

0-13-0

LOGIC INDEX

FOR

AN/FSQ-7 COMBAT DIRECTION CENTRAL

AND

AN/FSQ-8 COMBAT CONTROL CENTRAL

1 JULY 1958

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PREFACE

The information contained in this manual provides a handy reference for locating logic drawings and relating areas of the equipment to the logic. In addition, other aids such as instruction timing charts and location drawings are included to assist the field engineer in performing maintenance on the AN/FSQ-7 and AN/FSQ-8 computer.

The information contained herein was gathered from logic which applied to DC-20 on April 1, 1960. As such, the manual cannot reflect the actual engineering level of all systems; however, in known areas of significant differences between systems, an indication has been made to differentiate between the systems (i. e., BOMARC additions for some systems). It will be the responsibility of the individual user and/or location to indicate differences between the manual and the system being maintained.

This Student Study Guide provides student study material in support of Type II and Type III computer maintenance courses relating to WSL16L.

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Differences Between AN/FSQ-7 Combat Direction Central
and AN/FSQ-8 Combat Control Central

Changes made on a DC machine to make a CC machine

Drums: *Track* ^{*date*} TD drum - changed to TD-B
Raw ^{*date*} RD drum - changed to TD-A

LRI and GFI drum fields - The LRI and GFI drum fields on the LOG drum are not used. The pluggable units on the OD side are removed and the status circuits on the CD side have been disabled.

Outputs: The Ground-to-Air section of outputs is not used. The pluggable units for G/A in the output storage unit are removed. It was necessary to tie some lines from these pluggable units to +10V or -30V because some of these pluggable units fed AND and OR circuits in other sections which are still used. It was also necessary to wire the G/A section as an illegal section in the output control circuits.

Inputs: LRI and GFI are completely eliminated. The units are not installed. The XTL input element remains essentially unchanged. The only difference being the addition of an input switching relay for one channel. This was necessary because there will be only one phone line from the Direction Central to the Control Central at the combination site. Two phone lines are not necessary because the two buildings are adjacent to each other. This added relay connects the one phone line to the channel when the circuit switch is on either the circuit 1 or circuit 2 position.

Central Computer: With the exception of Expanded Memory, central computer equipment is unchanged except for a few lines which went to the equipment not provided in the AN/FSQ-8. Examples of this are the clock lines which went to the GFI and LRI input elements. These lines are now terminated on the edge connectors of the computer units.

The control circuitry for Expanded Memory has been or will be provided in the AN/FSQ-8 equipment, but the new memory unit will not be provided.

Displays: The area discriminators have been eliminated and there are fewer SD consoles and auxiliary consoles. Otherwise, the Display System remains unchanged.

Warning Lights: Interconnection Panel rearranged.

Power: No changes except in the distribution circuits for eliminated equipment. These distribution circuits are not used.

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PART 0

SECTION 1

**Alphabetic list of FF's and pulses by
PU location, Logic and zone number.**

NOTE

In some instances, two names are used to describe a flip-flop. The name on the maintenance consoles in most cases indicates the circuit function of the flip-flop's "I" side; whereas the name on the logic will be more descriptive of the flip-flop's purpose. Where two names do exist for a particular flip-flop, the alternate names or variations are noted in parentheses.

-A-

| | PU | LOGIC | ZONE |
|------------------------------------|--------|-------|--------|
| A-B (OT) FF | 4HU | 0.3.1 | 3 D |
| Accept (Word Acceptable) FF | 5DM | 0.7.7 | 10 D |
| Address Mode FF | 5DE | 0.7.7 | 2 D |
| Address Register | 8CD-CX | 0.4.1 | 8-12B |
| Addressable Drum Parity (Alarm) FF | 5BF | 0.7.4 | 8 B |
| Alarm Branch Control FF | 5EV | 0.7.5 | 11 C |
| Alarm Branch Sync FF | 4BD | 0.2.2 | 8B |
| Alarm FF's 1 & 2 | 5BH | 0.7.4 | 10 B |
| Alarm Indicator FF's | 6GX-GY | 0.7.5 | 11-12D |
| Alarm Stop FF | 4BF | 0.2.2 | 5 D |
| Aux Drum Sel (Adr Reg R1) FF | 5DX | 0.7.7 | 8 B |
| Aux Warning Lights FF | 5GE | 0.7.9 | 2 B |
| Auto Branch Control FF | 5EV | 0.7.5 | 8 E |

-B-

| | | | |
|-----------------------------|--------|-------|-------|
| Branch FF | 4HW | 0.3.1 | 2 D |
| Break FF | 4BH | 0.2.2 | 7 B |
| Break FF | 5EJ | 0.2.3 | 3 B |
| Break-In Pulses | 5EC | 0.2.3 | 1-3 D |
| Break-In Parity Check Pulse | 5BV | 0.1.1 | 9 C |
| Break-Out Pulses | 5ED-EE | 0.2.3 | 5-7 D |
| Break Request FF | 5EJ | 0.2.3 | 3 B |
| Break Request Sync FF | 5EM | 0.2.3 | 2 C |
| Burst Time Ctrs (Select) | 5FT | 0.7.7 | 13 B |

-C-

| | | | |
|----------------------------|--------|-------|--------|
| Card Mach Sel (Oper) FF | 5FH | 0.7.6 | 7 B |
| Card Mach Thy Bfr Cntrl FF | 3KD | 0.7.6 | 7 E |
| Card Word Transfer FF | 5FC | 0.7.6 | 9 D |
| Clear Pause Delay FF | 4DM | 0.5.3 | 6 D |
| Clear Pause Delay Sync FF | 4DM | 0.5.3 | 6 D |
| Clock Freq Div. FF's 1-4 | 3AC-AD | 0.2.6 | 2 C-D |
| Clock Osc. | 3AY | 0.2.6 | 3 D-E |
| Clock Reg. (Select) FF | 4DR | 0.2.6 | 2 B |
| Clock Register | 3AF-AX | 0.2.6 | 2 A-E |
| Clock Reg Gate FF | 3AE | 0.2.6 | 2 D |
| Clock Reg Sync FF | 3AE | 0.2.6 | 2 D |
| Clock Test FF | 5FR | 0.2.6 | 1 A |
| Compare CD-1 Pulse | 5DH | 0.7.7 | 4 B |
| Conditioning Delay FF | 5FC | 0.7.6 | 9 D |
| Condition Light FF's 1-3 | 5BC | 0.7.4 | 12-13B |
| Condition Lite FF 4 | 5BK | 0.7.4 | 9 D |
| Continue FF | 4BL | 0.2.2 | 4 D |
| Continue Clear Sync FF | 4BN | 0.2.2 | 7 D |
| Continue Set Sync FF | 4BN | 0.2.2 | 7 D |
| C.P.C. Control FF | 4BX | 0.2.5 | 3 C |
| CPC - IO FF | 4BX | 0.2.5 | 3 C |
| CSW Control FF | 4HS | 0.7.3 | 7 B |
| CSW Gate FF | 4HS | 0.7.3 | 8 B |
| Cyclic Prog Cntr | 4CW-CY | 0.2.5 | 1-5 B |

-D-

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|--------------------------------|-----|-------|-------|
| Delay FF | 5FH | 0.7.6 | 11 D |
| Deselect & Control Clear Pulse | 5EW | 0.7.5 | 4-6 A |

-D- (cont'd)

| | PU | LOGIC | ZONE |
|------------------------------|---------|-------|--------|
| Disconnect Aux. Drums Pulse | 5DN | 0.7.7 | 5 D |
| Disconnect Drum Control FF | 5DM | 0.7.7 | 4 D |
| Disc. IO Interlock Sync FF | 5EM | 0.7.3 | 2 D |
| Disconnect Main Drum Pulse | 5DN | 0.7.7 | 5 D |
| Divide Clear Pause Delay FF | 4DC | 0.5.3 | 6 C |
| Divide TPD | 4CC-4DC | 0.5.3 | 2-4 C |
| Drum Ctrl Reg | 6HF-6HX | 0.7.2 | 2-11 D |
| Drum Selected (Operation) FF | 5DR | 0.7.7 | 10 B |
| Duplex M.C. (Exc.) FF | 5BK | 0.7.4 | 10 D |

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|------------------------|-----|-------|------|
| Firing Hold (Delay) FF | 5FC | 0.7.6 | 10 D |
|------------------------|-----|-------|------|

-G-

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|--------------------------|-----|-------|-----|
| G/A TO Parity (Alarm) FF | 5BG | 0.7.4 | 2 D |
| G/G Parity (Alarm) FF | 5BK | 0.7.4 | 8 D |

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| | | | |
|-------------------------------|-----------|-------|---------|
| Identity (Mode) FF's | 5DD-5DE | 0.7.7 | 2-3 D |
| Illegal Address or Section FF | 5BN | 0.7.4 | 13D |
| Inactivity CTR | 5GN | 0.7.5 | 8 A |
| Inactivity FF | 5BD | 0.7.4 | 2 B |
| Inactivity TPD FF | 4BD | 0.2.2 | 8 B |
| Index Interval Bits FF's | 5AT-5AY | 0.6.1 | 10-13 B |
| Index Reg #1 & #2 | 6BF-6BX | 0.4.2 | 1-2 D-E |
| Index Reg #4 & #5 | 6AF-6AX | 0.4.2 | 1-2 A-B |
| Inhibit Gate Gen FF's Mem #2 | 10AD-12CD | 0.1.4 | 2D |
| Instruction Step FF | 4BP | 0.2.2 | 6 B |
| Instruction Step Sync FF | 4BP | 0.2.2 | 5 B |
| Intercomm FF's 1-3 | 5BL | 0.7.4 | 3-4B |
| Intercomm FF 4 | 5BK | 0.7.4 | 9D |
| Interleave (Mode) FF | 5DL | 0.7.7 | 5 B |
| Interleave FF's | 6HE | 0.7.2 | 1-2 B |
| Interword Delay FF | 5FC | 0.7.6 | 10 D |
| IO Address Counter | 6FD-FX | 0.4.1 | 1-4 E |
| IO Bfr Filling (Load) FF | 5DL | 0.7.7 | 12 D |
| IO Bfr Filling (Load Sync) FF | 5DL | 0.7.7 | 12 D |
| IO Bfr Full (Status) FF | 5DU | 0.7.7 | 10 D |
| IO Interlock FF | 4HV | 0.3.1 | 2 D |
| IO Interlock FF | 5EN | 0.7.3 | 3 D |
| IO Register (Select) FF | 5FJ | 0.7.5 | 5 C |
| IO Register Full (Status) FF | 5DU | 0.7.7 | 8 B |
| IO Word Cntr | 6FD-FX | 0.7.3 | 2-5 B |

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| | | | |
|---------------------------|---------|---------|---------|
| Left A Register | 2FF-2FX | 0.5.1 | 1-3 C |
| Left Accumulator | 2DF-2DX | 0.5.1-2 | 3-17 D |
| Left Acc. Sign Control FF | 2DE | 0.5.1-2 | 21 C |
| Left Adder | 2EF-2EX | 0.5.1-2 | 2-16 AB |
| Left Aux O'Flow FF | 2EC | 0.5.1-2 | 20 B |
| Left B Register | 2BF-2BX | 0.5.1-3 | 1-6 B |
| Left B Reg S Storage FF | 2BD | 0.5.1-3 | 6 B |
| Left Carry Storage FF | 2EE | 0.5.1-2 | 19 B |
| Left Divide Connect FF | 2ED | 0.5.1-2 | 20 B |
| Left IO Bfr | 6KE-6KK | 0.7.1 | 3-7 B |
| Left IO Bit Storage FF | 5EG | 0.6.2 | 8 B |
| Left IO Reg | 2KE-2KK | 0.7.1 | 3-7 C |
| Left Mem. Bfr | 2GE-2GX | 0.1.1 | 2-7 B |
| Left O'Flow Alarm FF | 5BE | 0.7.4 | 12B |
| Left Test Register | 2MF-2MX | 0.1.3 | 3-4 D |

-L- (cont'd)

| | PU | LOGIC | ZONE |
|-----------------------------|-----|-------|------|
| Load FF | 4BR | 0.2.2 | 4 B |
| Load From AM#1 Pulse | 5EY | 0.7.3 | 6 B |
| Load From Card Reader Pulse | 5EX | 0.7.3 | 6C |
| Lock adr ctr FF | 5DF | 0.4.1 | 1 D |

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| | | | |
|---|------------|---------|-----------|
| Manual Input Sw. (Select) FF | 5FT | 0.7.7 | 13 B |
| MC Transition FF | 4BF | 0.2.2 | 7 B |
| Memory Address Reg. #1 (X) (Sheet 1 of 2) | 65BU-BCC | 0-2.1.5 | 14-16 A-E |
| Memory Address Reg. #2 (X) | 10CP-CY | 0.1.5 | 10-16A |
| Memory Address Reg. #1 (Y) (Sheet 2 of 2) | 67DU-DCC | 0-2.1.5 | 7-10D |
| Memory #1 Array | - | 0-2.1.7 | - |
| Memory #1 Clear Cntrl Pulses | 65AH | 0-2.1.4 | 8 A |
| Memory #1 Clear Inh. Pulses | 65AL | 0-2.1.4 | 4B |
| Memory #1 Clear MAR Pulses (X) | 65AH | 0-2.1.4 | 9B |
| Memory #1 Clear MAR Pulses (Y) | 65AG | 0-2.1.4 | 9C |
| Memory #1 IA Deselect FF | 65AN | 0-2.1.5 | 14E |
| Memory #1 Inh. Gate Gen (L.W.) FF's | 65CF-CH | 0-2.1.4 | 4-5D |
| | 65DF-DH | | |
| Memory #1 Inh. Gate Gen. (R.W.) FF's | 67BF-BH | 0-2.1.4 | 1-2D |
| | 67CF-CH | | |
| Memory #1 Read Gate Gen. FF (X) | 65EG | 0-2.1.4 | 6D |
| Memory #1 Read Gate Gen. FF (Y) | 67 AG | 0-2.1.4 | 9 C |
| Memory #1 Sample Gate Gen. FF | 65AM | 0-2.1.4 | 8C |
| Memory #1 Sample Pulses | 65AJ | 0-2.1.4 | 8B |
| Memory #1 Set Inh. (Left & Right Wds.) Pulses | 65AK | 0-2.1.4 | 7B |
| Memory #1 Set Read Pulses | 65AJ | 0-2.1.4 | 10B |
| Memory #1 "X" BFN (Sheet 1 of 2) | 65AAA | 0-2.1.5 | 12A |
| Memory #1 "X" CCD Sel. Matrix | 66BB | 0-2.1.5 | |
| Memory #1 "X" CR (Sheet 1 of 2) | 65BG-BJ | 0-2.1.5 | 5-13A |
| Memory #1 "X" IA Sel. Matrix (Sheet 1 of 2) | 65BK-BP | 0-2.1.5 | 13-15 A-E |
| Memory #1 "Y" BFN (Sheet 2 of 2) | 65ACC | 0-2.1.5 | 12A |
| Memory #1 "Y" CCD Sel. Matrix | 66CB | 0-2.1.5 | |
| Memory #1 "Y" CR (Sheet 2 of 2) | 67DG-DJ | 0-2.1.5 | 5-13A |
| Memory #1 "Y" IA Sel. Matrix (Sheet 2 of 2) | 67DK-DT | 0-2.1.5 | 13-15 A-E |
| Memory #2 Array | - | 0.1.7 | - |
| Memory #2 Clear Inh. Pulses | 10BD | 0.1.4 | 2B |
| Memory #2 Clear Read Pulses | 10AC | 0.1.4 | 3B |
| Memory #2 Clear Write Pulses | 10BD | 0.1.4 | 2B |
| Memory #2 Clear Controls Pulses | 4DV | 0.1.4 | 5A |
| Memory #2 Cycle FF | 4BP | 0.2.2 | 6B |
| Memory #2 Diode Matrix Decoder | 11XA-XD | 0.1.5 | 3-14 C-D |
| Memory #2 Inh. Sample Pulses | 4DU | 0.1.4 | 5B |
| Memory #2 Pulse Distributor | 10AC-BC-BD | 0.1.4 | 2-4A |
| Memory #2 Set Read Pulse | 10AC | 0.1.4 | 4B |
| Memory #2 Sample Pulse | 10AC | 0.1.4 | 4B |
| Memory #2 Set Inh. Pulse | 10BC | 0.1.4 | 3B |
| Memory #2 Start Memory Pulse | 10AC | 0.1.4 | 4A |
| Memory #2 Set Write Pulse | 10BC | 0.1.4 | 3B |
| Memory #2 "X" Read Gate Level | 10CL | 0.1.4 | 4D |
| Memory #2 "X" Write Gate Level | 10CL | 0.1.4 | 4D |
| Memory #2 "Y" Read Gate Level | 12AL | 0.1.4 | 3D |
| Memory #2 "Y" Write Gate Level | 12AL | 0.1.4 | 3D |
| Memory Parity (Alarm) FF | 5BF | 0.7.4 | 9B |

-N-

| | | | |
|-------------------|-----|-------|------|
| Non Search FF | 5BM | 0.7.4 | 12D |
| North Azimuth FF | 5BM | 0.7.4 | 11D |
| Not Read Drums FF | 5DR | 0.7.7 | 10 B |

-O-

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|---------------------------|-----|-------|-----|
| OB Parity FF | 5BN | 0.7.4 | 13D |
| Operate GPI Azimuth Pulse | 5CY | 0.7.5 | 2 B |

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| | PU | LOGIC | ZONE |
|--------------------------|----------------|-------|-------|
| Operate GFI Target Pulse | 5CY | 0.7.5 | 2 B |
| Operation Register | 4 HY, JN, & JY | 0.3.1 | 4-12A |
| Oscillator | 4CV | 0.2.2 | 8 D |
| Output Alarm FF | 5BE | 0.7.4 | 11B |
| Output (OB) Parity FF | 5BN | 0.7.4 | 13B |

-P-

| | | | |
|---------------------------|--------|-------|-------|
| Parity Check FF | 2GD | 0.1.1 | 8 B |
| Parity Check Control FF | 5BU | 0.1.1 | 9 B |
| Parity Word Transfer FF | 4DR | 0.1.3 | 4 C |
| Parity Write (Control) FF | 2GD | 0.1.1 | 8 B |
| Pause FF | 4BH | 0.2.2 | 8 B |
| Printer Not Ready FF | 5BJ | 0.7.4 | 6 B |
| Printer (Selected) FF | 5FD | 0.7.6 | 10 A |
| Program Counter | 6GE-GX | 0.4.1 | 1-4 B |
| PT-OT (Operation Time) FF | 4HT | 0.3.1 | 3 D |
| Punch Not Ready FF | 5BJ | 0.7.4 | 6 B |
| Punch (Selected) FF | 5FD | 0.7.6 | 9 A |

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| | | | |
|--------------------------------------|---------|---------|---------|
| Range FF | 5BM | 0.7.4 | 11D |
| Read FF | 5EK | 0.7.3 | 6 E |
| Reader Not Ready FF | 5BJ | 0.7.4 | 7B |
| Reader (Selected) FF | 5FH | 0.7.6 | 8 B |
| Rds/Wrt Zero, (Tapes & Card Mach) FF | 5EM | 0.7.3 | 4 D |
| Right A Register | 3FF-3FX | 0.5.2 | 1-3 C |
| " Accumulator | 3DF-3DX | 0.5.2-2 | 3-17 D |
| " Acc. Sign Control FF | 3DE | 0.5.2-2 | 21 B |
| " Adder | 3EF-3EX | 0.5.2-2 | 3-17 AB |
| " Aux O'flow FF | 3EC | 0.5.2-2 | 20 B |
| " B Register | 3BF-3BX | 0.5.2-3 | 2-6 B |
| " B Reg "S" Storage FF | 3BD | 0.5.2-3 | 6 B |
| " Carry Storage FF | 3EE | 0.5.2-2 | 19 B |
| " Divide Connect FF | 3ED | 0.5.2-2 | 20 B |
| " IO Buffer | 6JF-6JX | 0.7.2 | 2-11 B |
| " IO Register | 3KF-3KX | 0.7.2 | 13-15 C |
| " Memory Buffer | 3GF-3GX | 0.1.2 | 2-6 B |
| " O'flow Alarm FF | 5 BE | 0.7.4 | 11 B |
| " Test Register | 3MF-3MX | 0.1.3 | 1-2 C |

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|----------------------------------|-----------|-------|------|
| Sample Gate Gen. F.F. Mem. #2 | 12CF | 0.1.4 | 2 D |
| SD Camera F.F. | 5BF | 0.7.4 | 7B |
| Second Break Req. FF | 5FH | 0.7.6 | 6 C |
| Second Break (Out) Req. F.F. | 5DW | 0.7.7 | 11 B |
| Sense Sync FF | 5BU | 0.7.4 | 4C |
| Sense Word Counter F.F. | 5EN | 0.7.3 | 5 D |
| Simplex M.C. (Exc) F.F. | 5BM | 0.7.4 | 11D |
| Single Pulse F.F. | 4BR | 0.2.2 | 4 B |
| Start CPC F.F. | 4BN | 0.2.5 | 4 C |
| " GFI Program Pattern Gen. Pulse | 5CY | 0.7.5 | 2 B |
| " LRI & X-TELL Comp. Pat. Gen. | | | |
| Pulse | 5CY | 0.7.5 | 2 B |
| " Memory Pulses | 6DD & 4DS | 0.4.1 | 6-5E |
| Status Drum Parity (Alarm) | 5BE | 0.7.4 | 11B |
| Step Counter | 4DE-4DK | 0.5.3 | 3-7B |

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| | | | |
|----------------------|------|-------|----|
| Tape Backspace Pulse | 13AN | 0.8.2 | 9A |
| " Backward FF | 13AP | 0.8.2 | 7B |

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| | PU | LOGIC | ZONE |
|-----------------------------------|--------------------|--------|-----------|
| Tape Character Register | 13CS-CY | 0.8.4 | 12 A-E |
| " Clock | 13AD-AF | 0.8.3 | 7 A-E |
| " Clock Reset Pulse | 13AF | 0.8.3 | 3 E |
| " Delay Backspace FF | 13AR | 0.8.2 | 5 A |
| " Delay Clock Reset Pulse | 13AS | 0.8.3 | 3 D |
| " Delay Read-Write FF | 13BX | 0.8.2 | 5 B |
| " Delay Read-Write Pulse | 13BC | 0.8.2 | 5 C |
| " Disconnect Pulse | 13BH | 0.8.2 | 2 C |
| " Drive Select FF's | 13AL-AM | 0.8.1 | 4-6 B |
| " End Character Gate Pulse | 13AG | 0.8.3 | 5 C |
| " EOF FF | 13DL | 0.8.4 | 10 C |
| " EOR Pulse | 13AR | 0.8.2 | 3 A |
| " Error FF | 13BT | 0.8.5 | 6 C |
| " Freq Divider FF | 13AD | 0.8.3 | 8 C |
| " Go FF | 13BK | 0.8.2 | 8 B |
| " Missing Pulse Detector | 13BM | 0.8.2 | 4 B |
| " Osc & Osc Gate FF | 13AC | 0.8.3 | 8 B |
| " Parity (Alarm) FF | 5 BF | 0.7.4 | 8B |
| " PT-11 Sense Pulse | 13CH | 0.8.1 | 7 B |
| " Rds-Wrt Go Pulse | 13BE | 0.8.2 | 9 C |
| " Read EOF Pulse | 13BX | 0.8.4 | 11 C |
| " Readout Word Reg Pulse | 13DM | 0.8.3 | 3 D |
| " Request Break Pulse | 13CH | 0.8.3 | 3 C |
| " Reset Char Reg Pulse | 13AH | 0.8.3 | 3 E |
| " Reset Word Reg Pulse | 13DM | 0.8.3 | 3 D |
| " Rewind Pulse | 13BJ | 0.8.2 | 2 D |
| " Sample Error Read Pulse | 13AD | 0.8.3 | 5 E |
| " Sample Error Write Pulse | 13AG | 0.8.3 | 5 D |
| " Second Word Counter Zero FF | 13BH | 0.8.2 | 10 A |
| " Select Read Delay FF | 13BC | 0.8.2 | 6 C |
| " Selection (Operate) FF | 5FR | 0.7.8 | 4 D |
| " Step Word Ring Pulse | 13AH | 0.8.3 | 3 E |
| " Sync Bit FF | 13CV | 0.8.2 | 5D |
| " Test Switches | - | 0.8.5 | - |
| " Unit Prepared Pulse | 13BH | 0.8.1 | 7 C |
| " Unit Ready Pulse | 13BH | 0.8.1 | 7 C |
| " Word Ctr Zero FF | 13BM | 0.8.2 | 10A |
| " Word Register | 13DC-DX | 0.8.4 | 3-12, A-E |
| " Word Ring Ctr | 13CJ-CP | 0.8.4 | 3-10 A |
| " Write Bus Levels | 13CJ-CP | 0.8.4 | 2 A-E |
| " Write EOF Pulse | 13DL | 0.8.4 | 10 C |
| " Write Pulse | 13AJ | 0.8.3 | 3 B |
| Tapes Not Prepared FF | 5BL | 0.7.4 | 4 B |
| Tapes Not Ready FF | 5BJ | 0.7.4 | 5B |
| Test Mem Adr Reg | 2NC, ND 2PC, PD | 0.1.3 | 17-19 A |
| Test Mem FF | 4DS | 0.1.3 | 2 A |
| Test Mem Matrix | | 0.1.3 | |
| Test Memory - Parity Check FF | 4DS | 0.4.1 | 7 D |
| Test Mem Plugboard | | 7.1.17 | 50-53 A-C |
| Test Mem Switches | | 7.1.17 | 51-53 E |
| TPD | 4CE-CS | 0.2.3 | 4-11 A |
| TPD Clear (Control Clear Sync) FF | 4BK | 0.2.2 | 5 D |
| TPD Control FF | 4BL | 0.2.2 | 3 D |
| TPD Control Set (Sync) FF | 4BK | 0.2.2 | 6 D |
| Track Display FF | 5BH | 0.7.4 | 9 B |
| TTY Parity FF (Alarm) | 5BH | 0.7.4 | 9 B |
| Two MC Operation FF | 4BK | 0.2.2 | 6 D |
| Two MC (Set) Sync FF | 4DM | 0.5.3 | 7 D |

-W-

| | | | |
|----------------------------------|--------|-------|-------|
| Warning Light (Select) FF | 5GC | 0.7.9 | 3 A |
| Warning Light Reg Counter | 5GE-GF | 0.7.9 | 4-5 B |
| Word Ctr Equals Zero (Status) FF | 5EP | 0.7.3 | 7 D |
| Word Demand FF | 5DF | 0.7.7 | 6 B |
| Word Demand Sync FF | 5DF | 0.7.7 | 6 B |

-W- (cont'd)

| | PU | LOGIC | ZONE |
|---------------------------------|-----|-------|------|
| Write FF | 5EK | 0.7.3 | 7 E |
| Write Drums FF | 5DV | 0.7.7 | 12 B |
| Write Reg Full (Status) FF | 5DV | 0.7.7 | 12 B |
| Write Reg Full (Status Sync) FF | 5DW | 0.7.7 | 11 B |

PART 0

SECTION 2

**PU Layout indicating type numbers,
logic numbers and important registers
and circuits.**

LEFT ARITHMETIC ELEMENT
UNIT 2
P.U. LAYOUT

| | B | C | D | E | F | G | H | J | K | L | M | N | P |
|---|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| C | 7035 | 7035 | 7035 | 7032 | 7035 | 7035 | SPARE | 7040 | 7040 | SPARE | 7050 | 7009 | 7009 |
| D | 7032 | SPARE | 7035 | 7032 | SPARE | 7608 | SPARE | SPARE | SPARE | SPARE | SPARE | 7009 | 7009 |
| E | 7034 | 7034 | 7032 | 7032 | 7034 | 7610 | ↑ | SPARE | 7051 | SPARE | SPARE | 7060 | 7025 |
| F | 7033 | 7036 | 7033 | 7615 | 7033 | ↑ | ↑ | 7614 | ↑ | 7052 | 7042 | 7059 | 7061 |
| G | ↑ | 7034 | ↑ | ↑ | 7055 | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| H | ↑ | ↑ | | | ↑ | | | | | | | | |
| J | | | | | | | | | | | | | |
| K | | | | | | | | | | | | | |
| L | | | | | | | | | | | | | |
| M | | | | | | | | | | | | | |
| N | | | | | | | | | | | | | |
| P | 7601 | | | | | 7610 | 7603 | | | | | | |
| R | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| T | | | | | | | | | | | | | |
| U | | | | | | | | | | | | | |
| V | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| X | ↓ | 7034 | 7033 | 7615 | 7055 | 7610 | ↓ | 7614 | 7051 | 7052 | 7042 | 7059 | 7061 |
| Y | 7035 | SPARE | 7619 | 7006 | SPARE | SPARE | SPARE | 7079 | SPARE | SPARE | SPARE | 7060 | 7060 |

0-2.2

**LEFT ARITHMETIC ELEMENT
UNIT 2
LOGIC LAYOUT**

| | B | C | D | E | F | G | H | J | K | L | M | N | P |
|---|---------|---------|------------------|---------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| C | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | SPARE | 0.1.1 | 0.7.1 0.2.4 | SPARE | 0.1.3 | 0.1.3 | 0.1.3 |
| D | 0.5.1-3 | SPARE | 0.5.1-2 0.2.4 | 0.5.1-2 | SPARE | 0.1.1 | SPARE | SPARE | SPARE | SPARE | SPARE | 0.1.3 | 0.1.3 |
| E | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| F | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| G | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| H | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| J | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| K | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| L | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| M | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| N | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| P | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| R | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| S | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| T | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| U | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| V | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| W | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| X | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |
| Y | 0.5.1-3 | 0.5.1-2 | 0.5.1-2 | 0.5.1-2 | 0.5.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.1 | 0.1.3 | 0.1.3 | 0.1.3 |

RIGHT ARITHMETIC ELEMENT
UNIT 3
P.U. LAYOUT

| | A | B | C | D | E | F | G | H | J | K | L | M |
|---|------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|
| C | 7050 | 7035 | 7035 | 7035 | 7032 | 7035 | 7035 | SPARE | 7040 | 7040 | SPARE | 7050 |
| D | 7049 | 7032 | SPARE | 7035 | 7032 | 7055 | SPARE | SPARE | SPARE | 7053 | SPARE | 7041 |
| E | 7606 | 7034 | 7034 | 7032 | 7032 | 7034 | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE |
| F | 7047 | 7033 | 7036 | 7033 | 7615 | 7033 | 7610 | ↑ | 7614 | 7051 | 7052 | 7042 |
| G | ↑ | ↑ | 7034 | ↑ | ↑ | 7055 | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| H | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| J | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| K | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| L | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| M | ↑ | 7607 | ↑ | ↑ | 7615 | ↑ | 7610 | 7607 | ↑ | ↑ | ↑ | ↑ |
| N | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| P | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| R | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| S | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| T | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| U | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| V | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| W | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| X | 7047 | ↓ | 7034 | 7033 | 7615 | 7055 | 7610 | ↓ | 7614 | 7051 | 7052 | 7042 |
| Y | 7054 | 7035 | SPARE | 7619 | 7006 | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE |

RIGHT ARITHMETIC ELEMENT
UNIT 3
LOGIC LAYOUT

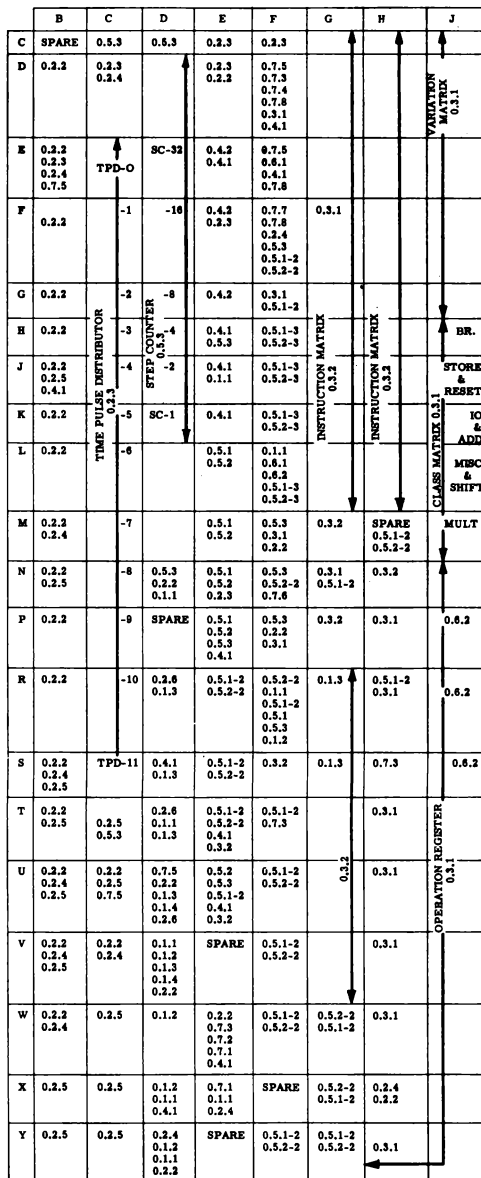
| | A | B | C | D | E | F | G | H | J | K | L | M |
|---|-------|------------------|---------|------------------|---------|-------|-------|-------|----------------|-------------------------|---------------|-------|
| C | 0.2.6 | 0.5.2-3 | 0.5.2-2 | 0.5.2-2 | 0.5.2-2 | 0.5.2 | 0.1.2 | SPARE | 0.1.2 0.2.4 | 0.7.2 0.7.6 0.2.4 | SPARE | 0.1.3 |
| D | 0.2.6 | 0.5.2-3 | SPARE | 0.5.2-2 | 0.5.2-2 | 0.5.2 | SPARE | SPARE | SPARE | 0.7.6 | SPARE | 0.1.3 |
| E | 0.2.6 | 0.5.2-3 | 0.5.2-2 | 0.5.2-2 | 0.5.2-2 | 0.5.2 | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE |
| F | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S |
| G | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.1.2 - 0.7.6 | 1 |
| H | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| J | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| K | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| L | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| M | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| N | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| P | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| R | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| T | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| U | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| V | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| W | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| X | ↓ 15 | ↓ 15 | ↓ 15 | ↓ 15 | ↓ 15 | ↓ 15 | ↓ 15 | ↓ 15 | ↓ 15 | ↓ 15 | ↓ 15 | ↓ 15 |
| Y | 0.2.6 | 0.5.2-3 0.2.6 | SPARE | 0.5.2-2 0.6.2 | 0.5.2-2 | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE |

0-2.5

**INSTRUCTION CONTROL ELEMENT
UNIT 4
P.U. LAYOUT**

| | B | C | D | E | F | G | H | J |
|---|-------|------|-------|-------|-------|------|------|------|
| C | SPARE | 7604 | 7604 | 7006 | 7006 | 7011 | 7011 | 7016 |
| D | 7608 | 7015 | 7006 | 7006 | 7000 | 7012 | 7012 | ↑ |
| E | 7079 | 7617 | 7009 | 7000 | 7006 | 7011 | 7011 | ↓ |
| F | 7019 | 7023 | 7009 | 7079 | 7000 | 7011 | 7011 | ↓ |
| G | 7017 | 7023 | 7610 | 7000 | 7618 | 7011 | 7613 | ↓ |
| H | 7077 | ↑ | 7610 | 7000 | 7000 | 7012 | 7011 | ↓ |
| J | 7070 | ↓ | 7009 | 7079 | 7079 | 7011 | 7012 | ↓ |
| K | 7604 | ↓ | 7610 | 7000 | 7079 | 7089 | 7011 | ↓ |
| L | 7019 | 7023 | 7618 | 7000 | 7000 | 7017 | 7613 | ↓ |
| M | 7005 | 7617 | 7604 | 7079 | 7000 | 7011 | 7616 | 7016 |
| N | 7604 | 7023 | 7000 | 7079 | 7006 | 7009 | 7011 | 7009 |
| P | 7604 | ↑ | SPARE | 7000 | 7000 | 7613 | 7016 | ↑ |
| R | 7019 | ↓ | 7019 | 7000 | 7000 | 7011 | 7016 | ↓ |
| S | 7000 | 7023 | 7019 | 7079 | 7011 | 7011 | 7608 | ↓ |
| T | 7000 | 7000 | 7000 | 7079 | 7000 | 7011 | 7610 | 7610 |
| U | 7006 | 7000 | 7079 | 7000 | 7079 | 7613 | ↓ | ↓ |
| V | 7003 | 7001 | 7079 | SPARE | 7079 | 7011 | ↓ | ↓ |
| W | 7003 | 7604 | 7074 | 7070 | 7000 | 7000 | 7610 | ↓ |
| X | 7608 | 7604 | 7000 | 7079 | SPARE | 7079 | 7035 | ↓ |
| Y | 7000 | 7604 | 7079 | SPARE | 7000 | 7079 | 7009 | ↓ |

INSTRUCTION CONTROL ELEMENT
Unit 4
LOGIC LAYOUT



**SELECTION CONTROL ELEMENT
UNIT 5
P.U. LAYOUT**

| | A | B | C | D | E | F | G |
|---|------|-------|------|------|------|------|-------|
| C | 7064 | 7058 | 7620 | 7620 | 7000 | 7609 | 7066 |
| D | ↑ | ↑ | 7068 | 7609 | 7000 | 7609 | 7000 |
| E | | | 7000 | 7609 | 7000 | 7069 | 7019 |
| F | | | 7000 | 7604 | 7079 | 7070 | 7019 |
| G | | | 7000 | 7074 | 7610 | 7079 | 7022 |
| H | | | 7620 | 7079 | 7016 | 7066 | 7000 |
| J | | | 7031 | 7079 | 7019 | 7607 | 7006 |
| K | | | 7000 | 7074 | 7019 | 7022 | 7074 |
| L | | | 7000 | 7604 | 7006 | 7000 | 7079 |
| M | ↓ | ↓ | 7069 | 7019 | 7004 | 7079 | 7070 |
| N | 7064 | 7058 | 7000 | 7000 | 7019 | 7000 | 7608 |
| P | 7073 | 7065 | 7000 | 7000 | 7009 | 7069 | SPARE |
| R | 7000 | SPARE | 7069 | 7019 | 7070 | 7019 | ↑ |
| S | 7000 | 7072 | 7000 | 7075 | 7068 | 7073 | |
| T | 7009 | SPARE | 7069 | 7075 | 7079 | 7066 | |
| U | | 7019 | 7069 | 7019 | 7079 | 7075 | ↓ |
| V | | 7000 | 7000 | 7019 | 7607 | 7070 | SPARE |
| W | | 7070 | 7069 | 7604 | 7006 | 7079 | 7063 |
| X | ↓ | 7079 | 7000 | 7009 | 7079 | 7006 | 7062 |
| Y | 7009 | 7006 | 7079 | 7000 | 7073 | 7006 | 7062 |

SELECTION CONTROL ELEMENT
UNIT 5
LOGIC LAYOUT

| | A | B | C | D | E | F | G |
|---|----------------|----------------------------------|---|-------------------------|---|---|-------------------------|
| C | 1-3 | 0.7.4 | 0.6.2 | 0.6.2 | 0.2.3 | 0.7.6 | 0.7.9 |
| D | 4-11 | 0.7.4 | 0.7.4 0.7.6 0.7.7 | 0.7.7 0.7.4 | 0.2.3 | 0.7.6 | 0.7.9 |
| E | 12-17 | 0.7.4 | 0.6.2 0.7.4 0.7.6 0.7.7 | 0.7.7 | 0.1.1 0.2.3 0.6.2 | 0.7.6 | 0.7.9 |
| F | 20-25 | 0.7.4 | 0.7.4 0.7.5 0.7.7 0.7.8 0.7.9 | 0.4.1 0.7.7 | 0.2.3 | 0.7.6 0.7.5 0.7.3 | 0.7.9 |
| G | 26-33 | 0.7.4 | 0.7.5 0.7.7 0.7.8 | 0.7.3 0.7.7 | 0.6.2 | 0.6.2 0.7.6 0.7.5 | 0.7.9 |
| H | 34-41 | 0.7.4 | 0.6.2 | 0.7.7 | 0.2.3 | 0.7.6 | 0.7.9 |
| J | 42-47 | 0.7.4 | 0.7.5 0.7.8 | 0.7.1 0.7.2 0.7.7 | 0.2.3 | 0.7.5 0.7.1 0.7.3 0.6.2 | 0.7.9 |
| K | 50-55 | 0.7.4 | 0.7.4 0.7.5 | 0.7.3 0.7.7 | 0.7.3 | 0.7.3 0.7.8 | 0.7.9 0.2.6 |
| L | 56-63 | 0.7.4 | 0.7.5 | 0.7.7 | 0.2.2 0.7.3 0.7.4 | 0.2.6 0.2.3 0.7.1 0.7.5 0.7.8 | 0.7.9 0.7.5 0.2.6 |
| M | 64-71 | 0.7.4 | 0.7.5 | 0.7.7 | 0.2.3 0.7.3 | 0.7.8 0.7.3 0.7.1 0.2.6 | 0.7.5 |
| N | 72-77 | 0.7.4 | 0.7.5 | 0.4.1 0.7.5 0.7.7 | 0.7.3 | 0.2.3 0.7.3 0.7.7 0.7.5 | 0.7.5 |
| P | 0.7.4 | 0.1.1 0.7.4 | 0.7.5 | 0.7.7 | 0.7.3 | 0.7.6 | SPARE |
| R | 0.7.5 0.7.7 | SPARE | 0.7.6 | 0.7.7 | 0.2.3 0.7.3 | 0.7.6 0.2.6 | SPARE |
| S | 0.4.1 0.7.2 | 0.7.4 | 0.7.5 0.7.6 | 0.7.7 | 0.7.3 | 0.7.4 0.7.6 | SPARE |
| T | BIT 10 | SPARE | 0.7.6 | 0.7.7 | 0.2.3 0.4.1 0.7.2 | 0.7.7 | SPARE |
| U | 11 | 0.1.1 0.7.4 | 0.7.6 | 0.7.7 | 0.1.1 0.7.1 0.7.3 0.1.2 0.7.5 | 0.7.7 0.7.8 | SPARE |
| V | 12 | 0.1.1 0.7.4 0.7.5 | 0.7.5 0.7.6 | 0.7.7 | 0.7.5 | 0.7.7 0.7.8 | SPARE |
| W | 13 | 0.7.1 0.7.2 0.7.4 0.7.5 | 0.7.6 | 0.7.7 | 0.7.5 | 0.7.7 0.7.1 0.7.2 | 0.7.5 |
| X | 14 | 0.4.1 0.7.4 0.7.5 0.7.6 | 0.4.1 0.7.7 0.7.6 0.7.8 | 0.7.7 | 0.7.3 | 0.2.4 0.7.3 | 0.7.5 |
| Y | BIT 15 | 0.7.4 0.7.7 0.2.4 | 0.6.2 0.7.5 0.7.7 | 0.7.7 0.2.6 | 0.7.3 0.7.5 | 0.2.4 | 0.7.5 |

**PROGRAM ELEMENT
UNIT 6
P.U. LAYOUT**

| | A | B | C | D | E | F | G | H | J | K |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C | 7608 | 7608 | SPARE | 7602 | SPARE | SPARE | 7000 | 7079 | SPARE | SPARE |
| D | 7025 | 7025 | 7008 | 7079 | 7014 | 7608 | 7607 | 7025 | SPARE | 7025 |
| E | SPARE | | 7025 | 7025 | 7029 | 7025 | 7025 | 7604 | 7031 | 7020 |
| F | | | 7008 | 7602 | 7014 | ↑ | | 7030* | 7018 | ↑ |
| G | ↑ | ↑ | ↑ | ↑ | ↑ | | ↑ | ↑ * | ↑ | ↑ |
| H | | | | | | | | * | | |
| J | | | | | | | | * | | |
| K | | | | | | | | * | | |
| L | | | | | | | | | | |
| M | 7608 | 7608 | | | | | | | | |
| N | | | | 7602 | | 7608 | 7607 | | | |
| P | | | | | | | | | | |
| R | | | | | | | | | | |
| S | | | | | | | | | | |
| T | | | | | | | | | | |
| U | | | | | | | | | | |
| V | | | | | | | | | | |
| W | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| X | | | 7008 | | 7014 | | | 7030 | 7018 | 7020 |
| Y | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE |

*P.U's NOT SUPPLIED FOR DC-16 & HIGHER

**PROGRAM ELEMENT
UNIT 6
LOGIC LAYOUT**

| | A | B | C | D | E | F | G | H | J | K |
|-------|-------|-------|-------|-------|-------|----------------|----------------|----------------|-------|-------|
| C | 0.4.2 | 0.4.2 | SPARE | 0.4.1 | SPARE | SPARE | 0.4.1 0.7.2 | 0.7.2 0.4.1 | SPARE | SPARE |
| D | 0.4.2 | 0.4.2 | 0.4.1 | 0.4.1 | 0.4.1 | 0.4.1 0.7.3 | 0.4.1 | 0.7.2 | SPARE | 0.7.1 |
| E | | | 0.4.1 | 0.4.1 | 0.4.1 | 0.7.3 0.4.1 | 0.4.1 0.7.3 | 0.7.2 | 0.7.2 | ↑ P |
| F | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S | ↑ S |
| G | 0.4.2 | 0.4.2 | 0.4.1 | 0.4.1 | 0.4.1 | 0.4.1 0.7.3 | 0.4.1 | 0.7.2 | 0.7.2 | 0.7.1 |
| H | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| J | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| K | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| L | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| M | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| N | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| P | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| R | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| S | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| T | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| U | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| V | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| W | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| X | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Y | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE |

**MEMORY ELEMENT
UNITS 10 & 12
P.U. LAYOUT**

UNIT 10

| | A | B | C |
|---|------|-------|-------|
| C | 7091 | 7092 | 7086 |
| D | 7088 | 7093 | |
| E | 7087 | SPARE | 7086 |
| F | 7084 | 7083 | |
| G | ↑ | ↑ | 7086 |
| H | | | |
| J | | | 7086 |
| K | | | |
| L | | | 7090 |
| M | | | SPARE |
| N | | | SPARE |
| P | | | 7082 |
| R | | | 7080 |
| S | | | 7082 |
| T | | | 7082 |
| U | | | 7080 |
| V | | | 7082 |
| W | | | 7082 |
| X | ↓ | ↓ | 7080 |
| Y | 7084 | 7083 | 7082 |

UNIT 12

| A | B | C |
|-------|-------|-------|
| 7086 | SPARE | SPARE |
| | ↑ | 7088 |
| 7086 | ↓ | SPARE |
| | SPARE | 7081 |
| 7086 | 7083 | 7084 |
| | ↑ | ↑ |
| 7086 | | |
| | | |
| 7090 | | |
| SPARE | | |
| SPARE | | |
| 7082 | | |
| 7080 | | |
| 7082 | | |
| 7082 | | |
| 7080 | | |
| 7082 | | |
| 7082 | | |
| 7080 | ↓ | ↓ |
| 7082 | 7083 | 7084 |

**MEMORY ELEMENT
UNITS 10 & 12
LOGIC LAYOUT**

UNIT 10

| | A | B | C |
|---|---------------------|---------------------|-----------------------------|
| C | MEM. CLOCK 0.1.4 | MEM. CLOCK 0.1.4 | RD ODD MGG |
| D | INH. GG 0.1.4 | MEM. CLOCK 0.1.4 | 0.1.5 |
| E | 0.1.4 | SPARE | WRT ODD MGG 0.1.5 |
| F | ↑ L-15 | ↑ | |
| G | L-14 | | RD EVEN MGG 0.1.5 |
| H | L-13 | | |
| J | 0.1.6 L-12 | | WRT EVEN MGG 0.1.5 |
| K | L-11 | | |
| L | SENSE AMPLIFIERS | L-10 | RWGG 0.1.4 |
| M | | L-9 | SPARE |
| N | | L-8 | SPARE |
| P | | L-7 | ↑ |
| R | | L-6 | |
| S | | L-5 | |
| T | | L-4 | |
| U | | L-3 | |
| V | | L-2 | |
| W | | L-1 | |
| X | | L-S | "X" MAR 0.1.4 |
| Y | ↓ P | ↓ | ↓ |

UNIT 12

| A | B | C |
|--------------------------|-------|------------------|
| RD ODD | SPARE | SPARE |
| MGG 0.1.5 | SPARE | INH. GG 0.1.4 |
| WRT ODD MGG 0.1.5 | SPARE | SPARE |
| | SPARE | 0.1.4 |
| RD EVEN MGG 0.1.5 | ↑ | ↑ R-15 |
| | | R-14 |
| WRT EVEN MGG 0.1.5 | | R-13 |
| | | R-12 |
| RWGG 0.1.4 | | R-11 |
| SPARE | | R-10 |
| SPARE | | R-9 |
| ↑ | 0.1.6 | 0.1.6 R-8 |
| | | R-7 |
| | | R-6 |
| | | R-5 |
| | | R-4 |
| | | R-3 |
| | | R-2 |
| "Y" MAR 0.1.5 | | R-1 |
| ↓ | ↓ | ↓ R-S |

TAPE ADAPTER

Unit 13

PU LAYOUT

| | A | B | C | D |
|---|-------|-------|-------|-------|
| C | 7212 | 7216 | SPARE | 7203 |
| D | 7679 | 7214 | ↑ | ↑ |
| E | 7230 | 7219 | ↓ | ↓ |
| F | 7230 | 7213 | ↓ | ↓ |
| G | 7630 | 7217 | SPARE | ↓ |
| H | 7667 | 7220 | 7208 | ↓ |
| J | 7225 | 7221 | 7206 | ↓ |
| K | 7233 | 7222 | ↑ | 7 203 |
| L | 7233 | 7215 | ↓ | 7204 |
| M | 7233 | 7209 | ↓ | 7205 |
| N | 7227 | SPARE | ↓ | 7203 |
| P | 7228 | SPARE | 7206 | ↑ |
| R | 7226 | 7210 | SPARE | ↓ |
| S | 7208 | 7224 | ↓ | ↓ |
| T | SPARE | 7223 | ↑ | ↓ |
| U | ↓ | SPARE | 7663 | ↓ |
| V | ↓ | SPARE | 7663 | ↓ |
| W | ↓ | SPARE | ↓ | ↓ |
| X | ↓ | 7218 | ↓ | 7203 |
| Y | SPARE | SPARE | ↓ | SPARE |

TAPE ADAPTER ELEMENT
UNIT 13
LOGIC LAYOUT

| | A | B | C | D |
|---|----------------|----------------|---------------------------------------|----------------|
| C | 0.8.3 | 0.8.2 | SPARE | ↑ 1,2 |
| D | 0.8.3 | 0.8.2 | SPARE | 3,4 |
| E | 0.8.3 | 0.8.2 | SPARE | 5,6 |
| F | 0.8.3 | 0.8.2 | SPARE | 7,8 |
| G | 0.8.3 | 0.8.2 | SPARE | 9,10 |
| H | 0.8.3 | 0.8.1 0.8.2 | 0.8.1 0.8.3 | 11,12 |
| J | 0.8.3 0.8.2 | 0.8.2 | 0.8.4 | 13,14 |
| K | 0.8.1 | 0.8.2 0.8.1 | 0.8.4 | ↓ 15,16 |
| L | 0.8.1 | 0.8.2 | 0.8.4 | 0.8.4 0.8.3 |
| M | 0.8.1 | 0.8.2 | 0.8.4 | 0.8.3 |
| N | 0.8.2 0.8.1 | SPARE | 0.8.4 | ↑ 17,18 |
| P | 0.8.2 | SPARE | 0.8.4 | 19,20 |
| R | 0.8.2 | 0.8.2 | SPARE | 21,22 |
| S | 0.8.3 0.8.1 | 0.8.5 | CHARACTER REGISTER ↑ 0.8.4 ↓ | 1 23,24 |
| T | SPARE | 0.8.5 | | 2 25,26 |
| U | SPARE | SPARE | | 3 27,28 |
| V | SPARE | SPARE | 0.8.2 | 4 29,30 |
| W | SPARE | SPARE | CHARACTER REGISTER ↑ 0.8.4 ↓ | 5 31,32 |
| X | SPARE | 0.8.2 0.8.4 | | 6 33 |
| Y | SPARE | SPARE | | 7 SPARE |

**MEMORY NO. 1 ELEMENT
UNIT 65
PU LAYOUT**

| | A | B | C | D | E |
|----|-------|-------|-------|-------|-------|
| C | 7575 | 7575 | 7575 | 7575 | 7574 |
| D | SPARE | ↑ | 7575 | 7575 | ↑ |
| E | SPARE | ↓ | 7575 | 7575 | ↓ |
| F | SPARE | 7575 | 7588 | 7588 | 7574 |
| G | 7587 | 7595 | SPARE | SPARE | 7590 |
| H | 7587 | SPARE | 7588 | 7588 | SPARE |
| J | 7591 | 7595 | 7583 | 7583 | 7584 |
| K | 7592 | | ↑ | ↑ | ↑ |
| L | 7593 | ↑ | | | |
| M | 7581 | | | | |
| N | 7082 | 7576 | | | |
| P | SPARE | | | | |
| R | ↑ | | | | |
| S | | ↓ | | | |
| T | | | | | |
| U | | 7610 | | | |
| V | | ↑ | | | |
| W | | | | | |
| X | | | | | |
| Y | | | | | |
| AA | | | | | |
| BB | ↓ | ↓ | ↓ | ↓ | ↓ |
| CC | SPARE | 7610 | 7583 | 7583 | 7584 |

**MEMORY NO. 1 ELEMENT
UNIT 65
LOGIC LAYOUT**

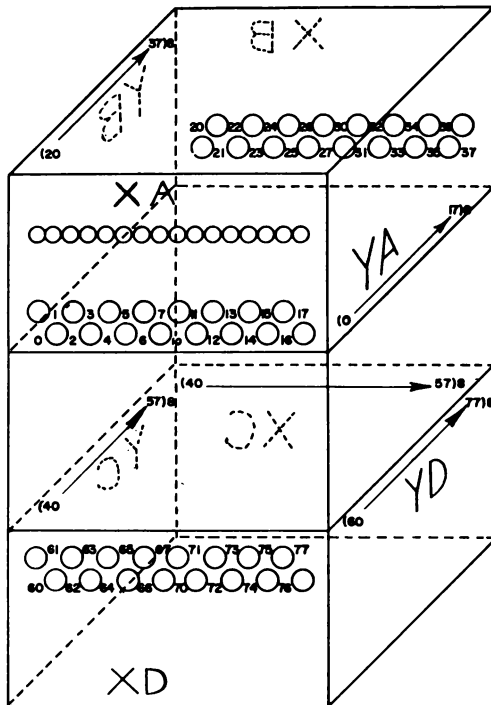
| | A | B | C | D | E |
|----|---------|---------|---------|---------|---------|
| C | 0-2.15 | ↑ | 0-2.1.5 | 0-2.1.5 | 0-2.1.5 |
| D | SPARE | | 0-2.1.5 | 0-2.1.5 | 0-2.1.5 |
| E | ↑ | | 0-2.1.5 | 0-2.1.5 | 0-2.1.5 |
| F | | | 0-2.1.5 | 0-2.1.4 | 0-2.1.5 |
| G | ↓ | | SPARE | SPARE | 0-2.1.4 |
| H | SPARE | 0-2.1.3 | 0-2.1.4 | 0-2.1.4 | SPARE |
| J | 0-2.1.4 | | ↑ | ↑ | ↑ |
| K | 0-2.1.4 | | | | |
| L | 0-2.1.4 | | | | |
| M | 0-2.1.4 | | | | |
| N | 0-2.1.5 | | | | |
| P | SPARE | | | | |
| R | ↑ | | | | |
| S | | | | | |
| T | | 0-2.1.5 | 0-2.1.6 | 0-2.1.6 | 0-2.1.6 |
| U | | | | | |
| V | | | | | |
| W | | | | | |
| X | | | | | |
| Y | | | | | |
| AA | | | | | |
| BB | ↓ | | | | |
| CC | SPARE | ↓ | ↓ | ↓ | ↓ |

**MEMORY NO. 1 ELEMENT
UNIT 67
PU LAYOUT**

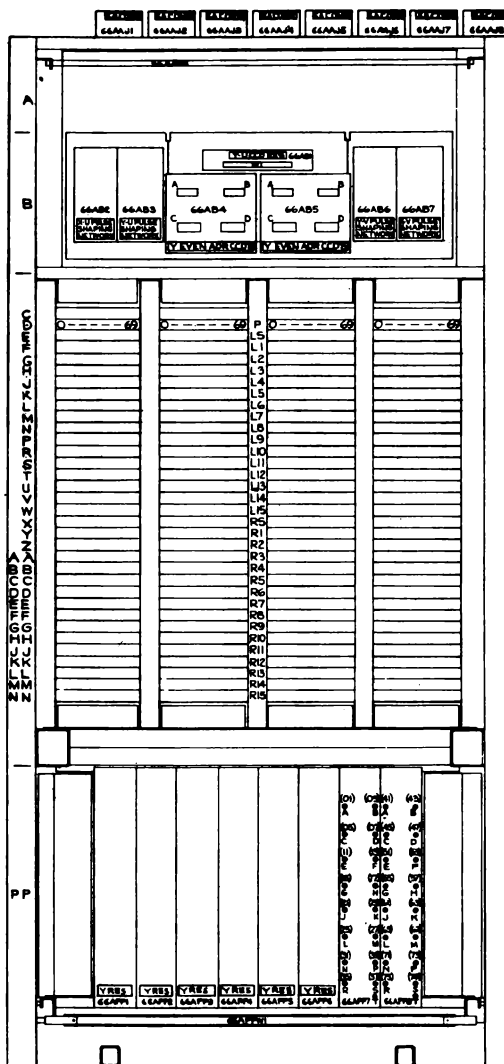
| | A | B | C | D |
|----|-------|-------|-------|-------|
| C | 7574 | 7575 | 7575 | 7575 |
| D | ↑ | 7575 | 7575 | ↑ |
| E | ↓ | 7575 | 7575 | ↓ |
| F | 7574 | 7588 | 7588 | 7575 |
| G | 7590 | SPARE | SPARE | 7595 |
| H | SPARE | 7588 | 7588 | SPARE |
| J | 7594 | SPARE | 7575 | 7595 |
| K | 7584 | 7583 | 7583 | 7576 |
| L | ↑ | ↑ | ↑ | ↑ |
| M | | | | |
| N | | | | |
| P | | | | |
| R | | | | |
| S | | | | ↓ |
| T | | | | 7576 |
| U | | | | 7610 |
| V | | | | ↑ |
| W | | | | |
| X | | | | |
| Y | | | | |
| AA | | | | |
| BB | ↓ | ↓ | ↓ | ↓ |
| CC | 7584 | 7583 | 7583 | 7610 |

**MEMORY NO. 1 ELEMENT
UNIT 87
LOGIC LAYOUT**

| | A | B | C | D |
|----|---------|---------|---------|---------|
| C | 0-2.1.5 | 0-2.1.5 | 0-2.1.5 | ↑ |
| D | ↑ | 0-2.1.5 | 0-2.1.5 | 0-2.1.5 |
| E | ↓ | 0-2.1.5 | 0-2.1.5 | ↓ |
| F | 0.2.1.5 | 0-2.1.4 | 0-2.1.4 | ↓ |
| G | 0-2.1.4 | SPARE | SPARE | ↓ |
| H | SPARE | 0-2.1.4 | 0-2.1.4 | SPARE |
| J | 0-2.1.4 | SPARE | 0.2.1.5 | 0.2.1.5 |
| K | ↑ | ↑ | ↑ | ↑ |
| L | | | | |
| M | | | | |
| N | | | | |
| P | | | | |
| R | | | | |
| S | | | | |
| T | | | | |
| U | 0-2.1.5 | 0-2.1.5 | 0-2.1.5 | 0-2.1.5 |
| V | | | | |
| W | | | | |
| X | | | | |
| Y | | | | |
| AA | | | | |
| BB | | | | ↓ |
| CC | ↓ | ↓ | ↓ | 0.2.1.5 |



MEMORY #2
ARRAY FRAME ENLARGED
 (Showing Driver Panel Locations When Facing Wiring Side)



PANEL A FRONT -

For Layouts of other panels and more detailed information refer to logic 0-2.1.7 (sheet 2).

CORE MEMORY ARRAY-MEMORY I

PART 0

SECTION 3

**Summary PUNCH connections to Central
Computer:**

**Card Reader
Card Recorder
Line Printer
Computer Entry Punch**

CARD READER- (Summary Punch Connections to Central Computer)

| <u>SP51A</u> | <u>P.U.</u> | <u>LOGIC</u> | <u>ZONE</u> | <u>BIT</u> | <u>READ BRUSH</u> | <u>FUNCTION</u> |
|--------------|-------------|--------------|-------------|------------|-------------------|---------------------------------------|
| 1 | 2KF | 0.7.1 | 6C | L8 | 17 | Info transfer line to Left I/O Reg |
| 2 | 2KG | 0.7.1 | 5C | L1 | 18 | " " " " " " " |
| 3 | 2KH | 0.7.1 | 5C | L2 | 19 | " " " " " " " |
| 4 | 2KJ | 0.7.1 | * | L3 | 20 | " " " " " " " |
| 5 | 2KK | 0.7.1 | * | L4 | 21 | " " " " " " " |
| 6 | 2KL | 0.7.1 | * | L6 | 22 | " " " " " " " |
| 7 | 2KM | 0.7.1 | * | L6 | 23 | " " " " " " " |
| 8 | 2KN | 0.7.1 | * | L7 | 24 | " " " " " " " |
| 9 | 2KP | 0.7.1 | 4C | L8 | 25 | " " " " " " " |
| 10 | 2KR | 0.7.1 | * | L9 | 26 | " " " " " " " |
| 11 | 2KS | 0.7.1 | * | L10 | 27 | " " " " " " " |
| 12 | 2KT | 0.7.1 | * | L11 | 28 | " " " " " " " |
| 13 | 2KU | 0.7.1 | * | L12 | 29 | " " " " " " " |
| 14 | 2KV | 0.7.1 | * | L13 | 30 | " " " " " " " |
| 15 | 2KW | 0.7.1 | * | L14 | 31 | " " " " " " " |
| 16 | 2KX | 0.7.1 | 3C | L15 | 32 | " " " " " " " |
| 17 | 3KF | 0.7.1 | 15B | R8 | 33 | Info transfer line to Right I/O Reg |
| 18 | 3KG | 0.7.2 | 14B | R1 | 34 | " " " " " " " |
| 19 | 3KH | 0.7.2 | 13B | R2 | 35 | " " " " " " " |
| 20 | 3KJ | 0.7.2 | * | R3 | 36 | " " " " " " " |
| 21 | 3KK | 0.7.2 | * | R4 | 37 | " " " " " " " |
| 22 | 3KL | 0.7.2 | * | R5 | 38 | " " " " " " " |
| 23 | 3KM | 0.7.2 | * | R6 | 39 | " " " " " " " |
| 24 | 3KN | 0.7.2 | * | R7 | 40 | " " " " " " " |
| 25 | 3KP | 0.7.2 | * | R8 | 41 | " " " " " " " |
| 26 | 3KR | 0.7.2 | * | R9 | 42 | " " " " " " " |
| 27 | 3KS | 0.7.2 | * | R10 | 43 | " " " " " " " |
| 28 | 3KT | 0.7.2 | * | R11 | 44 | " " " " " " " |
| 29 | 3KU | 0.7.2 | * | R12 | 45 | " " " " " " " |
| 30 | 3KV | 0.7.2 | * | R13 | 46 | " " " " " " " |
| 31 | 3KW | 0.7.2 | * | R14 | 47 | " " " " " " " |
| 32 | 3KX | 0.7.2 | 13B | R15 | 48 | " " " " " " " |
| 33 | 6KF | 0.7.1 | 6A | L8 | 49 | Info transfer to Left I/O Buffer Reg |
| 34 | 6KG | 0.7.1 | 5A | L1 | 50 | " " " " " " " |
| 35 | 6KH | 0.7.1 | 5A | L2 | 51 | " " " " " " " |
| 36 | 6KJ | 0.7.1 | * | L3 | 52 | " " " " " " " |
| 37 | 6KK | 0.7.1 | * | L4 | 53 | " " " " " " " |
| 38 | 6KL | 0.7.1 | * | L5 | 54 | " " " " " " " |
| 39 | 6KM | 0.7.1 | * | L6 | 55 | " " " " " " " |
| 40 | 6KN | 0.7.1 | * | L7 | 56 | " " " " " " " |
| 41 | 6KP | 0.7.1 | 4A | L8 | 57 | " " " " " " " |
| 42 | 6KR | 0.7.1 | * | L9 | 58 | " " " " " " " |
| 43 | 6KS | 0.7.1 | * | L10 | 59 | " " " " " " " |
| 44 | 6KT | 0.7.1 | * | L11 | 60 | " " " " " " " |
| 45 | 6KU | 0.7.1 | * | L12 | 61 | " " " " " " " |
| 46 | 6KV | 0.7.1 | * | L13 | 62 | " " " " " " " |
| 47 | 6KW | 0.7.1 | * | L14 | 63 | " " " " " " " |
| 48 | 6KX | 0.7.1 | 3A | L15 | 64 | " " " " " " " |
| 49 | 6JF | 0.7.2 | 11A | R8 | 65 | Info transfer to Right I/O Buffer Reg |
| 50 | 6JG | 0.7.2 | * | R1 | 66 | " " " " " " " |
| 51 | 6JH | 0.7.2 | * | R2 | 67 | " " " " " " " |
| 52 | 6JJ | 0.7.2 | * | R3 | 68 | " " " " " " " |
| 53 | 6JK | 0.7.2 | 10A | R4 | 69 | " " " " " " " |
| 54 | 6JL | 0.7.2 | 9A | R5 | 70 | " " " " " " " |
| 55 | 6JM | 0.7.2 | 9A | R6 | 71 | " " " " " " " |
| 56 | 6JN | 0.7.2 | 8A | R7 | 72 | " " " " " " " |
| 57 | 6JP | 0.7.2 | 7A | R8 | 73 | " " " " " " " |
| 58 | 6JR | 0.7.2 | 7A | R9 | 74 | " " " " " " " |
| 59 | 6JS | 0.7.2 | 6A | R10 | 75 | " " " " " " " |
| 60 | 6JT | 0.7.2 | 5A | R11 | 76 | " " " " " " " |
| 61 | 6JU | 0.7.2 | 4A | R12 | 77 | " " " " " " " |
| 62 | 6JV | 0.7.2 | 3A | R13 | 78 | " " " " " " " |
| 63 | 6JW | 0.7.2 | 3A | R14 | 79 | " " " " " " " |
| 64 | 6JX | 0.7.2 | 2A | R15 | 80 | " " " " " " " |

*(Not shown on logic)

CARD READER- (Summary Punch Connections to Central Computer)

| <u>SP51A</u> | <u>P.U.</u> | <u>LOGIC</u> | <u>ZONE</u> | <u>BIT</u> | <u>READ BRUSH</u> | <u>FUNCTION</u> |
|-----------------|-------------|--------------|-------------|------------|-------------------|------------------------|
| 85 to 80 | | | | | | (Not used) |
| 81 | 1G3 | 7.1.13 | 31C | - | - | Ready I/O Units |
| 82 | 1G3 | 7.1.13 | 31C | - | - | " " " |
| 83 | 5FE | 0.7.6 | 9B | - | - | Start Reader |
| 84 | 5FP | 0.7.6 | 10B | - | - | Disconnect Card Reader |
| 85 to 87 | | | | | | (Not used) |
| 88 | 1H3 | 7.1.13 | 35D | - | - | "Reader Ready" Relay |
| 89 | | | | | | (Not used) |
| 90 | 5BS | 0.7.4 | 7A | - | - | Card Reader Not Ready |
| 91 | 5FS | 0.7.6 | 11B | - | - | Request Disconnect |
| 92 | 5FS | 0.7.6 | 6B | - | - | Request Break |
| 93 | 1G3 | 7.1.5 | 4E | - | - | -48 volt return |
| 94 to 100 | | | | | | (Not used) |

*(Not shown on logic)

**CARD RECORDER
LINE PRINTER** (Summary Punch Connections to Central Computer)

| <u>From</u> <u>SP53A</u> | <u>To</u> <u>SP52B</u> | <u>SP52A</u> | <u>P.U.</u> | <u>LOGIC</u> | <u>ZONE</u> | |
|-----------------------------|---------------------------|--------------|-------------|--------------|-------------|----|
| 1 | 1 | 1 | 2LF | 0.7.6 | 5E | LS |
| 2 | 2 | 2 | 2LG | 0.7.6 | 5E | 1 |
| 3 | 3 | 3 | 2LH | 0.7.6 | 4E | 2 |
| 4 | 4 | 4 | 2LJ | 0.7.6 | * | 3 |
| 5 | 5 | 5 | 2LK | 0.7.6 | * | 4 |
| 6 | 6 | 6 | 2LL | 0.7.6 | * | 5 |
| 7 | 7 | 7 | 2LM | 0.7.6 | * | 6 |
| 8 | 8 | 8 | 2LN | 0.7.6 | * | 7 |
| 9 | 9 | 9 | 2LP | 0.7.6 | * | 8 |
| 10 | 10 | 10 | 2LR | 0.7.6 | * | 9 |
| 11 | 11 | 11 | 2LS | 0.7.6 | * | 10 |
| 12 | 12 | 12 | 2LT | 0.7.6 | * | 11 |
| 13 | 13 | 13 | 2LU | 0.7.6 | * | 12 |
| 14 | 14 | 14 | 2LV | 0.7.6 | * | 13 |
| 15 | 15 | 15 | 2LW | 0.7.6 | * | 14 |
| 16 | 16 | 16 | 2LX | 0.7.6 | 3E | 15 |
| 17 | 17 | 33 | 3LF | 0.7.6 | 5B | RS |
| 18 | 18 | 34 | 3LG | 0.7.6 | 5B | 1 |
| 19 | 19 | 35 | 3LH | 0.7.6 | 4B | 2 |
| 20 | 20 | 36 | 3LJ | 0.7.6 | * | 3 |
| 21 | 21 | 37 | 3LK | 0.7.6 | * | 4 |
| 22 | 22 | 38 | 3LL | 0.7.6 | * | 5 |
| 23 | 23 | 39 | 3LM | 0.7.6 | * | 6 |
| 24 | 24 | 40 | 3LN | 0.7.6 | * | 7 |
| 25 | 25 | 41 | 3LP | 0.7.6 | * | 8 |
| 26 | 26 | 42 | 3LR | 0.7.6 | * | 9 |
| 27 | 27 | 43 | 3LS | 0.7.6 | * | 10 |
| 28 | 28 | 44 | 3LT | 0.7.6 | * | 11 |
| 29 | 29 | 45 | 3LU | 0.7.6 | * | 12 |
| 30 | 30 | 46 | 3LV | 0.7.6 | * | 13 |
| 31 | 31 | 47 | 3LW | 0.7.6 | * | 14 |
| 32 | 32 | 48 | 3LX | 0.7.6 | 3B | 15 |
| 33 | 33 | 17 | 2LF | 0.7.6 | 5E | LS |
| 34 | 34 | 18 | 2LG | 0.7.6 | 5E | 1 |
| 35 | 35 | 19 | 2LH | 0.7.6 | 4E | 2 |
| 36 | 36 | 20 | 2LJ | 0.7.6 | * | 3 |
| 37 | 37 | 21 | 2LK | 0.7.6 | * | 4 |
| 38 | 38 | 22 | 2LL | 0.7.6 | * | 5 |
| 39 | 39 | 23 | 2LM | 0.7.6 | * | 6 |
| 40 | 40 | 24 | 2LN | 0.7.6 | * | 7 |
| 41 | 41 | 25 | 2LP | 0.7.6 | * | 8 |
| 42 | 42 | 26 | 2LR | 0.7.6 | * | 9 |
| 43 | 43 | 27 | 2LS | 0.7.6 | * | 10 |
| 44 | 44 | 28 | 2LT | 0.7.6 | * | 11 |
| 45 | 45 | 29 | 2LU | 0.7.6 | * | 12 |
| 46 | 46 | 30 | 2LV | 0.7.6 | * | 13 |
| 47 | 47 | 31 | 2LW | 0.7.6 | * | 14 |
| 48 | 48 | 32 | 2LX | 0.7.6 | 3E | 15 |
| 49 | 49 | 49 | 3LF | 0.7.6 | 5B | RS |
| 50 | 50 | 50 | 3LG | 0.7.6 | 5B | 1 |
| 51 | 51 | 51 | 3LH | 0.7.6 | 4B | 2 |
| 52 | 52 | 52 | 3LJ | 0.7.6 | * | 3 |
| 53 | 53 | 53 | 3LK | 0.7.6 | * | 4 |
| 54 | 54 | 54 | 3LL | 0.7.6 | * | 5 |
| 55 | 55 | 55 | 3LM | 0.7.6 | * | 6 |
| 56 | 56 | 56 | 3LN | 0.7.6 | * | 7 |
| 57 | 57 | 57 | 3LP | 0.7.6 | * | 8 |
| 58 | 58 | 58 | 3LR | 0.7.6 | * | 9 |
| 59 | 59 | 59 | 3LS | 0.7.6 | * | 10 |
| 60 | 60 | 60 | 3LT | 0.7.6 | * | 11 |
| 61 | 61 | 61 | 3LU | 0.7.6 | * | 12 |
| 62 | 62 | 62 | 3LV | 0.7.6 | * | 13 |
| 63 | 63 | 63 | 3LW | 0.7.6 | * | 14 |
| 64 | 64 | 64 | 3LX | 0.7.6 | 3B | 15 |

Information transfer lines from the Left I/O Thyatron Register to the Line Printer- Odd Word Calc. Exit Hubs.

Information transfer lines from the Left I/O Thyatron Register to the Card Recorder thru the Line Printer for even words.

Information transfer lines from the Right I/O Thyatron Register to the Line Printer- Odd Word Calc. Exit Hubs.

Information transfer lines from the Right I/O Thyatron Register to the Card Recorder thru the Line Printer for even words.

Information transfer lines from the Left I/O Thyatron Register to the Line Printer- Even Word Calc. Exit Hubs.

Information transfer lines from the Left I/O Thyatron Register to the Card Recorder thru the Line Printer for odd words.

Information transfer lines from the Right I/O Thyatron Register to the Line Printer- Even Word Calc. Exit Hubs.

Information transfer lines from the Right I/O Thyatron Register to the Card Recorder thru the Line Printer for odd words.

NOTE: * indicates not shown on the logic

CARD RECORDER
LINE PRINTER (Summary Punch Connections to Central Computer)

| <u>From</u> <u>SP53A</u> | <u>To</u> <u>SP52B</u> | <u>SP52A</u> | <u>P.U.</u> | <u>LOGIC</u> | <u>ZONE</u> | <u>FUNCTION</u> |
|-----------------------------|---------------------------|--------------|-------------|--------------|-------------|--|
| 65 | | 65 | | | | } Not used |
| to | | to | | | | |
| 89 | | 89 | | | | |
| 90 | 90 | 90 | 1G3 | 7.1.13 | 35E | -48 volt return- Not Ready Relay |
| 91 | 91 | 91 | 5FS | 0.7.6 | 11B | Request Disconnect- Line Printer & Rcdr. |
| 92 | 92 | 92 | 3KD | 0.7.6 | 7E | Request Breakout- Line Printer & Rcdr. |
| 93 | 93 | 93 | 5BS | 0.7.4 | 6A | Recorder not ready |
| 94 | 94 | 94 | 5FP | 0.7.6 | 10B | Disconnect Printer- Rcdr. Thyatron Pl. |
| 95 | 95 | 95 | 5FE | 0.7.6 | 9B | Write Thyatron Plates |
| 96 | 96 | 96 | 5CW | 0.7.6 | 1E | Recorder Operate 1- PER73 |
| 97 | 97 | 97 | 5CW | 0.7.6 | 1E | Recorder Operate 2- PER 74 |
| 98 | 98 | 98 | 1G3 | 7.1.13 | 31C | } Ready I/O Units |
| 99 | 99 | 99 | 1G3 | 7.1.13 | 31C | |
| 100 | 100 | 100 | 1H3 | 7.1.13 | 35D | Recorder Not Ready Relay |
| 101 to 100 | ** | 101 | 5CR | 0.7.6 | 3D | 1 |
| | | 102 | 5CR | 0.7.6 | 3D | 2 |
| | | 103 | 5CR | 0.7.6 | 2D | 3 |
| | | 104 | 5CT | 0.7.6 | 2D | 4 |
| | | 105 | 5CT | 0.7.6 | 2D | 5 |
| | | 106 | 5CT | 0.7.6 | 2D | 6 |
| | | 107 | 5CU | 0.7.6 | 2D | 7 |
| | | 108 | 5CU | 0.7.6 | 1D | 8 |
| | | 109 | 5CU | 0.7.6 | 1D | 9 |
| | | 110 | 5CW | 0.7.6 | 1D | 10 |
| | | 111 | | | | } Not used |
| | | 112 | | | | |
| | | 113 | 5BS | 0.7.6 | 6A | Line Printer Not Ready |
| | | 114 | | | | Not used |
| | | 115 | 5FE | 0.7.6 | 10B | Start Line Printer |
| | | 116 | 5BS | 0.7.4 | 6D | 1 } Sense Entry |
| | | 117 | 5BS | 0.7.4 | 6D | |
| | | 118 | 1G3 | 7.1.13 | 31C | } Ready I/O Units |
| | | 119 | 1G3 | 7.1.13 | 31C | |
| | | 120 | 1H3 | 7.1.13 | 35D | Line Printer Not Ready Relay |
| | | 121 | 3LF | 5.4.3.1 | | 72 volt Control |
| | | 122 | | | | } Not used |
| | | to | | | | |
| | | 180 | | | | |

NOTE: *indicates not shown on the logic
 **not used on card recorder

NOTE
 Punch magnets are numbered in reverse order of card column.
 Punch magnet number one is used to punch column eighty.

COMPUTER ENTRY PUNCH - (Nike connections to Central Computer through MDI)

| NIKE CONN. | LOGIC | CEP 352 | | CEP 353 | | CEP 354 | | BIT | PUNCH | FUNCTION |
|---------------------------------------|-------|---------|------|---------|------|---------|------|-----|-------|-------------------|
| | | P.U. | ZONE | P.U. | ZONE | P.U. | ZONE | | | |
| CA | 2.2.1 | 23EF | 21A | 23EG | 20A | 23EH | 19A | - | - | +10 volts present |
| CB | 2.2.1 | 23EF | 21A | 23EG | 20A | 23EH | 19A | - | - | Information Ready |
| CC | 2.2.1 | 23ES | 6D | 23ES | 6D | 23ES | 6D | R6 | - | Card Count 1 |
| CD | 2.2.1 | 23D6 | 7D | 23D6 | 7D | 23D6 | 7D | R5 | - | " " 2 |
| CE | 2.2.1 | 23D6 | 7D | 23D6 | 7D | 23D6 | 7D | R4 | - | " " 3 |
| CF | 2.2.1 | 23ER | 8D | 23ER | 8D | 23ER | 8D | R3 | - | " " 4 |
| CG | 2.2.1 | 23ER | 9D | 23ER | 9D | 23ER | 9D | R2 | - | " " 5 |
| CJ | 2.2.1 | 23DU | 2D | 23DU | 2D | 23DU | 2D | R13 | - | Column Count |
| CK | 2.2.1 | 23DU | 3D | 23DU | 3D | 23DU | 3D | R12 | - | " " |
| CL | 2.2.1 | 23ET | 3D | 23ET | 3D | 23ET | 3D | R11 | - | " " |
| CM | 2.2.1 | 23ET | 4D | 23ET | 4D | 23ET | 4D | R10 | - | " " |
| CN | 2.2.1 | 23DT | 4D | 23DT | 4D | 23DT | 4D | R9 | - | " " |
| CP | 2.2.1 | 23DT | 5D | 23DT | 5D | 23DT | 5D | R8 | - | " " |
| CR | 2.2.1 | 23ES | 6D | 23ES | 6D | 23ES | 6D | R7 | - | " " |
| CS | 2.2.1 | 23DL | 20D | 23DL | 19D | 23DL | 19D | L8 | 12 | |
| CT | 2.2.1 | 23DL | 19D | 23DL | 19D | 23DL | 19D | L1 | 11 | |
| CU | 2.2.1 | 23EL | 18D | 23EL | 18D | 23EL | 18D | L2 | 0 | |
| CV | 2.2.1 | 23EL | 18D | 23EL | 18D | 23EL | 18D | L3 | 1 | |
| CW | 2.2.1 | 23DM | 17D | 23DM | 17D | 23DM | 17D | L4 | 2 | |
| CX | 2.2.1 | 23DM | 17D | 23DM | 17D | 23DM | 16D | L5 | 3 | |
| CY | 2.2.1 | 23EM | 16D | 23EM | 16D | 23EM | 16D | L6 | 4 | |
| CZ | 2.2.1 | 23EM | 15D | 23EM | 15D | 23EM | 15D | L7 | 5 | |
| Ca | 2.2.1 | 23DN | 15D | 23DN | 15D | 23DN | 15D | L8 | 6 | |
| Cb | 2.2.1 | 23DN | 14D | 23DN | 14D | 23DN | 14D | L9 | 7 | |
| Cc | 2.2.1 | 23EN | 14D | 23EN | 13D | 23EN | 13D | L10 | 8 | |
| Cd | 2.2.1 | 23EN | 13D | 23EN | 13D | 23EN | 13D | L11 | 9 | |
| Ce | | | | | | | | | | |
| Cj | | | | | | | | | | |
| Ck | 2.2.1 | 23EF | 21B | 23EG | 20B | 23EH | 19B | - | - | Interlock |
| Cm | 2.2.1 | 23EF | 21B | 23EG | 20B | 23EH | 19B | - | - | Interlock |
| Cn | 2.2.1 | 23EF | 20A | 23EG | 19A | 23EH | 19A | - | - | Ground |
| *DA to DZ Da to Dn | | | | | | | | | | |

*(Computer Entry Punch Units are Simplex. For "B" Computer connections, convert nike connector from "C" to "D". i.e., CA to DA, Ca to Da, etc.

Information transfer lines from the CEPs to the MI Register

(Not used)

Drums

PART 1

SECTION 1

Flip-Flop - PU, Logic and Zone Reference

| | PU | LOGIC | ZONE |
|-----------------------------------|---------------|---------|---------|
| AM-A APC | 21MD-MP | 1.2.3 | 10-13 C |
| AM-A APC Check FF | 21PT | 1.2.3 | 10 C |
| AM-A APC Error FF | 21PT | 1.2.3 | 9 C |
| AM-A Index Pulse FF | 21FX | 1.1.2 | 1 E |
| AM-A Timing Ckts | | 1.1.2 | 14-16 E |
| AM-B APC | 21MD-MP | 1.2.3 | 10-13 A |
| AM-B APC Check FF | 21PU | 1.2.3 | 10 A |
| AM-B APC Error FF | 21PU | 1.2.3 | 9 B |
| AM-B Index Pulse FF | 21FX | 1.1.2 | 1 E |
| AM-B Timing Ckts | | 1.1.2 | 10-13 E |
| AM-C APC | 20JJ-JV | 1-2.2.3 | 10-13 E |
| AM-C APC Check FF | 20KS | 1-2.2.3 | 10 E |
| AM-C APC Error FF | 20KS | 1-2.2.3 | 9 E |
| AM-C Index Pulse FF | 20BW | 1-2.1.2 | 2 E |
| AM-C Timing Ckts | | 1-2.1.2 | 4-5 E |
| AM-D APC | 20JJ-JV | 1-2.2.3 | 10-13 C |
| AM-D APC Check FF | 20KS | 1-2.2.3 | 9 C |
| AM-D APC Error FF | 20KS | 1-2.2.3 | 10 C |
| AM-D Index Pulse FF | 20BW | 1-2.1.2 | 2 E |
| AM-D Timing Ckts | | 1-2.1.2 | 4-5 D |
| AM-E APC | 20JJ-JV | 1-2.2.3 | 10-13 A |
| AM-E APC Check FF | 20KT | 1-2.2.3 | 9 B |
| AM-E APC Error FF | 20KT | 1-2.2.3 | 10 A |
| AM-E Index Pulse FF | 20BW | 1-2.1.2 | 2 E |
| AM-E Timing Ckts | | 1-2.1.2 | 4-5 C,D |
| AM-F APC | 20KE-KR | 1-2.2.3 | 5-8 E |
| AM-F APC Check FF | 20KT | 1-2.2.3 | 4 E |
| AM-F APC Error FF | 20KT | 1-2.2.3 | 4 E |
| AM-F Index Pulse FF | 20BW | 1-2.1.2 | 2 D |
| AM-F Timing Ckts | | 1-2.1.2 | 4-5 C |
| AM-G APC | 20KE-KR | 1-2.2.3 | 5-8 C |
| AM-G APC Check FF | 20KU | 1-2.2.3 | 4 C |
| AM-G APC Error FF | 20KU | 1-2.2.3 | 4 C |
| AM-G Index Pulse FF | 20BW | 1-2.1.2 | 2 D |
| AM-G Timing Ckts | | 1-2.1.2 | 4-5 B |
| AM-H APC | 20KE-KR | 1-2.2.3 | 5-8 A |
| AM-H APC Check FF | 20KU | 1-2.2.3 | 4 B |
| AM-H APC Error FF | 20KU | 1-2.2.3 | 4 A |
| AM-H Index Pulse FF | 20BW | 1-2.1.2 | 2 D |
| AM-H Timing Ckts | | 1-2.1.2 | 4-5 A |
| APC Alarm FF | 21LU | 1.2.3 | 2 D |
| AXD Adr Compare FF | 20FT | 1-2.2.1 | 6 C |
| AXD APC Alarm FF | 20EY | 1-2.2.3 | 2 C |
| AXD CD Mode FF | 20FP | 1-2.2.1 | 10 E |
| AXD CD Read FF | 20FR | 1-2.2.1 | 10 C |
| AXD CD Selection Reg | 20FC-FD | 1-2.1.1 | 15 B-C |
| AXD CD Write FF | 20FR | 1-2.2.1 | 10 C |
| AXD CD Write Reg | 20CE-CX | 1-2.2.1 | 2-4 B |
| AXD CD Write Reg Full FF | 20FS | 1-2.2.1 | 9 A |
| AXD CD Write Reg Wrt Pulse Str FF | 20CD | 1-2.2.1 | 4 C |
| AXD Check Reg | 20EB-EK | 1-2.3.2 | 3-6 E |
| AXD Drum Field Drivers | 20GC-HW | 1-2.1.1 | 2-8B |
| AXD Drum Read Amp | 20AC-AX | 1-2.2.2 | 12A-E |
| AXD Erase Ckt | | 1-2.3.3 | 9B-C |
| AXD Drum SW Cans | 20B(P1)-(P33) | 1-2.1.1 | 5B-7D |
| AXD Field SW Cans | AM(P2)-(P36) | 1-2.1.1 | 5-7B |
| AXD Manual Read FF | 20ET | 1-2.3.2 | 14 B |
| AXD Manual Write FF | 20ET | 1-2.3.2 | 14 B |
| AXD Manual Test Error FF | 20EV | 1-2.3.2 | 1 C |
| AXD Master Sync FF | 20FT | 1-2.2.1 | 8 B |
| AXD OFG's | | 1-2.3.3 | 7B-C |
| AXD Read SW Cans | 20A(P1)-(P11) | 1-2.1.1 | 4B-D |
| AXD Selection & Diode Switching | 20FC-FK | 1-2.1.1 | |
| AXD TC & Index Wrt FF | 20BD | 1-2.3.3 | 5 B |
| AXD TC & Index Wrt Reg FF | 20BE | 1-2.3.3 | 5 C |
| AXD TC & Index Wrt Pulse Str FF | 20BB | 1-2.3.3 | 5 C |
| AXD Test APC | 20EM-EP | 1-2.3.2 | 8-12 A |
| AXD Test APC Check FF | 20EP | 1-2.3.2 | 13 A |

- A - (cont'd)

| | PU | LOGIC | ZONE |
|---------------------------|---------|---------|---------|
| AXD Test APC Error FF | 20EL | 1-2.3.2 | 12 B |
| AXD Test Pattern FF | 20ER | 1-2.3.2 | 9 D |
| AXD Timing & Distribution | 20BG-BS | 1-2.1.2 | 3&4 A-E |

- C -

| | | | |
|-----------------------------|---------|-------|-------|
| CD Address Compare FF | 21FG | 1.2.1 | 7 C |
| CD Master Sync FF | 21FG | 1.2.1 | 9 C |
| CD Mode FF | 21FD | 1.2.1 | 10 E |
| CD Read Status Fld Disc Ctr | 21PE-PR | 1.3.1 | 2-5 E |
| CD Read FF | 21FE | 1.2.1 | 10 C |
| CD Selection Reg | 21GC-GD | 1.1.1 | 13 C |
| CD Write FF | 21FE | 1.2.1 | 10 C |
| CD Write Reg | 22GE-GX | 1.2.1 | 2-4 B |
| CD Write Reg Full FF | 21FF | 1.2.1 | 10 A |
| CD Write Reg Pulse Str FF | 22GD | 1.2.1 | 5 B |
| Check Register | 21KP-KY | 1.7.2 | 3-6 E |
| Computer Test Read FF | 21LE | 1.7.2 | 14 B |
| Computer Test Sync FF | 21LE | 1.8.1 | 13 B |
| Computer Test Write FF | 21LE | 1.7.2 | 14 B |

- D -

| | | | |
|----------------------------|---------|-------|----------|
| DD Drum Read Amp | 22BF-BY | 1.5.3 | 2-5 A |
| DD OD Reg Ctr | 21AD-AE | 1.5.3 | 6-7 C |
| DD OD Sync FF | 21AC | 1.5.3 | 8 B |
| Display Dim FF | 21DW | 1.5.1 | 1 D |
| Drum Field Drivers | 21HC-JK | 1.1.1 | 9 A-E |
| Drum Full Alarm FF | 21LT | 1.3.1 | 9 A |
| Drum Read Ckts | 22EC-EV | 1.2.2 | 5-11 A&B |
| Drum Timing & Distribution | 22FJ-FV | 1.1.2 | |

- G -

| | | | |
|---------------------------------|---------|-------|--------|
| GFI CD Status Write Reg FF | 22HH | 1.3.2 | 14 D |
| GFI OD Full FF | 21BU | 1.3.2 | 12 A |
| GFI OD Full Alarm FF | 21MU | 1.3.2 | 12 A |
| GFI OD Rel Time Ctr Input FF | 22MX | 1.3.2 | 6 A |
| GFI OD Rel Time Ctr Step FF | 22MX | 1.3.2 | 7 A |
| GFI OD Rel Time Ctr Sync FF | 22MX | 1.3.2 | 6 A |
| GFI OD Status Reg FF | 21BU | 1.3.2 | 13 B |
| GFI OD Status Write Reg FF | 22HH | 1.3.2 | 11 B |
| GFI OD Test Status Reg FF | 21BU | 1.3.2 | 12 B |
| GFI OD Write Pulse Stretcher FF | 22NC | 1.3.2 | 10 C |
| GFI OD Write Reg | 22ND-NX | 1.3.2 | 3-10 C |
| GFI OD Write Reg Full FF | 21BU | 1.3.2 | 11 B |
| GFI Relative Time Ctr Wrt Ckt | 21NJ-NM | 1.3.2 | 5-7 C |

- I -

| | | | |
|-----------------------|---------|---------|-------|
| IC Drum Read Amp | 22AF-AY | S-1.6.1 | |
| IC Other APC | 21RG-RK | S-1.6.1 | 5-9 E |
| IC Other APC Alarm FF | 21RL | S-1.6.1 | 4 E |
| IC Other APC Check FF | 21RL | S-1.6.1 | 4 E |
| IC Other Compare FF | 21RN | S-1.6.1 | 13 D |
| IC Other Read FF | 21RN | S-1.6.1 | 14 D |
| IC Other Read Sync FF | 21RN | S-1.6.1 | 14 D |
| IC Test Pattern FF | 21KF | 1.8.3 | 8D |

- L -

| | | | |
|-------------------------------|------|-------|-----|
| LOG Status Write Pulse Str FF | 22HG | 1.1.2 | 7 B |
| LOG Index Pulse FF | 21FX | 1.1.2 | 1 D |

- L - (cont'd)

| | PU | LOGIC | ZONE |
|------------------------------|---------|-------|-------|
| LOG (Test) APC | 21LW-LY | 1.2.3 | 5-8 A |
| LOG (Test) APC Check FF | 21LY | 1.2.3 | 3 A |
| LOG (Test) APC Alarm FF | 21LV | 1.2.3 | 3 A |
| Log Drum Timing Ckts | 21EH-EG | 1.1.2 | 9A-E |
| LRI Status Slot Ctr | 21PC | 1.3.3 | 2 E |
| LRI OD Write Reg | 22LD-LV | 1.3.3 | 3-5 B |
| | 22MD-MW | | |
| LRI OD Slot Ctr | 21AH | 1.3.3 | 11 B |
| LRI-1 CD Slot Ctr | 21FP | 1.3.3 | 7 D |
| LRI-1 CD Status Write Reg FF | 22HJ | 1.3.3 | 8 B |
| LRI-1 OD Full FF | 21BN | 1.3.3 | 10 A |
| LRI-1 OD Full Alarm FF | 21LT | 1.3.3 | 10 B |
| LRI-1 OD Status Reg FF | 21BN | 1.3.3 | 11 B |
| LRI-1 OD Status Write Reg FF | 22HJ | 1.3.3 | 11 D |
| LRI-1 OD Test Status Reg FF | 21BN | 1.3.3 | 9 B |
| LRI-1 OD Write Pulse Str FF | 22MC | 1.3.3 | 6 B |
| LRI-1 OD Write Reg Full FF | 21BN | 1.3.3 | 8 A |
| LRI-2 CD Slot Ctr | 21FS | 1.3.4 | 7 D |
| LRI-2 CD Status Write Reg FF | 22HK | 1.3.4 | 11 D |
| LRI-2 OD Full FF | 21BR | 1.3.4 | 10 A |
| LRI-2 OD Full Alarm FF | 21LT | 1.3.4 | 10 B |
| LRI-2 OD Status Reg FF | 21BR | 1.3.4 | 11 B |
| LRI-2 OD Status Write Reg FF | 22HK | 1.3.4 | 8 B |
| LRI-2 OD Test Status Reg FF | 21BR | 1.3.4 | 9B |
| LRI-2 OD Write Pulse Str FF | 22LC | 1.3.4 | 6 B |
| LRI-2 OD Write Reg Full FF | 21BR | 1.3.4 | 8 A |

- M -

| | | | |
|--------------------------------|---------------|-------|----------|
| Main Drum Erase Ckts | | 1.7.3 | 9B-C |
| Main Drum OFG's | | 1.7.3 | 7B-C |
| Main Drum SW Cans | 22F(P1)-(P33) | 1.1.1 | 7-3, B-D |
| Main Field SW Cans | AM(P2)-(P36) | 1.1.1 | 3-7B |
| Main RDS SW Cans | 22E(P1)-(P11) | 1.1.1 | 3B-E |
| Manual Test Error FF | 21KL | 1.7.2 | 1 C |
| Marker Status Slot Ctr FF | 21PC | 1.3.5 | 8 E |
| MIXD APC | 21MD-MP | 1.2.3 | 10-13E |
| MIXD APC Check FF | 21RL | 1.2.3 | 10D |
| MIXD APC Error FF | 21RL | 1.2.3 | 9D |
| MIXD Drum Timing Ckts | 21EJ-EK | 1.1.2 | 6A-E |
| MIXD Index Pulse FF | 21FX | 1.1.2 | 1D |
| MIXD Status Write Pulse Str FF | 22HP | 1.1.2 | 3A |
| MI CD Status Write Reg FF | 22HM | 1.3.1 | 11 D |
| MI OD Full FF | 21BG | 1.3.1 | 10 A |
| MI OD Full Alarm FF | 21LT | 1.3.1 | 9 A |
| MI OD Status Reg FF | 21BG | 1.3.1 | 11 B |
| MI OD Status Write Reg FF | 22HM | 1.3.1 | 8 B |
| MI OD Test Status Reg FF | 21BG | 1.3.1 | 9 B |
| MI OD Write Pulse Str FF | 22KC | 1.3.1 | 6 B |
| MI OD Write Reg Full FF | 21BG | 1.3.1 | 8 A |
| MI OD Write Reg | 22KD-KW | 1.3.1 | 3-5 B |

- O -

| | | | |
|--------------------------|------------|-------|---------|
| OB Disconnect Ctrs 1 & 2 | 21AT | 1.4.1 | 22 C |
| OB Drum Read Amp | 22CF-CY | 1.4.1 | 5-8 D |
| OB OD Field Sw Ctr 1 & 2 | 21AR, 21AF | 1.4.1 | 15 E |
| OB CD Gap Ctr | 21AU | 1.4.1 | 18-19 C |
| OB CD Field Ctrs 1 & 2 | 21AR | 1.4.1 | 19 B |
| OB OD Gap Ctr | 21AV | 1.4.1 | 10 C |
| OB OD Restart FF | 21AG | 1.4.1 | 10 D |
| OB Odd Reg | 21AS | 1.4.1 | 21 A |
| OB-1 CD Status Reg | 21AK | 1.4.1 | 16 A |
| OB-1 CD Status Write Reg | 22HC | 1.4.1 | 16 B |

- O - (cont'd)

| | PU | LOGIC | ZONE |
|--------------------------|------|-------|------|
| OB-1 OD Status Write Reg | 22HC | 1.4.1 | 17 D |
| OB-2 CD Status Reg | 21AL | 1.4.1 | 14 A |
| OB-2 CD Status Write Reg | 22HD | 1.4.1 | 14 B |
| OB-2 OD Status Write Reg | 23HD | 1.4.1 | 15 C |
| OB-3 CD Status Reg | 21AM | 1.4.1 | 13 A |
| OB-3 CD Status Write Reg | 22HE | 1.4.1 | 11 B |
| OB-3 OD Status Write Reg | 23HE | 1.4.1 | 13 C |

- P -

| | | | |
|---------------------|------|-------|-----|
| Parity FF | 21KP | 1.7.2 | 6 E |
| Precessing Error FF | 21LV | 1.8.2 | 3 E |

- R -

| | | | |
|----------------------------|---------|-------|---------|
| RD Field Selection Matrix | 21CJ-CT | 1.5.1 | 5-9E |
| RD APC | 21PE-PR | 1.2.3 | 5-8 C |
| RD APC Check FF | 21PV | 1.2.3 | 4 C |
| RD APC Error FF | 21PV | 1.2.3 | 4 C |
| RD CD Timing Gap Ctr | 21ES | 1.1.2 | 13-14 A |
| RD Index Pulse FF | 21FX | 1.1.2 | 1 D |
| RD OD Field Ctr | 21DX | 1.5.1 | 1-2 A |
| RD OD Field Sel Ctr | 21DR-DT | 1.5.1 | 6-7 D |
| RD OD Reg Ctr | 21DP | 1.5.1 | 3 B |
| RD OD Scan Counter | 21DT-DU | 1.5.1 | 6-8 B |
| RD OD Scan Counter Step FF | 21DM | 1.5.1 | 5 B |
| RD OD Scan Counter Sync FF | 21DM | 1.5.1 | 5 A |
| RD OD Selected FF | 21DK | 1.5.1 | 4 B |
| RD OD Sync FF | 21DK | 1.5.1 | 4 A |
| RD OD Timing Gap Ctr | 21ET | 1.5.1 | 3 E |
| RD OD Transfer Scan Ctr FF | 21DM | 1.5.1 | 5 C |
| RD Timing | 21EN-ED | 1.1.2 | 14-16B |

- S -

| | | | |
|--|---------|-------|-------|
| Sel. Reg. 01,02 | 21GC | 1.1.1 | 21 C |
| Sel. Reg. 04,10 | 21GC-D | 1.1.1 | 21 D |
| Sel. Reg. 20,40 | 21GD | 1.1.1 | 21 E |
| Step Disconnect Ctr FF | 21PC | 1.3.1 | 2 E |
| SD Drum Read Amp | 22DF-DY | 1.5.2 | 6B-E |
| SD OD Timing Pulse Sw Ctr | 21MT | 1.5.2 | 4 B |
| SP XTL CD Marker Status Wrt Reg FF | 22PW | 1.3.6 | 10 D |
| SP XTL CD Marker Status Wrt Pulse Str FF | 22PX | 1.3.6 | 11 D |
| SP XTL CD Status Wrt Reg FF | 22HR | 1.3.6 | 11 D |
| SP XTL OD Full FF | 21BJ | 1.3.6 | 9 A |
| SP XTL OD Full Alarm FF | 21LT | 1.3.6 | 8 A |
| SP XTL OD Marker Chan Status FF | 21BL | 1.3.6 | 10 A |
| SP XTL OD Status Reg FF | 21BJ | 1.3.6 | 11 A |
| SP XTL OD Status Wrt Reg | 22HR | 1.3.6 | 7 C |
| SP XTL OD Test Marker Chan Status FF | 21BL | 1.3.6 | 7 B |
| SP XTL OD Test Status Reg FF | 21BJ | 1.3.6 | 8 B |
| SP XTL OD Write Pulse Str FF | 22PC | 1.3.6 | 5 C |
| SP XTL OD Write Reg | 22PD-PW | 1.3.6 | 2-5 B |
| SP XTL OD Write Reg Full FF | 21BJ | 1.3.6 | 7 B |
| Status Test Read Sample FF | 21KJ | 1.7.1 | 4 D |
| Status Disconnect Ctr. | 21PE-PR | 1.3.1 | 2-5 E |

- T -

| | | | |
|-------------------------------|-----------|-------|---------|
| TC & Index Write FF | 22HV | 1.7.3 | 5 B |
| TC & Index Write Reg FF | 22HU | 1.7.3 | 6 C |
| TC & Index Write Pulse Str FF | 22HX | 1.7.3 | 5 C |
| TD APC | 21PE-PR | 1.2.3 | 5-8 D |
| TD APC Check FF | 21PU | 1.2.3 | 4 D |
| TD APC Error FF | 21PU | 1.2.3 | 4 E |
| TD CD Timing Gap Ctr | 21EY | 1.1.2 | 13-14 C |
| TD Computer Test Start FF | 21DJ | 1.8.2 | 9 C |
| TD Field Selection Matrix | 21CC-21CH | 1.5.1 | 9-12E |

- T - (cont'd)

| | PU | LOGIC | ZONE |
|----------------------|-----------|-------|---------|
| TD Index Pulse FF | 21FX | 1.1.2 | 1 E |
| TD OD Field Ctr | 21DG | 1.5.1 | 9-10 C |
| TD OD Register Ctr | 21DD | 1.5.1 | 11-12 B |
| TD OD Selected FF | 21DC | 1.5.1 | 12 B |
| TD OD Slot Ctr | 21DE-21DF | 1.5.1 | 9-10 B |
| TD OD Sync FF | 21DC | 1.5.1 | 12 B |
| TD OD Timing Gap Ctr | 21DY | 1.5.1 | 11-12 C |
| TD Read Sample FF | 21DJ | 1.5.2 | 5 A |
| TD Timing Ckts | 21EL-EM | 1.1.2 | 14-16C |
| Test APC | 21LW-LY | 1.2.3 | 5-8 B |
| Test APC Check FF | 21LY | 1.2.3 | 3 A |
| Test APC Alarm FF | 21LV | 1.2.3 | 3 A |
| Test Pattern FF | 21KF | 1.7.2 | 9 D |

- X -

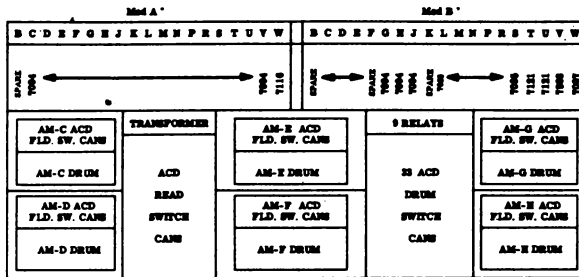
| | | | |
|------------------------------------|---------|-------|--------|
| XTL CD Marker Status Wrt Reg | 22JW | 1.3.5 | 10 D |
| XTL CD Marker Status Wrt Pulse Str | 22JX | 1.3.5 | 11 D |
| XTL CD Status Write Reg FF | 22HL | 1.3.5 | 11 D |
| XTL OD Full FF | 21BC | 1.3.5 | 9 A |
| XTL OD Full Alarm FF | 21LT | 1.3.5 | 8 A |
| XTL OD Marker Chan Status FF | 21BE | 1.3.5 | 9 B |
| XTL OD Status Reg FF | 21BC | 1.3.5 | 11 A |
| XTL OD Status Write Reg FF | 22HL | 1.3.5 | 7 B |
| XTL OD Test Marker Chan Status FF | 21BE | 1.3.5 | 9 B |
| XTL OD Test Status Reg FF | 21BC | 1.3.5 | 8 C |
| XTL OD Write Pulse Str FF | 22JC | 1.3.5 | 5 C |
| XTL OD Write Reg | 22JD-JW | 1.3.5 | 2-15 B |
| XTL OD Write Reg Full FF | 21BC | 1.3.5 | 7 B |

PART 1

SECTION 2

PU Layout indicating type numbers, logic numbers, and important registers and circuits.

AUXILIARY DRUMS **Unit 20** **PU LAYOUT**



* Logic Layout For Modules A & B shown on page 1-2.5

**ACD READ
SW CANS**

| | |
|-----|-----|
| P2 | P1 |
| P4 | P3 |
| P6 | P5 |
| P8 | P7 |
| P10 | P9 |
| | P11 |

**ACD FIELD SW CANS
FRONT**

| | | | | | | | | |
|----|----|-----|-----|-----|-----|-----|-----|-----|
| P4 | P8 | P12 | P16 | P20 | P24 | P28 | P32 | P36 |
| P3 | P7 | P11 | P15 | P19 | P23 | P27 | P31 | P35 |
| P2 | P6 | P10 | P14 | P18 | P22 | P26 | P30 | P34 |
| P1 | P5 | P9 | P13 | P17 | P21 | P25 | P29 | P33 |

**ACD DRUM
SW CANS**

| | |
|-----|-----|
| P2 | P1 |
| P4 | P3 |
| P6 | P5 |
| P8 | P7 |
| P10 | P9 |
| P12 | P11 |
| P14 | P13 |
| P16 | P15 |
| P18 | P17 |
| P20 | P19 |
| P22 | P21 |
| P24 | P23 |
| P26 | P25 |
| P28 | P27 |
| P30 | P29 |
| P32 | P31 |
| | P33 |

AS SEEN FROM BOTTOM

AS SEEN FROM WIRING SIDE

**AUXILIARY DRUMS
UNIT 20
PU LAYOUT**

| | C | D | E | F | G | H | J | K |
|---|-------|--------|------|------|-------|-------|-------|-------|
| C | 7118 | | 7108 | 7103 | 7125 | 7125 | 7504 | 7111 |
| D | 7130 | | ↑ | 7103 | ↑ | ↑ | ↑ | 7106 |
| E | 7109 | | | 7145 | | | ↓ | 7117 |
| F | ↑ | | | 7145 | | | 7504 | ↑ |
| G | | | | 7168 | | | 7111 | |
| H | | TEST | | 7168 | | | 7106 | |
| J | | PANEL | ↓ | 7168 | | | 7117 | |
| K | | | 7108 | 7508 | | | ↑ | |
| L | | | 7136 | 7142 | | | | |
| M | | | 7249 | 7142 | | | | |
| N | | | 7249 | 7167 | | | | |
| P | | | 7249 | 7132 | | | | ↓ |
| R | | | 7114 | 7147 | | | | 7117 |
| S | | | 7142 | 7157 | | | | 7129 |
| T | | | 7507 | 7139 | | | | 7129 |
| U | | AIR | 7170 | 7152 | | | ↓ | 7129 |
| V | | MODULE | 7122 | 7141 | ↓ | ↓ | 7117 | SPARE |
| W | ↓ | | 7142 | 7151 | 7125 | 7125 | SPARE | ↑ |
| X | 7109 | | 7184 | 7505 | SPARE | SPARE | SPARE | ↓ |
| Y | SPARE | | 7169 | 7506 | SPARE | SPARE | SPARE | SPARE |

Note: For Modules A & B see page 1-2.3

**AUXILIARY DRUMS
UNIT 20
LOGIC LAYOUT**

| | A | B | C | D | E | F | G | H | J | K |
|---|------------|---------|--------------------|---|--------------------|-------------------------------|---------|---------|--|--------------------|
| B | SPARE | SPARE | | | | | | | | |
| C | R15 ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | 1-2.2.2 | 1-2.2.3 1-2.2.1 |
| D | R14 R13 | ↑ | 1-2.2.1 P LS | | 1-2.3.2 | | 1-2.1.1 | 1-2.1.1 | 1-2.2.2 | 1-2.2.3 |
| E | R12 R11 | ↓ | L1 L2 | | ↑ | 1-2.1.1 | | | 1-2.2.2 | 1-2.2.3 |
| F | R10 R9 | 1-2.2.2 | SPARE | | | ↑ | | | 1-2.2.2 1-2.2.1 1-2.2.3 1-2.2.2 | ↑ |
| G | R8 R7 | 1-2.1.2 | L3 L4 | | | | | | 1-2.2.3 | 1-2.2.3 |
| H | R6 R5 | 1-2.1.2 | L5 L6 | | | | | | 1-2.2.3 | 1-2.2.3 |
| J | R4 R3 | 1-2.1.2 | L7 L8 | | | | | | 1-2.2.3 | 1-2.2.3 |
| K | R2 R1 | SPARE | L9 L10 | | | | | | 1-2.2.3 | 1-2.2.3 |
| L | R8 L15 | 1-2.1.2 | L11 L12 | | 1-2.3.2 | 1-2.1.2 1-2.2.1 | | | 1-2.2.3 | 1-2.2.3 |
| M | L14 L13 | ↑ | L13 L14 | | 1-2.3.2 | 1-2.3.2 | | | 1-2.2.3 | 1-2.2.3 |
| N | L12 L11 | ↑ | L15 R8 | | ↑ | ↑ | | | 1-2.2.3 | 1-2.2.3 |
| P | L10 L9 | 1-2.1.2 | R1 R2 | | 1-2.3.2 | 1-2.3.2 | | | 1-2.2.3 | 1-2.2.3 |
| R | L8 L7 | ↑ | R3 R4 | | 1-2.3.2 | 1-2.3.2 | | | 1-2.2.3 | 1-2.2.3 |
| S | L6 L5 | ↑ | R5 R6 | | 1-2.3.2 | 1-2.3.2 | | | 1-2.2.3 | 1-2.2.3 |
| T | L4 L3 | ↑ | R7 R8 | | 1-2.3.2 | 1-2.3.2 | | | 1-2.2.3 | 1-2.2.3 |
| U | L2 L1 | ↑ | R9 R10 | | 1-2.3.2 | 1-2.3.2 | | | 1-2.2.3 | 1-2.2.3 |
| V | LS P | 1-2.2.1 | R11 R12 | | 1-2.3.2 | 1-2.3.2 | | | 1-2.2.3 | 1-2.2.3 |
| W | 1-2.2.2 | 1-2.1.2 | R13 R14 | | 1-2.3.2 | 1-2.1.1 | | | SPARE | SPARE |
| X | | | R15 | | 1-2.3.2 | 1-2.2.2 | SPARE | SPARE | SPARE | SPARE |
| Y | | | SPARE | | 1-2.2.3 1-2.2.1 | 1-2.3.2 1-2.3.3 1-2.2.1 | SPARE | SPARE | SPARE | SPARE |

1-2.6

| | A | B | C | D | E | F | G | H | J | K | L | M | N | P | R |
|---|-------|-------|------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| C | 7156 | 7162 | 7138 | 7101 | SPARE | 7167 | 7103 | 7125 | 7125 | 7111 | 7182 | 7106 | 7149 | 7133 | SPARE |
| D | 7150 | 7121 | ↑ | 7110 | SPARE | 7132 | 7103 | ↑ | ↑ | 7183 | 7552 | 7117 | ↑ | 7106 | SPARE |
| E | 7150 | 7135 | ↑ | 7128 | SPARE | 7147 | 7145 | ↑ | ↑ | 7116 | 7103 | ↑ | ↑ | 7117 | SPARE |
| F | 7107 | 7096 | ↑ | 7100 | 7096 | 7157 | 7145 | ↑ | ↑ | 7114 | 7099 | ↑ | ↑ | ↑ | 7248 |
| G | 7098 | 7179 | ↑ | 7103 | 7142 | 7139 | 7180 | ↑ | ↑ | 7142 | 7166 | ↑ | ↑ | ↑ | 7117 |
| H | 7146 | 7121 | ↑ | 7104 | ↑ | 7152 | 7168 | ↑ | ↑ | 7172 | 7119 | ↑ | ↑ | ↑ | ↑ |
| J | 7121 | 7162 | ↑ | 7101 | ↑ | 7141 | 7178 | ↑ | ↑ | 7105 | 7115 | ↑ | ↑ | ↑ | ↓ |
| K | 7161 | 7121 | ↑ | 7175 | ↑ | 7151 | 7153 | ↑ | ↑ | SPARE | ↑ | ↑ | ↑ | ↑ | 7117 |
| L | 7161 | 7135 | ↑ | 7177 | ↑ | 7096 | 7168 | ↑ | ↑ | 7170 | ↓ | ↑ | ↑ | ↑ | 7749 |
| M | 7161 | S | ↑ | 7134 | ↓ | 7111 | 7158 | ↑ | ↑ | 7122 | 7115 | ↑ | ↑ | ↑ | 7156 |
| N | 7121 | 7144 | ↑ | 7159 | ↓ | 7121 | 7158 | ↑ | ↑ | 7142 | SPARE | ↓ | ↑ | ↑ | 7126 |
| P | SPARE | 7121 | ↑ | 7103 | 7142 | 7146 | 7160 | ↑ | ↑ | 7184 | ↑ | 7117 | ↑ | ↓ | 7152 |
| R | 7171 | 7144 | ↑ | 7103 | 7121 | 7121 | 7160 | ↑ | ↑ | 7108 | ↓ | SPARE | ↑ | 7117 | SPARE |
| S | 7173 | 7121 | ↑ | 7121 | 7143 | 7146 | 7182 | ↑ | ↑ | ↑ | SPARE | 7111 | ↑ | SPARE | ↑ |
| T | 7123 | 7096 | ↑ | 7176 | 7143 | 7121 | 7121 | ↑ | ↑ | ↑ | 7174 | 7148 | ↑ | 7129 | ↑ |
| U | 7143 | 7179 | ↑ | 7110 | 7096 | 7505 | 7121 | ↑ | ↑ | ↑ | 7169 | 7202 | ↓ | 7129 | ↑ |
| V | 7143 | 7121 | ↓ | 7163 | 7096 | 7142 | 7121 | ↑ | ↑ | ↑ | 7136 | SPARE | 7149 | 7129 | ↑ |
| W | 7156 | SPARE | 7138 | 7181 | 7096 | 7111 | 7151 | ↓ | ↓ | ↑ | 7249 | ↑ | 7115 | SPARE | ↑ |
| X | SPARE | 7156 | 7070 | 7100 | 7111 | 7097 | 7684 | ↓ | 7125 | ↓ | 7249 | ↓ | SPARE | SPARE | ↓ |
| Y | SPARE | 7019 | 7012 | 7143 | 7143 | 7142 | 7151 | 7125 | SPARE | 7108 | 7249 | SPARE | 7115 | SPARE | SPARE |

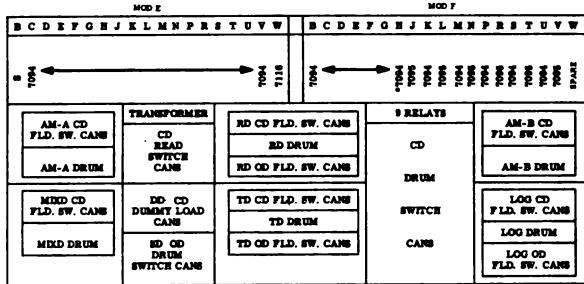
MAIN DRUM
Unit 21
PU LAYOUT

MAIN DRUMS
Unit 21
LOGIC LAYOUT

| | A | B | C | D | E | F | G | H | J | K | L | M | N | P | R |
|---|-------------------------|----------------------------------|-------------------------|----------------|----------------|--|-------------------------|--------------|--------|----------------------------------|--|---------------------------------|--|-------------------------|------------------------------------|
| C | 1.5.3 | 1.3.5 | TD FLD 6 | 1.5.1 | SPARE | 1.2.1 | 1.1.1 | AM-A1 | AM-A2 | 1.7.2 1.8.1 | 1.1.1 1.8.2 1.8.3 | 1.2.3 | S1.6.1 1.2.2 1.8.2 1.4.3 1.5.2 | 1.3.1 1.3.3 1.3.5 | SPARE |
| D | 1.5.3 | 1.3.5 1.7.1 | TD FLD 5 | 1.5.1 1.3.5 | SPARE | 1.2.1 | 1.1.1 | AM-A3 | AM-A4 | 1.7.2 1.8.2 | 1.7.1 1.8.1 | CTR=1024 | 1.5.3 1.8.2 | 1.2.3 1.3.1 | SPARE |
| E | 1.5.3 | 1.7.1 1.3.5 | TD FLD 4 | 1.5.1 1.5.2 | SPARE | S1.6.1 1.2.1 | 1.1.1 | AM-A5 | AM-A6 | 1.7.2 1.8.2 | 1.7.2 1.8.1 | = 512 | | 1.2.3 1.3.1 | SPARE |
| F | 1.4.1 | 1.3.1 1.3.5 1.3.6 | TD FLD 3 | 1.5.1 | 1.1.2 | 1.2.1 | 1.1.1 | AM-B7 | AM-B8 | 1.7.2 1.8.1 | 1.3.1 1.4.1 1.3.6 1.8.1 1.8.2 1.3.1 | = 256 | | 1.2.3 1.3.1 | 1.7.1 |
| G | 1.4.1 | 1.3.1 | TD FLD 2 | 1.5.1 | 1.1.2 | 1.2.1 | 1.1.1 | AM-B9 | AM-B10 | 1.7.2 1.8.1 | 1.7.1 1.8.1 1.8.2 | = 128 | | 1.2.3 1.3.1 | IC OTHER APC CIRCUITS S - 1.6.1 |
| H | 1.4.1 1.3.3 1.8.2 | 1.3.1 1.3.5 1.7.1 | TD FLD 1 | 1.5.1 | 1.1.2 | 1.2.1 | 1.1.1 | AM-B11 | AM-B12 | 1.7.2 | 1.8.1 1.8.2 1.8.3 | (MXD - AMA - AMB) 1.2.3 = 64 | | 1.2.3 1.3.1 | |
| J | 1.4.1 | 1.3.6 | RD FLD 8 | 1.5.2 1.8.2 | 1.1.2 | 1.2.1 | 1.1.1 | LRI-1 | OB-1 | 1.7.1 1.7.2 | 1.8.1 | = 32 | | 1.3.1 | |
| K | 1.4.1 1.7.1 | 1.7.1 1.3.6 | RD FLD 7 | 1.5.1 | 1.1.2 | 1.2.1 1.4.1 1.7.2 | 1.1.1 | LRI-2 | OB-2 | SPARE | 1.8.1 | = 16 | | 1.2.3 1.3.1 | |
| L | 1.4.1 1.7.1 | 1.7.1 1.3.6 | RD FLD 6 | 1.5.1 | 1.1.2 | 1.2.1 S1.6.1 1.3.5 1.7.2 | 1.1.1 | GF1 | OB-3 | 1.1.1 1.2.3 1.7.1 1.7.2 | 1.8.1 | = 8 | | 1.2.3 1.3.1 | 1.2.3 |
| M | 1.4.1 1.7.1 | SPARE | RD FLD 5 | 1.2.1 1.5.1 | 1.1.2 | 1.1.2 1.2.1 1.4.1 1.7.2 | 1.1.1 | X-TELL | MI | 1.7.2 | 1.8.1 | APC COUNTER = 4 | | 1.2.3 1.3.1 | |
| N | 1.4.1 1.7.1 | 1.3.3 | RD FLD 4 | 1.5.1 | 1.1.2 | 1.8.3 1.7.2 | 1.1.1 | SP X-TELL | DD | 1.7.2 1.2.1 | SPARE | = 2 | 1.2.2 | 1.2.3 1.3.1 | 1.8.3 |
| P | SPARE | 1.3.3 1.7.1 | RD FLD 3 | 1.5.1 | 1.1.2 | 1.3.1 1.3.3 1.3.4 1.3.5 1.3.6 | 1.1.1 | SP AM | IC | 1.7.2 | SPARE | = 1 | 1.5.3 1.4.1 1.5.2 | 1.3.1 1.2.3 | SPARE |
| R | 1.4.1 | 1.3.4 1.1.1 | RD FLD 2 | 1.5.1 | 1.1.2 1.5.1 | 1.3.1 1.3.5 1.3.6 | 1.1.1 | TD-1 | TD-2 | LS-L3 | SPARE | SPARE | 1.8.2 | 1.2.3 1.3.1 | SPARE |
| S | 1.4.1 | 1.3.4 1.7.1 1.8.1 | RD FLD 1 | 1.5.1 | 1.1.2 | 1.1.1 1.1.2 1.3.2 1.3.3 1.3.4 1.7.2 | 1.1.1 | TD-3 | TD-4 | L4-L7 | SPARE | 1.5.2 | READ CKTS | SPARE | SPARE |
| T | 1.4.1 | 1.1.2 1.3.2 1.3.3 1.3.4 | RD FLD 9 | 1.5.1 | 1.5.1 | 1.3.2 1.3.3 1.3.4 | 1.1.2 | TD-5 | TD-6 | L8-L11 | 1.2.3 1.3.1 1.3.3 1.3.4 1.3.5 1.3.6 | 1.5.2 | | 1.2.3 | SPARE |
| U | 1.4.1 | 1.3.2 | 1.4.1 | 1.5.1 | 1.1.2 | 1.2.2 | 1.7.2 1.1.2 | RD-1 | RD-2 | L12 L15 | 1.2.1 1.2.3 1.8.2 | 1.2.1 | | 1.2.3 | SPARE |
| V | 1.4.1 | 1.3.2 1.3.6 1.7.1 | 1.4.1 | 1.5.1 | 1.1.2 | 1.7.2 | 1.1.2 1.2.1 | RD-3 | RD-4 | RS-R3 | 1.2.3 1.7.2 1.8.2 | SPARE | | 1.2.3 | SPARE |
| W | 1.1.2 1.4.1 | SPARE | 1.4.1 | 1.5.1 | 1.1.2 | 1.1.2 1.2.1 | 1.1.2 1.2.1 1.7.2 | RD-5 | RD-6 | R4-R7 | 1.2.3 | SPARE | 1.8.2 | SPARE | SPARE |
| X | SPARE | 1.1.2 1.3.4 | 1.2.1 1.5.1 1.5.3 | 1.5.1 | 1.1.2 | 1.1.2 | 1.1.1 | RD-7 | RD-8 | R8-R11 | 1.2.3 | SPARE | SPARE | SPARE | SPARE |
| Y | SPARE | 1.2.1 | 1.1.1 1.2.1 1.7.2 | 1.5.1 | 1.1.2 | 1.1.2 | 1.1.1 1.1.2 1.2.1 | RD-9 | SPARE | R12 R15 | 1.2.3 | SPARE | 1.8.2 | SPARE | SPARE |

1-2.7
1-2.8

MAIN DRUMS
Unit 22
PU LAYOUT



• Unit Wired - PU Not Supplied

**CD RDS.
SW. CANS**

| | |
|------------|------------|
| P2 | P1 |
| P4 | P3 |
| P6 | P5 |
| P8 | P7 |
| P10 | P9 |
| P12 | P11 |

**CD FIELD SW. CANS
FRONT**

| | | | | | | | | |
|----|----|-----|-----|-----|-----|-----|-----|-----|
| P4 | P8 | P12 | P16 | P20 | P24 | P28 | P32 | P36 |
| P3 | P7 | P11 | P15 | P19 | P23 | P27 | P31 | P35 |
| P2 | P6 | P10 | P14 | P18 | P22 | P26 | P30 | P34 |
| P1 | P5 | P9 | P13 | P17 | P21 | P25 | P29 | P33 |

**CD DRUM
SW. CANS**

| | |
|-----|-----|
| P2 | P1 |
| P4 | P3 |
| P6 | P5 |
| P8 | P7 |
| P10 | P9 |
| P12 | P11 |
| P14 | P13 |
| P16 | P15 |
| P18 | P17 |
| P20 | P19 |
| P22 | P21 |
| P24 | P23 |
| P26 | P25 |
| P28 | P27 |
| P30 | P29 |
| P32 | P31 |
| P | P33 |

DD CD DUMMY LOAD CANS

| | |
|------------|------------|
| P14 | P13 |
| P16 | P15 |
| P18 | P17 |
| P20 | P19 |

OD FIELD SW CANS FOR RD, TD & LOG DRUMS

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|----|----|
| P36 | P32 | P28 | P24 | P20 | P16 | P12 | P8 | P1 |
| P35 | P31 | P27 | P23 | P19 | P15 | P11 | P7 | P2 |
| P34 | P30 | P26 | P22 | P18 | P14 | P10 | P6 | P3 |
| P33 | P29 | P25 | P21 | P17 | P13 | P9 | P5 | P4 |

AS SEEN FROM BOTTOM

UNUSED

| | |
|-----|-----|
| P22 | P21 |
|-----|-----|

NOTE: See page 1-2.11 For Logic Layout of Modules E & F.

**SD OD DRUM
SW. CANS**

| | |
|------------|------------|
| P24 | P23 |
| P26 | P25 |
| P28 | P27 |
| P30 | P29 |
| P32 | P31 |
| P | P33 |

AS SEEN FROM WIRING SIDE

1-2.10

Note: See Page 1-2.9 For Modules E & F

| | A | B | C | D | G | H | J | K | L | M | N | P |
|---|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| C | SPARE | 7094 | SPARE | *7094 | 7118 | 7131 | 7130 | 7130 | 7130 | 7130 | 7130 | 7130 |
| D | SPARE | 7509 | 7094 | *7509 | 7130 | 7131 | 7131 | 7131 | 7127 | 7127 | 7131 | 7131 |
| E | 7116 | 7116 | 7116 | 7116 | 7109 | 7131 | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| F | 7094 | 7094 | 7094 | 7094 | ↑ | 7137 | | | | | | |
| G | ↑ | ↑ | ↑ | ↑ | | 7154 | | | | | | |
| H | | | | | | 7131 | | | | | | |
| J | | | | | | ↑ | | | | | ↓ | |
| K | | | | | | ↓ | | | | | 7131 | |
| L | | | | | | | | | | | 7112 | |
| M | | | | | | 7131 | | | | | 7131 | |
| N | | | | | | 7137 | | | | | ↑ | |
| P | | | | | | 7154 | | | | | | |
| R | | | | | | 7131 | | | | | | |
| S | | | | | | SPARE | | | | | | |
| T | | | | | | ↑ | | | | | | |
| U | | | | | | | | | ↓ | | | |
| V | | | | | | | ↓ | ↓ | 7127 | ↓ | | ↓ |
| W | | | | | ↓ | | 7131 | 7131 | SPARE | 7127 | ↓ | 7131 |
| X | ↓ | ↓ | ↓ | ↓ | 7109 | ↓ | 7154 | SPARE | SPARE | 7120 | 7131 | 7154 |
| Y | 7094 | 7094 | 7094 | 7094 | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | 7113 | 7202 |

UNIT WIRED
PU NOT SUPPLIED

MAIN DRUMS
UNIT 22
PU LAYOUT

* PU Not Supplied For C. C.

MAIN DRUMS
Unit 22
LOGIC LAYOUT

| | A | B | C | D | E | F | G | H | J | K | L | M | N | P |
|---|---|---------------------------------------|---------------------------------------|---------------------------------------|----------------|-------------|----------------|-------|-------------------------------------|-----------------------------------|-------|--------|--------------|----------------|
| B | | | | | SPARE | 1.4.1 | | | | | | | | |
| C | SPARE | DRUM READ AMP. 1.3.5 | SPARE | 1.3.6 | R-15 | 1.4.1 | 1.2.1 1.7.2 | 1.4.1 | 1.3.5 | 1.3.1 | 1.3.4 | 1.3.3 | 1.3.2 | * 1.3.6 |
| D | SPARE | | 1.3.1 | 1.3.6 | R-14 R-13 | 1.4.1 | 1.2.1 | 1.4.1 | ↑ P L-S | ↑ P L-S | ↑ P | ↑ L-15 | ↑ P L-S | * ↑ P L-S |
| E | S-1.6.1 | | 1.2.2 1.4.1 | 1.5.2 | R-12 R-11 | 1.3.3 | ↑ P L-S | 1.4.1 | L-1 L-2 | L-1 L-2 | LS | RS | L-1 L-2 | * L-1 L-2 |
| F | ↑ IC OD-IX P | | ↑ P L-S | ↑ P L-S | ↑ P L-S | R-10 R-9 | L-1 L-2 | 1.1.2 | L-3 L-4 | L-3 L-4 | L-1 | R-1 | L-3 L-4 | * L-3 L-4 |
| G | LS L-1 | L-1 L-2 | L-1 L-2 | L-1 L-2 | R-8 R-7 | 1.3.2 | L-3 L-4 | 1.1.2 | L-5 L-6 | L-5 L-6 | L-2 | R-2 | L-5 L-6 | * L-5 L-6 |
| H | L-2 L-3 | L-3 L-4 | L-3 L-4 | L-3 L-4 | R-6 R-5 | * | L-5 L-6 | 1.3.2 | L-7 L-8 | L-7 L-8 | L-3 | R-3 | L-7 L-8 | * L-7 L-8 |
| J | L-4 L-5 | L-5 L-6 | L-5 L-6 | L-5 L-6 | R-4 R-3 | ↑ | L-7 L-8 | 1.3.3 | L-9 L-10 | L-9 L-10 | L-4 | R-4 | L-9 L-10 | * L-9 L-10 |
| K | L-6 L-7 | L-7 L-8 | L-7 L-8 | L-7 L-8 | R-2 R-1 | ↑ | L-9 L-10 | 1.3.4 | L-11 L-12 | L-11 L-12 | L-5 | R-5 | L-11 L-12 | * L-11 L-12 |
| L | L-8 L-9 | L-9 L-10 | L-9 L-10 | L-9 L-10 | R-8 L-15 | 1.1.2 | L-11 L-12 | 1.3.5 | L-13 L-14 | L-13 L-14 | L-6 | R-6 | L-13 L-14 | * L-13 L-14 |
| M | ↑ S-1.6.1 L-10 L-11 | L-11 L-12 | L-11 L-12 | L-11 L-12 | L-14 L-13 | ↑ | L-13 L-14 | 1.3.1 | L-15 R-S | L-15 R-S | L-7 | R-7 | L-13 L-14 | * L-15 R-S |
| N | L-12 L-13 | L-13 L-14 | L-13 L-14 | L-13 L-14 | L-12 L-11 | ↑ | L-15 R-S | 1.1.2 | R-1 R-2 | R-1 R-2 | L-8 | R-8 | L-15 R-S | * R-1 R-2 |
| P | L-14 L-15 | L-15 R-S | L-15 R-S | L-15 R-S | L-10 L-9 | ↑ | R-1 R-2 | 1.1.2 | R-3 R-4 | R-3 R-4 | L-9 | R-9 | R-1 R-2 | * R-3 R-4 |
| R | ↑ DRUM READ AMPLIFIERS R-S R-1 | ↑ DRUM READ AMPLIFIERS R-1 R-2 | ↑ DRUM READ AMPLIFIERS R-1 R-2 | ↑ DRUM READ AMPLIFIERS R-1 R-2 | L-8 L-7 | ↑ | R-3 R-4 | 1.3.6 | ↑ XTAL WRITE REGISTER R-5 R-6 | ↑ MI WRITE REGISTER R-5 R-6 | L-10 | R-10 | R-3 R-4 | * R-5 R-6 |
| S | R-2 R-3 | R-3 R-4 | R-3 R-4 | R-3 R-4 | L-6 L-5 | ↑ | R-5 R-6 | SPARE | R-7 R-8 | R-7 R-8 | L-11 | R-11 | R-5 R-6 | * R-7 R-8 |
| T | R-4 R-5 | R-5 R-6 | R-5 R-6 | R-5 R-6 | L-4 L-3 | ↑ | R-7 R-8 | ↑ | R-9 R-10 | R-9 R-10 | L-12 | R-12 | R-7 R-8 | * R-9 R-10 |
| U | R-6 R-7 | R-7 R-8 | R-7 R-8 | R-7 R-8 | L-2 L-1 | ↑ | R-9 R-10 | ↑ | R-11 R-12 | R-11 R-12 | L-13 | R-13 | R-9 R-10 | * R-11 R-12 |
| V | ↑ IC DRUM READ AMPLIFIERS R-8 R-9 | ↑ DRUM READ AMPLIFIERS R-9 R-10 | ↑ DRUM READ AMPLIFIERS R-9 R-10 | ↑ DRUM READ AMPLIFIERS R-9 R-10 | L-S P | ↑ | R-11 R-12 | ↑ | R-13 R-14 | R-13 R-14 | L-14 | R-14 | R-11 R-12 | * R-13 R-14 |
| W | R-10 R-11 | R-11 R-12 | R-11 R-12 | R-11 R-12 | 1.1.2 1.2.2 | SPARE | R-13 R-14 | ↑ | R-15 | R-15 | SPARE | R-15 | R-13 R-14 | * R-15 |
| X | R-12 R-13 | R-13 R-14 | R-13 R-14 | R-13 R-14 | | | R-15 | ↑ | 1.3.5 | SPARE | SPARE | 1.3.2 | R-15 | * 1.3.6 |
| Y | R-14 R-15 | R-15 | R-15 | R-15 | | | SPARE | SPARE | SPARE | SPARE | SPARE | SPARE | 1.3.2 | * 1.7.3 |

* Unit Wired. PU Not Supplied.

Inputs

PART 2

SECTION 1

FLIP-FLOP - PU, LOGIC and Zone Reference

INPUTS

GFI

| <u>Flip Flops</u> | <u>Even Channels</u> | | | <u>Odd Channels</u> | | |
|-----------------------------|----------------------|--------------|-------------|---------------------|--------------|-------------|
| | <u>PU</u> | <u>Logic</u> | <u>Zone</u> | <u>PU</u> | <u>Logic</u> | <u>Zone</u> |
| - A - | | | | | | |
| Add Range | 34AS | S2.1.2-2 | 14D | 34AM | S2.1.2 | 14D |
| Azimuth | 34A(AA) | S2.1.2-2 | 9A | 34AE | S2.1.2 | 9A |
| Azimuth Sync | 34A(CC) | S2.1.2-2 | 13B | 34AC | S2.1.2 | 13B |
| - C - | | | | | | |
| Channel Ready | 34AT | S2.1.2-2 | 12D | 34AL | S2.1.2 | 12D |
| - M - | | | | | | |
| Missing Azimuth Protection | 34AY | S2.1.2-2 | 8A | 34AF | S2.1.2 | 7A |
| - P - | | | | | | |
| Pulse Shortening | 34AY | S2.1.2-2 | 7A | 34AF | S2.1.2 | 7A |
| - R - | | | | | | |
| Range Control | 34AR | S2.1.2-2 | 15D | 34AN | S2.1.2 | 15D |
| Range Sync | 34AS | S2.1.2-2 | 14D | 34AM | S2.1.2 | 14D |
| Reintensify Delay | 34AS | S2.1.2-2 | 14D | 34AM | S2.1.2 | 14D |
| - S - | | | | | | |
| Shift Drive | 34AT | S2.1.2-2 | 12C | 34AL | S2.1.2 | 12C |
| Spurious Azimuth Alarm | 34A(AA) | S2.1.2-2 | 9A | 34AE | S2.1.2 | 9A |
| Spurious Azimuth Protection | 34AY | S2.1.2-2 | 8B | 34AF | S2.1.2 | 8B |
| - T - | | | | | | |
| Target | 34AT | S2.1.2-2 | 13C | 34AL | 2.1.2 | 13C |
| <u>Common "A"</u> | | | | <u>Common "B"</u> | | |
| - D - | | | | | | |
| Drum Demand | 34JV | 2.1.3 | 14D | 34KV | 2.1.3 | 14A |
| - O - | | | | | | |
| OD-2 Frequency Divider | 34JU | 2.1.3 | 14D | 34KU | 2.1.3 | 14A |
| <u>MDI</u> | | | | | | |
| <u>Direct Entry</u> | | | | | | |
| - G - | | | | | | |
| Gate Break Request | 23BD | 2.2.2 | 2C | | | |
| -R- | | | | | | |
| Reading MDI Core Matrix | 23BC | 2.2.2 | 1C | | | |
| Readout Alarm | 23CW | 2.2.2 | 3B | | | |
| Readout Error | 23CW | 2.2.2 | 3B | | | |
| Register Shift | 23BE | 2.2.2 | 2A | | | |
| -S- | | | | | | |
| Shift Frequency Divider | 23BC | 2.2.2 | 1C | | | |

| | | INPUTS | | | | | | | | |
|----------------------------------|--------------------|---------------------|-------------|-------------------|--------|------|--|-------------------|--------|--|
| | | MDI | | | | | | | | |
| | | <u>Direct Entry</u> | | | | | | | | |
| <u>Flip Flops</u> | <u>FU</u> | <u>Logic</u> | <u>Zone</u> | | | | | | | |
| - A - | | | | | | | | | | |
| ADI Gate & Read | 23DC | 2.2.1 | 15C | | | | | | | |
| ADI Gate & Read | 23DD | 2.2.1 | 15B | | | | | | | |
| ADI Hold | 23DC | 2.2.1 | 14C | | | | | | | |
| ADI Hold | 23DD | 2.2.1 | 14B | | | | | | | |
| - G - | | | | | | | | | | |
| Gate to Drums | 23EH, EF EG, DG | 2.2.1 | 19-21B | | | | | | | |
| - H - | | | | | | | | | | |
| Hold | 23EH, EF EG | 2.2.1 | 19-20B | | | | | | | |
| - L - | | | | | | | | | | |
| Light Gun Core Interlock | 23DJ | 2.2.1 | 17B | | | | | | | |
| Light Gun Sync | 23DG | 2.2.1 | 21A | | | | | | | |
| - M - | | | | | | | | | | |
| MI Register | 23DL-DU 23EL-EU | 2.2.1 | 1-20D | | | | | | | |
| MI Register Ready | 23DK | 2.2.1 | 15B | | | | | | | |
| - S - | | | | | | | | | | |
| Select | 23EH, EF EG, DG | 2.2.1 | 19-21B | | | | | | | |
| - T - | | | | | | | | | | |
| Target Available | 23DJ | 2.2.1 | 17C | | | | | | | |
| XTEL | | | | | | | | | | |
| | | | | <u>Common "A"</u> | | | | <u>Common "B"</u> | | |
| - C - | | | | | | | | | | |
| Clock Alarm | 32HW | A2.3.5 | 10B | 32KW | | | | B2.3.5 | 10B | |
| Clock Time | 32HU-HW | A2.3.5 | 10-13B | 32KU-KW | | | | B2.3.5 | 10-13B | |
| Clock Step, Sync & Reset Control | 32HT | A2.3.5 | 13B-C | 32KT | B2.3.5 | 13C | | | | |
| Clock One's Test | 32HW | A2.3.5 | 10B | 32KW | B2.3.5 | 10B | | | | |
| Clock Parity | 32HV | A2.3.5 | 11B | 32KV | B2.3.5 | 11B | | | | |
| - D - | | | | | | | | | | |
| Drum Demand 2 Inhibit | 32HX | A2.3.5 | 12A | 32KX | B2.3.5 | 12A | | | | |
| Drum Field Selection | 32HX | A2.3.5 | 13A | 32KK | B2.3.5 | 13A | | | | |
| - P - | | | | | | | | | | |
| Pulse Generator | 32GX | A2.3.5 | 8B | 32JX | B2.3.5 | 8B | | | | |
| - R - | | | | | | | | | | |
| Readout Alarm | 32HC | A2.3.5 | 10B | 32KC | B2.3.5 | 10B | | | | |
| - X - | | | | | | | | | | |
| XTL 2/3 & 5/6 | 32GV | A2.3.5 | 8B-C | 32JV | B2.3.5 | 8B-C | | | | |

INPUTS

XTEL

| Flip Flops | Channel Equipment | | | PU | Logic | Zone |
|------------------------|-------------------|--------|-------|----|-------|------|
| | PU | Logic | Zone | | | |
| - A - | | | | | | |
| Address Compare | 32AW | S2.3.2 | 14D | | | |
| - C - | | | | | | |
| Channel Ready | 32AC | S2.3.2 | 15D | | | |
| - F - | | | | | | |
| Fast Shift | 32AG | S2.3.2 | 12C | | | |
| - G - | | | | | | |
| Good Message | 32AU | S2.3.2 | 13D | | | |
| - P - | | | | | | |
| Parity Check (1-5) | 32AV | S2.3.2 | 9-10C | | | |
| Parity Error | 32AU | S2.3.2 | 12D | | | |
| - R - | | | | | | |
| Readout Protection | 32AW | S2.3.2 | 12E | | | |
| Readout & Reset I & II | 32AT | S2.3.2 | 13E | | | |
| - S - | | | | | | |
| Shift Coupler | 32AJ | S2.3.2 | 11D | | | |
| Shift Delay | 32AH | S2.3.2 | 13A | | | |
| Start Readout & Reset | 32AC | S2.3.2 | 15C | | | |
| - T - | | | | | | |
| Timing Sync | 32AE | S2.3.2 | 14A | | | |
| Timing (XTL 1/6) | 32AD | S2.3.2 | 14B | | | |

LRI

| | Common "A" | | | Common "B" | | |
|----------------------------------|-------------------|--------|-------|-------------------|--------|-------|
| | | | | | | |
| - C - | | | | | | |
| Clock Alarm | 41HF | A2.4.6 | 9A | 41WF | B2.4.6 | 9A |
| Clock One's Test | 41HF | A2.4.6 | 9A | 41WF | B2.4.6 | 9A |
| Clock Parity | 41HG | A2.4.6 | 10A | 41WG | B2.4.6 | 10A |
| Clock Sync, Step & Reset Control | 41HJ | A2.4.6 | 12A | 41WJ | B2.4.6 | 12A |
| Clock Time | 41HF-HH | A2.4.6 | 9-11A | 41WF-WH | B2.4.6 | 9-11A |
| - D - | | | | | | |
| Display Time Counter | 41G(AA) -G(CC) | S2.4.5 | 6-8C | 41V(AA) -V(CC) | S2.4.5 | 6-8A |
| Display Time Counter Alarm | 41HN | S2.4.5 | 7D | 41WN | S2.4.5 | 7B |
| Drum Demand 1 & 2 | 41GY | S2.4.5 | 7-8E | 41VY | S2.4.5 | 7-8B |
| - L - | | | | | | |
| LRI 1/2 Level (Ch 1-18) | 41HN | A2.4.6 | 8E | 41FE | B2.4.6 | 8E |
| LRI 1/3 Level (Ch 19-36) | 41UE | A2.4.6 | 8E | 41WN | B2.4.6 | 8E |
| - M - | | | | | | |
| Monitor Display | 41G(AA) | S2.4.5 | 8D | 41V(AA) | S2.4.5 | 8A |

INPUTS

LRI

| <u>Flip Flops</u> | <u>Common "A"</u> | | | <u>Common "B"</u> | | |
|---|---------------------|--------------|-------------|--------------------|--------------|-------------|
| | <u>PU</u> | <u>Logic</u> | <u>Zone</u> | <u>PU</u> | <u>Logic</u> | <u>Zone</u> |
| - P - | | | | | | |
| Pulse Generator | 41HK | A2.4.6 | 10D | 41WK | B2.4.6 | 10D |
| - R - | | | | | | |
| Readout Alarm | 41HN | A2.4.6 | 13E | 41WN | B2.4.6 | 13E |
| - S - | | | | | | |
| Site Time Readout | 41GX | A2.4.6 | 11B | 41VX | B2.4.6 | 11B |
| | <u>Even Channel</u> | | | <u>Odd Channel</u> | | |
| - C - | | | | | | |
| Channel Ready Clear | 41AU | S2.4.2 | 11E | 41AK | S2.4.2 | 11C |
| | 41AY | S2.4.2 | 13D | 41AF | S2.4.2 | 13B |
| - F - | | | | | | |
| Fast Shift | 41AV | S2.4.2 | 11D | 41AJ | S2.4.2 | 11B |
| - L - | | | | | | |
| Last Shift Load Data | 41AV | S2.4.2 | 10D | 41AJ | S2.4.2 | 10B |
| | 41AY | S2.4.2 | 14C | 41AF | S2.4.2 | 14A |
| - M - | | | | | | |
| Message Parity Count | 41AW | S2.4.2 | 13D | 41AH | S2.4.2 | 13B |
| - P - | | | | | | |
| Parity Error | 41AW | S2.4.2 | 13E | 41AH | S2.4.2 | 13C |
| - R - | | | | | | |
| Readout Word 1 & 2 | 41AT | S2.4.2 | 10D | 41AL | S2.4.2 | 10B |
| - S - | | | | | | |
| Start Word Transfer Sync Interval 1 Sync Interval 2 | 41AU | S2.4.2 | 10E | 41AK | S2.4.2 | 10C |
| | 41AV | S2.4.2 | 14E | 41AJ | S2.4.2 | 14B |
| | 41AW | S2.4.2 | 14E | 41AH | S2.4.2 | 14B |
| - T - | | | | | | |
| Time Cycle Time Sync | 41A(AA) | S2.4.2 | 15D | 41AE | S2.4.2 | 15B |
| | 41A(BB) | S2.4.2 | 15E | 41AD | S2.4.2 | 15B |
| - W - | | | | | | |
| Word One Parity Count | 41A(CC) | S2.4.2 | 12E | 41AC | S2.4.2 | 12B |

PART 2

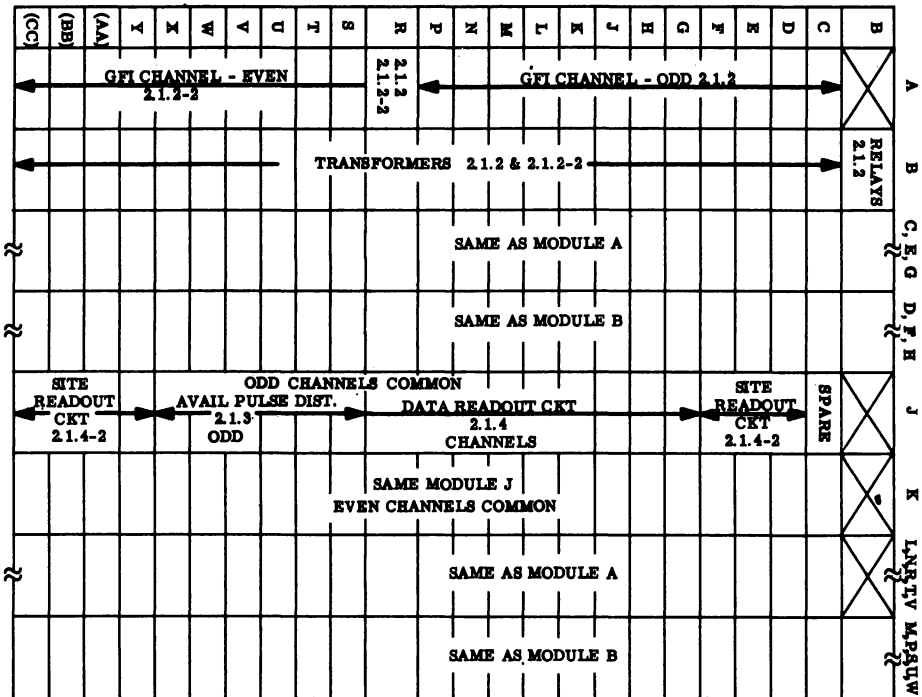
SECTION 2

PU Layout indicating type numbers, logic numbers, and important registers and circuits.

**G. F. I.
UNIT 34
PU LAYOUT**

| | A | B | C, E, G | D, F, H | J | K | L, N, R, T, V | M, P, S, U, W |
|------|------|--------|---------|---------|-------|---|---------------|---------------|
| B | | RELAYS | | | | | | |
| C | 7378 | ↑ | | | SPARE | | | |
| D | 7379 | | | | 7372 | | | |
| E | 7380 | | | | ↑ | | | |
| F | 7381 | | | | | | | |
| G | 7382 | | | | | | | |
| H | 7383 | | | | | | | |
| J | 7387 | | | | | | | |
| K | 7386 | | | | | | | |
| L | 7385 | | | | | | | |
| M | 7384 | | | | | | | |
| N | 7397 | | | | | | | |
| P | 7514 | | | | 7372 | | | |
| R | 7397 | | | | 7374 | | | |
| S | 7384 | | | | 7373 | | | |
| T | 7385 | | | | 7374 | | | |
| U | 7386 | | | | 7375 | | | |
| V | 7387 | | | | 7376 | | | |
| W | 7383 | | | | 7377 | | | |
| X | 7382 | | | | 7396 | | | |
| Y | 7381 | | | | 7515 | | | |
| (AA) | 7380 | | | | 7516 | | | |
| (BB) | 7379 | | | | 7517 | | | |
| (CC) | 7378 | ↓ | | | 7518 | | | |

G.F.I.
UNIT 34
LOGIC LAYOUT



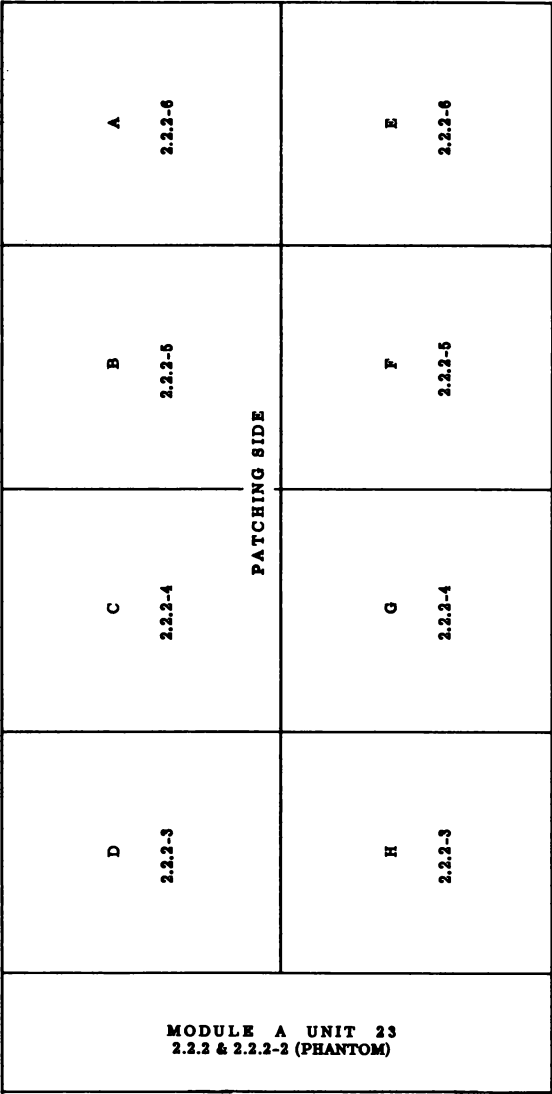
MANUAL DATA INPUT
Unit 23
PU LAYOUT and LOGIC LAYOUT

| | B | C | D | E |
|---|------|-------|-------|-------|
| C | 7235 | 7247 | 7735 | 7190 |
| D | 7236 | ↑ | 7735 | 7738 |
| E | 7234 | | 7740 | 7190 |
| F | 7237 | | 7739 | 7737 |
| G | 7238 | | 7737 | 7737 |
| H | ↑ | | 7191 | 7737 |
| J | | | 7736 | 7191 |
| K | | | 7736 | 7186 |
| L | | | 7187 | 7187 |
| M | | | ↑ | ↑ |
| N | | | | |
| P | | | | |
| R | | | | |
| S | | | | |
| T | | | | |
| U | | 7247 | 7187 | 7187 |
| V | | 7250 | 7194 | SPARE |
| W | | 7245 | SPARE | ↑ |
| X | ↓ | SPARE | SPARE | ↓ |
| Y | 7238 | SPARE | SPARE | SPARE |

| | A | B | C | D | E |
|---|---|-------|---------------|------------|------------|
| C | | 2.2.2 | ↑ LS L1 | 2.2.1 | 2.2.1 |
| D | | ↑ | L2 L3 | ↑ | ↑ |
| E | | ↓ | L4 L5 | | |
| F | | 2.2.2 | L6 L7 | | |
| G | ↑ | ↑ | L8 L9 | | |
| H | | | L10 L11 | | |
| J | | | L12 L13 | ↓ | ↓ |
| K | | | L14 L15 | 2.2.1 | 2.2.1 |
| L | | | RS R1 | LS L1 | L2 L3 |
| M | | | R2 R3 | L4 L5 | L6 L7 |
| N | | | R4 R5 | L8 L9 | L10 L11 |
| P | | | R6 R7 | L12 L13 | L14 L15 |
| R | | | R8 R9 | RS R1 | R2 R3 |
| S | | | R10 R11 | R4 R5 | R6 R7 |
| T | | | R12 R13 | R8 R9 | R10 R11 |
| U | | | R14 R15 | R12 R13 | R14 R15 |
| V | | | 2.2.2 | 2.2.1 | SPARE |
| W | | | 2.2.2 | SPARE | |
| X | | | SPARE | SPARE | |
| Y | ↓ | ↓ | SPARE | SPARE | SPARE |

MI DIRECT ENTRY SECTION — CORE MATRIX
 2.2.2 & 2.2.2-2 (PHANTOM)
 CORE MATRIX SHIFTING CIRCUITS
 2.2.2 & 2.2.2-2 (PHANTOM)
 2.2.2
 SENSE AMP & BLOCKING OSC
 2.2.2-2
 SENSE AMP. & BLOCKING OSC

MDI DIRECT INTERCONNECTION PANELS
Unit 23
LOGIC LAYOUT



**CROSSTELL
UNIT 32
P.U. LAYOUT**

| | *A | *B-F | G | H | J | K | *L-S |
|---|-------|-------------------|-------|-------|------------------|------------------|-------------------|
| C | 7333 | | 7361 | 7728 | | | |
| D | 7334 | | 7360 | SPARE | | | |
| E | 7729 | | 7362 | #SP | | | |
| F | 7314 | | 7362 | #SP | | | |
| G | 7732 | | SPARE | SPARE | | | |
| H | 7337 | | 7689 | 7689 | | | |
| J | 7339 | | 7314 | 7314 | | | |
| K | 7340 | | 7315 | 7724 | | | |
| L | ↑ | *SAME AS MODULE A | 7315 | 7724 | SAME AS MODULE G | SAME AS MODULE H | *SAME AS MODULE A |
| M | ↓ | | 7359 | 7724 | | | |
| N | | | 7690 | 7747 | | | |
| P | 7340 | | 7747 | 7747 | | | |
| R | 7341 | | SPARE | 7747 | | | |
| S | 7342 | | SPARE | 7357 | | | |
| T | 7343 | | 7355 | 7308 | | | |
| U | 7344 | | 7364 | 7309 | | | |
| V | 7345 | | 7365 | 7310 | | | |
| W | 7733 | | 7366 | 7311 | | | |
| X | SPARE | | 7367 | 7731 | | | |
| Y | SPARE | | 7368 | SPARE | | | |

*MCD A-F CHANNELS 1-6

#PU 7726 SUPPLIED ONLY
FOR EXPANDED MODULES

MOD L-S CHANNELS 7-12

**CROSTELL
UNIT 32
LOGIC LAYOUT**

| | A* | *B-F | G | H | J | K | *L-S |
|---|---------|-------------------|-----------------------------------|---|-----------------------------------|---|-------------------|
| C | S-2.3.2 | ⌞ | A-2.3.5 | A-2.3.5 | B-2.3.5 | B-2.3.5 | ⌞ |
| D | S-2.3.2 | | A-2.3.5 | SPARE | B-2.3.5 | SPARE | |
| E | S-2.3.2 | | ↑ SITE CANS ↓ A-2.3.5 | ↑ ↓ | ↑ SITE CANS ↓ B-2.3.5 | ↑ ↓ | |
| F | S-2.3.2 | | | ↓ | | ↓ | |
| G | S-2.3.2 | | A-2.3.5 | SPARE | B-2.3.5 | SPARE | |
| H | ↑ | | ↑ | A-2.3.5 | ↑ | B-2.3.5 | |
| J | ↓ | | | ↑ | | ↑ | |
| K | S-2.3.2 | | | | | | |
| L | S-2.3.2 | *SAME AS MODULE A | | | | | *SAME AS MODULE A |
| M | S-2.3.2 | | | | | | |
| N | ↑ | | | | | | |
| P | | | | | | | |
| R | | | | ↓ | | ↓ | |
| S | | | | A-2.3.5 | | B-2.3.5 | |
| T | | | | ↑ CLOCK REG & CNTRL ↓ A-2.3.5 | | ↑ CLOCK REG & CNTRL ↓ B-2.3.5 | |
| U | | | | | | | |
| V | | | | | | | |
| W | S-2.3.2 | | | | | | |
| X | SPARE | | ↓ | SPARE | ↓ | SPARE | |
| Y | SPARE | ⌞ | A-2.3.5 | SPARE | B-2.3.5 | SPARE | ⌞ |

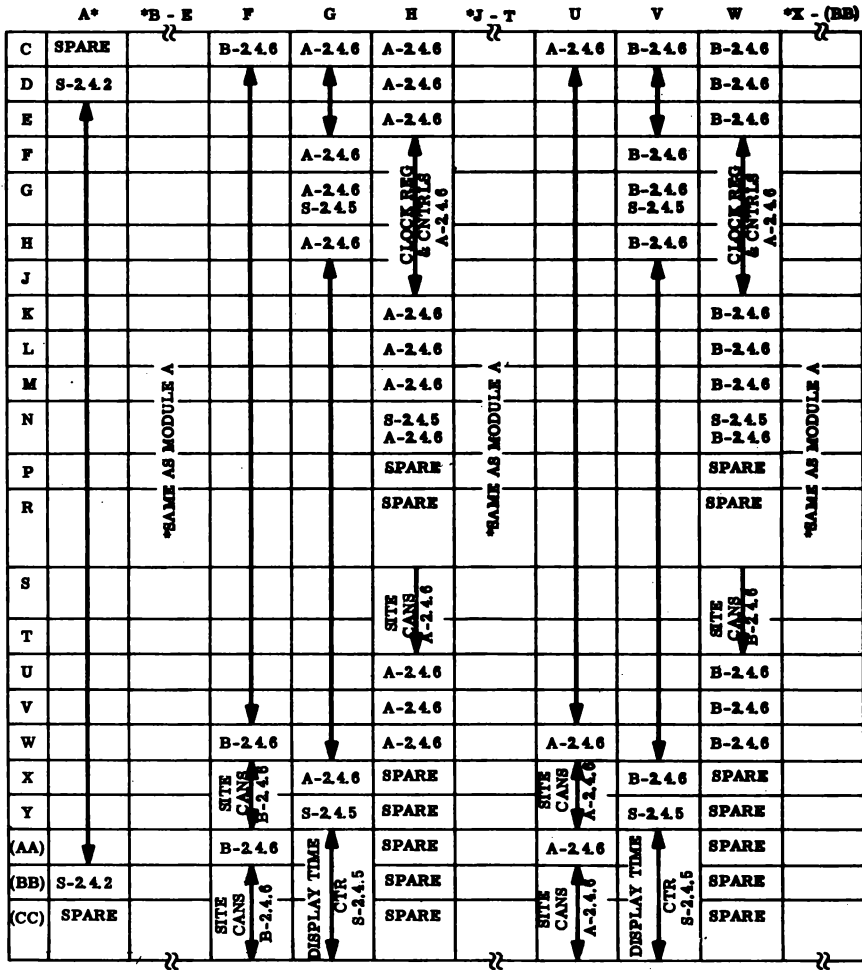
*MODULES A-F CHANNELS 1-6 MODULES L-S CHANNELS 7-12

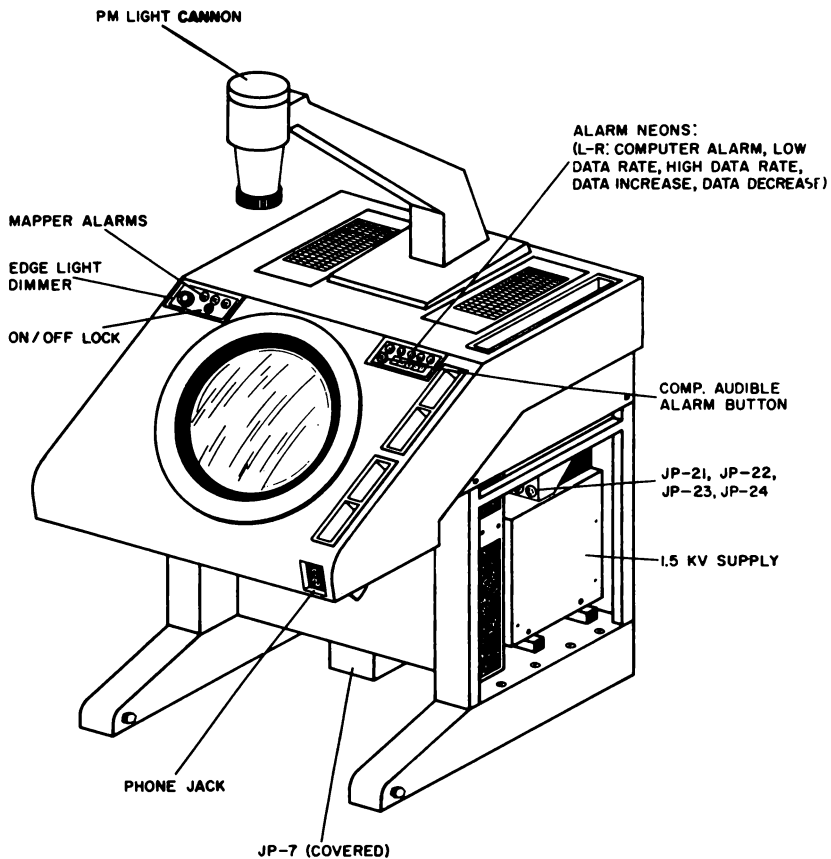
**LRI
UNIT 41
P.U. LAYOUT**

| | A* | *B-E | F | G | H | *J-T | U | V | W | *X-(BB) |
|------|------|-------------------|------|------|-------|-------------------|------|------|-------|-------------------|
| C | 7671 | 72 | 7399 | 7688 | 7688 | 72 | 7399 | 7688 | 7688 | 72 |
| D | 7729 | | 7329 | ↑ | 7688 | | 7329 | ↑ | 7688 | |
| E | 7672 | | 7328 | ↓ | 7688 | | 7328 | ↓ | 7688 | |
| F | 7673 | | 7330 | | 7311 | | 7330 | | 7311 | |
| G | 7675 | | 7331 | 7688 | 7310 | | 7331 | 7688 | 7310 | |
| H | 7674 | | 7330 | 7324 | 7309 | | 7330 | 7324 | 7309 | |
| J | 7676 | | 7331 | 7314 | 7308 | | 7331 | 7314 | 7308 | |
| K | 7677 | | 7330 | 7315 | 7323 | | 7330 | 7315 | 7323 | |
| L | 7678 | *SAME AS MODULE A | 7330 | 7314 | 7321 | *SAME AS MODULE A | 7330 | 7314 | 7321 | *SAME AS MODULE A |
| M | 7306 | | 7331 | 7315 | 7313 | | 7331 | 7315 | 7313 | |
| N | 7307 | | 7330 | 7315 | 7322 | | 7330 | 7315 | 7322 | |
| P | 7296 | | 7331 | 7314 | SPARE | | 7331 | 7314 | SPARE | |
| R | 7307 | | 7330 | 7315 | SPARE | | 7330 | 7315 | SPARE | |
| S | 7306 | | 7330 | 7314 | 7316 | | 7330 | 7314 | 7316 | |
| T | 7678 | | 7331 | 7315 | 7316 | | 7331 | 7315 | 7316 | |
| U | 7677 | | 7330 | 7314 | 7327 | | 7330 | 7314 | 7327 | |
| V | 7676 | | 7398 | 7315 | 7326 | | 7398 | 7315 | 7326 | |
| W | 7674 | | 7399 | 7318 | 7325 | | 7399 | 7318 | 7325 | |
| X | 7675 | | 7400 | 7319 | SPARE | | 7400 | 7319 | SPARE | |
| Y | 7673 | | 7400 | 7320 | SPARE | | 7400 | 7320 | SPARE | |
| (AA) | 7672 | | 7401 | 7317 | SPARE | | 7401 | 7317 | SPARE | |
| (BB) | 7729 | | 7400 | 7321 | SPARE | | 7400 | 7321 | SPARE | |
| (CC) | 7671 | 72 | 7400 | 7532 | SPARE | 72 | 7400 | 7532 | SPARE | 72 |

*MOD A-F CHANNELS 1-10
MOD J-M CHANNELS 11-18
MOD N-T CHANNELS 19-28
MOD X-(BB) CHANNELS 29-36

**LRI
UNIT 41
LOGIC LAYOUT**

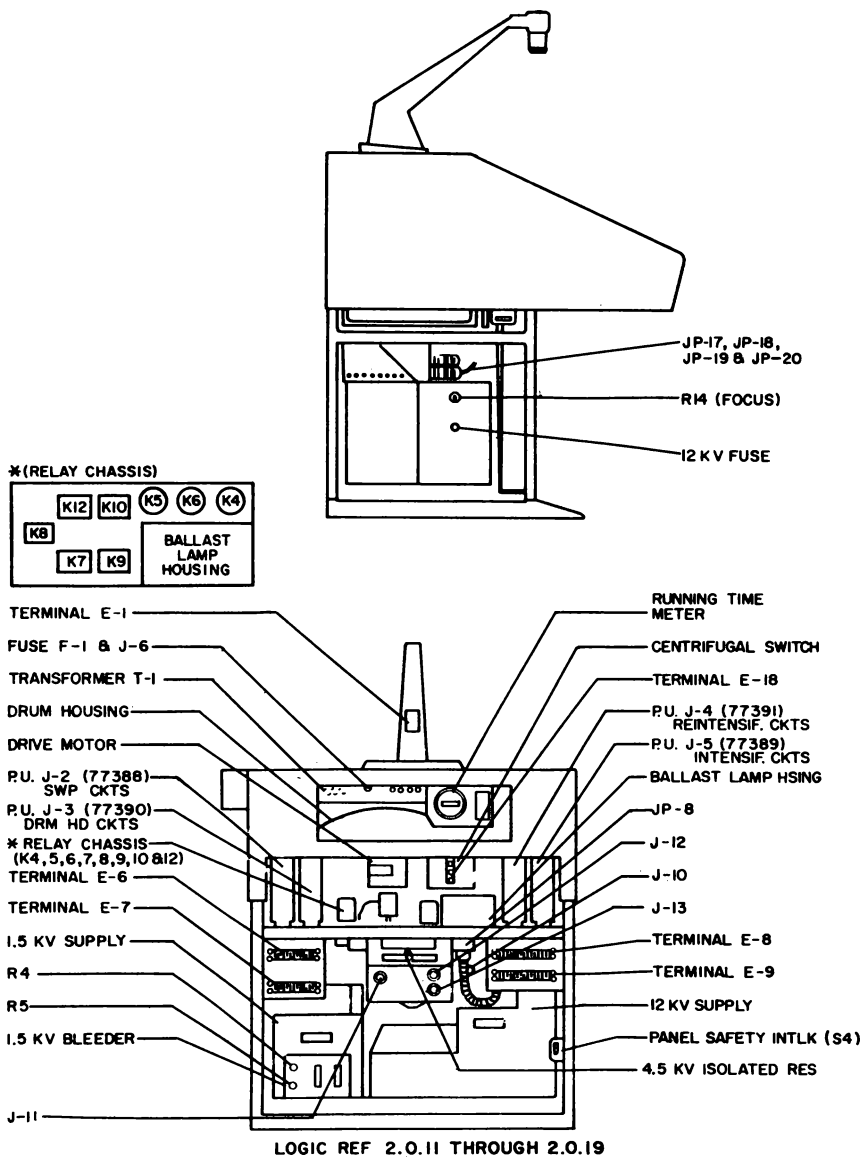




LOGIC REF 2.0.11 THROUGH 2.0.19

GFI MAPPER (Unit 600-617)

2-2.10.



GFI MAPPER (Unit 600-617)

TEST PATTERN GENERATOR
UNIT 92
P. U. LAYOUT AND LOGIC LAYOUT

| | A | B | C |
|----|-------|-------|-------|
| C | 7880 | 7863 | 7880 |
| D | 7864 | 7864 | 7864 |
| E | 7865 | 7865 | 7865 |
| F | BLANK | BLANK | BLANK |
| G | BLANK | BLANK | BLANK |
| H | 7881 | 7763 | 7887 |
| J | 7882 | 7867 | 7882 |
| K | 7863 | 7868 | 7883 |
| L | 7762 | 7765 | 7762 |
| M | 7762 | 7757 | 7762 |
| N | 7762 | 7758 | 7762 |
| P | 7765 | ↑ | 7765 |
| R | BLANK | ↓ | BLANK |
| S | ↑ | 7758 | ↑ |
| T | ↓ | 7782 | ↓ |
| U | ↓ | 7873 | ↓ |
| V | ↓ | 7874 | ↓ |
| W | ↓ | 7759 | ↓ |
| X | ↓ | 7759 | ↓ |
| Y | ↓ | 7760 | ↓ |
| AA | ↓ | 7761 | ↓ |
| BB | ↓ | BLANK | ↓ |
| CC | BLANK | BLANK | BLANK |

| | A | B | C |
|----|--------|--------|--------|
| C | S2.6.1 | S2.6.2 | S2.6.3 |
| D | S2.6.1 | S2.6.2 | S2.6.3 |
| E | S2.6.1 | S2.6.2 | S2.6.3 |
| F | BLANK | BLANK | BLANK |
| G | BLANK | BLANK | BLANK |
| H | S2.6.1 | S2.6.2 | S2.6.3 |
| J | ↑ | ↑ | ↑ |
| K | ↓ | ↓ | ↓ |
| L | ↓ | ↓ | ↓ |
| M | ↓ | ↓ | ↓ |
| N | ↓ | ↓ | ↓ |
| P | S2.6.1 | | S2.6.3 |
| R | BLANK | | BLANK |
| S | ↑ | ↑ | ↑ |
| T | ↓ | ↓ | ↓ |
| U | ↓ | ↓ | ↓ |
| V | ↓ | ↓ | ↓ |
| W | ↓ | ↓ | ↓ |
| X | ↓ | ↓ | ↓ |
| Y | ↓ | ↓ | ↓ |
| AA | ↓ | S2.6.2 | ↓ |
| BB | ↓ | BLANK | ↓ |
| CC | BLANK | BLANK | BLANK |

LRI MONITOR
UNIT 93
P. U. LAYOUT AND LOGIC LAYOUT

| | B | C |
|----|-------|------|
| C | 7766 | 7775 |
| D | 7768 | |
| E | 7774 | 7775 |
| F | 7773 | |
| G | 7768 | 7775 |
| H | 7769 | |
| J | 7767 | 7925 |
| K | 7768 | |
| L | 7768 | 7929 |
| M | 7768 | |
| N | 7768 | |
| P | 7768 | |
| R | 7768 | 7764 |
| S | 7772 | 7930 |
| T | 7771 | 7933 |
| U | 7770 | 7926 |
| V | 7771 | 7926 |
| W | 7770 | 7927 |
| X | 7771 | |
| Y | 7770 | 7927 |
| AA | 7771 | |
| BB | 7770 | 7928 |
| CC | SPARE | 7928 |

| | B | C |
|----|--------------------|---------|
| C | 2.5.1-1 | 2.5.1-1 |
| D | 2.5.1-1 2.5.1-2 | |
| E | 2.5.2-2 | 2.5.1-1 |
| F | 2.5.2-2 | |
| G | 2.5.2-2 | 2.5.1-1 |
| H | 2.5.1-1 | |
| J | ↑ | 2.5.1-1 |
| K | ↓ | |
| L | ↓ | 2.5.1-1 |
| M | ↓ | |
| N | ↓ | |
| P | ↓ | |
| R | ↓ | 2.5.1-1 |
| S | 2.5.1-1 | 2.5.1-1 |
| T | 2.5.1-2 | 2.5.1-1 |
| U | ↑ | 2.5.1-1 |
| V | ↓ | 2.5.1-1 |
| W | ↓ | 2.5.1-1 |
| X | ↓ | |
| Y | ↓ | 2.5.1-1 |
| AA | ↓ | |
| BB | 2.5.1-2 | 2.5.1-1 |
| CC | SPARE | 2.5.1-1 |

Outputs

PART 3

SECTION 1

Alphabetic list of important FF's and pulses by PU location, logic and zone number.

| Flip Flops | PU | Logic | Zone |
|-------------------------------------|---------|---------|--------|
| - B - | | | |
| Burst Count Sel. Ctr. | 42DD-DE | 3.1.2 | 16D-E |
| BTC Control | 42DC | 3.1.2 | 16C |
| BTC Sel. & Read | 42DC | 3.1.2 | 16C |
| - D - | | | |
| Data Pulse Stretcher | 33LM | 3.1.4 | 9B |
| - I - | | | |
| Illegal Address | 42GD | 3.1.1-2 | 13D |
| Illegal Section | 42GD | 3.1.1-2 | 10D |
| Inhibit (G/A, G/G "A" & "B") | 33FP | 3.1.1-3 | 14A-D |
| Inhibit (TTY) | 33EX | 3.1.1-3 | 12D |
| Inhibit G/A TDA & B | 33EX | 3.1.1-3 | 12D |
| - L - | | | |
| LRI Completed Msg. (G/A Test) | 33LF | 3.1.4 | 17-19A |
| Lost Parity Alarm | 42GR | 3.1.1-2 | 8D |
| - M - | | | |
| Master Stop | 42DJ | 3.1.4 | 7D |
| - N - | | | |
| Non-Search Alarm | 42GC | 3.1.1-2 | 13D |
| - O - | | | |
| OB Register (P-L15) | 42AC-AV | 3.1.1 | 3-16A |
| OB Register (R8-R15) | 42BD-BV | 3.1.1-2 | 3-12A |
| OD-13 Pulse Start | 33NN | 3.1.3 | 5B |
| OD-13 Pulse Stop | 42EV | 3.1.3 | 5C |
| OD-13 Single Cycle | 42EU | 3.1.4 | 7C |
| OD-32 Pulse Start | 42EX | 3.1.2 | 5A |
| OD-32 Pulse Stop | 42EX | 3.1.2 | 5A |
| OD-91 Frequency Divider | 42BY | 3.1.3 | 3B |
| OD-91 Pulse Start | 42EV | 3.1.3 | 3B |
| OD-91 Pulse Stop | 42EW | 3.1.3 | 3C |
| OB Register Loading | 42AY | 3.1.1-2 | 2A |
| Output Parity Alarm (G/A, G/G, TTY) | 42GC | 3.1.1-2 | 12-13D |
| Output Parity Generator | 42AX | 3.1.1-2 | 14B |
| Output Parity Alarm G/A-T/D | 42GP | 3.1.1-2 | 13E |
| - P - | | | |
| Parity No-Good | 42GD | 3.1.1-2 | 11D |
| Pause | 33HD | 3.1.4 | 17B |
| - R - | | | |
| Reset & Prime | 42EY | 3.1.3 | 2B |
| Reset & Prime Sync | 42EY | 3.1.3 | 2A |
| Restart to Drums | 42GK | 3.1.1-2 | 1C |
| Restart to Drums Sync | 42GK | 3.1.1-2 | 1C |
| - S - | | | |
| Set Pulse | 33FF | 3.1.1-2 | 13B |
| Single Cycle Outputs | 42DJ | 3.1.4 | 8D |

| Flip Flops | PU | Logic | Zone |
|---------------------------------|---------|-------|--------|
| - T - | | | |
| Test Shift | 42GJ | 3.1.4 | 9C |
| Test Shift Control | 33LM | 3.1.4 | 9B |
| Test Sync Generator | 42GE | 3.1.4 | 17-18D |
| Test Transfer | 42GF | 3.1.4 | 13B |
| Test Transfer Delay | 42GF | 3.1.4 | 13B |
| Test Word Generator | 42GL | 3.1.4 | 14C |
| G/A | | | |
| - A - | | | |
| Auto Busy Bit | 33LD | 3.2.1 | 11C |
| - B - | | | |
| Burst Time Counter | 42EC-EE | 3.1.2 | 9-11B |
| - E - | | | |
| Elapsed Time Counter | 42DV-DW | 3.1.2 | 5B |
| - O - | | | |
| Output Data & Sync. Chan #1 | 33NK | 3.2.1 | 6D-E |
| Output Data & Sync. Chan #2 | 33NL | 3.2.1 | 6D |
| Output Parity Counters 1 & 2 | 33LJ | 3.2.1 | 12D |
| Output Shift | 33HH | 3.2.1 | 12A |
| - S - | | | |
| Search | 33LC | 3.2.1 | 9D |
| Shift Control | 33LD | 3.2.1 | 11C |
| Skip Pulse | 33LC | 3.2.1 | 9D |
| 13 Counter Shift | 33LH | 3.2.1 | 4B |
| 25 Counter Shift | 33HC | 3.2.1 | 10B |
| 25 Counter Carry | 33LH | 3.2.1 | 4B |
| G/G | | | |
| - B - | | | |
| Burst Time Counter | 42EF-EJ | 3.1.2 | 12-16B |
| - C - | | | |
| Completed Msg. Control Chan FFs | 33LL | 3.2.2 | 9D-E |
| Completed Msg. Shift Gen. | 33LW | 3.2.2 | 7D |
| 19 Counter Carry | 33JM | 3.2.2 | 8A |
| - O - | | | |
| Output Data & Sync | 33NP-NU | 3.2.2 | 4C-E |
| Output Parity Counters | 33LX | 3.2.2 | 6D |
| Output Shift | 33HX | 3.2.2 | 8C |
| - P - | | | |
| Phase | 33KM | 3.2.2 | 19B |
| - S - | | | |
| Search | 33LP | 3.2.2 | 7C |
| Shift Controls | 33LP | 3.2.2 | 7C |
| 5 Counter Shift | 33LR | 3.2.2 | 5A |
| 19 Counter Shift | 33JM | 3.2.2 | 8A |

| Flop Flops | PU | Logic TTY | Zone |
|-----------------------------|---------|--------------|------|
| - B - | | | |
| Burst Time Counter | 42EK-EM | 3.1.2 | 6-8B |
| - H - | | | |
| High Speed Shift Control | 33KJ | 3.2.3 | 5B |
| High Speed Shift Pulse Gen. | 33KJ | 3.2.3 | 6B |
| - O - | | | |
| Output Data | 33MC-MR | 3.2.3 | 5C-E |
| Output Parity Counter | 33KC-KG | 3.2.3 | 8C-E |
| O8R Shift | 33GC | 3.2.3 | 7C |
| - S - | | | |
| Search | 33KJ | 3.2.3 | 3B |
| 51 Counter Shift | 33JS | 3.2.3 | 4A |

PART 3

SECTION 2

**PU Layout indicating type numbers,
logic numbers and important
registers and circuits.**

**OUTPUT STORAGE
UNIT 33
P.U. LAYOUT**

| | F | G | H | J | K | L | M | N |
|---|-------|---------------|----------------|-------|-------|-------|-------|-------|
| C | 7429 | 7558 | *7464 | *7470 | 7407 | *7462 | 7484 | SPARE |
| D | 7429 | 7486 | 7455 | *7468 | ↑ | *7463 | 7496 | ↑ |
| E | 7429 | ↑ | 7440 | *7468 | ↓ | *7466 | | ↓ |
| F | 7430 | ↓ | *7460 | *7469 | ↓ | *7601 | 7484 | ↓ |
| G | 7429 | ↓ | *7460 | 7481 | 7407 | 7465 | 7496 | SPARE |
| H | 7429 | 7486 | 7555 | 7480 | 7406 | *7467 | | 7695 |
| J | 7429 | 7554 | *7554 | ↑ | 7488 | 7631 | 7484 | 7695 |
| K | 7693 | 7554 | *7554 | ↓ | 7700 | 7409 | 7496 | *7695 |
| L | 7693 | 7554 | *7554 | 7480 | SPARE | 7484 | | *7695 |
| M | 7693 | 7694 ARRAY | *7694 ARRAY | 7557 | 7495 | 7446 | 7484 | 7414 |
| N | 7553 | SPARE | 7694 ARRAY | 7554 | SPARE | 7478 | 7496 | 7428 |
| P | 7441 | ↑ | 7694 ARRAY | 7554 | SPARE | 7477 | | 7695 |
| R | 7553 | ↓ | 7554 | 7554 | 7630 | 7479 | 7484 | ↑ |
| S | SPARE | | 7554 | 7449 | SPARE | 7485 | 7496 | |
| T | *7553 | ↓ | 7554 | 7697 | ↑ | 7485 | | ↓ |
| U | 7553 | SPARE | 7475 | 7696 | | 7485 | SPARE | 7695 |
| V | 7553 | 7644 | 7475 | 7696 | | 7500 | ↑ | 7653 |
| W | 7553 | 7639 | 7556 | 7696 | | 7501 | | 7653 |
| X | SPARE | 7645 | 7502 | 7696 | ↓ | 7632 | ↓ | 7652 |
| Y | SPARE | SPARE | 7700 | 7494 | SPARE | 7700 | SPARE | 7609 |

* Not supplied for DC-16 & higher

NOTE: Modules D & E shown on page 3-2.4 under BOMARC 1 section

**OUTPUT STORAGE
UNIT 33
LOGIC LAYOUT**

| | F | G | H | J | K | L | M | N |
|---|---------|-------|----------------|-------|--|----------------|---|-------|
| C | 3.1.1-2 | 3.2.3 | 3.2.1 | 3.2.1 | TTY OUTPUT PARITY CTR FF's 3.2.3 | 3.2.1 | | SPARE |
| D | 3.1.1-2 | 3.2.3 | 3.1.4 3.2.3 | 3.2.1 | | 3.2.1 | 3.2.3 TTY LINE REGISTERS & RELAY DRIVERS | SPARE |
| E | 3.1.1-2 | 3.2.3 | 3.2.1 3.2.2 | 3.2.1 | | 3.2.1 | | SPARE |
| F | 3.1.1-2 | 3.2.3 | 3.2.1 | 3.2.1 | | 3.1.4 | | SPARE |
| G | 3.1.1-2 | 3.2.3 | 3.2.1 | 3.2.2 | | 3.2.1 | | SPARE |
| H | 3.1.1-2 | 3.2.3 | 3.2.1 | 3.2.2 | 3.2.3 | 3.2.1 3.1.4 | | 3.2.5 |
| J | 3.1.1-2 | 3.2.3 | 3.2.1 | 3.2.2 | 3.2.3 | 3.2.1 | | 3.2.5 |
| K | 3.1.1-3 | 3.2.3 | 3.2.1 | 3.2.2 | 3.1.3 | 3.1.3 | | 3.2.1 |
| L | 3.1.1-3 | 3.2.3 | 3.2.1 | 3.2.2 | SPARE | 3.2.2 | | 3.2.1 |
| M | 3.1.1-3 | 3.2.3 | 3.2.1 | 3.2.2 | 3.2.2 | 3.1.3 3.1.4 | | 3.1.3 |
| N | 3.1.1-3 | SPARE | 3.2.1 | 3.2.2 | SPARE | 3.2.2 | | 3.1.3 |
| P | 3.1.1-3 | SPARE | 3.2.1 | 3.2.2 | SPARE | 3.2.2 | | 1 |
| R | 3.1.1-3 | SPARE | 3.2.2 | 3.2.2 | 3.1.4 | 3.2.2 | | 2 |
| S | 3.1.1-3 | SPARE | 3.2.2 | 3.2.3 | SPARE | 3.2.2 | | 3 |
| T | 3.1.1-3 | SPARE | 3.2.2 | 3.2.3 | SPARE | 3.2.2 | | 4 |
| U | 3.1.1-3 | SPARE | 3.2.2 | 3.2.3 | SPARE | 3.2.2 | SPARE | 5 |
| V | 3.1.1-3 | 3.2.5 | 3.2.2 | 3.2.3 | SPARE | 3.2.2 | SPARE | 3.1.4 |
| W | 3.1.1-3 | 3.2.5 | 3.2.2 | 3.2.3 | SPARE | 3.2.2 | SPARE | 3.1.4 |
| X | SPARE | 3.2.5 | 3.2.2 | 3.2.3 | SPARE | 3.2.2 | SPARE | 3.1.4 |
| Y | SPARE | SPARE | 3.2.2 | 3.2.3 | SPARE | 3.2.2 | SPARE | 3.1.4 |

See page 3-2.2 for P. U.'s not supplied for DC-16 & higher.

**OUTPUT STORAGE FRAME 33
BOMARC 1**

PU LAYOUT

| | C | D | E |
|---|--|---|---|
| | 25 Counter BO: OSR Flux Amp. Core Array | 15 Counter 17 Counter T. D. OSR T. D. Flux Amp. | T. D. Arrays Reset & Inhibit Drivers |
| | 9 | 9 | 9 |
| C | SPARE | SPARE | SPARE |
| D | SPARE | SPARE | SPARE |
| E | SPARE | 77644 | SPARE |
| F | 77631 | 77640 | 77647 |
| G | 77460 | 77648 | 77636 |
| H | 77460 | 77648 | 77649 |
| J | 77554 | 77638 | 77495 |
| K | 77554 | 77638 | SPARE |
| L | 77554 | 77638 | SPARE |
| M | 77629 | 77554 | #77629 |
| N | 77637 | 77554 | #77629 |
| P | SPARE | 77636 | SPARE |
| R | SPARE | 77636 | *77553 |
| S | SPARE | 77642 | *77553 |
| T | SPARE | 77641 | SPARE |
| U | SPARE | SPARE | 77553 |
| V | 77469 | *77558 | 77553 |
| W | 77468 | *77462 | 77553 |
| X | 77468 | *77464 | 77441 |
| Y | 77470 | *77463 | SPARE |

**OUTPUT STORAGE FRAME 33
BOMARC 2**

PU LAYOUT

| C | D | E |
|---|---|---|
| 25 Counter BO: OSR Flux Amp. Core Arrays | 15 Counter 17 Counter T. D. OSR T. D. Flux Amp. | T. D. Arrays Reset & Inhibit Drivers |
| 9 | 9 | 9 |
| SPARE | SPARE | SPARE |
| SPARE | SPARE | SPARE |
| 77631 | 77644 | SPARE |
| 77631 | 77640 | 77647 |
| 77460 | 77648 | 77636 |
| 77460 | 77648 | 77649 |
| 77554 | 77638 | 77495 |
| 77554 | 77638 | SPARE |
| 77554 | 77638 | SPARE |
| 77629 | 77554 | 77629 |
| 77629 | 77554 | 77629 |
| 77554 | 77636 | SPARE |
| 77554 | 77636 | 77553 |
| 77554 | 77642 | 77553 |
| 77460 | 77641 | 77553 |
| 77460 | SPARE | 77553 |
| 77469 | 77558 | 77553 |
| 77468 | 77462 | 77553 |
| 77468 | 77464 | 77441 |
| 77470 | 77463 | SPARE |

* Spare PU For Non-Bomarc Sites

PU 7694 Supplied For Non-Bomarc sites

OUTPUT STORAGE UNIT #33
BOMARC 1
LOGIC LAYOUT

| | C | D | E |
|---|-------|----------------|---------|
| C | SPARE | SPARE | SPARE |
| D | SPARE | SPARE | SPARE |
| E | SPARE | 3.1.4 3.2.5 | SPARE |
| F | 3.2.6 | 3.1.4 3.2.5 | |
| G | ↑ | 3.1.4 3.2.5 | |
| H | ↓ | 3.2.5 | |
| J | | ↑ | |
| K | ↓ | | SPARE |
| L | 3.2.6 | | SPARE |
| M | ARRAY | | ARRAY |
| N | DUMMY | | ARRAY |
| P | SPARE | | SPARE |
| R | ↑ | | 3.1.1-3 |
| S | ↓ | | 3.1.1-3 |
| T | ↓ | 3.2.5 | SPARE |
| U | SPARE | SPARE | 3.1.1-3 |
| V | 3.2.6 | 3.1.3 3.2.6 | 3.1.1-3 |
| W | 3.2.6 | 3.2.6 | 3.1.1-3 |
| X | 3.2.6 | 3.2.6 | 3.1.1-3 |
| Y | 3.2.6 | 3.1.3 | 3.1.1-3 |

OUTPUT STORAGE UNIT #33
BOMARC 2
LOGIC LAYOUT

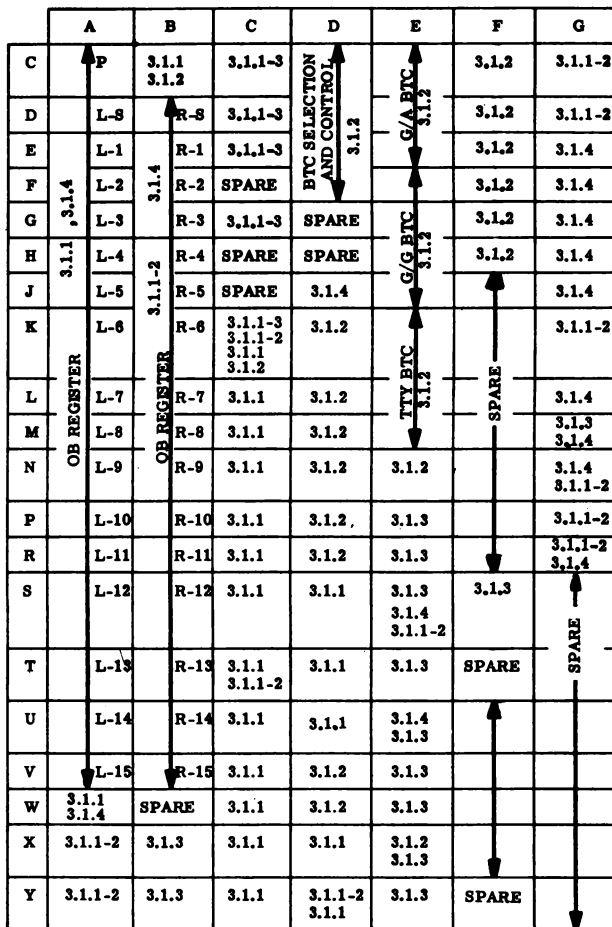
| C | D | E |
|-------|----------------|----------------|
| SPARE | SPARE | SPARE |
| SPARE | SPARE | SPARE |
| 3.2.6 | 3.1.4 3.2.5 | SPARE |
| ↑ | 3.1.4 3.2.5 | 3.1.3 3.2.5 |
| | 3.1.4 3.2.5 | 3.2.5 |
| | 3.2.5 | 3.1.3 3.2.5 |
| | ↑ | 3.2.5 |
| ↓ | | SPARE |
| 3.2.6 | | SPARE |
| ARRAY | | ARRAY |
| ARRAY | | ARRAY |
| 3.2.6 | | SPARE |
| ↑ | | 3.1.1-3 |
| | ↓ | 3.1.1-3 |
| | 3.2.5 | 3.1.1-3 |
| | SPARE | 3.1.1-3 |
| | 3.1.3 3.2.6 | 3.1.1-3 |
| | 3.2.6 | 3.1.1-3 |
| ↓ | 3.2.6 | 3.1.1-3 |
| 3.2.6 | 3.1.3 3.2.6 | 3.1.1-3 |

**OUTPUT CONTROL
UNIT 42
P.U. LAYOUT**

| | A | B | C | D | E | F | G |
|---|------|-------|-------|-------|-------|-------|-------|
| C | 7421 | 7422 | 7650 | 7403 | *7473 | 7473 | 7447 |
| D | ↑ | 7421 | 7434 | 7404 | * ↑ | 7473 | 7561 |
| E | ↓ | ↑ | 7435 | 7405 | * | 7473 | *7454 |
| F | ↓ | ↓ | SPARE | 7456 | ↓ | 7473 | 7564 |
| G | ↓ | ↓ | 7435 | SPARE | ↓ | 7472 | 7451 |
| H | ↓ | ↓ | SPARE | SPARE | ↓ | 7422 | 7451 |
| J | ↓ | ↓ | SPARE | 7443 | ↓ | ↑ | 7453 |
| K | ↓ | ↓ | 7646 | 7408 | ↓ | ↓ | 7699 |
| L | ↓ | ↓ | 7423 | ↑ | ↓ | SPARE | 7565 |
| M | ↓ | ↓ | 7423 | ↓ | 7473 | ↓ | 7457 |
| N | ↓ | ↓ | 7424 | ↓ | 7472 | ↓ | 7457 |
| P | ↓ | ↓ | 7424 | * ↓ | 7418 | ↓ | 7447 |
| R | ↓ | ↓ | 7425 | *7408 | 7413 | ↓ | 7643 |
| S | ↓ | ↓ | 7420 | 7436 | 7412 | 7643 | SPARE |
| T | ↓ | ↓ | ↑ | *7559 | 7410 | SPARE | ↑ |
| U | ↓ | ↓ | ↓ | 7436 | ↓ | ↑ | ↓ |
| V | 7421 | 7421 | ↓ | *7474 | 7417 | ↓ | ↓ |
| W | 7634 | SPARE | ↓ | *7474 | 7417 | ↓ | ↓ |
| X | 7651 | 7415 | ↓ | 7439 | 7411 | ↓ | ↓ |
| Y | 7633 | 7454 | 7420 | 7560 | 7411 | SPARE | SPARE |

* Not Supplied DC-16 & Higher

**OUTPUT CONTROL
UNIT 42
LOGIC LAYOUT**



Displays

PART 4

SECTION 1

**Alphabetic list of FF's and pulses by
PU location, logic and zone number**

SD

-A-

| | PU | LOGIC | ZONE |
|-----------------------|------------|-------------|------|
| Allow Light Gun _____ | 24LR _____ | 4.1.4 _____ | 2 C |

-B-

| | | | |
|----------------------|------------|--------------|-----|
| Bypass Feature _____ | 24JV _____ | 4.1.20 _____ | 8 C |
|----------------------|------------|--------------|-----|

-C-

| | | | |
|--------------------------------------|----------------|----------------|---------|
| Category Register _____ | 24JJ, KJ _____ | 4.1.7 _____ | 6-8 C |
| Character Positioning Ctr _____ | 24BR-B8 _____ | 4.1.11 _____ | 15-18 D |
| Character Register (X Sel Reg) _____ | 24CN-CR _____ | 4.1.10 _____ | 4-11 E |
| Character Register (Y Sel Reg) _____ | 24CS-CU _____ | 4.1.10-2 _____ | 4-11 E |
| Conditional Blank Pulse _____ | 24KX _____ | 4.1.20 _____ | 13 E |
| Conditional Sample Pulse _____ | 24LV _____ | 4.1.20 _____ | 17 D |
| Conditional Unblank Pulse _____ | 24KX _____ | 4.1.20 _____ | 13 E |

-D-

| | | | |
|-----------------------|------------|--------------|-----|
| Display _____ | 24HJ _____ | 4.1.7 _____ | 9 C |
| Drum Read (WOW) _____ | 24MT _____ | 4.1.21 _____ | 9 B |

-F-

| | | | |
|---------------------|------------|--------------|------|
| Focus-Defocus _____ | 24LY _____ | 4.1.20 _____ | 11 E |
|---------------------|------------|--------------|------|

-I-

| | | | |
|----------------------|------------|--------------|------|
| Intensify _____ | 24LY _____ | 4.1.20 _____ | 12 E |
| Info/Track MSG _____ | 24KT _____ | 4.1.2 _____ | 5 C |

-O-

| | | | |
|----------------------------|------------|--------------|------|
| OD Pulse Distributor _____ | 24MU _____ | 4.1.20 _____ | 18 B |
| ON-OFF Control _____ | 24MU _____ | 4.1.20 _____ | 18 B |

- P -

| | | | |
|----------------|------------|-------------|-----|
| Position _____ | 24LS _____ | 4.1.5 _____ | 2 C |
|----------------|------------|-------------|-----|

-R-

| | | | |
|---------------------------|------------|--------------|-------|
| Radar Category FF's _____ | 24MS _____ | 4.1.21 _____ | 3-4 B |
| RD/TD _____ | 24MT _____ | 4.1.21 _____ | 9 B |

-S-

| | | | |
|------------------------|------------|--------------|---------|
| Symbol Sequencer _____ | 24HX _____ | 4.1.19 _____ | 18-21 B |
|------------------------|------------|--------------|---------|

-T-

| | | | |
|----------------------|------------|--------------|---------|
| Tab-Vector Mag _____ | 24FT _____ | 4.1.2 _____ | 5 C |
| Timer _____ | 24LY _____ | 4.1.20 _____ | 15-16 C |

-V-

| | | | |
|----------------------|------------|--------------|------|
| Vector Control _____ | 24AS _____ | 4.1.20 _____ | 14 E |
|----------------------|------------|--------------|------|

-V- (Cont'd)

| | PU | LOGIC | ZONE |
|-----------------------------|---------|----------|--------|
| Vector Bypass for Track MEG | 24KV | 4.1.20 | 7 C |
| Vector Register | 24AM-AS | 4.1.12 | 1-15 E |
| Vector Intensity Generator | 24BP | 4.1.12-2 | 3 C |

-W-

| | | | |
|---------------------------|--|-------|--------|
| Word 0 Storage | | 4.1.2 | 2-8 C |
| Word 1 Storage (X, Y Reg) | | 4.1.6 | 2-21 E |
| Word 2 Storage (DAB) | | 4.1.7 | 2-11 C |
| Word 3 Storage (DAB) | | 4.1.8 | 2-11 C |
| Word 4 Storage (DAB) | | 4.1.9 | 1-8 C |
| Word 5 Storage | | 4.1.3 | 2-14 B |
| Word 6 Storage | | 4.1.4 | 2-11 C |
| Word 7 Storage | | 4.1.5 | 2-13 B |

SD Camera Control

-C-

| | | | |
|---------------|------|-------|-----|
| Counter | 25AD | 4.6.1 | 2 B |
| Completion FF | 25AE | 4.6.1 | 8 B |

-I-

| | | | |
|-----------|------|-------|-----|
| Intensify | 25AE | 4.6.1 | 5 D |
| Interlock | 25AD | 4.6.1 | 8 B |

-M-

| | | | |
|----------------|------|-------|-----|
| Mode Requested | 25AD | 4.6.1 | 7 B |
| Mode Selected | 25AE | 4.6.1 | 7 D |

-O-

| | | | |
|---------------------|------|-------|-----|
| Operation & Gate FF | 25AD | 4.6.1 | 7 B |
|---------------------|------|-------|-----|

DD

-C-

| | | | |
|-------------------------------------|---------|-------|--------|
| Character Counting | 25AP | 4.3.5 | 8-9 C |
| Character Positioning | 25DP | 4.3.5 | 8-9 A |
| Character Storage and Character Reg | 25BN-BR | 4.3.4 | 1-11 B |
| | 25CN-CR | | |
| Character Timing and Intensify | 25AG-AJ | 4.3.2 | 6B-8B |
| Contrast Ctr | 25CK-CM | 4.3.2 | 2D-4D |
| Contrast Gate Gen | 25CM | 4.3.2 | 2D |
| Control Bit Storage | 25BH | 4.3.2 | 5A |

-D-

| | | | |
|-----------|----------|-------|-------|
| Delay Ctr | 25BH, CJ | 4.3.2 | 8D-9D |
|-----------|----------|-------|-------|

-E-

| | PU | LOGIC | ZONE |
|----------------|------|-------|------|
| Erase Control | 25BH | 4.3.2 | 7 D |
| Erase Gate Ctr | 25CK | 4.3.2 | 5 D |
| Erase Gate Gen | 25CK | 4.3.2 | 5 D |

-I-

| | | | |
|--------------------|------|-------|-----|
| Intensify Gate Gen | 25AG | 4.3.2 | 8 B |
| Intensify Control | 25AP | 4.3.2 | 6 B |

-O-

| | | | |
|----------------|------|-------|------|
| ON-OFF Control | 25AJ | 4.3.2 | 10 D |
|----------------|------|-------|------|

-P-

| | | | |
|-----------|------|-------|------|
| Phase Ctr | 25AJ | 4.3.2 | 11 B |
|-----------|------|-------|------|

-S-

| | | | |
|----------|----------|-------|-----|
| Slot Ctr | 25CJ, DK | 4.3.3 | 9 C |
|----------|----------|-------|-----|

Display Tester

| | | | |
|------------------|------|-------|---------|
| OD Pulse Dist | 25EW | 4.5.1 | 10-11 B |
| DD Word Control | 25EX | 4.5.1 | 7 E |
| DD Initial Delay | 25ET | 4.5.1 | 10 C |
| TD Word Sync | 25EX | 4.5.1 | 8 E |
| Word Sequence | 25ET | 4.5.1 | 1-4 B |
| SD Word Control | 25EW | 4.5.1 | 11 B |
| End Test Control | 25EX | 4.5.1 | 8 E |

PHOTOGRAPHIC RECORDER REPRODUCER

- R -

| | | |
|--------------------------------|-------|--------|
| Request Display Gate Generator | 4.8.3 | 15-B-D |
|--------------------------------|-------|--------|

PART 4

SECTION 2

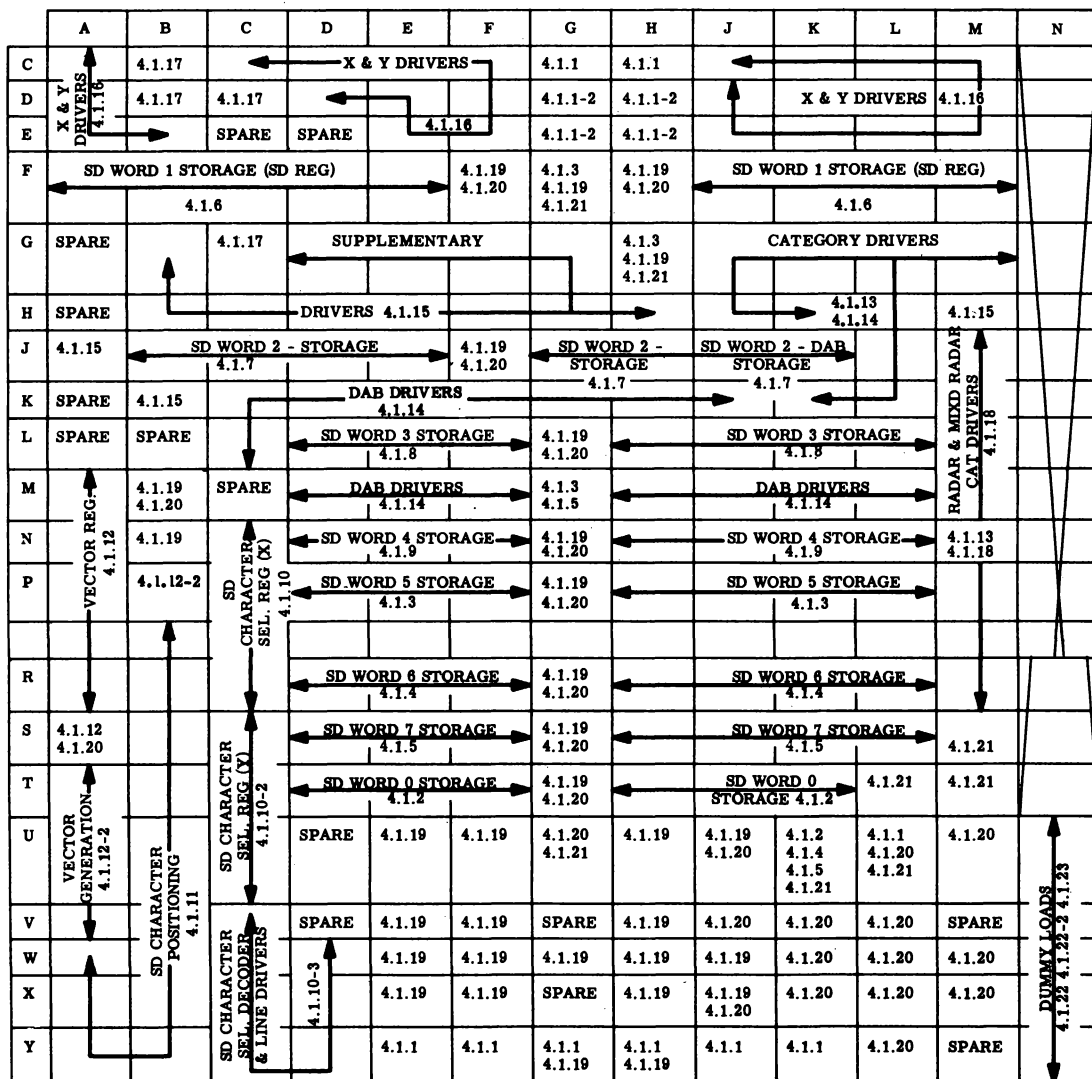
**PU Layout indicating type numbers, logic
numbers registers and circuits.**

4-2.2

| | A | B | C | D | E | F | G | H | J | K | L | M | N |
|---|-------|-------|-------|-------|------|------|-------|------|------|------|------|-------|------|
| C | 7260 | 7270 | 7261 | 7261 | 7261 | 7261 | 7277 | 7277 | 7260 | 7261 | 7261 | 7261 | |
| D | 7260 | 7951 | 7951 | 7261 | 7261 | 7261 | 7197 | 7197 | 7260 | 7260 | 7261 | 7261 | |
| E | 7260 | 7260 | SPARE | SPARE | 7260 | 7261 | 7197 | 7197 | 7260 | 7261 | 7261 | 7261 | |
| F | 7251 | 7251 | 7251 | 7251 | 7251 | 7259 | 7962 | 7259 | 7251 | 7251 | 7251 | 7251 | |
| G | SPARE | 7271 | 7951 | 7271 | 7271 | 7271 | 7271 | 7962 | 7273 | 7273 | 7273 | 7273 | |
| H | SPARE | 7271 | 7271 | 7271 | 7271 | 7271 | 7271 | 7271 | 7273 | 7273 | ↑ | 7271 | |
| J | 7271 | 7295 | 7295 | 7295 | 7295 | 7259 | 7295 | 7295 | 7255 | 7256 | ↓ | 7270 | |
| K | SPARE | 7271 | 7961 | 7961 | 7961 | 7961 | 7961 | 7961 | 7961 | 7273 | 7273 | ↑ | |
| L | SPARE | SPARE | 7961 | 7295 | 7295 | 7295 | 7259 | 7295 | 7295 | 7295 | 7295 | ↓ | |
| M | 7251 | 7259 | SPARE | 7961 | 7961 | 7961 | 7258 | 7961 | 7961 | 7961 | 7961 | 7270 | |
| N | ↑ | 7259 | 7274 | 7295 | 7295 | 7295 | 7259 | 7295 | 7295 | 7295 | 7295 | 7269 | |
| P | ↑ | 7963 | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | 7269 | |
| R | ↓ | 7287 | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↓ | 7269 | |
| S | 7251 | 7287 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 7295 | 7284 | |
| T | 7283 | 7263 | ↓ | 7295 | 7295 | 7295 | 7259 | 7295 | 7295 | 7295 | 7253 | 7291 | |
| U | 7279 | 7264 | 7274 | SPARE | 7276 | 7275 | 7254 | 7272 | 7292 | 7257 | 7254 | 7278 | 7955 |
| V | 7283 | 7263 | 7285 | SPARE | 7268 | 7268 | SPARE | 7272 | 7268 | 7294 | 7253 | SPARE | 7955 |
| W | 7964 | 7964 | 7964 | 7964 | 7275 | 7275 | 7275 | 7272 | 7268 | 7293 | 7253 | 7267 | 7955 |
| X | 7965 | 7965 | 7965 | | 7268 | 7268 | SPARE | 7200 | 7950 | 7253 | 7196 | 7265 | 7956 |
| Y | 7965 | 7965 | 7965 | 7282 | 7253 | 7277 | 7253 | 7253 | 7277 | 7253 | 7200 | SPARE | 7957 |

EDGE
UNIT 24
P.U. LAYOUT

4-2.3



EDGE
UNIT 24
LOGIC LAYOUT

**DDGE
UNIT 28
P.U. LAYOUT**

| | A | B ₁ | C | D | E |
|---|-------|----------------|-------|-------|------|
| C | 7253 | 7953 | SPARE | 7286 | 7198 |
| D | 7200 | 7954 | SPARE | ↕ | ↕ |
| E | 7952 | 7277 | 7277 | ↕ | ↕ |
| F | 7265 | 7254 | 7286 | 7286 | 7198 |
| G | 7200 | 7253 | 7286 | 7253 | 7262 |
| H | 7253 | 7200 | 7252 | 7252 | ↕ |
| J | 7200 | 7195 | 7200 | 7252 | ↕ |
| K | 7195 | 7199 | 7200 | 7200 | 7262 |
| L | SPARE | 7265 | 7253 | 7277 | 7198 |
| M | 7195 | 7266 | 7200 | SPARE | ↕ |
| N | 7199 | 7280 | 7280 | 7253 | ↕ |
| P | 7200 | 7280 | 7280 | 7200 | 7198 |
| R | 7285 | 7280 | 7280 | 7285 | 7253 |
| S | 7964 | SPARE | 7285 | 7964 | 7288 |
| T | 7965 | 7964 | 7964 | 7965 | 7200 |
| U | 7965 | 7965 | 7965 | 7965 | 7199 |
| V | 7965 | 7965 | 7965 | 7965 | 7289 |
| W | 7965 | 7965 | 7965 | 7965 | 7278 |
| X | 7960 | 7965 | 7965 | SPARE | 7290 |
| Y | 7959 | SPARE | SPARE | 7958 | 7513 |

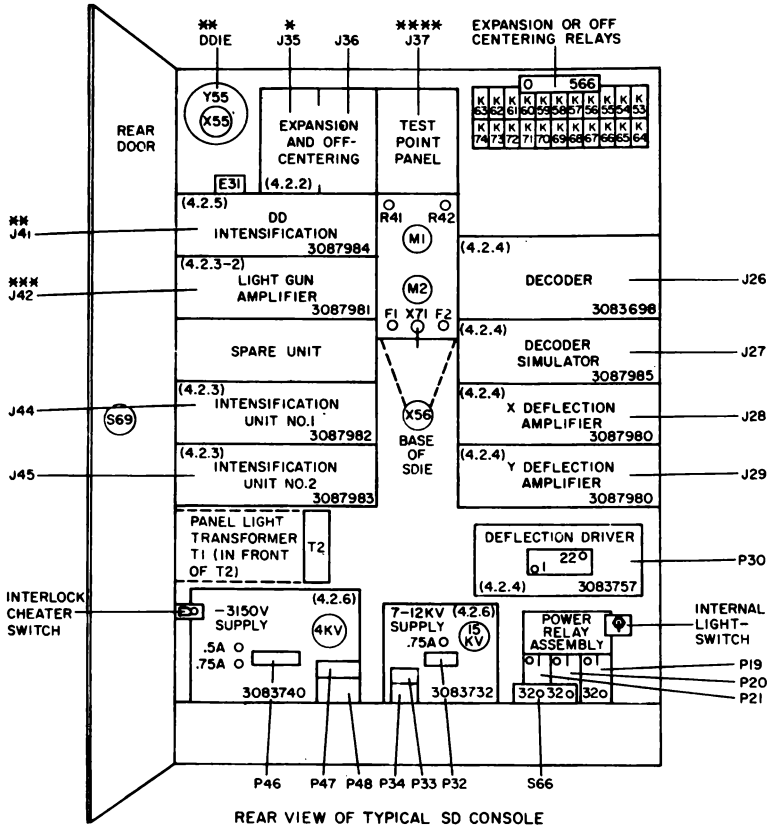
PART 4

SECTION 3

Component & Logic Reference Data
SD Console
Aux. D Console
Projector Console
Command Desk

EXPANSION OR OFF-CENTERING

| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|------------|
| K63 | K62 | K61 | K60 | K59 | K58 | K57 | K56 | K55 | K54 | K53 | UPPER BANK |
| AX | BX | CX | DX | EX | EX | FX | FX | GX | GX | SPARE | |
| K74 | K73 | K72 | K71 | K70 | K69 | K68 | K67 | K66 | K65 | K64 | LOWER BANK |
| AY | BY | CY | DY | EY | EY | FY | FY | GY | GY | FEED BACK | |



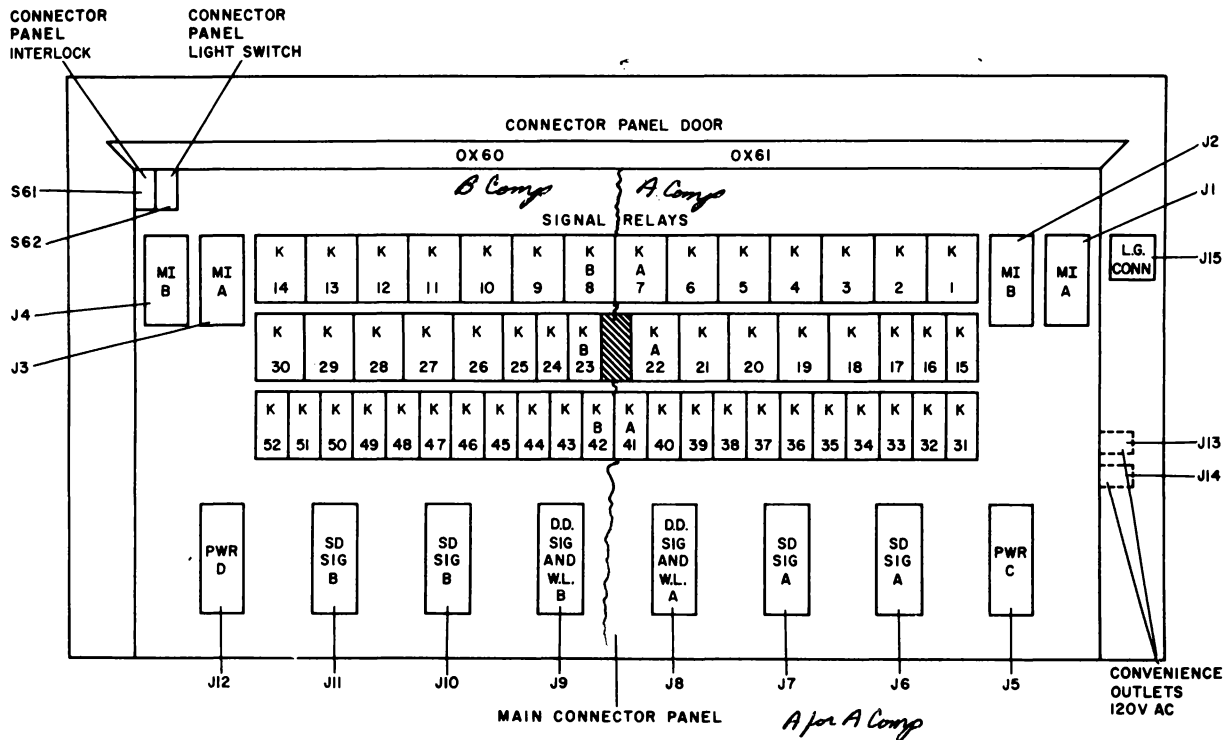
REAR VIEW OF TYPICAL SD CONSOLE

NOTES:

- * EXPANSION MAY BE EITHER PLUGBOARD OR SWITCHES
- ** WILL BE BLANK WHEN CONSOLE HAS NO DDIE
- *** MAY BE AREA DISCRIMINATOR AMPLIFIER 3077986
- **** PANEL LAYOUT ILLUSTRATION ON 4-3.14 AND 4-3.15

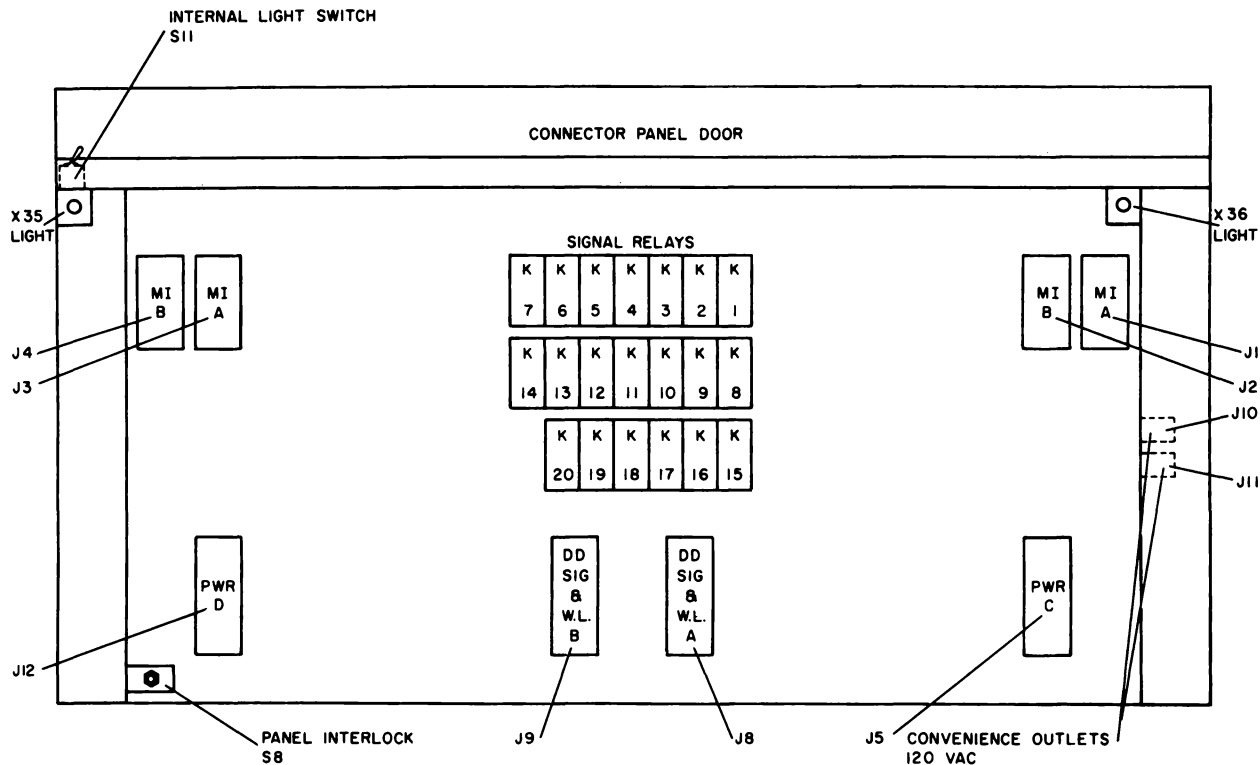
REAR VIEW OF TYPICAL SD CONSOLE

4-3.3



SIGNAL RELAYS OF TYPICAL S.D. CONSOLE FRONT VIEW

4-3.4



SIGNAL RELAYS OF TYPICAL AUXILIARY CONSOLE, FRONT VIEW

SIGNAL RELAY FUNCTIONS

| RELAY NO. | K7 | K6 | K5 | K4 | K3 | K2 | K1 |
|---------------|----|--------------------------|------------------------------------|--------|----------|-------------------------|--------------|
| COMPUTER | | B | B | B | B | B | B |
| DEFLECTION | | POS. LT. | POS. RT. | UP SEL | DOWN SEL | LT. SEL | RT. SEL |
| MISC. CONTROL | | ERASE IN SEL A & B | CONTRAST GATE, ERASE GATE | | | INT. IN SEL A & B | INT. GATE |

| RELAY NO. | K14 | K13 | K12 | K11 | K10 | K9 | K8 |
|---------------|-----|--------------------------|------------------------------------|--------|----------|-------------------------|--------------|
| COMPUTER | | A | A | A | A | A | A |
| DEFLECTION | | POS. LT. | POS. RT. | UP SEL | DOWN SEL | LT. SEL | RT. SEL |
| MISC. CONTROL | | ERASE IN SEL A & B | CONTRAST GATE, ERASE GATE | | | INT. IN SEL A & B | INT. GATE |

| RELAY NO. | | K20 | K19 | K18 | K17 | K16 | K15 |
|---------------|--|-----|-----|----------|----------|--------|----------|
| COMPUTER | | | | A | A | B | B |
| DEFLECTION | | | | POS. UP. | POS DOWN | POS UP | POS DOWN |
| MISC. CONTROL | | | | | | | |

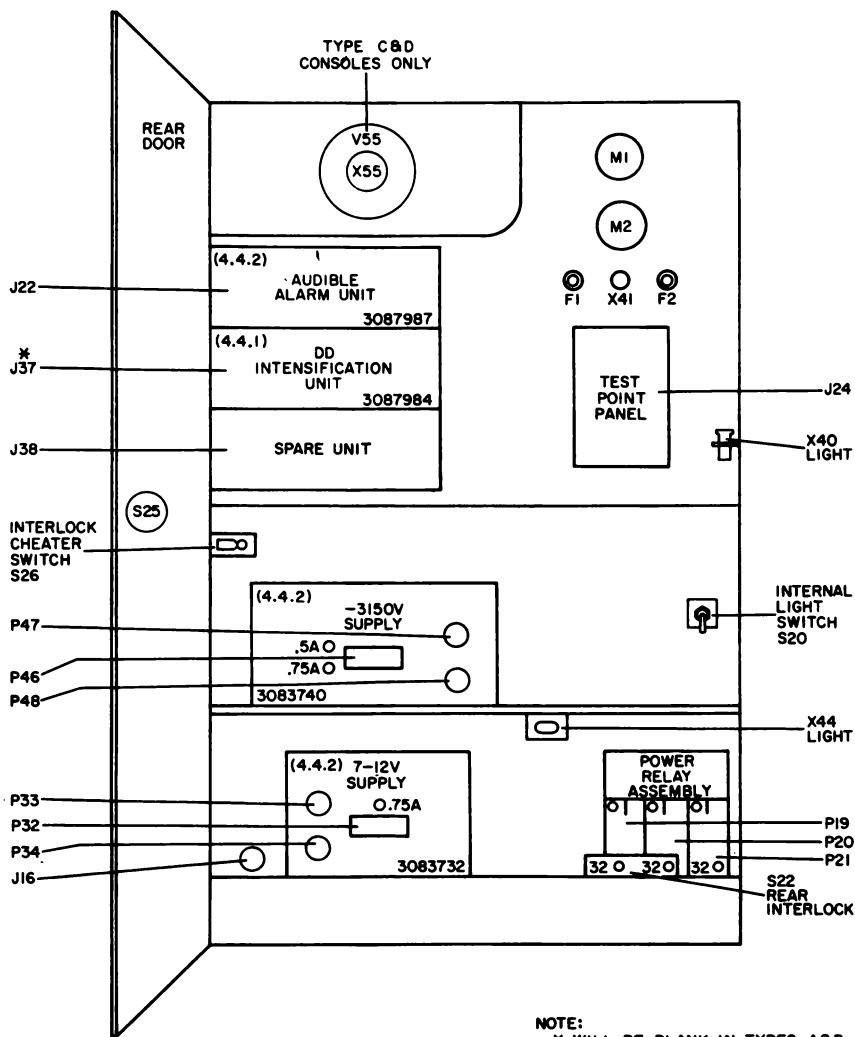
| RELAY NO. | K14 | K13 | K12 | K11 | K10 | K9 | K8 | | K7 | K6 | K5 | K4 | K3 | K2 | K1 |
|----------------------------------|-------------------------|--------------------|---------------------|--------------------|---------------------|----------------------|----------|--|----------|----------------------|---------------------|--------------------|---------------------|---------------------|-------------------------|
| COMPUTER | B | B | B | B | B | B | B | | A | A | A | A | A | A | A |
| DEFLECTION | UP SEL | DOWN SEL POS RT | | POS LT *RT. SEL | | *LT. SEL *POS RT. | *POS LT. | | *POS LT. | *LT. SEL *POS RT. | | POS LT. *RT SEL | | DOWN SEL POS RT. | UP SEL |
| CATS, DABS, or RD IN | Z, AA, AB, AC, AD | V, W, X, Y | N, P, R, S, T, U | J, K, L, M | C, D, E, F, G, H | A, B | | | | A, B | C, D, E, F, G, H | J, K, L, M | N, P, R, S, T, U | V, W, X, Y | Z, AA, AB, AC, AD |
| DEFL. BITS or MISC CONTROL | | | | | | MODE 2 | MODE 1 | | MODE 1 | MODE 2 | | | | | |

| RELAY NO. | K30 | K29 | K28 | K27 | K26 | K25 | K24 | K23 | | K22 | K21 | K20 | K19 | K18 | K17 | K16 | K15 |
|------------------------------------|---|--|--------------------------------------|---------------------------|--|---------|--------------|--|--|--|-------------------------|---|------------------------|--------------------------------------|----------------------|--|-----------------------------|
| COMPUTER | B | B | B | B | B | B | B | B | | A | A | A | A | A | A | A | A |
| DEFLECTION | POS UP | LT. SEL. POS DOWN | | RT. SEL. *DOWN SEL. | | *UP SEL | *POS DOWN | *POS UP | | *POS UP | *UP SEL *POS DOWN | | RT SEL *DOWN SEL | | LT. SEL | POS DOWN | POS UP |
| DEFL BITS or MISC CONTROL | BY-PASS FEAT. VECT INT. L.G. OUT, PASS L.G. | L1-0, L2-0, L3-0 PT. FEAT IN | LS-0 RS-0 R1-0 R2-0 R3-0 | C,D,E FEAT. IN | FOCUS, DE-FOCUS AND INT GATES IN A,B, FEAT. IN | | | *CON- TRAST, *ERASE, AND *INT. GATE IN | | *CON- TRAST, *ERASE, AND *INT. GATE IN | | A,B FEAT IN FOCUS, DE-FOCUS AND INT GATES -IN | C,D,E FEAT IN | LS-0 R1-0 R2-0 R3-0 RS-0 | L1-0 L2-0 L3-0 | PT. FEAT. BY-PASS FEAT. VECT INT. IN | L.G. OUT PASS L.G. IN |

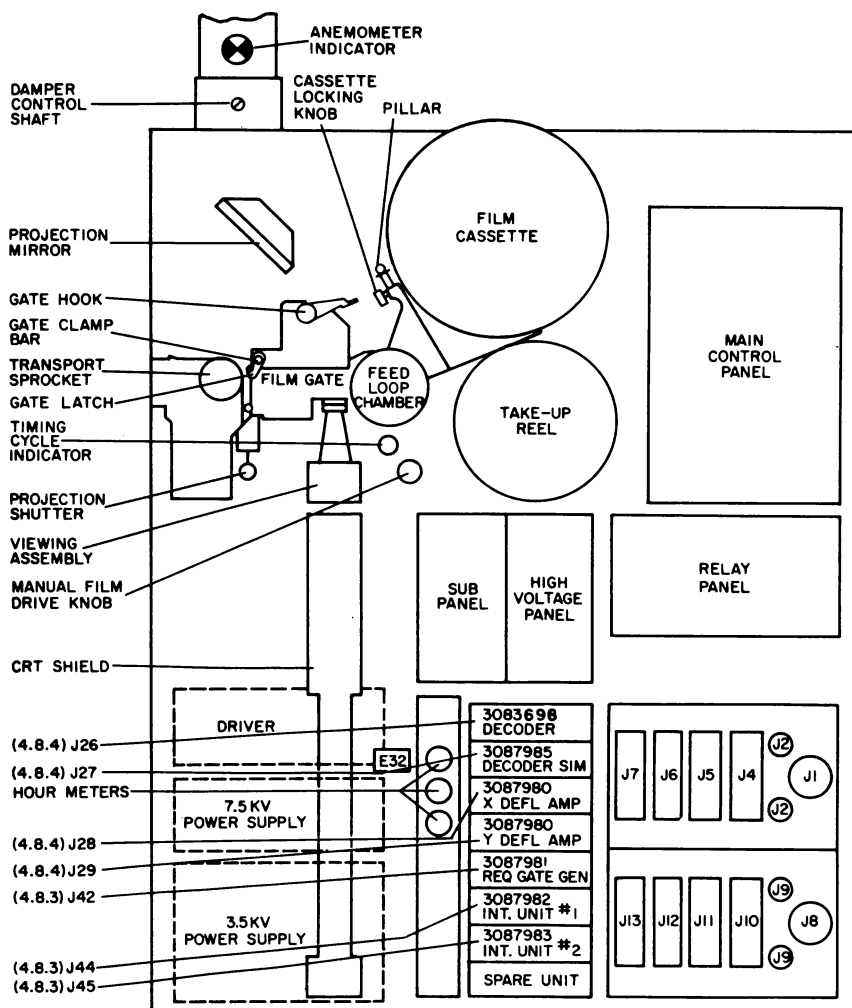
| RELAY NO. | K52 | K51 | K50 | K49 | K48 | K47 | K46 | K45 | K44 | K43 | K42 | K41 | K40 | K39 | K38 | K37 | K36 | K35 | K34 | K33 | K32 | K31 |
|-------------------------------------|---------------------|------------------|----------------------------|---------------------------------|------------------------------|------------------------------|--------------|-----|-----|--|--|--|--|-----|-----|--------------|------------------------------|------------------------------|---------------------------------|----------------------------|------------------|--------------------------|
| COMPUTER | B | B | B | B | B | B | B | | | B | B | A | A | | | A | A | A | A | A | A | A |
| DEFL BITS or MISC CONTROLS | L9, L10 L11, L12 | L8, L8 L7, L8 | L1-1 L2-1 L3-1 L4 | L8-1 R10-1 R11-1 R12-1 | R6-1 R7-1 R8-1 R9-1 | R2-1 R3-1 R4-1 R5-1 | R5-1 R1-1 | | | *ERASE AND *INT. IN SEL B | *ERASE AND *INT. IN SEL A | *ERASE AND *INT. IN SEL A | *ERASE AND *INT. IN SEL B | | | RS-1 R1-1 | R2-1 R3-1 R4-1 R5-1 | R6-1 R7-1 R8-1 R9-1 | LS-1 R10-1 R11-1 R12-1 | L1-1 L2-1 L3-1 L4 | L5, L6 L7, L8 | L9, L10 L11 L12 |

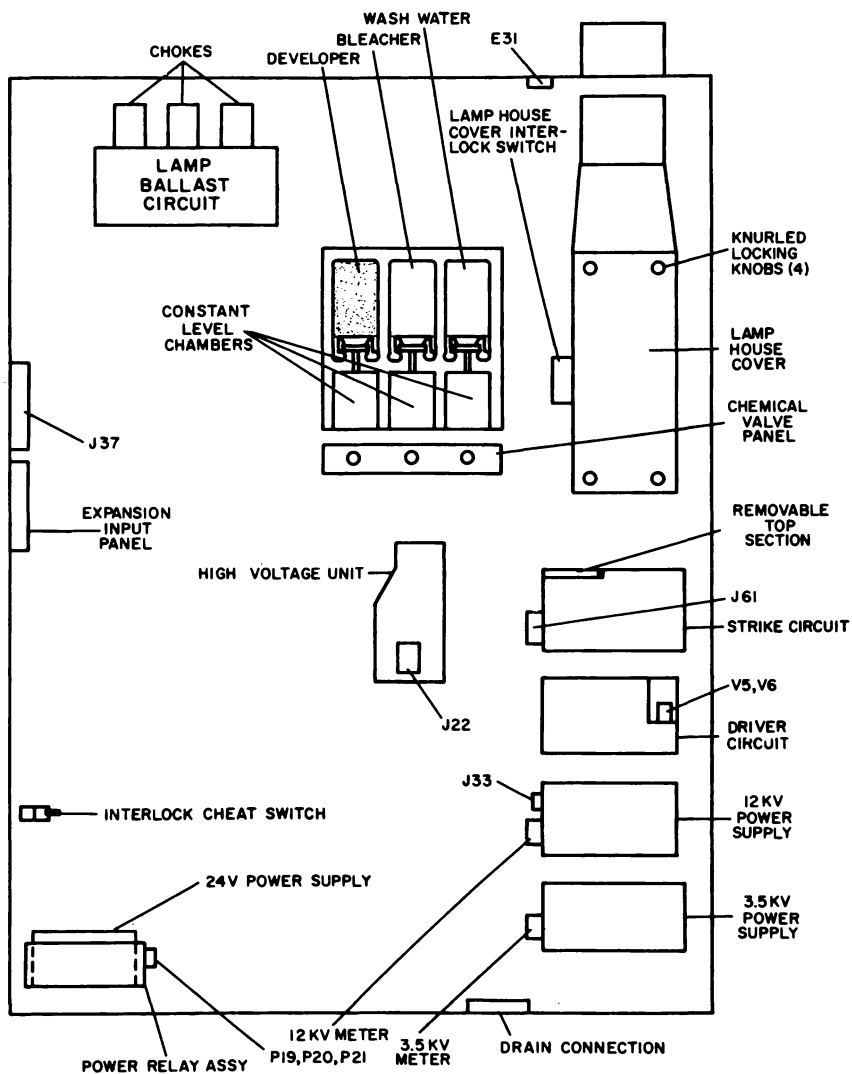
Note: *Used for DD

SIGNAL RELAY FUNCTIONS



REAR VIEW OF TYPICAL AUXILIARY CONSOLE



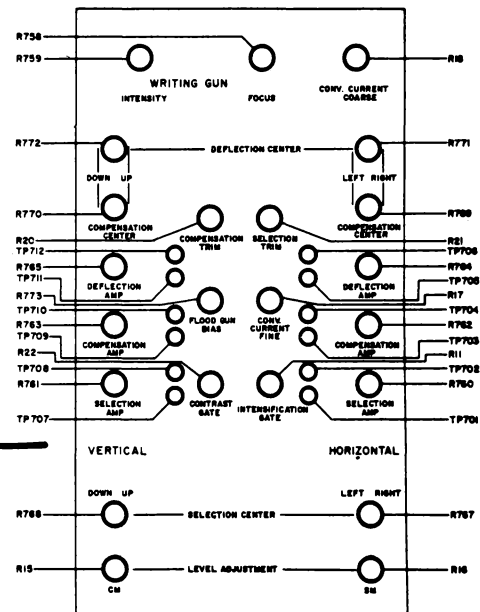
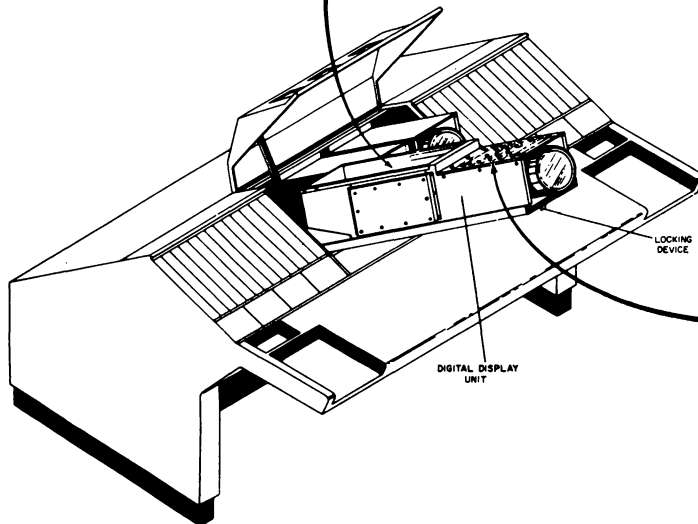


PROJECTOR CONSOLE, REAR VIEW

4-3.10

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| K77 | K78 | K79 | K80 | K81 | K82 | K83 | K84 | K85 | K86 | K87 | K88 | K89 | K90 | K91 | K92 | K93 | K94 | K95 | K96 | K97 | K98 | K99 | K100 |
| K61 | K62 | K63 | K64 | K65 | K66 | K67 | K68 | K69 | K70 | K71 | K72 | K73 | K74 | K75 | K76 | | | | | | | | |
| K54 ○ | | K55 ○ | | K56 ○ | | K57 ○ | | K58 ○ | | K59 ○ | | K60 ○ | | | | | | | | | | | |
| K47 ○ | | K48 ○ | | K49 ○ | | K50 ○ | | K51 ○ | | K52 ○ | | K53 ○ | | | | | | | | | | | |
| K40 ○ | | K41 ○ | | K42 ○ | | K43 ○ | | K44 ○ | | K45 ○ | | K46 ○ | | | | | | | | | | | |
| K33 ○ | | K34 ○ | | K35 ○ | | K36 ○ | | K37 ○ | | K38 ○ | | K39 ○ | | | | | | | | | | | |
| K17 | K18 | K19 | K20 | K21 | K22 | K23 | K24 | K25 | K26 | K27 | K28 | K29 | K30 | K31 | K32 | | | | | | | | |
| K1 | K2 | K3 | K4 | K5 | K6 | K7 | K8 | K9 | K10 | K11 | K12 | K13 | K14 | K15 | K16 | | | | | | | | |

PROJECTOR CONSOLE, RELAY PANEL



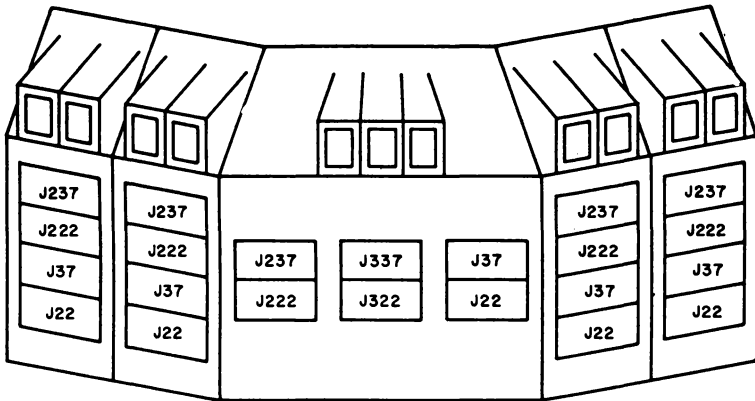
COMMAND DESK (DIGITAL DISPLAY UNIT CONTROLS)

COMMAND DESK (DIGITAL DISPLAY CONTROLS)

PROJECTOR CONSOLE RELAY PANEL; FUNCTIONAL CHART

| RELAY | CC | FUNCTION | RELAY | CC | FUNCTION |
|-------|----|---------------------------------------|-------|----|-----------------------|
| K1 | A | SEL UP, CAT DAB OR RD | K51 | | CLEAR REQUEST CKT |
| K2 | A | SEL DWN, POS RT CAT DAB OR RD | K52 | | TIME DELAY |
| K3 | A | CAT DAB OR RD | K53 | | CRT INTENSITY CONT |
| K4 | A | POS LT, CAT DAB OR RD | K54 | | SPARE |
| K5 | A | CAT DAB OR RD | K55 | | EXPANSION CONT |
| *K6 | A | POS UP, TEST CAT, BY PASS, VECT | K56 | | EXPANSION CONT |
| K7 | A | SEL LT, POS DWN, L8, L1, L2, L3 = 0 | K57 | | EXPANSION CONT |
| K8 | A | SEL RT RS, R1, R2, R3 = 0 FEAT E | K58 | | EXPANSION CONT |
| K9 | A | INT, DEFOCUS FEAT A, B, C, D | K59 | | TRANSPORT SOLENOID |
| K10 | A | FOCUS GATE, L8, L9, L10, L11, L12 = 1 | K60 | A | TRANSPORT SOLENOID |
| K11 | A | L2, L3, L4, L5, L6, L7 = 1 | K61 | B | SPARE |
| K12 | A | L8 = 1, L1 = 1, R9, R10, R11, R12 = 1 | K62 | | EXPANSION Gx |
| K13 | A | R3, R4, R5, R6, R7, R8 = 1 | K63 | | EXPANSION Gx |
| K14 | A | RS, R1, R2 = 1 TD | K64 | | EXPANSION Fx |
| K15 | | SPARE | K65 | | EXPANSION Fx |
| K16 | | SPARE | K66 | | EXPANSION Ex |
| K17 | B | SEL UP CAT DAB OR RD | K67 | | EXPANSION Ex |
| K18 | B | POS RT SEL DWN CAT DAB OR RD | K68 | | OFF CENTERING Dx |
| K19 | B | CAT DAB OR RD | K69 | | FEED BACK DEFL |
| K20 | B | POS LT CAT DAB OR RD | K70 | | OFF CENTERING Dy |
| K21 | B | CAT DAB OR RD | K71 | | EXPANSION Ey |
| *K22 | B | POS UP, TEST CAT, BY PASS, VECT | K72 | | EXPANSION Ey |
| K23 | B | SEL LT, POS DWN; L8, L1, L2, L3 = 0 | K73 | | EXPANSION Fy |
| K24 | B | SEL RT RS, R1, R2, R3 = 0 FEAT E | K74 | | EXPANSION Fy |
| K25 | B | INT, DEFOCUS, FEAT A, B, C, D | K75 | | EXPANSION Gy |
| K26 | B | FOCUS GATE, L8, L9, L10, L11, L12 = 1 | K76 | | EXPANSION Gy |
| K27 | B | L2, L3, L4, L5, L6, L7 = 1 | K77 | | OFF CENTERING Cx |
| K28 | B | L8 = 1, L1 = 1, R9, R10, R11, R12 = 1 | K78 | | OFF CENTERING Bx |
| K29 | B | R3, R4, R5, R6, R7, R8 = 1 | K79 | | OFF CENTERING Ax |
| K30 | B | RS, R1, R2 = 1 TD | K80 | | INT. NOR OR INTERMIT. |
| K31 | | SPARE | K81 | | REMOTE CONTRACTED |
| K32 | | SPARE | K82 | | EXPANSION CONT |
| K33 | | LAMP INTERLOCK | K83 | | CATEGORY S1 |
| K34 | | LIGHT SHUTTER | K84 | | CATEGORY S2 |
| K35 | | SPARE | K85 | | CATEGORY S3 |
| K36 | | REMOTE CONTRACTED | K86 | | CATEGORY S4 |
| K37 | | REMOTE CONTRACTED | K87 | | CATEGORY S5 |
| K38 | | REMOTE CONTRACTED | K88 | | CATEGORY S6 |
| K39 | | REMOTE - LOCAL | K89 | | CATEGORY S7 |
| K40 | | DRIVE MOTOR | K90 | | CATEGORY S8 |
| K41 | | SHUTTER | K91 | | CATEGORY S9 |
| K42 | | REMOTE CAT CONTROL | K92 | | CATEGORY S10 |
| K43 | | CHEMICAL LOW | K93 | | CATEGORY S11 |
| K44 | | WASTE BLOCKAGE | K94 | | CATEGORY S12 |
| K45 | | FILM LOW | K95 | | CATEGORY S13 |
| K46 | | FILM BREAK | K96 | | CATEGORY S14 |
| K47 | | GATE OPEN | K97 | | CATEGORY S15 |
| K48 | | BUZZER RELEASE | K98 | | OFF CENTERING Ay |
| K49 | | FAULTY DISPLAY ALARM | K99 | | OFF CENTERING By |
| K50 | | CONTINUOUS DISPLAY | K100 | | OFF CENTERING Cy |

*CAT DAB OR RD



| 250A | | 250B | 250C | | 250D | 250E |
|-----------|----------------|------|-----------|----------------|------|------|
| <u>PU</u> | <u>PU TYPE</u> | | <u>PU</u> | <u>PU TYPE</u> | | |
| J237 | 7984 | SAME | J237 | 7984 - | SAME | SAME |
| J222 | 7987 | AS | J222 | 7987 | AS | AS |
| J37 | 7984 | 250A | J337 | 7984 | 250A | 250A |
| J22 | 7987 | | J322 | 7987 | | |
| | | | J37 | 7984 | | |
| | | | J22 | 7987 | | |

COMMAND POST PLUGGABLE UNIT LAYOUT

J37 TEST POINTS, SD CONSOLE

| | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | |
|---|----|---|---|---|---|---|---|---|---|---|---|
| A | O | O | O | O | O | O | O | O | O | O | A |
| B | O | O | O | O | O | O | O | O | O | O | B |
| C | O | O | O | O | O | O | O | O | O | O | C |
| D | O | O | O | O | O | O | O | O | O | O | D |
| E | O | O | O | O | O | O | O | O | O | O | E |
| F | O | O | O | O | O | O | O | O | O | O | F |
| G | O | O | O | O | O | O | O | O | O | O | G |
| H | O | O | O | O | O | O | O | O | O | O | H |
| J | O | O | O | O | O | O | O | O | O | O | J |
| K | O | O | O | O | O | O | O | O | O | O | K |
| L | O | O | O | O | O | O | O | O | O | O | L |
| M | O | O | O | O | O | O | O | O | O | O | M |
| N | O | O | O | O | O | O | O | O | O | O | N |
| P | O | O | O | O | O | O | O | O | O | O | P |
| R | O | O | O | O | O | O | O | O | O | O | R |
| S | O | O | O | O | O | O | O | O | O | O | S |
| T | O | O | O | O | O | O | O | O | O | O | T |
| U | O | O | O | O | O | O | O | O | O | O | U |
| V | O | O | O | O | O | O | O | O | O | O | V |
| W | O | O | O | O | O | O | O | O | O | O | W |
| | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | |

| Test Points | Signal/Voltage | Connects | Logic |
|-------------|----------------|----------|-------|
| A1 | - | - | - |
| A2 | LS-1 | K63-B1 | 4.2.2 |
| A3 | L1-1 | K59-C2 | 4.2.2 |
| A4 | L2-1 | K59-B2 | 4.2.2 |
| A5 | L3-1 | K59-B2 | 4.2.2 |
| A6 | L4-1 | K57-C2 | 4.2.2 |
| A7 | L5-1 | K57-C3 | 4.2.2 |
| A8 | L6-1 | K57-C4 | 4.2.2 |
| A9 | L7-1 | K57-C5 | 4.2.2 |
| A10 | | - | - |
| B1 | | - | - |
| B2 | L8-1 | K56-B1 | 4.2.2 |
| B3 | L9-1 | K56-C1 | 4.2.2 |
| B4 | L10-1 | K56-C2 | 4.2.2 |

| Test Point | Signal/Voltage | Connects | Logic |
|------------|----------------|----------|-------|
| B5 | L11-1 | K56-C3 | 4.2.2 |
| B6 | L12-1 | K56-C4 | 4.2.2 |
| B7 | LS-0 | K59-C1 | 4.2.2 |
| B8 | L1-0 | K62-B3 | 4.2.2 |
| B9 | L2-0 | K61-B3 | 4.2.2 |
| B10 | L3-0 | K60-B4 | 4.2.2 |
| C1 | | - | - |
| C2 | RS-1 | K74-B1 | 4.2.2 |
| C3 | R1-1 | K70-B1 | 4.2.2 |
| C4 | R2-1 | K70-B2 | 4.2.2 |
| C5 | R3-1 | K68-B2 | 4.2.2 |
| C6 | R4-1 | K68-C2 | 4.2.2 |
| C7 | R5-1 | K68-C3 | 4.2.2 |
| C8 | R6-1 | K68-C4 | 4.2.2 |
| C9 | R7-1 | K68-C5 | 4.2.2 |
| C10 | | - | - |
| D1 | | - | - |
| D2 | R8-1 | K67-B1 | 4.2.2 |
| D3 | R9-1 | K67-C1 | 4.2.2 |
| D4 | R10-1 | K67-C2 | 4.2.2 |
| D5 | R11-1 | K67-C3 | 4.2.2 |
| D6 | R12-1 | K67-C4 | 4.2.2 |
| D7 | RS-0 | K70-C1 | 4.2.2 |
| D8 | R1-0 | K73-B2 | 4.2.2 |
| D9 | R2-0 | K72-B3 | 4.2.2 |
| D10 | R3-0 | K71-B4 | 4.2.2 |
| E1 | X-0 | K55-A1 | 4.2.2 |
| E2 | X-1 | K55-A2 | 4.2.2 |
| E3 | X-2 | K55-A3 | 4.2.2 |
| E4 | X-3 | K55-A4 | 4.2.2 |
| E5 | X-4 | K55-A5 | 4.2.2 |
| E6 | X-5 | K55-A6 | 4.2.2 |
| E7 | X-6 | K54-A2 | 4.2.2 |

| J37 TEST POINTS, SD CONSOLE (cont'd) | | | | | | | |
|--------------------------------------|------------------------|----------|---------|------------|----------------------------|----------|-------|
| Test Point | Signal/Voltage | Connects | Logic | Test Point | Signal/Voltage | Connects | Logic |
| L9 | 6.3 VAC LIGHT GUN LAMP | J42-B7 | 4.2.3-2 | P7 | - | - | - |
| L10 | - | - | - | P8 | DEFLECTION COIL | E31-4 | 4.2.5 |
| M1 | 28 VAC SWITCHED | J27-F5 | 4.2.6 | P9 | SELECTION COIL | E31-2 | 4.2.5 |
| M2 | - | - | - | P10 | SELECTION COIL | J41-A1 | 4.2.5 |
| M3 | - | - | - | R1 | -48 V | J41-D3 | 4.2.6 |
| M4 | - | - | - | R2 | -48 V RETURN | J41-B5 | 4.2.6 |
| M5 | - | - | - | R3 | 120 VAC | T1-1 | 4.2.6 |
| M6 | - | - | - | R4 | 120 VAC NEUTRAL | T1-2 | 4.2.6 |
| M7 | - | - | - | R5 | PANEL LIGHT LINE | T1-3 | 4.2.6 |
| M8 | - | - | - | R6 | PANEL LIGHT LINE | T1-8 | 4.2.6 |
| M9 | - | - | - | R7 | - | - | - |
| M10 | - | - | - | R8 | CONVERGENCE CURRENT COARSE | J44-A3 | 4.2.3 |
| N1 | DD INTENSITY GATE | J41-E7 | 4.2.5 | R9 | SELECTION TRIM | J44-A1 | 4.2.3 |
| N2 | DD INTENSITY SEL 2 | J41-E8 | 4.2.5 | R10 | SD CONVERGENCE CURRENT | R17-A3 | 4.2.3 |
| N3 | DD INTENSITY SEL 1 | F41-F5 | 4.2.5 | S1 | 6.3 VAC/+90 V REF | J41-F4 | 4.2.6 |
| N4 | DD ERASE GATE | J41-D8 | 4.2.5 | S2 | 6.3 VAC/+10 V REF | J29-F4 | 4.2.6 |
| N5 | DD ERASE SEL 1 | J41-E5 | 4.2.5 | S3 | 6.3 VAC/-30 V REF | J41-C4 | 4.2.6 |
| N6 | DD ERASE SEL 2 | J41-E6 | 4.2.5 | S4 | 6.3 VAC/-48 V REF | J29-C8 | 4.2.6 |
| N7 | COLLECTOR MESH | J41-C1 | 4.2.5 | S5 | 6.3 VAC/-150 V REF | J29-B8 | 4.2.6 |
| N8 | STORAGE MESH | J41-C2 | 4.2.5 | S6 | 6.3 VAC/-300 V REF | J29-B7 | 4.2.6 |
| N9 | COLLECTOR MESH LEVEL | J41-B3 | 4.2.5 | S7 | 208 VAC Ø1 | P21-3 | 4.2.6 |
| N10 | DD INTENSITY GATE | J41-D5 | 4.2.5 | S8 | 208 VAC Ø2 | M1-1 | 4.2.6 |
| P1 | DD FLOOD GUN BIAS | P38-8 | 4.2.5 | S9 | 208 VAC Ø3 | P30-1 | 4.2.6 |
| P2 | DD MATRIX | P38-1 | 4.2.5 | S10 | 208 VAC NEUTRAL | M2-2 | 4.2.6 |
| P3 | PC #7A OR #8A SWITCHED | J57-3 | 4.2.6 | T1 | 6.3 VAC/+90 V REF | J41-F8 | 4.2.6 |
| P4 | PC #7A OR #8A SWITCHED | J57-11 | 4.2.6 | T2 | 6.3 VAC/+10 V REF | J29-F8 | 4.2.6 |
| P5 | PC #7B OR #8B SWITCHED | J57-6 | 4.2.6 | T3 | 6.3 VAC/-30 V REF | J41-C8 | 4.2.6 |
| P6 | PC #7B OR #8B SWITCHED | J57-14 | 4.2.6 | | | | |

| J37 TEST POINTS, SD CONSOLE (cont'd) | | | | | | | |
|--------------------------------------|-------------------|----------|-------|------------|----------------------------|----------|---------|
| Test Point | Signal/Voltage | Connects | Logic | Test Point | Signal/Voltage | Connects | Logic |
| E8 | X-7 | K54-A2 | 4.2.2 | H10 | - | - | - |
| E9 | X-8 | K54-A3 | 4.2.2 | J1 | - | - | - |
| E10 | X-9 | K54-A4 | 4.2.2 | J2 | - | - | - |
| F1 | Y-0 | K66-A1 | 4.2.2 | J3 | FSS-1 BRIGHT-DIM | J44-F5 | 4.2.3 |
| F2 | Y-1 | K66-A2 | 4.2.2 | J4 | FSS-2 BRIGHT-DIM | J44-F6 | 4.2.3 |
| F3 | Y-2 | K66-A3 | 4.2.2 | J5 | BYPASS | J44-B6 | 4.2.3 |
| F4 | Y-3 | K66-A4 | 4.2.2 | J6 | POINT INPUT | J44-A6 | 4.2.3 |
| F5 | Y-4 | K66-A5 | 4.2.2 | J7 | POINT INTENSITY | J44-A8 | 4.2.3 |
| F6 | Y-5 | K66-A6 | 4.2.2 | J8 | SD DEFOCUS TO HV UNIT | J44-F7 | 4.2.3 |
| F7 | Y-6 | K65-A1 | 4.2.2 | J9 | SD DEFOCUS AMP | J44-E8 | 4.2.3 |
| F8 | Y-7 | K65-A2 | 4.2.2 | J10 | SD MATRIX | P22-23 | 4.2.4 |
| F9 | Y-8 | K65-A3 | 4.2.2 | K1 | - | - | - |
| F10 | Y-9 | K65-A4 | 4.2.2 | K2 | - | - | - |
| G1 | X-OUT SIGNAL | J26-A2 | 4.2.4 | K3 | DEFOCUS IN | J44-E7 | 4.2.3 |
| G2 | Y-OUT SIGNAL | J26-F1 | 4.2.4 | K4 | FOCUS IN | J45-F5 | 4.2.3 |
| G3 | HORIZONTAL CENTER | J27-A6 | 4.2.4 | K5 | INTENSITY IN | J45-E7 | 4.2.3 |
| G4 | VERTICAL CENTER | J27-A8 | 4.2.4 | K6 | BRIGHT POINT INTENSITY | J45-E6 | 4.2.3 |
| G5 | X-AXIS OUTPUT | J27-A5 | 4.2.4 | K7 | DIM POINT INTENSITY | J45-D7 | 4.2.3 |
| G6 | Y-AXIS OUTPUT | J27-A7 | 4.2.4 | K8 | BRIGHT CHARACTER INTENSITY | J45-E5 | 4.2.3 |
| G7 | DOWN FEEDBACK | J29-B1 | 4.2.4 | K9 | DIM CHARACTER INTENSITY | J45-E8 | 4.2.3 |
| G8 | LEFT FEEDBACK | J28-B1 | 4.2.4 | K10 | INTENSITY OUT | J45-F3 | 4.2.3 |
| G9 | UP FEEDBACK | J29-C6 | 4.2.4 | L1 | BRIGHT VECTOR INTENSITY | J45-D8 | 4.2.3 |
| G10 | RIGHT FEEDBACK | J28-C6 | 4.2.4 | L2 | DIM VECTOR INTENSITY | J45-D6 | 4.2.3 |
| H1 | VIA CATHODE "X" | J28-A1 | 4.2.4 | L3 | LIGHT GUN GATE | J42-A5 | 4.2.3-2 |
| H2 | VIA CATHODE "Y" | J29-A1 | 4.2.4 | L4 | PASS LIGHT GUN GATE | J42-B1 | 4.2.3-2 |
| H3 | VIB CATHODE "X" | J28-A3 | 4.2.4 | L5 | LIGHT GUN TRIGGER | J42-F6 | 4.2.3-2 |
| H4 | VIB CATHODE "Y" | J29-A3 | 4.2.4 | L6 | LIGHT GUN AMP OUTPUT | J42-C2 | 4.2.3-2 |
| H5 | VI GRIDS "X" AMP | J28-A2 | 4.2.4 | L7 | +600V | J42-C7 | 4.2.3-2 |
| H6 | VI GRIDS "Y" AMP | J29-A2 | 4.2.4 | L8 | 6.3VAC LIGHT GUN LAMP | J42-E6 | 4.2.3-2 |
| H7 | - | - | - | | | | |
| H8 | - | - | - | | | | |
| H9 | - | - | - | | | | |

| J37 TEST POINTS, SD CONSOLE (cont'd) | | | | | | | |
|--------------------------------------|--------------------|----------|-------|------------|----------------|----------|-------|
| Test Point | Signal/Voltage | Connects | Logic | Test Point | Signal/Voltage | Connects | Logic |
| T4 | 6.3 VAC/-48 V REF | J29-C4 | 4.2.6 | W6 | GROUND | J37-W7 | 4.2.6 |
| T5 | 6.3 VAC/-150 V REF | J29-B4 | 4.2.6 | W7 | GROUND | J37-W8 | 4.2.6 |
| T6 | 6.3 VAC/-300 V REF | J29-B6 | 4.2.6 | W8 | GROUND | J37-W9 | 4.2.6 |
| T7 | - | - | - | W9 | GROUND | J41-A4 | 4.2.6 |
| T8 | - | - | - | W10 | - | - | - |
| T9 | - | - | - | | | | |
| T10 | - | - | - | | | | |
| U1 | - | - | - | | | | |
| U2 | -90 V | E31-8 | 4.2.6 | | | | |
| U3 | - | - | - | | | | |
| U4 | +150 V | J41-E3 | 4.2.6 | | | | |
| U5 | - | - | - | | | | |
| U6 | +250 V | J41-E4 | 4.2.6 | | | | |
| U7 | - | - | - | | | | |
| U8 | +600 V | J42-F2 | 4.2.6 | | | | |
| U9 | - | - | - | | | | |
| U10 | - | - | - | | | | |
| V1 | -300 V | J41-C3 | 4.2.6 | | | | |
| V2 | - | - | - | | | | |
| V3 | -150 V | J41-D1 | 4.2.6 | | | | |
| V4 | - | - | - | | | | |
| V5 | -30 V | J41-D2 | 4.2.6 | | | | |
| V6 | - | - | - | | | | |
| V7 | - | - | - | | | | |
| V8 | - | - | - | | | | |
| V9 | +10 V | J41-E1 | 4.2.6 | | | | |
| V10 | - | - | - | | | | |
| W1 | - | - | - | | | | |
| W2 | GROUND | J37-W3 | 4.2.6 | | | | |
| W3 | GROUND | J37-W4 | 4.2.6 | | | | |
| W4 | GROUND | J37-W5 | 4.2.6 | | | | |
| W5 | GROUND | J37-W6 | 4.2.6 | | | | |

Power

PART 5

SECTION 1

**POWER LOGIC INDEX & SIMPLIFIED
BLOCK DIAGRAM**

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| | |
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MCD-19

| | |
|------------------------------|----------|
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| Unit 2 Left Arith Element | |
| Power Distribution | 5.3.3.2 |
| Control & Indication | 5.4.3.2 |
| Component Index | 5.0.3.3 |

MCD-19 (cont'd)**Unit 3 Right Arith Element**

| | |
|----------------------------|---------|
| Power Distribution _____ | 5.3.3.3 |
| Control & Indication _____ | 5.4.3.3 |
| Component Index _____ | 5.0.3.4 |

Unit 4 Instruction Control _____

| | |
|----------------------------|---------|
| Power Distribution _____ | 5.3.3.4 |
| Control & Indication _____ | 5.4.3.4 |
| Component Index _____ | 5.0.3.5 |

Unit 5 Selection Control

| | |
|----------------------------|---------|
| Power Distribution _____ | 5.3.3.5 |
| Control & Indication _____ | 5.4.3.5 |
| Component Index _____ | 5.0.3.6 |

Unit 6 Program Element

| | |
|----------------------------|---------|
| Power Distribution _____ | 5.3.3.6 |
| Control & Indication _____ | 5.4.3.6 |
| Component Index _____ | 5.0.3.7 |

Unit 65, 66, 67 Core Memory I

| | |
|---------------------------------|----------|
| Power Distribution _____ | 5.3.3.7 |
| Control & Indication _____ | 5.4.3.7 |
| Component Index - Unit 67 _____ | 5.0.3.8 |
| Component Layout, Unit 67 _____ | 5.0.3.13 |

Unit 10, 11, 12 Core Memory II

| | |
|---------------------------------|---------|
| Power Distribution _____ | 5.3.3.8 |
| Control & Indication _____ | 5.4.3.8 |
| Component Index - Unit 12 _____ | 5.0.3.9 |

Unit 13 Tape Adapter

| | |
|----------------------------|----------|
| Power Distribution _____ | 5.3.3.9 |
| Control & Indication _____ | 5.4.3.9 |
| Component Index _____ | 5.0.3.10 |
| Component Layout _____ | 5.0.3.12 |

Unit 18 Tape Power Supply

| | |
|--------------------------------------|----------|
| Distribution & Component Index _____ | 5.0.3.14 |
| Power Distribution _____ | 5.3.3.11 |
| Component Layout _____ | 5.0.3.15 |

MCD-27**MCD**

| | |
|-----------------------------------|---------|
| Control & Indication _____ | 5.4.4 |
| Common Power Distribution _____ | 5.3.4.1 |
| Common Control & Indication _____ | 5.4.4.1 |
| Component Layout _____ | 5.0.4 |
| Component Index _____ | 5.0.4.1 |
| Distribution Components _____ | 5.0.4.2 |
| Power Distribution _____ | 5.3.4 |

Unit 23 MDI

| | |
|----------------------------|---------|
| Power Distribution _____ | 5.3.4.2 |
| Control & Indication _____ | 5.4.4.2 |
| Component Index _____ | 5.0.4.3 |
| Component Layout _____ | 5.0.4.6 |

Unit 24 SDGE

| | |
|----------------------------|---------|
| Power Distribution _____ | 5.3.4.3 |
| Control & Indication _____ | 5.4.4.3 |
| Component Index _____ | 5.0.4.4 |

MCD-27 (cont'd)**Unit 25 DDGE**

| | |
|----------------------------|---------|
| Power Distribution | 5.3.4.4 |
| Control & Indication | 5.4.4.4 |
| Component Index | 5.0.4.5 |
| Component Layout | 5.0.4.7 |

Unit 30 Warning Light Control

| | |
|----------------------------|---------|
| Power Distribution | 5.3.4.5 |
| Control & Indication | 5.4.4.5 |
| Component Layout | 5.0.4.6 |

Duplex Consoles

| | |
|----------------------------|---------|
| Power Distribution | 5.3.4.6 |
| Control & Indication | 5.4.4.6 |

Signal Status Switching Simplex Displays

5.4.4.7

MCD 29**MCD**

| | |
|-----------------------------------|---------|
| Control & Indication | 5.4.5 |
| Common Power Distribution | 5.3.5.1 |
| Common Control & Indication | 5.4.5.1 |
| Component Layout | 5.0.5 |
| Component Index | 5.0.5.1 |
| Distribution Component | 5.0.5.2 |
| Power Distribution | 5.3.5 |

Unit 21 Drum Control

| | |
|----------------------------|---------|
| Power Distribution | 5.3.5.2 |
| Control & Indication | 5.4.5.2 |
| Component Index | 5.0.5.3 |

Unit 22 Main Drums

| | |
|----------------------------|---------|
| Power Distribution | 5.3.5.3 |
| Control & Indication | 5.4.5.3 |
| Component Index | 5.0.5.4 |

Main Drums Motors

| | |
|----------------------------|---------|
| Power Distribution | 5.3.5.4 |
| Control & Indication | 5.4.5.4 |

MCD 31**MCD**

| | |
|-----------------------------------|---------|
| Control & Indication | 5.4.6 |
| Common Power Distribution | 5.3.6.1 |
| Common Control & Indication | 5.4.6.1 |
| Component Layout | 5.0.6 |
| Power Distribution | 5.3.6 |

MCD

| | |
|-------------------------------|---------|
| Component Index | 5.0.6.1 |
| Distribution Components | 5.0.6.2 |

Unit 33 Output Storage

| | |
|----------------------------|---------|
| Power Distribution | 5.3.6.3 |
| Control & Indication | 5.4.6.3 |
| Component Index | 5.0.6.4 |

MCD 31 (cont'd)**Unit 42 Output Control**

| | |
|----------------------------|---------|
| Power Distribution | 5.3.6.2 |
| Control & Indication | 5.4.6.2 |
| Component Index | 5.0.6.3 |

MCD-46**MCD**

| | |
|---|---------|
| Control & Indication | 5.4.8 |
| Common Power Distribution | 5.3.8.1 |
| Common Power Control & Indication | 5.4.8.1 |
| Component Layout | 5.0.8 |
| Component Index | 5.0.8.1 |
| Distribution Component | 5.0.8.2 |
| Power Distribution | 5.3.8 |

Unit 20 Aux Drums

| | |
|----------------------------|---------|
| Power Distribution | 5.3.8.2 |
| Control & Indication | 5.4.8.2 |
| Component Index | 5.0.8.3 |

Aux Drums Motors

| | |
|----------------------------|---------|
| Power Distribution | 5.3.8.4 |
| Control & Indication | 5.4.8.3 |

MCD-59**MCD**

| | |
|-----------------------------------|---------|
| Control & Indication | 5.4.7 |
| Common Power Distribution | 5.3.7.1 |
| Common Control & Indication | 5.4.7.1 |
| Component Layout | 5.0.7 |
| Component Index | 5.0.7.1 |
| Distribution Components | 5.0.7.2 |
| Power Distribution | 5.3.7 |

Unit 32 CrossTell

| | |
|----------------------------|---------|
| Power Distribution | 5.3.7.3 |
| Control & Indication | 5.4.7.3 |

Unit 34 GFI

| | |
|----------------------------|---------|
| Power Distribution | 5.3.7.4 |
| Control & Indication | 5.4.7.4 |

Unit 41 L.R.I.

| | |
|----------------------------|---------|
| Power Distribution | 5.3.7.2 |
| Control & Indication | 5.4.7.2 |

Unit 93 LRI Monitor Control, Duplexed

| | |
|----------------------------|---------|
| Power Distribution | 5.3.7.5 |
| Control & Indication | 5.4.7.5 |
| Component Index | 5.0.7.3 |

| | |
|--|---------|
| Signal Status Switching, Simplex Input | 5.4.7.6 |
|--|---------|

Simplex Power Supply Unit 61

| | |
|--------------------------------|-------------|
| Simplex POWER Conversion | CD 5.2.1 |
| Bus Duct & Power Inputs | CD 5.2.1.13 |
| High Freq Alternation | CD 5.2.1.12 |

Simplex Power Supply Unit 61 (Cont'd)

| | |
|---|-------------|
| +600V Module A | CD 5.2.1.3 |
| +250V Module C | CD 5.2.1.1 |
| +150V Module C | CD 5.2.1.2 |
| +90V Module B | CD 5.2.1.9 |
| +10V Module B | CD 5.2.1.4 |
| -15V Module B | CD 5.2.1.5 |
| -30V Module B | CD 5.2.1.6 |
| -48V Module C | CD 5.2.1.10 |
| -150V Module B | CD 5.2.1.8 |
| -300V Module A | CD 5.2.1.7 |
| Component Location Mod A | 5.0.1.10 |
| Component Location Mod B | 5.0.1.11 |
| Component Location Mod C | 5.0.1.12 |
| Component Location Alternator Control Chassis | 5.0.1.13 |
| Component Location, Sequencing Device | CD 5.0.1.16 |
| Component Index, Sequencing Device | CD 5.0.1.17 |
| Sequencing Device Control | CD 5.2.1.14 |
| Distribution Component & Index | CD 5.0.1.15 |

PCD 64

| | |
|--------------------------------------|---------------------------|
| DC Power Dist | CD 5.3.2.1 |
| AC Power Dist | CD 5.3.2.2 |
| Normal ON & OFF | CD 5.4.2.1 |
| Abnormal OFF | CD 5.4.2.2 |
| Indication | CD 5.4.2.3 |
| Metering | CD 5.4.2.4 |
| Component Location Mod A | CD 5.0.2.1 |
| Component Layout Mod B | CD 5.0.2.2 |
| Component Layout Mod C | CD 5.0.2.3 |
| Component Index | CD 5.0.2.4 |
| Control & Dist Components | CD 5.0.2.5 |
| Control | CD 5.4.2 |
| Power Distribution | CD 5.3.2 |
| Unit 48 Simplex Display | |
| Location Drawing | S 5.0.9.10 |
| CB Unit Control | CD 5.4.9.1 |
| Reg & Unreg AC Dist | CD 5.3.9.1 |
| DC Dist | CD 5.3.9.2 |
| Console Control | CD 5.4.9.2 |
| Console DC Dist | CD 5.3.9.3 |
| Component Index | 5.0.9.1 |
| Dist Component | 5.0.9.2 |
| System Control | CD 5.4.9 |
| Component Layout | 5.0.9.3-5.0.9.5 |
| Power Distribution | CD 5.3.9 |
| Unit 56 Simplex Input | |
| Power Distribution | S 5.3.10 |
| Unit 56 Control | CD 5.4.10.1 |
| Reg AC Dist | S 5.3.10.1 |
| Unreg AC Dist | S 5.3.10.2 |
| DC Dist | CD 5.3.10.3 |
| Control | S 5.4.10 |
| Component Index | 5.0.10.3 |
| Component Layout Unit 56 | 5.0.10.9-5.0.10.13 |
| Dist Components | 5.0.10.5 |
| Equip Bonds, DC & -48 Returns | S 5.3.10.7 |
| Channel Control | S 5.4.10.3 |
| Channel DC Dist | S 5.3.10.5 |
| CEP Control | S 5.4.10.4 |
| CEP Power Dist | S 5.3.10.6 |
| MC Control Unit 58 | S 5.4.10.2 |
| MC-DC Dist Units 56 & 58 | S 5.3.10.4 |
| Component Layout, Unit 58 | S 5.0.12.20 - S 5.0.12.24 |
| Component Index Unit 55 | 5.0.10.1 |
| Component Index Unit 55 Sliding Unit | 5.0.10.2 |
| Component Layout, Unit 55 | 5.0.10.6-5.0.10.8 |
| Dist Comp Unit 55 | 5.0.10.4 |

MC-Simplex

Unit 45 DX Switching Maint Console

Panels A & B

7.2.1

Panels C & D

5.4.11.1 & 5.5.4.11.1

Controls

7.1.15

Unit 47 SX Maint Console

Component Index

5.0.11.1-5.0.11.14

Neon Charts

5.0.11.21-5.0.11.61

Simplex MC Control

| | |
|---|------------------------|
| Amplidyne Excursion Start-Stop | S 5.5.1.1 |
| Calculator Selection & Control | S 5.5.1.2 |
| Excursion FF | S 5.5.1.3 |
| -48V Distribution | S 5.5.2.1 |
| -48V & Equipment Bond Return | S 5.5.2.2 |
| Regulated AC Circuits | S 5.5.2.3 |
| Dynamic Timer | S 5.5.2.4 |
| Circuit Group Select | S 5.5.3.1 |
| Voltage Group | S 5.5.3.2 |
| Calculator Controlled Relays | S 5.5.4.1 |
| Mode Select | S 5.5.5.1 |
| Safe Limit Select | S 5.5.6.1 |
| MC Relay Select | S 5.5.7.1 |
| Field Reference Input | S 5.5.8.1 |
| Excursion Magnitude Select | S 5.5.8.2 |
| Amplidyne Control | S 5.5.9.1 |
| Voltage Contactor Control | S 5.5.10.1 |
| Indicator Lights | S 5.5.11.1 |
| Component Index Unit 58 | S 5.0.12.1-S 5.0.12.11 |
| Component Layout Unit 58 Mod "A" Panel 1-13 | 5.0.12.24 |

MC-Duplex

DX MC Controls

| | |
|-------------------------------------|-------------------|
| Amplidyne Excursion Start Stop | 5.5.1.1 |
| Control Calc. Selection & Control | 5.5.1.2 |
| No Two Interlock | 5.5.1.3 |
| Excursion FF | S 5.5.1.3 |
| -48V +72V Distribution | 5.5.2.1 |
| -48V Return | 5.5.2.2 |
| Reg AC Circuits | 5.5.2.3 |
| Dynamic Timer | 5.5.2.4 |
| Line Groupe Select | 5.5.3.1 |
| Voltage Group Select | 5.5.3.2 |
| Marginal Checking Groupe Select | 5.5.3.3 |
| Circuit Groupe Select | 5.5.3.4 |
| Calculator Controlled Relays | 5.5.4.1 |
| Mode Select | 5.5.5.1 |
| Safe Limit Selection | 5.5.6.1 |
| Intermediate Matrix | 5.5.7.1 |
| Circuit/Line Matrix & MCD Isolation | 5.5.7.2 |
| Component Index Unit 63 | 5.0.2.10-5.0.2.17 |
| Component Layout Mod "A" PCD A & B | 5.0.2.21 |

DX MC Control MC Relays

| | |
|-------------------|----------|
| Unit 19 Mod C & F | 5.5.7.17 |
| Unit 19 Mod D | 5.5.7.18 |
| Unit 19 Mod E | 5.5.7.3 |
| Unit 19 Mod E | 5.5.7.19 |
| Unit 19 Mod F | 5.5.7.4 |
| Unit 19 Mod G & K | 5.5.7.20 |
| Unit 19 Mod H & J | 5.5.7.21 |
| Unit 19 Mod K | 5.5.7.5 |

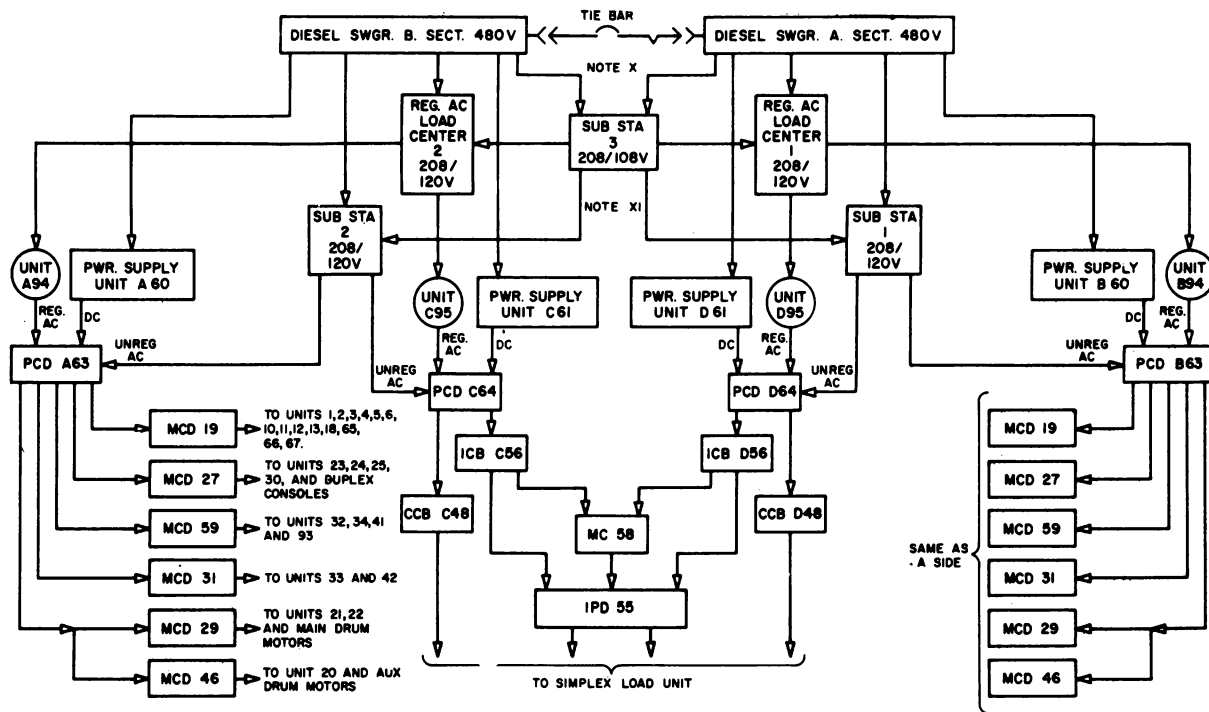
MC-Duplex (cont'd)

DX M.C. Controls

| | |
|----------------------------|-----------|
| Unit 19 Mod N | 5.5.7.6 |
| Unit 27 Mod - C, D, E, & F | 5.5.7.7 |
| Unit 29 Mod D | 5.5.7.8 |
| Unit 31 Mod B | 5.5.7.9 |
| Mod C | 5.5.7.10 |
| Unit 46 Mod D | 5.5.7.11 |
| Unit 59 Mod B | 5.5.7.12 |
| Mod C | 5.5.7.13 |
| Mod D | 5.5.7.14 |
| Mod G | 5.5.7.15 |
| Intercom Select | 5.5.7.16 |
| Field Reference Input | 5.5.8.1 |
| Excursion Magnitude Select | 5.5.8.2 |
| Satellite Distribution A | A 5.5.8.3 |
| Satellite Distribution B | B 5.5.8.3 |
| Amplidyne Control | 5.5.9.1 |
| Voltage Contractor Control | 5.5.10.1 |
| Indication Lights | 5.5.11.1 |
| Satellite Isolation | 5.5.12.1 |
| Intermediate Relay Select | 5.5.13.1 |

Miscellaneous

| | |
|--|----------|
| Component Layout - Standard Power Module | 5.0.3.11 |
|--|----------|



SIMPLIFIED BLOCK DIAGRAM OF POWER SYSTEM

PART 5

SECTION 2

MARGINAL CHECKING

MARGINAL CHECK WORD

| | | <u>Left Word</u> | |
|------------|------|-----------------------|-------------------------|
| <u>Bit</u> | | | |
| S | 1 | Start Excursion | |
| | 0 | Change Excursion | |
| 1 and 2 | 10 | Continue from 20,000 | Restart after excursion |
| | 11 | Load from Card Reader | |
| | 00 | Load from Drums | |
| | 01 | Continue from 00000 | |
| 3 and 4 | 10 | Continue from 20,000 | Second restart after |
| | 11 | Load from Card Reader | First excursion |
| | 00 | Load from Drums | |
| | 01 | Continue from 00000 | |
| 5 and 6 | 00 | Infinite | Time duration |
| | 01 | 3 seconds | |
| | 10 | 7 seconds | |
| | 11 | 30 seconds | |
| 7 | 0 | Positive | Excursion Polarity |
| | 1 | Negative | |
| 8 | 0 | 100 V | Excursion Safe Limit |
| | 1 | 25 V | |
| 9 to 12 | 0000 | 0 Volts | Excursion Magnitude |
| | 0001 | 10 Volts | |
| | 0010 | 12 Volts | |
| | 0011 | 14 Volts | |
| | 0100 | 16 Volts | |
| | 0101 | 18 Volts | |
| | 0110 | 20 Volts | |
| | 0111 | 25 Volts | |
| | 1000 | 30 Volts | |
| | 1001 | 35 Volts | |
| | 1010 | 40 Volts | |
| | 1011 | 50 Volts | |
| | 1100 | 60 Volts | |
| | 1101 | 70 Volts | |
| | 1110 | 85 Volts | |
| | 1111 | 100 Volts | |
| 13 to 15 | 001 | +250 Volts | Voltage Group |
| | 010 | +150 Volts | |
| | 011 | +90 Volts | |
| | 100 | -150 Volts | |
| | 101 | -300 Volts | |

Right Word

| | | | |
|--------|------|--------------------------|-------------|
| S to 3 | 0000 | Not used | M. C. Group |
| | 0001 | MC-1 Memory | |
| | 0010 | MC-2 Arithmetic | |
| | 0011 | MC-3 Program and Control | |
| | 0100 | MC-4 I/O Control | |
| | 0101 | MC-5 Drums | |
| | 0110 | MC-6 Displays | |
| | 0111 | MC-7 Inputs | |
| | 1000 | MC-8 Outputs | |
| | 1001 | MC-9 Simplex equipment | |

MARGINAL CHECK WORD (cont'd)

Bit

4 to 9 _____ 000 000 A to F _____ M. C. Circuit

100 000 A

010 000 B

001 000 C

000 100 D

000 010 E

000 001 F

10 to 15 _____ 000 000 1 to 6 _____ M. C. Line

100 000 1

010 000 2

001 000 3

000 100 4

000 010 5

000 001 6

MC-9 only *Simplex*

10 to 15 _____ 000 000 G to M _____ M. C. Line

100 000 G

010 000 H

001 000 J

000 100 K

000 010 L

000 001 M

INTRODUCTION

Marginal Checking breakdowns are given for the Marginal Checking groups MC-1 through MC-9. The breakdowns are presented as IBM listings with heading as explained in the legend below.

| | |
|----------------|---|
| V | Voltage Group Selection |
| MC | MC Group Selection |
| C/L | Circuit/Line Selection |
| FR | Load Unit |
| TYPE | Circuit Type |
| DESCRIPTION | Logical Function |
| MC (X) SUM 001 | Page number of summary MC (X) listing |
| 07/01/58 | Date of listing |
| LOGIC | Number of Logical Block Schematic drawing |

MC-1

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-1 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|-----------|-------------------------------|------|----------|---------|
| 6250 | A5 | 65 | BJ | 246-9 | B5 | CR XU SELECTION | | | 0-2.1.5 |
| 6250 | A6 | 65 | RG | 246-9 | B5 | CR XV SELECTION | | | 0-2.1.5 |
| 6250 | B5 | 67 | DJ | 246-9 | B5 | CR YU SELECTION | | | 0-2.1.5 |
| 6250 | B6 | 67 | DG | 246-9 | B5 | CR YV SELECTION | | | 0-2.1.5 |
| 6250 | C2 | 65 | BU | 1-7 | B5 | PCA MAR R15 | | | 0-2.1.5 |
| 6250 | C2 | 65 | BV | 1-7 | B5 | PCA MAR R14 | | | 0-2.1.5 |
| 6250 | C2 | 65 | BW | 1-7 | B5 | PCA MAR R13 | | | 0-2.1.5 |
| 6250 | C2 | 65 | BX | 1-7 | B5 | PCA MAR R12 | | | 0-2.1.5 |
| 6250 | C2 | 65 | BY | 1-7 | B5 | PCA MAR R11 | | | 0-2.1.5 |
| 6250 | C2 | 65 | B1 | 1-7 | B5 | PCA MAR R10 | | | 0-2.1.5 |
| 6250 | C2 | 65 | B2 | 1-7 | B5 | PCA MAR R9 | | | 0-2.1.5 |
| 6250 | C2 | 65 | B3 | 1-7 | B5 | PCA MAR R8 | | | 0-2.1.5 |
| 6250 | C2 | 67 | DU | 1-7 | B5 | PCA MAR R7 | | | 0-2.1.5 |
| 6250 | C2 | 67 | DV | 1-7 | B5 | PCA MAR R6 | | | 0-2.1.5 |
| 6250 | C2 | 67 | DW | 1-7 | B5 | PCA MAR R5 | | | 0-2.1.5 |
| 6250 | C2 | 67 | DX | 1-7 | B5 | PCA MAR R4 | | | 0-2.1.5 |
| 6250 | C2 | 67 | DY | 1-7 | B5 | PCA MAR R3 | | | 0-2.1.5 |
| 6250 | C2 | 67 | D1 | 1-7 | B5 | PCA MAR R2 | | | 0-2.1.5 |
| 6250 | C2 | 67 | D2 | 1-7 | B5 | PCA MAR R1 | | | 0-2.1.5 |
| 6250 | C2 | 67 | D3 | 1-7 | B5 | PCA MAR R0 | | | 0-2.1.5 |
| 6250 | C5 | 67 | BF | 456 | D6 | PCF INH GG | | | 0-2.1.4 |
| 6250 | C5 | 67 | BH | 456 | D6 | PCF INH GG | | | 0-2.1.4 |
| 6250 | C5 | 67 | CF | 456 | D6 | PCF INH GG | | | 0-2.1.4 |
| 6250 | C5 | 65 | CF | 456 | D6 | PCF INH GG | | | 0-2.1.4 |
| 6250 | C5 | 67 | CH | 456 | D6 | PCF INH GG | | | 0-2.1.4 |
| 6250 | C5 | 65 | CH | 456 | D6 | PCF INH GG | | | 0-2.1.4 |
| 6250 | C5 | 65 | DF | 456 | D6 | PCF INH GG | | | 0-2.1.4 |
| 6250 | C5 | 65 | DH | 456 | D6 | PCF INH GG | | | 0-2.1.4 |
| 6250 | D1 | 11 | XA | | E10-15-31 | CMD X DRIVER PANEL A | | | 0.1.5 |
| 6250 | D2 | 11 | XB | | E10-16-31 | CMD X DRIVER PANEL B | | | 0.1.5 |
| 6250 | D3 | 11 | XC | | E10-17-31 | CMD X DRIVER PANEL C | | | 0.1.5 |
| 6250 | D4 | 11 | XD | | E10-18-31 | CMD X DRIVER PANEL D | | | 0.1.5 |
| 6250 | E1 | 11 | YA | | E10-10-31 | CMD Y DRIVER PANEL A | | | 0.1.5 |
| 6250 | E2 | 11 | YB | | E10-11-31 | CMD Y DRIVER PANEL B | | | 0.1.5 |
| 6250 | E3 | 11 | YC | | E10-12-31 | CMD Y DRIVER PANEL C | | | 0.1.5 |
| 6250 | E4 | 11 | YD | | E10-13-31 | CMD Y DRIVER PANEL D | | | 0.1.5 |
| 6250 | E5 | 10 | AD | 3-7 | B5 | PCF INHIBIT | | | 0.1.4 |
| 6250 | E5 | 12 | CD | 3-7 | B5 | PCF INHIBIT | | | 0.1.4 |
| 6250 | F1 | 11 | XA | | E10-14-30 | MOA X MATRIX OUTPUT AMPLIFIER | | | 0.1.5 |
| 6250 | F1 | 11 | XB | | E10-14-30 | MOA X MATRIX OUTPUT AMPLIFIER | | | 0.1.5 |
| 6250 | F1 | 11 | XC | | E10-14-30 | MOA X MATRIX OUTPUT AMPLIFIER | | | 0.1.5 |
| 6250 | F1 | 11 | XD | | E10-14-30 | MOA X MATRIX OUTPUT AMPLIFIER | | | 0.1.5 |
| 6250 | F2 | 11 | YA | | E10-09-30 | MOA Y MATRIX OUTPUT AMPLIFIER | | | 0.1.5 |
| 6250 | F2 | 11 | YB | | E10-09-30 | MOA Y MATRIX OUTPUT AMPLIFIER | | | 0.1.5 |
| 6250 | F2 | 11 | YC | | E10-09-30 | MOA Y MATRIX OUTPUT AMPLIFIER | | | 0.1.5 |
| 6250 | F2 | 11 | YD | | E10-09-30 | MOA Y MATRIX OUTPUT AMPLIFIER | | | 0.1.5 |
| 6250 | F3 | 10 | CC | 1245 | B5 | MGG X MEN GATE GEN RD ODD | | | 0.1.5 |

MC-1

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-1 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|----------------------------|------|----------|---------|
| 6250 | F3 | 10 | CG | 1245 | B5 | MGG X MEN GATE GEN RD EVEN | | | 0.1.5 |
| 6250 | F4 | 10 | CE | 1245 | B5 | MGG X MEN GATE GEN WR ODD | | | 0.1.5 |
| 6250 | F4 | 10 | CJ | 1245 | B5 | MGG X MEN GATE GEN WR EVEN | | | 0.1.5 |
| 6250 | F5 | 12 | AC | 1245 | B5 | MGG Y MEM GATE GEN RD ODD | | | 0.1.5 |
| 6250 | F5 | 12 | AG | 1245 | B5 | MGG Y MEM GATE GEN RD EVEN | | | 0.1.5 |
| 6250 | F6 | 12 | AE | 1245 | B5 | MGG Y MEM GATE GEN WR ODD | | | 0.1.5 |
| 6250 | F6 | 12 | AJ | 1245 | B5 | MGG Y MEM GATE GEN WR EVEN | | | 0.1.5 |
| 6150 | A2 | 67 | AG | 34 | B6 | CF Y RGG | | | 0-2.1.4 |
| 6150 | A2 | 65 | EG | 34 | B6 | CF X RGG | | | 0-2.1.4 |
| 6150 | A2 | 65 | AM | 3 | B5 | CF SAMPLE GG | | | 0-2.1.4 |
| 6150 | B1 | 65 | AN | 3-7 | G5 | PCF IA DSL | | | 0-2.1.5 |
| 6150 | B2 | 67 | AC | 2-5 | | SWD YV SELECTION | | | 0-2.1.5 |
| 6150 | B2 | 67 | AD | 2-5 | | SWD YV SELECTION | | | 0-2.1.5 |
| 6150 | B2 | 67 | AE | 2-5 | | SWD YV SELECTION | | | 0-2.1.5 |
| 6150 | B2 | 67 | AF | 23 | | SWD YV SELECTION | | | 0-2.1.5 |
| 6150 | B2 | 67 | BC | 2-7 | | SWD YV SELECTION | | | 0-2.1.5 |
| 6150 | B2 | 67 | BD | 2-7 | | SWD YV SELECTION | | | 0-2.1.5 |
| 6150 | B2 | 67 | BE | 2-7 | | SWD YV SELECTION | | | 0-2.1.5 |
| 6150 | B3 | 67 | CC | 2-7 | | SWD YU SELECTION | | | 0-2.1.5 |
| 6150 | B3 | 67 | CD | 2-7 | | SWD YU SELECTION | | | 0-2.1.5 |
| 6150 | B3 | 67 | CE | 2-7 | | SWD YU SELECTION | | | 0-2.1.5 |
| 6150 | B3 | 67 | CJ | 2-7 | | SWD YU SELECTION | | | 0-2.1.5 |
| 6150 | B3 | 67 | DC | 2-7 | | SWD YU SELECTION | | | 0-2.1.5 |
| 6150 | B3 | 67 | DD | 2-7 | | SWD YU SELECTION | | | 0-2.1.5 |
| 6150 | B3 | 67 | DE | 2-7 | | SWD YU SELECTION | | | 0-2.1.5 |
| 6150 | B3 | 67 | DF | 2-7 | | SWD YU SELECTION | | | 0-2.1.5 |
| 6150 | D1 | 10 | AF | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AG | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AH | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AJ | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AK | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AL | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AM | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AN | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AP | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AR | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AS | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AT | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AU | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AV | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AW | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AX | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 10 | AY | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CG | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CH | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CJ | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CK | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CL | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CM | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CN | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CP | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CS | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CT | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CU | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CV | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CW | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CX | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D1 | 12 | CY | 1-5 | G5 | SA SENSE AMPLIFIER | | | 0.1.6 |
| 6150 | D2 | 65 | DC | 2-7 | | SWD XV SELECTION | | | 0-2.1.5 |
| 6150 | D2 | 65 | DD | 2-7 | | SWD XV SELECTION | | | 0-2.1.5 |
| 6150 | D2 | 65 | DE | 2-7 | | SWD XV SELECTION | | | 0-2.1.5 |

MC-1

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-1 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|-------|---------------------------|------|----------|---------|
| 6150 | D2 | 65 | EC | 2-5 | | SWD | XV SELECTION | | | 0-2.1.5 |
| 6150 | D2 | 65 | ED | 2-5 | | SWD | XV SELECTION | | | 0-2.1.5 |
| 6150 | D2 | 65 | EE | 2-5 | | SWD | XV SELECTION | | | 0-2.1.5 |
| 6150 | D2 | 65 | EF | 45 | | SWD | XV SELECTION | | | 0-2.1.5 |
| 6150 | D3 | 65 | AC | 2-7 | | SWD | XU SELECTION | | | 0-2.1.5 |
| 6150 | D3 | 65 | BC | 2-7 | | SWD | XU SELECTION | | | 0-2.1.5 |
| 6150 | D3 | 65 | BD | 2-7 | | SWD | XU SELECTION | | | 0-2.1.5 |
| 6150 | D3 | 65 | BE | 2-7 | | SWD | XU SELECTION | | | 0-2.1.5 |
| 6150 | D3 | 65 | BF | 2-7 | | SWD | XU SELECTION | | | 0-2.1.5 |
| 6150 | D3 | 65 | CC | 2-7 | | SWD | XU SELECTION | | | 0-2.1.5 |
| 6150 | D3 | 65 | CD | 2-7 | | SWD | XU SELECTION | | | 0-2.1.5 |
| 6150 | D3 | 65 | CE | 2-7 | | SWD | XU SELECTION | | | 0-2.1.5 |
| 6150 | E1 | 10 | CP | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 10 | CR | 1-9 | D5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 10 | CS | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 10 | CT | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 10 | CU | 1-9 | D5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 10 | CV | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 10 | CW | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 10 | CX | 1-9 | D5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 10 | CY | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 12 | AP | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 12 | AR | 1-9 | D5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 12 | AS | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 12 | AT | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 12 | AU | 1-9 | D5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 12 | AV | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 12 | AW | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 12 | AX | 1-9 | D5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | E1 | 12 | AY | 3-7 | G5 | CPCFX | MEM ADR REG | | | 0.1.5 |
| 6150 | F1 | 12 | CF | 3 | D5 | CF | SAMPLE GATE GEN | | | 0.1.4 |
| 6150 | F1 | 10 | CL | 1289 | B6 | CF | X RD-WR GATE GEN | | | 0.1.4 |
| 6150 | F1 | 12 | AL | 1289 | B6 | CF | Y RD-WR GATE GEN | | | 0.1.4 |
| 690 | B1 | 65 | AJ | 26 | D6 | DD | MPD 1 | | | 0-2.1.4 |
| 690 | B1 | 65 | AK | 8 | G6 | DD | MPD 2 | | | 0-2.1.4 |
| 690 | B1 | 65 | AL | 1 | B5 | DD | MPD 3 | | | 0-2.1.4 |
| 690 | B1 | 67 | AJ | 1 | B5 | PA | MPD 4 | | | 0-2.1.4 |
| 690 | B1 | 65 | AH | 7 | G6 | PA | CL MEM CONTROLS | | | 0-2.1.4 |
| 690 | B1 | 65 | AH | 12 | B6 | GT | DPD SEL GATES L W | | | 0-2.1.4 |
| 690 | B1 | 65 | AG | 127 | B6G6 | GT | DPD SELECT GATES RW | | | 0-2.1.4 |
| 690 | B1 | 65 | AM | 4 | B6 | GT | SAMPLE GG | | | 0-2.1.4 |
| 690 | B2 | 67 | AK | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AL | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AM | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AN | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AP | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AR | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AS | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AT | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AU | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AV | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AW | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AX | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AY | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | AI | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | A2 | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 67 | A3 | 5 | D5 | SA | SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | EJ | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | EK | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | EL | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | EM | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | EN | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | EP | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | ER | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | ES | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | ET | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | EU | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | EV | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | EW | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | EX | 5 | D5 | SA | SENSE AMP LEFT H WORD | | | 0-2.1.6 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-1 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|------|------------------------------|------|----------|---------|
| 690 | B2 | 65 | EY | 5 | D5 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | E1 | 5 | D5 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | E2 | 5 | D5 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B2 | 65 | E3 | 5 | D5 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AK | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AL | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AM | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AN | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AP | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AR | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AS | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AT | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AU | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AV | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AW | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AX | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | AY | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | A1 | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | A2 | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 67 | A3 | 5 | D6 | SA SENSE AMP RIGHT HALF WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EJ | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EK | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EL | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EM | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EN | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EP | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | ER | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | ES | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | ET | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EU | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EV | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EW | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EX | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | EY | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | E1 | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | E2 | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | B3 | 65 | E3 | 5 | D6 | SA SENSE AMP LEFT H WORD | | | 0-2.1.6 |
| 690 | D1 | 10 | CE | 1245 | B6 | MGG X MEN GATE GEN WR ODD | | | 0.1.5 |
| 690 | D1 | 10 | CJ | 1245 | B6 | MGG X MEN GATE GEN WR EVEN | | | 0.1.5 |
| 690 | D2 | 10 | CC | 1245 | B6 | MGG X MEN GATE GEN RD ODD | | | 0.1.5 |
| 690 | D2 | 10 | CG | 1245 | B6 | MGG X MEN GATE GEN RD EVEN | | | 0.1.5 |
| 690 | D3 | 12 | AC | 1245 | B6 | MGG Y MEM GATE GEN RD ODD | | | 0.1.5 |
| 690 | D3 | 12 | AG | 1245 | B6 | MGG Y MEM GATE GEN RD EVEN | | | 0.1.5 |
| 690 | D4 | 12 | AE | 1245 | B6 | MGG Y MEM GATE GEN WR ODD | | | 0.1.5 |
| 690 | D4 | 12 | AJ | 1245 | B6 | MGG Y MEM GATE GEN WR EVEN | | | 0.1.5 |
| 690 | E1 | 10 | AC | 26 | B6D6 | DD MEM PULSE DISTURB | | | 0.1.4 |
| 690 | E1 | 10 | BD | 5 | D6 | DD MEM PULSE DISTRIB | | | 0.1.4 |
| 690 | E1 | 10 | BC | 2 | D6 | DD MEM PULSE DISTRIB | | | 0.1.4 |
| 690 | E3 | 10 | BF | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BG | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BH | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BJ | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BK | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BL | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BM | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BN | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BP | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BR | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BS | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BT | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BU | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BV | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BW | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BX | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 10 | BY | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BG | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |

MC-1

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-1 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------------------------|------|----------|---------|
| 690 | E3 | 12 | BH | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BJ | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BK | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BL | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BM | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BN | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BP | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BR | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BS | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BT | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BU | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BV | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BW | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BX | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | E3 | 12 | BY | 2-5 | B6 | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| 690 | F1 | 10 | AF | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AG | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AH | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AJ | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AK | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AL | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AM | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AN | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AP | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AR | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AS | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AT | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AU | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AV | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AW | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AX | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 10 | AY | 6 | G6 | GT SAMPLE L HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CF | 3 | B6 | GT SAMPLE GATE GEN | | | 0.1.6 |
| 690 | F1 | 12 | CG | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CH | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CJ | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CK | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CL | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CM | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CN | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CP | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CR | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CS | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CT | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CU | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CV | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CW | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CX | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CY | 6 | G6 | GT SAMPLE R HALF WORD | | | 0.1.6 |
| 690 | F1 | 12 | CF | 4 | D6 | GT SAMPLE GATE GEN | | | 0.1.6 |
| -150 | A1 | 65 | AN | 12 | B7 | AFF IA Deselect | | | 0-2.1.5 |
| -150 | A1 | 65 | BU | 89 | D7 | AFF MAR R15 | | | 0-2.1.5 |
| -150 | A1 | 65 | BV | 89 | D7 | AFF MAR R14 | | | 0-2.1.5 |
| -150 | A1 | 65 | BW | 89 | D7 | AFF MAR R13 | | | 0-2.1.5 |
| -150 | A1 | 65 | BX | 89 | D7 | AFF MAR R12 | | | 0-2.1.5 |
| -150 | A1 | 65 | BY | 89 | D7 | AFF MAR R11 | | | 0-2.1.5 |
| -150 | A1 | 65 | B1 | 89 | D7 | AFF MAR R10 | | | 0-2.1.5 |
| -150 | A1 | 65 | B2 | 89 | D7 | AFF MAR R9 | | | 0-2.1.5 |
| -150 | A1 | 65 | B3 | 89 | D7 | AFF MAR R8 | | | 0-2.1.5 |
| -150 | A1 | 67 | DU | 89 | D7 | AFF MAR R7 | | | 0-2.1.5 |
| -150 | A1 | 67 | DV | 89 | D7 | AFF MAR R6 | | | 0-2.1.5 |
| -150 | A1 | 67 | DW | 89 | D7 | AFF MAR R5 | | | 0-2.1.5 |
| -150 | A1 | 67 | DX | 89 | D7 | AFF MAR R4 | | | 0-2.1.5 |
| -150 | A1 | 67 | DY | 89 | D7 | AFF MAR R3 | | | 0-2.1.5 |
| -150 | A1 | 67 | D1 | 89 | D7 | AFF MAR R2 | | | 0-2.1.5 |
| -150 | A1 | 67 | D2 | 89 | D7 | AFF MAR R1 | | | 0-2.1.5 |
| -150 | A1 | 67 | D3 | 89 | D7 | AFF MAR RS | | | 0-2.1.5 |
| -150 | A2 | 67 | AG | 1256 | B7 | AFF Y RGG | | | 0-2.1.4 |
| -150 | A2 | 65 | EG | 1256 | B7 | AFF X RGG | | | 0-2.1.4 |
| -150 | A3 | 65 | AM | 12 | B7 | AFF SAMPLE GG | | | 0-2.1.4 |
| -150 | A3 | 67 | BF | 12 | B7 | AFF INH GG | | | 0-2.1.4 |
| -150 | A3 | 67 | BH | 12 | B7 | AFF INH GG | | | 0-2.1.4 |

MC-1

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-1 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|----------------------|------|----------|---------|
| -150 | A3 | 67 | CF | 12 | B7 | AFF INH GG | | | 0-2.1.4 |
| -150 | A3 | 67 | CH | 12 | B7 | AFF INH GG | | | 0-2.1.4 |
| -150 | A3 | 65 | CF | 12 | B7 | AFF INH GG | | | 0-2.1.4 |
| -150 | A3 | 65 | CH | 12 | B7 | AFF INH GG | | | 0-2.1.4 |
| -150 | A3 | 65 | DF | 12 | B7 | AFF INH GG | | | 0-2.1.4 |
| -150 | A3 | 65 | DH | 12 | B7 | AFF INH GG | | | 0-2.1.4 |
| -150 | A5 | 65 | A3 | 123567B7 | | BFN TAPE CORE BIAS | | | 0-2.1.5 |
| -150 | A6 | 65 | A1 | 123567B7 | | BFN TAPE CORE BIAS | | | 0-2.1.5 |
| -150 | C1 | 65 | BG | 246-9 | D7 | CR XV SELECTION | | | 0-2.1.5 |
| -150 | C2 | 65 | BJ | 246-9 | D7 | CR XU SELECTION | | | 0-2.1.5 |
| -150 | C3 | 67 | DG | 246-9 | D7 | CR YV SELECTION | | | 0-2.1.5 |
| -150 | C4 | 67 | DJ | 246-9 | D7 | CR YU SELECTION | | | 0-2.1.5 |
| -150 | D1 | 10 | CP | 12 | B7 | AFF X MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 10 | CS | 12 | B7 | AFF X MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 10 | CT | 12 | B7 | AFF X MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 10 | CV | 12 | B7 | AFF X MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 10 | CW | 12 | B7 | AFF X MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 10 | CY | 12 | B7 | AFF X MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 12 | AP | 12 | B7 | AFF Y MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 12 | AS | 12 | B7 | AFF Y MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 12 | AT | 12 | B7 | AFF Y MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 12 | AV | 12 | B7 | AFF Y MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 12 | AW | 12 | B7 | AFF Y MEM ADR REG | | | 0.1.5 |
| -150 | D1 | 12 | AY | 12 | B7 | AFF Y MEM ADR REG | | | 0.1.5 |
| -150 | D2 | 10 | CL | 3467 | B7 | AFF X RD-WR GATE GEN | | | 0.1.4 |
| -150 | D2 | 12 | AL | 3467 | B7 | AFF Y RD-WR GATE GEN | | | 0.1.4 |
| -150 | D3 | 10 | AD | 12 | B7 | AFF INHIBIT | | | 0.1.4 |
| -150 | D3 | 12 | CD | 12 | B7 | AFF INHIBIT | | | 0.1.4 |
| -150 | D3 | 12 | CF | 12 | B7 | AFF INHIBIT SAMPLE | | | 0.1.4 |
| -150 | E1 | 10 | AF | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AG | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AH | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AJ | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AK | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AL | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AM | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AN | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AP | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AR | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AS | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AT | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AU | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AV | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AW | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AX | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 10 | AY | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CG | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CH | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CJ | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CK | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CL | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CM | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CN | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CP | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CR | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CS | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CT | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CU | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CV | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |
| -150 | E1 | 12 | CW | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0.1.6 |

MC-1

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-1 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------------------------------|------|----------|---------|
| -150 | E1 | 12 | CX | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0-1.6 |
| -150 | E1 | 12 | CY | 1-5 | B7 | SA-1SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AF | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AG | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AH | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AJ | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AK | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AL | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AM | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AN | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AP | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AR | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AS | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AT | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AU | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AV | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AW | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AX | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 10 | AY | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CG | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CH | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CJ | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CK | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CL | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CM | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CN | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CP | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CR | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CS | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CT | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CU | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CV | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CW | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CX | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -150 | F1 | 12 | CY | 1-5 | D7 | SA-2SENSE AMPLIFIER | | | 0-1.6 |
| -300 | A1 | 67 | BK | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BL | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BM | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BN | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BP | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BR | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BS | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BT | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BU | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BV | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BW | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BX | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | BY | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | B1 | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | B2 | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | B3 | 1-7 | D8 | DPD RIGHT HALF WORD | | | 0-2-1.6 |
| -300 | A1 | 67 | CK | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CL | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CM | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CN | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CP | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CR | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CS | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CT | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CU | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CV | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CW | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CX | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | CY | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | C1 | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | C2 | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 67 | C3 | 1-7 | D8 | DPD DIGIT PLANE DRIVER RIGHT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 65 | CJ | 1-7 | D8 | DPD DIGIT PLANE DRIVERS LEFT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 65 | CK | 1-7 | D8 | DPD DIGIT PLANE DRIVERS LEFT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 65 | CL | 1-7 | D8 | DPD DIGIT PLANE DRIVERS LEFT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 65 | CM | 1-7 | D8 | DPD DIGIT PLANE DRIVERS LEFT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 65 | CN | 1-7 | D8 | DPD DIGIT PLANE DRIVERS LEFT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 65 | CP | 1-7 | D8 | DPD DIGIT PLANE DRIVERS LEFT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 65 | CR | 1-7 | D8 | DPD DIGIT PLANE DRIVERS LEFT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 65 | CS | 1-7 | D8 | DPD DIGIT PLANE DRIVERS LEFT | H | WURDO | 0-2-1.6 |
| -300 | A1 | 65 | CT | 1-7 | D8 | DPD DIGIT PLANE DRIVERS LEFT | H | WURDO | 0-2-1.6 |

MC-1

| | V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-1 | 05/01/60 | LOGIC |
|------|----|-----|----|------|-------|------|----------------------------|------|----------|-------|
| -300 | D1 | 12 | 8W | 2-5 | D8 | | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| -300 | D1 | 12 | 8X | 2-5 | D8 | | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| -300 | D1 | 12 | 8Y | 2-5 | D8 | | DPD DIGIT PLANE DRIVER | | | 0.1.6 |
| -300 | E1 | 10 | CE | 1245 | D8 | | MGG X MEM GATE GEN WR ODD | | | 0.1.5 |
| -300 | E1 | 10 | CJ | 1245 | D8 | | MGG X MEM GATE GEN WR EVEN | | | 0.1.5 |
| -300 | E1 | 12 | AE | 1245 | D8 | | MGG Y MEM GATE GEN WR ODD | | | 0.1.5 |
| -300 | E1 | 12 | AJ | 1245 | D8 | | MGG Y MEM GATE GEN WR EVEN | | | 0.1.5 |
| -300 | E2 | 10 | CC | 1245 | D8 | | MGG X MEM GATE GEN RD ODD | | | 0.1.5 |
| -300 | E2 | 10 | CG | 1245 | D8 | | MGG X MEM GATE GEN RD EVEN | | | 0.1.5 |
| -300 | E2 | 12 | AC | 1245 | D8 | | MGG X MEM GATE GEN RD ODD | | | 0.1.5 |
| -300 | E2 | 12 | AG | 1245 | D8 | | MGG X MEM GATE GEN RD EVEN | | | 0.1.5 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|--------|------|------------------------------|-------------|----------|---------|
| 6250 | A1 | 02 | NF | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NG | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NH | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NJ | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NK | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NL | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NN | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NM | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NP | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NR | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NS | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NT | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NU | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NV | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NW | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NX | 567 | B5 | PCF | L TEST MEM ADR MATRIX OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NC | 345 | B5 | PCF | L TEST MEM ADDR REG OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | ND | 345 | B5 | PCF | L TEST MEM ADDR REG OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | PC | 345 | B5 | PCF | L TEST MEM ADDR REG OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | PD | 345 | B5 | PCF | L TEST MEM ADDR REG OUTPUT | | | 0.1+3 |
| 6250 | A1 | 02 | NY | 567 | B5 | PCF | TEST MEM SWITCH REG A | | | 0.1+3 |
| 6250 | A1 | 02 | PY | 567 | B5 | PCF | TEST MEM SWITCH REG B | | | 0.1+3 |
| | | | | | | | | | | |
| 6250 | B1 | 02 | DY | 456 | B5 | LA | COMPARE | | | 0+6+2 |
| 6250 | B1 | 03 | DY | 456 | B5 | LA | COMPARE | | | 0+6+2 |
| | | | | | | | | | | |
| 6150 | A1 | 02 | EE | 5 | G5 | CF | LEFT ADD COMPARE | | | 0+5+1-2 |
| 6150 | A1 | 02 | DE | 56 | G5 | CF | L ACC SIGN CONTROL | | | 0+5+1-2 |
| 6150 | A1 | 02 | CF | 4568 | G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DF | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DG | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DH | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DJ | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DK | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DL | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DM | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DN | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DP | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DR | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DS | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DT | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DU | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DV | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DW | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | DX | 1-7 | B6D5G5 | CF | L ACC | | | 0+5+1-2 |
| 6150 | A1 | 02 | EC | 56 | G5 | CF | L ADDER END EFFECTS | AUX OFLOW | | 0+5+1-2 |
| 6150 | A1 | 02 | ED | 56 | G5 | CF | L ADDER END EFFECTS | DIVIDE CONN | | 0+5+1-2 |
| 6150 | A1 | 02 | EE | 56 | G5 | CF | L ADDER END EFFECTS | CARRY STORE | | 0+5+1-2 |
| 6150 | A1 | 03 | CF | 4568 | G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DE | 56 | G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DF | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DG | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DH | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DJ | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DK | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DL | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DM | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DN | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DP | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DR | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DS | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DT | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DU | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DV | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DW | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | DX | 1-7 | B6D5G5 | CF | R ACC | | | 0+5+2-2 |
| 6150 | A1 | 03 | EC | 56 | G5 | CF | R ADDER END EFFECTS | | | 0+5+2-2 |
| 6150 | A1 | 03 | ED | 56 | G5 | CF | R ADDER END EFFECTS | | | 0+5+2-2 |
| 6150 | A1 | 03 | EE | 56 | G5 | CF | R ADDER END EFFECTS | | | 0+5+2-2 |
| 6150 | A1 | 03 | EE | 5 | G5 | CF | RIGHT ADD COMPARE | | | 0+5+2-2 |
| | | | | | | | | | | |
| 6150 | A2 | 02 | BF | 1-7 | B6D5G5 | CF | L B REG | | | 0+5+1-3 |
| 6150 | A2 | 02 | BG | 35 | D5 | CF | L B REG | | | 0+5+1-3 |
| 6150 | A2 | 02 | BH | 35 | D5 | CF | L B REG | | | 0+5+1-3 |
| 6150 | A2 | 02 | BJ | 35 | D5 | CF | L B REG | | | 0+5+1-3 |
| 6150 | A2 | 02 | BK | 35 | D5 | CF | L B REG | | | 0+5+1-3 |
| 6150 | A2 | 02 | BL | 35 | D5 | CF | L B REG | | | 0+5+1-3 |

MC-2

| V C-L FR PU TUBES PINS | | | | | TYPE DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|------------------------|----|----|------|--------|-----------------------------------|------|----------|---------|
| 6150 A2 | 02 | BM | 35 | D5 | CF L B REG | | | 0.5.1-3 |
| 6150 A2 | 02 | BN | 35 | D5 | CF L B REG | | | 0.5.1-3 |
| 6150 A2 | 02 | BP | 35 | D5 | CF L B REG | | | 0.5.1-3 |
| 6150 A2 | 02 | BR | 35 | D5 | CF L B REG | | | 0.5.1-3 |
| 6150 A2 | 02 | BS | 35 | D5 | CF L B REG | | | 0.5.1-3 |
| 6150 A2 | 02 | BT | 35 | D5 | CF L B REG | | | 0.5.1-3 |
| 6150 A2 | 02 | BU | 35 | D5 | CF L B REG | | | 0.5.1-3 |
| 6150 A2 | 02 | BV | 35 | D5 | CF L B REG | | | 0.5.1-3 |
| 6150 A2 | 02 | BW | 35 | D5 | CF L B REG | | | 0.5.1-3 |
| 6150 A2 | 02 | BX | 35 | D5 | CF L B REG | | | 0.5.1-3 |
| 6150 A2 | 02 | BD | 56 | G5 | CF L B REG S STORE | | | 0.5.1-3 |
| 6150 A2 | 02 | FF | 1-7 | 86D5G5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FG | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FH | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FJ | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FK | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FL | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FM | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FN | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FP | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FR | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FS | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FT | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FU | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FV | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FW | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 02 | FX | 3456 | D5 | CF L A REG | | | 0.5.1 |
| 6150 A2 | 03 | BD | 56 | G5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BF | 1-7 | 86D5G5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BG | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BH | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BJ | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BK | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BL | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BM | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BN | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BP | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BR | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BS | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BT | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BU | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BV | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BW | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | BX | 35 | D5 | CF R B REG | | | 0.5.2-3 |
| 6150 A2 | 03 | FF | 1-7 | 86D5G5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FD | 345 | D5 | CF R A REG L SIGN | | | 0.5.2 |
| 6150 A2 | 03 | FG | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FH | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FJ | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FK | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FL | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FM | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FN | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FP | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FR | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FS | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FT | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FU | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FV | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FW | 3456 | D5 | CF R A REG | | | 0.5.2 |
| 6150 A2 | 03 | FX | 3456 | D5 | CF R A REG | | | 0.5.2 |
| | | | | | | | | |
| 6150 A3 | 02 | MF | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MG | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MH | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MJ | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MK | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | ML | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MM | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MN | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MP | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MR | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MS | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MT | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MU | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MV | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MW | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | MX | 3 | D5 | CF L TEST REG | | | 0.1.3 |
| 6150 A3 | 02 | NE | 1 | D5 | CF TEST MEM LIVE REG & ADR MATRIX | | | 0.1.3 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------|-----------------------|----------|----------|---------|
| 6150 | A3 | 02 | NY | 1 | D5 | CF | TEST MEM ADR MATRIX 6 | SW REG A | | 0.1.3 |
| 6150 | A3 | 02 | PY | 1 | D5 | CF | TEST MEM ADR MATRIX 6 | SW REG B | | 0.1.3 |
| 6150 | A3 | 03 | AF | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AG | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AH | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AJ | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AK | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AL | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AM | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AN | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AP | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AR | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AS | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AT | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AU | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AV | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AW | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | AX | 3 | D5 | CF | REAL TIME CLOCK REG | | | 0.2.6 |
| 6150 | A3 | 03 | MF | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MG | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MH | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MJ | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MK | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | ML | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MM | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MN | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MP | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MR | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | | MS | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MT | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MU | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | | MV | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MW | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 03 | MX | 3 | D5 | CF | R TEST REG | | | 0.1.3 |
| 6150 | A3 | 02 | DY | 2456 | 86 | CF | COMPARE | | | 0.6.2 |
| 6150 | A3 | | DY | 2456 | D5 | LA | COMPARE | | | 0.6.2 |
| 6150 | A3 | | AE | 4 | D5 | CF | REAL TIME CLOCK SYNC | | | 0.2.6 |
| | | | | | | | | | | |
| 6150 | A4 | 06 | BC | 57 | 85D5 | CF | INDEX REG 162 | COND MET | | 0.4.2 |
| 6150 | A4 | 06 | BF | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BG | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BH | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BJ | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BK | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BL | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BM | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BN | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BP | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BR | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BS | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BT | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BU | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BV | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BW | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | BX | 57 | 85D5 | CF | INDEX REGS 162 | | | 0.4.2 |
| 6150 | A4 | 06 | AC | 57 | 85D5 | CF | INDEX REGS 465 | COND MET | | 0.4.2 |
| 6150 | A4 | 06 | AF | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AG | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AH | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AJ | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AK | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AL | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AM | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AN | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AP | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AR | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AS | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AT | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AU | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AV | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AW | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| 6150 | A4 | 06 | AX | 57 | 85D5 | CF | INDEX REGS 465 | | | 0.4.2 |
| | | | | | | | | | | |
| 6150 | B1 | 02 | EF | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EG | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EH | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EJ | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EK | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |

MC-2

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------|---------------------|-------|----------|---------|
| 6150 | B1 | 02 | EL | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EM | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EN | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EP | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | ER | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | ES | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | ET | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EU | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EV | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EW | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 02 | EX | 569 | G5 | CF | L ADDER | | | 0.5.1-2 |
| 6150 | B1 | 03 | EF | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EG | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EH | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EJ | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EK | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EL | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EM | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EN | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EP | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | ER | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | ES | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | ET | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EU | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EV | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EW | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | B1 | 03 | EX | 569 | G5 | CF | R ADDER | | | 0.5.2-2 |
| 6150 | C1 | 02 | NF | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NG | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NH | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NJ | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NK | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NL | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NM | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NN | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NP | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NR | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NS | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NT | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NU | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NV | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NW | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | NX | 1 | D5 | CF | L TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PF | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PG | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PH | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PJ | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PK | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PL | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PM | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PN | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PP | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PR | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PS | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PT | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PU | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PV | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PW | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | C1 | 02 | PX | 1 | D5 | CF | R TEST MEM OUTPUT | | | 0.1.3 |
| 6150 | E1 | 03 | AY | 3 | D5 | ST | REAL TIME CLOCK OSC | | | 0.2.6 |
| 690 | A1 | 02 | CE | 7 | G5 | GT | L ACC TO L MEM BUF | 5 BIT | | 0.5.1-2 |
| 690 | A1 | 02 | CG | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CH | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CJ | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CK | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CL | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CM | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CN | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CP | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CR | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CS | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CT | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CU | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |
| 690 | A1 | 02 | CV | 3 | B5 | GT | L ACC TO L MEM BUF | | | 0.5.1-2 |

MC-2

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|---------|------|---------------------------------|------|----------|---------|
| 690 | A1 | 03 | CV | 3 | B5 | GT | R ACC TO R MEM BUF | | | 0.5.2-2 |
| 690 | A1 | 03 | CW | 3 | B5 | GT | R ACC TO R MEM BUF | | | 0.5.2-2 |
| 690 | A1 | 03 | CX | 3 | B5 | GT | R ACC TO R MEM BUF | | | 0.5.2-2 |
| 690 | A1 | 03 | FE | 3 | B5 | GT | R A REG TO R MEM BUF | | | 0.5.2 |
| 690 | A1 | 03 | MF | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MG | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MH | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MJ | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MK | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | ML | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MN | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MP | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MR | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MS | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MT | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MU | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MV | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MW | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | MX | 5 | D6 | GT | R TEST REG TO R MEM BUF | | | 0.1.3 |
| 690 | A1 | 03 | FG | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FH | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FJ | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FK | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FL | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FM | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FN | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FP | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FR | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FS | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FT | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FU | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FV | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FW | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| 690 | A1 | 03 | FX | 1 | B6 | GT | R A REG TO R MEM BFR | | | 0.5.2 |
| | | | | | | | | | | |
| 690 | A2 | 02 | BE | 5 | D5 | GT | L B REG ROUND OFF | | | 0.5.1-3 |
| 690 | A2 | 02 | CE | 6 | D6 | GT | L ACC BFM CONDITION MET | | | 0.5.1-2 |
| 690 | A2 | 02 | DE | 12789 | B5D6G67 | GT | L ACC END EFFECTS EXCEPT BFM GT | | | 0.5.1-2 |
| 690 | A2 | 02 | EC | 7 | D6 | GT | L ADDER END EFFECTS AUX OFLOW | | | 0.5.1-2 |
| 690 | A2 | 02 | ED | 78 | D6G6 | GT | L ADDER END EFFECTS DIVIDE CONN | | | 0.5.1-2 |
| 690 | A2 | 02 | EE | 789 | D6G67 | GT | L ADDER END EFFECTS CARRY STORE | | | 0.5.1-2 |
| 690 | A2 | 02 | FE | 4 | B6 | GT | L A REG TO L ACC SIGN CONTROL | | | 0.5.1 |
| 690 | A2 | 02 | FE | 59 | D5G7 | GT | L A REG TO L ADDER DSL | | | 0.5.1 |
| 690 | A2 | 02 | JF | 3 | D5 | GT | L MEM BUF TO I-O REG PARITY | | | 0.1.1 |
| 690 | A2 | 02 | JF | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JG | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JH | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JJ | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JK | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JL | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JM | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JN | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JP | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JR | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JS | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JT | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JU | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JV | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JW | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 02 | JX | 4578 | G56 | GT | L MBR TO L A B I-O 6 TEST REGS | | | 0.1.1 |
| 690 | A2 | 03 | BD | 79 | D6G7 | GT | R B REG END EFFECTS | | | 0.5.2-3 |
| 690 | A2 | 03 | BE | 5 | D5 | GT | R B REG ROUND OFF | | | 0.5.2-3 |
| 690 | A2 | 03 | CE | 6 | D6 | GT | R A C END EFFECTS | | | 0.5.2-2 |
| 690 | A2 | 03 | DE | 12789 | B5D6G67 | GT | R ACC END EFFECTS | | | 0.5.2-2 |
| 690 | A2 | 03 | EC | 7 | D6 | GT | R ADDER END EFFECTS | | | 0.5.2-2 |
| 690 | A2 | 03 | ED | 78 | D6G6 | GT | R ADDER END EFFECTS | | | 0.5.2-2 |
| 690 | A2 | 03 | EE | 2789 | B6D6G67 | GT | R ADDER END EFFECTS | | | 0.5.2-2 |
| 690 | A2 | 03 | FE | 4 | B6 | GT | R A REG TO SIGN CNTRL R ACC | | | 0.5.2 |
| 690 | A2 | 03 | FE | 59 | D5G7 | GT | R A REG END EFFECTS TO R ADDER | | | 0.5.2 |
| 690 | A2 | 03 | JF | 4578 | G56 | GT | R MBR TO R A B I-O 6 TEST REGS | | | 0.1.2 |
| 690 | A2 | 03 | JG | 4578 | G56 | GT | R MBR TO R A B I-O 6 TEST REGS | | | 0.1.2 |
| 690 | A2 | 03 | JH | 4578 | G56 | GT | R MBR TO R A B I-O 6 TEST REGS | | | 0.1.2 |
| 690 | A2 | 03 | JJ | 4578 | G56 | GT | R MBR TO R A B I-O 6 TEST REGS | | | 0.1.2 |
| 690 | A2 | 03 | JK | 4578 | G56 | GT | R MBR TO R A B I-O 6 TEST REGS | | | 0.1.2 |
| 690 | A2 | 03 | JL | 4578 | G56 | GT | R MBR TO R A B I-O 6 TEST REGS | | | 0.1.2 |
| 690 | A2 | 03 | JM | 4578 | G56 | GT | R MBR TO R A B I-O 6 TEST REGS | | | 0.1.2 |
| 690 | A2 | 03 | JN | 4578 | G56 | GT | R MBR TO R A B I-O 6 TEST REGS | | | 0.1.2 |
| 690 | A2 | 03 | JP | 4578 | G56 | GT | R MBR TO R A B I-O 6 TEST REGS | | | 0.1.2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|------|------|------------------------|-----------|----------|---------|
| 690 | A2 | 03 | JR | 4578 | G56 | GT | R MBR TO R,A,B,I-O 6 | TEST REGS | | 0.1.2 |
| 690 | A2 | 03 | JS | 4578 | G56 | GT | R MBR TO R,A,B,I-O 6 | TEST REGS | | 0.1.2 |
| 690 | A2 | 03 | JT | 4578 | G56 | GT | R MBR TO R,A,B,I-O 6 | TEST REGS | | 0.1.2 |
| 690 | A2 | 03 | JU | 4578 | G56 | GT | R MBR TO R,A,B,I-O 6 | TEST REGS | | 0.1.2 |
| 690 | A2 | 03 | JV | 4578 | G56 | GT | R MBR TO R,A,B,I-O 6 | TEST REGS | | 0.1.2 |
| 690 | A2 | 03 | JW | 4578 | G56 | GT | R MBR TO R,A,B,I-O 6 | TEST REGS | | 0.1.2 |
| 690 | A2 | 03 | JX | 4578 | G56 | GT | R MBR TO R,A,B,I-O 6 | TEST REGS | | 0.1.2 |
| 690 | A3 | 02 | BE | 3 | B5 | GT | L B REG 5 TO L A REG 5 | | | 0.5.1-3 |
| 690 | A3 | 02 | BG | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BH | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BJ | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BK | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BL | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BM | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BN | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BP | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BR | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BS | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BT | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BU | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BV | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BW | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | BX | 9 | G7 | GT | L B REG TO L A REG | | | 0.5.1-3 |
| 690 | A3 | 02 | CE | 9 | G7 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CG | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CH | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CJ | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CK | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CL | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CM | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CN | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CP | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CR | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CS | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CT | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CU | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CV | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CW | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | CX | 5 | D5 | GT | L ACC TO L B REG | | | 0.5.1-2 |
| 690 | A3 | 02 | FE | 7 | G5 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FG | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FH | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FJ | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FK | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FL | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FM | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FN | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FP | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FR | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FS | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FT | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FU | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FV | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | FX | 2 | D6 | GT | L A REG TO L ACC | | | 0.5.1 |
| 690 | A3 | 02 | JF | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JG | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JH | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JJ | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JK | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JL | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JM | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JN | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JP | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JR | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JS | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JT | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JU | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JV | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JW | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 02 | JX | 9 | G7 | GT | L MEM BUF TO R A REG | | | 0.1.1 |
| 690 | A3 | 03 | BE | 3 | B5 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BG | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BH | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BJ | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BK | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BL | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BM | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BN | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |

MC-2

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|-------|------|--------------------------------|------|----------|---------|
| 690 | A3 | 03 | BP | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BR | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BS | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BT | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BU | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BV | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BW | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | BX | 9 | G7 | GT | R B REG TO R A REG | | | 0.5.2-3 |
| 690 | A3 | 03 | CE | 9 | G7 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CE | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CH | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CJ | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CK | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CL | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CM | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CN | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CP | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CR | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CS | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CT | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CU | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CV | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CW | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | CX | 5 | D5 | GT | R ACC TO R B REG | | | 0.5.2-2 |
| 690 | A3 | 03 | FE | 7 | G5 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FD | 1 | B6 | GT | R A REG LS TO L MEM BFR S | | | 0.5.2 |
| 690 | A3 | 03 | FG | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FH | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FJ | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FK | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FL | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FN | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FP | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FR | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FS | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FT | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FU | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FV | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 03 | FW | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| 690 | A3 | 02 | GD | 36 | B6G6 | GT | MEM 6 I-O PAR ALARM | | | 0.1.1 |
| 690 | A3 | 03 | FX | 2 | D6 | GT | R A REG TO R ACC | | | 0.5.2 |
| | | | | | | | | | | |
| 690 | A4 | 06 | DC | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DF | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DG | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DH | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DJ | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DK | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DL | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DM | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DN | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DP | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DR | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DS | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DT | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DU | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DV | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DW | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | DX | 5 | G5 | GT | ADR REG TO R A REG | | | 0.4.1 |
| 690 | A4 | 06 | EF | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EG | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EH | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EJ | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EK | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EL | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EM | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EN | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EP | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | ER | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | ES | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | ET | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EU | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EV | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EW | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| 690 | A4 | 06 | EX | 2345 | B6D56 | GT | ADR REG TO INDEX REG 1 2 4 6 5 | | | 0.4.1 |
| | | | | | | | | | | |
| 690 | B1 | 02 | EF | 123 | B56D5 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|-------|------|---------------------------------|------|----------|---------|
| 690 | B1 | 02 | EH | 123 | B56D5 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | B1 | 02 | EK | 123 | B56D5 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | B1 | 02 | EM | 123 | B56D5 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | B1 | 02 | EP | 123 | B6 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | B1 | 02 | ES | 123 | B56D5 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | B1 | 02 | EU | 123 | B56D5 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | B1 | 02 | EW | 123 | B56D5 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | B1 | 03 | EF | 1-2 | B56D5 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | B1 | 03 | EH | 123 | B56D5 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | B1 | 03 | EK | 123 | B56D5 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | B1 | 03 | EM | 123 | B56D5 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | B1 | 03 | EP | 123 | B6 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | B1 | 03 | ES | 123 | B56D5 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | B1 | 03 | EU | 123 | B56D5 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | B1 | 03 | EW | 123 | B56D5 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| | | | | | | | | | | |
| 690 | B2 | 03 | AY | 6 | D6 | GT | REAL TIME CLOCK OSC OUTPUT | | | 0.2.6 |
| 690 | B2 | 03 | AD | 26 | B6D6 | GT | REAL TIME CLOCK FREQ DIV GT 2 4 | | | 0.2.6 |
| 690 | B2 | 03 | AF | 4 | B5 | GT | REAL TIME CL REG CARRY EVEN BIT | | | 0.2.6 |
| 690 | B2 | 03 | AH | 4 | B5 | GT | REAL TIME CL REG CARRY EVEN BIT | | | 0.2.6 |
| 690 | B2 | 03 | AK | 4 | B5 | GT | REAL TIME CL REG CARRY EVEN BIT | | | 0.2.6 |
| 690 | B2 | 03 | AM | 4 | B5 | GT | REAL TIME CL REG CARRY EVEN BIT | | | 0.2.6 |
| 690 | B2 | 03 | AP | 4 | B5 | GT | REAL TIME CL REG CARRY EVEN BIT | | | 0.2.6 |
| 690 | B2 | 03 | AS | 4 | B5 | GT | REAL TIME CL REG CARRY EVEN BIT | | | 0.2.6 |
| 690 | B2 | 03 | AU | 4 | B5 | GT | REAL TIME CL REG CARRY EVEN BIT | | | 0.2.6 |
| 690 | B2 | 03 | AW | 4 | B5 | GT | REAL TIME CL REG CARRY EVEN BIT | | | 0.2.6 |
| | | | | | | | | | | |
| 690 | B3 | 02 | CF | 7 | G6 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CG | 8 | G6 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CH | 8 | G6 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CJ | 8 | G6 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CK | 8 | G6 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CL | 8 | G6 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CM | 8 | G6 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CN | 8 | G6 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CP | 8 | G6 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CR | 8 | G6 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CS | 8 | G6 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CT | 8 | G6 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CU | 8 | G6 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CV | 8 | G6 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CW | 8 | G6 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B3 | 02 | CX | 8 | G6 | GT | L ACC 15 TO LB REG S DRS | | | 0.5.1-2 |
| 690 | B3 | 03 | CF | 7 | G6 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CG | 8 | G6 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CH | 8 | G6 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CJ | 8 | G6 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CK | 8 | G6 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CL | 8 | G6 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CM | 8 | G6 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CN | 8 | G6 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CP | 8 | G6 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CR | 8 | G6 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CS | 8 | G6 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CT | 8 | G6 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CU | 8 | G6 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CV | 8 | G6 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CW | 8 | G6 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B3 | 03 | CX | 8 | G6 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| | | | | | | | | | | |
| 690 | B4 | 02 | EG | 1-3 | B56D5 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | B4 | 02 | EJ | 1-3 | B56D5 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | B4 | 02 | EL | 1-3 | B56D5 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | B4 | 02 | EN | 1-3 | B6 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | B4 | 02 | ER | 1-3 | B56D5 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | B4 | 02 | ET | 1-3 | B56D5 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | B4 | 02 | EV | 1-3 | B56D5 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | B4 | 03 | EG | 1-3 | B56D5 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | B4 | 03 | EJ | 1-3 | B56D5 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | B4 | 03 | EL | 1-3 | B56D5 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | B4 | 03 | EN | 1-3 | B6 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | B4 | 03 | ER | 1-3 | B56D5 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | B4 | 03 | ET | 1-3 | B56D5 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | B4 | 03 | EV | 1-3 | B56D5 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| | | | | | | | | | | |
| 690 | B5 | 03 | AC | 6 | D5 | GT | REAL TIME CLOCK FREQ DIV GT 1 | | | 0.2.6 |

MC-2

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|--------|------|--------------------------|----------|----------|---------|
| 690 | B5 | 03 | AD | 4 | D5 | GT | REAL TIME CLOCK FREQ | DIV GT 3 | | 0.2.6 |
| 690 | B5 | 03 | AE | 3 | B6 | GT | REL TIME CLOCK SYNC | | | 0.2.6 |
| 690 | B5 | 03 | AG | 4 | B5 | GT | REL TIME CLOCK CARRY | ODD BIT | | 0.2.6 |
| 690 | B5 | 03 | AJ | 4 | B5 | GT | REL TIME CLOCK CARRY | ODD BIT | | 0.2.6 |
| 690 | B5 | 03 | AL | 4 | B5 | GT | REL TIME CLOCK CARRY | ODD BIT | | 0.2.6 |
| 690 | B5 | 03 | AN | 4 | B5 | GT | REL TIME CLOCK CARRY | ODD BIT | | 0.2.6 |
| 690 | B5 | 03 | AR | 4 | B5 | GT | REL TIME CLOCK CARRY | ODD BIT | | 0.2.6 |
| 690 | B5 | 03 | AT | 4 | B5 | GT | REL TIME CLOCK CARRY | ODD BIT | | 0.2.6 |
| 690 | B5 | 03 | AV | 4 | B5 | GT | REL TIME CLOCK CARRY | ODD BIT | | 0.2.6 |
| 690 | B5 | 03 | AX | 4 | B5 | GT | REL TIME CLOCK CARRY | ODD BIT | | 0.2.6 |
| 690 | B5 | 03 | AC | 4 | D6 | GT | REAL TIME CLOCK SYNC | | | 0.2.6 |
| 690 | B6 | 02 | CF | 9 | G7 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CG | 9 | G7 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CH | 9 | G7 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CJ | 9 | G7 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CK | 9 | G7 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CL | 9 | G7 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CM | 9 | G7 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CN | 9 | G7 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CP | 9 | G7 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CR | 9 | G7 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CS | 9 | G7 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CT | 9 | G7 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CU | 9 | G7 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CV | 9 | G7 | GT | L ACC ODD BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CW | 9 | G7 | GT | L ACC EVEN BITS DSR | | | 0.5.1-2 |
| 690 | B6 | 02 | CX | 9 | G7 | GT | L ACC 15 TO L8 REG S DSR | | | 0.5.1-2 |
| 690 | B6 | 03 | CF | 9 | G7 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CG | 9 | G7 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CH | 9 | G7 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CJ | 9 | G7 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CK | 9 | G7 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CL | 9 | G7 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CM | 9 | G7 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CN | 9 | G7 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CR | 9 | G7 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CS | 9 | G7 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CT | 9 | G7 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CU | 9 | G7 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CV | 9 | G7 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CW | 9 | G7 | GT | R ACC EVEN BITS DSR | | | 0.5.2-2 |
| 690 | B6 | 03 | CX | 9 | G7 | GT | R ACC ODD BITS DSR | | | 0.5.2-2 |
| 690 | C1 | 02 | BD | 79 | D6G7 | GT | L B REG S STORE | | | 0.5.1-3 |
| 690 | C1 | 02 | BE | 89 | G67 | GT | L B REG S TO S STORE | | | 0.5.1-3 |
| 690 | C1 | 02 | BE | 2467 | B6D6G5 | GT | L B REG DSL DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BG | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BH | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BJ | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BK | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BL | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BM | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BN | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BP | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BR | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BS | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BT | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BU | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BV | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BW | 4678 | B56G56 | GT | LB REG DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | BX | 4678 | B56G56 | GT | LB REC DSL 6 DSR | | | 0.5.1-3 |
| 690 | C1 | 02 | CE | 345 | B56D5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CF | 123 | D56 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CG | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CH | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CJ | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CK | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CL | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CM | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CN | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CP | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CR | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CS | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CT | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CU | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CV | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 02 | CW | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|-----------|------|--------------------------------|------|----------|---------|
| 690 | C1 | 02 | CX | 67 | D6G5 | GT | L ACC D S L | | | 0.5.1-2 |
| 690 | C1 | 03 | BG | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BH | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BJ | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BK | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BL | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BM | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BN | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BP | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BR | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BS | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BT | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BU | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BV | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BW | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BX | 4678 | B56G56 | GT | RB REG DSL & DSR | | | 0.5.2-3 |
| 690 | C1 | 03 | BE | 24 | B6 | GT | R B REG SHIFT RIGHT | | | 0.5.2-3 |
| 690 | C1 | 03 | BE | 89 | G67 | GT | R B REG S TO R B REG S STORE | | | 0.5.2-3 |
| 690 | C1 | 03 | BE | 67 | D6G5 | GT | R B REG SHIFT LEFT | | | 0.5.2-3 |
| 690 | C1 | 03 | CE | 3 | B5 | GT | R ACC S TO L ACC 15 FCL | | | 0.5.2-2 |
| 690 | C1 | 03 | CE | 45 | B6D5 | GT | R ACC TO R B REG 15 & R ACC 15 | | | 0.5.2-2 |
| 690 | C1 | 03 | CF | 123 | D56 | GT | R ACC S TO ACC 15 & R B REG 15 | | | 0.5.2-2 |
| 690 | C1 | 03 | CG | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CH | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CJ | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CK | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CL | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CM | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CN | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CP | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CR | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CS | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CT | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CU | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CV | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CW | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| 690 | C1 | 03 | CX | 67 | D6G5 | GT | R ACC D S L | | | 0.5.2-2 |
| | | | | | | | | | | |
| 690 | C2 | 02 | EF | 478 | D6G67 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | C2 | 02 | EH | 478 | D6G67 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | C2 | 02 | EK | 478 | D6G67 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | C2 | 02 | EM | 478 | D6G67 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | C2 | 02 | EP | 478 | B6 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | C2 | 02 | ES | 478 | D6G67 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | C2 | 02 | EU | 478 | D6G67 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | C2 | 02 | EW | 478 | D6G67 | GT | L ADDER CARRY GT EVEN BITS | | | 0.5.1-2 |
| 690 | C2 | 03 | EF | 478 | D6G67 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | C2 | 03 | EH | 478 | D6G67 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | C2 | 03 | EK | 478 | D6G67 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | C2 | 03 | EM | 478 | D6G67 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | C2 | 03 | EP | 478 | B6 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | C2 | 03 | ES | 478 | D6G67 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | C2 | 03 | EU | 478 | D6G67 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| 690 | C2 | 03 | EW | 478 | D6G67 | GT | R ADDER CARRY GT EVEN BITS | | | 0.5.2-2 |
| | | | | | | | | | | |
| 690 | C3 | 02 | EG | 478 | D6G67 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | C3 | 02 | EJ | 478 | D6G67 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | C3 | 02 | EL | 478 | D6G67 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | C3 | 02 | EN | 478 | B6 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | C3 | 02 | ER | 478 | D6G67 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | C3 | 02 | ET | 478 | D6G67 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | C3 | 02 | EV | 478 | D6G67 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | C3 | 03 | EG | 478 | D6G67 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | C3 | 03 | EJ | 478 | D6G67 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | C3 | 03 | EL | 478 | D6G67 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | C3 | 03 | EN | 478 | B6 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | C3 | 03 | ER | 478 | D6G67 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | C3 | 03 | ET | 478 | D6G67 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| 690 | C3 | 03 | EV | 478 | D6G67 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| | | | | | | | | | | |
| 690 | C4 | 02 | EX | 1-478 | B56D56G67 | GT | L ADDER CARRY GATE ODD BITS | | | 0.5.1-2 |
| 690 | C4 | 03 | EX | 1-478 | B56D56G67 | GT | R ADDER CARRY GATE ODD BITS | | | 0.5.2-2 |
| | | | | | | | | | | |
| 690 | D1 | 03 | CE | 8 | G6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CG | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CH | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |

MC-2

| V | C-L | FR | PU | TUBES | PINS, | TYPE | DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|-------|------|---------------------------|------|----------|---------|
| 690 | D1 | 03 | CJ | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CK | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CL | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CM | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CN | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CP | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CR | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CS | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CT | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CU | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CV | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CW | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| 690 | D1 | 03 | CX | 4 | B6 | GT | R ACC TO R ADR REG | | | 0.5.2-2 |
| | | | | | | | | | | |
| 690 | D2 | 06 | BC | 36 | B6G6 | GT | INDEX REGS 162 COND MET | | | 0.4.2 |
| 690 | D2 | 06 | BF | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BG | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BH | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BJ | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BK | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BL | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BM | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BN | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BP | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BR | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BS | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BT | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BU | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BV | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BW | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | BX | 36 | B6G6 | GT | INDEX REGS 162 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AC | 36 | B6G6 | GT | INDEX REGS 465 COND MET | | | 0.4.2 |
| 690 | D2 | 06 | AF | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AG | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AH | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AJ | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AK | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AL | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AM | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AN | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AP | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AR | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AS | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AT | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AU | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AV | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AW | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | AX | 36 | B6G6 | GT | INDEX REGS 465 TO ADR REG | | | 0.4.2 |
| 690 | D2 | 06 | DC | 1 | B5 | GT | ADR REG SELECT MEM 1 OR 2 | | | 0.4.1 |
| | | | | | | | | | | |
| -150 | A1 | 02 | DF | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DG | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DH | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DJ | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DK | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DL | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DM | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DN | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DP | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DR | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DS | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DU | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DV | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DW | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 02 | DX | 89 | D7 | AFF | L ACC | | | 0.5.1-2 |
| -150 | A1 | 03 | DF | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DG | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DH | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DJ | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DK | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DL | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DM | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DN | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DP | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DR | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DS | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |
| -150 | A1 | 03 | DT | 89 | D7 | AFF | R ACC | | | 0.5.2-2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|-------------------------|---------|----------|---------|
| -150 | A1 | 03 | DU | 89 | D7 | AFF R ACC | | | 0.5+2-2 |
| -150 | A1 | 03 | DV | 89 | D7 | AFF R ACC | | | 0.5+2-2 |
| -150 | A1 | 03 | DW | 89 | D7 | AFF R ACC | | | 0.5+2-2 |
| -150 | A1 | 03 | DX | 89 | D7 | AFF R ACC | | | 0.5+2-2 |
| | | | | | | | | | |
| -150 | A2 | 02 | FF | 89 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FG | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FH | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FJ | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FK | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FL | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FM | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FN | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FP | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FR | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FS | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FT | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FU | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FV | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FW | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 02 | FX | 78 | D7 | AFF L A REG | | | 0.5+1 |
| -150 | A2 | 03 | FD | 78 | D7 | AFF R A REG | L SIGN | | 0.5+2 |
| -150 | A2 | 03 | FF | 89 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FG | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FH | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FJ | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FK | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FL | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FM | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FN | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FP | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FR | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FS | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FT | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FU | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FV | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FW | 78 | D7 | AFF R A REG | | | 0.5+2 |
| -150 | A2 | 03 | FX | 78 | D7 | AFF R A REG | | | 0.5+2 |
| | | | | | | | | | |
| -150 | A3 | 02 | BF | 89 | D7 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BG | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BH | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BJ | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BK | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BL | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BM | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BN | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BP | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BR | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BS | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BT | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BU | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BV | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BW | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | BX | 12 | 87 | AFF L B REG | | | 0.5+1-3 |
| -150 | A3 | 02 | MF | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MG | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MH | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MJ | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MK | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | ML | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MM | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MN | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MP | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MR | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MS | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MT | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MU | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MV | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MW | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | MX | 12 | 87 | AFF L TEST REG | | | 0.1+3 |
| -150 | A3 | 02 | NC | 12 | 87 | AFF L TEST MEM | ADR REG | | 0.1+3 |
| -150 | A3 | 02 | ND | 12 | 87 | AFF L TEST MEM | ADR REG | | 0.1+3 |
| -150 | A3 | 02 | PC | 12 | 87 | AFF L TEST MEM | ADR REG | | 0.1+3 |
| -150 | A3 | 02 | PD | 12 | 87 | AFF L TEST MEM | ADR REG | | 0.1+3 |
| -150 | A3 | 03 | AE | 1256 | B7D7 | AFF REAL TIME CLOCK REG | | | 0.2+6 |
| -150 | A3 | 03 | AF | 12 | 87 | AFF REAL TIME CLOCK REG | | | 0.2+6 |
| -150 | A3 | 03 | AG | 12 | 87 | AFF REAL TIME CLOCK REG | | | 0.2+6 |

MC-2

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|-------------------------|------|----------|---------|
| -150 | A3 | 03 | AH | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AJ | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AK | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AL | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AM | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AN | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| 690 | A3 | 02 | FW | 2 | D6 | GT L A REG TO L ACC | | | 0.5.1 |
| -150 | A3 | 03 | AP | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AR | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AS | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AT | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AU | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AV | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AW | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | AX | 12 | B7 | AFF REAL TIME CLOCK REG | | | 0.2.6 |
| -150 | A3 | 03 | BF | 89 | D7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BG | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BH | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BJ | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BK | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BL | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BM | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BN | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BP | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BR | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BS | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BT | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BU | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BV | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BW | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | BX | 12 | B7 | AFF R B REG | | | 0.5.2-3 |
| -150 | A3 | 03 | MF | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MG | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MH | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MJ | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MK | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | ML | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MM | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MN | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MP | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MR | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MS | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MT | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MU | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MV | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MW | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| -150 | A3 | 03 | MX | 12 | B7 | AFF R TEST REG | | | 0.1.3 |
| | | | | | | | | | |
| -150 | A4 | 06 | BC | 1289 | B7D7 | AFF INDEX REG 162 | | | 0.4.2 |
| -150 | A4 | 06 | BF | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BG | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BH | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BJ | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BK | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BL | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BM | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BN | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BP | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BR | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BS | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BT | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BU | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BV | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BW | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | BX | 1289 | B7D7 | AFF INDEX REG 1 & 2 | | | 0.4.2 |
| -150 | A4 | 06 | AF | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AG | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AH | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AJ | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AK | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AL | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AM | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AN | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AP | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AR | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AS | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AT | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AU | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AV | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|----------------------------------|------|----------|---------|
| -150 | A4 | 06 | AW | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AX | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | A4 | 06 | AC | 1289 | B7D7 | AFF INDEX REG 465 | | | 0.4.2 |
| -150 | B1 | 02 | DF | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DG | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DH | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DJ | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DK | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DL | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DM | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DN | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DP | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DR | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DS | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DT | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DU | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DV | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DW | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | DX | 567 | B7 | CF6 L ACC | | | 0.5.1-2 |
| -150 | B1 | 02 | FF | 567 | B7 | CF6 L A REG | | | 0.5.1-2 |
| -150 | B1 | 02 | FG | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FH | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FJ | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FK | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FL | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FM | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FN | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FP | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FR | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FS | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FT | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FU | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FV | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FW | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 02 | FX | 3-6 | B7 | CF6 L A REG | | | 0.5.1 |
| -150 | B1 | 03 | DF | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DG | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DH | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DJ | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DK | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DL | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DM | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DN | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DP | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DR | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DS | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DT | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DV | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DW | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | DX | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| -150 | B1 | 03 | FF | 567 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FG | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FH | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FJ | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FK | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FL | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FM | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FN | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FP | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FR | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FS | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FT | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FU | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FV | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FW | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FX | 3-6 | B7 | CF6 R A REG | | | 0.5.2 |
| -150 | B1 | 03 | FU | 567 | B7 | CF6 R ACC | | | 0.5.2-2 |
| 690 | B6 | 03 | CP | 9 | G7 | GT R ACC EVEN BITS DSR | | | 0.5.2-2 |
| -150 | C1 | 02 | NF | 567 | B7 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NG | 567 | B7 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NH | 567 | B7 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NJ | 567 | B7 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NK | 567 | B7 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NL | 567 | B7 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |

MC-2

| V.C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-2 | 05/01/60 | LOGIC |
|-------|----|----|---------|-------|------------------------------------|------|----------|---------|
| -150 | C1 | 02 | NM 567 | 87 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NN 567 | 87 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NP 567 | 87 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NR 567 | 87 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NS 567 | 87 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NT 567 | 87 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NU 567 | 87 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NV 567 | 87 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NW 567 | 87 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NX 567 | 87 | CF6 L TEST MEM ADR MATRIX OUTPUT | | | 0.1.3 |
| -150 | C1 | 02 | NC 345 | D7 | CF6 L TEST MEM ADR REG | | | 0.1.3 |
| -150 | C1 | 02 | ND 345 | D7 | CF6 L TEST MEM ADR REG | | | 0.1.3 |
| -150 | C1 | 02 | PC 345 | D7 | CF6 L TEST MEM ADR REG | | | 0.1.3 |
| -150 | C1 | 02 | PD 345 | D7 | CF6 L TEST MEM ADR REG | | | 0.1.3 |
| -150 | C1 | 02 | NY 1567 | B7D7 | CF6 TEST MEM SWITCH A | | | 0.1.3 |
| -150 | C1 | 02 | PY 1567 | B7D7 | CF6 TEST MEM SWITCH B | | | 0.1.3 |
| -150 | C1 | 02 | NE 1 | D7 | CF6 TEST MEM LIVE REG | | | 0.1.3 |
| -150 | D1 | 03 | AY 3 | D7 | ST REAL TIME CLOCK OSC | | | 0.2.6 |
| -150 | F1 | 02 | BD 34 | 87 | AFF LB REG S STORE | | | 0.5.1-3 |
| -150 | F1 | 02 | DE 34 | 87 | AFF L ACC SIGN CONTROL | | | 0.5.1-2 |
| -150 | F1 | 02 | GD 1289 | B7D7 | AFF L MEM BUF WRITE & PARITY CHECK | | | 0.1.1 |
| -150 | F1 | 02 | EC 34 | 87 | AFF L AUX OFLOW | | | 0.5.1-2 |
| -150 | F1 | 02 | ED 34 | 87 | AFF L DIVIDE CONNECT | | | 0.5.1-2 |
| -150 | F1 | 02 | EE 34 | 87 | AFF L CARRY STORE | | | 0.5.1-2 |
| -150 | F1 | 03 | UE 34 | 87 | AFF R ACC SIGN CONTROL | | | 0.5.2-2 |
| -150 | F1 | 03 | EC 34 | 87 | AFF R AUX OFLOW | | | 0.5.2-2 |
| -150 | F1 | 03 | ED 34 | 87 | AFF R DIVIDE CONNECT | | | 0.5.2-2 |
| -150 | F1 | 03 | EE 34 | 87 | AFF R CARRY STORE | | | 0.5.2-2 |
| -150 | F1 | 03 | BU 34 | 87 | AFF RB REG S STORE | | | 0.5.2-3 |
| -300 | A1 | 03 | AC 3 | D8 | CFF REAL TIME CLOCK FREQ DIV | | | 0.2.6 |
| -300 | A1 | 03 | AD 135 | B7D78 | CFF REAL TIME CLOCK FREQ DIV | | | 0.2.6 |

MC-3

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-3 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|------------------------------|------|----------|---------|
| 6250 | A1 | 04 | JH | 123 | B5 | PCF CLASS CYCLE BRANCH | | | 0.3.1 |
| 6250 | A2 | 04 | JK | 123567B5 | | PCF CLASS CYCLE ADD I O | | | 0.3.1 |
| 6250 | A3 | 04 | JJ | 123567B5 | | PCF CLASS CYCLE STORE RESET | | | 0.3.1 |
| 6250 | A4 | 04 | JL | 123567B5 | | PCF CLASS CYCLE SHIFT & MISC | | | 0.3.1 |
| 6250 | A4 | 04 | JM | 12356 | B5 | PCF CLASS CYCLE MULT | | | 0.3.1 |
| 6250 | B2 | 04 | JS | 345 | B5 | PCF OP REG VARIATION 7 | | | 0.3.1 |
| 6250 | B2 | 04 | JR | 345 | B5 | PCF OP REG VARIATION 8 | | | 0.3.1 |
| 6250 | B2 | 04 | JP | 345 | B5 | PCF OP REG VARIATION 9 | | | 0.3.1 |
| 6250 | B2 | 04 | JN | 345 | B5 | PCF OP REG VARIATION 10 | | | 0.3.1 |
| 6250 | B2 | 04 | HY | 345 | B5 | PCF OP REG VARIATION 11 | | | 0.3.1 |
| 6250 | B2 | 04 | GN | 345 | B5 | PCF OP REG VARIATION 12 | | | 0.3.1 |
| 6250 | B3 | 04 | HR | 12 | B5 | PCF AOR 16 BIT OPERATION | | | 0.5.1-2 |
| 6250 | B3 | 04 | HP | 123567B5 | | PCF INDEX SELECION MATRIX | | | 0.3.1 |
| 6250 | B3 | 04 | HQ | 567 | B5 | PCF INDEX SELECION MATRIX | | | 0.3.1 |
| 6250 | B3 | 04 | JC | 123567B5 | | PCF VARIATION MATRIX | | | 0.3.1 |
| 6250 | B3 | 04 | JD | 123567B5 | | PCF VARIATION MATRIX | | | 0.3.1 |
| 6250 | B3 | 04 | JE | 123567B5 | | PCF VARIATION MATRIX | | | 0.3.1 |
| 6250 | B3 | 04 | JF | 123567B5 | | PCF VARIATION MATRIX | | | 0.3.1 |
| 6250 | B3 | 04 | JG | 123567B5 | | PCF VARIATION MATRIX | | | 0.3.1 |
| 6250 | C1 | 04 | DE | 345 | B5 | PCF STEP COUNTER BIT 32 | | | 0.5.3 |
| 6250 | C1 | 04 | DF | 345 | B5 | PCF STEP COUNTER BIT 16 | | | 0.5.3 |
| 6250 | C1 | 04 | DJ | 345 | B5 | PCF STEP COUNTER BIT 2 | | | 0.5.3 |
| 6250 | E1 | 04 | HM | 2 | B5 | I L-12 CNTL OF 17TH BIT | | | 0.5.2-2 |
| 6250 | F1 | 02 | GE | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GF | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GG | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GH | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GJ | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GK | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GL | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GM | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GN | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GO | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GR | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GS | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GT | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GU | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GV | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GW | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 02 | GX | 1-7 | B5 | PCA L MEM BFR | | | 0.1.1 |
| 6250 | F1 | 03 | GF | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GG | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GH | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GJ | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GK | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GL | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GM | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GN | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GP | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GR | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GS | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GT | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GU | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GV | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GW | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F1 | 03 | GX | 1-7 | B5 | PCA R MEM BFR | | | 0.1.2 |
| 6250 | F2 | 04 | DG | 1-7 | B5 | PCA STEP CNTR 8 | | | 0.5.3 |
| 6250 | F2 | 04 | DH | 1-7 | B5 | PCA STEP CNTR 4 | | | 0.5.3 |
| 6250 | F2 | 04 | DK | 1-7 | B5 | PCA STEP CNTR 1 | | | 0.5.3 |
| 6250 | F2 | 05 | EG | 1-7 | B5 | PCA L10 BIT STORAGE | | | 0.6.2 |
| 6250 | F2 | 04 | HT | 1-7 | B5 | PCA CYCLE CONTROL PT-OT | | | 0.3.1 |
| 6250 | F2 | 04 | HU | 1-7 | B5 | PCA CYCLE CONTROL A6B | | | 0.3.1 |

MC-3

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-3 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|------------------------------------|------|----------|-------|
| 6250 | F2 | 04 | HV | 1-7 | B5 | PCA CYCLE CONTROL I-O INTLK | | | 0.3.1 |
| 6250 | F2 | 04 | JU | 1-7 | B5 | PCA OP REG CLASS 5 | | | 0.3.1 |
| 6250 | F2 | 04 | JV | 1-7 | B5 | PCA OP REG CLASS 4 | | | 0.3.1 |
| 6250 | F2 | 04 | JT | 1-7 | B5 | PCA OP REG 6 | | | 0.3.1 |
| 6250 | F2 | 04 | HW | 1-7 | B5 | PCA BRANCH ON-OFF | | | 0.3.1 |
| 6250 | F2 | 04 | JY | 1-7 | B5 | PCA OP REG 1 | | | 0.3.1 |
| 6250 | F2 | 04 | JX | 1-7 | B5 | PCA OP REG 2 | | | 0.3.1 |
| 6250 | F2 | 04 | JW | 1-7 | B5 | PCA OP REG 3 | | | 0.3.1 |
| 6150 | A1 | 04 | GG | 2-9 | D5 | CF INSTR MATRIX BRANCH & MISC | | | 0.3.2 |
| 6150 | A1 | 04 | GH | 23679 | D5 | CF INSTR MATRIX BRANCH | | | 0.3.2 |
| 6150 | A1 | 04 | GJ | 1-6 | D5 | CF INSTR MATRIX BRANCH | | | 0.3.2 |
| 6150 | A1 | 04 | GK | 6-9 | D5 | CF INSTR MATRIX BRANCH | | | 0.3.2 |
| 6150 | A2 | 04 | HC | 1-6 | D5 | CF INSTR MATRIX I-O | | | 0.3.2 |
| 6150 | A2 | 04 | HD | 23567 | D5 | CF INSTR MATRIX I-O | | | 0.3.2 |
| 6150 | A2 | 04 | HE | 1-6 | D5 | CF INSTR MATRIX I-O | | | 0.3.2 |
| 6150 | A2 | 04 | HF | 1-9 | D5 | CF INSTR MATRIX ADD | | | 0.3.2 |
| 6150 | A2 | 04 | HG | 1247-9D5 | | CF INSTR MATRIX ADD | | | 0.3.2 |
| 6150 | A2 | 04 | HH | 1-6 | D5 | CF INSTR MATRIX ADD | | | 0.3.2 |
| 6150 | A2 | 04 | HJ | 1 | D5 | CF INSTR MATRIX ADD | | | 0.3.2 |
| 6150 | A2 | 04 | FG | 36 | D5 | CF INSTR MATRIX ADD | | | 0.3.1 |
| 6150 | A2 | 04 | HC | 6 | | CF BSN OT & NO ALARM | | | 0.3.2 |
| 6150 | A2 | 04 | HC | 6 | D5 | CF BSN OT & NO ALARM | | | 0.3.2 |
| 6150 | A3 | 04 | GK | 1-5 | B5 | CF INSTR MATRIX RESET INDEX CLASS | | | 0.3.2 |
| 6150 | A3 | 04 | GL | 124589D5 | | CF INSTR MATRIX RESET INDEX CLASS | | | 0.3.2 |
| 6150 | A3 | 04 | GS | 1256 | D5 | CF INSTR MATRIX STORE & MISC CLASS | | | 0.3.2 |
| 6150 | A3 | 04 | GT | 1-9 | D5 | CF INSTR MATRIX STORE | | | 0.3.2 |
| 6150 | A3 | 04 | GU | 146-9 | D5 | CF INSTR MATRIX STORE & ADD | | | 0.3.2 |
| 6150 | A3 | 04 | GV | 1-9 | D5 | CF INSTR MATRIX STORE | | | 0.3.2 |
| 6150 | A3 | 04 | GS | 789 | D5 | CF TEST MEM ADR ENCODER | | | 0.1.3 |
| 6150 | A3 | 04 | GU | 3 | D5 | CF INSTRUCTION MATRIX | | | 0.3.2 |
| 6150 | A3 | 04 | GU | 2 | D5 | CF INSTRUCTION MATRIX | | | 0.3.2 |
| 6150 | A4 | 04 | FS | 1-9 | D5 | CF INSTR MATRIX MISC CLASS | | | 0.3.2 |
| 6150 | A4 | 04 | GC | 1-9 | D5 | CF INSTR MATRIX MISC CLASS | | | 0.3.2 |
| 6150 | A4 | 04 | GD | 1239 | D5 | CF INSTR MATRIX MISC CLASS | | | 0.3.2 |
| 6150 | A4 | 04 | GE | 2-9 | D5 | CF INSTR MATRIX MISC CLASS | | | 0.3.2 |
| 6150 | A4 | 04 | GF | 3-9 | D5 | CF INSTR MATRIX MISC CLASS | | | 0.3.2 |
| 6150 | A4 | 04 | GM | 1-6 | D5 | CF INSTR MATRIX MULT | | | 0.3.2 |
| 6150 | A4 | 04 | GP | 1236-9D5 | | CF INSTR MATRIX MULT | | | 0.3.2 |
| 6150 | A4 | 04 | GR | 1-6 | D5 | CF INSTR MATRIX MULT | | | 0.3.2 |
| 6150 | A4 | 04 | GR | 789 | D5 | CF TEST MEM ADR ENCODER | | | 0.1.3 |
| 6150 | A4 | 04 | HK | 1-9 | D5 | CF INSTR MATRIX SHIFT | | | 0.3.2 |
| 6150 | A4 | 04 | HL | 124689D5 | | CF INSTR MATRIX SHIFT | | | 0.3.2 |
| 6150 | A4 | 04 | HN | 1-6 | D5 | CF INSTR MATRIX SHIFT | | | 0.3.2 |
| 6150 | A4 | 04 | HL | 378 | D5 | CF INSTR MATRIX MISC CLASS | | | 0.3.2 |
| 6150 | A4 | 04 | GF | 12 | D5 | CF CLASS CYCLE ADD | | | 0.3.1 |
| 6150 | A4 | 04 | GE | 1 | D5 | CF BXP-PT & NO ALARM | | | 0.3.2 |
| 6150 | B1 | 02 | GD | 57 | B5D5 | CF PARITY WRITE & PARITY CHECK | | | 0.1.1 |
| 6150 | B1 | 02 | HE | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HF | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HG | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HH | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HJ | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HK | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HL | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HM | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HN | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HP | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HR | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HS | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HT | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HU | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HV | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HW | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 02 | HX | 2 | D5 | CF L MEM BUF | | | 0.1.1 |
| 6150 | B1 | 03 | HF | 2 | D5 | CF R MEM BUF | | | 0.1.2 |
| 6150 | B1 | 03 | HG | 2 | D5 | CF R MEM BUF | | | 0.1.2 |
| 6150 | B1 | 03 | HH | 2 | D5 | CF R MEM BUF | | | 0.1.2 |
| 6150 | B1 | 03 | HJ | 2 | D5 | CF R MEM BUF | | | 0.1.2 |
| 6150 | B1 | 03 | HK | 2 | D5 | CF R MEM BUF | | | 0.1.2 |
| 6150 | B1 | 03 | HL | 2 | D5 | CF R MEM BUF | | | 0.1.2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-3 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|--------|------|---------------------------------|------|----------|-------|
| 6150 | B1 | 03 | HM | 2 | D5 | CF | R MEM BUF | | | 0.1+2 |
| 6150 | B1 | 03 | HN | 2 | D5 | CF | R MEM BUF | | | 0.1+2 |
| 6150 | B1 | 03 | HP | 2 | D5 | CF | R MEM BUF | | | 0.1+2 |
| 6150 | B1 | 03 | HR | 2 | D5 | CF | R MEM BUF | | | 0.1+2 |
| 6150 | B1 | 03 | HS | 2 | D5 | CF | R MEM BUF | | | 0.1+2 |
| 6150 | B1 | 03 | HT | 2 | D5 | CF | R MEM BUF | | | 0.1+2 |
| 6150 | B1 | 03 | HU | 2 | D5 | CF | R MEM BUF | | | 0.1+2 |
| 6150 | B1 | 03 | HV | 2 | D5 | CF | R MEM BUF | | | 0.1+2 |
| 6150 | B1 | 03 | HW | 2 | D5 | CF | R MEM BUF | | | 0.1+2 |
| 6150 | B1 | 03 | HX | 2 | D5 | CF | R MEM BUF | | | 0.1+2 |
| | | | | | | | | | | |
| 6150 | B2 | 06 | GD | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GF | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GG | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GH | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GJ | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GK | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GL | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GM | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GN | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GP | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GR | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GS | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GT | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GU | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GV | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GW | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| 6150 | B2 | 06 | GX | 35 | D5 | CF | PROG CTR | | | 0.4+1 |
| | | | | | | | | | | |
| 6150 | B3 | 06 | CD | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CF | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CG | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CH | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CJ | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CK | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CL | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CM | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CN | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CP | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CR | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CS | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CT | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CU | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CV | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DC | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CW | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | CX | 456 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DF | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DG | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DH | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DJ | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DK | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DL | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DM | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DN | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DP | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DR | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DS | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DT | 9 | D5 | CF | ADI REG | | | 0.4+1 |
| 6150 | B3 | 06 | DV | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DW | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DX | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| 6150 | B3 | 06 | DU | 9 | D5 | CF | ADR REG | | | 0.4+1 |
| | | | | | | | | | | |
| 6150 | C1 | 04 | BF | 45 | D5 | CF | TPD CONTINUE | | | 0.2+2 |
| 6150 | C1 | 04 | BH | 14569 | D5 | CF | TPD CNTRL PAUSE BREAK | | | 0.2+2 |
| 6150 | C1 | 04 | BG | 123 | D5 | CF | TPD CNTRL PAUSE BREAK | | | 0.2+2 |
| 6150 | C1 | 04 | BL | 14569 | D5 | CF | CONTINUE TPD CONTROL | | | 0.2+2 |
| 6150 | C1 | 04 | BR | 14569 | D5 | CF | SINGLE PULSE & LOAD | | | 0.2+2 |
| 6150 | C1 | 04 | DL | 3-68 | D5 | CF | STEP CNTR | | | 0.5+3 |
| 6150 | C1 | 04 | BK | 349 | 86D6G6 | CF | TPD CONTROL SYNC 62MC OP | | | 0.2+2 |
| 6150 | C1 | 04 | BN | 34 | 86D6 | CF | CONTINUE CONTROL SYNC | | | 0.2+2 |
| 6150 | C1 | 04 | BN | 9 | G6 | CF | CPC START | | | 0.2+5 |
| 6150 | C1 | 04 | BP | 349 | 86D6G6 | CF | MEM CYCLE, INSTR STEP & SYNC | | | 0.2+2 |
| 6150 | C1 | 04 | CC | 349 | 86D6G6 | CF | DIVIDE TPD 0.1+2 | | | 0.5+3 |
| 6150 | C1 | 04 | DC | 349 | 86D6G6 | CF | DVD TPD 3+4 & DVD CLR PAUSE DLY | | | 0.5+3 |
| 6150 | C1 | 04 | CW | 349 | 86D6G6 | CF | CPC BITS 123 | | | 0.2+5 |

MC-3

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-3 | 05/01/60 | LOGIC |
|------|-----|----|----|--------|--------------|------|---------------------------------|------|----------|---------|
| 6150 | C1 | 04 | CX | 349 | B6D6G6 | CF | CPC BITS 456 | | | 0.2.5 |
| 6150 | C1 | 04 | CY | 349 | B6D6G6 | CF | CPC BITS 789 | | | 0.2.5 |
| 6150 | C1 | 04 | BX | 57 | B5D5 | CF | CP CONTROL | | | 0.2.5 |
| 6150 | C1 | 04 | HS | 57 | B5D5 | CF | CSW GATE & CONTROL | | | 0.7.3 |
| 6150 | C1 | 04 | BD | 5 | D5 | CF | ALARM BRANCH SYNC | | | 0.2.2 |
| 6150 | C1 | 04 | DM | 349 | B6D6G6 | CF | 2 MC SYNC & CLR PAUSE DELAY | | | 0.5.3 |
| 6150 | C1 | 04 | BD | 7 | B5 | CF | INACTIVE TPD | | | 0.2.2 |
| 6150 | C1 | 04 | BF | 569 | D5 | CF | MC TRANSITION OFF | | | 0.2.2 |
| 6150 | C2 | 04 | DR | 145 | D5 | CF | MEM UNIT SEL CNTRL CLOCK REG | | | 0.2.6 |
| 6150 | C2 | 04 | DS | 45 | D5 | CF | MEM UNIT SEL CNTRL TM & MEM 162 | | | 0.1.3 |
| 6150 | C2 | 04 | DR | 9 | D5 | CF | PARITY WD XFER | | | 0.1.3 |
| 6150 | C2 | 04 | HM | 123 | D5 | CF | L-12 CNTRL OF 17TH BIT | | | 0.5.2-2 |
| 6150 | C2 | 04 | DS | 569 | D5 | CF | TM START CNTRL & PARITY CHECK | | | 0.4.1 |
| 6150 | D1 | 04 | CE | 345 | D5 | CF | TPD-0 TP-0 | | | 0.2.3 |
| 6150 | D1 | 04 | CF | 34 | D5 | CF | TPD-1 TP-1 IP-1 | | | 0.2.3 |
| 6150 | D1 | 04 | CG | 34 | D5 | CF | TPD-2 TP-2 IP-2 | | | 0.2.3 |
| 6150 | D1 | 04 | CH | 34 | D5 | CF | TPD-3 TP-3 IP-3 | | | 0.2.3 |
| 6150 | D1 | 04 | CJ | 34 | D5 | CF | TPD-4 TP-4 IP-4 | | | 0.2.3 |
| 6150 | D1 | 04 | CK | 34 | D5 | CF | TPD-5 TP-5 IP-5 | | | 0.2.3 |
| 6150 | D1 | 04 | CL | 34 | D5 | CF | TPD-6 TP-6 IP-6 | | | 0.2.3 |
| 6150 | D1 | 04 | CM | 345 | D5 | CF | TPD-7 TP-7 IP-7 | | | 0.2.3 |
| 6150 | D1 | 04 | CN | 34 | D5 | CF | TPD-8 TP-8 IP-8 | | | 0.2.3 |
| 6150 | D1 | 04 | CP | 34 | D5 | CF | TPD-9 TP-9 IP-9 | | | 0.2.3 |
| 6150 | D1 | 04 | CR | 34 | D5 | CF | TPD-10 TP-10 IP-10 | | | 0.2.3 |
| 6150 | D1 | 04 | CS | 34 | D5 | CF | TPD-11 TP-11 IP-11 | | | 0.2.3 |
| 6150 | E1 | 04 | BM | 9 | D5 | VRD | MAN OP COMPUTE RELAY DRIVER | | | 0.2.2 |
| 690 | A1 | 04 | FR | 678 | G67 | GT | COM GEN ACC | | | 0.5.1-2 |
| 690 | A1 | 04 | FT | 1-8 | B56D56G567GT | GT | COM GEN ACC | | | 0.5.1-2 |
| 690 | A1 | 04 | FT | 9 | G7 | GT | COM GEN ACC | | | 0.7.3 |
| 690 | A1 | 04 | FH | 1-9 | B56D56G567GT | GT | COM GEN B REG | | | 0.5.1-3 |
| 690 | A1 | 04 | FL | 1-4 | B56D56 | GT | COM GEN B REG | | | 0.5.1-3 |
| 690 | A1 | 04 | FL | 5 | G5 | GT | COM GEN B REG | | | 0.5.2-3 |
| 690 | A1 | 04 | FG | 1 | B6 | GT | L-12 CNTRL OF 17TH BIT | | | 0.5.1-2 |
| 690 | A2 | 04 | FY | 4-8 | D6G567 | GT | COM GEN ACC | | | 0.5.2-2 |
| 690 | A2 | 04 | FY | 1239 | B56D567 | GT | COM GEN ACC | | | 0.5.1-2 |
| 690 | A2 | 04 | GW | 1-46-9 | B56D56G67 | GT | COM GEN ACC | | | 0.5.1-2 |
| 690 | A2 | 04 | GW | 5 | G5 | GT | COM GEN ACC | | | 0.5.2-2 |
| 690 | A2 | 04 | GN | 7 | D6 | GT | COM GEN ADDER | | | 0.5.1-2 |
| 690 | A2 | 04 | HM | 5 | B6 | GT | 17 BIT OPERATION | | | 0.5.1-2 |
| 690 | A2 | 04 | GN | 7 | D6 | GT | ADDER END EFFECTS | | | 0.5.1-2 |
| 690 | A3 | 04 | EU | 45 | D6G5 | GT | INDEX SEL | | | 0.3.2 |
| 690 | A3 | 04 | EE | 1-8 | B56D56G567GT | GT | COM GEN INDEX REG | | | 0.4.2 |
| 690 | A3 | 04 | EG | 1-35-9 | B56D56G567GT | GT | COM GEN INDEX REG | | | 0.4.2 |
| 690 | A3 | 04 | EG | 4 | D6 | GT | IP DRIVER | | | 0.2.2 |
| 690 | A3 | 04 | EE | 9 | G7 | GT | PROG CTR | | | 0.4.1 |
| 690 | A4 | 04 | ER | 1-8 | B56D56G567GT | GT | COM GEN ADDERS | | | 0.5.1-2 |
| 690 | A4 | 04 | ER | 9 | G7 | GT | COM GEN ADDERS | | | 0.5.2-2 |
| 690 | A4 | 04 | FG | 27 | D6G5 | GT | COM GEN ADDERS | | | 0.3.1 |
| 690 | A4 | 04 | JP | 7 | D6 | GT | COMPARE | | | 0.6.2 |
| 690 | A4 | 04 | EL | 1-4679 | B56D56G67 | GT | COM GEN A REG | | | 0.5.1 |
| 690 | A4 | 04 | EL | 58 | G57 | GT | COM GEN A REG | | | 0.5.2 |
| 690 | A4 | 04 | EP | 2345 | B6D56 | GT | COM GEN A REG | | | 0.5.1 |
| 690 | A4 | 04 | EP | 1 | B5 | GT | COM GEN A REG | | | 0.5.2 |
| 690 | A4 | 04 | FR | 5 | G5 | GT | COM GEN A REG | | | 0.5.1 |
| 690 | A4 | 04 | FF | 7 | G6 | GT | PROG SYNC CONTROL | | | 0.7.4 |
| 690 | A5 | 04 | FD | 5 | G5 | GT | COM GEN SELECT CONTROL | | | 0.4.1 |
| 690 | A5 | 04 | FD | 6 | G6 | GT | COM GEN SELECT CONTROL | | | 0.3.1 |
| 690 | A5 | 04 | FD | 89 | G7 | GT | COM GEN SELECT CONTROL | | | 0.7.3 |
| 690 | A5 | 04 | FD | 7 | G6 | GT | COM GEN SELECT CONTROL | | | 0.7.4 |
| 690 | A5 | 04 | FD | 234 | B6D56 | GT | COM GEN SELECT CONTROL | | | 0.7.5 |
| 690 | A5 | 04 | FD | 1 | B5 | GT | COM GEN SELECT CONTROL | | | 0.7.8 |
| 690 | A5 | 04 | FF | 2 | B6 | GT | COM GEN SELECT CONTROL | | | 0.7.7 |
| 690 | A5 | 04 | FF | 3 | D5 | GT | COM GEN SELECT CONTROL | | | 0.7.8 |
| 690 | A5 | 04 | FF | 1 | B5 | GT | COM GEN SELECT CONTROL | | | 0.2.4 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-3 | 05/01/60 | LOGIC |
|-----|-----|----|----|-----------------|------------|----------------------|------------------------------|------|----------|-------|
| 690 | A6 | 04 | EW | 1 | B5 | GT | COM GEN IO CONTROL | | | 0.4.1 |
| 690 | A6 | 04 | EW | 247 | B6D6G6 | GT | COM GEN IO CONTROL | | | 0.7.3 |
| 690 | A6 | 04 | EW | 6 | G6 | GT | COM GEN IO CONTROL | | | 0.7.2 |
| 690 | A6 | 04 | EW | 5 | G5 | GT | COM GEN IO CONTROL | | | 0.7.1 |
| 690 | B1 | 04 | DT | 27 | B6G6 | GT | COM GEN MEM CONTROL | | | 0.1.1 |
| 690 | B1 | 04 | DT | 345 | D5G65 | GT | COM GEN MEM CONTROL | | | 0.1.3 |
| 690 | B1 | 04 | DT | 6 | G6 | GT | COM GEN MEM CONTROL | | | 0.4.1 |
| 690 | B1 | 04 | DT | 1 | B5 | GT | SEL CLOCK REG | | | 0.2.6 |
| 690 | B2 | 04 | FR | 2 | B6 | GT | COM GEN ACC | | 0.5.2-2 | |
| 690 | B2 | 04 | FW | 12356 | B56D5G56 | GT | COM GEN ACC | | 0.5.1-2 | |
| 690 | B2 | 04 | FW | 4789 | D6G67 | GT | COM GEN ACC | | 0.5.2-2 | |
| 690 | B3 | 04 | DX | 12678 | B56G67 | GT | COM GEN MEM BFR XFER | | | 0.1.1 |
| 690 | B3 | 04 | DX | 345 | D5G65 | GT | COM GEN MEM BFR XFER | | | 0.1.2 |
| 690 | B3 | 04 | FL | 78 | G67 | GT | COM GEN MEM BFR XFER | | | 0.1.1 |
| 690 | B3 | 04 | FL | 6 | G6 | GT | COM GEN IX INT | | | 0.6.1 |
| 690 | B3 | 04 | FL | 9 | G7 | GT | COM GEN PROG CNTR | | | 0.6.2 |
| 690 | B3 | 04 | FR | 3 | D5 | GT | L MEM BFR TO TOB & TTB GATES | | | 0.1.1 |
| 690 | B3 | 04 | FR | 4 | D6 | GT | COM GEN MEM BUF XFER | | | 0.1.2 |
| 690 | B3 | 04 | DX | 9 | G7 | GT | START TEST MEM | | | 0.4.1 |
| 690 | B4 | 04 | EH | 1-46-9856D56G67 | GT | COM GEN PROG CONTROL | | | | 0.4.1 |
| 690 | B4 | 04 | EK | 1-9 | B56D56G567 | GT | COM GEN PROG CONTROL | | | 0.4.1 |
| 690 | B4 | 04 | EW | 8 | G7 | GT | START MEM | | | 0.4.1 |
| 690 | B4 | 04 | EX | 6 | G6 | PA | MEM BFR TO TEST REG | | | 0.1.1 |
| 690 | B5 | 04 | FM | 9 | G7 | GT | COM GEN INSTR CONTROL | | | 0.2.2 |
| 690 | B5 | 04 | FM | 135 | B5D5G5 | GT | COM GEN INSTR CONTROL | | | 0.3.1 |
| 690 | B5 | 04 | FM | 24678 | B6D6G67 | GT | COM GEN INSTR CONTROL | | | 0.5.3 |
| 690 | B5 | 04 | FP | 247 | B6D6G6 | GT | COM GEN INSTR CONTROL | | | 0.3.1 |
| 690 | B5 | 04 | FP | 3569 | D5G67 | GT | COM GEN INSTR CONTROL | | | 0.2.2 |
| 690 | B5 | 04 | FP | 18 | B5G7 | GT | COM GEN INSTR CONTROL | | | 0.5.3 |
| 690 | B5 | 04 | FR | 1 | B5 | GT | COM GEN INSTR CONTROL | | | 0.5.3 |
| 690 | C1 | 04 | FF | 5 | G5 | GT | STEP CNTR 8 | | | 0.5.3 |
| 690 | C1 | 04 | DJ | 7 | D6 | GT | STEP COUNTER BIT 2 | | | 0.5.3 |
| 690 | C2 | 02 | HG | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HJ | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HL | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HN | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HR | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HT | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HV | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HX | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 03 | HG | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HJ | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HL | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HN | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HT | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HV | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 02 | HF | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HH | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HK | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HM | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HP | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HS | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HU | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 02 | HW | 46 | B6D6 | GT | L MEM BUF PAR GATE 0 SIDE | | | 0.1.1 |
| 690 | C2 | 03 | HF | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HH | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HK | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HM | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HP | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HR | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HS | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HU | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HW | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |
| 690 | C2 | 03 | HX | 46 | B6D6 | GT | R MEM BUF PAR GATE 0 SIDE | | | 0.1.2 |

MC-3

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-3 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|-------|------|----------------------------|------|----------|-------|
| 690 | C3 | 06 | GF | 4 | B6 | GT | PGM CNTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | C3 | 06 | GH | 4 | B6 | GT | PGM CNTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | C3 | 06 | GK | 4 | B6 | GT | PGM CNTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | C3 | 06 | GM | 4 | B6 | GT | PGM CNTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | C3 | 06 | GP | 4 | B6 | GT | PGM CNTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | C3 | 06 | GS | 4 | B6 | GT | PGM CNTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | C3 | 06 | GU | 4 | B6 | GT | PGM CNTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | C3 | 06 | GW | 4 | B6 | GT | PGM CNTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | C4 | 04 | DF | 7 | D6 | GT | STEP CNTR 16 | | | 0.5.3 |
| 690 | C4 | 04 | EH | 5 | G5 | GT | STEP CNTR 4 | | | 0.5.3 |
| 690 | C4 | 04 | EU | 23 | B6D5 | GT | STEP CNTR 1 | | | 0.5.3 |
| 690 | C5 | 02 | HF | 35 | B5 | GT | L MEM BUF SIGN BIT 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HH | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HK | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HM | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HP | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HS | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HU | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HW | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 03 | HF | 35 | B5 | GT | R MEM BUF SIGN BIT 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HH | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HK | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HM | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HP | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HS | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HU | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HW | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HG | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HJ | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HL | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HN | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HR | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HT | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HV | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 03 | HX | 35 | B5 | GT | R MEM BUF PAR GATE 1 SIDE | | | 0.1.2 |
| 690 | C5 | 02 | HG | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HJ | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HL | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HN | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HR | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HT | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HV | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C5 | 02 | HX | 35 | B5 | GT | L MEM BUF PAR GATE 1 SIDE | | | 0.1.1 |
| 690 | C6 | 06 | GD | 4 | B6 | GT | PGM CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 | C6 | 06 | GJ | 4 | B6 | GT | PGM CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 | C6 | 06 | GL | 4 | B6 | GT | PGM CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 | C6 | 06 | GN | 4 | B6 | GT | PGM CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 | C6 | 06 | GR | 4 | B6 | GT | PGM CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 | C6 | 06 | GT | 4 | B6 | GT | PGM CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 | C6 | 06 | GV | 4 | B6 | GT | PGM CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 | C6 | 06 | GX | 4 | B6 | GT | PGM CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 | C6 | 06 | GG | 4 | B6 | GT | PGM CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 | D1 | 04 | CE | 67 | G566 | GT | TPD-0 TP-0 | | | 0.2.3 |
| 690 | D1 | 04 | CF | 89 | B6D6 | GT | TPD-1 TP-1 IP-1 | | | 0.2.3 |
| 690 | D1 | 04 | CG | 89 | G56 | GT | TPD-2 TP-2 IP-2 | | | 0.2.3 |
| 690 | D1 | 04 | CH | 89 | G56 | GT | TPD-3 TP-3 IP-3 | | | 0.2.3 |
| 690 | D1 | 04 | CJ | 89 | G56 | GT | TPD-4 TP-4 IP-4 | | | 0.2.3 |
| 690 | D1 | 04 | CK | 89 | G56 | GT | TPD-5 TP-5 IP-5 | | | 0.2.3 |
| 690 | D1 | 04 | CL | 89 | G56 | GT | TPD-6 TP-6 IP-6 | | | 0.2.3 |
| 690 | D1 | 04 | CM | 67 | B6D6 | GT | TPD-7 TP-7 IP-7 | | | 0.2.3 |
| 690 | D1 | 04 | CN | 89 | G56 | GT | TPD-8 TP-8 IP-8 | | | 0.2.3 |
| 690 | D1 | 04 | CP | 89 | G56 | GT | TPD-9 TP-9 IP-9 | | | 0.2.3 |
| 690 | D1 | 04 | CR | 89 | G56 | GT | TPD-10 TP-10 IP-10 | | | 0.2.3 |
| 690 | D1 | 04 | CS | 89 | G56 | GT | TPD-10 TP-10 IP-11 | | | 0.2.3 |
| 690 | D2 | 03 | HX | 3-6 | B56D6 | GT | R MEM BUF PAR GATE 15 BIT | | | 0.1.2 |
| 690 | D3 | 02 | JF | 6 | D6 | GT | L MEM BUF S TO ADR REG | | | 0.1.1 |
| 690 | D3 | 02 | JG | 6 | D6 | GT | L MEM BUF TO OPERATION REG | | | 0.1.1 |
| 690 | D3 | 02 | JH | 6 | D6 | GT | L MEM BUF TO OPERATION REG | | | 0.1.1 |

MC-3

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-3 | 05/01/60 | LOGIC |
|-----|-----|----|----|----------------|--------------|------|---------------------------------|------|----------|-------|
| 690 | D4 | 06 | DC | 2 | B6 | GT | ADR REG TO TEST & MEM ADR 162 | | | 0.4.1 |
| 690 | D4 | 06 | DF | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DG | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DH | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DJ | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DK | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DL | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DM | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DN | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DP | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DR | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DW | 2 | B6 | GT | ADR REG TO TEST & MEM ADR 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DS | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DT | 2 | B6 | GT | ADR REG TO MEM ADR REG 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DU | 2 | B6 | GT | ADR REG TO TEST & MEM ADR 162 | | | 0.4.1 |
| 690 | D4 | 06 | DV | 2 | B6 | GT | ADR REG TO TEST & MEM ADR 161 | | | 0.4.1 |
| 690 | D4 | 06 | DX | 2 | B6 | GT | ADR REG TO TEST & MEM ADR 1 & 2 | | | 0.4.1 |
| 690 | D4 | 06 | DD | 3 | D5 | PA | ADR REG PARITY CHECK | | | 0.4.1 |
| 690 | D4 | 06 | DE | 58 | G57 | PA | ADR REG PARITY CHECK | | | 0.4.1 |
| 690 | D5 | 06 | GD | 67 | G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GF | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GG | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GH | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GJ | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GK | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GL | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GM | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GN | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GP | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GR | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GS | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GT | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GU | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GV | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GW | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D5 | 06 | GX | 67 | B5G6 | GT | PROG CTR TO RA REG & ADR REG | | | 0.4.1 |
| 690 | D6 | 04 | DL | 29 | D6G7 | GT | STEP CTR 7 TO 6, 3 TO 2 | | | 0.5.3 |
| 690 | D6 | 04 | BJ | 124689B56D6G67 | | GT | TPD CONTROL | | | 0.2.2 |
| 690 | D6 | 04 | BJ | 3 | D5 | GT | CPC CONTROL | | | 0.2.5 |
| 690 | D6 | 04 | BS | 3 | D5 | GT | COMPLEMENT 3X | | | 0.2.4 |
| 690 | D6 | 04 | BS | 6789 | G67* | GT | SINGLE PULSE | | | 0.2.2 |
| 690 | D6 | 04 | BT | 3 | D5 | GT | CPC START | | | 0.2.5 |
| 690 | D6 | 04 | BX | 4 | D6 | GT | CPC CONTROL | | | 0.2.5 |
| 690 | D6 | 04 | BY | 1-9 | B56D56G567GT | GT | LOAD CPC | | | 0.2.5 |
| 690 | D6 | 04 | CU | 46 | D6G6 | GT | CPC BITS 123 | | | 0.2.5 |
| 690 | D6 | 04 | DN | 7 | G6 | GT | MC TRANSITION | | | 0.2.2 |
| 690 | D6 | 04 | CT | 246 | B6D6G6 | GT | CPC BITS 456 789 | | | 0.2.5 |
| 690 | D6 | 04 | BJ | 7 | G6 | GT | ALARM BRANCH SYNC | | | 0.2.2 |
| 690 | D6 | 04 | BD | 6 | G6 | GT | INACTIVE TPD & ALRM BR SYNC | | | 0.2.2 |
| 690 | D6 | 04 | BT | 12 | B56 | GT | CONTINUE CONTROL SYNC | | | 0.2.2 |
| 690 | D6 | 04 | BT | 567 | G56 | GT | TPD CONTROL SYNC & ZMC OP | | | 0.2.2 |
| 690 | D6 | 04 | CT | 789 | G67 | GT | DIVIDE TPD 0.1*2 | | | 0.5.3 |
| 690 | D6 | 04 | DN | 12 | B56 | GT | DIVIDE TPD 36 | | | 0.5.3 |
| 690 | D6 | 04 | CU | 123 | B56D6 | GT | MEMCYCLE INSTR STEP & SYNC | | | 0.2.2 |
| 690 | D6 | 04 | DN | 456 | D6G56 | GT | 2 MC SYNC & CLR PAUSN DELAY | | | 0.5.3 |
| 690 | D6 | 04 | EG | 4 | D6 | GT | 2 MC TPD ON | | | 0.2.2 |
| 690 | D6 | 04 | DY | 8 | G7 | GT | TP-0 DELAYED, CLR LFT MEM BFR | | | 0.1.1 |
| 690 | D6 | 04 | DY | 9 | G7 | GT | TP-0 DELAYED, CLR RT MEM BFR | | | 0.1.2 |
| 690 | D6 | 04 | CU | 7 | G6 | GT | STORE PARITY WORD | | | 0.7.5 |
| 690 | E1 | 06 | CF | 79 | G57 | GT | ADR REG CARRY EVEN BIT | | | 0.4.1 |
| 690 | E1 | 06 | CH | 79 | G57 | GT | ADR REG CARRY EVEN BIT | | | 0.4.1 |
| 690 | E1 | 06 | CK | 79 | G57 | GT | ADR REG CARRY EVEN BIT | | | 0.4.1 |
| 690 | E1 | 06 | CM | 79 | G57 | GT | ADR REG CARRY EVEN BIT | | | 0.4.1 |
| 690 | E1 | 06 | CP | 79 | G57 | GT | ADR REG CARRY EVEN BIT | | | 0.4.1 |
| 690 | E1 | 06 | CS | 79 | G57 | GT | ADR REG CARRY EVEN BIT | | | 0.4.1 |
| 690 | E1 | 06 | CU | 79 | G57 | GT | ADR REG CARRY EVEN BIT | | | 0.4.1 |
| 690 | E1 | 06 | CW | 79 | G57 | GT | ADR REG CARRY EVEN BIT | | | 0.4.1 |
| 690 | E2 | 06 | CD | 79 | G57 | GT | ADR REG CARRY ODD BIT | | | 0.4.1 |
| 690 | E2 | 06 | CG | 79 | G57 | GT | ADR REG CARRY ODD BIT | | | 0.4.1 |
| 690 | E2 | 06 | CJ | 79 | G57 | GT | ADR REG CARRY ODD BIT | | | 0.4.1 |
| 690 | E2 | 06 | CL | 79 | G57 | GT | ADR REG CARRY ODD BIT | | | 0.4.1 |
| 690 | E2 | 06 | CN | 79 | G57 | GT | ADR REG CARRY ODD BIT | | | 0.4.1 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-3 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|----------|------|---------------------------------|------|----------|---------|
| 690 | E2 | 06 | CR | 79 | G57 | GT | ADR REG CARRY ODD BIT | | | 0+4+1 |
| 690 | E2 | 06 | CT | 79 | G57 | GT | ADR REG CARRY ODD BIT | | | 0+4+1 |
| 690 | E2 | 06 | CV | 79 | G57 | GT | ADR REG CARRY ODD BIT | | | 0+4+1 |
| 690 | E2 | 06 | CX | 79 | G57 | GT | ADR REG CARRY ODD BIT | | | 0+4+1 |
| 690 | E3 | 04 | BM | 4 | G6 | APA | MAN OP SET TO TL-8 | | | 0+2+2 |
| 690 | E3 | 04 | BM | 5 | G7 | DD | INSTR STEP | | | 0+2+2 |
| 690 | E3 | 04 | BU | 7 | G6 | PA | PT 5 & ALARM BRN | | | 0+2+2 |
| 690 | E3 | 04 | EM | 34 | D56 | PA | CLEAR & COMPLIMENT RA REG | | | 0+5+2 |
| 690 | E3 | 04 | FU | 1389 | B5D5G7 | PA | COM GEN ACC | | | 0+5+1-2 |
| 690 | E3 | 04 | BU | 6 | G6 | PA | SET CPC | | | 0+2+5 |
| 690 | E3 | 04 | BW | 1 | D5 | DD | PT-5 & ALARM BR | | | 0+2+2 |
| 690 | E5 | 02 | HE | 3-6 | B5D6 | GT | L MEM BUF PARITY BIT | | | 0+1+1 |
| 690 | F1 | 04 | CV | 123 | B6 | OSC | 2 MC MASTER CLOCK OSC | | | 0+2+2 |
| 690 | F1 | 04 | CV | 4 | B6 | SH | 2 MC MASTER CLOCK OSC | | | 0+2+2 |
| 690 | F2 | 04 | BU | 1-5 | B56D56G5 | BPA | TPD & CPC CONTROL | | | 0+2+4 |
| 690 | F2 | 04 | BV | 1 | D5 | DD | COMPL PULSE | | | 0+2+4 |
| 690 | F2 | 04 | FE | 2 | B6 | BPA | DESELECT & CTL CLR | | | 0+7+5 |
| -150 | A1 | 04 | BF | 23 | B7 | AFF | TPD CONTINUE | | | 0+2+2 |
| -150 | A1 | 04 | BH | 2378 | B7 | AFF | TPD CNTRL PAUSE BREAK | | | 0+2+2 |
| -150 | A1 | 04 | BK | 125-8 | B7D7 | AFF | TPD CONTROL SYNC 2MC OPERATION | | | 0+2+2 |
| -150 | A1 | 04 | BL | 2378 | B7 | AFF | CONTINUE TPD CONTROL | | | 0+2+2 |
| -150 | A1 | 04 | BN | 1256 | B7D7 | AFF | CONTINUE CONTROL SYNC | | | 0+2+2 |
| -150 | A1 | 04 | BP | 125-8 | B7D7 | AFF | MEM CYCLE..INSTR STEP & SYNC | | | 0+2+2 |
| -150 | A1 | 04 | BR | 2378 | B7 | AFF | SINGLE PULSE & LOAD | | | 0+2+2 |
| -150 | A1 | 04 | HS | 1289 | B7D7 | AFF | FIRST & SECOND CSW TRANSFER | | | 0+7+3 |
| -150 | A1 | 04 | CC | 125-8 | B7D7 | AFF | DIVIDE TPD 0+162 | | | 0+5+3 |
| -150 | A1 | 04 | DC | 125-8 | B7D7 | AFF | DVD TPD 3+4 & DVD CLR PAUSE DLY | | | 0+5+3 |
| -150 | A1 | 04 | DE | 12 | B7 | AFF | STEP COUNTER BIT 32 | | | 0+5+3 |
| -150 | A1 | 04 | DF | 12 | B7 | AFF | STEP COUNTER BIT 16 | | | 0+5+3 |
| -150 | A1 | 04 | DG | 89 | D7 | AFF | STEP CTR 8 | | | 0+5+3 |
| -150 | A1 | 04 | DH | 89 | D7 | AFF | STEP CNTR 4 | | | 0+5+3 |
| -150 | A1 | 04 | DJ | 12 | B7 | AFF | STEP COUNTER BIT 2 | | | 0+5+3 |
| -150 | A1 | 04 | DK | 89 | D7 | AFF | STEP CNTR 1 | | | 0+5+3 |
| -150 | A1 | 04 | DM | 125-8 | B7D7 | AFF | SET 2 MC SYNC & CL PAUSE DELAY | | | 0+5+3 |
| -150 | A1 | 04 | BN | 78 | D7 | AFF | CPC START | | | 0+2+5 |
| -150 | A1 | 04 | BX | 1289 | B7D7 | AFF | CPC CONTROL | | | 0+2+5 |
| -150 | A1 | 04 | CW | 125-8 | B7D7 | AFF | CPC BITS 1+2+3 | | | 0+2+5 |
| -150 | A1 | 04 | CX | 125-8 | B7D7 | AFF | CPC BITS 4+5+6 | | | 0+2+5 |
| -150 | A1 | 04 | CY | 125-8 | B7D7 | AFF | CPC BITS 7+8+9 | | | 0+2+5 |
| -150 | A1 | 04 | HT | 89 | D7 | AFF | CYCLE CONTROL PT-0T | | | 0+3+1 |
| -150 | A1 | 04 | HU | 89 | D7 | AFF | CYCLE CONTROL A & B | | | 0+3+1 |
| -150 | A1 | 04 | HV | 89 | D7 | AFF | CYCLE CONTROL I-O INTLK | | | 0+3+1 |
| -150 | A1 | 04 | HW | 89 | D7 | AFF | CYCLE CONTROL BRANCH | | | 0+3+1 |
| -150 | A1 | 04 | BD | 89 | D7 | AFF | INACTIVE TPD | | | 0+2+2 |
| -150 | A1 | 04 | BD | 12 | B7 | AFF | ALARM BRANCH SYNC | | | 0+2+2 |
| -150 | A1 | 04 | BF | 78 | B7 | AFF | MC TRANSITION | | | 0+2+2 |
| -150 | A2 | 04 | CE | 12 | B7 | AFF | TPD-0 TP-0 | | | 0+2+3 |
| -150 | A2 | 04 | CF | 12 | B7 | AFF | TPD-1 TP-1 IP-1 | | | 0+2+3 |
| -150 | A2 | 04 | CG | 12 | B7 | AFF | TPD-2 TP-2 IP-2 | | | 0+2+3 |
| -150 | A2 | 04 | CH | 12 | B7 | AFF | TPD-3 TP-3 IP-3 | | | 0+2+3 |
| -150 | A2 | 04 | CJ | 12 | B7 | AFF | TPD-4 TP-4 IP-4 | | | 0+2+3 |
| -150 | A2 | 04 | CK | 12 | B7 | AFF | TPD-5 TP-5 IP-5 | | | 0+2+3 |
| -150 | A2 | 04 | CL | 12 | B7 | AFF | TPD-6 TP-6 IP-6 | | | 0+2+3 |
| -150 | A2 | 04 | CM | 12 | B7 | AFF | TPD-7 TP-7 IP-7 | | | 0+2+3 |
| -150 | A2 | 04 | CN | 12 | B7 | AFF | TPD-8 TP-8 IP-8 | | | 0+2+3 |
| -150 | A2 | 04 | CP | 12 | B7 | AFF | TPD-9 TP-9 IP-9 | | | 0+2+3 |
| -150 | A2 | 04 | CR | 12 | B7 | AFF | TPD-10 TP-10 IP-10 | | | 0+2+3 |
| -150 | A2 | 04 | CS | 12 | B7 | AFF | TPD-11 TP-11 IP-11 | | | 0+2+3 |
| -150 | A3 | 04 | JN | 12 | B7 | AFF | OP REG VARIATION 10 | | | 0+3+1 |
| -150 | A3 | 04 | JP | 12 | B7 | AFF | OP REG VARIATION 9 | | | 0+3+1 |
| -150 | A3 | 04 | JR | 12 | B7 | AFF | OP REG VARIATION 8 | | | 0+3+1 |
| -150 | A3 | 04 | JS | 12 | B7 | AFF | OP REG VARIATION 7 | | | 0+3+1 |
| -150 | A3 | 04 | JT | 89 | D7 | AFF | OP REG CLASS 6 | | | 0+3+1 |
| -150 | A3 | 04 | JU | 89 | D7 | AFF | OP REG CLASS 5 | | | 0+3+1 |
| -150 | A3 | 04 | JV | 89 | D7 | AFF | OP REG CLASS 4 | | | 0+3+1 |
| -150 | A3 | 04 | JW | 89 | D7 | AFF | OP REG INDEX 3 | | | 0+3+1 |

MC-3

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-3 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|-------------------------------------|------|----------|-------|
| -150 | A3 | 04 | JX | 89 | D7 | AFF OP REG INDEX 2 | | | 0.3.1 |
| -150 | A3 | 04 | JY | 89 | D7 | AFF OP REG INDEX 1 | | | 0.3.1 |
| -150 | A3 | 04 | GN | 12 | B7 | AFF OP REG VARIATION 12 | | | 0.3.1 |
| -150 | A3 | 04 | HY | 12 | B7 | AFF OP REG VARIATION 11 | | | 0.3.1 |
| -150 | A4 | 04 | DS | 78 | B7 | AFF TM START CNTRL & PARITY CHECK | | | 0.4.1 |
| -150 | A4 | 04 | DS | 23 | B7 | AFF MEM UNIT SEL CNTRL TM & MEM 152 | | | 0.1.3 |
| -150 | A4 | 04 | DR | 23 | B7 | AFF MEM UNIT SEL CNTRL CLOCK REG | | | 0.2.6 |
| -150 | A4 | 04 | DR | 78 | B7 | AFF PARITY WD XFER | | | 0.1.3 |
| -150 | A5 | 06 | GD | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GF | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GG | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GH | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GJ | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GK | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GL | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GM | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GN | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GP | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GR | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GS | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GT | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GU | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GV | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GW | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A5 | 06 | GX | 12 | B7 | AFF PGM CNTR | | | 0.4.1 |
| -150 | A6 | 06 | CD | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CF | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CG | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CH | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CJ | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CK | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CL | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CM | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CN | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CP | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CR | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CS | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CT | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CU | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CV | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CW | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | A6 | 06 | CX | 23 | B7 | AFF ADR REG | | | 0.4.1 |
| -150 | B1 | 04 | GG | 1-99 | D7 | CF6 INSTR MATRIX BRANCH & MISC | | | 0.3.2 |
| -150 | B2 | 04 | HC | 1-6 | D7 | CF6 INSTR MATRIX I-0 | | | 0.3.2 |
| -150 | B2 | 04 | HC | 6 | D7 | CF BSN OT & NO ALARM | | | 0.3.2 |
| -150 | B3 | 04 | GK | 1-5 | B7 | CF INSTR MATRIX RESET INDEX CLASS | | | 0.3.2 |
| -150 | B3 | 04 | GL | 1289 | B7 | CF6 INSTR MATRIX RESET INDEX CLASS | | | 0.3.2 |
| -150 | B4 | 04 | GC | 1-9 | D7 | CF6 INSTR MATRIX MISC CLASS | | | 0.3.2 |
| -150 | B4 | 04 | GE | 2-9 | D7 | CF6 INSTR MATRIX MISC CLASS | | | 0.3.2 |
| -150 | B4 | 04 | GF | 3-9 | D7 | CF6 INSTR MATRIX MISC CLASS | | | 0.3.2 |
| -150 | B4 | 04 | FS | 1-9 | D7 | CF6 INSTR MATRIX MISC CLASS | | | 0.3.2 |
| -150 | B4 | 04 | GF | 12 | D7 | CF6 CLASS CYCLE ADD | | | 0.3.1 |
| -150 | B4 | 04 | GE | 1 | D7 | CF6 IX INT COMP TO ADR REG | | | 0.3.2 |
| -150 | B4 | 04 | GE | 1 | D7 | CF6 IX INT COMP TO ADR REG | | | 0.3.2 |
| -150 | C1 | 04 | JH | 123 | D7 | CF6 CLASS CYCLE BRANCH | | | 0.3.1 |
| -150 | C2 | 04 | JK | 123567D7 | | CF6 CLASS CYCLE ADD I-0 | | | 0.3.1 |
| -150 | C3 | 04 | JJ | 123567D7 | | CF6 CLASS CYCLE STORE RESET | | | 0.3.1 |
| -150 | C4 | 04 | JL | 123567D7 | | CF6 CLASS CYCLE SHIFT & MISC | | | 0.3.1 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-3 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|--------------------------------------|------|----------|---------|
| -150 | C4 | 04 | JM | 12356 | D7 | CF6 CLASS CYCLE MULT | | | 0.3.1 |
| -150 | C5 | 04 | JC | 123567D7 | | CF6 VARIATION MATRIX | | | 0.3.1 |
| -150 | C5 | 04 | JD | 123567D7 | | CF6 VARIATION MATRIX | | | 0.3.1 |
| -150 | C5 | 04 | JE | 123567D7 | | CF6 VARIATION MATRIX | | | 0.3.1 |
| -150 | C5 | 04 | JF | 123567D7 | | CF6 VARIATION MATRIX | | | 0.3.1 |
| -150 | C5 | 04 | JG | 123567D7 | | CF6 VARIATION MATRIX | | | 0.3.1 |
| -150 | C5 | 04 | HP | 123567D7 | | CF6 INDEX SELECTION MATRIX | | | 0.3.1 |
| -150 | C5 | 04 | HR | 567 D7 | | CF6 INDEX SELECTION MATRIX | | | 0.3.1 |
| -150 | C5 | 04 | HR | 12 D7 | | CF6 AOR 16 BIT OPERATION | | | 0.5.1-2 |
| -150 | D1 | 04 | BF | 45 D7 | | CF6 TPD CONTINUE | | | 0.2.2 |
| -150 | D1 | 04 | BG | 123 D7 | | CF6 TPD CNTRL PAUSE BREAK | | | 0.2.2 |
| -150 | D1 | 04 | BH | 14569 D7 | | CF6 TPD CNTRL PAUSE BREAK | | | 0.2.2 |
| -150 | D1 | 04 | BL | 14569 D7 | | CF6 CONTINUE TPD CONTROL | | | 0.2.2 |
| -150 | D1 | 04 | DE | 345 D7 | | CF6 STEP COUNTER BIT 32 | | | 0.5.3 |
| -150 | D1 | 04 | DF | 345 D7 | | CF6 STEP COUNTER BIT 16 | | | 0.5.3 |
| -150 | D1 | 04 | BF | 569 D7 | | CF MC TRANSITION OFF | | | 0.2.2 |
| -150 | D1 | 04 | DJ | 345 D7 | | CF6 STEP COUNTER BIT 2 | | | 0.5.3 |
| -150 | D1 | 04 | DL | 4568 D7 | | CF6 STEP COUNTER | | | 0.5.3 |
| -150 | D2 | 04 | GN | 345 D7 | | CF6 OP REG VARIATION 12 | | | 0.3.1 |
| -150 | D2 | 04 | HY | 345 D7 | | CF6 OP REG VARIATION 11 | | | 0.3.1 |
| -150 | D2 | 04 | JN | 345 D7 | | CF6 OP REG VARIATION 10 | | | 0.3.1 |
| -150 | D2 | 04 | JP | 345 D7 | | CF6 OP REG VARIATION 9 | | | 0.3.1 |
| -150 | D2 | 04 | JR | 345 D7 | | CF6 OP REG VARIATION 8 | | | 0.3.1 |
| -150 | D2 | 04 | JS | 345 D7 | | CF6 OP REG VARIATION 7 | | | 0.3.1 |
| -150 | D2 | 04 | JW | 345 D7 | | CF6 OP REG INDEX 3 | | | 0.3.1 |
| -150 | D2 | 04 | JX | 345 D7 | | CF6 OP REG INDEX 2 | | | 0.3.1 |
| -150 | D2 | 04 | JY | 345 D7 | | CF6 OP REG INDEX 1 | | | 0.3.1 |
| -150 | D2 | 04 | CE | 34 D7 | | CF6 TPD-0 TP-0 | | | 0.2.3 |
| -150 | D2 | 04 | CM | 34 D7 | | CF6 TPD-7 TP-7 IP-7 | | | 0.2.3 |
| -150 | D5 | 04 | BV | 456 D7 | | APG TPD & CPC CONTROL PULSE GENS | | | 0.2.2 |
| -150 | D5 | 04 | BV | 7 D7 | | APG TPD & CPC CONTROL PULSE GENS | | | 0.2.4 |
| -150 | D5 | 04 | BW | 45689 D7 | | APG TPD & CPC CONTROL PULSE GENS | | | 0.2.2 |
| -150 | D5 | 04 | BW | 7 D7 | | APG TPD & CPC CONTROL PULSE GENS | | | 0.2.4 |
| -150 | D5 | 04 | BV | 89 D7 | | APG COMPUTER ACTIVE & DUPLEX SW OPER | | | 0.2.2 |
| -150 | E1 | 02 | GE | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GF | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GG | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GH | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GJ | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GK | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GL | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GM | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GN | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GP | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GR | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GS | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GT | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GU | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GV | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GW | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 02 | GX | 89 D7 | | AFF L MEM BUF | | | 0.1.1 |
| -150 | E1 | 03 | GF | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GG | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GH | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GJ | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GK | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GL | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GM | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GN | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GP | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GR | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GS | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GT | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GU | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GV | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GW | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |
| -150 | E1 | 03 | GX | 89 D7 | | AFF R MEM BUF | | | 0.1.2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC- | 05/01/60 | LOGIC |
|---|-----|----|----|-------|------|------------------|-----|----------|-------|
|---|-----|----|----|-------|------|------------------|-----|----------|-------|

TO BE USED FOR ADDITIONAL INFORMATION

| V C-L FR PU TUBES PINS | | | | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------------------------|----|----|---------|------------------|------------------------------------|----------|-------|
| 6250 | A1 | 03 | KD 3-7 | 85 | PCF RI-O REG TO PRNTR EXIT CTRL | | 0.7+6 |
| 6250 | A1 | 03 | MD 345 | 85 | PCF R TEST REG | | 0.1+3 |
| 6250 | A2 | 05 | AU 345 | 85 | PCF INDEX INTERVAL | | 0.6+1 |
| 6250 | A2 | 05 | AV 345 | 85 | PCF INDEX INTERVAL | | 0.6+1 |
| 6250 | A2 | 05 | AW 345 | 85 | PCF INDEX INTERVAL | | 0.6+1 |
| 6250 | A2 | 05 | AX 345 | 85 | PCF INDEX INTERVAL | | 0.6+1 |
| 6250 | A2 | 05 | AY 345 | 85 | PCF INDEX INTERVAL | | 0.6+1 |
| 6250 | A2 | 05 | AT 345 | 85 | PCF INDEX INTERVAL | | 0.6+1 |
| 6250 | B1 | 05 | EH 123 | 85 | PCF READ WRITE BREAK IN & OUT | | 0.2+3 |
| 6250 | B1 | 05 | EP 345 | 85 | PCF WORD COUNTER STATUS | | 0.7+3 |
| 6250 | B1 | 05 | DX 345 | 85 | PCF BIT R-1 DRUM ADR REG | | 0.7+7 |
| 6250 | C1 | 05 | BP 67 | 85 | LA BRANCH ON BSN CONTROL | | 0.7+4 |
| 6250 | C1 | 05 | BP 23 | 85 | LA BREAK PARITY CHECK CONTROL | | 0.1+1 |
| 6250 | D1 | 13 | AJ 789 | 85 | LA TA SEL READY READ WRITE | | 0.8+2 |
| 6250 | D1 | 13 | AM 56 | 85 | PCF TA RESET CHAR REG | | 0.8+3 |
| 6250 | D1 | 13 | AJ 46 | 85 | PCF TA CLOCK CHAR GATE WRITE PULSE | | 0.8+3 |
| 6250 | D1 | 13 | BS 67 | 85 | CPG TA TEST WRT WD CTR ZERO CYCLES | | 0.8+5 |
| 6250 | D1 | 13 | BT 4 | 85 | CPG TA TEST READ & REWIND CYCLE | | 0.8+5 |
| 6250 | D1 | 13 | BH 8 | 85 | I TA PREPARED | | 0.8+1 |
| 6250 | E1 | 13 | BG 13 | 85 | I TA NOT LD PT RWD STAT FILE PROT | | 0.8+2 |
| 6250 | E1 | 13 | BG 567 | 85 | PCF TA READ & WRITE STATUS | | 0.8+2 |
| 6250 | E1 | 13 | BM 123 | 85 | MPD TA SYNC PULSE MPD | | 0.8+2 |
| 6250 | E1 | 13 | CJ 2367 | 85 | PCF TA WORD RING | | 0.8+4 |
| 6250 | E1 | 13 | CK 2367 | 85 | PCF TA WORD RING | | 0.8+4 |
| 6250 | E1 | 13 | CL 2367 | 85 | PCF TA WORD RING | | 0.8+4 |
| 6250 | E1 | 13 | CM 2367 | 85 | PCF TA WORD RING | | 0.8+4 |
| 6250 | E1 | 13 | CN 2367 | 85 | PCF TA WORD RING | | 0.8+4 |
| 6250 | E1 | 13 | CP 2367 | 85 | PCF TA WORD RING | | 0.8+4 |
| 6150 | A1 | 06 | HE 349 | 86D6G6 | CF DRUM CNTRL INTERLEAVE | | 0.7+2 |
| 6150 | A1 | 06 | HL 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A1 | 06 | HM 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A1 | 06 | HN 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A1 | 06 | HP 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A1 | 06 | HR 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A1 | 06 | HS 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A1 | 06 | HT 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A1 | 06 | HU 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A1 | 06 | HV 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A1 | 06 | HW 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A1 | 06 | HX 346 | D5G5 | CF DRUM CONTROL REG | | 0.7+2 |
| 6150 | A2 | 02 | KE 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KF 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KG 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KH 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KJ 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KK 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KL 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KM 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KN 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KP 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KR 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KS 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KT 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KU 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KV 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KW 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | KX 45 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | LF 2 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | LG 2 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | LH 2 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | LJ 2 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | LK 2 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | LL 2 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | LM 2 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | LN 2 | D5 | CF L I-O REG | | 0.7+1 |
| 6150 | A2 | 02 | LP 2 | D5 | CF L I-O REG | | 0.7+1 |

MC-4

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------|-------------|------|----------|-------|
| 6150 | A2 | 02 | LR | 2 | D5 | CF | L I-O REG | | | 0.7.1 |
| 6150 | A2 | 02 | LS | 2 | D5 | CF | L I-O REG | | | 0.7.1 |
| 6150 | A2 | 02 | LT | 2 | D5 | CF | L I-O REG | | | 0.7.1 |
| 6150 | A2 | 02 | LU | 2 | D5 | CF | L I-O REG | | | 0.7.1 |
| 6150 | A2 | 02 | LV | 2 | D5 | CF | L I-O REG | | | 0.7.1 |
| 6150 | A2 | 02 | LW | 2 | D5 | CF | L I-O REG | | | 0.7.1 |
| 6150 | A2 | 02 | LX | 2 | D5 | CF | L I-O REG | | | 0.7.1 |
| 6150 | A2 | 02 | LF | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LG | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LH | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LJ | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LK | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LL | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LM | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LN | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LP | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LR | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LS | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LT | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LU | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LV | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LW | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 02 | LX | 12 | D5 | CF | L I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | KF | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KG | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KH | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KJ | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KK | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KL | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KM | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KN | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KP | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KR | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KS | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KT | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KU | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KV | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KW | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | KX | 45 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LF | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LG | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LH | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LJ | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LK | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LL | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LM | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LN | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LP | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LR | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LS | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LT | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LU | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LV | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LW | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LX | 2 | D5 | CF | R I-O REG | | | 0.7.2 |
| 6150 | A2 | 03 | LF | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LG | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LH | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LJ | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LK | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LL | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LM | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LN | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LP | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LR | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LS | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LT | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LU | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LV | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LW | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A2 | 03 | LX | 12 | D5 | CF | R I-O REG | | | 0.7.6 |
| 6150 | A3 | 06 | KE | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KF | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KG | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KH | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KJ | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KK | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KL | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------|----------------------------------|------|----------|-------|
| 6150 | A3 | 06 | KM | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KN | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KP | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KR | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KS | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KT | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KU | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KV | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KW | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | KX | 4 | D5 | CF | L I-O BUF | | | 0.7.1 |
| 6150 | A3 | 06 | JF | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JG | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JH | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JJ | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JK | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JL | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JM | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JN | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JP | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JR | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JS | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JT | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JU | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JV | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JW | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| 6150 | A3 | 06 | JX | 456 | D5 | CF | R I-O BUF | | | 0.7.2 |
| | | | | | | | | | | |
| 6150 | A4 | 06 | FF | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FD | 5 | D5 | CF | I-O ADR COUNTER | | | 0.4.1 |
| 6150 | A4 | 06 | FG | 7 | 85 | CF | WD CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FH | 7 | 85 | CF | WD CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FJ | 7 | 85 | CF | WD CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FK | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FL | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FM | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FN | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FP | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FR | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FS | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FT | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FU | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FV | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FW | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FX | 5 | D5 | CF | I-O ADR CTR | | | 0.4.1 |
| 6150 | A4 | 06 | FD | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FF | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FG | 5 | D5 | CF | I-O WORD COUNTER | | | 0.7.3 |
| 6150 | A4 | 06 | FH | 5 | D5 | CF | I-O WORD COUNTER | | | 0.7.3 |
| 6150 | A4 | 06 | FJ | 5 | D5 | CF | I-O WORD COUNTER | | | 0.7.3 |
| 6150 | A4 | 06 | FK | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FL | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FM | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FN | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FP | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FR | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FS | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FT | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FU | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FV | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FW | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| 6150 | A4 | 06 | FX | 7 | 85 | CF | WD CTR | | | 0.7.3 |
| | | | | | | | | | | |
| 6150 | B1 | 05 | BD | 38 | D5 | CF | INACTIVITY | | | 0.7.4 |
| 6150 | B1 | 05 | BH | 8 | D5 | CF | TTY PARITY | | | 0.7.4 |
| 6150 | B1 | 05 | BK | 8 | D5 | CF | G-G P. RITY | | | 0.7.4 |
| 6150 | B1 | 05 | CR | 258 | D5 | CF | OP PRINTERS 1 2 3 | | | 0.7.6 |
| 6150 | B1 | 05 | CT | 258 | D5 | CF | OP PRINTERS 4 5 6 | | | 0.7.6 |
| 6150 | B1 | 05 | CU | 258 | D5 | CF | OP PRINTERS 7 8 9 | | | 0.7.6 |
| 6150 | B1 | 05 | CW | 258 | D5 | CF | OP PRINTER 10 PUNCH 162 | | | 0.7.6 |
| 6150 | B1 | 05 | BC | 38 | D5 | CF | CONDITION LITES 1 2 3 | | | 0.7.4 |
| 6150 | B1 | 05 | BE | 38 | D5 | CF | INTERCOM 1,2,3, TAPES NOT RDY | | | 0.7.4 |
| 6150 | B1 | 05 | BF | 38 | D5 | CF | INTERCOM COND LGT 4 & DUPMC EXC | | | 0.7.4 |
| 6150 | B1 | 05 | BH | 38 | D5 | CF | ALARM 1 & 2 & TRACK DISPLAY | | | 0.7.4 |
| 6150 | B1 | 05 | BJ | 38 | D5 | CF | RDR PRINTER PUNCH TAPE NOT READY | | | 0.7.4 |
| 6150 | B1 | 05 | BK | 38 | D5 | CF | MEM DR TAPE PAR SD CAMERA STAT | | | 0.7.4 |
| 6150 | B1 | 05 | BL | 38 | D5 | CF | LGR OFLOW OPUT ALM & STS DRM | | | 0.7.4 |
| 6150 | B1 | 05 | BM | 38 | D5 | CF | INPUT DATA & SIMPLEX CONTROL | | | 0.7.4 |
| 6150 | B1 | 05 | BN | 38 | D5 | CF | OUT PAR ILL ADR OB PAR | | | 0.7.4 |

MC-4

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|------------|------|------------------------------------|------|----------|-------|
| 6150 | B1 | 05 | BS | 2347 | B5 | CF DUP & SENSE SWS 1-4 & I-O INTLK | | 0.7.4 | |
| 6150 | B1 | 05 | BP | 567 | D5G5 | LACFBANCH ON BSN CONTROL | | 0.7.4 | |
| 6150 | B1 | 05 | BP | 234 | D5G5 | LACFBREK PARITY CHECK CONTROL | | 0.1.1 | |
| 6150 | B1 | 05 | BU | 569 | D5 | CF BREAK PARITY CHECK CONTROL | | 0.1.1 | |
| 6150 | B1 | 05 | BU | 5 | D5 | CF BRANCH ON BSN SYNC | | 0.7.4 | |
| 6150 | B1 | 05 | CD | 5 | D5 | CF DRUM MODE SELECT GATES | | 0.7.4 | |
| 6150 | B1 | 05 | CD | 2 | D5 | CF DRUM MODE SELECT GATES | | 0.7.6 | |
| 6150 | B1 | 05 | CD | 346-9 | D5 | CF DRUM MODE SELECT GATES | | 0.7.7 | |
| 6150 | B1 | 05 | CM | 258 | D5 | CF MC EXCUR STOP-START | | 0.7.5 | |
| 6150 | B1 | 05 | BG | 3 | D5 | CF G/A TD PARITY | | 000.7.4 | |
| 6150 | B2 | 05 | AC | 1-5 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | B2 | 05 | AD | 1-9 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | B2 | 05 | AE | 1-9 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | B2 | 05 | AF | 1-9 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | B2 | 05 | AG | 1-9 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | B2 | 05 | AH | 1-9 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | B2 | 05 | AJ | 1-9 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | B2 | 05 | AK | 1-9 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | B2 | 05 | AL | 1-9 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | B2 | 05 | AM | 1-9 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | B2 | 05 | AN | 1-9 | D5 | CF PERSELBSN OUT | | 0.6.1 | |
| 6150 | C1 | 03 | MD | 12 | D5 | SS R TEST REG | | 0.1.3 | |
| 6150 | C2 | 05 | GN | 57 | B5D5 | CF INACTIVITY CNTR | | 0.7.5 | |
| 6150 | C2 | 05 | FP | 12 | G5 | SS DISCON CARD RD+PRINTER & PUNCH | | 0.7.6 | |
| 6150 | C2 | 05 | CR | 124578G5 | | SS OP PRINTERS 1 2 3 | | 0.7.6 | |
| 6150 | C2 | 05 | CT | 124578G5 | | SS OP PRINTERS 4 5 6 | | 0.7.6 | |
| 6150 | C2 | 05 | CU | 124578G5 | | SS OP PRINTERS 7 8 9 | | 0.7.6 | |
| 6150 | C2 | 05 | CW | 124578G5 | | SS OP PRINTER 10 OP PUNCH 162 | | 0.7.6 | |
| 6150 | C2 | 05 | FE | 124578G5 | | SS START CARD RD+ PRINTER & PUNCH | | 0.7.6 | |
| 6150 | C2 | 05 | CM | 124578G5 | | SS MC EXCUR STOP-START | | 0.7.5 | |
| 6150 | C2 | 05 | GC | 1 | D5 | CF MAIN WARNING LIGHT CONTROL | | 0.7.9 | |
| 6150 | C2 | 05 | GE | 1569 | D5 | CF WARNING LITE CTRL REG 1 & AUX | | 0.7.9 | |
| 6150 | C2 | 05 | GF | 14569 | D5 | CF WARNING LIGHT CONTROL REG 2 & 4 | | 0.7.9 | |
| 6150 | C2 | 05 | GG | 2468 | D5 | CF WARNING LIGHT COUNTER RESET | | 0.7.9 | |
| 6150 | D1 | 05 | DM | 1456 | D5 | CF DRUM CONTRL ACCEPT | | 0.7.7 | |
| 6150 | D1 | 05 | DR | 1456 | D5 | CF NOT READ DRUM & DRUM OPERATION | | 0.7.7 | |
| 6150 | D1 | 05 | DU | 14569 | D5 | CF I-O REG & BUF STATUS | | 0.7.7 | |
| 6150 | D1 | 05 | DV | 456 | D5 | CF WR DRUMS & WR REG STATUS | | 0.7.7 | |
| 6150 | D1 | 05 | FE | 258 | D5 | CF START CARD RD+PRINTER & PUNCH | | 0.7.6 | |
| 6150 | D1 | 05 | FH | 1 | D5 | CF COMMAND GEN 3 | | 0.7.6 | |
| 6150 | D1 | 05 | FH | 36 | D5G5 | CF CARD MACH OP & CARD RD START | | 0.7.6 | |
| 6150 | D1 | 05 | FH | 9 | G5 | CF SECOND BREAK REQUEST | | 0.7.6 | |
| 6150 | D1 | 05 | FP | 2 | D5 | CF DISCON CARD RD+PRINTER & PUNCH | | 0.7.6 | |
| 6150 | D1 | 05 | FR | 145 | D5 | CF TAPE OPERATION | | 0.7.8 | |
| 6150 | D1 | 05 | FT | 13 | D5 | CF BURST TIME CNTR & MI MATRIX | | 0.7.7 | |
| 6150 | D1 | 05 | EV | 5 | D5 | CF OPERATE 16 | | 0.7.5 | |
| 6150 | D1 | 05 | DF | 34 | B6D6 | CF DRUM WORD DEMAND & SYNC | | 0.7.7 | |
| 6150 | D1 | 05 | DL | 34 | B6D6 | CF I-O BUF SYNC & LOAD | | 0.7.7 | |
| 6150 | D1 | 05 | DL | 9 | G6 | CF INTER-LEAVE | | 0.7.7 | |
| 6150 | D1 | 05 | DW | 34 | B6D6 | CF WRITE REG STATUS SYNC BREAK REQ | | 0.7.7 | |
| 6150 | D1 | 05 | FJ | 35 | D5 | CF I-O REG SELECT | | 0.7.5 | |
| 6150 | D1 | 05 | FR | 569 | D5 | CF REL TIME CLOCK TEST | | 0.2.6 | |
| 6150 | D1 | 05 | DF | 9 | G6 | CF LOCK ADR CNTR | | 0.4.1 | |
| 6150 | D2 | 05 | DS | 1-467 | B5D5 | CF DRUM RD-WR OPERATION CNTRL | | 0.7.7 | |
| 6150 | D2 | 05 | DT | 1-4678B5D5 | | CF DRUM RD-WR OPERATION CNTRL | | 0.7.7 | |
| 6150 | D2 | 05 | FK | 2 | D5 | CF I-O REG SELECT | | 0.7.3 | |
| 6150 | D2 | 05 | FK | 2 | D5 | CF TAPE CONTROLS | | 0.7.8 | |
| 6150 | D2 | 05 | FU | 6 | B5 | CF TAPE OPERATION | | 0.7.8 | |
| 6150 | D2 | 05 | FU | 78 | B5D5 | CF BURST TIME CNTR & MI MATRIX | | 0.7.7 | |
| 6150 | D2 | 05 | CC | 258 | B5 | CF TOB & TT8 GATES | | 0.6.2 | |
| 6150 | D2 | 05 | CH | 258 | B5 | CF TOB & TT8 GATES | | 0.6.2 | |
| 6150 | D2 | 05 | DC | 258 | B5 | CF TOB & TT8 GATES | | 0.6.2 | |
| 6150 | D3 | 05 | EJ | 1456 | D5 | CF BREAK & BREAK REQUEST | | 0.2.3 | |
| 6150 | D3 | 05 | EK | 156 | D5 | CF READ WRITE | | 0.7.3 | |
| 6150 | D3 | 05 | EN | 14569 | D5 | CF I-O INTLK SENSE WORD CNTR | | 0.7.3 | |
| 6150 | D3 | 05 | ES | 78 | D5 | CF STEP I-O WORD COUNTER | | 0.7.3 | |
| 6150 | D3 | 05 | EM | 9 | G6 | CF I-O INTLK SYNC | | 0.7.3 | |
| 6150 | D3 | 05 | EM | 3 | B6 | CF RDS WRT ZERO TAPES & CARD MACH | | 0.7.3 | |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|------------|------|------------------|---------------------------------|----------|-------|
| 6150 | D3 | 05 | EM | 4 | D6 | CF | BREAK REQUEST SYNC | | 0.2x3 |
| 6150 | E1 | 13 | AC | 7 | D5 | CF | TA OSC | | 0.8x3 |
| 6150 | E1 | 13 | AD | 9 | G5 | CF | TA TPD CLOCK CTR REG & FREQ DIV | | 0.8x3 |
| 6150 | E1 | 13 | AE | 47 | D5 | CF | TA TPD CLOCK REG | | 0.8x3 |
| 6150 | E1 | 13 | AF | 47 | D5 | CF | TA TPD CLOCK REG | | 0.8x3 |
| 6150 | E1 | 13 | AG | 256 | D5 | CF | TA CLOCK TIME PULSE DISTRIBUTOR | | 0.8x3 |
| 6150 | E2 | 13 | AH | 34 | D5 | SS | TA RESET CHAR REG | | 0.8x3 |
| 6150 | E2 | 13 | AJ | 23 | D5 | SS | TA CLOCK CHAR GATE WRITE PULSE | | 0.8x3 |
| 6150 | E2 | 13 | AP | 123 | B5 | SS | TA NOT LD PT RWD STAT FILE PROT | | 0.8x2 |
| 6150 | E2 | 13 | AP | 789 | D5 | CF | TA BACKWARD CNTRL | | 0.8x2 |
| 6150 | E2 | 13 | BD | 89 | G5 | CF | TA SET WRITE STATUS | | 0.8x2 |
| 6150 | E2 | 13 | BE | 89 | D5 | CF | TA SET READ STATUS | | 0.8x2 |
| 6150 | E2 | 13 | BF | 56 | G5 | CF | TA READ WRITE CONTROL | | 0.8x2 |
| 6150 | E2 | 13 | BF | 123 | B5D5 | SS | TA READ WRITE CONTROL | | 0.8x2 |
| 6150 | E2 | 13 | BL | 123 | B5D5 | SS | TA RESET WR FF & WR E O R | | 0.8x2 |
| 6150 | E2 | 13 | BL | 4 | G5 | CF | TA RESET WR FF | | 0.8x2 |
| 6150 | E2 | 13 | BS | 1-4 | D5 | SS | TA TEST WRT WD CTR ZERO CYCLES | | 0.8x5 |
| 6150 | E2 | 13 | BT | 23 | D5 | SS | TA TEST READ & REWIND CYCLES | | 0.8x5 |
| 6150 | E2 | 13 | BT | 6 | G5 | CF | TA TEST ERROR CNTRL | | 0.8x5 |
| 6150 | E3 | 13 | AK | 37 | D5 | CF | TA DRIVE SELECT | | 0.8x1 |
| 6150 | E3 | 13 | AL | 37 | D5 | CF | TA DRIVE SELECT | | 0.8x1 |
| 6150 | E3 | 13 | BK | 89 | B5 | CF | TA GO PREPD & NOT PREPD NIFA | | 0.8x2 |
| 6150 | E3 | 13 | AM | 37 | D5 | CF | TA DRIVE SELECT | | 0.8x1 |
| 6150 | E3 | 13 | BK | 1-34-685D5 | | CF | TA GO PREPD & NOT PTRPD NIFA | | 0.8x1 |
| 6150 | E3 | 13 | BX | 28 | D5 | CF | TA DELAYED RD-WR READ E O F | | 0.8x2 |
| 6150 | E3 | 13 | BX | 8 | D5 | CF | TA DELAYED RD-WT READ E O F | | 0.8x4 |
| 6150 | E3 | 13 | DC | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DD | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DE | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DF | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DG | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DH | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DJ | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DK | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DN | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DP | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DR | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DS | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DT | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DU | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DV | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DW | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DX | 38 | D5 | CF | TA WORD REG | | 0.8x4 |
| 6150 | E3 | 13 | DL | 34 | D5 | CF | TA WRITE E O F STATUS | | 0.8x4 |
| 6150 | E3 | 13 | CJ | 235 | D5 | CF | TA WORD RING | | 0.8x4 |
| 6150 | E3 | 13 | CK | 235 | D5 | CF | TA WORD RING | | 0.8x4 |
| 6150 | E3 | 13 | CL | 235 | D5 | CF | TA WORD RING | | 0.8x4 |
| 6150 | E3 | 13 | CM | 235 | D5 | CF | TA WORD RING | | 0.8x4 |
| 6150 | E3 | 13 | CN | 235 | D5 | CF | TA WORD RING | | 0.8x4 |
| 6150 | E3 | 13 | CP | 235 | D5 | CF | TA WORD RING | | 0.8x4 |
| 6150 | E4 | 13 | AJ | 789 | G5 | LA | TA SEL READY READ WRITE | | 0.8x2 |
| 6150 | E4 | 13 | AN | 12 | B5 | SS | TA BACK SPACE STOP 1 | | 0.8x2 |
| 6150 | E4 | 13 | AR | 7 | D5 | CF | TA B O R & E O R | | 0.8x2 |
| 6150 | E4 | 13 | AR | 123 | B5 | SS | TA START READ BACK SPACE | | 0.8x2 |
| 6150 | E4 | 13 | BC | 123 | B5D5 | SS | TA SELECT READ DELAY | | 0.8x2 |
| 6150 | E4 | 13 | BC | 8 | G5 | CF | TA SELECT READ DELAY | | 0.8x2 |
| 6150 | E4 | 13 | BD | 124 | B5D5 | SS | TA READ WRITE START DELAY | | 0.8x2 |
| 6150 | E4 | 13 | BH | 4 | D5 | CF | TA DISCONNECT & SENSE | | 0.8x2 |
| 6150 | E4 | 13 | BH | 468 | D5 | CF | TA DISCONNECT & SENSE | | 0.8x1 |
| 6150 | E4 | 13 | BM | 8 | G5 | CF | TA WORD CNTR ZERO | | 0.8x2 |
| 6150 | E4 | 13 | BR | 123 | B5 | SS | TA BACK SPACE STOP 2 & WR DELAY | | 0.8x2 |
| 6150 | E4 | 13 | CS | 78 | G5 | CF | TA CHARACTER REG | | 0.8x4 |
| 6150 | E4 | 13 | CT | 78 | G5 | CF | TA CHARACTER REG | | 0.8x4 |
| 6150 | E4 | 13 | CU | 78 | G5 | CF | TA CHAR REG | | 0.8x4 |
| 6150 | E4 | 13 | CV | 78 | G5 | CF | TA CHARACTER REG | | 0.8x2 |
| 6150 | E4 | 13 | CW | 78 | G5 | CF | TA CHARACTER REG | | 0.8x4 |
| 6150 | E4 | 13 | CX | 78 | G5 | CF | TA CHARACTER REG | | 0.8x4 |
| 6150 | E4 | 13 | CY | 78 | G5 | CF | TA CHARACTER REG | | 0.8x4 |
| 6150 | E5 | 13 | 86 | 13 | D5 | I | TA END BACKSPACE BKWD CTRL | | 0.8x2 |
| 6150 | E5 | 13 | BM | 123 | D5 | MPD | TA SYNC PULSE MPD | | 0.8x2 |

MC-4

| V C-L FR PU TUBES PINS | | | | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------------------------|----|----|---------|------------------|-------------------------------------|----------|-------|
| 6150 | F1 | 13 | BX 34 | 85 | EPG TA E O F GATED SYNC PULSE | | 0.8+2 |
| 6150 | F1 | 13 | BR 4589 | 86 | EPG TA BACK SPACE STOP 2 & WR DELAY | | 0.8+2 |
| 6150 | F1 | 13 | BE 12 | 85 | EPG TA READ WRITE CNTRL | | 0.8+2 |
| 6150 | F1 | 13 | BC 67 | 66 | EPG TA DELAYED READ WRITE | | 0.8+2 |
| 6150 | F1 | 13 | BD 67 | 66 | EPG TA READ WRITE START DELAY | | 0.8+2 |
| 6150 | F1 | 13 | AR 45 | 66 | EPG TA START READ | | 0.8+2 |
| | | | | | | | |
| 6150 | F2 | 13 | AN 3489 | D5 | EPG TA END BACK SPACE & STOP 1 | | 0.8+2 |
| 6150 | F2 | 13 | AP 45 | D6 | EPG TA END BACKSPACE BKWD CTRL | | 0.8+2 |
| 6150 | F2 | 13 | BL 67 | G6 | EPG TA RESET WR FF & WR E O R | | 0.8+2 |
| 6150 | F2 | 13 | BM 45 | 86 | EPG TA E O R SYNC | | 0.8+2 |
| | | | | | | | |
| 690 | A1 | 06 | DC 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | ED 1 | B5 | GT ADR REG TO WORD COUNTER | | 0.4+1 |
| 690 | A1 | 06 | DF 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DG 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DH 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DJ 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DK 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DL 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DM 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DN 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DP 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DR 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DS 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DT 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DU 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DV 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DW 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DX 7 | G7 | GT ADR REG TO ADR CNTR | | 0.4+1 |
| 690 | A1 | 06 | DF 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DG 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DH 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DJ 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DK 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DL 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DM 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DN 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DP 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DR 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DS 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DT 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DU 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DV 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DW 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | DX 1 | B5 | GT ADR REG TO WD CNTR | | 0.4+1 |
| 690 | A1 | 06 | EF 1 | B5 | GT ADR REG TO DRUM CNTRL REG | | 0.4+1 |
| 690 | A1 | 06 | EG 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EH 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EJ 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EK 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EL 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EM 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EN 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EP 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | ER 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | ES 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | ET 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EU 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EV 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EW 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | EX 1 | B5 | GT ADR REG TO DRUM CONTROL REG | | 0.4+1 |
| 690 | A1 | 06 | FD 4 | D6 | GT WD CTR TO L ACC | | 0.7+3 |
| 690 | A1 | 06 | FF 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FG 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FH 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FJ 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FK 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FL 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FM 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FN 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FP 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FR 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FS 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FT 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FU 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FV 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |
| 690 | A1 | 06 | FW 4 | D6 | GT WD CTR TO R ACC | | 0.7+3 |

| V C-L FR PU TUBES PINS | | | | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------------------------|-----------|------|----|----------------------------------|------|----------|---------|
| 690 A1 | 06 FX 4 | D6 | GT | WD CTR TO R ACC | | | 0.7+3 |
| 690 A1 | 06 GC 589 | G57 | GT | DRUM CNTRL INTERLEAVE | | | 0.7+2 |
| | | | | | | | |
| 690 A2 | 06 KE 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KF 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KG 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KH 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KJ 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KK 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KL 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KM 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KN 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KP 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KR 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KS 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KT 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KU 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KV 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KW 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 KX 6 | G6 | GT | L 1-0 BUF TO L 1 0 REG | | | 0.7+1 |
| 690 A2 | 06 JF 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JG 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JH 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JJ 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JK 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JL 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JM 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JN 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JP 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JR 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JS 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JT 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JU 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JV 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JW 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 JX 7 | G6 | GT | R 1-0 BUF TO R 1 0 REG | | | 0.7+2 |
| 690 A2 | 06 GD 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GF 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GG 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GH 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GI 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GK 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GL 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GM 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GN 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GP 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GQ 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GS 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GT 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GU 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GV 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GW 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| 690 A2 | 06 GX 8 | G5 | GT | ADR CNTR TO MEM ADR REG | | | 000+4+1 |
| | | | | | | | |
| 690 A3 | 02 KE 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KF 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KG 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KH 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KJ 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KK 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KL 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KM 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KN 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KP 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KR 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KS 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KT 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KU 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KV 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KW 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 KX 789 | G567 | GT | L 1-0 REG TO DR AXD & TA WR REGS | | | 0.7+1 |
| 690 A3 | 02 LF 3 | B6 | GT | L 1-0 REG TO WARN LIGHTS | | | 0.7+1 |
| 690 A3 | 02 LG 3 | B6 | GT | L 1-0 REG TO WARN LIGHTS | | | 0.7+1 |
| 690 A3 | 02 LH 3 | B6 | GT | L 1-0 REG TO WARN LIGHTS | | | 0.7+1 |
| 690 A3 | 02 LJ 3 | B6 | GT | L 1-0 REG TO WARN LIGHTS | | | 0.7+1 |
| 690 A3 | 02 LK 3 | B6 | GT | L 1-0 REG TO WARN LIGHTS | | | 0.7+1 |
| 690 A3 | 02 LL 3 | B6 | GT | L 1-0 REG TO WARN LIGHTS | | | 0.7+1 |
| 690 A3 | 02 LM 3 | B6 | GT | L 1-0 REG TO WARN LIGHTS | | | 0.7+1 |

MC-4

| V C-L FR PU TUBES PINS | | | | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------------------------|-------|-----|------|-------------------------------------|------|----------|-------|
| 690 A3 | 02 LM | 3 | 86 | GT L I-O REG TO WARN LIGHTS | | | 0.7.1 |
| 690 A3 | 02 LP | 3 | 86 | GT L I-O REG TO WARN LIGHTS | | | 0.7.1 |
| 690 A3 | 02 LR | 3 | 86 | GT L I-O REG TO WARN LIGHTS | | | 0.7.1 |
| 690 A3 | 02 LS | 3 | 86 | GT L I-O REG TO WARN LIGHTS | | | 0.7.1 |
| 690 A3 | 02 LT | 3 | 86 | GT L I-O REG TO WARN LIGHTS | | | 0.7.1 |
| 690 A3 | 02 LU | 3 | 86 | GT L I-O REG TO WARN LIGHTS | | | 0.7.1 |
| 690 A3 | 02 LV | 3 | 86 | GT L I-O REG TO WARN LIGHTS | | | 0.7.1 |
| 690 A3 | 02 LW | 3 | 86 | GT L I-O REG TO WARN LIGHTS | | | 0.7.1 |
| 690 A3 | 02 LX | 3 | 86 | GT L I-O REG TO WARN LIGHTS | | | 0.7.1 |
| 690 A3 | 03 KF | 789 | G567 | CF R I-O REG TO DM AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KG | 789 | G567 | CF R I-O REG TO DM AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KH | 789 | G567 | CF R I-O REG TO DM AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KJ | 789 | G567 | CF R I-O REG TO DM AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KK | 789 | G567 | CF R I-O REG TO DM AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KL | 789 | G567 | CF R I-O REG TO DM AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KM | 789 | G567 | CF R I-O REG TO DM AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KN | 789 | G567 | GT R I-O REG TO DM+AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KP | 789 | G567 | GT R I-O REG TO DM+AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KR | 789 | G567 | GT R I-O REG TO DM+AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KS | 789 | G567 | GT R I-O REG TO DM+AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KT | 789 | G567 | GT R I-O REG TO DM+AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KU | 789 | G567 | GT R I-O REG TO DM+AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KV | 789 | G567 | GT R I-O REG TO DM+AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KW | 789 | G567 | GT R I-O REG TO DM+AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 KX | 789 | G567 | GT R I-O REG TO DM+AXD & TA WR REGS | | | 0.7.2 |
| 690 A3 | 03 LF | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LG | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LH | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LJ | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LK | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LL | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LM | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LN | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LP | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LR | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LS | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LT | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LU | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LV | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LW | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| 690 A3 | 03 LX | 3 | 86 | GT R I-O REG TO WARN LIGHTS | | | 0.7.2 |
| | | | | | | | |
| 690 A4 | 02 KE | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KF | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KG | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KH | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KJ | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KK | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KL | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KM | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KN | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KP | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KR | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KS | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KT | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KU | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KV | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KW | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 02 KX | 6 | D6 | GT L I-O REG TO L MEM BUF | | | 0.7.1 |
| 690 A4 | 03 KF | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KG | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KH | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KJ | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KK | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KL | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KM | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KN | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KP | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KR | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KS | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KT | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KU | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KV | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KW | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 03 KX | 6 | D6 | GT R I-O REG TO R MEM BUF | | | 0.7.2 |
| 690 A4 | 02 DY | 3 | D6 | GT COMPARE | | | 0.6.2 |
| 690 A4 | 03 DY | 3 | D6 | GT COMPARE | | | 0.6.2 |
| | | | | | | | |
| 690 A5 | 05 AS | 789 | G67 | GT IX IV TO INTERLV | | | 0.7.2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|------------|------|----------------------------------|------|----------|---------|
| 690 | A5 | 05 | AR | 1-6 | B56D56G56 | GT | IX IV TO AUX DRUM SELECT REG | | | 0.7.7 |
| 690 | A5 | 05 | AS | 1-6 | B56D56G56 | GT | IX IV TO ADR REG | | | 0.4.1 |
| 690 | A5 | 05 | BX | 1 | B5 | PA | IX IV TO ADR REG | | | 0.4.1 |
| 690 | A5 | 05 | AT | 7 | D6 | GT | IX INT TO DRUM SEL REG | | | 0.6.1 |
| 690 | A5 | 05 | AU | 7 | D6 | GT | IX INT TO DRUM SEL REG | | | 0.6.1 |
| 690 | A5 | 05 | AV | 7 | D6 | GT | IX INT TO DRUM SEL REG | | | 0.6.1 |
| 690 | A5 | 05 | AW | 7 | D6 | GT | IX INT TO DRUM SEL REG | | | 0.6.1 |
| 690 | A5 | 05 | AX | 7 | D6 | GT | IX INT TO DRUM SEL REG | | | 0.6.1 |
| 690 | A5 | 05 | AY | 7 | D6 | GT | IX INT TO DRUM SEL REG | | | 0.6.1 |
| 690 | A6 | 05 | CN | 3 | D5 | GT | SEL PROG PAT GEN XTAL | | | 0.7.5 |
| 690 | A6 | 05 | CN | 2 | B6 | GT | SEL PROG PAT GEN LRI | | | 0.7.5 |
| 690 | A6 | 05 | GM | 24 | B6D6 | GT | INACTIVITY CNTR | | | 0.7.5 |
| 690 | A6 | 05 | GN | 46 | J6G6 | GT | 32 PPS INACTIVITY | | | 0.7.5 |
| 690 | A6 | 05 | BD | 156 | B6D6G6 | GT | INACTIVITY | | | 0.7.4 |
| 690 | A6 | 05 | BH | 6 | G6 | GT | TTY PARITY | | | 0.7.4 |
| 690 | A6 | 05 | BK | 6 | G6 | GT | G-G PARITY | | | 0.7.4 |
| 690 | A6 | 05 | BW | 7 | G6 | GT | INACTIVITY ALARM & SW ACTIVE | | | 0.7.5 |
| 690 | A6 | 05 | BC | 156 | B6D6G6 | GT | OT-9 SENSE CONDITION LITES 1 2 3 | | | 0.7.4 |
| 690 | A6 | 05 | BE | 156 | B6D6G6 | GT | SENSE L & R O FLOW OUTPUT ALARM | | | 0.7.4 |
| 690 | A6 | 05 | BF | 156 | B6D6G6 | GT | SENSE MEM DRUM TAPE PARITY | | | 0.7.4 |
| 690 | A6 | 05 | BH | 15 | B6D6 | GT | SENSE ALARM 162 | | | 0.7.4 |
| 690 | A6 | 05 | BK | 15 | B6D6 | GT | SENSE INTERCOMM & COND LIGHT | | | 0.7.4 |
| 690 | A6 | 05 | BL | 156 | B6D6G6 | GT | SENSE INTERCOMM 1 2 3 | | | 0.7.4 |
| 690 | A6 | 05 | BM | 156 | B6D6G6 | GT | SENSE INPUT DATA | | | 0.7.4 |
| 690 | A6 | 05 | BN | 156 | B6D6G6 | GT | SENSE OUT OB PAR ILL ADR | | | 0.7.4 |
| 690 | A6 | 05 | BV | 15 | B5G5 | GT | TP-7 BR ON BSN OT-9 BSN COND MET | | | 0.7.4 |
| 690 | A6 | 05 | BV | 6-9 | G67 | GT | BREAK PARITY CHECK CONTROL | | | 0.1.1 |
| 690 | A6 | 05 | BW | 3456 | D56G56 | GT | PARITY DUPLEX SW PWR FAIL ALARMS | | 0.2.7 | 0.7.4 |
| 690 | A6 | 05 | CE | 5 | G5 | GT | DRUM MODE SELECT GATES | | | 0.7.6 |
| 690 | A6 | 05 | CE | 4 | D6 | GT | DRUM MODE SELECT GATES | | | 0.7.6 |
| 690 | A6 | 05 | CE | 126-9 | B56G67 | GT | DRUM MODE SELECT GATES | | | 0.7.7 |
| 690 | A6 | 05 | CF | 123 | B56D5 | GT | SELECT MATRIX GATE | | | 0.7.4 |
| 690 | A6 | 05 | CF | 4 | D6 | GT | SELECT MATRIX GATE | | | 0.7.5 |
| 690 | A6 | 05 | CF | 6 | G6 | GT | SELECT MATRIX GATE | | | 0.7.7 |
| 690 | A6 | 05 | CF | 8 | G7 | GT | SELECT WARNING LIGHT | | | 0.7.9 |
| 690 | A6 | 05 | CF | 9 | G7 | GT | SELECT MATRIX GATE | | | 0.7.8 |
| 690 | A6 | 05 | CG | 8 | G7 | GT | SELECT MATRIX GATE | | | 0.7.7 |
| 690 | A6 | 05 | CG | 1-5 | B56D56G5 | GT | SELECT MATRIX GATE | | | 0.7.8 |
| 690 | A6 | 05 | CK | 89 | G67 | GT | OPER INTERCOM 1 & 2 | | | 0.7.5 |
| 690 | A6 | 05 | CK | 1-4 | B56D56 | GT | OT-9 OP CON LITES INTERCOM 1,2 | | | 0.7.4 |
| 690 | A6 | 05 | CL | 1-9 | B56D56G567 | GT | INTERCOM 364 MC EXCUR ON-OFF | | | 0.7.5 |
| 690 | A6 | 05 | CN | 157-9 | B5G567 | GT | STOP MC SMPLEX EXCUR OP CAMERAS | | | 0.7.5 |
| 690 | A6 | 05 | CP | 1-3 | B56D5 | GT | INITIATE DIG DISPLAY | | | 0.7.5 |
| 690 | A6 | 05 | CS | 5-9 | G567 | GT | OPERATE PRINTERS 1,2,3,4,5 | | | 0.7.5 |
| 690 | A6 | 05 | CV | 6-9 | G67 | GT | OPER PATTERN GEN | | | 0.7.5 |
| 690 | A6 | 05 | CV | 1-5 | B56D56G5 | GT | OPERATE PRINTERS 6,7,8,9,10 | | | 0.7.6 |
| 690 | A6 | 05 | CX | 7 | G6 | GT | OP TAPE PUNCH 1,2 SCAN ADR CTRS | | | 0.4.1 |
| 690 | A6 | 05 | CX | 56 | G56 | GT | OP TAPE PUNCH 1,2 SCAN ADR CTRS | | | 0.7.6 |
| 690 | A6 | 05 | CX | 89 | G7 | GT | OP TAPE PUNCH 1,2 SCAN ADR CTRS | | | 0.7.7 |
| 690 | A6 | 05 | CX | 1-4 | B56D56 | GT | OP TAPE PUNCH 1,2 SCAN ADR CTRS | | | 0.7.8 |
| 690 | A6 | 05 | GD | 13-9 | B5D56G567 | GT | WARNING LIGHT CONTROL | | | 0.7.9 |
| 690 | A6 | 05 | GH | 13-9 | B5D56G567 | GT | WARNING LIGHT COUNTER RESET | | | 0.7.9 |
| 690 | A6 | 05 | BW | 9 | G7 | GT | SENSE COND MET | | | 0.7.4 |
| 690 | A6 | 05 | BW | 1 | B5 | GT | CLR L I-O REG | | | 0.7.1 |
| 690 | A6 | 05 | BW | 2 | B6 | GT | CLR R I-O REG | | | 0.7.2 |
| 690 | A6 | 05 | DY | 3 | D5 | GT | TEST REL TIME CLOCK | | | 0.2.6 |
| 690 | A6 | 05 | GK | 2 | B5 | GT | CLEAR REL TIME CLOCK | | | 0.2.6 |
| 690 | A6 | 05 | BG | 156 | B6D6G6 | GT | G/A TD PARITY | | | 000.7.5 |
| 690 | B1 | 06 | FF | 6 | G6 | GT | WD CTR CARRY EVEN BIT | | | 0.7.3 |
| 690 | B1 | 06 | FH | 6 | G6 | GT | WD CTR CARRY EVEN BIT | | | 0.7.3 |
| 690 | B1 | 06 | FK | 6 | G6 | GT | WD CTR CARRY EVEN BIT | | | 0.7.3 |
| 690 | B1 | 06 | FM | 6 | G6 | GT | WD CTR CARRY EVEN BIT | | | 0.7.3 |
| 690 | B1 | 06 | FP | 6 | G6 | GT | WD CTR CARRY EVEN BIT | | | 0.7.3 |
| 690 | B1 | 06 | FS | 6 | G6 | GT | WD CTR CARRY EVEN BIT | | | 0.7.3 |
| 690 | B1 | 06 | FU | 6 | G6 | GT | WD CTR CARRY EVEN BIT | | | 0.7.3 |
| 690 | B1 | 06 | FW | 6 | G6 | GT | WD CTR CARRY EVEN BIT | | | 0.7.3 |
| 690 | B1 | 06 | FX | 6 | G6 | GT | WD CTR CARRY EVEN BIT | | | 0.7.3 |
| 690 | B2 | 06 | FF | 3 | B6 | GT | I-O ADR CTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | B2 | 06 | FH | 3 | B6 | GT | I-O ADR CTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | B2 | 06 | FK | 3 | B6 | GT | I-O ADR CTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | B2 | 06 | FM | 3 | B6 | GT | I-O ADR CTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | B2 | 06 | FP | 3 | B6 | GT | I-O ADR CTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | B2 | 06 | FS | 3 | B6 | GT | I-O ADR CTR CARRY EVEN BIT | | | 0.4.1 |
| 690 | B2 | 06 | FU | 3 | B6 | GT | I-O ADR CTR CARRY EVEN BIT | | | 0.4.1 |

MC-4

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|--------|-----|----|------|----------|------|---------|------------------------------|------|----------|-------|
| 690 B2 | 06 | FW | 3 | B6 | GT | I-O | ADR CTR CARRY EVEN BIT | | | 0.4.1 |
| 690 B3 | 06 | HM | 5 | D6 | GT | DRUM | CONTROL REG CARRY EVEN BIT | | | 0.7.2 |
| 690 B3 | 06 | HP | 5 | D6 | GT | DRUM | CONTROL REG CARRY EVEN BIT | | | 0.7.2 |
| 690 B3 | 06 | HS | 5 | D6 | GT | DRUM | CONTROL REG CARRY EVEN BIT | | | 0.7.2 |
| 690 B3 | 06 | HU | 5 | D6 | GT | DRUM | CONTROL REG CARRY EVEN BIT | | | 0.7.2 |
| 690 B3 | 06 | HW | 5 | D6 | GT | DRUM | CONTROL REG CARRY EVEN BIT | | | 0.7.2 |
| 690 B4 | 06 | FD | 6 | G6 | GT | WORD | COUNTER CARRY ODD BIT | | | 0.7.3 |
| 690 B4 | 06 | FG | 6 | G6 | GT | WD | CTR CARRY ODD BIT | | | 0.7.3 |
| 690 B4 | 06 | FJ | 6 | G6 | GT | WD | CTR CARRY ODD BIT | | | 0.7.3 |
| 690 B4 | 06 | FL | 6 | G6 | GT | WD | CTR CARRY ODD BIT | | | 0.7.3 |
| 690 B4 | 06 | FN | 6 | G6 | GT | WD | CTR CARRY ODD BIT | | | 0.7.3 |
| 690 B4 | 06 | FR | 6 | G6 | GT | WD | CTR CARRY ODD BIT | | | 0.7.3 |
| 690 B4 | 06 | FT | 6 | G6 | GT | WD | CTR CARRY ODD BIT | | | 0.7.3 |
| 690 B4 | 06 | FV | 6 | G6 | GT | WD | CTR CARRY ODD BIT | | | 0.7.3 |
| 690 B4 | 06 | FX | 6 | G6 | GT | WD | CTR CARRY ODD BIT | | | 0.7.3 |
| 690 B5 | 06 | FD | 3 | B6 | GT | I-O | ADR CTR CARRY ODD BIT | | | 0.4.1 |
| 690 B5 | 06 | FG | 3 | B6 | GT | I-O | ADR CTR CARRY ODD BIT | | | 0.4.1 |
| 690 B5 | 06 | FJ | 3 | B6 | GT | I-O | ADR CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 B5 | 06 | FL | 3 | B6 | GT | I-O | ADR CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 B5 | 06 | FN | 3 | B6 | GT | I-O | ADR CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 B5 | 06 | FR | 3 | B6 | GT | I-O | ADR CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 B5 | 06 | FT | 3 | B6 | GT | I-O | ADR CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 B5 | 06 | FV | 3 | B6 | GT | I-O | ADR CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 B5 | 06 | FX | 3 | B6 | GT | I-O | ADR CNTR CARRY ODD BIT | | | 0.4.1 |
| 690 B6 | 06 | HL | 5 | D6 | GT | DRUM | CONTROL REG CARRY ODD BIT | | | 0.7.2 |
| 690 B6 | 06 | HN | 5 | D6 | GT | DRUM | CONTROL REG CARRY ODD BIT | | | 0.7.2 |
| 690 B6 | 06 | HR | 5 | D6 | GT | DRUM | CONTROL REG CARRY ODD BIT | | | 0.7.2 |
| 690 B6 | 06 | HT | 5 | D6 | GT | DRUM | CONTROL REG CARRY ODD BIT | | | 0.7.2 |
| 690 B6 | 06 | HV | 5 | D6 | GT | DRUM | CONTROL REG CARRY ODD BIT | | | 0.7.2 |
| 690 B6 | 06 | HX | 5 | D6 | GT | DRUM | CONTROL REG CARRY ODD BIT | | | 0.7.2 |
| 690 C1 | 05 | FF | 1 | B5 | GT | SET | CARD MACH CNTRL FF | | | 0.7.6 |
| 690 C1 | 05 | FC | 135 | B6D6G6 | GT | COMM | GEN 1 & 2 INDEX DELAY | | | 0.7.6 |
| 690 C1 | 05 | FF | 89 | G7 | GT | CLEAR | I-O BUF & DISCON CARD MACH | | | 0.7.6 |
| 690 C1 | 05 | FV | 3 | D5 | GT | SET | I-O BUF LOAD SYNC | | | 0.7.7 |
| 690 C1 | 05 | FL | 2347 | B6D56G6 | GT | TAPE | CONTROLS | | | 0.7.8 |
| 690 C1 | 05 | FL | 1 | B5 | GT | TAPE | CONTROLS | | | 0.7.1 |
| 690 C1 | 05 | FL | 6 | G6 | GT | TAPE | OPERATION | | | 0.7.5 |
| 690 C1 | 05 | FV | 14 | B5D6 | GT | TAPE | OPERATION | | | 0.7.8 |
| 690 C1 | 05 | FJ | 6 | B5 | GT | CLR | R I-O REG | | | 0.7.2 |
| 690 C1 | 05 | FJ | 4 | B6 | GT | CLR | L I-O REG | | | 0.7.1 |
| 690 C1 | 05 | DY | 4-7 | G7 | GT | REL | TIME CLOCK TEST | | | 0.2.6 |
| 690 C1 | 05 | FJ | 9 | G7 | GT | DRUM | PARITY ALARM | | | 0.7.5 |
| 690 C1 | 05 | FL | 6 | G6 | GT | TAPE | PARITY ALARM | | | 0.7.5 |
| 690 C2 | 05 | FD | 13 | B6D6 | GT | PRINTER | & PUNCH OPERATE | | | 0.7.6 |
| 690 C2 | 05 | DE | 135 | B6D6G6 | GT | DR | ADR ID BITS 14,15-11,15-5,10 | | | 0.7.7 |
| 690 C2 | 05 | DE | 7 | G7 | GT | COMPARE | DRUM ADR MODE | | | 0.7.7 |
| 690 C2 | 05 | DD | 57 | G67 | GT | DRUM | ADR IDENT BITS 7-15 & 12-15 | | | 0.7.7 |
| 690 C2 | 05 | DN | 3 | D5 | GT | OP | WR CONTROLS | | | 0.7.5 |
| 690 C2 | 05 | DP | 1-5 | B56D56G5 | GT | I-O | BUF STATUS & START RD DRUMS | | | 0.7.7 |
| 690 C2 | 05 | DP | 6-9 | G67 | GT | L & R | I-O REG TO DRUM WR REG | | | 0.7.7 |
| 690 C2 | 05 | DY | 4-7 | D6G56 | GT | DRUM | NO COMPARE & SEL DRUMS | | | 0.7.7 |
| 690 C2 | 05 | DN | 7 | G7 | GT | CPC | CONTROL | | | 0.7.7 |
| 690 C2 | 05 | DN | 126 | B56G56 | GT | DRUM | OP & WR CONTROLS | | | 0.7.7 |
| 690 C2 | 05 | DY | 89 | G7 | GT | DRUM | WORD DEMAND & SYNC | | | 0.7.7 |
| 690 C2 | 05 | DY | 12 | B56 | GT | WRITE | REG STATUS SYN BREAK REQ | | | 0.7.7 |
| 690 C2 | 05 | FN | 3 | D5 | GT | I-O | INTLK SYNC | | | 0.7.3 |
| 690 C2 | 05 | FN | 56 | G56 | GT | I-O | BUF SYNC & LOAD | | | 0.7.7 |
| 690 C2 | 05 | FN | 4 | D6 | GT | INTER | LEAVE | | | 0.7.7 |
| 690 C4 | 13 | AC | 469 | D6G67 | SH | TA | OSC | | | 0.8.3 |
| 690 C4 | 13 | AE | 8 | G6 | GT | TA | TPD CLOCK REG CARRY | | | 0.8.3 |
| 690 C4 | 13 | AF | 3 | D6 | GT | TA | TPD CLOCK REG CARRY | | | 0.8.3 |
| 690 C4 | 13 | AD | 8 | G6 | GT | TA | TPD CLOCK REG CARRY | | | 0.8.3 |
| 690 C5 | 13 | BG | 4 | D6 | GT | TA | GATED DISCONNECT | | | 0.8.2 |
| 690 C5 | 13 | BX | 9 | G7 | GT | TA | READ E O F | | | 0.8.4 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|-----|-----|----|----|-----------------|----------|------|---------------------------------|------|----------|-------|
| 690 | C5 | 13 | BX | 6 | G6 | GT | TA GATED SYNC PULSE | | | 0.8+2 |
| 690 | C5 | 13 | BH | 2 | B6 | GT | TA RESET CLOCK | | | 0.8+2 |
| 690 | C5 | 13 | BH | 57 | D6G6 | GT | TA READY PREPD | | | 0.8+1 |
| 690 | C5 | 13 | AM | 8 | G6 | GT | TA CLOCK CKT | | | 0.8+3 |
| 690 | C5 | 13 | AS | 6 | G6 | PA | TA DELAYED CLOCK RESET | | | 0.8+3 |
| 690 | C5 | 13 | CH | 1 | B6 | PA | TA BREAK REQ & DELAYED SENSE | | | 0.8+3 |
| 690 | C5 | 13 | CJ | 1 | D6 | GT | TA STEP WORD RING | | | 0.8+4 |
| 690 | C5 | 13 | CK | 1 | D6 | GT | TA STEP WORD RING | | | 0.8+4 |
| 690 | C5 | 13 | CL | 1 | D6 | GT | TA STEP WORD RING | | | 0.8+4 |
| 690 | C5 | 13 | CM | 1 | D6 | GT | TA STEP WORD RING | | | 0.8+4 |
| 690 | C5 | 13 | CN | 1 | D6 | GT | TA STEP WORD RING | | | 0.8+4 |
| 690 | C5 | 13 | CP | 1 | D6 | GT | TA STEP WORD RING | | | 0.8+4 |
| 690 | C5 | 13 | BS | 59 | D6G7 | GT | TA TEST ERROR STOP & E O R WR | | | 0.8+5 |
| 690 | C5 | 13 | BT | 157 | B6D6G6 | GT | TA TEST CNTRL ! | | | 0.8+5 |
| 690 | C5 | 13 | AK | 15 | B6D6 | GT | TA DRIVE SELECT | | | 0.8+1 |
| 690 | C5 | 13 | AL | 15 | B6D6 | GT | TA DRIVE SELECT | | | 0.8+1 |
| 690 | C5 | 13 | AM | 15 | B6D6 | GT | TA DRIVE SELECT | | | 0.8+1 |
| 690 | C5 | 13 | AK | 8 | G6 | BPA | TA DRIVE DESELECT | | | 0.8+1 |
| 690 | C5 | 13 | AM | 8 | B5 | GT | RESET CHARACTER REG | | | 0.8+3 |
| 690 | C6 | 13 | BE | 56 | G56 | GT | TA READ WR1TE CNTRL | | | 0.8+2 |
| 690 | C6 | 13 | BL | 9 | G7 | GT | GATED REWIND | | | 0.8+2 |
| 690 | C6 | 13 | BD | 5 | D6 | GT | TA READ WRITE START DELAY | | | 0.8+2 |
| 690 | C6 | 13 | AR | 89 | G67 | GT | TA B O R STOP & E O R | | | 0.8+2 |
| 690 | C6 | 13 | AN | 56 | D6G6 | GT | TA BACK SPACE CNTRL | | | 0.8+2 |
| 690 | C6 | 13 | BM | 69 | D6G6 | GT | TA E O R CNTRL | | | 0.8+2 |
| 690 | C6 | 13 | BJ | 19 | B6G6 | GT | TA REWIND CNTRL | | | 0.8+2 |
| 690 | C6 | 13 | AG | 7 | G5 | GT | TA CLOCK TIME PULSE DISTRIBUTOR | | | 0.8+3 |
| 690 | C6 | 13 | BF | 49 | B6G7 | GT | TA START RD-WT | | | 0.8+2 |
| 690 | C6 | 13 | DL | 6 | G5 | GT | TA BREAK REQ WRITE E O F | | | 0.8+3 |
| 690 | C6 | 13 | DM | 25 | B6D6 | GT | TA WORD REG READ OUT CNTRL | | | 0.8+3 |
| 690 | C6 | 13 | DC | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DD | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DE | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DF | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DG | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DH | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DJ | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DK | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DN | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DP | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DR | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DS | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DT | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DU | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DV | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DW | 1469 | B6D6G6G7 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | C6 | 13 | DX | 14 | B6D6 | GT | TA WORD REG CNTRL & READ OUT | | | 0.8+4 |
| 690 | D1 | 05 | EC | 1-4679B56D56G67 | GT | GT | BREAK IN 2+4+6+7+9 BREAK OUT 0 | | | 0.2+3 |
| 690 | D1 | 05 | ED | 5 | B5G5 | GT | BREAK IN-11 TPG | | | 0.2+3 |
| 690 | D1 | 05 | CC | 34679 | D56G567 | GT | TOB & TTB GATES | | | 0.6+2 |
| 690 | D1 | 05 | CE | 3 | D5 | GT | TOB & TTB GATES | | | 0.6+2 |
| 690 | D1 | 05 | CH | 34679 | D56G567 | GT | TOB & TTB GATES | | | 0.6+2 |
| 690 | D1 | 05 | DC | 34679 | D56G567 | GT | TOB & TTB GATES | | | 0.6+2 |
| 690 | D1 | 05 | EE | 2 | B6 | GT | BREAK IN 1 TPG | | | 0.2+3 |
| 690 | D2 | 05 | ED | 3479 | D56G67 | GT | BREAK OUT 0 2 5 7 TPG | | | 0.2+3 |
| 690 | D2 | 05 | EE | 47 | D6G6 | GT | BREAK OUT 8 & 11 | | | 0.2+3 |
| 690 | D2 | 05 | EE | 89 | G7 | GT | STEP PGM CNTR | | | 0.6+2 |
| 690 | D3 | 05 | FN | 1 | B5 | GT | BREAK REQUEST SYNC | | | 0.2+3 |
| 690 | D3 | 05 | ER | 38 | G7 | GT | BREAK & BREAK REQUEST SYNC | | | 0.2+3 |
| 690 | D3 | 05 | EP | 89 | D6 | GT | CLEAR I-O INTLK | | | 0.7+3 |
| 690 | D3 | 05 | ER | 6 | G6 | GT | SENSE WORD COUNTER | | | 0.7+3 |
| 690 | D3 | 05 | ER | 7 | G6 | GT | PT-10 LOAD FROM AM-1 | | | 0.7+7 |
| 690 | F1 | 05 | EL | 4-7 | G56 | PA | 2 MC OSC PT 166 RD-WR | | | 0.7+3 |
| 690 | F1 | 05 | EL | 89 | G7 | PA | 2 MC OSC PT 166 RD-WR | | | 0.2+2 |
| 690 | F1 | 05 | DG | 6 | D6 | DD | COMPARE BY ADR MODE | | | 0.7+3 |
| 690 | F1 | 05 | DG | 8 | G6 | PA | COMPARE BY ADR MODE | | | 0.7+7 |
| 690 | F1 | 05 | EL | 3 | D5 | PA | STEP I-O WORD COUNTER | | | 0.7+3 |
| 690 | F1 | 05 | EX | 8 | G7 | PA | CLEAR I-O INTLK | | | 0.7+3 |
| 690 | F1 | 05 | EX | 4 | D6 | PA | SET I-O WORD CNTR 23 | | | 0.7+3 |
| 690 | F1 | 05 | EY | 9 | G7 | PA | CLEAR ALARM INDICATOR FFS | | | 0.7+5 |

MC-4

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|----------|-------------------------------------|------|----------|-------|
| 690 | F1 | 05 | DG | 24 | B505 | PA MD AXD COMPARE CD-1 & CD-1 DLYD | | 0.7.7 | |
| 690 | F1 | 05 | DK | 23 | B56 | DD DRUM WD DEMAND DIRECT DLYD | | 0.7.7 | |
| 690 | F1 | 05 | DK | 6 | D6 | DD I-O BUF LOAD CD-1 DELAY | | 0.7.7 | |
| 690 | F1 | 05 | FW | 14 | B506 | PA DISCON BTC MI MATRIX | | 0.7.7 | |
| 690 | F1 | 05 | ET | 9 | G7 | PA BREAK IN-OUT 2 STEP I-O ADR CNTR | | 0.4.1 | |
| 690 | F1 | 05 | ET | 28 | B6G7 | PA PT-1 RD-WR & CLEAR I-O BUF | | 0.7.2 | |
| 690 | F1 | 05 | EL | 2 | B6 | PA 2 MC OSC & PT 1&6 RD-WR | | 0.7.8 | |
| 690 | F1 | 05 | FM | 4 | D6 | PA TAPE CONTROLS | | 0.7.1 | |
| 690 | F1 | 05 | FM | 3 | D5 | PA TAPE CONTROLS | | 0.7.2 | |
| 690 | F1 | 05 | FM | 789 | G67 | PA TAPE CONTROLS | | 0.7.8 | |
| 690 | F1 | 05 | FY | 1 | B5 | BPA COMPL REGISTERS | | 0.2.4 | |
| 690 | F1 | 05 | EU | 2 | B6 | PA L MEM BUF I-O REG | | 0.1.1 | |
| 690 | F1 | 05 | EL | 1 | B5 | PA CLEAR ALARMS | | 0.7.4 | |
| 690 | F1 | 05 | FX | 1239 | B56D56G7 | PA MOD CTRL CLR | | 0.2.4 | |
| 690 | F1 | 05 | FX | 4 | D6 | GT CLEAR REGISTERS | | 0.2.4 | |
| | | | | | | | | | |
| -150 | A1 | 06 | FD | 89 | D7 | AFF I-O WORD COUNTER | | 0.7.3 | |
| -150 | A1 | 06 | FF | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FG | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FH | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FJ | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FK | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FL | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FM | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FN | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FP | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FR | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FS | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FT | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FU | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FV | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FW | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | FX | 89 | D7 | AFF WD CNTR | | 0.7.3 | |
| -150 | A1 | 06 | HL | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| -150 | A1 | 06 | HM | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| -150 | A1 | 06 | HN | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| -150 | A1 | 06 | HP | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| -150 | A1 | 06 | HR | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| -150 | A1 | 06 | HS | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| -150 | A1 | 06 | HT | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| -150 | A1 | 06 | HU | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| -150 | A1 | 06 | HV | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| -150 | A1 | 06 | HW | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| -150 | A1 | 06 | HX | 12 | B7 | AFF DRUM CONTROL REG | | 0.7.2 | |
| | | | | | | | | | |
| -150 | A2 | 06 | HE | 125-8 | B707 | AFF DRUM CONTROL INTERLEAVE | | 0.7.2 | |
| | | | | | | | | | |
| -150 | A3 | 06 | KE | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KF | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KG | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KH | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KJ | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KK | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KL | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KM | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KN | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KP | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KR | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KS | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KT | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KU | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KV | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KW | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | KX | 23 | D7 | AFF L I-O BUF | | 0.7.1 | |
| -150 | A3 | 06 | JF | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JG | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JH | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JJ | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JK | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JL | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JM | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JN | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JP | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JR | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JS | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JT | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |
| -150 | A3 | 06 | JU | 23 | D7 | AFF R I-O BUF | | 0.7.2 | |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|--------------------------------------|------|----------|-------|
| -150 | A3 | 06 | JV | 23 | D7 | AFF R I-O BUF | | | 0.7.2 |
| -150 | A3 | 06 | JW | 23 | D7 | AFF R I-O BUF | | | 0.7.2 |
| -150 | A3 | 06 | JX | 23 | D7 | AFF R I-O BUF | | | 0.7.2 |
| -150 | A4 | 02 | KE | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KF | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KG | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KH | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KJ | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KK | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KL | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KM | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KN | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KP | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KR | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KS | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KT | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KU | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KV | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KW | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 02 | KX | 23 | D7 | AFF L I-O REG | | | 0.7.1 |
| -150 | A4 | 03 | KF | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KG | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KH | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KJ | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KK | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KL | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KM | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KN | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KP | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KR | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KS | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KT | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KU | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KV | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KW | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A4 | 03 | KX | 23 | D7 | AFF R I-O REG | | | 0.7.2 |
| -150 | A5 | 05 | AT | 12 | B7 | AFF INDEX INTERVAL | | | 0.6.1 |
| -150 | A5 | 05 | AU | 12 | B7 | AFF INDEX INTERVAL | | | 0.6.1 |
| -150 | A5 | 05 | AV | 12 | B7 | AFF INDEX INTERVAL | | | 0.6.1 |
| -150 | A5 | 05 | AW | 12 | B7 | AFF INDEX INTERVAL | | | 0.6.1 |
| -150 | A5 | 05 | AX | 12 | B7 | AFF INDEX INTERVAL | | | 0.6.1 |
| -150 | A5 | 05 | AY | 12 | B7 | AFF INDEX INTERVAL | | | 0.6.1 |
| -150 | A5 | 05 | EG | 89 | D7 | AFF L10 BIT STORAGE | | | 0.6.2 |
| -150 | A6 | 13 | AD | 2367 | B7D7 | AFF TA TPD CLOCK CNTR REG & FREQ DIV | | | 0.8.3 |
| -150 | B1 | 05 | AC | 1-5 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B1 | 05 | AD | 1-9 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B1 | 05 | AE | 1-9 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B1 | 05 | AF | 1-9 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B1 | 05 | AG | 1-9 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B1 | 05 | AH | 1-9 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B1 | 05 | AK | 1-9 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B1 | 05 | AL | 1-9 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B1 | 05 | AM | 1-9 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B1 | 05 | AN | 1-9 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B1 | 05 | AJ | 1-9 | D7 | CF6 PERSELBSN OUTPUT | | | 0.6.1 |
| -150 | B2 | 05 | AT | 345 | D7 | CF6 INDEX INTERVAL | | | 0.6.1 |
| -150 | B2 | 05 | AU | 345 | D7 | CF6 INDEX INTERVAL | | | 0.6.1 |
| -150 | B2 | 05 | AV | 345 | D7 | CF6 INDEX INTERVAL | | | 0.6.1 |
| -150 | B2 | 05 | AW | 345 | D7 | CF6 INDEX INTERVAL | | | 0.6.1 |
| -150 | B2 | 05 | AX | 345 | D7 | CF6 INDEX INTERVAL | | | 0.6.1 |
| -150 | B2 | 05 | AY | 345 | D7 | CF6 INDEX INTERVAL | | | 0.6.1 |
| -150 | B3 | 06 | HL | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |
| -150 | B3 | 06 | HM | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |
| -150 | B3 | 06 | HN | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |
| -150 | B3 | 06 | HP | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |
| -150 | B3 | 06 | HR | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |
| -150 | B3 | 06 | HS | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |
| -150 | B3 | 06 | HT | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |

MC-4

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|-------------------------------------|------|----------|-------|
| -150 | B3 | 06 | HU | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |
| -150 | B3 | 06 | HV | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |
| -150 | B3 | 06 | HW | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |
| -150 | B3 | 06 | HX | 34 | D7 | CF6 DRUM CONTROL REG | | | 0.7.2 |
| -150 | B4 | 06 | JF | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JG | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JH | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JJ | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JK | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JL | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JM | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JN | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JP | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JR | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JS | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JT | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JU | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JV | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JW | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B4 | 06 | JX | 456 | D8 | CF6 R I-O BUF | | | 0.7.2 |
| -150 | B5 | 13 | AE | 47 | D7 | CF6 TA TPD CLOCK REG | | | 0.8.3 |
| -150 | B5 | 13 | AF | 47 | D7 | CF6 TA TPD CLOCK REG | | | 0.8.3 |
| -150 | B5 | 13 | AP | 789 | D7 | CF TA BACKWARD CNTRL | | | 0.8.2 |
| -150 | B6 | 13 | BG | 567 | D7 | CF6 TA READ & WRITE STATUS | | | 0.8.2 |
| -150 | B6 | 13 | BX | 2 | B7 | CF6 TA RD-WT DELAY | | | 0.8.2 |
| -150 | B6 | 13 | DC | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DD | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DE | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DF | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DG | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DH | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DJ | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DK | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DN | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DP | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DR | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DS | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DT | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DU | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DV | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DW | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DX | 38 | D7 | CF6 TA WORD REG | | | 0.8.4 |
| -150 | B6 | 13 | DL | 3 | D7 | CF6 TA WRITE E O F STATUS | | | 0.8.4 |
| -150 | C1 | 05 | EJ | 1456 | D7 | CF6 BREAK & BREAK REQUEST | | | 0.2.3 |
| -150 | C1 | 05 | EK | 156 | D7 | CF6 READ WRITE | | | 0.7.3 |
| -150 | C1 | 05 | EN | 14569 | D7 | CF6 I-O INTLK SENSE WORD CNTR | | | 0.7.3 |
| -150 | C1 | 05 | EP | 345 | D7 | CF6 WORD COUNTER STATUS | | | 0.7.3 |
| -150 | C1 | 05 | GC | 1 | B7 | CF6 MAIN WARNING LIGHT CONTROL | | | 0.7.9 |
| -150 | C1 | 05 | GE | 169 | D7 | CF6 WARNING LITE CTRL REG 1 & AUX | | | 0.7.9 |
| -150 | C1 | 05 | GE | 1569 | D7 | CF6 WARNING LITE CTRL REG 1 & AUX | | | 0.7.9 |
| -150 | C1 | 05 | GF | 14569 | D7 | CF6 WARNING LIGHT CONTROL REG 2 & 4 | | | 0.7.9 |
| -150 | C2 | 05 | FH | 1 | B7 | CF6 COMMAND GEN 3 | | | 0.7.6 |
| -150 | C2 | 05 | FH | 36 | B7D7 | CF6 CARD MACH OP & CARD RD START | | | 0.7.6 |
| -150 | C2 | 05 | FH | 9 | D7 | CF6 SECOND BREAK REQUEST | | | 0.7.6 |
| -150 | C2 | 05 | DR | 1456 | D7 | CF6 NOT READ DRUM & DRUM OPERATION | | | 0.7.7 |
| -150 | C2 | 05 | DS | 34 | B7 | CF6 DRUM RD-WR OPERATION CNTRL | | | 0.7.7 |
| -150 | C2 | 05 | DU | 14569 | D7 | CF6 I-O REG & BUF STATUS | | | 0.7.7 |
| -150 | C2 | 05 | DV | 456 | D7 | CF6 WR DRUMS & WR REG STATUS | | | 0.7.7 |
| -150 | C2 | 05 | DX | 345 | D7 | CF6 BIT R-1 DRUM ADR REG | | | 0.7.7 |
| -150 | C2 | 05 | FU | 8 | D7 | CF6 BURST TIME CNTR & MI MATRIX | | | 0.7.7 |
| -150 | C2 | 05 | FR | 145 | D7 | CF6 TAPE OPERATION | | | 0.7.8 |
| -150 | C2 | 05 | FR | 569 | D7 | CF6 REL TIME CLOCK TEST | | | 0.2.6 |
| -150 | C3 | 13 | CJ | 67 | D7 | CF6 TA WORD RING | | | 0.8.4 |
| -150 | C3 | 13 | CK | 67 | D7 | CF6 TA WORD RING | | | 0.8.4 |
| -150 | C3 | 13 | CL | 67 | D7 | CF6 TA WORD RING | | | 0.8.4 |
| -150 | C3 | 13 | CM | 67 | D7 | CF6 TA WORD RING | | | 0.8.4 |
| -150 | C3 | 13 | CN | 67 | D7 | CF6 TA WORD RING | | | 0.8.4 |
| -150 | C3 | 13 | CP | 67 | D7 | CF6 TA WORD RING | | | 0.8.4 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|-------------------------------------|------|----------|-------|
| -150 | D1 | 05 | GN | 1289 | 87D7 | AFF INACTIVITY CNTR | | | 0.7.5 |
| -150 | D1 | 05 | EM | 12 | 87 | AFF RD-WR ZERO TAPE & CARD MACH | | | 0.7.3 |
| -150 | D1 | 05 | DF | 1256 | 87D7 | AFF DRUM WORD DEMAND & SYNC | | | 0.7.7 |
| -150 | D1 | 05 | DL | 1256 | 87D7 | AFF I-O BUF SYNC & I-O BUF LOAD | | | 0.7.7 |
| -150 | D1 | 05 | DL | 78 | D7 | AFF INTERLEAVE | | | 0.7.7 |
| -150 | D1 | 05 | DM | 2378 | 87 | AFF DRUM CNTRL ACCEPT | | | 0.7.7 |
| -150 | D1 | 05 | DR | 2378 | 87 | AFF NOT READ DRUMS & DRUM OPERATION | | | 0.7.7 |
| -150 | D1 | 05 | DU | 2378 | 87 | AFF I-O REG & BUF STATUS | | | 0.7.7 |
| -150 | C1 | 05 | DV | 2378 | 87 | AFF WR DRUMS & WR REG STATUS | | | 0.7.7 |
| -150 | D1 | 05 | DW | 1256 | 87D7 | AFF WR REG STAT SYNC 2ND BREAK REQ | | | 0.7.7 |
| -150 | D1 | 05 | DX | 12 | 87 | AFF BIT R-1 DRUM ADR REG | | | 0.7.7 |
| -150 | D1 | 05 | DF | 78 | D7 | AFF LOCK ADR COUNTER | | | 0.4.1 |
| -150 | D1 | 05 | GE | 2378 | 87 | AFF WARNING LITE CTRL REG 1 & AUX | | | 0.7.9 |
| -150 | D1 | 05 | GF | 2378 | 87 | AFF WARNING LIGHT CONTROL REG 2 & 4 | | | 0.7.9 |
| -150 | D1 | 05 | FR | 23 | 87 | AFF TAPE OPERATION | | | 0.7.8 |
| -150 | D1 | 05 | EV | 12 | 87 | AFF OPERATE 15 16 | | | 0.7.5 |
| -150 | D1 | 05 | FJ | 12 | 87 | AFF I-O REG SELECT | | | 0.7.5 |
| -150 | D1 | 05 | FR | 78 | 87 | AFF REL TIME CLOCK TEST FF | | | 0.2.6 |
| | | | | | | | | | |
| -150 | D2 | 05 | EJ | 2378 | 87 | AFF BREAK & BREAK REQUEST | | | 0.2.3 |
| -150 | D2 | 05 | EK | 2378 | 87 | AFF READ WRITE | | | 0.7.3 |
| -150 | D2 | 05 | EM | 56 | D7 | AFF BREAK REQUEST SYNC | | | 0.2.3 |
| -150 | D2 | 05 | EM | 78 | D7 | AFF DISCONNECT I-O INTLK SYNC | | | 0.7.3 |
| -150 | D2 | 05 | EN | 2378 | 87 | AFF I-O INTLK SENSE WORD CNTR | | | 0.7.3 |
| -150 | D2 | 05 | EP | 12 | 87 | AFF WORD COUNTER STATUS | | | 0.7.3 |
| -150 | D2 | 05 | BU | 23 | 87 | AFF BRANCH ON BSN SYNC | | | 0.7.4 |
| -150 | D2 | 05 | BU | 78 | 87 | AFF BREAK PARITY CHECK CONTROL | | | 0.1.1 |
| | | | | | | | | | |
| -150 | D3 | 13 | AC | 8 | D7 | BFF TA OSC | | | 0.8.3 |
| -150 | D3 | 13 | AE | 56 | 87D8 | BFF TA TPD CLOCK REG | | | 0.8.3 |
| -150 | D3 | 13 | AF | 56 | 87D8 | BFF TA TPD CLOCK REG | | | 0.8.3 |
| | | | | | | | | | |
| -150 | D4 | 13 | BX | 7 | D7 | BFF TA DELAYED READ WRITE | | | 0.8.2 |
| -150 | D4 | 13 | BC | 9 | D8 | BFF TA DESELECT & READ DELAY | | | 0.8.2 |
| -150 | D4 | 13 | AP | 6 | D8 | BFF TA BACKWARD CNTRL | | | 0.8.2 |
| -150 | D4 | 13 | AR | 6 | D7 | BFF TA DELAYED BACKSPACE | | | 0.8.2 |
| -150 | D4 | 13 | BM | 7 | D7 | BFF TA WORD CNTR ZERO | | | 0.8.2 |
| -150 | D4 | 13 | BH | 1 | 87 | BFF TA 2ND WORD CNTR ZERO | | | 0.8.2 |
| -150 | D4 | 13 | BK | 7 | D8 | BFF TA GO CNTRL | | | 0.8.2 |
| -150 | D4 | 13 | DC | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DD | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DE | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DF | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DG | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DH | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DJ | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DK | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DN | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DP | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DR | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DS | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DT | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DU | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DV | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DW | 27 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DX | 2 | 87 | BFF TA WORD REG | | | 0.8.4 |
| -150 | D4 | 13 | DL | 2 | 87 | BFF TA WRITE E O F STATUS | | | 0.8.4 |
| -150 | D4 | 13 | CK | 9 | D8 | BFF TA WORD RING | | | 0.8.4 |
| -150 | D4 | 13 | CL | 9 | D8 | BFF TA WORD RING | | | 0.8.4 |
| -150 | D4 | 13 | CJ | 9 | D8 | BFF TA WORD RING | | | 0.8.4 |
| -150 | D4 | 13 | CM | 9 | D8 | BFF TA WORD RING | | | 0.8.4 |
| -150 | D4 | 13 | CN | 9 | D8 | BFF TA WORD RING | | | 0.8.4 |
| -150 | D4 | 13 | CP | 9 | D8 | BFF TA WORD RING | | | 0.8.4 |
| -150 | D4 | 13 | BT | 9 | D7 | BFF TA TEST ERROR | | | 0.8.5 |
| -150 | D4 | 13 | AK | 26 | 87 | BFF TA DRIVE SELECT | | | 0.8.1 |
| -150 | D4 | 13 | AL | 26 | 87 | BFF TA DRIVE SELECT | | | 0.8.1 |
| -150 | D4 | 13 | AM | 26 | 87 | BFF TA DRIVE SELECT | | | 0.8.1 |
| | | | | | | | | | |
| -150 | D6 | 13 | AN | 7 | D7 | APG TA REMOTE DESELECT | | | 0.8.1 |
| -150 | D6 | 13 | BS | 8 | D7 | APG TA TEST EXECUTE | | | 0.8.5 |
| -150 | D6 | 13 | CS | 4 | 87 | ST TA CHARACTER REG | | | 0.8.4 |
| -150 | D6 | 13 | CT | 4 | 87 | ST TA CHARACTER REG | | | 0.8.4 |
| -150 | D6 | 13 | CU | 4 | 87 | ST TA CHARACTER REG | | | 0.8.4 |
| -150 | D6 | 13 | CV | 4 | 27 | ST TA CHAR REG | | | 0.8.2 |
| -150 | D6 | 13 | CW | 4 | 87 | ST TA CHARACTER REG | | | 0.8.4 |
| -150 | D6 | 13 | CX | 4 | 87 | ST TA CHARACTER REG | | | 0.8.4 |

MC-4

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|------|--------------------------------|------|----------|-------|
| -150 | D6 | 13 | CY | 4 | B7 | ST | TA CHARACTER REG | | | 0.8.4 |
| -150 | E1 | 05 | CR | 124578D7 | | SS | OP PRINTERS 1 2 3 | | | 0.7.6 |
| -150 | E1 | 05 | CT | 124578D7 | | SS | OP PRINTERS 4 5 6 | | | 0.7.6 |
| -150 | E1 | 05 | CU | 124578D7 | | SS | OP PRINTERS 7 8 9 | | | 0.7.6 |
| -150 | E1 | 05 | CW | 124578D7 | | SS | OP PRINTER 10 PUNCH 1&2 | | | 0.7.6 |
| -150 | E1 | 05 | FE | 124578D7 | | SS | START CARD RD,PRINTER & PUNCH | | | 0.7.6 |
| -150 | E1 | 05 | FP | 12 D7 | | SS | DISCON CARD RD,PRINTER & PUNCH | | | 0.7.6 |
| -150 | E1 | 05 | CM | 124578D7 | | SS | MC EXCUR STOP-START | | | 0.7.5 |
| -150 | E2 | 03 | MD | 12 | B7 | SS | R TEST REG | | | 0.1.3 |
| -150 | E3 | 13 | AH | 34 | B7 | SS | TA RESET CHAR REG | | | 0.8.3 |
| -150 | E3 | 13 | AJ | 23 | B7 | SS | TA CLOCK CHAR GATE WRITE PULSE | | | 0.8.3 |
| -150 | E4 | 13 | BF | 123 | B7D7 | SS | TA READ WRITE CNTRL | | | 0.8.2 |
| -150 | E4 | 13 | AR | 123 | B7 | SS | TA START READ | | | 0.8.2 |
| -150 | E4 | 13 | AN | 12 | B7 | SS | TA BACK SPACE STOP 1 | | | 0.8.2 |
| -150 | E4 | 13 | BK | 123 | D7 | SS | TA SET PREPD & SET NIFA | | | 0.8.1 |
| -150 | E4 | 13 | CS | 78 | D7 | CF | TA CHAR REG | | | 0.8.4 |
| -150 | E4 | 13 | CT | 78 | D7 | CF | TA CHAR REG | | | 0.8.4 |
| -150 | E4 | 13 | CU | 78 | D7 | CF | TA CHAR REG | | | 0.8.4 |
| -150 | E4 | 13 | CV | 78 | D7 | CF | TA CHAR REG | | | 0.8.2 |
| -150 | E4 | 13 | CW | 78 | D7 | CF | TA CHAR REG | | | 0.8.4 |
| -150 | E4 | 13 | CX | 78 | D7 | CF | TA CHAR REG | | | 0.8.4 |
| -150 | E4 | 13 | CY | 78 | D7 | CF | TA CHAR REG | | | 0.8.4 |
| -150 | E5 | 13 | BC | 123 | B7D7 | SS | TA SELECT READ DELAY | | | 0.8.2 |
| -150 | E5 | 13 | BD | 124 | B7D7 | SS | TA READ WRITE START DELAY | | | 0.8.2 |
| -150 | E5 | 13 | BJ | 23 | B7 | SS | TA REWIND STATUS & START | | | 0.8.2 |
| -150 | E5 | 13 | BR | 123 | B7 | SS | TA DELAYED WRITE | | | 0.8.2 |
| -150 | E6 | 13 | AP | 123 | B7 | SS | TA END BACKSPACE BKWD CTRL | | | 0.8.2 |
| -150 | E6 | 13 | BL | 123 | B7D7 | SS | TA RESET WR FF & WR E O R | | | 0.8.2 |
| -150 | E6 | 13 | BT | 23 | B7 | SS | TA TEST READ & REWIND CYCLES | | | 0.8.5 |
| -150 | E6 | 13 | BS | 1-4 | B7 | SS | TA TEST WRT WD CTR ZERO CYCLES | | | 0.8.5 |
| -150 | F1 | 02 | KC | 3 | B7 | BPG | L I-O REG | | | 0.2.4 |
| -150 | F1 | 02 | KF | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KG | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KH | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KJ | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KK | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KL | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KM | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KN | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KP | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KR | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KS | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KT | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KU | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KV | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KW | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 02 | KX | 1 | B7 | BPG | L I-O REG | | | 0.7.1 |
| -150 | F1 | 03 | KC | 3 | B7 | BPG | R I-O REG | | | 0.2.4 |
| -150 | F1 | 03 | KD | 1 | B7 | BPG | R I-O REG | | | 0.7.6 |
| -150 | F1 | 03 | KF | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KG | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KH | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KJ | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KK | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KL | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KM | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KN | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KP | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KR | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KS | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KT | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KU | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KV | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KW | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 03 | KX | 1 | B7 | BPG | R I-O REG | | | 0.7.2 |
| -150 | F1 | 06 | KE | 1 | B7 | PG | L I-O BUF | | | 0.7.1 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|--------------------------------------|------|----------|---------|
| -150 | F1 | 06 | KF | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KG | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KH | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KJ | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KK | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KL | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KM | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KN | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KP | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KR | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KS | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KT | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KU | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KV | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KW | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | KX | 1 | 87 | PG L I-O BUF | | | 0.7.1 |
| -150 | F1 | 06 | JF | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JG | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JH | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JJ | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JK | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JL | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JM | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JN | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JP | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JR | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JS | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JT | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JU | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JV | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JW | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 06 | JX | 1 | 87 | PG R I-O BUF | | | 0.7.2 |
| -150 | F1 | 03 | KD | 1 | 87 | PG CARD MACH INDEX PULSE | | | 0.7.6 |
| -150 | F2 | 05 | AP | 6 | D7 | APG SET COND. LITE 1 | | | 0.7.4 |
| -150 | F2 | 05 | FS | 45 | D7 | BPG REQUEST BREAK & DISCON CARD MACH | | | 0.7.6 |
| -150 | F2 | 05 | EY | 12 | 87 | BPG LOAD FROM CARD READER & AM-1 | | | 0.7.3 |
| -150 | F2 | 05 | FS | 1236 | B7D7 | BPG MC EXCUR ON-OFF SIMPLEX & DUPLEX | | | 0.7.4 |
| -150 | F2 | 05 | EY | 6 | 87 | BPG DUPLEX SWITCH ALARM | | | 0.7.5 |
| -150 | F3 | 06 | FD | 12 | 87 | AFF ADR CMTR | | | 0.4.1 |
| -150 | F3 | 06 | FF | 12 | 87 | AFF ADR CNTR LS | | | 0.4.1 |
| -150 | F3 | 06 | FG | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FH | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FJ | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FK | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FL | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FM | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FN | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FP | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FR | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FS | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FT | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FV | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FU | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FW | 12 | 87 | AFF ADR CNTR | | | 0.4.1 |
| -150 | F3 | 06 | FX | 12 | 87 | AFF ADR CNTR | | 9 | 0.4.1 |
| -300 | A1 | 03 | KD | 2 | D8 | CFF R I-O REG CARD MACH CONTROL | | | 0.7.6 |
| -300 | A2 | 05 | BE | 2479 | D8 | CFF L&R OFLOW OPUT ALRM STS DRM PAR | | | 0.7.4 |
| -300 | A2 | 05 | BF | 2479 | D8 | CFF MEM DR TAPE PAR SD CAMERA STAT | | | 0.7.4 |
| -300 | A2 | 05 | BH | 249 | D8 | CFF ALARM 1 2 & TRACK DISPLAY | | | 0.7.4 |
| -300 | A2 | 05 | BJ | 2479 | D8 | CFF RDR PRINTER PUNCH TAPE NOT READY | | | 0.7.4 |
| -300 | A2 | 05 | BM | 2479 | D8 | CFF INPUT DATA & SIMPLEX CONTROL | | | 0.7.4 |
| -300 | A2 | 05 | BN | 247 | D8 | CFF OUT PAR ILL ADR OB PAR | | | 0.7.4 |
| -300 | A2 | 05 | BD | 2479 | D8 | CFF INACTIVITY | | | 0.7.4 |
| -300 | A2 | 05 | BH | 7 | D8 | CFF TTY PARITY | | | 0.7.4 |
| -300 | A2 | 05 | BG | 247 | D8 | CFF G/A TD PARITY | | | 000.7.4 |
| -300 | B1 | 05 | BK | 7 | D8 | CFF G-G PARITY | | | 0.7.4 |
| -300 | B1 | 05 | FH | 2 | D8 | CFF COMMAND GEN 3 | | | 0.7.6 |
| -300 | B1 | 05 | FC | 2468 | D8 | CFF CARD MACH DELAY & WORD XFER | | | 0.7.6 |
| -300 | B1 | 05 | FD | 24 | D8 | CFF PRINTER & PUNCH OPERATE | | | 0.7.6 |
| -300 | B1 | 05 | FH | 47 | D8 | CFF CARD MACH OP & CARD RD START | | | 0.7.6 |

MC-4

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-4 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|--------------------------------------|------|----------|---------|
| -300 | B1 | 05 | FH | 38 | D8 | CFF SECOND BREAK REQUEST | | | 0.7.6 |
| -300 | B1 | 05 | BL | 2479 | D8 | CFF INTERCOM 1,2,3, TAPES NOT RDY | | | 0.7.4 |
| -300 | B1 | 05 | GX | 124-79D8 | | CFF ALARM INDICATORS | | | 0.7.5 |
| -300 | B1 | 05 | DE | 8 | D8 | CFF COMPARE DRUM-ADR MODE | | | 0.7.7 |
| -300 | B1 | 05 | DD | 68 | D8 | CFF DRUM ADR IDENT BITS 7-15 & 12-15 | | | 0.7.7 |
| -300 | B1 | 05 | DE | 246 | D8 | CFF DR ADR ID BITS 14,15-11,15-5,10 | | | 0.7.7 |
| -300 | B1 | 05 | FT | 24 | D8 | CFF BURST TIME CNTR'6 MI MATRIX | | | 0.7.7 |
| -300 | B1 | 05 | GC | 2 | D8 | CFF MAIN WARNING LIGHT CONTROL | | | 0.7.9 |
| -300 | B1 | 05 | BC | 247 | D8 | CFF CONDITION LITES 1 2 3 | | | 0.7.4 |
| -300 | B1 | 05 | BK | 249 | D8 | CFF INTCOMM COND LGT 4 DUPLEX MC EXC | | | 0.7.4 |
| -300 | B1 | 05 | DD | 2 | D8 | CFF PROG SYNC | | | 000.7.4 |
| | | | | | | | | | |
| -300 | C1 | 13 | CS | 6 | D8 | FF TA CHARACTER REG | | | 0.8.4 |
| -300 | C1 | 13 | CT | 6 | D8 | FF TA CHARACTER REG | | | 0.8.4 |
| -300 | C1 | 13 | CU | 6 | D8 | FF TA CHARACTER REG | | | 0.8.4 |
| -300 | C1 | 13 | CV | 6 | D8 | FF TA CHARACTER REG | | | 0.8.2 |
| -300 | C1 | 13 | CW | 6 | D8 | FF TA CHARACTER REG | | | 0.8.4 |
| -300 | C1 | 13 | CX | 6 | D8 | FF TA CHARACTER REG | | | 0.8.4 |
| -300 | C1 | 13 | CY | 6 | D8 | FF TA CHARACTER REG | | | 0.8.4 |

| V C-L FR PU TUBES PINS | | | | | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------------------------|----|----|-----|----|-------------------------------------|------|----------|---------|
| 6250 A1 | 20 | GC | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GD | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GE | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GF | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GG | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GH | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GJ | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GK | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GL | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GM | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GP | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GR | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GS | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GT | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GU | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GV | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | GW | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HC | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HD | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HE | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HF | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HH | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HJ | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HK | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HL | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HM | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HN | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HP | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HR | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HS | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HT | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HU | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | HV | 1-7 | 85 | DFD AXD DRUM FIELD DRIVER | | | 1-2.1.1 |
| 6250 A1 | 20 | FX | 1-5 | 85 | DRD AXD ACD READ WRITE CNTRL | | | 1-2.2.2 |
| 6250 A1 | 21 | FU | 1-5 | 85 | DRD DRUM CD READ-WRITE CNTRL | | | 1.2.2 |
| 6250 A1 | 21 | HJ | 1-7 | 85 | DFD DRUM CD LRI-1 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HK | 1-7 | 85 | DFD DRUM CD LRI-2 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HL | 1-7 | 85 | DFD DRUM CD GFI-1 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HM | 1-7 | 85 | DFD DRUM CD XTEL FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HN | 1-7 | 85 | DFD DRUM CD SPARE AM FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HP | 1-7 | 85 | DFD DRUM CD SPARE XTEL FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JJ | 1-7 | 85 | DFD DRUM CD OB-1 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JK | 1-7 | 85 | DFD DRUM CD OB-2 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JL | 1-7 | 85 | DFD DRUM CD OB-3 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JM | 1-7 | 85 | DFD DRUM CD MI FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JN | 1-7 | 85 | DFD DRUM CD DD FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JP | 1-7 | 85 | DFD DRUM CD IC FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HC | 1-7 | 85 | DFD DRUM CD AMA-1 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JC | 1-7 | 85 | DFD DRUM CD AMA-2 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HD | 1-7 | 85 | DFD DRUM CD AMA-3 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JD | 1-7 | 85 | DFD DRUM CD AMA-4 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HE | 1-7 | 85 | DFD DRUM CD AMA-5 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JE | 1-7 | 85 | DFD DRUM CD AMA-6 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HF | 1-7 | 85 | DFD DRUM CD AMB-1 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JF | 1-7 | 85 | DFD DRUM CD AMB-2 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HG | 1-7 | 85 | DFD DRUM CD AMB-3 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JG | 1-7 | 85 | DFD DRUM CD AMB-4 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HH | 1-7 | 85 | DFD DRUM CD AMB-5 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JH | 1-7 | 85 | DFD DRUM CD AMB-6 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HU | 1-7 | 85 | DFD DRUM CD RD-1 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JU | 1-7 | 85 | DFD DRUM CD RD-2 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HV | 1-7 | 85 | DFD DRUM CD RD-3 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JV | 1-7 | 85 | DFD DRUM CD RD-4 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HW | 1-7 | 85 | DFD DRUM CD RD-5 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JW | 1-7 | 85 | DFD DRUM CD RD-6 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HX | 1-7 | 85 | DFD DRUM CD RD-7 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JX | 1-7 | 85 | DFD DRUM CD RD-8 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HY | 1-7 | 85 | DFD DRUM CD RD-9 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HR | 1-7 | 85 | DFD DRUM CD TD-1 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JR | 1-7 | 85 | DFD DRUM CD TD-2 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HS | 1-7 | 85 | DFD DRUM CD TD-3 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JS | 1-7 | 85 | DFD DRUM CD TD-4 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | HT | 1-7 | 85 | DFD DRUM CD TD-5 FIELD DRIVER | | | 1.1.1 |
| 6250 A1 | 21 | JT | 1-7 | 85 | DFD DRUM CD TD-6 FIELD DRIVER | | | 1.1.1 |
| 6250 B1 | 21 | AH | 7 | 85 | I DRUM OB-1 OD STATUS CNTRL | | | 1.4.1 |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|------|----------------------------------|------|----------|-----------|
| 6250 | B1 | 21 | AM | 8 | 85 | I | DRUM OB-2 OD STATUS CNTRL | | | 1.4.4.1 |
| 6250 | B1 | 21 | AM | 9 | 85 | I | DRUM OB-3 OD STATUS CNTRL | | | 1.4.4.1 |
| 6250 | B1 | 21 | AK | 23 | 85 | LA | DRUM OB-1 CD STATUS CNTRL | | | 1.4.4.1 |
| 6250 | B1 | 21 | AL | 23 | 85 | LA | DRUM OD-2 CD STATUS CNTRL | | | 1.4.4.1 |
| 6250 | B1 | 21 | AM | 23 | 85 | LA | DRUM OB-3 CD STATUS CNTRL | | | 1.4.4.1 |
| 6250 | B1 | 21 | AS | 3-6 | 85 | LA | DRUM CD FIELD & REG SW CNTRL | | | 1.4.4.1 |
| 6250 | B1 | 21 | FP | 9 | 85 | I | DRUM MI CD STATUS CNTRL CKT | | | 1.3.3.1 |
| 6250 | B1 | 21 | FP | 7 | 85 | I | DRUM XTEL CD MARKER STATUS CNTRL | | | 1.3.3.6 |
| 6250 | B1 | 21 | FP | 8 | 85 | I | DRUM XTEL STATUS CNTRL | | | 1.3.3.5 |
| 6250 | B1 | 21 | FS | 9 | 85 | I | DRUM GFI CD STATUS CNTRL | | | 1.3.3.2 |
| 6250 | B1 | 21 | FS | 7 | 85 | I | DRUM LRI-1 CD STATUS CNTRL CKT | | | 1.3.3.3 |
| 6250 | B1 | 21 | FS | 8 | 85 | I | DRUM LRI-2 CD STATUS CNTRL CKT | | | 1.3.3.4 |
| 6250 | B1 | 21 | GX | 2 | 85 | I | NO OD DRUMS SEL | | | 001.1.1.1 |
| 6250 | B1 | 21 | LC | 67 | 85 | LA | DRUM TEST CNTRLS | | | 1.8.0.3 |
| 6250 | B1 | 21 | LC | 89 | 85 | LA | DRUM TEST CNTRLS | | | 1.1.1.1 |
| 6250 | B1 | 21 | LC | 1-4 | 85 | LA | DRUM TEST CNTRLS | | | 1.8.0.2 |
| 6250 | B1 | 21 | KD | 7 | 85 | I | DRUM MANUAL TEST PATTERN CNTRL | | | 1.7.1.1 |
| 6250 | B1 | 21 | LD | 1 | 85 | I | DRUM MANUAL TEST PATTERN CNTRL | | | 1.7.1.1 |
| 6250 | B2 | 20 | FK | 7 | 85 | I | AXD ACD SELECT ENCODER | | | 1-2.1.1.1 |
| 6250 | B2 | 21 | AF | 34 | 85 | LA | DRUM OB OD FIELD SELECT CNTRL | | | 1.4.4.1 |
| 6250 | B2 | 21 | DM | 9 | 85 | I | DRUM LRI-2 SELECTED | | | 1.2.1.1 |
| 6250 | B2 | 21 | GP | 1-9 | 85 | LA | DRUM CD SELECT ENCODER | | | 1.1.1.1 |
| 6250 | B2 | 21 | GR | 1-9 | 85 | LA | DRUM CD SELECT ENCODER | | | 1.1.1.1 |
| 6250 | B2 | 21 | GS | 1-46-985 | | LA | DRUM CD SELECT ENCODER | | | 1.1.1.1 |
| 6250 | C1 | 20 | FS | 589 | 85 | PCF | AXD ACD READ WRITE CNTRL | | | 1-2.2.1.1 |
| 6250 | C1 | 21 | CC | 12356785 | | PCF | DRUM TD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CD | 12356785 | | PCF | DRUM TD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CE | 12356785 | | PCF | DRUM TD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CF | 12356785 | | PCF | DRUM TD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CG | 12356785 | | PCF | DRUM TD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CH | 12356785 | | PCF | DRUM TD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CJ | 12356785 | | PCF | DRUM RD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CK | 12356785 | | PCF | DRUM RD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CL | 12356785 | | PCF | DRUM RD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CM | 12356785 | | PCF | DRUM RD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CN | 12356785 | | PCF | DRUM RD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CP | 12356785 | | PCF | DRUM RD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CR | 12356785 | | PCF | DRUM RD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CS | 12356785 | | PCF | DRUM RD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CT | 12356785 | | PCF | DRUM RD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CU | 12356785 | | PCF | DRUM OB-1 OD FIELD SELECT SWITCH | | | 1.4.4.1 |
| 6250 | C1 | 21 | CV | 12356785 | | PCF | DRUM OB-2 OD FIELD SELECT SWITCH | | | 1.4.4.1 |
| 6250 | C1 | 21 | CK | 12356785 | | PCF | DRUM RD OD READ CNTRL | | | 1.5.1.1 |
| 6250 | C1 | 21 | CW | 12356785 | | PCF | DRUM OB-3 OD FIELD SELECT SWITCH | | | 1.4.4.1 |
| 6250 | C1 | 21 | FF | 589 | 85 | PCF | DRUM CD READ-WRITE CNTRL | | | 001.2.1.1 |
| 6250 | C1 | 21 | LG | 23 | 85 | PCF | DRUM TEST CNTRLS | | | 1.7.1.1 |
| 6250 | C1 | 21 | LG | 67 | 85 | PCF | DRUM TEST CONTROLS | | | 1.8.0.1 |
| 6250 | C1 | 21 | LG | 56 | 85 | PCF | DRUM TEST CONTROLS | | | 1.8.0.2 |
| 6150 | A1 | 20 | CE | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CF | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CG | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CH | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CJ | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CK | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CL | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CM | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CN | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CP | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CR | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CS | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CT | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CU | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CV | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CW | 34 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 20 | CX | 3 | D5 | CF | AXD ACD WRITE REG | | | 1-2.2.1.1 |
| 6150 | A1 | 22 | GE | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1.1 |
| 6150 | A1 | 22 | GF | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1.1 |
| 6150 | A1 | 22 | GG | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1.1 |
| 6150 | A1 | 22 | GH | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1.1 |
| 6150 | A1 | 22 | GJ | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1.1 |
| 6150 | A1 | 22 | GK | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1.1 |
| 6150 | A1 | 22 | GL | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1.1 |
| 6150 | A1 | 22 | GM | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1.1 |
| 6150 | A1 | 22 | GN | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1.1 |
| 6150 | A1 | 22 | GP | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1.1 |

| V C-L FR PU TUBES PINS | | | | | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------------------------|-------|----|----|----|----------------------------------|------------------------|----------|---------|
| 6150 A1 | 22 GR | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1 |
| 6150 A1 | 22 GS | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1 |
| 6150 A1 | 22 GT | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1 |
| 6150 A1 | 22 GU | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1 |
| 6150 A1 | 22 GV | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1 |
| 6150 A1 | 22 GW | 34 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1 |
| 6150 A1 | 22 GX | 3 | D5 | CF | DRUM CD WRITE CKT | | | 1.2.1 |
| | | | | | | | | |
| 6150 A2 | 22 JD | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JE | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JF | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JG | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JH | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JJ | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JK | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JL | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JM | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JN | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JP | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JR | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JS | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JT | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JU | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 JV | 34 | D5 | CF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| 6150 A2 | 22 KD | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KE | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KF | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KG | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KH | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KJ | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KK | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KL | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KM | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KN | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KP | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KR | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KS | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KT | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KU | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KV | 34 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 KW | 3 | D5 | CF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| 6150 A2 | 22 LD | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | PARITY | | 1.3.3 |
| 6150 A2 | 22 LE | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LF | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LG | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LH | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| | | | | | | | | |
| 6150 A3 | 22 HD | 34 | D5 | CF | DRUM OB-2 STATUS CNTRL CKT | | | 1.4.1 |
| 6150 A3 | 22 HE | 34 | D5 | CF | DRUM OB-3 STATUS CNTRL CKT | | | 1.4.1 |
| 6150 A3 | 22 HH | 34 | D5 | CF | DRUM GFI STATUS CNTRL CKT | | | 1.3.2 |
| 6150 A3 | 22 HJ | 34 | D5 | CF | DRUM LRI-1 STATUS CNTRL | | | 1.3.3 |
| 6150 A3 | 22 HK | 34 | D5 | CF | DRUM LRI-2 STATUS CNTRL | | | 1.3.4 |
| 6150 A3 | 22 HL | 34 | D5 | CF | DRUM XTEL STATUS CNTRL CKT | | | 1.3.5 |
| 6150 A3 | 22 HM | 34 | D5 | CF | DRUM MI STATUS CNTRL | | | 1.3.1 |
| 6150 A3 | 22 HR | 3 | D5 | CF | DRUM SPARE XTEL STATUS CNTRL | | | 1.3.6 |
| 6150 A3 | 22 HS | 4 | D5 | CF | DRUM XTEL STATUS CNTRL | | | 1.3.6 |
| 6150 A3 | 22 JW | 4 | D5 | CF | DRUM XTEL CD MARKER STATUS CNTRL | | | 1.3.5 |
| 6150 A3 | 22 PW | 34 | D5 | CF | DRUM XTEL STATUS CNTRL | | | 1.3.6 |
| | | | | | | | | |
| 6150 B1 | 22 LD | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LE | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LF | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LG | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LH | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LJ | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LK | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LL | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LM | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LN | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LP | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LR | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LS | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LT | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LU | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 LV | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 MD | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |
| 6150 B1 | 22 ME | 56 | CT | WR | HEADWW | DRUM LRI-162 WRITE CKT | | 001.3.3 |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC | | | |
|------|-----|----|----|-------|------|------|-------------|------|----------|-------|-------|---------|-------|
| 6150 | B1 | 22 | MF | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MG | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MH | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MJ | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MK | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | ML | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MM | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MN | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MP | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MR | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MS | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MT | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MU | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MV | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | MW | 56 | CT | WR | HEADDD | DRUM | LRI-162 | WRITE | CKT | 001.3.3 | |
| 6150 | B1 | 22 | JD | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JE | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JF | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JG | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JH | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JJ | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JK | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JL | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JM | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JN | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JP | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JR | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JS | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JT | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JU | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | JV | 5-8 | CT | WR | HEADDD | DRUM | XTEL | OD | WRITE | CKT | 1.3.5 |
| 6150 | B1 | 22 | KD | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KE | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KF | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KG | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KH | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KJ | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KK | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KL | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KM | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KN | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KP | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KR | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KS | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KT | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KU | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KV | 5-8 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | KW | 56 | CT | WR | HEADDD | DRUM | MI | OD | WRITE | CKT | 1.3.1 |
| 6150 | B1 | 22 | LD | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LE | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LF | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LG | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LH | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LJ | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LK | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LL | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LM | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LN | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LP | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LR | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LS | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LT | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LU | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | LV | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MD | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | ME | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MF | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MG | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MH | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MJ | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MK | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | ML | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MM | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MN | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MP | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MR | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MS | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MT | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MU | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |
| 6150 | B1 | 22 | MV | 78 | CT | WR | HEADDD | DRUM | LRI-162 | OD | WRITE | CKT | 1.3.4 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|-------|------|--|------|----------|---------|
| 6150 | B1 | 22 | MW | 78 | CT | WR | HEADW DRUM LRI-162 OD WRITE CKT | | | 1.3.4 |
| 6150 | B1 | 22 | ND | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NE | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NF | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NG | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NH | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NJ | 56 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NN | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NP | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NR | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NS | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NT | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NU | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NV | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NW | 5-8 | CT | WR | HEADW DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NX | 5-8 | CT | WR | HEADW DRUM CFI OD WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NJ | 78 | CT | WR | HEADW DRUM GFI REL TIME CNTR WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NK | 5-8 | CT | WR | HEADW DRUM GFI REL TIME CNTR WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | NM | 5-8 | CT | WR | HEADW DRUM GFI REL TIME CNTR WRITE CKT | | | 1.3.2 |
| 6150 | B1 | 22 | PD | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PE | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PF | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PG | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PH | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PJ | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PK | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PL | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PM | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PN | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PP | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PR | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PS | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PT | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PU | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B1 | 22 | PV | 5-8 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | B2 | 22 | HC | 5-8 | CT | WR | HEADW DRUM OB-1 STATUS CNTRL CKT | | | 001.4.1 |
| 6150 | B2 | 22 | HD | 5-8 | CT | WR | HEADW DRUM OB-2 STATUS CNTRL CKT | | | 001.4.1 |
| 6150 | B2 | 22 | HE | 5-8 | CT | WR | HEADW DRUM OB-3 STATUS CNTRL CKT | | | 001.4.1 |
| 6150 | B2 | 22 | HH | 5-8 | CT | WR | HEADW DRUM GFI STATUS CNTRL CKT | | | 001.3.2 |
| 6150 | B2 | 22 | HJ | 5-8 | CT | WR | HEADW DRUM LRI-1 STATUS CNTRL | | | 001.3.3 |
| 6150 | B2 | 22 | HK | 5-8 | CT | WR | HEADW DRUM LRI-2 STATUS CNTRL | | | 001.3.4 |
| 6150 | B2 | 22 | HM | 5-8 | CT | WR | HEADW DRUM MI STATUS CNTRL | | | 001.3.1 |
| 6150 | B2 | 22 | HL | 5-8 | CT | WR | HEADW DRUM XTL STATUS CNTRL CKT | | | 001.3.5 |
| 6150 | B2 | 22 | HR | 5-8 | CT | WR | HEADW DRUM SP XTEL STATUS | | | 001.3.6 |
| 6150 | B2 | 22 | PW | 78 | CT | WR | HEADW DRUM XTEL STATUS CNTRL | | | 1.3.6 |
| 6150 | B2 | 22 | PX | 56 | CT | WR | HEADW DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 | C1 | 20 | FX | 1-5 | D5 | DRD | AXD ACD READ WRITE CNTRL | | | 1-2.2.2 |
| 6150 | C1 | 21 | FU | 1-5 | D5 | DRD | DRUM CD READ-WRITE CNTRL | | | 1.2.2 |
| 6150 | D1 | 20 | FN | 89 | G5 | CF | AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| 6150 | D1 | 20 | FP | 6 | G5 | CF | AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| 6150 | D1 | 20 | FR | 24-7 | D5G5 | CF | AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| 6150 | D1 | 20 | FS | 2 | D5 | CF | AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| 6150 | D1 | 20 | FT | 2367 | D5G5 | CF | AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| 6150 | D1 | 21 | FC | 89 | G5 | CF | DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| 6150 | D1 | 21 | FD | 6 | G5 | CF | DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| 6150 | D1 | 21 | FE | 27 | D5G5 | CF | DRUM CD READ WRITE CNTRL | | | 5-1.6.1 |
| 6150 | D1 | 21 | FE | 4-7 | D5G5 | CF | DRUM CD READ WRITE CNTRL | | | 1.2.1 |
| 6150 | D1 | 21 | FF | 2 | D5 | CF | DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| 6150 | D1 | 21 | FG | 2367 | G5D5 | CF | DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| 6150 | D2 | 21 | AC | 1 | D5 | CF | DRUM DD OD READ CNTRL | | | 1.5.3 |
| 6150 | D2 | 21 | AD | 25 | D5 | CF | DRUM DD OD READ CNTRL | | | 1.5.3 |
| 6150 | D2 | 21 | AE | 25 | D5 | CF | DRUM DD OD READ CNTRL | | | 1.5.3 |
| 6150 | D2 | 21 | AR | 3 | D5 | CF | DRUM OB OD FIELD SELECT CNTRL | | | 1.4.1 |
| 6150 | D2 | 21 | AF | 34678 | D5G56 | CF | DRUM OB OD FIELD SELECT CNTRL | | | 1.4.1 |
| 6150 | D2 | 21 | AG | 35 | D5 | CF | DRUM OB OD READ CNTRL | | | 1.4.1 |
| 6150 | D2 | 21 | DC | 67 | D5 | CF | DRUM TD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DE | 37 | D5 | CF | DRUM TD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DF | 258 | D5 | CF | DRUM TD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DG | 13467985 | D5 | CF | DRUM TD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DH | 1 | D5 | CF | DRUM TD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DK | 789 | D5 | CF | DRUM RD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DM | 89 | D5 | CF | DRUM RD OD READ CNTRL | | | 1.2.1 |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-------------|------|------|----------------------------------|------|----------|---------|
| 6150 | D2 | 21 | DM | 6 | D5 | CF | DRUM RD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DM | 1 | D5 | CF | DRUM RD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DP | 13467985 | | CF | DRUM RD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DR | 13467985 | | CF | DRUM RD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DT | 56 | D5 | CF | DRUM RD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DV | 1 | D5 | CF | DRUM RD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DW | 39 | D5 | CF | DRUM RD OD READ CNTRL | | | 1.5.1 |
| 6150 | D2 | 21 | DX | 258 | D5 | CF | DRUM RD OD READ CNTRL | | | 001.5.1 |
| 6150 | D2 | 21 | DY | 5 | D5 | CF | DRUM TD TIMING CKT | | | 001.5.1 |
| 6150 | D2 | 21 | ES | 6 | D5 | CF | DRUM RD TIMING CKT | | | 1.1.2 |
| 6150 | D2 | 21 | ET | 6 | D5 | CF | DRUM RD TIMING CKT | | | 1.5.1 |
| 6150 | D2 | 21 | EY | 6 | D5 | CF | DRUM TD TIMING CKT | | | 1.1.2 |
| 6150 | D2 | 21 | RN | 4 | D5 | CF | DRUM IC OD READ CNTRL CKT | | | 5-1.6.1 |
| 6150 | D2 | 22 | MX | 23 | D5 | CF | DRUM RI OD REL TIME CNTR | | | 1.3.2 |
| 6150 | D4 | 20 | FC | 13467985 | | CF | AXD ACD SELECTION REG | | | 1-2.1.1 |
| 6150 | D4 | 20 | FD | 13467985 | | CF | AXD ACD SEL REG OCTAL ENCODER | | | 1-2.1.1 |
| 6150 | D4 | 20 | FE | 1-8 | D5 | CF | AXD ACD SEL REG OCTAL ENCODER | | | 1-2.1.1 |
| 6150 | D4 | 20 | FF | 1-478 | D5 | CF | AXD ACD SEL REG OCTAL ENCODER | | | 1-2.1.1 |
| 6150 | D4 | 21 | GC | 13467985 | | CF | DRUM CD SELECT REG | | | 1.1.1 |
| 6150 | D4 | 21 | GD | 13467985 | | CF | DRUM CD SELECT REG | | | 1.1.1 |
| 6150 | D5 | 20 | FG | 346-9 | D5 | CF | AXD ACD SELECT ENCODER | | | 1-2.1.1 |
| 6150 | D5 | 20 | FH | 346-9 | D5 | CF | AXD ACD SELECT ENCODER | | | 1-2.1.1 |
| 6150 | D5 | 20 | FJ | 234678D5 | | CF | AXD ACD SELECT ENCODER | | | 1-2.1.1 |
| 6150 | D5 | 20 | FK | 1-47-9D5G5 | | CF | AXD ACD SELECT ENCODER | | | 1-2.1.1 |
| 6150 | D5 | 21 | FS | 1 | G5 | CF | DRUM CD SELECT REG | | | 1.1.2 |
| 6150 | D5 | 21 | FS | 2 | G5 | CF | DRUM CU SELECT REG | | | 1.7.2 |
| 6150 | D5 | 21 | FS | 1 | G5 | CF | DRUM CD SELECT REG | | | 1.1.1 |
| 6150 | D5 | 21 | GS | 1-9 | D5G5 | CF | DRUM CD SELECT REG | | | 1.1.1 |
| 6150 | D5 | 21 | GG | 1-46-8D5G5 | | CF | DRUM CD SELECT REG | | | 001.1.1 |
| 6150 | D5 | 21 | GH | 1-46-8D5 | | CF | DRUM CD SELECT ENCODER | | | 001.1.1 |
| 6150 | D5 | 21 | GJ | 1-46-9D5 | | CF | DRUM CU SELECT ENCODER | | | 1.1.1 |
| 6150 | D5 | 21 | GK | 1357 | B5 | CF | DRUM CD SELECT ENCODER | | | 1.1.1 |
| 6150 | D5 | 21 | GL | 247-9 | D5 | CF | DRUM CD SELECT ENCODER | | | 001.1.1 |
| 6150 | D5 | 21 | GM | 24789 | D5 | CF | DRUM CD SELECT ENCODER | | | 1.1.1 |
| 6150 | D5 | 21 | GN | 24789 | D5 | CF | DRUM CD SELECT ENCODER | | | 1.1.1 |
| 6150 | D5 | 21 | GP | 1-9 | D5 | LA | DRUM CD SELECT ENCODER | | | 1.1.1 |
| 6150 | D5 | 21 | GR | 1-9 | D5 | LA | DRUM CD SELECT ENCODER | | | 1.1.1 |
| 6150 | D5 | 21 | KK | 1-8 | B5 | CF | DRUM CD SELECT ENCODER | | | 1.1.1 |
| 6150 | D6 | 21 | GX | 12 | B6 | I | NO OD DRUMS SEL | | | 1.1.1 |
| 6150 | D6 | 21 | GE | 1-8 | D5 | CF | DRUM CD SELECT REG | | | 1.1.1 |
| 6150 | D6 | 21 | GF | 1-8 | D5 | CF | DRUM CD SELECT REG | | | 1.1.1 |
| 6150 | E1 | 21 | AH | 9 | G6 | I | DRUM OB-3/D STATUS CTL | | | 1.4.1 |
| 6150 | E1 | 21 | AH | 2 | D5 | CF | SD TEST | | | 1.8.2 |
| 6150 | E1 | 21 | AH | 17 | G56 | CF | DRUM OB-1 OD STATUS CNTRL | | | 1.4.1 |
| 6150 | E1 | 21 | AH | 18 | G56 | CF | DRUM OB-2 OD STATUS CNTRL | | | 1.4.1 |
| 6150 | E1 | 21 | AH | 29 | G56 | CF | DRUM OB-3 OD STATUS CNTRL | | | 1.4.1 |
| 6150 | E1 | 21 | BC | 256 | D5 | CF | DRUM XTEL OD STATUS CNTRL | | | 1.3.5 |
| 6150 | E1 | 21 | BE | 356 | D5 | CF | DRUM XTEL OD MARKER STATUS CNTRL | | | 1.3.5 |
| 6150 | E1 | 21 | BG | 256 | D5 | CF | DRUM MI OD STATUS CNTRL | | | 1.3.1 |
| 6150 | E1 | 21 | BJ | 256 | D5 | CF | DRUM SP XTEL OD STATUS CNTRL | | | 1.3.6 |
| 6150 | E1 | 21 | BL | 356 | D5 | CF | DRUM SP XTEL OD MARKER STATUS | | | 1.3.6 |
| 6150 | E1 | 21 | BL | 3 | D5 | CF | DRUM SP XTEL OD MARKER STATUS | | | 1.7.1 |
| 6150 | E1 | 21 | BY | 14569 | D5 | CF | DRUM LRI 162 SP XTAL NORM/STAT | | | 1.2.1 |
| 6150 | E1 | 21 | AH | 5 | D5 | CF | DRUM LRI-1 OD STATUS CNTRL | | | 1.3.3 |
| 6150 | E1 | 21 | AH | 5 | D5 | CF | DRUM LRI-1 OD STATUS CNTRL | | | 1.3.3 |
| 6150 | E1 | 21 | BN | 256 | G5 | CF | DRUM LRI-1 OD STATUS CNTRL | | | 1.3.3 |
| 6150 | E1 | 21 | BR | 123567G5 | | CF | DRUM LRI-2 OD STATUS CNTRL | | | 1.3.4 |
| 6150 | E1 | 21 | BU | 256 | D5 | CF | DRUM GFI OD STATUS CNTRL | | | 1.3.2 |
| 6150 | E1 | 21 | AV | 6 | D5 | CF | DRUM OB OD GAP CNTR | | | 1.4.1 |
| 6150 | E1 | 21 | AU | 6 | D5 | CF | DRUM OB-CD GAP CTR | | | 001.4.1 |
| 6150 | E2 | 21 | AM | 3 | D5 | CF | LOG OD-IX OB FLD SW CTR 1-2 | | | 1.4.1 |
| 6150 | E2 | 21 | CY | 2 | D5 | CF | NOT MANUAL TEST | | | 1.7.2 |
| 6150 | E2 | 21 | AK | 235789D56G5 | | CF | DRUM OB-1 CD STATUS CNTRL | | | 1.4.1 |
| 6150 | E2 | 21 | AK | 7 | G5 | CF | DRUM OB-1 CD STATUS CNTRL | | | 1.7.1 |
| 6150 | E2 | 21 | AL | 235789D56G5 | | CF | DRUM OB-2 CD STATUS CNTRL | | | 1.4.1 |
| 6150 | E2 | 21 | AM | 235789D56G5 | | CF | DRUM OB-3 CD STATUS CNTRL | | | 1.4.1 |
| 6150 | E2 | 21 | AR | 368 | G5 | CF | DRUM CU FIELD & REG SW CNTRL | | | 1.4.1 |
| 6150 | A2 | 22 | LJ | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |

| V C-L FR PU TUBES PINS | | | | | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------------------------|-------|------|-------|----|----------------------------------|------|----------|-------|
| 6150 A2 | 22 LK | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LL | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LM | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LN | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LP | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LR | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LS | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LT | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 LV | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MD | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 ME | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MF | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MG | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MH | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MJ | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MK | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 ML | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MM | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MN | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MP | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MR | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MS | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MT | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MU | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MV | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 MW | 4 | D5 | CF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| 6150 A2 | 22 ND | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NE | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NF | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NG | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NH | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NJ | 3 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NN | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NP | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NR | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NS | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NT | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NU | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NV | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NW | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NX | 34 | D5 | CF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NJ | 4 | D5 | CF | DRUM GFI REL TIME CNTR WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NK | 34 | D5 | CF | DRUM GFI REL TIME CNTR WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 NM | 34 | D5 | CF | DRUM GFI REL TIME CNTR WRITE CKT | | | 1.3.2 |
| 6150 A2 | 22 PD | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PE | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PF | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PG | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PH | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PJ | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PK | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PL | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PM | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PN | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PP | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PR | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PS | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PT | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PU | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A2 | 22 PV | 34 | D5 | CF | DRUM SP XT WRITE CKT | | | 1.3.6 |
| 6150 A3 | 22 HC | 34 | D5 | CF | DRUM OB-1 STATUS CNTRL CKT | | | 1.4.1 |
| 6150 E2 | 21 AS | 13-9 | D5G5 | CF | DRUM CD FIELD & REG SW CNTRL | | 001.4.1 | |
| 6150 E2 | 21 AT | 123 | D5D5 | CF | DRUM CD FIELD & REG SW CNTRL | | 1.4.1 | |
| 6150 E2 | 21 FP | 1 | G5 | CF | DRUM CD STATUS CNTRL | | 1.3.4 | |
| 6150 E2 | 21 FP | 38 | D5G6 | CF | DRUM XTEL CD STATUS CNTRL | | 1.3.5 | |
| 6150 E2 | 21 FP | 27 | D5G6 | CF | DRUM XTEL CD MARKER STATUS CNTRL | | 1.3.6 | |
| 6150 E2 | 21 FP | 239 | D5G56 | CF | DRUM MI CU STATUS CNTRL CKT | | 1.3.1 | |
| 6150 E2 | 21 FS | 39 | D5G6 | CF | DRUM GFI CD STATUS CNTRL | | 1.3.2 | |
| 6150 E2 | 21 FS | 15 | D5G5 | C | DRUM LRI-1 CD STATUS CNTRL CKT | | 1.3.3 | |
| 6150 E2 | 21 FS | 27 | D5G6 | CF | DRUM LRI-1 CD STATUS CNTRL CKT | | 1.3.3 | |
| 6150 E2 | 21 FS | 358 | D5G6 | CF | DRUM LRI-2 CD STATUS CNTRL CKT | | 1.3.4 | |
| 6150 E2 | 21 AU | 6 | D5 | CF | DRUM OB CD GAP CNTR | | 1.4.1 | |
| 6150 E2 | 21 PC | 45 | D5 | CF | DRUM STEP DISC CNTR | | 1.3.1 | |
| 6150 E2 | 21 PC | 9 | D5 | CF | DRUM STEP DISC CNTR | | 1.3.3 | |
| 6150 E2 | 21 PC | 9 | D5 | CF | DRUM STEP DISC CNTR | | 1.3.5 | |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------|--|------|----------|---------|
| 6150 | E2 | 21 | AL | 7 | G5 | CF | DRUM 08-2 CD STATUS CNTRL | | | 1-7-1 |
| 6150 | E2 | 21 | AM | 7 | G5 | CF | DRUM 08-3 CD STATUS CNTRL | | | 1-7-1 |
| 6150 | E2 | 21 | AM | 3 | D5 | CF | DRUM 08-3 CD STATUS CNTRL | | | 1-4-1 |
| 6150 | E2 | 21 | CY | 13569 | D5 | CF | LK1-1+2 XTL UN SP XTL COMPARE | | | 001+2-1 |
| 6150 | E2 | 21 | CY | 7 | D5 | CF | TEST 6 STATUS | | | 001+2-1 |
| 6150 | E3 | 21 | GM | 13569 | G5 | CF | DRUM CD SELECT ENCODER | | | 1-1-1 |
| 6150 | E3 | 21 | GM | 13569 | G5 | CF | DRUM CD SELECT ENCODER | | | 1-1-1 |
| 6150 | E4 | 20 | FM | 67 | D5 | SS | AXD ACD READ WRITE CNTRL | | | 1-2-2-1 |
| 6150 | E4 | 20 | FM | 12 | D5 | SS | AXD ACD READ WRITE CNTRL | | | 1-2-2-1 |
| 6150 | E4 | 21 | FC | 67 | D5 | SS | DRUM CD READ-WRITE CNTRL | | | 1-2-1 |
| 6150 | E4 | 21 | FD | 12 | D5 | SS | DRUM CD READ-WRITE CNTRL | | | 1-2-1 |
| 6150 | F1 | 20 | EY | 3 | D5 | VKD | AXD MANUAL TEST READ WRITE CNTRL-2-2-3 | | | 1-2-3 |
| 6150 | F1 | 21 | LU | 3 | D5 | VKD | | | | 1-7-1 |
| 6150 | F1 | 21 | NR | 34 | D5 | VKD | DRUM IC OWN TEST | | | 1-7-1 |
| 6150 | F4 | 20 | EC | 2378 | D5G5 | CF | AXD MANUAL TEST CHECK REG | | | 1-2-3-2 |
| 6150 | F4 | 20 | ED | 2378 | D5G5 | CF | AXD MANUAL TEST CHECK REG | | | 1-2-3-2 |
| 6150 | F4 | 20 | EE | 2378 | D5G5 | CF | AXD MANUAL TEST CHECK REG | | | 1-2-3-2 |
| 6150 | F4 | 20 | EF | 2378 | D5G5 | CF | AXD MANUAL TEST CHECK REG | | | 1-2-3-2 |
| 6150 | F4 | 20 | EG | 2378 | D5G5 | CF | AXD MANUAL TEST CHECK REG | | | 1-2-3-2 |
| 6150 | F4 | 20 | EH | 2378 | D5G5 | CF | AXD MANUAL TEST CHECK REG | | | 1-2-3-2 |
| 6150 | F4 | 20 | EJ | 2378 | D5G5 | CF | AXD MANUAL TEST CHECK REG | | | 1-2-3-2 |
| 6150 | F4 | 20 | EK | 2378 | D5G5 | CF | AXD MANUAL TEST CHECK REG | | | 1-2-3-2 |
| 6150 | F4 | 20 | ET | 456 | D5 | CF | AXD MANUAL TEST READ WRT CNTRL | | | 1-2-3-2 |
| 6150 | F4 | 20 | EY | 4 | D5 | CF | AXD MANUAL TEST READ WRITE CNTRL-2-2-3 | | | 1-2-3-2 |
| 6150 | F4 | 20 | FY | 3 | D5 | CF | AXD MANUAL TEST READ WRITE CNTRL-2-2-3 | | | 1-2-3-2 |
| 6150 | F4 | 20 | ER | 9 | D5 | CF | AXD MANUAL TEST PATTERN CNTRL | | | 1-2-3-2 |
| 6150 | F4 | 20 | EX | 67 | D5 | CF | AXD MANUAL TEST CHECK CNTRLS | | | 1-2-3-2 |
| 6150 | F4 | 21 | KR | 2378 | D5G5 | CF | DRUM MANUAL TEST CHECK REG | | | 1-7-2 |
| 6150 | F4 | 21 | KS | 2378 | D5G5 | CF | DRUM MANUAL TEST CHECK REG | | | 1-7-2 |
| 6150 | F4 | 21 | KT | 2378 | D5G5 | CF | DRUM MANUAL TEST CHECK REG | | | 1-7-2 |
| 6150 | F4 | 21 | KU | 2378 | D5G5 | CF | DRUM MANUAL TEST CHECK REG | | | 1-7-2 |
| 6150 | F4 | 21 | KV | 2378 | D5G5 | CF | DRUM MANUAL TEST CHECK REG | | | 1-7-2 |
| 6150 | F4 | 21 | KW | 2378 | D5G5 | CF | DRUM MANUAL TEST CHECK REG | | | 1-7-2 |
| 6150 | F4 | 21 | KX | 2378 | D5G5 | CF | DRUM MANUAL TEST CHECK REG | | | 1-7-2 |
| 6150 | F4 | 21 | KY | 2378 | D5G5 | CF | DRUM MANUAL TEST CHECK REG | | | 1-7-2 |
| 6150 | F4 | 21 | DJ | 67 | D5 | CF | DRUM TEST CONTROLS | | | 1-5-2 |
| 6150 | F4 | 21 | LC | 589 | D5G5 | CF | DRUM TEST CONTROLS | | | 1-1-1 |
| 6150 | F4 | 21 | LC | 1-4 | D5G5 | CF | DRUM TEST CONTROLS | | | 1-8-2 |
| 6150 | F4 | 21 | LC | 67 | D5G5 | CF | DRUM TEST CONTROLS | | | 1-8-3 |
| 6150 | F4 | 21 | LE | 79 | B5 | CF | DRUM TEST CONTROLS | | | 1-8-1 |
| 6150 | F4 | 21 | LH | 14589 | D5 | CF | DRUM TEST CONTROLS | | | 1-8-2 |
| 6150 | F4 | 21 | LH | 67 | D5 | CF | DRUM TEST CONTROLS | | | 1-8-1 |
| 6150 | F4 | 21 | LH | 2 | D5 | CF | DRUM TEST CONTROLS | | | 1-8-3 |
| 6150 | F4 | 21 | LD | 25-9 | D5 | CF | DRUM TEST CONTROLS | | | 1-8-1 |
| 6150 | F4 | 21 | LD | 1 | G5 | CF | DRUM TEST CONTROLS | | | 1-7-1 |
| 6150 | F4 | 21 | LE | 1346 | B5 | CF | DRUM TEST CONTROLS | | | 1-7-2 |
| 6150 | F4 | 21 | KH | 269 | D5 | CF | DRUM MANUAL TEST RD WRT CT | | | 1-7-2 |
| 6150 | F4 | 21 | KJ | 23 | D5 | CF | DRUM MANUAL TEST RD WRT CT | | | 1-7-1 |
| 6150 | F4 | 21 | LU | 4 | D5 | CF | | | | 1-2-3 |
| 6150 | F4 | 21 | KD | 17 | D5 | CF | DRUM MANUAL TEST PATTERN CNTRL | | | 1-8-2 |
| 6150 | F4 | 21 | KF | 9 | D5 | CF | DRUM MANUAL TEST PATTERN CNTRL | | | 1-7-2 |
| 6150 | F4 | 21 | KP | 67 | D5 | CF | DRUM MANUAL TEST CHECK CNTRL | | | 1-7-2 |
| 690 | A1 | 20 | AC | 2 | B5 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AD | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AE | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AF | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AG | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AH | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AJ | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AK | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AL | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AM | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AN | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AP | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AR | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AS | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AT | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AU | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 20 | AV | 23 | B56 | GT | AXD ACD INFO READ CKT | | | 1-2-2-2 |
| 690 | A1 | 22 | EC | 2 | B5 | GT | DRUM CD READ CKT | | | 1-2-2 |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|--------|-----|----|-------|----------|------|------|---------------------------------|------|----------|-------|
| 690 A2 | 22 | DT | 23 | B56 | | GT | DRUM SD OD READ CKT | | | 1.5+2 |
| 690 A2 | 22 | DU | 23 | B56 | | GT | DRUM SD OD READ CKT | | | 1.5+2 |
| 690 A2 | 22 | DV | 23 | B56 | | GT | DRUM SD OD READ CKT | | | 1.5+2 |
| 690 A2 | 22 | DW | 23 | B56 | | GT | DRUM SD OD READ CKT | | | 1.5+2 |
| 690 A2 | 22 | DX | 23 | B56 | | GT | DRUM SD OD READ CKT | | | 1.5+2 |
| 690 A2 | 22 | DY | 23 | B5 | | GT | DRUM SD OD READ CKT | | | 1.5+2 |
| 690 A3 | 20 | BG | 23 | B56 | | GT | AXD AMC-D INDEX READ CKT | | 1-2.1+2 | |
| 690 A3 | 20 | BH | 23 | B56 | | GT | AXD AME-F INDEX READ CKT | | 1-2.1+2 | |
| 690 A3 | 20 | BJ | 23 | B56 | | GT | AXD AMG-H INDEX READ CKT | | 1-2.1+2 | |
| 690 A3 | 22 | AF | 2 | B5 | | GT | DRUM IC INDEX CHAN READ CKT | | 1.6+1 | |
| 690 A3 | 22 | DC | 3 | B6 | | GT | DRUM XTEL STATUS CNTRL | | 1.3+6 | |
| 690 A3 | 22 | DD | 39 | B6G7 | | GT | DRUM XTEL STATUS CNTRL | | 1.3+6 | |
| 690 A3 | 22 | DC | 2 | B5 | | GT | DRUM SPARE XTEL STATUS READ CKT | | 1.3+6 | |
| 690 A3 | 22 | DD | 2 | B5 | | GT | DRUM SPARE XTEL MARKER READ CKT | | 1.3+6 | |
| 690 A3 | 22 | FB | 23 | B56 | | GT | DRUM OB-1 STATUS CHAN READ CKT | | 1.4+1 | |
| 690 A3 | 22 | FC | 23 | B56 | | GT | DRUM OB-2 STATUS CHAN READ CKT | | 1.4+1 | |
| 690 A3 | 22 | FD | 23 | B56 | | GT | DRUM OB-3 STATUS CHAN READ CKT | | 1.4+1 | |
| 690 A3 | 22 | BC | 23 | B56 | | GT | DRUM XTEL STATUS READ CKT | | 1.3+5 | |
| 690 A3 | 22 | BD | 239 | B56G7 | | GT | DRUM XTEL MARKER CHAN READ CKT | | 1.3+5 | |
| 690 A3 | 22 | CD | 23 | B56 | | GT | DRUM MI STATUS READ CKT | | 1.3+1 | |
| 690 A3 | 22 | FE | 23 | B56 | | GT | DRUM LRI-1 STATUS READ CKT | | 1.3+3 | |
| 690 A3 | 22 | FF | 23 | B56 | | GT | DRUM LRI-2 STATUS READ CKT | | 1.3+4 | |
| 690 A3 | 22 | FG | 23 | B56 | | GT | DRUM GFI STATUS READ CKT | | 1.3+2 | |
| 690 A3 | 22 | FK | 2 | B5 | | GT | DRUM AMA INDEX CHAN READ CKT | | 1.1+2 | |
| 690 A3 | 22 | FK | 3 | B6 | | GT | DRUM AMB INDEX CHAN READ CKT | | 1.1+2 | |
| 690 A3 | 22 | FM | 23 | B56 | | GT | DRUM LOG INDEX CHAN READ CKT | | 1.1+2 | |
| 690 A3 | 22 | FP | 23 | B56 | | GT | DRUM MIXD INDEX CHAN READ CKT | | 1.1+2 | |
| 690 A3 | 22 | FS | 23 | B56 | | GT | DRUM TD INDEX CHAN READ CKT | | 1.1+2 | |
| 690 A3 | 22 | FU | 23 | B56 | | GT | DRUM RD INDEX CHAN READ CKT | | 1.1+2 | |
| 690 A4 | 21 | EX | 4 | D6 | | PA | DRUM AMA TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EX | 5 | G5 | | PA | DRUM AMB TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EL | 16 | B5G5 | | PA | DRUM TD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EM | 16 | B5G5 | | PA | DRUM TD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EX | 6 | G6 | | PA | DRUM TD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | DY | 38 | B6G6 | | GT | DRUM TD TIMING CKT | | 1.5+1 | |
| 690 A4 | 21 | ER | 18 | B5G7 | | GT | DRUM TD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EY | 38 | B6G6 | | GT | DRUM TD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EN | 16 | B5G5 | | PA | DRUM RD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EP | 16 | B5G5 | | PA | DRUM RD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EX | 78 | G67 | | PA | DRUM RD TIMING CKT | | 001.1+2 | |
| 690 A4 | 21 | ER | 3567 | D5G56 | | GT | DRUM RD TIMING CKT | | 001.1+2 | |
| 690 A4 | 21 | ER | 24 | B6D6 | | GT | DRUM RD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | ES | 38 | B6G6 | | GT | DRUM RD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | ET | 38 | B6G6 | | GT | DRUM RD TIMING CKT | | 1.5+1 | |
| 690 A4 | 21 | EG | 16 | B5G5 | | PA | DRUM LOG TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EH | 16 | B5G5 | | PA | DRUM LOG TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EJ | 16 | B5G5 | | PA | DRUM MIXD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EK | 16 | B5G5 | | PA | DRUM MIXD TIMING CKT | | 1.1+2 | |
| 690 A4 | 21 | EX | 123 | B5G5D5 | | PA | DRUM MIXD TIMING CKT | | 1.1+2 | |
| 690 A4 | 22 | HF | 17 | B5G6 | | PA | DRUM LOG TIMING CKT | | 1.1+2 | |
| 690 A4 | 22 | HN | 17 | B5G6 | | PA | DRUM MUXED TIMING CKT | | 1.2+2 | |
| 690 A4 | 22 | GC | 6 | D6 | | PA | DRUM CD WRITE CKT CNTRL | | 1.2+1 | |
| 690 B1 | 21 | EF | 124-7 | B56D6G56 | | PA | DRUM AMA-AMB TIMING CKT | | 1.1+2 | |
| 690 B1 | 21 | EG | 249 | B6D6G7 | | BPA | DRUM LOG TIMING CKT | | 1.1+2 | |
| 690 B1 | 21 | EH | 249 | B6D6G7 | | BPA | DRUM LOG TIMING CKT | | 1.1+2 | |
| 690 B1 | 21 | EJ | 249 | B6D6G7 | | BPA | DRUM MIXD TIMING CKT | | 1.1+2 | |
| 690 B1 | 21 | EK | 249 | B6D6G7 | | BPA | DRUM MIXD TIMING CKT | | 1.1+2 | |
| 690 B1 | 21 | EL | 249 | B6D6G7 | | BPA | DRUM TD TIMING CKT | | 1.1+2 | |
| 690 B1 | 21 | EM | 249 | B6D6G7 | | BPA | DRUM TD TIMING CKT | | 1.1+2 | |
| 690 B1 | 21 | EN | 249 | B6D6G7 | | BPA | DRUM RD TIMING CKT | | 1.1+2 | |
| 690 B1 | 21 | EP | 249 | B6D6G7 | | BPA | DRUM RD TIMING CKT | | 1.1+2 | |
| 690 B4 | 21 | DD | 7 | G5 | | BPA | DRUM TD OD READ CNTRL | | 1.5+1 | |
| 690 B4 | 21 | FK | 6 | D6 | | BPA | DRUM CD READ-WRITE CNTRL | | 1.2+1 | |
| 690 B4 | 21 | FL | 9 | G7 | | BPA | DRUM CD READ-WRITE CNTRL | | 1.7+2 | |
| 690 B4 | 21 | FL | 1258 | B5G5G7 | | BPA | DRUM CD READ-WRITE CNTRL | | 1.2+1 | |
| 690 B4 | 21 | FL | 347 | D5G66 | | BPA | DRUM CD READ WRT CNTRL | | S-1.6+1 | |
| 690 B4 | 21 | GW | 4 | D5 | | BPA | DRUM CD TIMING PULSE DISTRIB | | 1.2+1 | |
| 690 B4 | 21 | KN | 2 | B6 | | BPA | DRUM MANUAL TEST CHECK CNTRL | | 1.7+2 | |
| 690 B4 | 21 | LU | 6 | G6 | | BPA | DRUM APC ALARM RESET | | 001.2+3 | |
| 690 B4 | 21 | FL | 6 | G6 | | BPA | DRUM XTL-1 OR 2 READ SAMPLE | | 001.3.5 | |
| 690 B5 | 21 | GY | 8 | G6 | | BPA | DRUM DE-SELECT | | 1.1+2 | |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|-----|-----|----|----|----------------|---------------------------------|-------------------------------------|------|----------|---------|
| 690 | B5 | 21 | GY | 3 | B6 | GT DRUM CD SELECT REG DESELECT | | | 1.1.1 |
| 690 | C1 | 20 | BL | 2-9 | B6D6 | TPG AXD AMC TIMING PULSE GEN | | | 1-2.1.2 |
| 690 | C1 | 20 | BM | 2-9 | B6D4 | TPG AXD AMD TIMING PULSE GEN | | | 1-2.1.2 |
| 690 | C1 | 20 | BN | 2-9 | B6D6 | TPG AXD AME TIMING PULSE GEN | | | 1-2.1.2 |
| 690 | C1 | 20 | BP | 2-9 | B6D6 | TPG AXD AMF TIMING PULSE GEN | | | 1-2.1.2 |
| 690 | C1 | 20 | BR | 2-9 | B6D6 | TPG AXD AMG TIMING PULSE GEN | | | 1-2.1.2 |
| 690 | C1 | 20 | BS | 2-9 | B6D6 | TPG AXD AMH TIMING PULSE GEN | | | 1-2.1.2 |
| 690 | C1 | 22 | FJ | 2-9 | B6D6 | TPG DRUM AMA TIMING CHANNEL | | | 1.1.2 |
| 690 | C1 | 22 | FL | 2-9 | B6D6 | TPG DRUM AMB TIMING CHANNEL | | | 1.1.2 |
| 690 | C1 | 22 | FN | 2-9 | B6D6 | TPG DRUM LOG TIMING CKT | | | 1.1.2 |
| 690 | C1 | 22 | FR | 2-9 | B6D6 | TPG DRUM MIXD TIMING CHANNEL | | | 1.1.2 |
| 690 | C1 | 22 | FT | 2-9 | B6D6 | TPG DRUM TD TIMING CHAN CD READ CKT | | | 1.1.2 |
| 690 | C1 | 22 | FV | 2-9 | B6D6 | TPG DRUM RD TIMING CHAN CD READ CKT | | | 1.1.2 |
| 690 | D1 | 20 | CC | 6 | D6 | PA AXD ACD WRITE CONTROL | | | 1-2.2.1 |
| 690 | D1 | 20 | FN | 12 | B6D6 | PA AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| 690 | D1 | 20 | FU | 27 | D6G7 | PA AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| 690 | D: | 20 | FU | 9 | G5 | ADD AXD ACD ADR NO COMPARE | | | 1-2.2.1 |
| 690 | D1 | 20 | FR | 8 | G6 | GT AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| 690 | D1 | 20 | FW | 9 | G7 | GT AXD ACD READ WRITE CNTRL | | | 1-2.1.1 |
| 690 | D1 | 20 | FV | 169 | B5D6G7 | GT AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| 690 | D1 | 21 | FC | 123 | B6D6G6 | PA DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| 690 | D1 | 21 | FD | 34 | B6 | GT DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| 690 | D1 | 21 | FJ | 169 | B5D6G7 | GT DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| 690 | D1 | 21 | DD | 8 | G6 | GT DRUM XTEL CD READ WRITE CNTRL | | | 1.3.5 |
| 690 | D1 | 21 | FM | 27 | D6G7 | PA DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| 690 | D2 | 21 | AC | 2468 | B5D6G56 | GT DRUM DD OD READ CNTRL | | | 1.5.3 |
| 690 | D2 | 21 | AD | 6 | D6 | GT DRUM DD OD READ CNTRL | | | 1.5.3 |
| 690 | D2 | 21 | AE | 3 | B6 | GT DRUM DD OD READ CNTRL | | | 1.5.3 |
| 690 | D2 | 21 | AF | 1 | B6 | GT DRUM OB OD FIELD SELECT CNTRL | | | 1.4.1 |
| 690 | D2 | 21 | AR | 1 | B6 | GT DRUM OB OD FIELD SELECT CNTRL | | | 1.4.1 |
| 690 | D2 | 21 | AG | 24 | D6G5 | GT DRUM OB OD READ CNTRL | | | 1.4.1 |
| 690 | D2 | 21 | DC | 345 | D6G67 | GT DRUM TD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DD | 4 | D5 | GT DRUM TD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DE | 1 | B5 | GT DRUM TD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DE | 4 | D6 | GT DRUM TD OD READ CNTRL | | | 1.5.2 |
| 690 | D2 | 21 | DF | 39 | B6G6 | GT DRUM TD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DH | 257 | B5G57 | GT DRUM TD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DK | 4 | D6 | GT DRUM RD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DL | 16-9 | B5D6G567 | GT DRUM RD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DM | 3 | D6 | GT DRUM RD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DN | 257 | B6G57 | GT DRUM RD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DS | 234 | B6D56 | GT DRUM RD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DT | 7 | G7 | GT DRUM RD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DU | 4 | D5 | GT DRUM RD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DV | 345 | B6D6G5 | GT DRUM RD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DW | 78 | G67 | GT DRUM RD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | DX | 39 | B6G6 | GT DRUM RD OD READ CNTRL | | | 1.5.1 |
| 690 | D2 | 21 | RN | 568 | G567 | GT DRUM IC OD READ CNTRL CKT | | | S-1.6.1 |
| 690 | D2 | 21 | MT | 2-5 | B6D56G5 | GT DRUM SD OD READ CNTRL | | | 1.5.2 |
| 690 | D2 | 22 | MX | 1 | B6 | GT DRUM RI OD REL TIME CNTR | | | 1.3.2 |
| 690 | D2 | 22 | NY | 125 | B5G65 | GT DRUM RI OD REL TIME CNTR | | | 1.3.2 |
| 690 | D2 | 21 | PH | 8 | G7 | GT DRUM CD DISCON CTR CRY EVEN BIT | | | 1.3.1 |
| 690 | D2 | 22 | NL | 23457 | B6D56G6 | GT DRUM GFI REL TIME CNTR | | | 1.3.2 |
| 690 | D2 | 21 | PH | 8 | G7 | GT DRUM CD DISCON CTR CRY EVEN BIT | | | 1.3.1 |
| 690 | D2 | 21 | RP | 3 | G6 | ADD IC OTHER COMPARE | | | 1.8.3 |
| 690 | D2 | 21 | RP | 2 | D6 | PA IC OTHER COMPARE | | | 1.8.3 |
| 690 | D2 | 21 | RP | 1 | B6 | GT MANUAL TEST | | | 1.8.3 |
| 690 | D4 | 21 | GW | 2 | B5 | GT STEP RD-TD FIELD CTR | | | 1.7.2 |
| 690 | D4 | 20 | FW | 4 | D5 | PA AXD COMPARE ADDRESSABLE | | | 1-2.2.1 |
| 690 | D4 | 20 | FM | 18 | B5G6 | PA AXD TEST APC END CARRY | | | 1-2.2.1 |
| 690 | D4 | 20 | BT | 236-9 | B6D5G67 | GT AXD TIMING PULSE DISTRIBUTOR | | | 1-2.1.2 |
| 690 | D4 | 20 | BU | 236-9 | B6D5G67 | GT AXD TIMING PULSE DISTRIBUTOR | | | 1-2.1.2 |
| 690 | D4 | 20 | FL | 18 | B5G6 | PA AXD TIMING PULSE DISTRIBUTOR | | | 1-2.1.2 |
| 690 | D4 | 20 | JG | 148 | B5D6G7 | PA AXD TIMING PULSE DISTRIBUTOR | | | 1-2.2.1 |
| 690 | D4 | 20 | JG | 9 | G7 | PA AXD TIMING PULSE DISTRIBUTOR | | | 1-2.2.3 |
| 690 | D4 | 20 | KC | 148 | B5D6G7 | PA AXD TIMING PULSE DISTRIBUTOR | | | 1-2.2.1 |
| 690 | D4 | 21 | VF | 18 | B5G6 | PA DRUM MANUAL TEST TPD | | | 1.7.2 |
| 690 | D4 | 21 | FY | 18 | B5G6 | PA DRUM CD TIMING PULSE DISTRIB | | | 1.1.2 |
| 690 | D4 | 21 | FN | 123 | B5D5 | GT DRUM CD TIMING PULSE DISTRIB | | | 1.8.3 |
| 690 | D4 | 21 | GT | 15-9 | B5G567 | GT DRUM CD TIMING PULSE DISTRIB | | | 1.1.2 |
| 690 | D4 | 21 | GU | 23467886D56G67 | GT DRUM CD TIMING PULSE DISTRIB | | | | 1.1.2 |
| 690 | D4 | 21 | GU | 9 | G7 | GT DRUM CD TIMING PULSE DISTRIB | | | 1.7.2 |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|----------|------|----------------------------------|------|----------|---------|
| 690 | D4 | 21 | GV | 1-5 | B56D56G5 | GT | DRUM CD TIMING PULSE DISTRIB | | | 1.2.1 |
| 690 | D4 | 21 | GV | 6789 | G67 | GT | DRUM CD TIMING PULSE DISTRIB | | | 1.1.2 |
| 690 | E1 | 21 | AM | 1 | B6 | GT | LOG OD-IX 08 FLD SW CTR 1-2 | | | 1.4.1 |
| 690 | E1 | 21 | AN | 258 | B6G57 | GT | DRUM OB-1,2,3 CD ERROR STATUS | | | 1.7.1 |
| 690 | E1 | 21 | AK | 1 | B6 | GT | DRUM OB CD ERROR STATUS | | | 1.4.1 |
| 690 | E1 | 21 | AM | 1 | B6 | GT | DRUM RD OD INDEX | | | 1.4.1 |
| 690 | E1 | 21 | AN | 13 | B5D5 | GT | DRUM OB-1 CD STATUS CNTRL | | | 1.4.1 |
| 690 | E1 | 21 | AN | 46 | D6G6 | GT | DRUM OB-2 CD STATUS CNTRL | | | 1.4.1 |
| 690 | E1 | 21 | AN | 789 | G67 | GT | DRUM OB-3 CD STATUS CNTRL | | | 1.4.1 |
| 690 | E1 | 21 | AS | 2 | B6 | GT | DRUM CD FIELD 6 REG SW CNTRL | | | 1.4.1 |
| 690 | E1 | 21 | AT | 7 | G6 | GT | DRUM CD FIELD 6 REG SW CNTRL | | | 1.4.1 |
| 690 | E1 | 21 | FR | 789 | G67 | GT | DRUM MI CD STATUS CNTRL CKT | | | 1.3.1 |
| 690 | E1 | 21 | FT | 789 | G67 | GT | DRUM GFI CD STATUS CNTRL | | | 1.3.2 |
| 690 | E1 | 21 | FT | 123 | B56D5 | GT | DRUM LRI-1 CD STATUS CNTRL CKT | | | 1.3.3 |
| 690 | E1 | 21 | FT | 456 | D6G56 | GT | DRUM LRI-2 CD STATUS CNTRL CKT | | | 1.3.4 |
| 690 | E1 | 21 | FR | 456 | D6G56 | GT | DRUM XTL CD MARKER STAT CTRL | | | 1.3.5 |
| 690 | E1 | 21 | FR | 123 | B56D5 | GT | DRUM XTEL CD MARKER STATUS CNTRL | | | 1.3.6 |
| 690 | E1 | 21 | GW | 9 | G7 | GT | DRUM DISCONNECT | | | 1.3.1 |
| 690 | E1 | 21 | LF | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1.8.2 |
| 690 | E1 | 21 | LF | 8 | G7 | GT | DRUM XTEL CD STATUS CNTRL | | | 1.3.6 |
| 690 | E1 | 21 | PC | 68 | G56 | GT | DRUM STEP DISC CNTR | | | 1.3.1 |
| 690 | E1 | 21 | CX | 289 | B6G7 | GT | DRUM LRI 162 SP XTL NORM/STAT | | | 1.2.1 |
| 690 | E2 | 20 | JJ | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | JK | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | JL | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | JM | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | JN | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | JP | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | JR | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | JS | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | JT | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | JU | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | JV | 147 | B5D5G6 | GT | AXD AMC-D-E APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KE | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KF | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KG | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KH | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KJ | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KK | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KL | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KM | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KN | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KP | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KR | 147 | B5D5G6 | GT | AXD AMF-G-H APC READOUT | | | 1-2.2.3 |
| 690 | E2 | 20 | KS | 26 | B6G6 | GT | AXD AMC-D APC ALARM | | | 1-2.2.3 |
| 690 | E2 | 20 | KT | 26 | B6G6 | GT | AXD AME-F APC ALARM | | | 1-2.2.3 |
| 690 | E2 | 20 | KU | 26 | B6G6 | GT | AXD AMG-H APC ALARM | | | 1-2.2.3 |
| 690 | E2 | 21 | AJ | 123 | B56D5 | GT | DRUM OB-1 OD STATUS CNTRL | | | 1.4.1 |
| 690 | E2 | 21 | AJ | 456 | D6G56 | GT | DRUM OB-2 OD STATUS CNTRL | | | 1.4.1 |
| 690 | E2 | 21 | PF | 8 | G7 | GT | DRUM CD DISCON CTR CRY ODD BIT | | | 1.3.1 |
| 690 | E2 | 21 | AJ | 789 | G67 | GT | DRUM OB-3 OD STATUS CNTRL | | | 1.4.1 |
| 690 | E2 | 21 | PG | 8 | G7 | GT | DRUM CD DISCON CTR CRY ODD BIT | | | 1.3.1 |
| 690 | E2 | 21 | BN | 8 | G7 | GT | DRUM LRI-1 FULL ALARM | | | 1.3.3 |
| 690 | E2 | 21 | BJ | 8 | G7 | GT | DRUM CD DISCON CTR CRY ODD BIT | | | 1.3.1 |
| 690 | E2 | 21 | BR | 8 | G7 | GT | DRUM LRI-2 FULL ALARM | | | 1.3.4 |
| 690 | E2 | 21 | BC | 8 | G7 | GT | DRUM XTEL FULL ALARM | | | 1.3.5 |
| 690 | E2 | 21 | BG | 8 | G7 | GT | DRUM MI FULL ALARM | | | 1.3.1 |
| 690 | E2 | 21 | BJ | 8 | G7 | GT | DRUM SP XTEL FULL ALARM | | | 1.3.6 |
| 690 | E2 | 21 | BH | 2376 | B6D5G6 | GT | DRUM MI OD STATUS CONTROL | | | 1.3.1 |
| 690 | E2 | 21 | BH | 4 | D6 | GT | DRUM MI OD STATUS CONTROL | | | 1.7.1 |
| 690 | E2 | 21 | BK | 2367 | B6D5G6 | GT | DRUM SP XTEL OD STATUS CNTRL | | | 1.3.6 |
| 690 | E2 | 21 | BK | 489 | D6G7 | GT | DRUM SP XTEL OD STATUS CNTRL | | | 1.7.1 |
| 690 | E2 | 21 | BL | 12 | B6D6 | GT | DRUM SP XTEL OD MARKER STATUS | | | 1.7.1 |
| 690 | E2 | 21 | BL | 8 | G7 | GT | DRUM SP XTEL OD STATUS CONTROL | | | 1.3.6 |
| 690 | E2 | 21 | BY | 4 | D6 | GT | DRUM GFI OD STATUS CNTRL | | | 1.7.1 |
| 690 | E2 | 21 | BP | 2367 | B6D5G6 | GT | DRUM LRI-1 OD STATUS CNTRL | | | 1.3.3 |
| 690 | E2 | 21 | BP | 49 | D6G7 | GT | DRUM LRI-1 OD STATUS CNTRL | | | 1.7.1 |
| 690 | E2 | 21 | BS | 39 | D5G7 | GT | DRUM LRI-2 OD STATUS CNTRL | | | 1.7.1 |
| 690 | E2 | 21 | BS | 246 | B6D6G6 | GT | DRUM LRI-2 OD STATUS CNTRL | | | 1.3.4 |
| 690 | E2 | 21 | BX | 8 | G6 | PA | DRUM LRI-2 OD STATUS CNTRL | | | 1.3.4 |
| 690 | E2 | 21 | BE | 8 | G7 | GT | DRUM XTEL OD STATUS CNTRL | | | 1.3.5 |
| 690 | E2 | 21 | BD | 23678 | B6D5G67 | GT | DRUM XTEL OD STATUS CNTRL | | | 1.3.5 |
| 690 | E2 | 21 | BD | 49 | D6G7 | GT | DRUM XTEL OD STATUS CNTRL | | | 1.7.1 |
| 690 | E2 | 21 | BE | 12 | B6D6 | GT | DRUM XTEL OD MARKER STATUS CNTRL | | | 1.7.1 |
| 690 | E2 | 21 | BS | 78 | G67 | GT | DRUM OD TEST CNTRLS | | | 1.8.1 |
| 690 | E2 | 21 | BU | 8 | G7 | GT | DRUM GFI FULL ALARM | | | 1.3.2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|--------------|------|--------------------------------|------|----------|---------|
| 690 | E2 | 21 | 8V | 2367 | B6D5G6 | GT | DRUM GF1 OD STATUS CNTRL | | | 1-2.3.2 |
| 690 | E2 | 21 | MD | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | ME | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | MF | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | MG | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | MH | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | MJ | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | HK | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | ML | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | NH | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | NN | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | MP | 147 | B5D5G6 | GT | DRUM MIXD AMA-B CD APC READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PE | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PF | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PG | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PH | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PJ | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PK | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PL | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PM | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PN | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PP | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PR | 14 | B5D5 | GT | DRUM RD6TD CD READOUT | | | 1-2.3 |
| 690 | E2 | 21 | PT | 6 | G6 | GT | DRUM AMA CD APC ALARM | | | 1-2.3 |
| 690 | E2 | 21 | PU | 2 | B6 | GT | DRUM AMB CD APC ALARM | | | 1-2.3 |
| 690 | E2 | 21 | PU | 6 | G6 | GT | DRUM TD CD APC ALARM | | | 1-2.3 |
| 690 | E2 | 21 | PV | 6 | G6 | GT | DRUM RD CD APC ALARM | | | 1-2.3 |
| 690 | E2 | 21 | RG | 14 | B5D5 | GT | DRUM IC APC OD READ OUT | | | S-1-6.1 |
| 690 | E2 | 21 | RH | 147 | B5D5G6 | GT | DRUM IC APC OD READ OUT | | | S-1-6.1 |
| 690 | E2 | 21 | RJ | 147 | B5D5G6 | GT | DRUM IC APC OD READ OUT | | | S-1-6.1 |
| 690 | E2 | 21 | RK | 147 | B5D5G6 | GT | DRUM IC APC OD READ OUT | | | S-1-6.1 |
| 690 | E2 | 21 | PL | 7 | G6 | GT | IC OTHER APC ERROR | | | S-1-6.1 |
| 690 | E2 | 21 | PM | 7 | G6 | GT | NOT MANUAL TEST | | | S-1-6.1 |
| 690 | E2 | 21 | PP | 7 | G6 | GT | NOT MANUAL TEST | | | 1-2.3 |
| 690 | E2 | 21 | PR | 7 | G6 | GT | MIXD APC ERROR | | | 1-2.3 |
| 690 | E2 | 21 | RL | 28 | B56 | GT | IC OTHER CHECK | | | S-1-6.1 |
| 690 | E2 | 21 | RL | 69 | G67 | GT | MIXD APC CHECK | | | S-1-6.1 |
| 690 | E2 | 21 | PE | 8 | G7 | GT | DRUM CD DISCON CARRY ODD BIT | | | 001-3.1 |
| | | | | | | | | | | |
| 690 | E4 | 20 | EL | 12 | B56 | GT | AXD MANUAL TEST 6 APC ALARM | | | 1-2-3.2 |
| 690 | E4 | 20 | ER | 136 | B5D6 | GT | AXD MANUAL TEST PATTERN CNTRL | | | 1-2-3.2 |
| 690 | E4 | 20 | ES | 6 | G5 | PA | AXD MANUAL TEST PATTERN CNTRL | | | 1-2-3.2 |
| 690 | E4 | 20 | EU | 36 | D6G7 | GT | AXD MANUAL TEST CHECK CNTRLS | | | 1-2-3.2 |
| 690 | E4 | 20 | EW | 16 | B5G5 | PA | AXD MANUAL TEST CHECK CNTRLS | | | 1-2-3.2 |
| 690 | E4 | 20 | EY | 5 | G5 | PA | AXD MANUAL TEST CHECK CNTRL | | | 1-2-3.2 |
| 690 | E4 | 21 | DJ | 5 | G7 | GT | DRUM TEST CONTROLS | | | 1-6.2 |
| 690 | E4 | 21 | DJ | 3 | D6 | GT | DRUM TEST CONTROLS | | | 1-6.2 |
| 690 | E4 | 21 | LF | 57 | G56 | GT | DRUM TEST CONTROLS | | | 1-6.1 |
| 690 | E4 | 21 | LF | 346 | D56G6 | GT | DRUM TEST CONTROLS | | | 1-6.2 |
| 690 | E4 | 21 | LF | 1 | B5 | GT | DRUM TEST CONTROLS | | | 1-6.1 |
| 690 | E4 | 21 | LF | 2 | B6 | GT | DRUM TEST CONTROLS | | | 1-6.1 |
| 690 | E4 | 21 | KH | 3478 | B6D6 | GT | DRUM MANL TEST READ WRT CTRL | | | 1-7.2 |
| 690 | E4 | 21 | KD | 8 | G6 | GT | DRUM MANL TEST READ WRT CTRL | | | 1-7.2 |
| 690 | E4 | 21 | KJ | 67 | G6 | GT | DRUM MANL TEST READ WRT CTRL | | | 1-7.1 |
| 690 | E4 | 21 | LU | 7 | G7 | PA | DRUM MANL TEST READ WRT CTRL | | | 1-2.3 |
| 690 | E4 | 21 | KJ | 19 | B6G5 | GT | DRUM MANL TEST READ WRT CTRL | | | 1-7.2 |
| 690 | E4 | 21 | KL | 36 | D6G7 | GT | DRUM MANL TEST CHECK CNTRL | | | 1-7.2 |
| 690 | E4 | 21 | KN | 16 | B5G5 | PA | DRUM MANL TEST CHECK CNTRL | | | 1-7.1 |
| 690 | E4 | 21 | KC | 1246 | B5D5G6G6 | PA | DRUM MANL TEST PATTERN CNTRL | | | 1-7.2 |
| 690 | E4 | 21 | KD | 2346 | B6D6 | GT | DRUM MANL TEST PATTERN CNTRL | | | 1-6.2 |
| 690 | E4 | 21 | KF | 1457 | B5G5G7 | GT | DRUM MANL TEST PATTERN CNTRL | | | 1-7.2 |
| 690 | E4 | 21 | KG | 6 | G5 | PA | DRUM MANL TEST PATTERN CNTRL | | | 1-7.2 |
| 690 | E4 | 21 | KC | 25 | B6G5 | PA | DRUM MANL TEST PATTERN CNTRL | | | 1-6.1 |
| 690 | E4 | 21 | KF | 2 | B6 | GT | DRUM MANL TEST PATTERN CNTRL | | | 1-6.1 |
| 690 | E4 | 21 | LV | 2 | B6 | GT | DRUM MANL TEST APC | | | 1-7.2 |
| 690 | E4 | 21 | LV | 5 | D6 | GT | DRUM MANL TEST APC | | | 1-6.2 |
| 690 | E4 | 21 | LV | 3 | B6 | GT | DRUM MANL TEST APC | | | 1-2.3 |
| 690 | E4 | 21 | LJ | 1-9 | B56D56G567GT | DRUM | TEST WRITE SWITCH | | | 1-6.1 |
| 690 | E4 | 21 | LK | 1-9 | B56D56G567GT | DRUM | TEST WRITE SWITCH | | | 1-6.1 |
| 690 | E4 | 21 | LL | 1-9 | B56D56G567GT | DRUM | TEST WRITE SWITCH | | | 1-6.1 |
| 690 | E4 | 21 | LM | 2-9 | B6D56G567GT | GT | DRUM TEST WRITE SWITCH | | | 1-6.1 |
| 690 | E4 | 21 | NC | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1-6.2 |
| 690 | E4 | 21 | ND | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1-6.2 |
| 690 | E4 | 21 | NE | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1-6.2 |
| 690 | E4 | 21 | NF | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1-6.2 |
| 690 | E4 | 21 | NG | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1-6.2 |
| 690 | E4 | 21 | NH | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1-6.2 |
| 690 | E4 | 21 | NJ | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1-6.2 |
| 690 | E4 | 21 | NK | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1-6.2 |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|-------------|------|--|------|----------|---------|
| 690 | E4 | 21 | NL | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1.8+2 |
| 690 | E4 | 21 | NM | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1.8+2 |
| 690 | E4 | 21 | NN | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1.8+2 |
| 690 | E4 | 21 | NP | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1.8+2 |
| 690 | E4 | 21 | NR | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1.8+2 |
| 690 | E4 | 21 | NS | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1.8+2 |
| 690 | E4 | 21 | NT | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1.8+2 |
| 690 | E4 | 21 | NU | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1.8+2 |
| 690 | E4 | 21 | NV | 9 | G7 | GT | DRUM TEST READ SWITCH | | | 1.8+2 |
| 690 | E4 | 21 | NW | 1-8 | B56D56G56GT | DRUM | TEST READ SWITCH | | | 1.8+2 |
| 690 | E4 | 21 | NY | 1-8 | B56D56G56GT | DRUM | TEST READ SWITCH | | | 1.8+2 |
| | | | | | | | | | | |
| 690 | F1 | 20 | EH | 49 | D6G7 | GT | AXD MANL TEST APC CRY EVEN BITS1-2.3+2 | | | |
| 690 | F1 | 20 | EN | 49 | D6G7 | GT | AXD MANL TEST APC CRY EVEN BITS1-2.3+2 | | | |
| 690 | F1 | 20 | EP | 49 | D6G7 | GT | AXD MANL TEST APC CRY EVEN BITS1-2.3+2 | | | |
| 690 | F1 | 20 | EJ | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY EVEN BIT 1-2.2+3 | | | |
| 690 | F1 | 20 | JH | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY EVEN BIT 1-2.2+3 | | | |
| 690 | F1 | 20 | JP | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY EVEN BIT 1-2.2+3 | | | |
| 690 | F1 | 20 | JS | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY EVEN BIT 1-2.2+3 | | | |
| 690 | F1 | 20 | JU | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY EVEN BIT 1-2.2+3 | | | |
| 690 | F1 | 20 | KF | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY EVEN BIT 1-2.2+3 | | | |
| 690 | F1 | 20 | KH | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY EVEN BIT 1-2.2+3 | | | |
| 690 | F1 | 20 | KK | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY EVEN BIT 1-2.2+3 | | | |
| 690 | F1 | 20 | KM | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY EVEN BIT 1-2.2+3 | | | |
| 690 | F1 | 20 | KP | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY EVEN BIT 1-2.2+3 | | | |
| 690 | F1 | 21 | AV | 15 | B5G5 | GT | DRUM CD+OB FLD SW CTR EVEN BITS | | | 1.4+1 |
| 690 | F1 | 21 | AU | 15 | B5G5 | GT | DRUM CD+OB FLD SW CTR EVEN BITS | | | 1.4+1 |
| 690 | F1 | 21 | LT | 167 | G6 | GT | DRUM MANL TEST READ WRT CTRL | | | 1.2+3 |
| 690 | F1 | 21 | LV | 1 | B5 | GT | DRUM MANUAL TEST APC | | | 1.7+2 |
| 690 | F1 | 21 | LW | 49 | D6G7 | GT | DRUM MANL TEST APC CRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | LX | 49 | D6G7 | GT | DRUM MANL TEST APC CRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | LY | 49 | D6G7 | GT | DRUM MANL TEST APC CRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | ME | 258 | B6D6G7 | GT | DRUM MIXD AMA-B CD APC EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | MG | 258 | B6D6G7 | GT | DRUM MIXD AMA-B CD APC EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | MJ | 258 | B6D6G7 | GT | DRUM MIXD AMA-B CD APC EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | ML | 258 | B6D6G7 | GT | DRUM MIXD AMA-B CD APC EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | MN | 258 | B6D6G7 | GT | DRUM MIXD AMA-B CD APC EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | PK | 8 | G7 | GT | DRUM CD DISCON CTR CRY EVEN BIT | | | 1.3+1 |
| 690 | F1 | 21 | PM | 8 | G7 | GT | DRUM CD DISCON CTR EVEN BIT | | | 1.3+1 |
| 690 | F1 | 21 | PP | 8 | G7 | GT | DRUM CD DISCON CTR CRY EVEN BIT | | | 1.3+1 |
| 690 | F1 | 21 | PF | 5 | D6 | GT | DRUM RD CD APC CARRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | PH | 5 | D6 | GT | DRUM RD CD APC CARRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | PK | 5 | D6 | GT | DRUM RD CD APC CARRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | PM | 5 | D6 | GT | DRUM RD CD APC CARRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | PP | 5 | D6 | GT | DRUM RD CD APC CARRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | PF | 2 | B6 | GT | DRUM TD CD APC CARRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | PH | 2 | B6 | GT | DRUM TD CD APC CARRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | PK | 2 | B6 | GT | DRUM TD CD APC CARRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | PM | 2 | B6 | GT | DRUM TD CD APC CARRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | PP | 2 | B6 | GT | DRUM TD CD APC CARRY EVEN BITS | | | 1.2+3 |
| 690 | F1 | 21 | RG | 2 | B6 | GT | DRUM IC OD APC CARRY EVEN BITS | | | S-1.6+1 |
| 690 | F1 | 21 | RH | 5 | D6 | GT | DRUM IC OD APC CARRY EVEN BITS | | | S-1.6+1 |
| 690 | F1 | 21 | RJ | 28 | B6G7 | GT | DRUM IC OD APC CARRY EVEN BITS | | | S-1.6+1 |
| 690 | F1 | 21 | RK | 5 | D6 | GT | DRUM IC OD APC CARRY EVEN BITS | | | S-1.6+1 |
| | | | | | | | | | | |
| 690 | F4 | 20 | EM | 27 | B6G6 | GT | AXD MANL TEST APC CARRY ODD BITV-2.3+2 | | | |
| 690 | F4 | 20 | EN | 27 | B6G6 | GT | AXD MANL TEST APC CARRY ODD BITV-2.3+2 | | | |
| 690 | F4 | 20 | EP | 27 | B6G6 | GT | AXD MANL TEST APC CARRY ODD BITV-2.3+2 | | | |
| 690 | F4 | 20 | EJ | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | JL | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | JN | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | JR | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | JT | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | JV | 258 | B6D6G7 | GT | AXD AMC-D-E APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | KE | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | KG | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | KJ | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | KL | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | KN | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 20 | KR | 258 | B6D6G7 | GT | AXD AMF-G-H APC CARRY ODD BIT 1-2.2+3 | | | |
| 690 | F4 | 21 | AU | 38 | B6G6 | GT | DRUM CD+OB FIELD SW CTR ODD BIT | | | 1.4+1 |
| 690 | F4 | 21 | AV | 38 | B6G6 | GT | DRUM CD+OB FIELD SW CTR ODD BIT | | | 1.4+1 |
| 690 | F4 | 21 | LW | 27 | B6G6 | GT | DRUM MANL TEST APC CRY ODD BITS | | | 1.2+3 |
| 690 | F4 | 21 | LX | 27 | B6G6 | GT | DRUM MANL TEST APC CRY ODD BITS | | | 1.2+3 |
| 690 | F4 | 21 | LY | 27 | B6G6 | GT | DRUM MANL TEST APC CRY ODD BITS | | | 1.2+3 |
| 690 | F4 | 21 | MD | 258 | B6D6G7 | GT | DRUM MIXD AMA-B CD APC ODD BITS | | | 1.2+3 |
| 690 | F4 | 21 | MF | 258 | B6D6G7 | GT | DRUM MIXD AMA-B CD APC ODD BITS | | | 1.2+3 |
| 690 | F4 | 21 | MH | 258 | B6D6G7 | GT | DRUM MIXD AMA-B CD APC ODD BITS | | | 1.2+3 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|--------|------|----------------------|-----------------|----------|-------|
| 690 | F4 | 21 | MK | 258 | 86D6G7 | GT | DRUM MIXD AMA-B | CD APC ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | MM | 258 | 86D6G7 | GT | DRUM MIXD AMA-B | CD APC ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | MP | 258 | 86D6G7 | GT | DRUM MIXD AMA-B | CD APC ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | PL | 8 | G7 | GT | DRUM CD DISCON CTR | CRY ODD BITS | 1.3.1 | |
| 690 | F4 | 21 | PN | 8 | G7 | GT | DRUM CD DISCON CTR | CRY ODD BITS | 1.3.1 | |
| 690 | F4 | 21 | PR | 8 | G7 | GT | DRUM CD DISCON CTR | CRY ODD BITS | 1.3.1 | |
| 690 | F4 | 21 | PE | 2 | 86 | GT | DRUM TD CD APC CARRY | ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | PJ | 2 | 86 | GT | DRUM TD CD APC CARRY | ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | PL | 2 | 86 | GT | DRUM TD CD APC CARRY | ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | PN | 2 | 86 | GT | DRUM TD CD APC CARRY | ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | PR | 2 | 86 | GT | DRUM TD CD APC CARRY | ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | PE | 5 | D6 | GT | DRUM RD CD APC CARRY | ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | PJ | 5 | D6 | GT | DRUM RD CD APC CARRY | ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | PL | 5 | D6 | GT | DRUM RD CD APC CARRY | ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | PN | 5 | D6 | GT | DRUM RD CD APC CARRY | ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | PR | 5 | D6 | GT | DRUM RD CD APC CARRY | ODD BITS | 1.2.3 | |
| 690 | F4 | 21 | RG | 5 | D6 | GT | DRUM IC OD APC CARRY | ODD BITS | 5-1.6.1 | |
| 690 | F4 | 21 | RH | 28 | 86G7 | GT | DRUM IC OD APC CARRY | ODD BITS | 5-1.6.1 | |
| 690 | F4 | 21 | RJ | 5 | D6 | GT | DRUM IC OD APC CARRY | ODD BITS | 5-1.6.1 | |
| 690 | F4 | 21 | RK | 28 | 86G7 | GT | DRUM IC OD APC CARRY | ODD BITS | 5-1.6.1 | |
| | | | | | | | | | | |
| -150 | A1 | 20 | FR | 13 | B7 | BFF | AXD ACD READ WRITE | CNTRL | 1-2.2.1 | |
| -150 | A1 | 20 | FS | 1 | B7 | BFF | AXD ACD READ WRITE | CNTRL | 1-2.2.1 | |
| -150 | A1 | 20 | FT | 18 | B7 | BFF | AXD ACD READ WRITE | CNTRL | 1-2.2.1 | |
| -150 | A1 | 21 | FE | 13 | B7 | BFF | DRUM CD READ-WRITE | CNTRL | 1.2.1 | |
| -150 | A1 | 21 | FF | 1 | B7 | BFF | DRUM CD READ-WRITE | CNTRL | 1.2.1 | |
| -150 | A1 | 21 | FG | 1 | B7 | BFF | DRUM CD READ-WRITE | CNTRL | 1.2.1 | |
| -150 | A1 | 21 | PC | 7 | D7 | BFF | DRUM CD READ-WRITE | CNTRL | 1.3.1 | |
| | | | | | | | | | | |
| -150 | A2 | 21 | AD | 147 | B7 | BFF | DRUM DD OD READ | CNTRL | 1.5.3 | |
| -150 | A2 | 21 | AE | 147 | B7 | BFF | DRUM DD OD READ | CNTRL | 1.5.3 | |
| -150 | A2 | 21 | DC | 8 | D7 | BFF | DRUM TD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | DE | 8 | D7 | BFF | DRUM TD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | DF | 147 | B7 | BFF | DRUM TD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | DG | 258 | D7 | BFF | DRUM TD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | DK | 6 | B7 | BFF | DRUM RD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | DM | 47 | D7 | BFF | DRUM RD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | DP | 258 | D7 | BFF | DRUM RD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | DR | 258 | D7 | BFF | DRUM RD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | DT | 3 | B7 | BFF | DRUM RD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | DW | 6 | B7 | BFF | DRUM RD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | DX | 147 | B7 | BFF | DRUM RD OD READ | CNTRL | 1.5.1 | |
| -150 | A2 | 21 | RN | 13 | B7 | BFF | DRUM IC OD READ | CNTRL | 5-1.6.1 | |
| | | | | | | | | | | |
| -150 | A4 | 20 | CE | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CF | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CG | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CH | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CJ | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CK | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CL | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CM | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CN | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CP | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CR | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CS | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CT | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CU | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CV | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CW | 12 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 20 | CX | 1 | B7 | BFF | AXD ACD WRITE | REG | 1-2.2.1 | |
| -150 | A4 | 22 | GE | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GF | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GG | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GH | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GJ | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GK | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GL | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GM | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GN | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GP | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GR | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GS | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GT | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |
| -150 | A4 | 22 | GU | 12 | B7 | BFF | DRUM CD WRITE | REG | 1.2.1 | |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------|---------------------------|--------|----------|-------|
| -150 | A4 | 22 | GV | 12 | B7 | BFF | DRUM CD WRITE REG | | | 1.2.1 |
| -150 | A4 | 22 | GW | 12 | B7 | BFF | DRUM CD WRITE REG | | | 1.2.1 |
| -150 | A4 | 22 | GX | 1 | B7 | BFF | DRUM CD WRITE REG | | | 1.2.1 |
| | | | | | | | | | | |
| -150 | A5 | 22 | JD | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JE | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JF | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JG | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JH | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JJ | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JK | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JL | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JM | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JN | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JP | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JR | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JS | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JT | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JU | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | JV | 12 | B7 | BFF | DRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -150 | A5 | 22 | KD | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KE | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KF | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KG | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KH | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KJ | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KK | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KL | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KM | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KN | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KP | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KR | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KS | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KT | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KU | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KV | 12 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | KW | 1 | B7 | BFF | DRUM MI OD WRITE CKT | | | 1.3.1 |
| -150 | A5 | 22 | LD | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | PARITY | | 1.3.3 |
| -150 | A5 | 22 | LE | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LF | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LG | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LH | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LJ | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LK | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LL | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LM | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LN | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LP | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LR | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LS | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LT | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LU | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | LV | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MD | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | ME | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MF | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MG | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MH | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MJ | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MK | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | ML | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MM | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MN | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MP | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MR | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MS | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MT | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MU | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MV | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | MW | 3 | B7 | BFF | DRUM LRI-162 OD WRITE CKT | | | 1.3.3 |
| -150 | A5 | 22 | ND | 12 | B7 | BFF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| -150 | A5 | 22 | NE | 12 | B7 | BFF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| -150 | A5 | 22 | NF | 12 | B7 | BFF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| -150 | A5 | 22 | NG | 12 | B7 | BFF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| -150 | A5 | 22 | NH | 12 | B7 | BFF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| -150 | A5 | 22 | NJ | 1 | B7 | BFF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| -150 | A5 | 22 | NN | 12 | B7 | BFF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| -150 | A5 | 22 | NP | 12 | B7 | BFF | DRUM GFI OD WRITE CKT | | | 1.3.2 |
| -150 | A5 | 22 | NR | 12 | B7 | BFF | DRUM GFI OD WRITE CKT | | | 1.3.2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|--------------------------------------|------|----------|---------|
| -150 | A5 | 22 | NS | 12 | 87 | BFF DRUM CFI OD WRITE CKT | | | 1.3+2 |
| -150 | A5 | 22 | NT | 12 | 87 | BFF DRUM GFI OD WRITE CKT | | | 1.3+2 |
| -150 | A5 | 22 | NU | 12 | 87 | BFF DRUM GFI OD WRITE CKT | | | 1.3+2 |
| -150 | A5 | 22 | NV | 12 | 87 | BFF DRUM GFI OD WRITE CKT | | | 1.3+2 |
| -150 | A5 | 22 | NW | 12 | 87 | BFF DRUM GFI OD WRITE CKT | | | 1.3+2 |
| -150 | A5 | 22 | NX | 12 | 87 | BFF DRUM GFI OD WRITE CKT | | | 1.3+2 |
| -150 | A5 | 22 | NJ | 2 | 87 | BFF DRUM GFI REL TIME CNTR WRITE CKT | | | 1.3+2 |
| -150 | A5 | 22 | NK | 12 | 87 | BFF DRUM GFI REL TIME CNTR WRITE CKT | | | 1.3+2 |
| -150 | A5 | 22 | NM | 12 | 87 | BFF DRUM GFI REL TIME CNTR WRITE CKT | | | 1.3+2 |
| -150 | A5 | 22 | PD | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PE | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PF | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PG | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PH | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PJ | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PK | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PL | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PM | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PN | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PP | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PR | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PS | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PT | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A5 | 22 | PV | 12 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | A6 | 22 | HC | 12 | 87 | BFF DRUM OB-1 STATUS CNTRL CKT | | | 1.4+1 |
| -150 | A6 | 22 | HD | 12 | 87 | BFF DRUM OB-2 STATUS CNTRL CKT | | | 1.4+1 |
| -150 | A6 | 22 | HE | 12 | 87 | BFF DRUM OB-3 STATUS CNTRL CKT | | | 1.4+1 |
| -150 | A6 | 22 | HH | 12 | 87 | BFF DRUM GFI STATUS CNTRL CKT | | | 1.3+2 |
| -150 | A6 | 22 | HJ | 12 | 87 | BFF DRUM LRI-1 STATUS CNTRL CKT | | | 1.3+3 |
| -150 | A6 | 22 | HK | 12 | 87 | BFF DRUM LRI-2 STATUS CNTRL CKT | | | 1.3+4 |
| -150 | A6 | 22 | HM | 12 | 87 | BFF DRUM MI STATUS CNTRL | | | 1.3+1 |
| -150 | A6 | 22 | HL | 12 | 87 | BFF DRUM XTEL STATUS CNTRL CKT | | | 1.3+5 |
| -150 | A6 | 22 | HR | 2 | 87 | BFF DRUM XTEL STATUS CNTRL | | | 1.3+6 |
| -150 | A6 | 22 | PW | 2 | 87 | BFF DRUM XTEL STATUS CNTRL | | | 1.3+6 |
| -150 | A6 | 22 | HR | 1 | 87 | BFF DRUM SPARE XTEL STATUS CNTRL | | | 1.3+6 |
| -150 | A6 | 22 | JW | 1 | 87 | BFF DRUM XTEL OD WRITE CKT | | | 1.3+5 |
| -150 | A6 | 22 | JW | 2 | 87 | BFF DRUM XTEL CD MARKER STATUS CNTRL | | | 1.3+5 |
| -150 | A6 | 22 | PW | 1 | 87 | BFF DRUM SP XT WRITE CKT | | | 1.3+6 |
| -150 | B1 | 20 | CD | 6-9 | D7 | AWDAAXD ACD WRITE CONTROL | | | 1-2.2+1 |
| -150 | B1 | 22 | GD | 6-9 | D7 | AWDADRU CD WRITE CKT | | | 1.2+1 |
| -150 | B1 | 22 | HG | 456 | D7 | BWDADRU LOG TIMING CKT | | | 1.1+2 |
| -150 | B1 | 22 | HP | 456 | D7 | BWDADRU MIXD TIMING CKT | | | 1.1+2 |
| -150 | B1 | 22 | JX | 456 | D7 | BWDADRU XTEL CD MARKER STATUS CNTRL | | | 1.3+5 |
| -150 | B1 | 22 | PX | 456 | D7 | BWDADRU XTEL STATUS CNTRL | | | 1.3+6 |
| -150 | B2 | 20 | BB | 456 | D7 | BWDAAXD TC 6 INDEX CHAN WRITE CKT | | | 1-2.3+3 |
| -150 | B2 | 22 | JC | 6-9 | D7 | AWDADRU XT OD DWD | | | 1.3+5 |
| -150 | B2 | 22 | KC | 6-9 | D7 | AWDADRU MI OD DWD | | | 1.3+1 |
| -150 | B2 | 22 | LC | 6-9 | D7 | AWDADRU LRI-2 OD DWD | | | 1.3+4 |
| -150 | B2 | 22 | MC | 6-9 | D7 | AWDADRU LRI-1 OD DWD | | | 1.3+3 |
| -150 | B2 | 22 | NC | 6-9 | D7 | AWDADRU GFI OD DWD | | | 1.3+2 |
| -150 | B2 | 22 | PC | 6-9 | D7 | AWDADRU SPARE XTEL OD DWD | | | 1.3+6 |
| -150 | B4 | 22 | GD | 6-9 | D8 | AWDBDRU CD WRITE CKT | | | 1.2+1 |
| -150 | B4 | 22 | HG | 456 | D8 | BWDBDRU LOG TIMING CKT | | | 1.1+2 |
| -150 | B4 | 22 | HP | 456 | D8 | BWDBDRU MIXD TIMING CKT | | | 1.1+2 |
| -150 | B4 | 22 | JX | 456 | D8 | BWDBDRU XTEL CD MARKER STATUS CNTRL | | | 1.3+5 |
| -150 | B4 | 22 | PX | 456 | D8 | BWDBDRU XTEL STATUS CNTRL | | | 1.3+6 |
| -150 | B4 | 20 | CD | 6-9 | D8 | AWDBAXD ACD WRITE CONTROL | | | 1-2.2+1 |
| -150 | B5 | 22 | JC | 6-9 | D8 | AWDBDRU XT OD DWD | | | 1.3+5 |
| -150 | B5 | 22 | KC | 6-9 | D8 | AWDBDRU MI OD DWD | | | 1.3+1 |
| -150 | B5 | 22 | LC | 6-9 | D8 | AWDBDRU LRI-2 OD DWD | | | 1.3+4 |
| -150 | B5 | 22 | MC | 6-9 | D8 | AWDBDRU LRI-1 OD DWD | | | 1.3+3 |
| -150 | B5 | 22 | NC | 6-9 | D8 | AWDBDRU GFI OD DWD | | | 1.3+2 |
| -150 | B5 | 22 | PC | 6-9 | D8 | AWDBDRU SPARE XTEL OD DWD | | | 1.3+6 |
| -150 | C1 | 20 | CD | 34 | 87 | AFF AXD ACD WRITE CONTROL | | | 1-2.2+1 |
| -150 | C1 | 22 | GD | 34 | 87 | AFF DRUM CD WRITE CKT | | | 1.2+1 |
| -150 | C1 | 22 | HG | 23 | 87 | AFF DRUM LOG TIMING CKT | | | 1.1+2 |
| -150 | C1 | 22 | HP | 23 | 87 | AFF DRUM MIXD TIMING CKT | | | 1.1+2 |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|--|------|----------|-------|
| -150 | C1 | 22 | JC | 34 | B7 | AFF DRUM XT OD WRITE PULSE STRETCHER | | 1.3.5 | |
| -150 | C1 | 22 | JX | 23 | B7 | AFF DRUM XTEL CD MARKER STATUS CNTRL | | 1.3.5 | |
| -150 | C1 | 22 | KC | 34 | B7 | AFF DRUM MI OD WRITE PULSE STRETCHER | | 1.3.1 | |
| -150 | C1 | 22 | LC | 34 | B7 | AFF DRUM LRI-2 OD WR PULSE STRETCHER | | 1.3.4 | |
| -150 | C1 | 22 | MC | 34 | B7 | AFF DRUM LRI-1 OD WR PULSE STRETCHER | | 1.3.3 | |
| -150 | C1 | 22 | NC | 34 | B7 | AFF DRUM GFI OD WRT PULSE STRETCHER | | 1.3.2 | |
| -150 | C1 | 22 | PC | 34 | B7 | AFF DRUM SPARE XTEL OD WRITE PS | | 1.3.6 | |
| -150 | C1 | 22 | PX | 23 | B7 | AFF DRUM XTEL STATUS CNTRL | | 1.3.6 | |
| -150 | C4 | 20 | FC | 258 | D7 | BFF AXD ACD SELECTION REG | | 1-2.1.1 | |
| -150 | C4 | 20 | FD | 258 | D7 | BFF AXD ACD SELECTION REG | | 1-2.1.1 | |
| -150 | C4 | 21 | GC | 258 | D7 | BFF DRUM CD SELECT REG | | 1.1.1 | |
| -150 | C4 | 21 | GD | 258 | D7 | BFF DRUM CD SELECT REG | | 1.1.1 | |
| -150 | D1 | 21 | BU | 137 | D7 | BFF GFI-OD STATUS & FULL REG | | 1.3.2 | |
| -150 | D1 | 21 | AK | 4 | B7 | BFF DRUM OB-1 CD STATUS CNTRL | | 1.4.1 | |
| -150 | D1 | 21 | BC | 137 | B7 | BFF DRUM XTEL OD STATUS CNTRL | | 1.3.3 | |
| -150 | D1 | 21 | AL | 4 | B7 | BFF DRUM OB-2 CD STATUS CNTRL | | 1.4.1 | |
| -150 | D1 | 21 | BE | 49 | B7 | BFF DRUM XTEL OD MARKER STATUS CNTRL | | 1.3.5 | |
| -150 | D1 | 21 | AM | 4 | B7 | BFF DRUM OB-3 CD STATUS CNTRL | | 1.4.1 | |
| -150 | D1 | 21 | BG | 137 | D7 | BFF DRUM MI OD STATUS CNTRL | | 1.3.1 | |
| -150 | D1 | 21 | BJ | 137 | B7 | BFF DRUM SP XTEL OD STATUS CNTRL | | 1.3.6 | |
| -150 | D1 | 21 | BL | 49 | B7 | BFF DRUM SP XTEL OD MARKER STATUS | | 1.3.6 | |
| -150 | D1 | 21 | BN | 137 | B7 | BFF DRUM LRI-1 OD STATUS CNTRL | | 1.3.3 | |
| -150 | D1 | 21 | BR | 137 | B7 | BFF DRUM LRI-2 OD STATUS CNTRL | | 1.3.4 | |
| -150 | D2 | 21 | AR | 79 | D7 | BFF DRUM CD FJELD & REG SW CNTRL | | 1.4.1 | |
| -150 | D2 | 21 | BY | 2378 | B7 | AFF DRUM LRI 162 SP XTAL NORM/STAT | | 1.2.1 | |
| -150 | D2 | 21 | AS | 8 | D7 | BFF DRUM CD FIELD & REG SW CNTRL | | 1.4.1 | |
| -150 | D4 | 20 | EC | 46 | B7 | BFF AXD MANUAL TEST CHECK REG | | 1-2.3.2 | |
| -150 | D4 | 20 | ED | 146 | B7 | BFF AXD MANUAL TEST CHECK REG | | 1-2.3.2 | |
| -150 | D4 | 20 | EE | 146 | B7 | BFF AXD MANUAL TEST CHECK REG | | 1-2.3.2 | |
| -150 | D4 | 20 | EF | 146 | B7 | BFF AXD MANUAL TEST CHECK REG | | 1-2.3.2 | |
| -150 | D4 | 20 | EG | 146 | B7 | BFF AXD MANUAL TEST CHECK REG | | 1-2.3.2 | |
| -150 | D4 | 20 | EH | 146 | B7 | BFF AXD MANUAL TEST CHECK REG | | 1-2.3.2 | |
| -150 | D4 | 20 | EJ | 146 | B7 | BFF AXD MANUAL TEST CHECK REG | | 1-2.3.2 | |
| -150 | D4 | 20 | EK | 146 | B7 | BFF AXD MANUAL TEST CHECK REG | | 1-2.3.2 | |
| -150 | D4 | 20 | EX | 8 | D7 | BFF AXD MANUAL TEST CHECK CNTRLS | | 1-2.3.2 | |
| -150 | D4 | 20 | ET | 37 | B7 | BFF AXD MANUAL TEST READ WRITE CNTRM-2.3.2 | | 1.5.2 | |
| -150 | D4 | 20 | EY | 8 | B7 | BFF AXD MANUAL TEST READ WRITE CNTRM-2.2.3 | | 1.5.2 | |
| -150 | D4 | 21 | DJ | 8 | D7 | BFF DRUM TEST CNTRLS | | 1.8.1 | |
| -150 | D4 | 21 | LE | 8 | D7 | BFF DRUM TEST CNTRLS | | 1.7.2 | |
| -150 | D4 | 21 | LE | 25 | D7 | BFF DRUM TEST CNTRLS | | 1.7.2 | |
| -150 | D4 | 21 | KP | 8 | D7 | BFF DRUM MANUAL TEST CHECK CNTRL | | 1.7.2 | |
| -150 | D4 | 21 | KR | 1469 | B7 | BFF DRUM MANUAL TEST CHECK REG | | 1.7.2 | |
| -150 | D4 | 21 | KS | 1469 | B7 | BFF DRUM MANUAL TEST CHECK REG | | 1.7.2 | |
| -150 | D4 | 21 | KT | 1469 | B7 | BFF DRUM MANUAL TEST CHECK REG | | 1.7.2 | |
| -150 | D4 | 21 | KU | 1469 | B7 | BFF DRUM MANUAL TEST CHECK REG | | 1.7.2 | |
| -150 | D4 | 21 | KV | 1469 | B7 | BFF DRUM MANUAL TEST CHECK REG | | 1.7.2 | |
| -150 | D4 | 21 | KW | 1469 | B7 | BFF DRUM MANUAL TEST CHECK REG | | 1.7.2 | |
| -150 | D4 | 21 | KX | 1469 | B7 | BFF DRUM MANUAL TEST CHECK REG | | 1.7.2 | |
| -150 | D4 | 21 | KY | 1469 | B7 | BFF DRUM MANUAL TEST CHECK REG | | 1.7.2 | |
| -150 | D4 | 21 | KJ | 5 | D7 | BFF DRUM MANL TEST READ WRT CTRL | | 1.7.1 | |
| -150 | D4 | 21 | LT | 1 | B7 | BFF DRUM MANL TEST READ WRT CTRL | | 1.3.3 | |
| -150 | D4 | 21 | LU | 8 | B7 | BFF DRUM MANL TEST READ WRT CTRL | | 1.2.3 | |
| -150 | D5 | 20 | FN | 67 | B7 | SS AXD ACD READ WRITE CNTRL | | 1-2.2.1 | |
| -150 | D5 | 20 | FP | 12 | B7 | SS AXD ACD READ WRITE CNTRL | | 1-2.2.1 | |
| -150 | D5 | 21 | FC | 67 | B7 | SS DRUM CD READ-WRITE CNTRL | | 1.2.1 | |
| -150 | D5 | 21 | FD | 12 | B7 | SS DRUM CD READ-WRITE CNTRL | | 1.2.1 | |
| -150 | D6 | 20 | EU | 8 | B7 | ABPGAXD MANUAL TEST CHECK CNTRLS | | 1-2.1.1 | |
| -150 | D6 | 20 | EU | 9 | B7 | ABPGAXD MANUAL TEST CHECK CNTRLS | | 1-2.2.3 | |
| -150 | D6 | 20 | EU | 1 | B7 | ABPGAXD MANUAL TEST CHECK CNTRLS | | 1-2.3.1 | |
| -150 | D6 | 20 | EY | 9 | D7 | ABPGAXD MANUAL TEST READ WRITE CNTRM-2.2.1 | | 1.2.3 | |
| -150 | D6 | 21 | KL | 9 | B7 | ABPGDRUM MANUAL TEST CHECK CNTRL | | 1.7.1 | |
| -150 | D6 | 21 | KL | 1 | B7 | ABPGDRUM MANUAL TEST CHECK CNTRL | | 1.1.1 | |
| -150 | D6 | 21 | KL | 8 | B7 | ABPGDRUM MANUAL TEST CHECK CNTRL | | 1.1.1 | |
| -150 | D6 | 21 | LU | 9 | D7 | ABPGDRUM MANUAL TEST READ WRT CTRL | | 1.2.1 | |
| -150 | E1 | 20 | FN | 89 | D7 | CFG AXD ACD READ WRITE CNTRL | | 1-2.2.1 | |
| -150 | E1 | 20 | FR | 2456 | D7 | CFG AXD ACD READ WRITE CNTRL | | 1-2.2.1 | |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-----------|------|--------------------------------------|------|----------|---------|
| -150 | E1 | 20 | FS | 2589 | D78 | CF6 AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| -150 | E1 | 20 | FT | 27 | D7 | CF6 AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| -150 | E1 | 21 | FC | 89 | D7 | CF6 DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| -150 | E1 | 21 | FE | 456 | D7 | CF6 DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| -150 | E1 | 21 | FE | 2 | D7 | CF6 DRUM CD READ-WRITE CNTRL | | | S-1.6.1 |
| -150 | E1 | 21 | FF | 2589 | D78 | CF6 DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| -150 | E1 | 21 | FG | 27 | D7 | CF6 DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| -150 | E1 | 21 | FP | 3 | D7 | CF6 DRUM READ BY STATUS | | | 1.3.1 |
| -150 | E1 | 21 | FP | 125 | D7 | CF6 DRUM READ BY STATUS | | | 1.3.3 |
| -150 | E1 | 21 | FP | 1 | D7 | CF6 DRUM READ BY STATUS | | | 1.3.4 |
| -150 | E1 | 21 | FP | 3 | D7 | CF6 DRUM READ BY STATUS | | | 1.3.1 |
| -150 | E1 | 21 | FP | 2 | D7 | CF6 DRUM READ BY STATUS | | | 1.3.6 |
| | | | | | | | | | |
| -150 | E2 | 21 | AD | 25 | D7 | CF6 DRUM DD OD READ CNTRL | | | 1.5.3 |
| -150 | E2 | 21 | AE | 25 | D7 | CF6 DRUM DD OD READ CNTRL | | | 1.5.3 |
| -150 | E2 | 21 | AF | 678 | 8707 | CF6 DRUM OB OD FIELD SELECT CNTRL | | | 1.4.1 |
| -150 | E2 | 21 | AG | 35 | D7 | CF6 DRUM OB OD READ CONTROL | | | 1.4.1 |
| -150 | E2 | 21 | DC | 67 | 87 | CF6 DRUM TD OD READ CNTRL | | | 1.5.1 |
| -150 | E2 | 21 | DE | 37 | 87 | CF6 DRUM TD OD READ CNTRL | | | 1.5.1 |
| -150 | E2 | 21 | DF | 258 | D7 | CF6 DRUM TD OD READ CNTRL | | | 1.5.1 |
| -150 | E2 | 21 | DG | 13467987 | | CF6 DRUM TD OD READ CNTRL | | | 1.5.1 |
| -150 | E2 | 21 | DK | 789 | D7 | CF6 DRUM RD OD READ CNTRL | | | 1.5.1 |
| -150 | E2 | 21 | DM | 89 | 87 | CF6 DRUM RD OD READ CNTRL | | | 1.2.1 |
| -150 | E2 | 21 | DM | 6 | 87 | CF6 DRUM RD OD READ CNTRL | | | 1.5.1 |
| -150 | E2 | 21 | DP | 13467987 | | CF6 DRUM RD OD READ CNTRL | | | 1.5.1 |
| -150 | E2 | 21 | DR | 13467987 | | CF6 DRUM RD OD READ CNTRL | | | 1.5.1 |
| -150 | E2 | 21 | DT | 56 | D7 | CF6 DRUM RD OD READ CNTRL | | | 1.5.1 |
| -150 | E2 | 21 | DX | 258 | D7 | CF6 DRUM RD OD READ CNTRL | | | 1.5.1 |
| -150 | E2 | 21 | DY | 6 | D7 | CF6 DRUM TD TIMING CKT | | | 1.5.1 |
| | | | | | | | | | |
| -150 | E4 | 20 | FC | 13467987 | | CF6 AXD ACD SELECTION REG | | | 1-2.1.1 |
| -150 | E4 | 20 | FD | 13467987 | | CF6 AXD ACD SELECTION REG | | | 1-2.1.1 |
| -150 | E4 | 21 | GC | 13467987 | | CF6 DRUM CD SELECT REG | | | 1.1.1 |
| -150 | E4 | 21 | GD | 13467987 | | CF6 DRUM CD SELECT REG | | | 1.1.1 |
| | | | | | | | | | |
| -150 | E5 | 21 | GX | 12 | 87 | I NO OD DRUMS SEL | | | 1.1.1 |
| -150 | E5 | 21 | GG | 1-46 | 87 | CF6 DRUM CD SELECT REG | | | 1.1.1 |
| -150 | E5 | 21 | GH | 1 | 87 | CF6 DRUM CD SELECT ENCODER | | | 1.1.1 |
| -150 | E5 | 21 | GJ | 13467887 | | CF6 DRUM CD SELECT ENCODER | | | 1.1.1 |
| -150 | E5 | 21 | GK | 1 | 87 | CF6 DRUM CD SELECT ENCODER | | | 1.1.1 |
| -150 | E5 | 21 | GL | 1 | 87 | CF6 DRUM CD SELECT ENCODER | | | 1.1.1 |
| -150 | E5 | 21 | GM | 24789 | D7 | CF6 DRUM CD SELECT ENCODER | | | 1.1.1 |
| -150 | E5 | 21 | GN | 24789 | D7 | CF6 DRUM CD SELECT ENCODER | | | 1.1.1 |
| -150 | E5 | 21 | KK | 1 | 87 | CF6 DRUM CD SELECT ENCODER | | | 1.1.1 |
| | | | | | | | | | |
| -150 | E6 | 20 | FE | 1-8 | 87 | CF6 AXD ACD SEL REG OCTAL ENCODER | | | 1-2.1.1 |
| -150 | E6 | 20 | FF | 1-478 | 87 | CF6 AXD ACD SEL REG OCTAL ENCODER | | | 1-2.1.1 |
| -150 | E6 | 21 | GE | 1-8 | 87 | CF6 DRUM CD SELECT REG | | | 1.1.1 |
| -150 | E6 | 21 | GF | 1-8 | 87 | CF6 DRUM CD SELECT REG | | | 1.1.1 |
| | | | | | | | | | |
| -150 | F1 | 21 | BC | 256 | D7 | CF6 DRUM XTEL OD STATUS CNTRL | | | 1.3.5 |
| -150 | F1 | 21 | BE | 356 | D7 | CF6 DRUM XTEL OD MARKER STATUS CNTRL | | | 1.3.5 |
| -150 | F1 | 21 | BG | 256 | 87 | CF6 DRUM MI OD STATUS CNTRL | | | 1.3.1 |
| -150 | F1 | 21 | BJ | 256 | D7 | CF6 DRUM SP XTEL OD STATUS CNTRL | | | 1.3.6 |
| -150 | F1 | 21 | BL | 356 | D7 | CF6 DRUM SP XTEL OD MARKER STATUS | | | 1.3.6 |
| -150 | F1 | 21 | BN | 256 | D7 | CF6 DRUM LRI-1 OD STATUS CNTRL | | | 1.3.3 |
| -150 | F1 | 21 | BY | 14569 | D7 | CF6 DRUM LRI 162 SP XTAL NORM/STAT | | | 1.2.1 |
| -150 | F1 | 21 | BR | 256 | D7 | CF6 DRUM LRI-2 OD STATUS CNTRL | | | 1.3.4 |
| -150 | F1 | 21 | BU | 256 | 87 | CF6 DRUM GFI OD STATUS CNTRL | | | 1.3.2 |
| -150 | F1 | 22 | MX | 23 | 87 | CF6 DRUM RI OD REL TIME CNTR | | | 1.3.2 |
| | | | | | | | | | |
| -150 | F2 | 21 | AM | 5 | D7 | CF OPERATE LRI | | | 1.3.3 |
| -150 | F2 | 21 | AM | 1 | D7 | CF MANUAL SEL OB-1-2-3 | | | 1.4.1 |
| -150 | F2 | 21 | AM | 2 | D7 | CF SD TEST | | | 1.8.2 |
| -150 | F2 | 21 | AM | 3 | D8 | CF LOG OD-IX OB FLD SW CTR 1-2 | | | 1.4.1 |
| -150 | F2 | 21 | AU | 6 | D7 | CF6 DRUM OB CD GAP CNTR | | | 1.4.1 |
| -150 | F2 | 21 | AV | 6 | D7 | CF6 DRUM OB OD GAP CNTR | | | 1.4.1 |
| -150 | F2 | 21 | AK | 7 | D7 | CF6 DRUM OB-1 CD STATUS CNTRL | | | 1.7.1 |
| -150 | F2 | 21 | AK | 35789 | D78 | CF6 DRUM OB-1 CD STATUS CNTRL | | | 1.4.1 |
| -150 | F2 | 21 | AL | 5789 | D78 | CF6 DRUM OB-2 CD STATUS CNTRL | | | 1.4.1 |
| -150 | F2 | 21 | AL | 7 | D7 | CF6 DRUM OB-2 CD STATUS CNTRL | | | 1.7.1 |
| -150 | F2 | 21 | AM | 235789D78 | | CF6 DRUM OB-3 CD STATUS CNTRL | | | 1.4.1 |
| -150 | F2 | 21 | AM | 3 | D8 | CF6 DRUM OB-3 CD STATUS CNTRL | | | 1.4.1 |
| -150 | F2 | 21 | AM | 7 | D7 | CF6 DRUM OB-3 CD STATUS CNTRL | | | 1.7.1 |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|--|------|-----------|-------|
| -150 | F2 | 21 | AS | 179 | 87 | CF6 DRUM CD FIELD 6 REG SW CNTRL | | 1.4.4.1 | |
| -150 | F2 | 21 | AR | 368 | 87 | CF6 DRUM CD FIELD 6 REG SW CNTRL | | 1.4.4.1 | |
| -150 | F2 | 21 | AR | 368 | 87 | CF6 DRUM OB OD FIELD SELECT CNTRL | | 1.4.4.1 | |
| -150 | F2 | 21 | FS | 2 | 07 | CF6 DRUM LRI-1 CD STATUS CNTRL CKT | | 1.3.3.3 | |
| -150 | F2 | 21 | FS | 35 | 07 | CF6 DRUM LRI-2 CD STATUS CNTRL CKT | | 1.3.3.4 | |
| -150 | F2 | 21 | FS | 1 | 07 | CF6 DRUM LRI-2 CD STATUS CONTROL CKT | | 1.1.1.1 | |
| -150 | F2 | 21 | FS | 1 | 07 | CF6 DRUM LRI-2 CD STATUS CONTROL CKT | | 1.1.1.2 | |
| -150 | F2 | 21 | FS | 3 | 07 | CF6 DRUM LRI-1 CD STATUS CONTROL CKT | | 1.3.3.2 | |
| -150 | F2 | 21 | GM | 1359 | 87 | CF6 DRUM CD SELECT ENCODER | | 1.1.1.1 | |
| -150 | F2 | 21 | GM | 1359 | 87 | CF6 DRUM CD SELECT ENCODER | | 1.1.1.1 | |
| -150 | F2 | 21 | FS | 2 | 07 | CF6 DRUM TEST NOT ERROR | | 1.1.7.2 | |
| -150 | F2 | 21 | PC | 4 | 87 | CF6 DRUM STEP DISC CNTR | | 1.3.1.1 | |
| -150 | F2 | 21 | PC | 9 | 87 | CF6 DRUM STEP DISC CNTR | | 1.3.3.3 | |
| -150 | F2 | 21 | PC | 9 | 87 | CF6 DRUM STEP DISC CNTR | | 1.3.3.5 | |
| -150 | F4 | 20 | ET | 456 | 07 | CF6 AXD MANUAL TEST READ WRITE CNTRM-2.3.2 | | 1.7.1.1 | |
| -150 | F4 | 21 | KJ | 23 | 87 | CF6 DRUM MANL TEST READ WRT CTRL | | 1.1.1.1 | |
| -150 | F4 | 21 | LC | 58 | 07 | CF6 DRUM TEST CNTRL | | 1.8.2.2 | |
| -150 | F4 | 21 | LC | 23 | -07 | CF6 DRUM TEST CNTRL | | 1.8.3.3 | |
| -150 | F4 | 21 | LC | 7 | 07 | CF6 DRUM TEST CNTRL | | 1.7.2.2 | |
| -150 | F4 | 21 | LE | 1346 | 87 | CF6 DRUM TEST CNTRL | | 1.8.0.1 | |
| -150 | F4 | 21 | LE | 79 | 87 | CF6 DRUM TEST CNTRL | | 1.2.3.2 | |
| -150 | F4 | 20 | FY | 3 | 07 | CF6 AXD TEST CONTROLS | | 1.7.1.1 | |
| -150 | F4 | 21 | LD | 1 | 87 | CF6 DRUM TEST CNTRL | | 1.8.0.1 | |
| -150 | F4 | 21 | LD | 25-9 | 87 | CF6 DRUM TEST CNTRL | | | |
| -300 | A1 | 20 | AC | 4-8 | 07 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AD | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AE | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AF | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AG | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AH | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AJ | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AK | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AL | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AM | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AN | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AP | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AR | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AS | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AT | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AU | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 20 | AV | 4-8 | 078 | DRA AXD ACD INFO READ CKT | | 1-2.2.2.2 | |
| -300 | A1 | 22 | EC | 4-8 | 07 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | ED | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EE | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EF | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EG | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EH | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EJ | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EK | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EL | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EM | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EN | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EP | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | ER | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | ES | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | ET | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EU | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A1 | 22 | EV | 4-8 | 078 | DRA DRUM CD READ CKT | | 1.2.2.2 | |
| -300 | A2 | 22 | AF | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AG | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AH | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AJ | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AK | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AL | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AM | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AN | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AP | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AR | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AS | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AT | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AU | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AV | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AW | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |
| -300 | A2 | 22 | AX | 4-8 | 078 | DRA DRUM IC OD READ CKT | | S-1.6.6.1 | |

| V C-L FR PU TUBES PINS | | | | | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------------------------|-------|-----|-----|--|--------------------------------------|------|----------|---------|
| -300 A2 | 22 AY | 4-8 | D78 | | DRA DRUM IC OD READ CKT | | | S-1.6.1 |
| -300 A2 | 22 BF | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BG | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BH | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BJ | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BK | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BL | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BM | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BN | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BP | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BR | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BS | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BT | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BU | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BV | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BW | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BX | 4-8 | D78 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 BY | 4-8 | D7 | | DRA DRUM DD OD READ CKT | | | 1.5.3 |
| -300 A2 | 22 CF | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CG | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CH | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CJ | 4-8 | D78 | | DRA DRUM CB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CK | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CL | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CM | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CN | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CP | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CR | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CS | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CT | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CU | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CV | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CW | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CX | 4-8 | D78 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 CY | 4-8 | D7 | | DRA DRUM OB OD READ CKT | | | 1.4.1 |
| -300 A2 | 22 DF | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DG | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DH | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DJ | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DK | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DL | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DM | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DN | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DP | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DR | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DS | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DT | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DU | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DV | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DW | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DX | 4-8 | D78 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| -300 A2 | 22 DY | 4-8 | D7 | | DRA DRUM SD OD READ CKT | | | 1.5.2 |
| | | | | | | | | |
| -300 A3 | 22 BC | 4-8 | D8 | | DRA DRUM XTEL CD MARKER | | | 1.3.5 |
| -300 A3 | 22 BC | 4-8 | D7 | | DRA DRUM XTEL OD STATUS READ CKT | | | 1.3.5 |
| -300 A3 | 22 BD | 4-8 | D7 | | DRA DRUM XTEL OD MARKER CHAN RUS CKT | | | 1.3.5 |
| -300 A3 | 22 BD | 4-8 | D8 | | DRA DRUM XTEL CD MARKER STATUS CNTRL | | | 1.3.5 |
| -300 A3 | 22 CD | 4-8 | D7 | | DRA DRUM MI OD STATUS READ CKT | | | 1.3.1 |
| -300 A3 | 22 CD | 4-8 | D8 | | DRA DRUM MI CD STATUS READ CKT | | | 1.3.1 |
| -300 A3 | 22 DC | 4-8 | D8 | | DRA DRUM XTEL STATUS CNTRL | | | 1.3.6 |
| -300 A3 | 22 DD | 4-8 | D8 | | DRA DRUM XTEL STATUS CNTRL | | | 1.3.6 |
| -300 A3 | 22 DC | 4-8 | D7 | | DRA DRUM SPARE XTEL STATUS READ CKT | | | 1.3.6 |
| -300 A3 | 22 DU | 4-8 | D7 | | DRA DRUM SPARE XTEL MARKER READ CKT | | | 1.3.6 |
| -300 A3 | 22 FB | 4-8 | D7 | | DRA DRUM OB-1 CU STATUS CNTRL | | | 1.4.1 |
| -300 A3 | 22 FC | 4-8 | D7 | | DRA DRUM OB-2 CD STATUS CNTRL | | | 1.4.1 |
| -300 A3 | 22 FD | 4-8 | D7 | | DRA DRUM OB-3 CD STATUS CNTRL | | | 1.4.1 |
| -300 A3 | 22 FB | 4-8 | D8 | | DRA DRUM OB-1 STATUS CHAN READ CKT | | | 1.4.1 |
| -300 A3 | 22 FC | 4-8 | D8 | | DRA DRUM OB-2 STATUS CHAN READ CKT | | | 1.4.1 |
| -300 A3 | 22 FD | 4-8 | D8 | | DRA DRUM OB-3 STATUS CHAN READ CKT | | | 1.4.1 |
| -300 A3 | 22 FE | 4-8 | D8 | | DRA DRUM LRI-1 OD STATUS READ CKT | | | 1.3.3 |
| -300 A3 | 22 FE | 4-8 | D7 | | DRA DRUM LRI-1 CD STATUS READ CKT | | | 1.3.3 |
| -300 A3 | 22 FF | 4-8 | D8 | | DRA DRUM LRI-2 OD STATUS READ CKT | | | 1.3.4 |
| -300 A3 | 22 FF | 4-8 | D7 | | DRA DRUM LRI-2 CD STATUS READ CKT | | | 1.3.4 |
| -300 A3 | 22 FG | 4-8 | D8 | | DRA DRUM GFI OD STAT CTRL READ CKT | | | 1.3.2 |
| -300 A3 | 22 FG | 4-8 | D7 | | DRA DRUM GFI CD STAT CTRL READ CKT | | | 1.3.2 |
| | | | | | | | | |
| -300 A4 | 22 JD | 5-8 | D8 | | BDWADRU XTEL OD WRITE CKT | | | 1.3.5 |
| -300 A4 | 22 JE | 5-8 | D8 | | BDWADRU XTEL OD WRITE CKT | | | 1.3.5 |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC | |
|-------|-----|----|----|-------|------|------------------|---------|----------|-----------|--------|
| -300U | A4 | 22 | JF | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JG | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JH | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JJ | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JK | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JL | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JM | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JN | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JP | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JR | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JS | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JT | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JU | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | JV | 5-8 | D8 | BDWADRUM | XTEL | OU | WRITE CKT | 1.3.55 |
| -300U | A4 | 22 | KD | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KE | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KF | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KG | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KH | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KJ | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KK | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KL | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KM | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KN | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KP | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KR | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KS | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KT | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KU | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KV | 5-8 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.51 |
| -300U | A4 | 22 | KW | 56 | D8 | BDWADRUM | MI | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LD | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LD | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LE | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LE | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LF | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LF | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LG | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LG | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LH | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LH | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LJ | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LJ | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LK | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LK | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LL | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LL | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LM | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LM | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LN | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LP | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LP | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LR | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LR | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LS | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LS | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LT | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LT | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LU | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LU | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | LV | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | LV | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | MD | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | MD | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | ME | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | ME | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | MF | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | MF | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | MG | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | MG | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | MH | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | MH | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | MJ | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | MJ | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | MK | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | MK | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | ML | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |
| -300U | A4 | 22 | ML | 56 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.53 |
| -300U | A4 | 22 | MM | 78 | D8 | BDWADRUM | LRI-162 | OU | WRITE CKT | 1.3.54 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------------------------------------|------|----------|---------|
| -300 | A4 | 22 | MM | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.3 |
| -300 | A4 | 22 | NN | 78 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.4 |
| -300 | A4 | 22 | NN | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.3 |
| -300 | A4 | 22 | MP | 78 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.4 |
| -300 | A4 | 22 | MP | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.3 |
| -300 | A4 | 22 | MR | 78 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.4 |
| -300 | A4 | 22 | MR | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.3 |
| -300 | A4 | 22 | MS | 78 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.4 |
| -300 | A4 | 22 | MS | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.3 |
| -300 | A4 | 22 | MT | 78 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.4 |
| -300 | A4 | 22 | MT | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.3 |
| -300 | A4 | 22 | MU | 78 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.4 |
| -300 | A4 | 22 | MU | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.3 |
| -300 | A4 | 22 | MV | 78 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.4 |
| -300 | A4 | 22 | MV | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.3 |
| -300 | A4 | 22 | MW | 78 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.4 |
| -300 | A4 | 22 | MW | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.3 |
| -300 | A4 | 22 | ND | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NE | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NF | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NG | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NH | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NJ | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NN | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NP | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NR | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NS | 58 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NT | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NU | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NV | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NW | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NX | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NM | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NJ | 78 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | NK | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A4 | 22 | PD | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PE | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PF | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PG | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PH | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PJ | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PK | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PL | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PM | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PN | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PP | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PR | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PS | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PT | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PU | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A4 | 22 | PV | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| | | | | | | | | | |
| -300 | A5 | 22 | HC | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.4.1 |
| -300 | A5 | 22 | HD | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.4.1 |
| -300 | A5 | 22 | HE | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.4.1 |
| -300 | A5 | 22 | HH | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.2 |
| -300 | A5 | 22 | HJ | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.3 |
| -300 | A5 | 22 | HK | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.4 |
| -300 | A5 | 22 | HL | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.5 |
| -300 | A5 | 22 | HM | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.1 |
| -300 | A5 | 22 | HR | 4-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A5 | 22 | HR | 3 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A5 | 22 | JW | 5-8 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.5 |
| -300 | A5 | 22 | PW | 56 | D8 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| -300 | A5 | 22 | PW | 78 | D7 | BDWADRUMLRI-162 OD WRITE CKT | | | 1.3.6 |
| | | | | | | | | | |
| -300 | A6 | 20 | BG | 4-8 | D78 | DRA AXD AMC-D INDEX READ CKT | | | 1-2.1.2 |
| -300 | A6 | 20 | BH | 4-8 | D78 | DRA AXD AME-F INDEX READ CKT | | | 1-2.1.2 |
| -300 | A6 | 20 | BJ | 4-8 | D78 | DRA AXD AMG-H INDEX READ CKT | | | 1-2.1.2 |
| -300 | A6 | 22 | AF | 4-8 | D7 | DRA DRUM IC INDEX CHAN READ CKT | | | 5-1.6.1 |
| -300 | A6 | 22 | FK | 4-8 | D7 | DRA DRUM AMA INDEX CHAN READ CKT | | | 1.1.2 |
| -300 | A6 | 22 | FK | 4-8 | D8 | DRA DRUM AMB INDEX CHAN READ CKT | | | 1.1.2 |
| -300 | A6 | 22 | FM | 4-8 | D78 | DRA DRUM LOG INDEX CHAN READ CKT | | | 1.1.2 |
| -300 | A6 | 22 | FP | 4-8 | D78 | DRA DRUM MIXED INDEX CHAN READ CKT | | | 1.1.2 |
| -300 | A6 | 22 | FS | 4-8 | D78 | DRA DRUM TD INDEX CHAN READ CKT | | | 1.1.2 |
| -300 | A6 | 22 | FU | 4-8 | D78 | DRA DRUM RD INDEX CHAN READ CKT | | | 1.1.2 |
| | | | | | | | | | |
| -300 | B1 | 20 | CE | 5-8 | D7 | ADWBAXD ACD WRITE REG | | | 1-2.2.1 |

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| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-5 | 05/01/60 | LOGIC | | | |
|------|-----|----|----|-------|------|----------|-------------|------|----------|-------|-------|-----|-------|
| -300 | 84 | 22 | LK | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | LK | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | LL | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | LL | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | LM | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | LM | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | LN | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | LN | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | LP | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | LP | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | LR | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | LR | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | LS | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | LS | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | LT | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | LT | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | LU | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | LU | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | LV | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | LV | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MD | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MD | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | ME | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | ME | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MF | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MF | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MG | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MG | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MH | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MH | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MJ | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MJ | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MK | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MK | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | ML | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | ML | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MM | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MM | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MN | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MN | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MP | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MP | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MR | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MR | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MS | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MS | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MT | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MT | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MU | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MU | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MV | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MV | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | MW | 78 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e4 | | |
| -300 | 84 | 22 | MW | 56 | 07 | 8DWBDRUM | LRI-162 | 00 | WRITE | CKT | 1.3e3 | | |
| -300 | 84 | 22 | ND | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NE | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NF | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NG | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NH | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NJ | 56 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NN | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NP | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NR | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NS | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NT | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NU | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NV | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NW | 5-8 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NJ | 78 | 07 | 8DWBDRUM | GFI | 00 | WRITE | REG | 1.3e2 | | |
| -300 | 84 | 22 | NK | 5-8 | 07 | 8DWBDRUM | GFI | REL | TIME | CNTR | WRITE | CKT | 1.3e2 |
| -300 | 84 | 22 | NM | 5-8 | 07 | 8DWBDRUM | GFI | REL | TIME | CNTR | WRITE | CKT | 1.3e2 |
| -300 | 84 | 22 | PD | 5-8 | 07 | 8DWBDRUM | SP | XT | WRITE | CKT | 1.3e6 | | |
| -300 | 84 | 22 | PE | 5-8 | 07 | 8DWBDRUM | SP | XT | WRITE | CKT | 1.3e6 | | |
| -300 | 84 | 22 | PF | 5-8 | 07 | 8DWBDRUM | SP | XT | WRITE | CKT | 1.3e6 | | |
| -300 | 84 | 22 | PG | 5-8 | 07 | 8DWBDRUM | SP | XT | WRITE | CKT | 1.3e6 | | |
| -300 | 84 | 22 | PH | 5-8 | 07 | 8DWBDRUM | SP | XT | WRITE | CKT | 1.3e6 | | |
| -300 | 84 | 22 | PJ | 5-8 | 07 | 8DWBDRUM | SP | XT | WRITE | CKT | 1.3e6 | | |
| -300 | 84 | 22 | PK | 5-8 | 07 | 8DWBDRUM | SP | XT | WRITE | CKT | 1.3e6 | | |
| -300 | 84 | 22 | PL | 5-8 | 07 | 8DWBDRUM | SP | XT | WRITE | CKT | 1.3e6 | | |

MC-5

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|--------------------------------------|------|----------|---------|
| -300 | B4 | 22 | PM | 5-8 | D7 | BDWBDRUM SP XT WRITE CKT | | | 1.3.6 |
| -300 | B4 | 22 | PN | 5-8 | D7 | BDWBDRUM SP XT WRITE CKT | | | 1.3.6 |
| -300 | B4 | 22 | PP | 5-8 | D7 | BDWBDRUM SP XT WRITE CKT | | | 1.3.6 |
| -300 | B4 | 22 | PR | 5-8 | D7 | BDWBDRUM SP XT WRITE CKT | | | 1.3.6 |
| -300 | B4 | 22 | PS | 5-8 | D7 | BDWBDRUM SP XT WRITE CKT | | | 1.3.6 |
| -300 | B4 | 22 | PT | 5-8 | D7 | BDWBDRUM SP XT WRITE CKT | | | 1.3.6 |
| -300 | B4 | 22 | PU | 5-8 | D7 | BDWBDRUM SP XT WRITE CKT | | | 1.3.6 |
| -300 | B4 | 22 | PV | 5-8 | D7 | BDWBDRUM SP XT WRITE CKT | | | 1.3.6 |
| | | | | | | | | | |
| -300 | B5 | 22 | HC | 5-8 | D7 | BDWBDRUM OB-1 STATUS CNTRL CKT | | | 1.4.1 |
| -300 | B5 | 22 | HD | 5-8 | D7 | BDWBDRUM OB-2 STATUS CNTRL CKT | | | 1.4.1 |
| -300 | B5 | 22 | HE | 5-8 | D7 | BDWBDRUM OB-3 STATUS CNTRL CKT | | | 1.4.1 |
| -300 | B5 | 22 | HL | 7-8 | D7 | BDWBDRUM XTEL CD MARKER STATUS CNTRL | | | 1.3.5 |
| -300 | B5 | 22 | HH | 5-8 | D7 | BDWBDRUM GFI STATUS CNTRL | | | 1.3.2 |
| -300 | B5 | 22 | HJ | 5-8 | D7 | BDWBDRUM LRI-1 STATUS CNTRL CKT | | | 1.3.3 |
| -300 | B5 | 22 | HK | 5-8 | D7 | BDWBDRUM LRI-2 STATUS CNTRL CKT | | | 1.3.4 |
| -300 | B5 | 22 | HL | 5-6 | D7 | BDWBDRUM XTEL STATUS CNTRL CKT | | | 1.3.5 |
| -300 | B5 | 22 | HR | 7-8 | D7 | BDWBDRUM XTEL STATUS CNTRL | | | 1.3.6 |
| -300 | B5 | 22 | HR | 5-6 | D7 | BDWBDRUM SPARE XTEL STATUS CNTRL | | | 1.3.6 |
| -300 | B5 | 22 | HM | 5-8 | D7 | BDWBDRUM MI STATUS CNTRL CKT | | | 1.3.1 |
| -300 | B5 | 22 | JW | 7-8 | D7 | BDWBDRUM XTEL CD MARKER STATUS CNTRL | | | 1.3.5 |
| -300 | B5 | 22 | JW | 5-6 | D7 | BDWBDRUM XTEL OD WRITE CKT | | | 1.3.5 |
| -300 | B5 | 22 | PW | 7-8 | D7 | BDWBDRUM XTEL STATUS CNTRL CKT | | | 1.3.6 |
| -300 | B5 | 22 | PW | 5-6 | D7 | BDWBDRUM SP XT WRITE CKT | | | 1.3.6 |
| | | | | | | | | | |
| -300 | C1 | 20 | CE | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CF | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CG | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CH | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CJ | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CK | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CL | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CM | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CN | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CP | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CR | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CS | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CT | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CU | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CV | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CW | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 20 | CX | 5-8 | D8 | ADWAAXD ACD WRITE REG | | | 1-2.2.1 |
| -300 | C1 | 22 | GE | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GF | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GG | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GH | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GJ | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GK | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GL | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GM | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GN | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GP | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GR | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GS | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GT | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GU | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GV | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GW | 5-8 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| -300 | C1 | 22 | GX | 5-6 | D8 | ADWADRUM CD WRITE CKT | | | 1.2.1 |
| | | | | | | | | | |
| -300 | C4 | 20 | BL | 2-9 | D8 | TPG AXD AMC TIMING PULSE GEN | | | 1-2.1.2 |
| -300 | C4 | 20 | BM | 2-9 | D8 | TPG AXD AMD TIMING PULSE GEN | | | 1-2.1.2 |
| -300 | C4 | 20 | BN | 2-9 | D8 | TPG AXD AME TIMING PULSE GEN | | | 1-2.1.2 |
| -300 | C4 | 20 | BP | 2-9 | D8 | TPG AXD AMF TIMING PULSE GEN | | | 1-2.1.2 |
| -300 | C4 | 20 | BR | 2-9 | D8 | TPG AXD AMG TIMING PULSE GEN | | | 1-2.1.2 |
| -300 | C4 | 20 | BS | 2-9 | D8 | TPG AXD AMH TIMING PULSE GEN | | | 1-2.1.2 |
| -300 | C4 | 22 | FJ | 2-9 | D8 | TPG DRUM AMA TIMING CHANNEL | | | 1.1.2 |
| -300 | C4 | 22 | FL | 2-9 | D8 | TPG DRUM AMB TIMING CHANNEL | | | 1.1.2 |
| -300 | C4 | 22 | FN | 2-9 | D8 | TPG DRUM LOG TIMING CKT | | | 1.1.2 |
| -300 | C4 | 22 | FR | 2-9 | D8 | TPG DRUM MIXD TIMING CHANNEL | | | 1.1.2 |
| -300 | C4 | 22 | FT | 2-9 | D8 | TPG DRUM TD TIMING CHAN CD READ DKT | | | 1.1.2 |
| -300 | C4 | 22 | FV | 2-9 | D8 | TPG DRUM RD TIMING CHAN CD READ CKT | | | 1.1.2 |
| | | | | | | | | | |
| -300 | D1 | 21 | AT | 6-9 | D8 | CFF DRUM CD FIELD & REG SW CNTRL | | | 1.4.1 |
| -300 | D1 | 21 | FD | 3 | D8 | CFF DRUM CD READ-WRITE CNTRL | | | 1.2.1 |
| -300 | D1 | 21 | FP | 4 | D8 | CFF DRUM LRI-1 CD STATUS CNTRL CKT | | | 1.3.3 |

| V C-L FR PU TUBES PINS | | | | | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------------------------|-------|----------|-------|--|-------------------------------------|------|----------|---------|
| -300 D1 | 21 FS | 4 | D8 | | CFF DRUM LRI-2 CD STATUS CNTRL CKT | | | 1.3.4 |
| -300 D1 | 21 PC | 3 | D8 | | CFF DRUM CD LRI STATUS SLOT CNTR | | | 1.3.3 |
| -300 D1 | 21 PC | 2 | D8 | | CFF DRUM CD MARKER STATUS SLOT CNTR | | | 1.3.5 |
| -300 D1 | 21 PE | 9 | D8 | | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| -300 D1 | 21 PF | 9 | D8 | | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| -300 D1 | 21 PG | 9 | D8 | | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| | | | | | | | | |
| -300 D2 | 21 AC | 7 | D8 | | CFF DRUM DD OD READ CNTRL | | | 1.5.3 |
| -300 D2 | 21 AF | 2 | D8 | | CFF DRUM OB OD FIELD SELECT CNTRL | | | 1.4.1 |
| -300 D2 | 21 AF | 2 | D8 | | CFF DRUM OB OD FIELD SELECT CNTRL | | | 1.4.1 |
| -300 D2 | 21 AG | 6 | D8 | | CFF DRUM OB OD READ CNTRL | | | 1.4.1 |
| -300 D2 | 21 AH | 4 | D8 | | CFF DRUM LRI-1 & 2 OD OPERATE | | | 1.3.3 |
| -300 D2 | 21 DC | 2 | D8 | | CFF DRUM TD OD READ CNTRL | | | 1.5.1 |
| -300 D2 | 21 DD | 135 | D8 | | CFF DRUM TD OD READ CNTRL | | | 1.5.1 |
| -300 D2 | 21 DK | 2 | D8 | | CFF DRUM RD OD READ CNTRL | | | 1.5.1 |
| -300 D2 | 21 DM | 2 | D8 | | CFF DRUM RD OD READ CNTRL | | | 1.5.1 |
| -300 D2 | 21 DT | 8 | D8 | | CFF DRUM RD OD READ CNTRL | | | 1.5.1 |
| -300 D2 | 21 PH | 9 | D8 | | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| -300 D2 | 21 DU | 135 | D8 | | CFF DRUM RD OD READ CNTRL | | | 1.5.1 |
| -300 D2 | 21 PJ | 9 | D8 | | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| -300 D2 | 21 PK | 9 | D8 | | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| -300 D2 | 22 MX | 467 | D8 | | CFF DRUM RI OD REL TIME CNTR | | | 1.3.2 |
| -300 D2 | 21 RN | 7 | D8 | | CFF DRUM IC OD READ CNTRL CKT | | | S-1.6.1 |
| | | | | | | | | |
| -300 D3 | 21 ES | 2479 | D8 | | CFF DRUM RD TIMING CKT | | | 1.1.2 |
| -300 D3 | 21 ET | 2479 | D8 | | CFF DRUM RD TIMING CKT | | | 1.5.1 |
| -300 D3 | 21 DY | 2479 | D8 | | CFF DRUM TD TIMING CKT | | | 1.5.1 |
| -300 D3 | 21 EY | 2479 | D8 | | CFF DRUM TD TIMING CKT | | | 1.1.2 |
| | | | | | | | | |
| -300 D4 | 20 BD | 7 | D8 | | CFF AXD TC&INDEX CHAN WRITE CKT | | | 1-2.3.2 |
| -300 D4 | 20 BW | 234678D8 | | | CFF AXD AMF-D-E-F-G-H INDEX INDCTR | | | 1-2.1.2 |
| -300 D4 | 20 FP | 5-8 | D8 | | CFF AXD ACD READ WRITE CNTRL | | | 1-2.2.1 |
| -300 D4 | 20 JJ | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 20 JK | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 20 JL | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 20 JH | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 20 JN | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 20 JP | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 20 JR | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 20 JS | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 20 JT | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 20 JU | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 21 PL | 9 | D8 | | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| -300 D4 | 21 JV | 369 | B7D78 | | CFF AXD AMC-D-E APC | | | 1-2.2.3 |
| -300 D4 | 21 PH | 9 | D8 | | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| -300 D4 | 20 KE | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 21 PN | 9 | D8 | | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| -300 D4 | 20 KF | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 20 KG | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 20 KH | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 20 KJ | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 20 KK | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 20 KL | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 20 KM | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 20 KN | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 20 KP | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 20 KR | 369 | B7D78 | | CFF AXD AMF-G-H APC | | | 1-2.2.3 |
| -300 D4 | 20 KS | 1357 | B7D8 | | CFF AXD AMC-D APC ALARM | | | 1-2.2.3 |
| -300 D4 | 20 KT | 1357 | B7D8 | | CFF AXD AME-F APC ALARM | | | 1-2.2.3 |
| -300 D4 | 20 KU | 1357 | B7D8 | | CFF AXD AMG-H APC ALARM | | | 1-2.2.3 |
| -300 D4 | 21 AU | 2479 | D8 | | CFF DRUM CD-OB FIELD SW CNTR | | | 1.4.1 |
| -300 D4 | 21 AV | 2479 | D8 | | CFF DRUM CD-OB FIELD SW CNTR | | | 1.4.1 |
| -300 D4 | 21 FX | 2 | D8 | | CFF DRUM LOG TIMING CKT | | | 1.1.2 |
| -300 D4 | 21 FX | 7 | D8 | | CFF DRUM AMA TIMING CKT | | | 1.1.2 |
| -300 D4 | 21 FX | 8 | D8 | | CFF DRUM AMB TIMING CKT | | | 1.1.2 |
| -300 D4 | 21 FX | 3 | D8 | | CFF DRUM MIXD TIMING CKT | | | 1.1.2 |
| -300 D4 | 21 PU | 13 | B7 | | CFF DRUM AMB CD APC ALARM CNTRL | | | 1.2.3 |
| -300 D4 | 21 PT | 57 | B7D8 | | CFF DRUM AMA CD APC ALARM CNTRL | | | 1.2.3 |
| -300 D4 | 21 MD | 369 | B7D78 | | CFF DRUM MIXD AMA-B CD APC | | | 1.2.3 |
| -300 D4 | 21 ME | 369 | B7D78 | | CFF DRUM MIXD AMA-B CD APC | | | 1.2.3 |
| -300 D4 | 21 MF | 369 | B7D78 | | CFF DRUM MIXD AMA-B CD APC | | | 1.2.3 |
| -300 D4 | 21 MG | 369 | B7D78 | | CFF DRUM MIXD AMA-B CD APC | | | 1.2.3 |
| -300 D4 | 21 MH | 369 | B7D78 | | CFF DRUM MIXD AMA-B CD APC | | | 1.2.3 |
| -300 D4 | 21 MJ | 369 | B7D78 | | CFF DRUM MIXD AMA-B CD APC | | | 1.2.3 |
| -300 D4 | 21 MK | 369 | B7D78 | | CFF DRUM MIXD AMA-B CD APC | | | 1.2.3 |
| -300 D4 | 21 ML | 369 | B7D78 | | CFF DRUM MIXD AMA-B CD APC | | | 1.2.3 |
| -300 D4 | 21 MM | 369 | B7D78 | | CFF DRUM MIXD AMA-B CD APC | | | 1.2.3 |

MC-5

| V C-L FR PU TUBES PINS | | | | | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------------------------|----|----|----|-----|------------------|------|---------------------------------|---------|
| -300 | D4 | 21 | MN | 369 | 87D78 | CFF | DRUM MIXD AMA-B CD APC | 1-2-3 |
| -300 | D4 | 21 | MP | 369 | 87D78 | CFF | DRUM MIXD AMA-B CD APC | 1-2-3 |
| -300 | D4 | 21 | RG | 369 | 87D8 | CFF | DRUM IC OD APC | S-1-6-1 |
| -300 | D4 | 21 | RH | 369 | 87D8 | CFF | DRUM IC OD APC | S-1-6-1 |
| -300 | D4 | 21 | RJ | 369 | 87D8 | CFF | DRUM IC OD APC | S-1-6-1 |
| -300 | D4 | 21 | RK | 369 | 87D8 | CFF | DRUM IC OD APC | S-1-6-1 |
| -300 | D4 | 21 | FX | 6 | D8 | CFF | DRUM RD TIMING CKT | 1-1-2 |
| -300 | D4 | 21 | PV | 57 | D8 | CFF | DRUM RD CD APC ALARM CNTRL | 1-2-3 |
| -300 | D4 | 21 | FX | 4 | D8 | CFF | DRUM TD TIMING CKT | 1-1-2 |
| -300 | D4 | 21 | PU | 57 | D8 | CFF | DRUM TD CD APC ALARM CNTRL | 1-2-3 |
| -300 | D4 | 21 | PE | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | PF | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | PG | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | PH | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | PJ | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | PK | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | PL | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | PM | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | PN | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | PP | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | PR | 36 | 87D7 | CFF | DRUM RD & TD CD APC | 1-2-3 |
| -300 | D4 | 21 | RL | 57 | D8 | CFF | MIXD APC CK & ERROR | 001-2-3 |
| -300 | D4 | 21 | RL | 13 | 87 | CFF | IC OTHER APC CK & ALARM | S-1-6-1 |
| | | | | | | | | |
| -300 | E1 | 20 | GC | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GD | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GE | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GF | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GG | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GH | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GJ | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GK | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GL | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GM | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GN | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GP | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GR | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GS | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GT | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GU | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GV | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | GW | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HC | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HD | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HE | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HF | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HG | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HH | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HJ | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HK | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HL | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HM | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HN | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HP | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HR | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HS | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HT | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HU | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HV | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 20 | HW | 1-7 | D8 | DFD | AXD DRUM FIELD DRIVER | 1-2-1-1 |
| -300 | E1 | 21 | HC | 1-7 | D8 | DFD | DRUM CD AMA-1 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | JC | 1-7 | D8 | DFD | DRUM CD AMA-2 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HD | 1-7 | D8 | DFD | DRUM CD AMA-3 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | JD | 1-7 | D8 | DFD | DRUM CD AMA-4 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HE | 1-7 | D8 | DFD | DRUM CD AMA-5 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | JE | 1-7 | D8 | DFD | DRUM CD AMA-6 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HF | 1-7 | D8 | DFD | DRUM CD AMB-1 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | JF | 1-7 | D8 | DFD | DRUM CD AMB-2 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HG | 1-7 | D8 | DFD | DRUM CD AMB-3 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | JG | 1-7 | D8 | DFD | DRUM CD AMB-4 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HH | 1-7 | D8 | DFD | DRUM CD AMB-5 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | JH | 1-7 | D8 | DFD | DRUM CD AMB-6 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HJ | 1-7 | D8 | DFD | DRUM CD LRI-1 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HK | 1-7 | D8 | DFD | DRUM CD LRI-2 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HL | 1-7 | D8 | DFD | DRUM CD GFI-1 FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HM | 1-7 | D8 | DFD | DRUM CD XTEL FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HN | 1-7 | D8 | DFD | DRUM CD SPARE AM FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HP | 1-7 | D8 | DFD | DRUM CD SPARE XTEL FIELD DRIVER | 1-1-1 |
| -300 | E1 | 21 | HR | 1-7 | D8 | DFD | DRUM CD TD-1 FIELD DRIVER | 1-1-1 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-5 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|-------------------------------------|------|----------|---------|
| -300 | E1 | 21 | JR | 1-7 | D8 | DFD DRUM CD TD-2 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | HS | 1-7 | D8 | DFD DRUM CD TD-3 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JS | 1-7 | D8 | DFD DRUM CD TD-4 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | HT | 1-7 | D8 | DFD DRUM CD TD-5 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JT | 1-7 | D8 | DFD DRUM CD TD-6 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | HU | 1-7 | D8 | DFD DRUM CD RD-1 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | HV | 1-7 | D8 | DFD DRUM CD RD-2 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JV | 1-7 | D8 | DFD DRUM CD RD-3 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JW | 1-7 | D8 | DFD DRUM CD RD-4 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | HW | 1-7 | D8 | DFD DRUM CD RD-5 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JW | 1-7 | D8 | DFD DRUM CD RD-6 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | HX | 1-7 | D8 | DFD DRUM CD RD-7 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JX | 1-7 | D8 | DFD DRUM CD RD-8 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | HY | 1-7 | D8 | DFD DRUM CD RD-9 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JJ | 1-7 | D8 | DFD DRUM CD OB-1 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JK | 1-7 | D8 | DFD DRUM CD OB-2 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JL | 1-7 | D8 | DFD DRUM CD OB-3 FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JM | 1-7 | D8 | DFD DRUM CD MI FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JN | 1-7 | D8 | DFD DRUM CD DO FIELD DRIVER | | | 1.1.1 |
| -300 | E1 | 21 | JP | 1-7 | D8 | DFD DRUM CD IC FIELD DRIVER | | | 1.1.1 |
| | | | | | | | | | |
| -300 | E4 | 20 | EL | 9 | D8 | CFF AXD MANUAL TEST 6 APC ALARM | | | 1-2.3.2 |
| -300 | E4 | 20 | EM | 1368 | D8 | CFF AXD MANUAL TEST APC | | | 1-2.3.2 |
| -300 | E4 | 20 | EN | 1368 | D8 | CFF AXD MANUAL TEST APC | | | 1-2.3.2 |
| -300 | E4 | 20 | EP | 1368 | D8 | CFF AXD MANUAL TEST APC | | | 1-2.3.2 |
| -300 | E4 | 20 | ER | 8 | D8 | CFF AXD MANUAL TEST PATTERN CNTRL | | | 1-2.3.2 |
| -300 | E4 | 20 | EU | 4 | D8 | CFF AXD MANUAL TEST CHECK CNTRLS | | | 1-2.3.2 |
| -300 | E4 | 21 | BC | 9 | D8 | CFF DRUM XTEL FULL ALARM | | | 1.3.5 |
| -300 | E4 | 21 | BG | 9 | D8 | CFF DRUM MI FULL ALARM | | | 1.3.1 |
| -300 | E4 | 21 | 3J | 9 | D8 | CFF DRUM SP XTEL FULL ALARM | | | 1.3.6 |
| -300 | E4 | 21 | 8N | 9 | D8 | CFF DRUM LRI-1 FULL ALARM | | | 1.3.3 |
| -300 | E4 | 21 | BR | 9 | D8 | CFF DRUM LRI-2 FULL ALARM | | | 1.3.4 |
| -300 | E4 | 21 | BU | 9 | D8 | CFF DRUM GFI FULL ALARM | | | 1.3.2 |
| -300 | E4 | 21 | DJ | 2 | D8 | CFF DRUM TEST CNTRLS | | | 1.8.2 |
| -300 | E4 | 21 | KF | 8 | D8 | CFF DRUM MANUAL TEST PATTERN CNTRL | | | 1.7.2 |
| -300 | E4 | 21 | KL | 4 | D8 | CFF DRUM MANUAL TEST CHECK CNTRL | | | 1.7.2 |
| -300 | E4 | 21 | LT | 5 | D8 | CFF DRUM MANL TEST WRT CTRL | | | 1.3.1 |
| -300 | E4 | 21 | PP | 9 | D8 | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| -300 | E4 | 21 | MU | 7 | D8 | CFF DRUM MANL TEST WRT CTRL | | | 1.3.2 |
| -300 | E4 | 21 | PR | 9 | D8 | CFF DRUM CD READ STATUS DISCON CNTR | | | 1.3.1 |
| -300 | E4 | 21 | LT | 5 | D8 | CFF DRUM MANL TEST WRT CTRL | | | 1.3.3 |
| -300 | E4 | 21 | LT | 4 | D8 | CFF DRUM MANL TEST WRT CTRL | | | 1.3.4 |
| -300 | E4 | 21 | LT | 8 | D8 | CFF DRUM MANL TEST WRT CTRL | | | 1.3.5 |
| -300 | E4 | 21 | LT | 9 | D8 | CFF DRUM MANL TEST WRT CTRL | | | 1.3.6 |
| -300 | E4 | 21 | LV | 9 | D8 | CFF DRUM MANUAL TEST APC | | | 1.2.3 |
| -300 | E4 | 21 | LV | 6 | D8 | CFF DRUM MANUAL TEST APC | | | 1.8.2 |
| -300 | E4 | 21 | LW | 1368 | D8 | CFF DRUM MANUAL TEST APC | | | 1.2.3 |
| -300 | E4 | 21 | LX | 1368 | D8 | CFF DRUM MANUAL TEST APC | | | 1.2.3 |
| -300 | E4 | 21 | LY | 1368 | D8 | CFF DRUM MANUAL TEST APC | | | 1.2.3 |
| -300 | E4 | 21 | MU | 4 | D7 | CFF DRUM READ WRITE CONTROL | | | 1.2.1 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------|-----|----|----|--------------|------|------|----------------------------------|------|----------|---------|
| 6250 | A1 | 23 | BE | 3-5 | 85 | PCF | MI REG SHIFT | | | 002+2.2 |
| 6250 | A1 | 23 | CV | 1235 | 85 | PCF | MI BLOCKING OSC INHIBIT | | | 2+2.2 |
| 6250 | A1 | 23 | DE | 2-6 | 85 | PCF | MI PASS LT GUN SIGNALS | | | 2+2.1 |
| 6250 | A1 | 23 | DH | 2-6 | 85 | PCF | MI REG 6 CEP 1 SELECTORS | | | 2+2.1 |
| 6250 | A1 | 23 | EJ | 2-6 | 85 | PCF | MI CEP 2 & 3 SELECTED | | | 2+2.1 |
| 6250 | A2 | 24 | CK | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | CL | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | DK | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | DM | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | EK | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | EM | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | FK | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | FP | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | GP | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | HK | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | HM | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | JK | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | JM | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | KN | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | LM | 124-7 | 85 | I | SDG DAB DRIVERS | | | 4+1.14 |
| 6250 | A2 | 24 | FM | 124-7 | 85 | I | SDG DAB DRIVER | | | 041.14 |
| 6250 | A4 | 25 | CF | 12356785 | | PCF | DDG SLOT LINE DRIVERS | | | 4+3.3 |
| 6250 | A4 | 25 | CG | 12356785 | | PCF | DDG SLOT LINE DRIVERS | | | 4+3.3 |
| 6250 | A4 | 25 | DC | 12356785 | | PCF | DDG SLOT LINE DRIVERS | | | 4+3.3 |
| 6250 | A4 | 25 | DD | 12356785 | | PCF | DDG SLOT LINE DRIVERS | | | 4+3.3 |
| 6250 | A4 | 25 | DE | 12356785 | | PCF | DDG SLOT LINE DRIVERS | | | 4+3.3 |
| 6250 | A4 | 25 | DF | 12356785 | | PCF | DDG SLOT LINE DRIVERS | | | 4+3.3 |
| 6250 | A5 | 25 | AE | 123 | 85 | PCF | DDG CAMERA CONTROL | | | 4+6.1 |
| 6250 | A5 | 25 | AF | 1-4 | 85 | PCF | DDG CHARACTER TIMING & INTENSITY | | | 4+3.2 |
| 6250 | A5 | 25 | BL | 1-4 | 85 | PCF | DDG ERASE GATE | | | 4+3.2 |
| 6250 | A5 | 25 | BM | 234 | 85 | PCF | DDG CONTRAST GATES | | | 4+3.2 |
| 6250 | B1 | 24 | AC | 12356785 | | PCF | SDG XY REG & LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | AD | 12356785 | | PCF | SDG XY REG & LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | AE | 12356785 | | PCF | SDG XY REG & LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | BE | 12356785 | | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | CC | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | DC | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | DD | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | EC | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | ED | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | EE | 12356785 | | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | FC | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | FD | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | FE | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | JC | 12356785 | | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | JD | 12356785 | | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | JE | 12356785 | | PCF | SDG XY REG AND LINE DRIVERS | | | 041.16 |
| 6250 | B1 | 24 | KC | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | KD | 12356785 | | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | KE | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | LC | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | LD | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | LE | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | MC | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | MD | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | ME | 1-7 | 85 | PCF | SDG XY REG AND LINE DRIVERS | | | 4+1.16 |
| 6250 | B1 | 24 | AJ | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | BG | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | BH | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | BK | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | CH | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | DG | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | DH | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | EG | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | EH | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | FG | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | FH | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | GG | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | GH | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | HH | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | MM | 124-7 85D5G5 | | PCF | SDG SUPPLEMENTARY DRIVERS | | | 4+1.15 |
| 6250 | B1 | 24 | JG | 124-7 85D5G5 | | PCF | SDG CATEGORY DRIVERS | | | 4+1.15 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|--------|-------------------------------------|------|----------|---------|
| 6250 | B1 | 24 | JH | 124-7 | 85D5G5 | PCF SDG CATEGORY DRIVERS | | | 4.1.13 |
| 6250 | B1 | 24 | KG | 124-7 | 85D5G5 | PCF SDG CATEGORY DRIVERS | | | 4.1.13 |
| 6250 | B1 | 24 | KH | 124-7 | 85D5G5 | PCF SDG CATEGORY DRIVERS | | | 4.1.13 |
| 6250 | B1 | 24 | KK | 124-7 | 85D5G5 | PCF SDG CATEGORY DRIVERS | | | 4.1.13 |
| 6250 | B1 | 24 | LG | 124-7 | 85D5G5 | PCF SDG CATEGORY DRIVERS | | | 4.1.13 |
| 6250 | B1 | 24 | LH | 124-7 | 85D5G5 | PCF SDG CATEGORY DRIVERS | | | 4.1.13 |
| 6250 | B1 | 24 | LJ | 124-7 | 85D5G5 | PCF SDG CATEGORY DRIVERS | | | 4.1.13 |
| 6250 | B1 | 24 | LK | 124-7 | 85D5G5 | PCF SDG CATEGORY DRIVERS | | | 4.1.13 |
| 6250 | B1 | 24 | MG | 124-7 | 85D5G5 | PCF SDG CATEGORY DRIVERS | | | 4.1.13 |
| 6250 | B1 | 24 | NN | 67 | G5 | PCF SDG CATEGORY DRIVERS | | | 4.1.13 |
| 6250 | B1 | 24 | MJ | 124-7 | 85D5G5 | PCF SDG MIXED RADAR DATA DRIVERS | | | 4.1.18 |
| 6250 | B1 | 24 | MK | 124-7 | 85D5G5 | PCF SDG MIXED RADAR DATA DRIVERS | | | 4.1.18 |
| 6250 | B1 | 24 | ML | 124-7 | 85D5G5 | PCF SDG MIXED RADAR DATA DRIVERS | | | 4.1.18 |
| 6250 | B1 | 24 | MM | 124-7 | 85D5G5 | PCF SDG MIXED RADAR DATA DRIVERS | | | 4.1.18 |
| 6250 | B1 | 24 | MN | 1245 | 85D5 | PCF SDG RADAR DATA CATEGORY DRIVERS | | | 4.1.18 |
| 6250 | B1 | 24 | MP | 124-7 | 85D5G5 | PCF SDG RADAR DATA CATEGORY DRIVERS | | | 4.1.18 |
| 6250 | B1 | 24 | MR | 124-7 | 85D5G5 | PCF SDG RADAR DATA CATEGORY DRIVERS | | | 4.1.18 |
| 6250 | B1 | 24 | MW | 12356 | 85 | PCF SDG REFOCUS CONTROL | | | 4.1.20 |
| 6250 | B1 | 24 | EX | 2-6 | 85 | PCF SDG A FEATURE | | | 4.1.19 |
| 6250 | B1 | 24 | FV | 2-6 | 85 | PCF SDG B FEATURE | | | 4.1.19 |
| 6250 | B1 | 24 | FX | 2-6 | 85 | PCF SDG C FEATURE | | | 4.1.19 |
| 6250 | B1 | 24 | EV | 2-6 | 85 | PCF SDG D FEATURE | | | 4.1.19 |
| 6250 | B1 | 24 | JW | 2-6 | 85 | PCF SDG E FEATURE | | | 4.1.19 |
| 6250 | B1 | 24 | JV | 1-6 | 85 | PCF SDG BYPASS FEATURE | | | 4.1.20 |
| 6250 | B1 | 24 | JX | 12 | 85 | PCF SDG POINT FEATURE | | | 4.1.19 |
| 6250 | B1 | 24 | BC | 1245 | 85D5 | PCF SDG MIXING DRIVERS | | | 4.1.17 |
| | | | | | | | | | |
| 6250 | B2 | 24 | BM | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | BN | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | FF | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | FJ | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | GL | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | GN | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | GP | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | GR | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | GS | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | GT | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | HF | 123 | 85 | PCF SDG GATE GENERATOR | | | 4.1.19 |
| 6250 | B2 | 24 | MX | 1234 | 85 | PCF SDG INTENSITY GATE | | | 4.1.20 |
| | | | | | | | | | |
| 6250 | B3 | 24 | HU | 12356785 | | PCF SDG SYMBOL SEQUENCER | | | 4.1.19 |
| 6250 | B3 | 24 | HV | 12356785 | | PCF SDG SYMBOL SEQUENCER | | | 4.1.19 |
| 6250 | B3 | 24 | HW | 12356785 | | PCF SDG SYMBOL SEQUENCER | | | 4.1.19 |
| 6250 | B3 | 24 | MT | 89 | G7 | PCF SDG WOW CONTROL | | | 4.1.21 |
| | | | | | | | | | |
| 6250 | C1 | 25 | AR | 13467985 | | CGT DDG CHARACTER POSITION DECODER | | | 4.3.3 |
| 6250 | C1 | 25 | DR | 13467985 | | CGT DDG CHARACTER POSITION DECODER | | | 4.3.3 |
| 6250 | C1 | 25 | CS | 13467985 | | CGT DDG CHARACTER SEL DECODER | | | 4.3.34 |
| | | | | | | | | | |
| 6250 | C4 | 24 | AU | 1458 | D6 | CGT SDG CHARACTER SEL DECODERS | | | 4.1.12A |
| 6250 | C4 | 24 | CV | 13467985 | | CGT SDG CHARACTER SEL DECODERS | | | 4.1.108 |
| 6250 | C4 | 24 | AV | 1459 | D6 | CGT SDG CHARACTER POS DECODERS | | | 4.1.12A |
| 6250 | C4 | 24 | BT | 1-8 | 85 | CGT SDG CHARACTER POS DECODERS | | | 4.1.11 |
| 6250 | C4 | 24 | BV | 1-8 | 85 | CGT SDG CHARACTER POS DECODERS | | | 4.1.11 |
| | | | | | | | | | |
| 6250 | D1 | 24 | AU | 379 | 85 | SG SDG VECTOR GENERATOR | | | 4.11.2A |
| | | | | | | | | | |
| 6250 | E1 | 24 | KU | 5-9 | 85 | LA SDG RADAR DATA CONTROL | | | 4.1.21 |
| 6250 | E1 | 24 | MT | 12 | 85 | LA SDG MISCELLANEOUS CONTROL | | | 4.1.21 |
| | | | | | | | | | |
| 6250 | F1 | 23 | BG | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 001-008 | | | 2.2.2 |
| 6250 | F1 | 23 | BH | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 009-016 | | | 2.2.2 |
| 6250 | F1 | 23 | BJ | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 017-024 | | | 2.2.2 |
| 6250 | F1 | 23 | BK | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 025-032 | | | 2.2.2 |
| 6250 | F1 | 23 | BL | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 033-040 | | | 2.2.2 |
| 6250 | F1 | 23 | BM | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 041-048 | | | 2.2.2 |
| 6250 | F1 | 23 | BN | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 049-056 | | | 2.2.2 |
| 6250 | F1 | 23 | BP | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 057-064 | | | 2.2.2 |
| 6250 | F1 | 23 | BR | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 065-072 | | | 2.2.2 |
| 6250 | F1 | 23 | BS | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 073-080 | | | 2.2.2 |
| 6250 | F1 | 23 | BT | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 073-080 | | | 2.2.2 |
| 6250 | F1 | 23 | BU | 1-8 | 85 | TCD MI CORE MATRIX DR WORDS 089-096 | | | 2.2.2 |
| 6250 | F1 | 23 | BV | 1-8 | 85 | TCD MI CORE MATRIX DR WDS 097-104 | | | 2.2.2 |

MC-6

| V C-L FR PU TUBES PINS | | | | TYPE DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------------------------|-------|----------|------|-------------------------------------|---------|----------|---------|
| 6250 F1 | 23 BW | 1-8 | B5 | TCD MI CORE MATRIX DR WDS | 105-112 | | 2+2.2 |
| 6250 F1 | 23 BX | 1-8 | B5 | TCD MI CORE MATRIX DR WDS | 113-120 | | 2+2.2 |
| 6250 F1 | 23 BY | 1-8 | B5 | TCD MI CORE MATRIX DR WDS | 121-128 | | 2+2.2 |
| 6150 A1 | 25 AE | 6 | D5 | CF SDG CAMERA CONTROL | | | 4+6.1 |
| 6150 A1 | 25 AK | 347 | D5 | CF DDG MASTER CONTROL | | | 4+3.2 |
| 6150 A1 | 25 BJ | 347 | D5 | CF DDG MSTR CTRL & CTRL BIT SENSING | | | 4+3.2 |
| 6150 A2 | 25 AM | 347 | D5 | CF DDG X POSTION COUNTER | | | 4+3.5 |
| 6150 A2 | 25 CH | 1-9 | D5 | CF DDG SLOT COUNTER | | | 4+3.3 |
| 6150 A2 | 25 DH | 4-9 | D5 | CF DDG SLOT COUNTER | | | 004+3.3 |
| 6150 A2 | 25 DJ | 1-9 | D5 | CF DDG SLOT COUNTER | | | 4+3.3 |
| 6150 A4 | 23 DE | 7 | D5 | CF MI PASS LT GUN SIGNAL | | | 2+2.1 |
| 6150 A4 | 23 DJ | 6 | D5 | CF MI TARGET AVAIL | | | 2+2.1 |
| 6150 A4 | 23 DK | 6 | D5 | CF MI REG AVAIL | | | 2+2.1 |
| 6150 A4 | 23 DL | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 DM | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 DN | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 DP | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 DR | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 DS | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 DT | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 DU | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 EL | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 EM | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 EN | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 EP | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 ER | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 ES | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 ET | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 EU | 37 | B5G5 | CF MI REG | | | 2+2.1 |
| 6150 A4 | 23 EK | 4 | D5 | CF MI INFO TRANS & DATA AVAIL | | | 2+2.1 |
| 6150 A5 | 23 DC | 4 | D5 | CF MI AREA DISCRIM 1 & SYNC | | | 2+2.1 |
| 6150 A5 | 23 DD | 4 | D5 | CF MI AREA DISCRIM 2 & SYNC | | | 2+2.1 |
| 6150 A5 | 23 ED | 46789 | D5 | CF MI ENCODER OUTPUT | | | 2+2.1 |
| 6150 A6 | 23 BC | 5 | D5 | CF MI CORE READ IN & SHIFT FREQ DIV | | | 2+2.2 |
| 6150 A6 | 23 BD | 4 | D5 | CF MI BREAK REQUEST | | | 2+2.2 |
| 6150 A6 | RO BE | 3 | D5 | CF MI REG SHIFT | | | 2+2.2 |
| 6150 A6 | 23 BF | 36 | D5 | CF MI CORE READ & RESET | | | 2+2.2 |
| 6150 A6 | 23 CW | 6 | D5 | CF MI READOUT ALARM | | | 2+2.2 |
| 6150 B1 | 24 AM | 149 | D5 | CF SDG VECTOR REGISTER | | | 4+1.12 |
| 6150 B1 | 24 AN | 149 | D5 | CF SDG VECTOR REGISTER | | | 4+1.12 |
| 6150 B1 | 24 AP | 149 | D5 | CF SDG VECTOR REGISTER | | | 4+1.12 |
| 6150 B1 | 24 AR | 149 | D5 | CF SDG VECTOR REGISTER | | | 4+1.12 |
| 6150 B1 | 24 AS | 149 | D5 | CF SDG VECTOR REGISTER | | | 4+1.12 |
| 6150 B1 | 24 AF | 149 | D5 | CF SDG XY REG AND LINE DRIVERS | | | 4+1.6 |
| 6150 B1 | 24 BF | 149 | D5 | CF SDG XY REG AND LINE DRIVERS | | | 4+1.6 |
| 6150 B1 | 24 CF | 14 | D5 | CF SDG XY REG AND LINE DRIVERS | | | 4+1.6 |
| 6150 B1 | 24 DF | 149 | D5 | CF SDG XY REG AND LINE DRIVERS | | | 4+1.6 |
| 6150 B1 | 24 EF | 149 | D5 | CF SDG XY REG AND LINE DRIVERS | | | 4+1.6 |
| 6150 B1 | 24 JF | 149 | D5 | CF SDG XY REG AND LINE DRIVERS | | | 4+1.6 |
| 6150 B1 | 24 KF | 149 | D5 | CF SDG XY REG AND LINE DRIVERS | | | 4+1.6 |
| 6150 B1 | 24 LF | 149 | D5 | CF SDG XY REG AND LINE DRIVERS | | | 4+1.6 |
| 6150 B1 | 24 MF | 149 | D5 | CF SDG XY REG AND LINE DRIVERS | | | 4+1.6 |
| 6150 B1 | 24 AS | 149 | D5 | CF SDG VECTOR OFF | | | 4+1.20 |
| 6150 B1 | 24 CN | 2 | D5 | CF SDG CHARACTER REGISTER | | | 4+1.10 |
| 6150 B1 | 24 CP | 2 | D5 | CF SDG CHARACTER REGISTER | | | 4+1.10 |
| 6150 B1 | 24 CR | 2 | D5 | CF SDG CHARACTER REGISTER | | | 4+1.10 |
| 6150 B1 | 24 CS | 2 | D5 | CF SDG CHARACTER REGISTER | | | 4+1.10A |
| 6150 B1 | 24 CT | 2 | D5 | CF SDG CHARACTER REGISTER | | | 4+1.10A |
| 6150 B1 | 24 CU | 2 | D5 | CF SDG CHARACTER REGISTER | | | 4+1.10A |
| 6150 B1 | 24 GF | 5 | G5 | CF SDG WORD FIVE STORAGE | | | 4+1.3 |
| 6150 B1 | 24 GH | 2-57-9G5 | G5 | CF SDG WORD FIVE STORAGE | | | 004+1.3 |
| 6150 B1 | 24 HG | 5 | G5 | CF SDG WORD FIVE STORAGE | | | 4+1.3 |
| 6150 B1 | 24 GM | 1256 | G5 | CF SDG WORD SEVEN STORAGE | | | 004+1.5 |
| 6150 B1 | 24 KU | 3 | D5 | CF SDG DISPLAY MESSAGE | | | 4+1.21 |
| 6150 B1 | 24 KU | 12 | D5 | CF SDG WORD SEVEN STORAGE | | | 4+1.5 |
| 6150 B1 | 24 JJ | 1234 | B5 | CF SDG CATEGORY STORAGE MATRIX | | | 4+1.7 |
| 6150 B1 | 24 KJ | 1234 | B5 | CF SDG CATEGORY STORAGE MATRIX | | | 4+1.7 |
| 6150 B1 | 24 KU | 1 | D5 | CF SDG USE LIGHT GUN | | | 4+1.4 |

| V C-L FR PU TUBES PINS | | | | | TYPE DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------------------------|----|----------|------|--|-------------------------------------|------|----------|---------|
| 6150 B1 | 24 | KU 2 | D5 | | CF SDG MISCELLANEOUS CONTROL | | | 4.1.2 |
| 6150 B1 | 24 | MS 3579 | B5 | | CF SDG RADAR DATA CONTROL | | | 4.1.21 |
| 6150 B1 | 24 | EX 7 | D5 | | CF SDG A FEATURE | | | 4.1.19 |
| 6150 B1 | 24 | FV 7 | D5 | | CF SDG B FEATURE | | | 4.1.19 |
| 6150 B1 | 24 | EV 7 | D5 | | CF SDG D FEATURE | | | 4.1.19 |
| 6150 B1 | 24 | JJ 7 | D5 | | CF SDG E FEATURE | | | 4.1.19 |
| 6150 B1 | 24 | CD 46 | B5 | | CF SDG TEST MIXING DRIVERS | | | 4.1.17 |
| 6150 B1 | 24 | CG 46 | B5 | | CF SDG TEST MIXING DRIVERS | | | 4.1.17 |
| 6150 B1 | 24 | BD 46 | B5 | | CF SDG TEST MIXING DRIVERS | | | 4.1.17 |
| | | | | | | | | |
| 6150 B2 | 24 | BR 9 | D5 | | CF SDG CHARACTER COUNTING AND POS | | | 4.1.11 |
| 6150 B2 | 24 | BS 9 | D5 | | CF SDG CHARACTER COUNTING AND POS | | | 4.1.11 |
| 6150 B2 | 24 | BT 9 | D5 | | CF SDG CHARACTER COUNTING AND POS | | | 4.1.11 |
| 6150 B2 | 24 | BU 9 | G5 | | CF SDG CHARACTER COUNTING AND POS | | | 4.1.11 |
| 6150 B2 | 24 | BV 9 | D5 | | CF SDG CHARACTER COUNTING AND POS | | | 4.1.11 |
| 6150 B2 | 24 | LX 1-9 | D5 | | CF SDG TIMER | | | 4.1.20 |
| 6150 B2 | 24 | MT 12 | D5 | | CF SDG MISCELLANEOUS CONTROL | | | 4.1.21 |
| | | | | | | | | |
| 6150 B4 | 24 | MU 2-589 | B5D5 | | CF SDG ON-OFF CTRL OD DIST & TIMER | | | 4.1.20 |
| 6150 B4 | 24 | EU 3489 | D5 | | CF SDG VECTOR CONTROL | | | 4.1.19 |
| 6150 B4 | 24 | FW 1289 | D5 | | CF SDG VECTOR CONTROL | | | 4.1.19 |
| 6150 B4 | 24 | GW 1289 | D5 | | CF SDG VECTOR CONTROL | | | 4.1.29 |
| 6150 B4 | 24 | JU 456 | B5 | | CF SDG VECTOR CONTROL & END TD MESS | | | 4.1.19 |
| 6150 B4 | 24 | EU 89 | D5 | | CF SDG A1/G1, VECTOR END TAB MSG | | | 4.1.19 |
| 6150 B4 | 24 | EW 1289 | D5 | | CF SDG A FEATURE | | | 4.1.19 |
| 6150 B4 | 24 | FU 1289 | D5 | | CF SDG A B D FEATURE & TRANSFER | | | 4.1.19 |
| 6150 B4 | 24 | EU 34 | D5 | | CF SDG B FEATURE | | | 4.1.19 |
| 6150 B4 | 24 | GW 1289 | D5 | | CF SDG B FEATURE | | | 4.1.19 |
| 6150 B4 | 24 | FW 1289 | D5 | | CF SDG C FEATURE | | | 4.1.19 |
| 6150 B4 | 24 | JU 67 | B5 | | CF SDG E & POINT FEATURE | | | 4.1.19 |
| 6150 B4 | 24 | JU 8 | B5 | | CF SDG A+C+D+E, FEATURE | | | 4.1.20 |
| | | | | | | | | |
| 6150 B5 | 24 | JX 6 | D5 | | CF SDG TIMER | | | 4.1.20 |
| 6150 B5 | 24 | KV 36-9 | D5 | | CF SDG TIMER | | | 4.1.20 |
| 6150 B5 | 24 | KW 2-589 | B5 | | CF SDG TIMER | | | 4.1.20 |
| 6150 B5 | 24 | KV 36 | D5 | | CF SDG BYPASS FEATURE | | | 4.1.20 |
| | | | | | | | | |
| 6150 C1 | 25 | ES 5-8 | D5 | | CF DDG WORD SEQUENCER | | | 4.5.1 |
| 6150 C1 | 25 | EW 34 | D5 | | CF DDG TEST CONTROL | | | 4.5.1 |
| | | | | | | | | |
| 6150 C2 | 25 | ES 234 | B5 | | CF DDG WORD SEQUENCER | | | 4.5.1 |
| 6150 C2 | 25 | EW 258 | B5 | | CF DDG TEST CONTROL | | | 4.5.1 |
| | | | | | | | | |
| 6150 C4 | 24 | MT 12 | D5 | | LA SDG MISCELLANEOUS CONTROL | | | 4.1.21 |
| 6150 C4 | 24 | KU 5-9 | G5 | | LA SDG MISCELLANEOUS CONTROL | | | 4.1.21 |
| | | | | | | | | |
| 6150 D1 | 24 | AT 26 | D5 | | CGT SDG VECTOR GENERATOR | | | 4.1.12A |
| 6150 D1 | 24 | AU 26 | D5 | | CGT SDG VECTOR GENERATOR | | | 4.1.12A |
| 6150 D1 | 24 | AV 26 | D5 | | CGT SDG VECTOR GENERATOR | | | 4.1.12A |
| | | | | | | | | |
| 6150 D4 | 23 | DG 7 | D5 | | VRD MI READOUT ALARM & ERROR | | | 002.2.1 |
| 6150 D4 | 23 | EF 7 | D5 | | VRD MI CEP 1 INTLK | | | 2.2.1 |
| 6150 D4 | 23 | EG 7 | D5 | | VRD MI CEP 2 INTLK | | | 2.2.1 |
| 6150 D4 | 23 | EH 7 | D5 | | VRD MI CEP 3 INTLK | | | 2.2.1 |
| | | | | | | | | |
| 6150 D5 | 25 | AE 6 | G5 | | VRD DDG CAMERA CONTROL | | | 4.6.1 |
| 6150 D5 | 25 | BC 4 | B5 | | VRD DDG CAMERA CONTROL | | | 4.6.1 |
| | | | | | | | | |
| 6150 E1 | 23 | BF 1267 | B5G5 | | BSS MI CORE READ & RESET | | | 2.2.2 |
| | | | | | | | | |
| 6150 E4 | 25 | BC 567 | D5 | | BSS DDG CAMERA CONTROL | | | 4.6.1 |
| | | | | | | | | |
| 6150 E5 | 23 | CC 2356 | D5 | | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 E5 | 23 | CD 2356 | D5 | | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 E5 | 23 | CE 2356 | D5 | | SAB MI BLOCKING OSC | | YY | 2.2.2 |
| 6150 E5 | 23 | CF 2356 | D5 | | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 E5 | 23 | CG 2356 | D5 | | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 E5 | 23 | CH 2356 | D5 | | SAB MI BLOCKING OSC | | | 2.2.2 |

MC-6

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|-------------|---------------------------------------|------|----------|---------|
| 6150 | E5 | 23 | CJ | 2356 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E5 | 23 | CK | 2356 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E5 | 23 | CL | 2356 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E5 | 23 | CM | 2356 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E5 | 23 | CN | 2356 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E5 | 23 | CP | 2356 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E5 | 23 | CR | 2356 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E5 | 23 | CS | 2356 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E5 | 23 | CT | 2356 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E5 | 23 | CU | 2356 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E5 | 23 | CW | 12 | D5 | SAB MI BLOCKING OSC | | | 2.2.2 |
| 6150 | E6 | 25 | AS | 156 | B5 | ALD DDG CHAR SEL LINE DRIVER | | | 004.3.4 |
| 6150 | E6 | 25 | DS | 156 | B5 | ALD DDG CHAR SEL LINE DRIVER | | | 004.3.4 |
| 6150 | F1 | 23 | BG | 9 | G5 | CSD MI SHIFT REG WDS 001-008 | | | 2.2.2 |
| 6150 | F1 | 23 | BH | 9 | G5 | CSD MI SHIFT REG WDS 009-016 | | | 2.2.2 |
| 6150 | F1 | 23 | BJ | 9 | G5 | CSD MI SHIFT REG WDS 017-024 | | | 2.2.2 |
| 6150 | F1 | 23 | BK | 9 | G5 | CSD MI SHIFT REG WDS 025-032 | | | 2.2.2 |
| 6150 | F1 | 23 | BL | 9 | G5 | CSD MI SHIFT REG WDS 033-040 | | | 2.2.2 |
| 6150 | F1 | 23 | BM | 9 | G5 | CSD MI SHIFT REG WDS 041-048 | | | 2.2.2 |
| 6150 | F1 | 23 | BN | 9 | G5 | CSD MI SHIFT REG WDS 049-056 | | | 2.2.2 |
| 6150 | F1 | 23 | BP | 9 | G5 | CSD MI SHIFT REG WDS 057-064 | | | 2.2.2 |
| 6150 | F1 | 23 | BR | 9 | G5 | CSD MI SHIFT REG WDS 065-072 | | | 2.2.2 |
| 6150 | F1 | 23 | BS | 9 | G5 | CSD MI SHIFT REG WDS 073-080 | | | 2.2.2 |
| 6150 | F1 | 23 | BT | 9 | G5 | CSD MI SHIFT REG WDS 081-088 | | | 2.2.2 |
| 6150 | F1 | 23 | BU | 9 | G5 | CSD MI SHIFT REG WDS 088-096 | | | 2.2.2 |
| 6150 | F1 | 23 | BV | 9 | G5 | CSD MI SHIFT REG WDS 097-104 | | | 2.2.2 |
| 6150 | F1 | 23 | BW | 9 | G5 | CSD MI SHIFT REG WDS 105-112 | | | 2.2.2 |
| 6150 | F1 | 23 | BX | 9 | G5 | CSD MI SHIFT REG WDS 113-120 | | | 2.2.2 |
| 6150 | F1 | 23 | BY | 9 | G5 | CSD MI SHIFT REG WDS 121-128 | | | 2.2.2 |
| 6150 | F2 | 24 | AW | 156 | B5 | ALD SDG VECTOR & CHAR POS LINE DRIVE | | | 4.1.11 |
| 6150 | F2 | 24 | BW | 156 | B5 | ALD SDG VECTOR & CHAR POS LINE DRIVE | | | 4.1.11 |
| 6150 | F2 | 24 | CW | 156 | B5 | ALD SDG CHARACTER SEL LINE DRIVERS | | | 4.1.10 |
| 6150 | F2 | 24 | DW | 156 | B5 | ALD SDG CHARACTER SEL LINE DRIVERS | | | 4.1.10 |
| 6150 | F4 | 25 | BT | 156 | B5 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| 6150 | F4 | 25 | CT | 156 | B5 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| 690 | A1 | 23 | DJ | 4 | G5 | GT MI TARGET AVAIL & LT GUN INTLK | | | 2.2.1 |
| 690 | A1 | 23 | DK | 4 | G5 | GT MI REG SET & REG AVAIL | | | 2.2.1 |
| 690 | A1 | 23 | DL | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | DM | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | DN | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | DP | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | DR | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | DS | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | DT | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | DU | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | EK | 5 | G5 | GT MI REG RSET DATA AVAIL INFO XFEZ02 | | | 2.2.1 |
| 690 | A1 | 23 | EL | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | EM | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | EN | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | EP | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | ER | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | ES | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | ET | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A1 | 23 | EU | 89 | G67 | GT MI REG | | | 2.2.1 |
| 690 | A2 | 23 | DC | 7 | G6 | GT DISPLAY TIMING | | | 2.2.1 |
| 690 | A2 | 23 | DD | 7 | G6 | GT DISPLAY TIMING | | | 2.2.1 |
| 690 | A2 | 23 | CD | 256 | B6D6G6 | GT MI AREA DISCRIM 1 & SYNC | | | 2.2.1 |
| 690 | A2 | 23 | DD | 256 | B6D6G6 | GT MI AREA DISCRIM 2 & SYNC | | | 2.2.1 |
| 690 | A2 | 23 | DF | 1-9 | B56D56G567G | GT MI LT GUN & AREA DISCRIM IDENT | | | 2.2.1 |
| 690 | A2 | 23 | DG | 246 | B6D6G6 | GT MI REG SELECTOR & SYNC | | | 2.2.1 |
| 690 | A2 | 23 | EF | 2 | B6 | GT MI CEP 1 SELECTOR & SYNC | | | 2.2.1 |
| 690 | A2 | 23 | EG | 246 | B6D6G6 | GT MI CEP 2 SELECTOR | | | 2.2.1 |
| 690 | A2 | 23 | EH | 2 | B6 | GT MI CEP 3 SELECTOR | | | 2.2.1 |
| 690 | A3 | 23 | BC | 67 | D6G6 | GT MI CORE READ IN & SHIFT FREQ DIV | | | 2.2.2 |
| 690 | A3 | 23 | BD | 5 | D6 | GT MI BREAK REQUEST | | | 2.2.2 |
| 690 | A3 | 23 | CW | 4 | D6 | AGT READOUT ERROR | | | 002.2.2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|-----|-----|----|----|----------|------------|------|----------------------------------|------|----------|----------|
| 690 | A4 | 24 | BS | 248 | B6 | GT | SDG CHARACTER COUNTING & POS | | | 4.1.1.1 |
| 690 | A4 | 24 | EY | 1-9 | B56D56G567 | GT | SDG INPUT GATES | | | 4.1.1.1 |
| 690 | A4 | 24 | GY | 2346-9 | B6D96G67 | GT | SDG INPUT GATES | | | 4.1.1.1 |
| 690 | A4 | 24 | HY | 2346-9 | B6D96G67 | GT | SDG INPUT GATES | | | 4.1.1.1 |
| 690 | A4 | 24 | KY | 1-9 | B56D56G567 | GT | SDG INPUT GATES | | | 4.1.1.1 |
| 690 | A4 | 24 | GY | 1 | B5 | GT | SDG SYMBOL SEQUENCER | | | 4.1.1.19 |
| 690 | A4 | 24 | HY | 1 | B5 | GT | SDG SYMBOL SEQUENCER | | | 4.1.1.19 |
| 690 | A4 | 24 | LT | 1234 | B56D56 | GT | SDG RADAR DATA CONTROL | | | 4.1.1.21 |
| 690 | A4 | 24 | LT | 5-9 | G567 | GT | SDG MISCELLANEOUS CONTROL | | | 4.1.1.21 |
| 690 | A5 | 24 | LV | 1-4 | B56D56 | GT | SDG ON-OFF CONTROL AND OD DIST | | | 4.1.1.20 |
| 690 | A5 | 24 | LW | 234 | B6D56 | GT | SDG TIMER | | | 4.1.1.20 |
| 690 | A5 | 24 | MS | 1 | B6 | APA | SDG RADAR DATA CONTROL | | | 4.1.1.21 |
| 690 | B1 | 25 | EX | 3 | D6 | GT | DDG TEST CONTROL | | | 4.5.1.1 |
| 690 | B1 | 25 | EV | 1-7 | B56D56G5 | GT | DDG TEST CONTROL | | | 4.5.1.1 |
| 690 | B2 | 25 | DY | 2357 | B56D56G6 | OSC | DDG 400KC TEST OSC | | | 4.5.1.1 |
| 690 | B2 | 25 | ER | 1-8 | B56D56G567 | GT | DDG WORD SEQUENCER | | | 4.5.1.1 |
| 690 | B4 | 25 | AH | 5-9 | G567 | GT | DDG CHARACTER TIMING & INTENSITY | | | 4.3.2.2 |
| 690 | B4 | 25 | CL | 1 | B5 | GT | DD ERASE GATE | | | 4.3.2.2 |
| 690 | B4 | 25 | CL | 2-5 | B6D96G5 | GT | DDG CONTRAST GATES | | | 4.3.2.2 |
| 690 | B5 | 25 | AC | 3 | D5 | GT | SD CAMERA CONTROL | | | 4.6.1.1 |
| 690 | B5 | 25 | AE | 7 | B6 | GT | SDG CAMERA CONTROL | | | 4.6.1.1 |
| 690 | B5 | 25 | AK | 68 | G56 | GT | DDG MASTER CONTROL | | | 4.3.2.2 |
| 690 | B5 | 25 | AK | 59 | D6G7 | GT | DDG CHARACTER TIMING & INTENSITY | | | 4.3.2.2 |
| 690 | B5 | 25 | BJ | 89 | G67 | GT | DDG MASTER CONTROL | | | 4.3.2.2 |
| 690 | B5 | 25 | BG | 67 | G6 | GT | DDG ERASE GATE | | | 4.3.2.2 |
| 690 | B6 | 25 | AC | 6-9 | G67 | GT | SDG CAMERA CONTROL | | | 4.6.1.1 |
| 690 | B6 | 25 | AM | 12689 | B56G567 | GT | DDG X POSITION COUNTER | | | 4.3.2.5 |
| 690 | B6 | 25 | BJ | 123 | B56G5 | GT | DDG CONTROL BIT SENSING | | | 4.3.2.2 |
| 690 | B6 | 25 | BG | 124 | B56D6 | GT | DDG MASTER CONTROL | | | 4.3.2.2 |
| 690 | B6 | 25 | DG | 1237-9 | B56D56G67 | GT | DDG SLOT COUNTER | | | 4.3.2.3 |
| 690 | B6 | 25 | DN | 12 | B56 | GT | DDG Y POSITION COUNTER | | | 4.3.2.5 |
| 690 | C1 | 23 | BC | 9 | G7 | PA | MI OD-1 POWERED | | | 2.2.2.2 |
| 690 | C1 | 23 | BD | 6 | G6 | PA | MI BREAK REQUEST | | | 2.2.2.2 |
| 690 | C1 | 23 | BF | 4 | D6 | PA | MI MATRIX DISCONNECT | | | 2.2.2.2 |
| 690 | C1 | 23 | DJ | 2 | D6 | PA | MI LT GUN INTLK | | | 2.2.2.1 |
| 690 | C4 | 30 | EW | 2-9 | B6D96G567 | BPA | WL REG DRIVER | | | 6.2.1-8 |
| 690 | D1 | 24 | GD | 23467886 | | PA | SDG TRANSFER CIRCUITS | | | 4.1.1-2 |
| 690 | D1 | 24 | GE | 23467886 | | PA | SDG TRANSFER CIRCUITS | | | 4.1.1-2 |
| 690 | D1 | 24 | HD | 23467886 | | PA | SDG TRANSFER CIRCUITS | | | 4.1.1-2 |
| 690 | D1 | 24 | HE | 23467886 | | PA | SDG TRANSFER CIRCUITS | | | 4.1.1-2 |
| 690 | D4 | 25 | EC | 2468 | B6D6G67 | CPA | DDG WORD OUTPUTS | | | 4.5.1.1 |
| 690 | D4 | 25 | ED | 2468 | B6D6G67 | CPA | DDG WORD OUTPUTS | | | 4.5.1.1 |
| 690 | D4 | 25 | EE | 2468 | B6D6G67 | CPA | DDG WORD OUTPUTS | | | 4.5.1.1 |
| 690 | D4 | 25 | EF | 2468 | B6D6G67 | CPA | DDG WORD OUTPUTS | | | 4.5.1.1 |
| 690 | D4 | 25 | EL | 2468 | B6D6G67 | CPA | DDG WORD OUTPUTS | | | 4.5.1.1 |
| 690 | D4 | 25 | EM | 2468 | B6D6G67 | CPA | DDG WORD OUTPUTS | | | 4.5.1.1 |
| 690 | D4 | 25 | EN | 2468 | B6D6G67 | CPA | DDG WORD OUTPUTS | | | 4.5.1.1 |
| 690 | D4 | 25 | EP | 2468 | B6D6G67 | CPA | DDG WORD OUTPUTS | | | 4.5.1.1 |
| 690 | D4 | 25 | EU | 189 | G7 | PA | DDG TEST CONTROL | | | 4.5.1.1 |
| 690 | D5 | 25 | EU | 2-7 | B6D56G56 | PA | DDG TEST CONTROL | | | 4.5.1.1 |
| 690 | E1 | 24 | LU | 34 | D56 | BPA | SDG MISCELLANEOUS CONTROL | | | 4.1.1.21 |
| 690 | E1 | 24 | GU | 23 | B6D5 | BPA | SDG MISCELLANEOUS CONTROL | | | 4.1.1.21 |
| 690 | E1 | 24 | JU | 1 | B6 | BPA | SDG SET POINT | | | 4.1.1.19 |
| 690 | E1 | 24 | LU | 12 | B56 | PA | SDG INPUT GATES | | | 4.1.1.1 |
| 690 | E1 | 24 | LU | 5 | G5 | BPA | SDG TRANSFER | | | 4.1.1.20 |
| 690 | E1 | 24 | GU | 14-9 | B5D6G567 | BPA | SDG ON-OFF CNTRL & OD DIST | | | 04.1.2.0 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------|-----|----|-------------|---------|------|--|------|----------|--------|
| 690 | E1 | 24 | LU 79 | G67 | | BPA SDG ON-OFF CONTROL AND OD DIST | | | 4.1.20 |
| 690 | E1 | 24 | LU 8 | G7 | | BPA SDG ON-OFF CONTROL AND OD DIST | | | 4.1.21 |
| 690 | E2 | 24 | EW 3467 | B6 | | CPA SDG A FEATURE | | | 4.1.19 |
| 690 | E2 | 24 | EU 1267 | B6 | | CPA SDG TRANSFER | | | 4.1.19 |
| 690 | E2 | 24 | FU 3467 | B6 | | CPA SDG TRANSFER | | | 4.1.19 |
| 690 | E2 | 24 | FW 3467 | B6 | | CPA SDG TRANSFER | | | 4.1.19 |
| 690 | E2 | 24 | GW 3467 | B6 | | CPA SDG TRANSFER | | | 4.1.19 |
| 690 | E4 | 25 | AN 1357 | B5D5G56 | | PA DDG X POSITION SHIFT CONTROL | | | 4.3.5 |
| 690 | E4 | 25 | AN 24 | B6D6 | | PA SDG CAMERA CONTROL | | | 4.6.1 |
| 690 | E4 | 25 | BC 3 | D6 | | PA SDG CAMERA CONTROL | | | 4.6.1 |
| 690 | E4 | 25 | BK 123 | B56D5 | | PA DDG MASTER CONTROL | | | 4.3.2 |
| 690 | F1 | 23 | DV 2-5 | B6D56G5 | | BPA MI MANUAL RESET | | | 2.2.1 |
| 690 | F1 | 23 | EK 367 | D6G6 | | BPA MI REG RSET DATA AVAIL INFO XFEZ02 | | | 2.2.1 |
| -150 | A1 | 23 | DC 4 | D7 | | CF6 MI AREA DISCRIM 1 & SYNC | | | 2.2.1 |
| -150 | A1 | 23 | DD 4 | D7 | | CF6 MI AREA DISCRIM 2 & SYNC | | | 2.2.1 |
| -150 | A1 | 23 | DJ 6 | D7 | | CF6 MI TARGET AVAIL | | | 2.2.1 |
| -150 | A1 | 23 | DK 6 | D7 | | CF6 MI REG AVAIL | | | 2.2.1 |
| -150 | A2 | 23 | DL 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | DM 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | DN 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | DP 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | DR 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | DS 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | DT 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | DU 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | EL 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | EM 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | EN 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | EP 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | ER 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | ES 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | ET 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A2 | 23 | EU 3 | D7 | | CF6 MI REG | | | 2.2.1 |
| -150 | A3 | 23 | DE 2-6 | B7 | | CF6 MI PASS LT GUN SIGNALS | | | 2.2.1 |
| -150 | A3 | 23 | DH 2-6 | B7D7 | | CF6 MI REG 6 CEP 1 SELECTORS | | | 2.2.1 |
| -150 | A3 | 23 | EJ 2-6 | B7D7 | | CF6 MI CEP 2 & 3 SELECTED | | | 2.2.1 |
| -150 | A4 | 24 | JJ 1-4 | B7 | | CF6 SDG CATEGORY STORAGE MATRIX | | | 4.1.7 |
| -150 | A4 | 24 | KJ 1-4 | B7 | | CF6 SDG CATEGORY STORAGE MATRIX | | | 4.1.7 |
| -150 | A4 | 24 | JU 47 | B7 | | CF6 SDG POINT FEATURE & END T D MESS | | | 4.1.19 |
| -150 | A4 | 24 | JU 8 | B7 | | CF6 SDG A.C.D.E. FEATURE | | | 4.1.20 |
| -150 | A4 | 24 | KV 36 | B7 | | CF6 SDG BYPASS FEATURE | | | 4.1.20 |
| -150 | A4 | 24 | KV 36-9 | B7 | | CF6 SDG TIMER | | | 4.1.20 |
| -150 | A4 | 24 | KW 378 | B7 | | CF6 SDG TIMER | | | 4.1.20 |
| -150 | A4 | 24 | JU 456 | B7 | | CF6 SDG VECTOR CONTROL & E FEATURE | | | 4.1.19 |
| -150 | A4 | 24 | MS 379 | D7 | | CF6 SDG MISC CONTROL | | | 4.1.21 |
| -150 | A5 | 24 | KU 2 | B7 | | CF6 SDG WORD ZERO STORAGE | | | 4.1.2 |
| -150 | A5 | 24 | KU 1 | B7 | | CF6 SDG USE LIGHT GUN | | | 4.1.4 |
| -150 | A5 | 24 | KU 12 | B7 | | CF6 SDG WORD SEVEN STORAGE | | | 4.1.5 |
| -150 | A5 | 24 | LX 1-9 | B7 | | CF6 SDG TIMER | | | 4.1.20 |
| -150 | A5 | 24 | MU 258 | B7 | | CF6 SDG ON-OFF CONTROL AND OD DIST | | | 4.1.20 |
| -150 | A5 | 24 | KU 3 | B7 | | CF6 SDG MISC CONTROL | | | 4.1.21 |
| -150 | A6 | 24 | HU 12356787 | | | CF6 SDG SYMBOL SEQ | | | 4.1.19 |
| -150 | A6 | 24 | HV 12356787 | | | CF6 SDG SYMBOL SEQ | | | 4.1.19 |
| -150 | A6 | 24 | HW 12356787 | | | CF6 SDG SYMBOL SEQ | | | 4.1.19 |
| -150 | B1 | 25 | CH 1-9 | D7 | | CF6 DDG SLOT COUNTER | | | 4.3.3 |
| -150 | B1 | 25 | DH 1-6 | D7 | | CF6 DDG SLOT COUNTER | | | 4.3.3 |
| -150 | B1 | 25 | DJ 1-9 | D7 | | CF6 DDG SLOT COUNTER | | | 4.3.3 |
| -150 | B4 | 25 | ES 234 | B7 | | CF6 DDG WORD SEQUENCER | | | 4.5.1 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|--------------------------------------|------|----------|---------|
| -150 | B4 | 25 | EW | 238 | B7 | CF6 DDG TEST CONTROL | | | 4.5.1 |
| -150 | C1 | 24 | AX | 1-7 | D7 | ALD SDG VECTOR 6 CHAR POS LINE DRIVE | | | 4.1.11 |
| -150 | C1 | 24 | AY | 1-7 | D7 | ALD SDG VECTOR 6 CHAR POS LINE DRIVE | | | 4.1.11 |
| -150 | C1 | 24 | BX | 1-7 | D7 | ALD SDG VECTOR 6 CHAR POS LINE DRIVE | | | 4.1.11 |
| -150 | C1 | 24 | BY | 1-7 | D7 | ALD SDG VECTOR 6 CHAR POS LINE DRIVE | | | 4.1.11 |
| -150 | C1 | 24 | CX | 1-7 | D7 | ALD SDG CHARACTER SEL LINE DRIVERS | | | 4.1.10 |
| -150 | C1 | 24 | CY | 1-7 | D7 | ALD SDG CHARACTER SEL LINE DRIVERS | | | 4.1.10 |
| -150 | C1 | 24 | DX | 1-7 | D7 | ALD SDG CHARACTER SEL LINE DRIVERS | | | 4.1.10 |
| -150 | C1 | 24 | DY | 1-7 | D7 | ALD SDG CHARACTER SEL LINE DRIVERS | | | 4.1.10 |
| -150 | C2 | 25 | AT | 1-7 | D7 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| -150 | C2 | 25 | AU | 1-7 | D7 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| -150 | C2 | 25 | AV | 1-7 | D7 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| -150 | C2 | 25 | AW | 1-7 | D7 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| -150 | C2 | 25 | BU | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 4.3.4 |
| -150 | C2 | 25 | BV | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 4.3.4 |
| -150 | C2 | 25 | BW | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 4.3.4 |
| -150 | C2 | 25 | BX | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 4.3.4 |
| -150 | C2 | 25 | CU | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 4.3.4 |
| -150 | C2 | 25 | CV | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 4.3.4 |
| -150 | C2 | 25 | CW | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 4.3.4 |
| -150 | C2 | 25 | CX | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 4.3.4 |
| -150 | C2 | 25 | DT | 1-7 | D7 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| -150 | C2 | 25 | DU | 1-7 | D7 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| -150 | C2 | 25 | DV | 1-7 | D7 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| -150 | C2 | 25 | DW | 1-7 | D7 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| -150 | C3 | 25 | BU | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 004.3.4 |
| -150 | C3 | 25 | BV | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 004.3.4 |
| -150 | C3 | 25 | BW | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 004.3.4 |
| -150 | C3 | 25 | BX | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 004.3.4 |
| -150 | C3 | 25 | CU | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 004.3.4 |
| -150 | C3 | 25 | CV | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 004.3.4 |
| -150 | C3 | 25 | CW | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 004.3.4 |
| -150 | C3 | 25 | CX | 1-7 | D7 | ALD DDG CHARACTER SEL LINE DRIVER | | | 004.3.4 |
| -150 | D1 | 23 | BC | 38 | B7D8 | BFF MI CORE READ IN 6 SHIFT FREQ DIV | | | 2.2.2 |
| -150 | D1 | 23 | BD | 3 | B7 | BFF MI BREAK REQUEST | | | 2.2.2 |
| -150 | D2 | 25 | EW | 167 | D8 | BFF DDG TEST CONTROL | | | 4.5.1 |
| -150 | D4 | 24 | AF | 368 | B7 | BFF SDG XY REG AND LINE DRIVERS | | | 004.1.6 |
| -150 | D4 | 24 | BF | 368 | B7 | BFF SDG XY REG AND LINE DRIVERS | | | 004.1.6 |
| -150 | D4 | 24 | CF | 36 | B7 | BFF SDG XY REG AND LINE DRIVERS | | | 4.1.6 |
| -150 | D4 | 24 | DF | 368 | B7 | BFF SDG XY REG AND LINE DRIVERS | | | 4.1.6 |
| -150 | D4 | 24 | EF | 368 | B7 | BFF SDG XY REG AND LINE DRIVERS | | | 4.1.6 |
| -150 | D4 | 24 | FF | 368 | B7 | BFF SDG XY REG AND LINE DRIVERS | | | 4.1.6 |
| -150 | D4 | 24 | GF | 368 | B7 | BFF SDG XY REG AND LINE DRIVERS | | | 4.1.6 |
| -150 | D4 | 24 | HF | 368 | B7 | BFF SDG XY REG AND LINE DRIVERS | | | 4.1.6 |
| -150 | D4 | 24 | IF | 368 | B7 | BFF SDG XY REG AND LINE DRIVERS | | | 4.1.6 |
| -150 | D4 | 24 | MF | 368 | B7 | BFF SDG XY REG AND LINE DRIVERS | | | 4.1.6 |
| -150 | D4 | 24 | AM | 368 | B7 | BFF SDG VECTOR REGISTER | | | 4.1.12 |
| -150 | D4 | 24 | AN | 368 | B7 | BFF SDG VECTOR REGISTER | | | 4.1.12 |
| -150 | D4 | 24 | AP | 368 | B7 | BFF SDG VECTOR REGISTER | | | 4.1.12 |
| -150 | D4 | 24 | AR | 368 | B7 | BFF SDG VECTOR REGISTER | | | 4.1.12 |
| -150 | D4 | 24 | AS | 368 | B7 | BFF SDG VECTOR REGISTER | | | 4.1.12 |
| -150 | D4 | 24 | AS | 368 | B7 | BFF SDG VECTOR OFF | | | 4.1.20 |
| -150 | D4 | 24 | CN | 3 | B7 | BFF SDG CHARACTER REGISTER | | | 4.1.10 |
| -150 | D4 | 24 | CP | 3 | B7 | BFF SDG CHARACTER REGISTER | | | 4.1.10 |
| -150 | D4 | 24 | CR | 3 | B7 | BFF SDG CHARACTER REGISTER | | | 4.1.10 |
| -150 | D4 | 24 | CS | 3 | B7 | BFF SDG CHARACTER REGISTER | | | 4.1.10 |
| -150 | D4 | 24 | CT | 3 | B7 | BFF SDG CHARACTER REGISTER | | | 4.1.10 |
| -150 | D4 | 24 | CU | 3 | B7 | BFF SDG CHARACTER REGISTER | | | 4.1.10 |
| -150 | D4 | 24 | KV | 2 | D7 | BFF SDG BYPASS FEATURE | | | 4.1.20 |
| -150 | D4 | 24 | MS | 246 | B7 | BFF SDG RADAR DATA CONTROL | | | 4.1.21 |
| -150 | D4 | 24 | MT | 7 | D7 | BFF SDG MISCELLANEOUS CONTROL | | | 4.1.21 |
| -150 | D4 | 24 | MU | 167 | D8 | BFF SDG ON-OFF CONTROL AND OD DIST | | | 4.1.20 |
| -150 | D5 | 23 | BE | 12 | B7 | AFF REGISTER SHIFT | | | 002.2.2 |
| -150 | E1 | 23 | BF | 1267 | B7D8 | BSS MI CURE READ & RESET | | | 2.2.2 |

MC-6

| V C-L FR PU TUBES PINS | | | | TYPE DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------------------------|-------|-------|------|------------------|--------------------------------|----------|---------|
| -150 E4 | 25 BD | 1-5 | B7 | PG | DDG CAMERA CONTROL | | 4.6.1 |
| -150 E4 | 26 BC | 567 | D7 | SS | DDG CAMERA CONTROL | | 4.6.1 |
| -150 D5 | 23 BE | 12 | B7 | AFF | MI REG SHIFT | | 2.2.2 |
| -150 F1 | 23 DV | 1 | B7 | PG | MI MANUAL RESET | | 2.2.1 |
| -150 F1 | 23 EF | 9 | D7 | BPG | MI CEP 1 INFO READY | 002.2.1 | |
| -150 F1 | 23 EG | 9 | D7 | PG | MI CEP 2 INFO READY | | 2.2.1 |
| -150 F1 | 23 EH | 9 | D7 | PG | MI CEP 3 INFO READY | | 2.2.1 |
| -150 F4 | 30 EW | 1 | B7 | ABPGWL | MANUAL RESET | | 6.2.1-8 |
| -300 A1 | 23 CW | 35 | B7D8 | CFF | MI READOUT ALARM & ERROR | | 2.2.1 |
| -300 A1 | 23 DJ | 35 | D8 | CFF | MI TARGET AVAIL & LT GUN INTLK | | 2.2.1 |
| -300 A1 | 23 DK | 35 | D8 | CFF | MI REG SET & REG AVAIL | | 2.2.1 |
| -300 A2 | 23 DC | 8 | D8 | CFF | AD 1 | | 2.2.1 |
| -300 A2 | 23 DD | 8 | D8 | CFF | AD 2 | | 2.2.1 |
| -300 A2 | 23 DC | 13 | D8 | CFF | MI AREA DISCRIM 1 & SYNC | | 2.2.1 |
| -300 A2 | 23 DD | 13 | D8 | CFF | MI AREA DISCRIM 2 & SYNC | | 2.2.1 |
| -300 A2 | 23 DG | 135 | D8 | CFF | MI REG SELECTOR & SYNC | | 2.2.1 |
| -300 A2 | 23 EF | 135 | D8 | CFF | MI CEP 1 SELECTOR & SYNC | | 2.2.1 |
| -300 A2 | 23 EG | 135 | D8 | CFF | MI CEP 2 SELECTOR | | 2.2.1 |
| -300 A2 | 23 EH | 135 | D8 | CFF | MI CEP 3 SELECTOR | | 2.2.1 |
| 690 A3 | 23 CW | 4 | D6 | GT | MI READOUT ALARM & ERROR | | 2.2.2 |
| -300 A3 | 23 DL | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 DM | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 DN | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 DP | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 DR | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 DS | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 DT | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 DU | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 EL | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 EM | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 EN | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 EP | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 ER | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 ES | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 ET | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A3 | 23 EU | 12 | B7 | CFF | MI REG | | 2.2.1 |
| -300 A4 | 24 BR | 1367 | D8 | CFF | SDG CHARACTER COUNTING AND POS | 4.1.11 | |
| -300 A4 | 24 BS | 1367 | D8 | CFF | SDG CHARACTER COUNTING AND POS | 4.1.11 | |
| -300 A4 | 24 BJ | 13679 | D8 | CFF | SDG DAB WORD TWO STORAGE | 4.1.7 | |
| -300 A4 | 24 CJ | 13679 | D8 | CFF | SDG DAB WORD TWO STORAGE | 4.1.7 | |
| -300 A4 | 24 DJ | 13679 | D8 | CFF | SDG DAB WORD TWO STORAGE | 4.1.7 | |
| -300 A4 | 24 EJ | 13679 | D8 | CFF | SDG DAB WORD TWO STORAGE | 4.1.7 | |
| -300 A4 | 24 GJ | 13679 | D8 | CFF | SDG DAB WORD TWO STORAGE | 4.1.6 | |
| -300 A4 | 24 HJ | 13679 | D8 | CFF | SDG DAB WORD TWO STORAGE | 4.1.7 | |
| -300 A4 | 24 DL | 13679 | D8 | CFF | SDG DAB WORD THREE STORAGE | 4.1.8 | |
| -300 A4 | 24 EL | 13679 | D8 | CFF | SDG DAB WORD THREE STORAGE | 4.1.8 | |
| -300 A4 | 24 FL | 13679 | D8 | CFF | SDG DAB WORD THREE STORAGE | 4.1.8 | |
| -300 A4 | 24 HL | 13679 | D8 | CFF | SDG DAB WORD THREE STORAGE | 4.1.8 | |
| -300 A4 | 24 JL | 13679 | D8 | CFF | SDG DAB WORD THREE STORAGE | 4.1.8 | |
| -300 A4 | 24 KL | 13679 | D8 | CFF | SDG DAB WORD THREE STORAGE | 4.1.8 | |
| -300 A4 | 24 LL | 39 | D8 | CFF | SDG DAB WORD THREE STORAGE | 4.1.8 | |
| -300 A4 | 24 DM | 13679 | D8 | CFF | SDG DAB WORD FOUR STORAGE | 4.1.9 | |
| -300 A4 | 24 EN | 13679 | D8 | CFF | SDG DAB WORD FOUR STORAGE | 4.1.9 | |
| -300 A4 | 24 FN | 13679 | D8 | CFF | SDG DAB WORD FOUR STORAGE | 4.1.9 | |
| -300 A4 | 24 HN | 13679 | D8 | CFF | SDG DAB WORD FOUR STORAGE | 4.1.9 | |
| -300 A4 | 24 JM | 13679 | D8 | CFF | SDG DAB WORD FOUR STORAGE | 4.1.9 | |
| -300 A4 | 24 KN | 13679 | D8 | CFF | SDG DAB WORD FOUR STORAGE | 4.1.9 | |
| -300 A4 | 24 LN | 39 | D8 | CFF | SDG DAB WORD FOUR STORAGE | 4.1.9 | |
| -300 A4 | 24 DP | 13679 | D8 | CFF | SDG WORD FIVE STORAGE | 4.1.3 | |
| -300 A4 | 24 EP | 13679 | D8 | CFF | SDG WORD FIVE STORAGE | 4.1.3 | |
| -300 A4 | 24 FP | 13679 | D8 | CFF | SDG WORD FIVE STORAGE | 4.1.3 | |
| -300 A4 | 24 HP | 13679 | D8 | CFF | SDG WORD FIVE STORAGE | 4.1.3 | |
| -300 A4 | 24 JP | 13679 | D8 | CFF | SDG WORD FIVE STORAGE | 4.1.3 | |
| -300 A4 | 24 KP | 13679 | D8 | CFF | SDG WORD FIVE STORAGE | 4.1.3 | |
| -300 A4 | 24 LP | 39 | D8 | CFF | SDG WORD FIVE STORAGE | 4.1.3 | |
| -300 A4 | 24 DR | 13679 | D8 | CFF | SDG WORD SIX STORAGE | 4.1.4 | |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|--------------------------------------|------|----------|---------|
| -300 | A4 | 24 | ER | 13679 | D8 | CFF SDG WORD SIX STORAGE | | | 4+1+4 |
| -300 | A4 | 24 | FR | 13679 | D8 | CFF SDG WORD SIX STORAGE | | | 4+1+4 |
| -300 | A4 | 24 | HR | 13679 | D8 | CFF SDG WORD SIX STORAGE | | | 4+1+4 |
| -300 | A4 | 24 | JR | 13679 | D8 | CFF SDG WORD SIX STORAGE | | | 4+1+4 |
| -300 | A4 | 24 | KR | 13679 | D8 | CFF SDG WORD SIX STORAGE | | | 4+1+4 |
| -300 | A4 | 24 | LR | 29 | D8 | CFF SDG WORD SIX STORAGE | | | 4+1+4 |
| -300 | A4 | 24 | DS | 13679 | D8 | CFF SDG WORD SEVEN STORAGE | | | 4+1+5 |
| -300 | A4 | 24 | ES | 13679 | D8 | CFF SDG WORD SEVEN STORAGE | | | 4+1+5 |
| -300 | A4 | 24 | FS | 13679 | D8 | CFF SDG WORD SEVEN STORAGE | | | 4+1+5 |
| -300 | A4 | 24 | HS | 13679 | D8 | CFF SDG WORD SEVEN STORAGE | | | 4+1+5 |
| -300 | A4 | 24 | JS | 13679 | D8 | CFF SDG WORD SEVEN STORAGE | | | 4+1+5 |
| -300 | A4 | 24 | KS | 13679 | D8 | CFF SDG WORD SEVEN STORAGE | | | 4+1+5 |
| -300 | A4 | 24 | LS | 39 | D8 | CFF SDG WORD SEVEN STORAGE | | | 4+1+5 |
| -300 | A4 | 24 | DT | 13679 | D8 | CFF SDG WORD ZERO STORAGE | | | 4+1+2 |
| -300 | A4 | 24 | ET | 13679 | D8 | CFF SDG WORD ZERO STORAGE | | | 4+1+2 |
| -300 | A4 | 24 | FT | 13679 | D8 | CFF SDG WORD ZERO STORAGE | | | 4+1+2 |
| -300 | A4 | 24 | HT | 13679 | D8 | CFF SDG WORD ZERO STORAGE | | | 4+1+2 |
| -300 | A4 | 24 | JT | 13679 | D8 | CFF SDG WORD ZERO STORAGE | | | 4+1+2 |
| -300 | A4 | 24 | KT | 13679 | D8 | CFF SDG WORD ZERO STORAGE | | | 4+1+2 |
| -300 | A4 | 24 | JJ | 68 | D8 | CFF SDG CATEGORY STORAGE MATRIX | | | 4+1+7 |
| -300 | A4 | 24 | KJ | 689 | D8 | CFF SDG CATEGORY STORAGE MATRIX | | | 4+1+7 |
| -300 | A4 | 24 | MT | 6 | D8 | CFF SDG MISCELLANEOUS CONTROL | | | 4+1+21 |
| -300 | A5 | 24 | HX | 23578 | D8 | CFF SDG SYMBOL SEQUENCER | | | 4+1+19 |
| -300 | A6 | 24 | LY | 23578 | D8 | CFF SDG TIMER | | | 4+1+20 |
| -300 | B1 | 25 | AD | 23578 | D8 | CFF SDG CAMERA CONTROL | | | 4+6+1 |
| -300 | B1 | 25 | AJ | 23578 | D8 | CFF DDG CHARACTER TIMING & CONTROL | | | 4+3+2 |
| -300 | B1 | 25 | BN | 23678 | D8 | CFF DDG CHARACTER STORAGE AND REG | | | 4+3+4 |
| -300 | B1 | 25 | BP | 23678 | D8 | CFF DDG CHARACTER STORAGE AND REG | | | 4+3+4 |
| -300 | B1 | 25 | BR | 23678 | D8 | CFF DDG CHARACTER STORAGE AND REG | | | 4+3+4 |
| -300 | B1 | 25 | CN | 23678 | D8 | CFF DDG CHARACTER STORAGE AND REG | | | 4+3+4 |
| -300 | B1 | 25 | CP | 23678 | D8 | CFF DDG CHARACTER STORAGE AND REG | | | 4+3+4 |
| -300 | B1 | 25 | CR | 23678 | D8 | CFF DDG CHARACTER STORAGE AND REG | | | 4+3+4 |
| -300 | B2 | 25 | AE | 45 | D8 | CFF DDG CAMERA CONTROL | | | 4+6+1 |
| -300 | B2 | 25 | AG | 23578 | D8 | CFF DDG CHARACTER TIMING & INTENSITY | | | 4+3+2 |
| -300 | B2 | 25 | CK | 23578 | D8 | CFF DDG ERASE GATE | | | 4+3+2 |
| -300 | B4 | 25 | BH | 235 | D8 | CFF DDG MASTER CONT& & ERASE GATE | | | 4+3+2 |
| -300 | B4 | 25 | CM | 23578 | D8 | CFF DDG CONTRAST GATES | | | 4+3+2 |
| -300 | B4 | 25 | BH | 78 | D8 | CFF DDG CONTROL BIT SENSING | | | 4+3+2 |
| -300 | B5 | 25 | AP | 3578 | D8 | CFF DDG X POSITION COUNTER | | | 4+3+5 |
| -300 | B5 | 25 | AP | 2 | D8 | CFF DDG CHARACTER TIMING & INTENSITY | | | 4+3+2 |
| -300 | B5 | 25 | CJ | 25 | D8 | CFF DDG SLOT COUNTER FF | | | 4+3+2 |
| -300 | B5 | 25 | CJ | 378 | D8 | CFF DDG SLOT COUNTER FF | | | 4+3+3 |
| -300 | B5 | 25 | DK | 2357 | D8 | CFF DDG SLOT COUNTER | | | 4+3+3 |
| -300 | B5 | 25 | DP | 2357 | D8 | CFF DDG Y POSITION COUNTER | | | 4+3+5 |
| -300 | C1 | 30 | BC | 1245 | D8 | CFF WL REGISTER WD 1 | | | 6+2+1 |
| -300 | C1 | 30 | BD | 1245 | D8 | CFF WL REGISTER WD 1 | | | 6+2+1-5 |
| -300 | C1 | 30 | CC | 1245 | D8 | CFF WL REGISTER WD 1 | | | 6+2+1-2 |
| -300 | C1 | 30 | CD | 1245 | D8 | CFF WL REGISTER WD 1 | | | 6+2+1-6 |
| -300 | C1 | 30 | DC | 1245 | D8 | CFF WL REGISTER WD 1 | | | 6+2+1-3 |
| -300 | C1 | 30 | DE | 1245 | D8 | CFF WL REGISTER WD 1 | | | 6+2+1-7 |
| -300 | C1 | 30 | EC | 1245 | D8 | CFF WL REGISTER WD 1 | | | 6+2+1-4 |
| -300 | C1 | 30 | ED | 1245 | D8 | CFF WL REGISTER WD 1 | | | 6+2+1-8 |
| -300 | C1 | 30 | BE | 1245 | D8 | CFF WL REGISTER WD2 | | | 6+2+1.. |
| -300 | C1 | 30 | BF | 1245 | D8 | CFF WL REGISTER WD2 | | | 6+2+1-5 |
| -300 | C1 | 30 | CE | 1245 | D8 | CFF WL REGISTER WD2 | | | 6+2+1-2 |
| -300 | C1 | 30 | CF | 1245 | D8 | CFF WL REGISTER WD2 | | | 6+2+1-6 |
| -300 | C1 | 30 | DE | 1245 | D8 | CFF WL REGISTER WD2 | | | 6+2+1-3 |
| -300 | C1 | 30 | DF | 1245 | D8 | CFF WL REGISTER WD2 | | | 6+2+1-7 |
| -300 | C1 | 30 | EE | 1245 | D8 | CFF WL REGISTER WD2 | | | 6+2+1-4 |
| -300 | C1 | 30 | EF | 1245 | D8 | CFF WL REGISTER WD2 | | | 6+2+1-8 |
| -300 | C1 | 30 | BG | 1245 | D8 | CFF WL REGISTER WD 3 | | | 6+2+1 |
| -300 | C1 | 30 | BH | 1245 | D8 | CFF WL REGISTER WD 3 | | | 5+2+1-5 |
| -300 | C1 | 30 | CG | 1245 | D8 | CFF WL REGISTER WD 3 | | | 5+2+1-2 |
| -300 | C1 | 30 | CH | 1245 | D8 | CFF WL REGISTER WD 3 | | | 6+2+1-6 |
| -300 | C1 | 30 | DG | 1245 | D8 | CFF WL REGISTER WD 3 | | | 6+2+1-3 |
| -300 | C1 | 30 | DH | 1245 | D8 | CFF WL REGISTER WD 3 | | | 6+2+1-7 |

MC-6

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|--------------------------------------|------|----------|---------|
| -300 | C1 | 30 | EG | 1245 | D8 | CFF WL REGISTER WD 3 | | | 6.2.1-4 |
| -300 | C1 | 30 | EH | 1245 | D8 | CFF WL REGISTER WD 3 | | | 6.2.1-8 |
| -300 | C1 | 30 | BJ | 1245 | D8 | CFF WL REGISTER WD 4 | | | 6.2.1 |
| -300 | C1 | 30 | BK | 1245 | D8 | CFF WL REGISTER WD 4 | | | 6.2.1-5 |
| -300 | C1 | 30 | CJ | 1245 | D8 | CFF WL REGISTER WD 4 | | | 6.2.1-2 |
| -300 | C1 | 30 | CK | 1245 | D8 | CFF WL REGISTER WD 4 | | | 6.2.1-6 |
| -300 | C1 | 30 | DJ | 1245 | D8 | CFF WL REGISTER WD 4 | | | 6.2.1-3 |
| -300 | C1 | 30 | DK | 1245 | D8 | CFF WL REGISTER WD 4 | | | 6.2.1-7 |
| -300 | C1 | 30 | EJ | 1245 | D8 | CFF WL REGISTER WD 4 | | | 6.2.1-4 |
| -300 | C1 | 30 | EK | 1245 | D8 | CFF WL REGISTER WD 4 | | | 6.2.1-8 |
| -300 | C1 | 30 | BL | 1245 | D8 | CFF WL REGISTER WD 5 | | | 6.2.1 |
| -300 | C1 | 30 | BM | 1245 | D8 | CFF WL REGISTER WD 5 | | | 6.2.1-5 |
| -300 | C1 | 30 | CL | 1245 | D8 | CFF WL REGISTER WD 5 | | | 6.2.1-2 |
| -300 | C1 | 30 | CM | 1245 | D8 | CFF WL REGISTER WD 5 | | | 6.2.1-6 |
| -300 | C1 | 30 | DL | 1245 | D8 | CFF WL REGISTER WD 5 | | | 6.2.1-3 |
| -300 | C1 | 30 | DM | 1245 | D8 | CFF WL REGISTER WD 5 | | | 6.2.1-7 |
| -300 | C1 | 30 | EL | 1245 | D8 | CFF WL REGISTER WD 5 | | | 6.2.1-4 |
| -300 | C1 | 30 | EM | 1245 | D8 | CFF WL REGISTER WD 5 | | | 6.2.1-8 |
| -300 | C1 | 30 | BN | 1245 | D8 | CFF WL REGISTER WD 6 | | | 6.2.1 |
| -300 | C1 | 30 | BP | 1245 | D8 | CFF WL REGISTER WD 6 | | | 6.2.1-5 |
| -300 | C1 | 30 | CN | 1245 | D8 | CFF WL REGISTER WD 6 | | | 6.2.1-2 |
| -300 | C1 | 30 | CP | 1245 | D8 | CFF WL REGISTER WD 6 | | | 6.2.1-6 |
| -300 | C1 | 30 | DN | 1245 | D8 | CFF WL REGISTER WD 6 | | | 6.2.1-3 |
| -300 | C1 | 30 | DP | 1245 | D8 | CFF WL REGISTER WD 6 | | | 6.2.1-7 |
| -300 | C1 | 30 | EN | 1245 | D8 | CFF WL REGISTER WD 6 | | | 6.2.1-4 |
| -300 | C1 | 30 | EP | 1245 | D8 | CFF WL REGISTER WD 6 | | | 6.2.1-8 |
| -300 | C1 | 30 | BR | 1245 | D8 | CFF WL REGISTER WD 7 | | | 6.2.1 |
| -300 | C1 | 30 | BS | 1245 | D8 | CFF WL REGISTER WD 7 | | | 6.2.1-5 |
| -300 | C1 | 30 | CR | 1245 | D8 | CFF WL REGISTER WD 7 | | | 6.2.1-2 |
| -300 | C1 | 30 | CS | 1245 | D8 | CFF WL REGISTER WD 7 | | | 6.2.1-6 |
| -300 | C1 | 30 | DR | 1245 | D8 | CFF WL REGISTER WD 7 | | | 6.2.1-3 |
| -300 | C1 | 30 | DS | 1245 | D8 | CFF WL REGISTER WD 7 | | | 6.2.1-7 |
| -300 | C1 | 30 | ER | 1245 | D8 | CFF WL REGISTER WD 7 | | | 6.2.1-4 |
| -300 | C1 | 30 | ES | 1245 | D8 | CFF WL REGISTER WD 7 | | | 6.2.1-8 |
| -300 | C1 | 30 | BT | 1245 | D8 | CFF WL REGISTER WD 8 | | | 6.2.1 |
| -300 | C1 | 30 | BU | 1245 | D8 | CFF WL REGISTER WD 8 | | | 6.2.1-5 |
| -300 | C1 | 30 | CT | 1245 | D8 | CFF WL REGISTER WD 8 | | | 6.2.1-2 |
| -300 | C1 | 30 | CU | 1245 | D8 | CFF WL REGISTER WD 8 | | | 6.2.1-6 |
| -300 | C1 | 30 | DT | 1245 | D8 | CFF WL REGISTER WD 8 | | | 6.2.1-3 |
| -300 | C1 | 30 | DU | 1245 | D8 | CFF WL REGISTER WD 8 | | | 6.2.1-7 |
| -300 | C1 | 30 | ET | 1245 | D8 | CFF WL REGISTER WD 8 | | | 6.2.1-4 |
| -300 | C1 | 30 | EU | 1245 | D8 | CFF WL REGISTER WD 8 | | | 6.2.1-8 |
| -300 | C4 | 25 | ET | 3578 | D8 | CFF DDG WORD SEQUENCER & TEST CNTRL | | | 4.5.1 |
| -300 | C4 | 25 | EX | 246 | D8 | CFF DDG TEST CONTROL | | | 4.5.1 |
| -300 | C6 | 25 | BT | 14 | D8 | ALD DDG CHAR SEL LINE DRIVE19 | | | 4.3.4 |
| -300 | D1 | 25 | AR | 258 | D8 | CUS DDG CHARACTER POSITION DECODER | | | 4.3.5 |
| -300 | D1 | 25 | DR | 258 | D8 | CUS DDG CHARACTER POSITION DECODER | | | 4.3.5 |
| -300 | D1 | 25 | CS | 258 | D8 | CUS DDG CHARACTER SEL DECODER | | | 4.3.4 |
| -300 | D4 | 24 | AT | 8 | D8 | CF SDG SWEEP | | | 4.1.12A |
| -300 | D4 | 24 | AV | 8 | D8 | CF SDG SWEEP | | | 4.1.12A |
| -300 | D4 | 24 | BU | 1-8 | D8 | CUS SDG CHARACTER POS DECODERS | | | 4.1.11 |
| -300 | D4 | 24 | CV | 258 | D8 | CUS SDG CHARACTER SELECTION DECODERS | | | 4.1.10B |
| -300 | F1 | 30 | BC | 67 | D7 | WLD WL RELAY DRIVERS WORD 1 | | | 6.2.1 |
| -300 | F1 | 30 | BD | 67 | D7 | WLD WL RELAY DRIVERS WORD 1 | | | 6.2.1-5 |
| -300 | F1 | 30 | CC | 67 | D7 | WLD WL RELAY DRIVERS WORD 1 | | | 6.2.1-2 |
| -300 | F1 | 30 | CD | 67 | D7 | WLD WL RELAY DRIVERS WORD 1 | | | 6.2.1-6 |
| -300 | F1 | 30 | DC | 67 | D7 | WLD WL RELAY DRIVERS WORD 1 | | | 6.2.1-3 |
| -300 | F1 | 30 | DD | 67 | D7 | WLD WL RELAY DRIVERS WORD 1 | | | 6.2.1-7 |
| -300 | F1 | 30 | EC | 67 | D7 | WLD WL RELAY DRIVERS WORD 1 | | | 6.2.1-4 |
| -300 | F1 | 30 | ED | 67 | D7 | WLD WL RELAY DRIVERS WORD 1 | | | 6.2.1-8 |
| -300 | F1 | 30 | BE | 67 | D7 | WLD WL RELAY DRIVERS WORD 2 | | | 6.2.1 |
| -300 | F1 | 30 | BF | 67 | D7 | WLD WL RELAY DRIVERS WORD 2 | | | 6.2.1-5 |
| -300 | F1 | 30 | CE | 67 | D7 | WLD WL RELAY DRIVERS WORD 2 | | | 6.2.1-2 |
| -300 | F1 | 30 | CF | 67 | D7 | WLD WL RELAY DRIVERS WORD 2 | | | 6.2.1-6 |
| -300 | F1 | 30 | DE | 67 | D7 | WLD WL RELAY DRIVERS WORD 2 | | | 6.2.1-3 |
| -300 | F1 | 30 | DF | 67 | D7 | WLD WL RELAY DRIVERS WORD 2 | | | 6.2.1-7 |
| -300 | F1 | 30 | EE | 67 | D7 | WLD WL RELAY DRIVERS WORD 2 | | | 6.2.1-4 |
| -300 | F1 | 30 | EF | 67 | D7 | WLD WL RELAY DRIVERS WORD 2 | | | 6.2.1-8 |
| -300 | F1 | 30 | EG | 67 | D7 | WLD WL RELAY DRIVERS WORD 3 | | | 6.2.1 |
| -300 | F1 | 30 | EH | 67 | D7 | WLD WL RELAY DRIVERS WORD 3 | | | 6.2.1-5 |

| V C-L FR PU TUBES PINS | | | | TYPE DESCRIPTION | MC-6 | 05/01/60 | LOGIC |
|------------------------|-------|----|----|--------------------------------------|--------|----------|---------|
| -300 F1 | 30 CG | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-2 |
| -300 F1 | 30 CH | 67 | D7 | WLD WL RELAY DRIVERS | WORD 2 | | 6.2.1-6 |
| -300 F1 | 30 DG | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-3 |
| -300 F1 | 30 DH | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-7 |
| -300 F1 | 30 EH | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-8 |
| -300 F1 | 30 BJ | 67 | D7 | WLD WL RELAY DRIVERS | WORD 4 | | 6.2.1 |
| -300 F1 | 30 BK | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-5 |
| -300 F1 | 30 EG | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-4 |
| -300 F1 | 30 CJ | 67 | D7 | WLD WL RELAY DRIVERS | WORD 4 | | 6.2.1-2 |
| -300 F1 | 30 CK | 67 | D7 | WLD WL RELAY DRIVERS | WORD 4 | | 6.2.1-6 |
| -300 F1 | 30 DJ | 67 | D7 | WLD WL RELAY DRIVERS | WORD 4 | | 6.2.1-3 |
| -300 F1 | 30 EK | 67 | D7 | WLD WL RELAY DRIVERS | WORD 4 | | 6.2.1-7 |
| -300 F1 | 30 EJ | 67 | D7 | WLD WL RELAY DRIVERS | WORD 4 | | 6.2.1-4 |
| -300 F1 | 30 EK | 67 | D7 | WLD WL RELAY DRIVERS | WORD 4 | | 6.2.1-8 |
| -300 F1 | 30 EL | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1 |
| -300 F1 | 30 EM | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-5 |
| -300 F1 | 30 CL | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-2 |
| -300 F1 | 30 CM | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-6 |
| -300 F1 | 30 CM | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-3 |
| -300 F1 | 30 DM | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-7 |
| -300 F1 | 30 EL | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-4 |
| -300 F1 | 30 EM | 67 | D7 | WLD WL RELAY DRIVERS | WORD 3 | | 6.2.1-8 |
| -300 F1 | 30 BN | 67 | D7 | WLD WL RELAY DRIVERS | WORD 6 | | 6.2.1 |
| -300 F1 | 30 BP | 67 | D7 | WLD WL RELAY DRIVERS | WORD 6 | | 6.2.1-5 |
| -300 F1 | 30 CN | 67 | D7 | WLD WL RELAY DRIVERS | WORD 6 | | 6.2.1-2 |
| -300 F1 | 30 CP | 67 | D7 | WLD WL RELAY DRIVERS | WORD 6 | | 6.2.1-6 |
| -300 F1 | 30 DN | 67 | D7 | WLD WL RELAY DRIVERS | WORD 6 | | 6.2.1-3 |
| -300 F1 | 30 DP | 67 | D7 | WLD WL RELAY DRIVERS | WORD 6 | | 6.2.1-7 |
| -300 F1 | 30 EN | 67 | D7 | WLD WL RELAY DRIVERS | WORD 6 | | 6.2.1-4 |
| -300 F1 | 30 EP | 67 | D7 | WLD WL RELAY DRIVERS | WORD 6 | | 6.2.1-8 |
| -300 F1 | 30 BR | 67 | D7 | WLD WL RELAY DRIVERS | WORD 7 | | 6.2.1 |
| -300 F1 | 30 BS | 67 | D7 | WLD WL RELAY DRIVERS | WORD 7 | | 6.2.1-5 |
| -300 F1 | 30 CR | 67 | D7 | WLD WL RELAY DRIVERS | WORD 7 | | 6.2.1-2 |
| -300 F1 | 30 CS | 67 | D7 | WLD WL RELAY DRIVERS | WORD 7 | | 6.2.1-6 |
| -300 F1 | 30 DR | 67 | D7 | WLD WL RELAY DRIVERS | WORD 7 | | 6.2.1-3 |
| -300 F1 | 30 DS | 67 | D7 | WLD WL RELAY DRIVERS | WORD 7 | | 6.2.1-7 |
| -300 F1 | 30 ER | 67 | D7 | WLD WL RELAY DRIVERS | WORD 7 | | 6.2.1-4 |
| -300 F1 | 30 ES | 67 | D7 | WLD WL RELAY DRIVERS | WORD 7 | | 6.2.1-8 |
| -300 F1 | 30 BT | 67 | D7 | WLD WL RELAY DRIVERS | WORD 8 | | 6.2.1 |
| -300 F1 | 30 BU | 67 | D7 | WLD WL RELAY DRIVERS | WORD 8 | | 6.2.1-5 |
| -300 F1 | 30 CT | 67 | D7 | WLD WL RELAY DRIVERS | WORD 8 | | 6.2.1-2 |
| -300 F1 | 30 CU | 67 | D7 | WLD WL RELAY DRIVERS | WORD 8 | | 6.2.1-6 |
| -300 F1 | 30 DT | 67 | D7 | WLD WL RELAY DRIVERS | WORD 8 | | 6.2.1-3 |
| -300 F1 | 30 DU | 67 | D7 | WLD WL RELAY DRIVERS | WORD 8 | | 6.2.1-7 |
| -300 F1 | 30 ET | 67 | D7 | WLD WL RELAY DRIVERS | WORD 8 | | 6.2.1-4 |
| -300 F1 | 30 EU | 67 | D7 | WLD WL RELAY DRIVERS | WORD 8 | | 6.2.1-8 |
| -300 F2 | 24 AW | 14 | D8 | ALD SDG VECTOR 6 CHAR POS LINE DRIVE | | | 4.1.11 |
| -300 F2 | 24 BW | 14 | D8 | ALD SDG VECTOR 6 CHAR POS LINE DRIVE | | | 4.1.11 |
| -300 F2 | 24 CW | 14 | D8 | ALD SDG CHARACTER SEL LINE DRIVERS | | | 4.1.10 |
| -300 F2 | 24 DW | 14 | D8 | ALD SDG CHARACTER SEL LINE DRIVERS | | | 4.1.10 |
| -300 F4 | 25 AS | 14 | D8 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |
| -300 F4 | 25 DS | 14 | D8 | ALD DDG CHARACTER POS LINE DRIVER | | | 4.3.5 |

MC-7

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-7 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|-----------------------------------|------|----------|---------|
| 6250 | A1 | 32 | JG | 3 | 85 | I LINE PARITY | | | B-2.3.5 |
| 6250 | A1 | 32 | JG | 19 | 85 | LA LINE PARITY | | | B-2.3.5 |
| 6250 | A1 | 32 | JS | 234 | 85 | PCF XTEL CH 13-18,19-24 | | | B-2.3.5 |
| 6250 | A1 | 32 | JS | 567 | 85 | PCF XTEL CH 13-18,19-24 | | | B-2.3.5 |
| 6250 | A1 | 32 | GU | 2-7 | 85 | PCF XTEL PULSE DISTRIB | | | A-2.3.5 |
| 6250 | A1 | 32 | JU | 2-7 | 85 | PCF XTEL PULSE DISTRIB | | | B-2.3.5 |
| 6250 | A1 | 32 | GO | 178 | 85 | LA XTEL CLOCK & SITE IDENT PARITY | | | A-2.3.5 |
| 6250 | A1 | 32 | JO | 178 | 85 | LA XTEL CLOCK & SITE IDENT PARITY | | | B-2.3.5 |
| 6250 | A1 | 32 | GC | 12356 | 85 | LA XTEL DRUM PARITY | | | A-2.3.5 |
| 6250 | A1 | 32 | JC | 12356 | 85 | LA XTEL DRUM PARITY | | | B-2.3.5 |
| 6250 | A1 | 32 | GK | 1-9 | 85 | LA XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6250 | A1 | 32 | GL | 1-9 | 85 | LA XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6250 | A1 | 32 | GM | 789 | 85 | LA XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6250 | A1 | 32 | HK | 1-9 | 85 | LA XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6250 | A1 | 32 | HL | 1-9 | 85 | LA XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6250 | A1 | 32 | HM | 1-9 | 85 | LA XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6250 | A1 | 32 | JK | 1-9 | 85 | LA XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6250 | A1 | 32 | JL | 1-9 | 85 | LA XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6250 | A1 | 32 | JM | 789 | 85 | LA XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6250 | A1 | 32 | KK | 1-9 | 85 | LA XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6250 | A1 | 32 | KL | 1-9 | 85 | LA XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6250 | A1 | 32 | KM | 1-9 | 85 | LA XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6250 | B1 | 41 | FE | 12 | 85 | PCF LRI PULSE DISTRIB | | | B-2.4.6 |
| 6250 | B1 | 41 | HN | 12 | 85 | PCF LRI PULSE DISTRIB | | | B-2.4.6 |
| 6250 | B1 | 41 | UE | 12 | 85 | PCF LRI PULSE DISTRIB | | | A-2.4.6 |
| 6250 | B1 | 41 | WN | 12 | 85 | PCF LRI PULSE DISTRIB | | | B-2.4.6 |
| 6250 | B2 | 41 | FF | 1-6 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | FH | 1-6 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | FK | 1-6 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | FL | 1-6 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | FN | 1-6 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | FR | 1-6 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | FS | 1-6 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | FU | 1-6 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | GK | 1-9 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | GM | 1-9 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | GN | 1-9 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | GR | 1-9 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | GT | 1-9 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | GV | 1-9 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | UF | 1-6 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | UH | 1-6 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | UK | 1-6 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | UL | 1-6 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | UN | 1-6 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | UR | 1-6 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | US | 1-6 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | UU | 1-6 | 85 | LA LRI READ OUT CONTROL | | | A-2.4.6 |
| 6250 | B2 | 41 | VK | 1-9 | 85 | LA LRI READ-OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | VM | 1-9 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | VN | 1-9 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | VR | 1-9 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | VT | 1-9 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | VV | 1-9 | 85 | LA LRI READ OUT CONTROL | | | B-2.4.6 |
| 6250 | B2 | 41 | FC | 34 | 06 | LA LRI LONG WORD | | | B-2.4.6 |
| 6250 | B2 | 41 | UC | 34 | 06 | LA LRI LONG WORD | | | A-2.4.6 |
| 6250 | B2 | 41 | HU | 5 | 85 | I LRI SITE PARITY | | | A-2.4.6 |
| 6250 | B2 | 41 | WU | 5 | 85 | I LRI SITE PARITY | | | B-2.4.6 |
| 6250 | B2 | 41 | HV | 2-6 | 85 | LA ILRI SITE PARITY | | | A-2.4.6 |
| 6250 | B2 | 41 | HW | 125 | 85 | LA ILRI SITE PARITY | | | A-2.4.6 |
| 6250 | B2 | 41 | NW | 125 | 85 | LA ILRI SITE PARITY | | | B-2.4.6 |
| 6250 | B2 | 41 | WV | 2-6 | 85 | LA ILRI WORD 1 PARITY | | | B-2.4.6 |
| 6250 | C1 | 93 | BT | 267 | 85 | LA SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| 6250 | C1 | 93 | BU | 267 | 85 | LA SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| 6250 | C1 | 93 | BV | 267 | 85 | LA SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| 6250 | C1 | 93 | BW | 267 | 85 | LA SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| 6250 | C1 | 93 | BX | 267 | 85 | LA SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| 6250 | C1 | 93 | BY | 267 | 85 | LA SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| 6250 | C1 | 93 | B1 | 267 | 85 | LA SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| 6250 | C1 | 93 | B2 | 267 | 85 | LA SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| 6150 | A1 | 32 | HU | 6 | D5 | CF XTEL CLOCK | | | A-2.3.5 |
| 6150 | A1 | 32 | HV | 47 | D5 | CF XTEL CLOCK | | | A-2.3.5 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-7 | 05/01/60 | LOGIC |
|------|-----|----|----|------------|--------|------|--------------------------------|------|----------|---------|
| 6150 | A1 | 32 | HW | 4 | D5 | CF | XTEL CLOCK | | | A-2.3.5 |
| 6150 | A1 | 32 | KU | 6 | D5 | CF | XTEL CLOCK | | | B-2.3.5 |
| 6150 | A1 | 32 | KV | 47 | D5 | CF | XTEL CLOCK | | | B-2.3.5 |
| 6150 | A1 | 32 | KW | 4 | D5 | CF | XTEL CLOCK | | | B-2.3.5 |
| | | | | | | | | | | |
| 6150 | A2 | 32 | GC | 3567 | B6D5G5 | CF | XTEL DRUM PARITY | | | A-2.3.5 |
| 6150 | A2 | 32 | JC | 3567 | B6D5G5 | CF | XTEL DRUM PARITY | | | B-2.3.5 |
| 6150 | A2 | 32 | GD | 3-8 | D5G5 | CF | XTEL CLOCK & SITE IDENT PARITY | | | A-2.3.5 |
| 6150 | A2 | 32 | JD | 3-8 | D5G5 | CF | XTEL CLOCK & SITE IDENT PARITY | | | B-2.3.5 |
| 6150 | A2 | 32 | GK | 1-9 | D5 | LA | XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6150 | A2 | 32 | GL | 1-9 | D5 | LA | XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6150 | A2 | 32 | GM | 789 | D5 | LA | XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6150 | A2 | 32 | HK | 1-9 | D5 | LA | XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6150 | A2 | 32 | HL | 1-9 | D5 | LA | XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6150 | A2 | 32 | HM | 1-9 | D5 | LA | XTEL 33-36 WAY OR | | | A-2.3.5 |
| 6150 | A2 | 32 | JK | 1-9 | D5 | LA | XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6150 | A2 | 32 | JL | 1-9 | D5 | LA | XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6150 | A2 | 32 | JM | 789 | D5 | LA | XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6150 | A2 | 32 | KK | 1-9 | D5 | LA | XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6150 | A2 | 32 | KL | 1-9 | D5 | LA | XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6150 | A2 | 32 | KM | 1-9 | D5 | LA | XTEL 33-36 WAY OR | | | B-2.3.5 |
| 6150 | A2 | 32 | JG | 3 | B6 | I | LINE PARITY | | | B-2.3.5 |
| 6150 | A2 | 32 | JG | 15 | D5 | LA | LINE PARITY | | | B-2.3.5 |
| 6150 | A2 | 32 | JG | 7 | G5 | CF | LINE PARITY | | | B-2.3.5 |
| | | | | | | | | | | |
| 6150 | B1 | 34 | JY | 56 | D5 | CF | MAP CNTR SITE IDENT | | | A-2.1.4 |
| 6150 | B1 | 34 | J1 | 5 | D5 | CF | MAP CNTR SITE IDENT | | | A-2.1.4 |
| 6150 | B1 | 34 | J2 | 56 | D5 | CF | MAP CNTR SITE IDENT | | | A-2.1.4 |
| 6150 | B1 | 34 | KY | 56 | D5 | CF | MAP CNTR SITE IDENT | | | B-2.1.4 |
| 6150 | B1 | 34 | K1 | 5 | D5 | CF | MAP CNTR SITE IDENT | | | B-2.1.4 |
| 6150 | B1 | 34 | K2 | 56 | D5 | CF | MAP CNTR SITE IDENT | | | B-2.1.4 |
| | | | | | | | | | | |
| 6150 | B2 | 41 | FC | 345 | B6D5 | CF | LRI LONG WORD | | | B-2.4.6 |
| 6150 | B2 | 41 | UC | 345 | B6D5 | CF | LRI LONG WORD | | | A-2.4.6 |
| 6150 | B2 | 41 | FW | 5 | D5 | CF | LRI WORD LEVEL | | | B-2.4.6 |
| 6150 | B2 | 41 | UW | 5 | D5 | CF | LRI WORD LEVEL | | | A-2.4.6 |
| 6150 | B2 | 41 | HU | 35 | D56 | CF | LRI SITE PARITY | | | A-2.4.6 |
| 6150 | B2 | 41 | HV | 1-8 | D5G5 | CF | LRI SITE PARITY | | | A-2.4.6 |
| 6150 | B2 | 41 | HW | 1235-9D5G5 | | CF | LRI SITE PARITY | | | A-2.4.6 |
| 6150 | B2 | 41 | WU | 35 | D56 | CF | LRI SITE PARITY | | | B-2.4.6 |
| 6150 | B2 | 41 | WW | 1-8 | D5G5 | CF | LRI SITE PARITY | | | B-2.4.6 |
| 6150 | B2 | 41 | WV | 1235-9D5G5 | | CF | LRI WORD 1 PARITY | | | B-2.4.6 |
| | | | | | | | | | | |
| 6150 | B3 | 41 | HK | 2 | B5 | CF | LRI PULSE DISTRIB | | | A-2.4.6 |
| 6150 | B3 | 41 | WK | 2 | B5 | CF | LRI PULSE DISTRIB | | | B-2.4.6 |
| 6150 | B3 | 41 | HF | 4 | D5 | CF | LRI CLOCK | | | A-2.4.6 |
| 6150 | B3 | 41 | HG | 47 | D5 | CF | LRI CLOCK | | | A-2.4.6 |
| 6150 | B3 | 41 | HH | 6 | D5 | CF | LRI CLOCK | | | A-2.4.6 |
| 6150 | B3 | 41 | WF | 4 | D5 | CF | LRI CLOCK | | | B-2.4.6 |
| 6150 | B3 | 41 | WG | 47 | D5 | CF | LRI CLÖCK | | | B-2.4.6 |
| 6150 | B3 | 41 | WH | 6 | D5 | CF | LRI CLOCK | | | B-2.4.6 |
| | | | | | | | | | | |
| 6150 | B4 | 41 | GW | 7 | G5 | CF | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | VW | 7 | G5 | CF | LRI READ OUT CONTROL | | | B-2.4.6 |
| 6150 | B4 | 41 | FF | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | B-2.4.6 |
| 6150 | B4 | 41 | FH | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | B-2.4.6 |
| 6150 | B4 | 41 | FK | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | B-2.4.6 |
| 6150 | B4 | 41 | FL | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | B-2.4.6 |
| 6150 | B4 | 41 | FN | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | B-2.4.6 |
| 6150 | B4 | 41 | FR | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | B-2.4.6 |
| 6150 | B4 | 41 | FS | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | B-2.4.6 |
| 6150 | B4 | 41 | FU | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | B-2.4.6 |
| 6150 | B4 | 41 | GK | 1-9 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | GM | 1-9 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | GN | 1-9 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | GR | 1-9 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | GT | 1-9 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | GV | 1-9 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | UF | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | UH | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | UK | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | UL | 1-9 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | UN | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | UR | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 6150 | B4 | 41 | US | 1-6 | D5 | LA | LRI READ OUT CONTROL | | | A-2.4.6 |

MC-7

| V C-L FR PU TUBES PINS | | | | | TYPE DESCRIPTION | MC-7 | 05/01/60 | LOGIC |
|------------------------|----|----|----|-------|------------------|------|------------------------------|---------|
| 6130 | B4 | 41 | UU | 1-6 | D5 | LA | LRI READ OUT CONTROL | A-2.4.6 |
| 6130 | B4 | 41 | VK | 1-9 | D5 | LA | LRI READ OUT CONTROL | B-2.4.6 |
| 6130 | B4 | 41 | VH | 1-9 | D5 | LA | LRI READ OUT CONTROL | B-2.4.6 |
| 6130 | B4 | 41 | VN | 1-9 | D5 | LA | LRI READ OUT CONTROL | B-2.4.6 |
| 6130 | B4 | 41 | VR | 1-9 | D5 | LA | LRI READ OUT CONTROL | B-2.4.6 |
| 6130 | B4 | 41 | VT | 1-9 | D5 | LA | LRI READ OUT CONTROL | B-2.4.6 |
| 6130 | B4 | 41 | VV | 1-9 | D5 | LA | LRI READ OUT CONTROL | B-2.4.6 |
| 6130 | B4 | 41 | FV | 345 | D5 | CF | LRI SITE IDENTITY | B-2.4.6 |
| 6130 | B4 | 41 | F1 | 12456 | D5 | CF | LRI SITE IDENTITY | B-2.4.6 |
| 6130 | B4 | 41 | HU | 78 | G5 | CF | LRI SITE IDENTITY | A-2.4.6 |
| 6130 | B4 | 41 | UV | 345 | D5 | CF | LRI SITE IDENTITY | A-2.4.6 |
| 6130 | B4 | 41 | UI | 12456 | D5 | CF | LRI SITE IDENTITY | A-2.4.6 |
| 6130 | B4 | 41 | WU | 78 | G5 | CF | LRI SITE IDENTITY | B-2.4.6 |
| 6130 | B4 | 41 | G1 | 48 | B5D5 | CF | LRI DISPLAY TIME COUNTER | S-2.4.5 |
| 6130 | B4 | 41 | V1 | 48 | B5D5 | CF | LRI DISPLAY TIME COUNTER | S-2.4.5 |
| | | | | | | | | |
| 6150 | C1 | 93 | BJ | 67 | D5 | CF | REGISTER CORRECTOR | 2.5.1-1 |
| 6150 | C1 | 93 | BS | 1-9 | D5 | CF | SITE & M/L STORAGE REG | 2.5.1-1 |
| | | | | | | | | |
| 6150 | C2 | 93 | BE | 1-4 | D5 | CF | INTENSIFICATION | 2.5.1-2 |
| 6150 | C2 | 93 | BF | 9 | D5 | CF | DISPLAY TIMING | 2.5.1-2 |
| 6150 | C2 | 93 | BT | 267 | D5 | LA | SITE & M/L MESSAGE COMPARE | 2.5.1-2 |
| 6150 | C2 | 93 | BU | 2457 | D5 | LA | SITE & M/L MESSAGE COMPARE | 2.5.1-2 |
| 6150 | C2 | 93 | BV | 267 | D5 | LA | SITE & M/L MESSAGE COMPARE | 2.5.1-2 |
| 6150 | C2 | 93 | BW | 2457 | D5 | LA | SITE & M/L MESSAGE COMPARE | 2.5.1-2 |
| 6150 | C2 | 93 | BX | 267 | D5 | LA | SITE & M/L MESSAGE COMPARE | 2.5.1-2 |
| 6150 | C2 | 93 | BY | 2457 | D5 | LA | SITE & M/L MESSAGE COMPARE | 2.5.1-2 |
| 6150 | C2 | 93 | B1 | 267 | D5 | LA | SITE & M/L MESSAGE COMPARE | 2.5.1-2 |
| 6150 | C2 | 93 | B2 | 2457 | D5 | LA | SITE & M/L MESSAGE COMPARE | 2.5.1-2 |
| | | | | | | | | |
| 690 | A1 | 32 | HV | 135 | B6D6G5 | GT | XTEL CLOCK STEP & PARITY | A-2.3.5 |
| 690 | A1 | 32 | KV | 135 | B6D6G5 | GT | XTEL CLOCK STEP & PARITY | B-2.3.5 |
| 690 | A1 | 32 | HT | 1368 | B6D6G56 | GT | XTEL CLOCK CONTROL | A-2.3.5 |
| 690 | A1 | 32 | KT | 1368 | B6D6G56 | GT | XTEL CLOCK CONTROL | B-2.3.5 |
| | | | | | | | | |
| 690 | A3 | 32 | GJ | 1-9 | B56D56G567GT | GT | XTEL MESSAGE AMPLIFIER | A-2.3.5 |
| 690 | A3 | 32 | GN | 3-6 | D56G56 | GT | XTEL MESSAGE AMPLIFIER | A-2.3.5 |
| 690 | A3 | 32 | HJ | 1-9 | B56D56G567GT | GT | XTEL MESSAGE AMPLIFIER | A-2.3.5 |
| 690 | A3 | 32 | JJ | 1-9 | B56D56G567GT | GT | XTEL MESSAGE AMPLIFIER | B-2.3.5 |
| 690 | A3 | 32 | JN | 3-6 | D56G56 | GT | XTEL MESSAGE AMPLIFIER | B-2.3.5 |
| 690 | A3 | 32 | KJ | 1-9 | B56D56G567GT | GT | XTEL MESSAGE AMPLIFIER | B-2.3.5 |
| 690 | A3 | 32 | HP | 78 | G6 | GT | XTEL SITE IDENTITY AMPLIFIER | A-2.3.5 |
| 690 | A3 | 32 | HR | 235-8 | D5G56 | GT | XTEL SITE IDENTITY AMPLIFIER | A-2.3.5 |
| 690 | A3 | 32 | KP | 78 | G6 | GT | XTEL SITE IDENTITY AMPLIFIER | B-2.3.5 |
| 690 | A3 | 32 | KR | 235-8 | D5G56 | GT | XTEL SITE IDENTITY AMPLIFIER | B-2.3.5 |
| 690 | A3 | 32 | GP | 5-8 | G56 | GT | XTEL TIME AMPLIFIER | A-2.3.5 |
| 690 | A3 | 32 | HN | 235-8 | D5G56 | GT | XTEL TIME AMPLIFIER | A-2.3.5 |
| 690 | A3 | 32 | HP | 2356 | D5G5 | GT | XTEL TIME AMPLIFIER | A-2.3.5 |
| 690 | A3 | 32 | JP | 5-8 | G56 | GT | XTEL TIME AMPLIFIER | B-2.3.5 |
| 690 | A3 | 32 | KN | 235-8 | D5G56 | GT | XTEL TIME AMPLIFIER | B-2.3.5 |
| 690 | A3 | 32 | KP | 2356 | D5G5 | GT | XTEL TIME AMPLIFIER | B-2.3.5 |
| 690 | A3 | 32 | KS | 1 | B6 | GT | XTEL DRUM WRITE | A-2.3.5 |
| 690 | A3 | 32 | KS | 1 | B6 | GT | XTEL DRUM WRITE | B-2.3.5 |
| 690 | A3 | 32 | KX | 1 | B5 | GT | 001-D | B-2.3.5 |
| | | | | | | | | |
| 690 | A4 | 32 | GT | 1 | B6 | PA | XTEL PULSE GEN | A-2.3.5 |
| 690 | A4 | 32 | JT | 1 | B6 | PA | XTEL PULSE GEN | B-2.3.5 |
| 690 | A4 | 32 | GX | 236 | B6D5G5 | GT | XTEL OD 1.263 PULSE DISTRIB | A-2.3.5 |
| 690 | A4 | 32 | JX | 236 | B6D5G5 | GT | XTEL OD 1.263 PULSE DISTRIB | B-2.3.5 |
| | | | | | | | | |
| 690 | B1 | 34 | JD | 4 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JE | 23 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JF | 34 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JG | 34 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JH | 34 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JJ | 4 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JK | 34 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JL | 34 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JM | 34 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JN | 34 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JP | 34 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | JR | 14 | B5D5 | BPA | MAP CNTR COM EQ OUTPUTS | A-2.1.4 |
| 690 | B1 | 34 | KD | 4 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | B-2.1.4 |
| 690 | B1 | 34 | KE | 23 | D5 | BPA | MAP CNTR COM EQ OUTPUTS | B-2.1.4 |

| V C-L FR PU TUBES PINS | | | | TYPE DESCRIPTION | MC-7 | 05/01/60 | LOGIC |
|------------------------|----|----|-------|------------------|-------------------------------|----------|---------|
| 690 B1 | 34 | KF | 34 | D5 | BPA MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B1 | 34 | KG | 34 | D5 | BPA MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B1 | 34 | KH | 34 | D5 | BPA MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B1 | 34 | KJ | 4 | D5 | BPA MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B1 | 34 | KK | 34 | D5 | BPA MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B1 | 34 | KL | 34 | D5 | BPA MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B1 | 34 | KM | 34 | D5 | BPA MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B1 | 34 | KN | 34 | D5 | BPA MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B1 | 34 | KP | 34 | D5 | BPA MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B1 | 34 | KR | 14 | B5D5 | BPA MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B1 | 34 | JU | 3 | B6 | BPA MAP CNTR COM EQ OD 2 | | A-2.1.3 |
| 690 B1 | 34 | JV | 3 | B6 | BPA MAP CNTR COM EQ OD 2 | | A-2.1.3 |
| 690 B1 | 34 | KU | 3 | B6 | BPA MAP CNTR COM EQ OD 2 | | B-2.1.3 |
| 690 B1 | 34 | KV | 3 | B6 | BPA MAP CNTR COM EQ OD 2 | | B-2.1.3 |
| 690 B1 | 34 | JX | 4 | D5 | BPA MAP CNTR COM EQ OD 3 | | A-2.1.3 |
| 690 B1 | 34 | JW | 4 | D5 | BPA MAP CNTR COM EQ OD 3 | | A-2.1.3 |
| 690 B1 | 34 | KW | 4 | D5 | BPA MAP CNTR COM EQ OD 3 | | B-2.1.3 |
| 690 B1 | 34 | KX | 4 | D5 | BPA MAP CNTR COM EQ OD 3 | | B-2.1.3 |
| 690 B1 | 34 | JT | 14 | B5D5 | BPA MAP CNTR COM EQ OD 4 | | A-2.1.3 |
| 690 B1 | 34 | KT | 14 | B5D5 | BPA MAP CNTR COM EQ OD 4 | | B-2.1.3 |
| 690 B1 | 34 | JS | 3 | B6 | BPA MAP CNTR DATA AVAILABLE | | A-2.1.4 |
| 690 B1 | 34 | KS | 3 | B6 | BPA MAP CNTR DATA AVAILABLE | | B-2.1.4 |
| | | | | | | | |
| 690 B2 | 34 | JD | 1256 | D6 | GT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | JE | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | JF | 1256 | B56D6 | JT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | JG | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | JH | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | JJ | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | JK | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | JL | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | JM | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | JN | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | JP | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | A-2.1.4 |
| 690 B2 | 34 | KD | 1256 | D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | KE | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | KF | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | KG | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | KH | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | KJ | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | KK | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | KL | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | KM | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | KN | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | KP | 1256 | B56D6 | GT MAP CNTR COM EQ OUTPUTS | | B-2.1.4 |
| 690 B2 | 34 | JU | 5 | D6 | GT MAP CNTR OD-2 CNTR | | A-2.1.3 |
| 690 B2 | 34 | KU | 5 | D6 | GT MAP CNTR OD-2 CNTR | | B-2.1.3 |
| 690 B2 | 34 | JV | 1 | B5 | GT MAP CNTR GATED DRUM DEMAND | | A-2.1.3 |
| 690 B2 | 34 | KV | 1 | B5 | GT MAP CNTR GATED DRUM DEMAND | | B-2.1.3 |
| | | | | | | | |
| 690 C1 | 41 | FG | 1-6 | B56D56 | GT LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | FJ | 1-6 | B56D56 | GT LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | FM | 1-6 | B56D56 | GT LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | FP | 1-6 | B56D56 | GT LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | FT | 1-6 | B56D56 | GT LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | FV | 12 | B6D6 | GT LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | GJ | 1-9 | B56D56G567GT | LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | GL | 1-9 | B56D56G567GT | LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | GP | 1-9 | B56D56G567GT | LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | GS | 1-9 | B56D56G567GT | LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | GU | 1-489 | B56D56G7 | LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | VJ | 1-9 | B56D56G567GT | LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | VL | 1-9 | B56D56G567GT | LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | VP | 1-9 | B56D56G567GT | LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | VS | 1-9 | B56D56G567GT | LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | VU | 1-489 | B56D56G7 | GT LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | GW | 28 | D6G7 | GT LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | GX | 57 | D56 | GT LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | UG | 1-6 | B56D56 | GT LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | UJ | 1-6 | B56D56 | GT LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | UM | 1-6 | B56D56 | GT LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | UP | 1-6 | B56D56 | GT LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | UT | 1-6 | B56D56 | GT LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | UV | 12 | B6D6 | GT LRI READ OUT CONTROL | | A-2.4.6 |
| 690 C1 | 41 | VM | 28 | D6G7 | GT LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | VX | 57 | D56 | GT LRI READ OUT CONTROL | | B-2.4.6 |
| 690 C1 | 41 | GY | 6 | G5 | GT LRI DRUM DEMAND | | S-2.4.5 |
| 690 C1 | 41 | G1 | 125 | B6D6G5 | GT LRI DRUM DEMAND | | S-2.4.5 |

MC-7

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-7 | 05/01/60 | LOGIC |
|-----|-----|----|----|-------|--------------|------|--------------------------|------|----------|---------|
| 690 | C1 | 41 | VY | 6 | G5 | GT | LRI DRUM DEMAND | | | S-2.4.5 |
| 690 | C1 | 41 | V1 | 125 | B6D6G5 | GT | LRI DRUM DEMAND | | | S-2.4.5 |
| 690 | C1 | 41 | GU | 67 | G6 | GT | LRI WORD 1 & 2 READ OUT | | | A-2.4.6 |
| 690 | C1 | 41 | VU | 67 | G6 | GT | LRI WORD 1 & 2 READ OUT | | | B-2.4.6 |
| 690 | C2 | 41 | HM | 3 | G5 | GT | LRI CLOCK CONTROL | | | A-2.4.6 |
| 690 | C2 | 41 | HJ | 6 | G5 | GT | LRI CLOCK CONTROL | | | A-2.4.6 |
| 690 | C2 | 41 | WH | 3 | G5 | GT | LRI CLOCK CONTROL | | | B-2.4.6 |
| 690 | C2 | 41 | WJ | 6 | G5 | GT | LRI CLOCK CONTROL | | | B-2.4.6 |
| 690 | C2 | 41 | HG | 135 | B6D6G5 | GT | LRI CLOCK PARITY | | | A-2.4.6 |
| 690 | C2 | 41 | WG | 135 | B6D6G5 | GT | LRI CLOCK PARITY | | | B-2.4.6 |
| 690 | C2 | 41 | HW | 4 | D6 | GT | LRI SITE PARITY | | | A-2.4.6 |
| 690 | C2 | 41 | WH | 4 | D6 | GT | LRI SITE PARITY | | | B-2.4.6 |
| 690 | C2 | 41 | G1 | 6 | G6 | GT | LRI DISPLAY TIME COUNTER | | | S-2.4.5 |
| 690 | C2 | 41 | G3 | 48 | D5G6 | GT | LRI DISPLAY TIME COUNTER | | | S-2.4.5 |
| 690 | C2 | 41 | V1 | 6 | G6 | GT | LRI DISPLAY TIME COUNTER | | | S-2.4.5 |
| 690 | C2 | 41 | V3 | 48 | D5G6 | GT | LRI DISPLAY TIME COUNTER | | | S-2.4.5 |
| 690 | C3 | 41 | HK | 5 | D6 | GT | LRI PULSE DISTRIB | | | A-2.4.6 |
| 690 | C3 | 41 | WK | 5 | D6 | GT | LRI PULSE DISTRIB | | | B-2.4.6 |
| 690 | C4 | 93 | RC | 16 | B5G5 | GT | DATA AVAILABILITY UNIT | | | 2.5.1-1 |
| 690 | C5 | 93 | BU | 6 | G5 | GT | INTENSIFICATION STROBE | | | 2.5.1-2 |
| 690 | C5 | 93 | BW | 6 | G5 | GT | INTENSIFICATION STROBE | | | 2.5.1-2 |
| 690 | C5 | 93 | BY | 6 | G5 | GT | INTENSIFICATION STROBE | | | 2.5.1-2 |
| 690 | C5 | 93 | BZ | 6 | G5 | GT | INTENSIFICATION STROBE | | | 2.5.1-2 |
| 690 | C6 | 93 | BE | 6 | G5 | GT | DISPLAY STARTED | | | 2.5.1-2 |
| 690 | C6 | 93 | BF | 136-8 | B5G756 | GT | DISPLAY TIMING | | | 2.5.1-2 |
| 690 | D1 | 41 | GY | 1 | B6 | PA | LRI DRUM DEMAND | | | S-2.4.5 |
| 690 | D1 | 41 | G2 | 1-9 | B56D56G567PA | LRI | DRUM DEMAND | | | S-2.4.5 |
| 690 | D1 | 41 | VY | 1 | B6 | PA | LRI DRUM DEMAND | | | S-2.4.5 |
| 690 | D1 | 41 | V2 | 1-9 | B56D56G567PA | LRI | DRUM DEMAND | | | S-2.4.5 |
| 690 | D2 | 41 | HK | 69 | G7 | PA | LRI PULSE DISTRIB | | | A-2.4.6 |
| 690 | D2 | 41 | HL | 4-7 | D6G56 | PA | LRI PULSE DISTRIB | | | A-2.4.6 |
| 690 | D2 | 41 | HN | 9 | G7 | PA | LRI PULSE DISTRIB | | | A-2.4.6 |
| 690 | D2 | 41 | WK | 69 | G7 | PA | LRI PULSE DISTRIB | | | B-2.4.6 |
| 690 | D2 | 41 | WL | 4-7 | D6G56 | PA | LRI PULSE DISTRIB | | | B-2.4.6 |
| 690 | D2 | 41 | WN | 9 | G7 | PA | LRI PULSE DISTRIB | | | B-2.4.6 |
| 690 | D2 | 41 | HJ | 14 | B6D6 | PA | LRI CLOCK CONTROL | | | A-2.4.6 |
| 690 | D2 | 41 | WJ | 14 | B6D6 | PA | LRI CLOCK CONTROL | | | B-2.4.6 |
| 690 | D3 | 93 | BJ | 89 | G67 | PA | DATA AVAIL & DRUM DEMAND | | | 2.5.1-1 |
| 690 | D3 | 93 | BJ | 1-4 | B56Q6G5 | GT | REGISTER CORRECTOR | | | 2.5.1-1 |
| 690 | E1 | 32 | GY | 45 | G56 | BPA | XTEL OD-4 PULSE DISTRIB | | | A-2.3.5 |
| 690 | E1 | 32 | JY | 45 | G56 | BPA | XTEL OD-4 PULSE DISTRIB | | | B-2.3.5 |
| 690 | E1 | 32 | GW | 125-8 | B56G567 | BPA | XTEL PULSE DISTRIB | | | A-2.3.5 |
| 690 | E1 | 32 | JW | 125-8 | B56G567 | BPA | XTEL PULSE DISTRIB | | | B-2.3.5 |
| 690 | E1 | 32 | JY | 45 | G56 | PA | OD4 CH 1-6,7-12 | | | B2.3.5 |
| 690 | E1 | 32 | JY | 67 | B3G7 | PA | OD4 CH 13-18,19-244 | | | B2.3.5 |
| 690 | E1 | 32 | KX | 234 | B6D56 | GT | DA-2 | | | B-2.3.5 |
| 690 | E1 | 32 | KX | 6 | G6 | PA | DD-OD3 | | | B-2.3.5 |
| 690 | E2 | 32 | GT | 26 | D5G5 | DD | XTEL OD-1 DELAY | | | A-2.3.5 |
| 690 | E2 | 32 | JT | 26 | D5 | DD | XTEL OD-1 DELAY | | | B-2.3.5 |
| 690 | E2 | 32 | GX | 15 | B3D6 | GT | XTEL OD PULSE DISTRIB | | | A-2.3.5 |
| 690 | E2 | 32 | JX | 15 | B5D6 | GT | XTEL OD PULSE DISTRIB | | | B-2.3.5 |
| 690 | E3 | 41 | FD | 3 | B6 | BPA | LRI READ OUT CONTROL | | | B-2.4.6 |
| 690 | E3 | 41 | GX | 34 | B6 | BPA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 690 | E3 | 41 | UD | 3 | B6 | BPA | LRI READ OUT CONTROL | | | A-2.4.6 |
| 690 | E3 | 41 | VX | 34 | B6 | BPA | LRI READ OUT CONTROL | | | B-2.4.6 |
| 690 | E3 | 41 | HM | 5-9 | G567 | BPA | LRI PULSE DISTRIB | | | A-2.4.6 |
| 690 | E3 | 41 | WM | 5-9 | G567 | BPA | LRI PULSE DISTRIB | | | B-2.4.6 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-7 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------------------------------------|------|----------|---------|
| -150 | A1 | 32 | GV | 1289 | B7D7 | AFF XTEL PULSE DISTRIB | | | A-2.3.5 |
| -150 | A1 | 32 | JV | 1289 | B7D7 | AFF XTEL PULSE DISTRIB | | | B-2.3.5 |
| -150 | A2 | 41 | GY | 34 | D7 | AFF LRI DRUM DEMAND | | | S-2.4.5 |
| -150 | A2 | 41 | VY | 34 | D7 | AFF LRI DRUM DEMAND | | | S-2.4.5 |
| -150 | A2 | 41 | FE | 34 | D7 | AFF LRI PULSE DISTRIB | | | B-2.4.6 |
| -150 | A2 | 41 | HN | 34 | B7 | AFF LRI PULSE DISTRIB | | | A-2.4.6 |
| -150 | A2 | 41 | UE | 34 | D7 | AFF LRI PULSE DISTRIB | | | A-2.4.6 |
| -150 | A2 | 41 | WN | 34 | B7 | AFF LRI PULSE DISTRIB | | | B-2.4.6 |
| -150 | B1 | 32 | HV | 47 | D7 | CF6 XTEL CLOCK PARITY | | | A-2.3.5 |
| -150 | B1 | 32 | HW | 47 | D7 | CF6 XTEL CLOCK PARITY | | | A-2.3.5 |
| -150 | B1 | 32 | HU | 67 | D7 | CF6 XTEL CLOCK PARITY | | | A-2.3.5 |
| -150 | B1 | 32 | KU | 67 | D7 | CF6 XTEL CLOCK PARITY | | | B-2.3.5 |
| -150 | B1 | 32 | KV | 47 | D7 | CF6 XTEL CLOCK PARITY | | | B-2.3.5 |
| -150 | B1 | 32 | KW | 47 | D7 | CF6 XTEL CLOCK PARITY | | | B-2.3.5 |
| -150 | B2 | 32 | GU | 2-7 | B7 | CF6 XTEL PULSE DISTRIB | | | A-2.3.5 |
| -150 | B2 | 32 | JU | 2-7 | B7 | CF6 XTEL PULSE DISTRIB | | | B-2.3.5 |
| -150 | B2 | 32 | GD | 4569 | D7 | CF6 XTEL CLOCK & SITE IDENT PARITY | | | A-2.3.5 |
| -150 | B2 | 32 | JD | 4569 | D7 | CF6 XTEL CLOCK & SITE IDENT PARITY | | | B-2.3.5 |
| -150 | B3 | 41 | HV | 178 | D7 | CF6 LRI SITE PARITY | | | A-2.4.6 |
| -150 | B3 | 41 | HW | 68 | D7 | CF6 LRI SITE PARITY | | | A-2.4.6 |
| -150 | B3 | 41 | WV | 178 | D7 | CF6 LRI SITE PARITY | | | B-2.4.6 |
| -150 | B3 | 41 | WW | 68 | D7 | CF6 LRI SITE PARITY | | | B-2.4.6 |
| -150 | B6 | 93 | BU | 2 | D7 | I SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| -150 | B6 | 93 | BW | 2 | D7 | I SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| -150 | B6 | 93 | BY | 2 | D7 | I SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| -150 | B6 | 93 | BZ | 2 | D7 | I SITE & M/L MESSAGE COMPARE | | | 2.5.1-2 |
| -150 | D1 | 32 | HC | 7 | D7 | APG XTEL ALARM | | | A-2.3.5 |
| -150 | D1 | 32 | KC | 7 | D7 | APG XTEL ALARM | | | B-2.3.5 |
| -150 | D1 | 32 | KC | 7 | D7 | PG ALARM RESET | | | B-2.3.5 |
| -150 | D2 | 41 | HN | 7 | D7 | APG LRI RESET PARITY ERROR & ALARM | | | A-2.4.6 |
| -150 | D2 | 41 | WN | 7 | D7 | APG LRI RESET PARITY ERROR & ALARM | | | B-2.4.6 |
| -300 | A1 | 32 | HU | 48 | D8 | CFF XTEL CLOCK | | | A-2.3.5 |
| -300 | A1 | 32 | HV | 268 | D8 | CFF XTEL CLOCK | | | A-2.3.5 |
| -300 | A1 | 32 | HW | 2679 | D8 | CFF XTEL CLOCK | | | A-2.3.5 |
| -300 | A1 | 32 | KU | 48 | D8 | CFF XTEL CLOCK | | | B-2.3.5 |
| -300 | A1 | 32 | KV | 268 | D8 | CFF XTEL CLOCK | | | B-2.3.5 |
| -300 | A1 | 32 | KW | 2679 | D8 | CFF XTEL CLOCK | | | B-2.3.5 |
| -300 | A1 | 32 | HT | 257 | D8 | CFF XTEL CLOCK CONTROL | | | A-2.3.5 |
| -300 | A1 | 32 | KT | 257 | D8 | CFF XTEL CLOCK CONTROL | | | B-2.3.5 |
| -300 | A1 | 32 | KC | 4 | D8 | CFF READOUT ALARM | | | B2.3.5 |
| -300 | A3 | 32 | HC | 4 | D8 | CFF XTEL ALARM | | | A-2.3.5 |
| -300 | A3 | 32 | KC | 4 | D8 | CFF XTEL ALARM | | | B-2.3.5 |
| -300 | A3 | 32 | GX | 4 | D8 | CFF XTEL OD-1 2 & 3 PULSE DISTRIB | | | A-2.3.5 |
| -300 | A3 | 32 | JX | 4 | D8 | CFF XTEL OD-1 2 & 3 PULSE DISTRIB | | | B-2.3.5 |
| -300 | A3 | 32 | KX | 89 | D8 | CFF DA-1 | | | B-2.3.5 |
| -300 | B1 | 34 | JV | 2 | D8 | CFF MAP CNTR DRUM DEMAND | | | A-2.1.3 |
| -300 | B1 | 34 | KV | 2 | D8 | CFF MAP CNTR DRUM DEMAND | | | B-2.1.3 |
| -300 | B1 | 34 | JU | 6 | D8 | CFF MAP CNTR OD-2 CNTR | | | A-2.1.3 |
| -300 | B1 | 34 | KU | 6 | D8 | CFF MAP CNTR OD-2 CNTR | | | B-2.1.3 |
| -300 | C1 | 41 | GY | 7 | D8 | CFF LRI DRUM DEMAND | | | S-2.4.5 |
| -300 | C1 | 41 | VY | 7 | D8 | CFF LRI DRUM DEMAND | | | S-2.4.5 |
| -300 | C2 | 41 | GX | 6 | D8 | CFF LRI READ OUT CONTROL | | | A-2.4.6 |
| -300 | C2 | 41 | VX | 6 | D8 | CFF LRI READ OUT CONTROL | | | B-2.4.6 |
| -300 | C2 | 41 | G1 | 37 | D8 | CFF LRI DISPLAY TIME COUNTER | | | S-2.4.5 |
| -300 | C2 | 41 | G3 | 1357 | B7D8 | CFF LRI DISPLAY TIME COUNTER | | | S-2.4.5 |
| -300 | C2 | 41 | V1 | 37 | D8 | CFF LRI DISPLAY TIME COUNTER | | | S-2.4.5 |

MC-7

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-7 | 05/01/60 | LOGIC |
|------|-----|----|----|--------|-------|------------------------------|------|----------|---------|
| -300 | C2 | 41 | V3 | 1357 | B7D8 | CFF LRI DISPLAY TIME COUNTER | | | 5-2,4,5 |
| -300 | C3 | 41 | HK | 1 | D8 | CFF LRI PULSE DISTRIB | | | A-2,4,6 |
| -300 | C3 | 41 | WK | 1 | D8 | CFF LRI PULSE DISTRIB | | | B-2,4,6 |
| -300 | C3 | 41 | HJ | 257 | D8 | CFF LRI CLOCK CONTROL | | | A-2,4,6 |
| -300 | C3 | 41 | WJ | 257 | D8 | CFF LRI CLOCK CONTROL | | | B-2,4,6 |
| -300 | C4 | 41 | HF | 2679 | D8 | CFF LRI CLOCK | | | A-2,4,6 |
| -300 | C4 | 41 | HG | 268 | D8 | CFF LRI CLOCK | | | A-2,4,6 |
| -300 | C4 | 41 | HH | 48 | D8 | CFF LRI CLOCK | | | A-2,4,6 |
| -300 | C4 | 41 | WF | 2679 | D8 | CFF LRI CLOCK | | | B-2,4,6 |
| -300 | C4 | 41 | WG | 268 | D8 | CFF LRI CLOCK | | | B-2,4,6 |
| -300 | C4 | 41 | WH | 48 | D8 | CFF LRI CLOCK | | | B-2,4,6 |
| -300 | C4 | 41 | HN | 8 | D8 | CFF LRI ALARM | | | A-2,4,6 |
| -300 | C4 | 41 | HN | 6 | D8 | CFF LRI ALARM | | | S-2,4,5 |
| -300 | C4 | 41 | WN | 8 | D8 | CFF LRI ALARM | | | B-2,4,6 |
| -300 | C4 | 41 | WN | 6 | D8 | CFF LRI ALARM | | | S-2,4,5 |
| -300 | D1 | 93 | BD | 23 | B7 | CFF DATA AVAILABILITY UNIT | | | 2,5,1-1 |
| -300 | D1 | 93 | BD | 4689 | D78 | CFF INTENSIFICATION | | | 2,5,1-1 |
| -300 | D1 | 93 | BG | 234689 | B7D78 | CFF DISPLAY TIMING | | | 2,5,1-1 |
| -300 | D1 | 93 | BK | 2 | B7 | CFF DISPLAY TIMING | | | 2,5,1-1 |
| -300 | D1 | 93 | BK | 34689 | B7D78 | CFF SINE STORAGE REG | | | 2,5,1-1 |
| -300 | D1 | 93 | BL | 234689 | B7D78 | CFF SINE STORAGE REG | | | 2,5,1-1 |
| -300 | D1 | 93 | BM | 2 | B7 | CFF SINE STORAGE REG | | | 2,5,1-1 |
| -300 | D1 | 93 | BM | 34689 | B7D78 | CFF COSINE STORAGE REG | | | 2,5,1-1 |
| -300 | D1 | 93 | BN | 234689 | B7D78 | CFF COSINE STORAGE REG | | | 2,5,1-1 |
| -300 | D1 | 93 | BP | 234689 | B7D78 | CFF COSINE STORAGE REG | | | 2,5,1-1 |
| -300 | D1 | 93 | BR | 89 | D8 | CFF SINE STORAGE REG | | | 2,5,1-1 |
| -300 | D1 | 93 | BR | 2346 | B7D7 | CFF COSINE STORAGE REG | | | 2,5,1-1 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-8 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|------|------------------------------|------|----------|---------|
| 6250 | A1 | 33 | JT | 3 | 85 | I | OS TTY 51 COUNTER | | | 3+2+3 |
| 6250 | A1 | 33 | FF | 789 | 85 | PCF | OS CORE SET PULSE | | | 3+1+1-2 |
| 6250 | A1 | 33 | JY | 67 | 85 | LA | OS TTY 51 COUNTER | | | 3+2+3 |
| 6250 | A1 | 33 | KM | 1256 | 85 | PCF | OS G/G CONTROL | | | 3+2+2 |
| 6250 | A1 | 33 | LN | 3 | 85 | I | OS G/G CONTROL | | | 3+2+2 |
| 6250 | A1 | 33 | HX | 8 | 85 | I | OS G/G SHIFT PHASE B | | | 3+2+2 |
| 6250 | A1 | 33 | HH | 8 | 85 | I | OS TTY CONTROL | | | 3+2+3 |
| 6250 | A1 | 33 | HE | 8 | 85 | I | OS G/G SHIFT PHASE A | | | 3+2+2 |
| 6250 | A1 | 33 | EF | 8 | 85 | I | G/A TD 15 COUNTER | | | 3+2+5 |
| 6250 | A1 | 33 | EJ | 1256 | 85 | PCF | SHIFT PHASE A6B | | | 3+2+5 |
| 6250 | B1 | 42 | CC | 7 | 85 | I | OC READ IN CONTROL | | | 3+1+1-3 |
| 6250 | B1 | 42 | CD | 37 | 85 | I | OC READ IN CONTROL | | | 3+1+1-3 |
| 6250 | B1 | 42 | CE | 67 | 85 | I | OC READ IN CONTROL | | | 3+1+1-3 |
| 6250 | B1 | 42 | CG | 67 | 85 | I | OC READ IN CONTROL | | | 3+1+1-3 |
| 6250 | B2 | 42 | EN | 489 | 85 | I | OC G/A G/G TTY COMPARE | | | 3+1+2 |
| 6250 | B2 | 42 | DJ | 2 | 85 | I | OC MASTER STOP | | | 3+1+4 |
| 6250 | B2 | 42 | FG | 8 | 85 | I | OC G/A TD COMPARE | | | 3+1+2 |
| 6250 | B3 | 42 | DS | 23478985 | | LA | OC G/G ORA SLOTS | | | 3+1+1 |
| 6250 | B3 | 42 | DT | 567 | 85 | LA | OC G/A TD BOM 1-2 ORA SLOTS | | | 3+1+1 |
| 6250 | B3 | 42 | DX | 5 | 85 | I | OC ILL SECT DET & NO COMPARE | | | 3+1+1 |
| 6250 | B3 | 42 | DU | 23478985 | | LA | OC G/A G/G TD ORA SLOTS | | | 3+1+1 |
| 6250 | B4 | 42 | CL | 2-7 | 85 | PCF | OC SECTION DECODER | | | 3+1+1 |
| 6250 | B4 | 42 | CM | 2-7 | 85 | PCF | OC SECTION DECODER | | | 3+1+1 |
| 6250 | B5 | 42 | CS | 23 | 85 | PCF | OC ADDRESS REG | | | 3+1+1 |
| 6250 | B5 | 42 | CT | 2356 | 85 | PCF | OC ADDRESS REG | | | 3+1+1 |
| 6250 | B5 | 42 | CU | 2356 | 85 | PCF | OC ADDRESS REG | | | 3+1+1 |
| 6250 | B5 | 42 | CV | 2356 | 85 | PCF | OC ADDRESS REG | | | 3+1+1 |
| 6250 | B5 | 42 | CW | 2356 | 85 | PCF | OC ADDRESS REG | | | 3+1+1 |
| 6250 | B5 | 42 | CX | 2356 | 85 | PCF | OC ADDRESS REG | | | 3+1+1 |
| 6250 | B5 | 42 | CY | 2356 | 85 | PCF | OC ADDRESS REG | | | 3+1+1 |
| 6250 | B6 | 42 | DF | 2-7 | 85 | PCF | OC SELECTION DECODER | | | 3+1+2 |
| 6250 | C1 | 33 | NN | 456 | 85 | DCR | OS OD-13 TIMING PULSE | | | 3+1+3 |
| 6250 | D1 | 33 | JV | 13467 | 85 | TCD | OS TTY 51 COUNTER | | | 3+2+3 |
| 6250 | D1 | 33 | JW | 13467 | 85 | TCD | OS TTY 51 COUNTER | | | 3+2+3 |
| 6250 | D1 | 33 | JX | 13467 | 85 | TCD | OS TTY 51 COUNTER | | | 3+2+3 |
| 6250 | D1 | 33 | JG | 12 | 81 | TCD | OS G/C 19 COUNTER | | | 3+2+2 |
| 6250 | D1 | 33 | JH | 1-46-985 | | TCD | OS G/G 19 COUNTER | | | 3+2+2 |
| 6250 | D1 | 33 | JJ | 1-46-985 | | TCD | OS G/G 19 COUNTER | | | 3+2+2 |
| 6250 | D1 | 33 | JK | 1-46-985 | | TCD | OS G/G 19 COUNTER | | | 3+2+2 |
| 6250 | D1 | 33 | JL | 1-46-985 | | TCD | OS G/G 19 COUNTER | | | 3+2+2 |
| 6250 | D1 | 33 | JU | 13467 | 85 | TCD | OS TTY 51 COUNTER | | | 3+2+3 |
| 6250 | D1 | 33 | DJ | 1-8 | 85 | TCD | G/A TD 15 COUNTER | | | 3+2+5 |
| 6250 | D1 | 33 | DK | 1-8 | 85 | TCD | G/A TD 15 COUNTER | | | 3+2+5 |
| 6250 | D1 | 33 | DL | 1-8 | 85 | TCD | G/A TD 15 COUNTER | | | 3+2+5 |
| 6250 | E1 | 33 | NM | 5-8 | 85 | CVA | OS CONVERSION PULSE GEN | | | 3+1+3 |
| 6150 | A1 | 33 | NP | 478 | 85 | MA | OS G/G CONVERSION | | | 3+2+2 |
| 6150 | A1 | 33 | NR | 478 | 85 | MA | OS G/G CONVERSION | | | 3+2+2 |
| 6150 | A1 | 33 | NS | 478 | 85 | MA | OS G/G CONVERSION | | | 3+2+2 |
| 6150 | A1 | 33 | NT | 478 | 85 | MA | OS G/G CONVERSION | | | 3+2+2 |
| 6150 | A1 | 33 | NU | 478 | 85 | MA | OS G/G CONVERSION | | | 3+2+2 |
| 6150 | A1 | 33 | NN | 3 | D5 | ACD | OS OD-13 TIMING PULSE | | | 3+1+3 |
| 6150 | A1 | 33 | NH | 478 | 85 | MA | G/A TD CONVERSION | | | 3+2+5 |
| 6150 | A1 | 33 | NJ | 478 | 85 | MA | G/A TD CONVERSION | | | 3+2+5 |
| 6150 | A2 | 33 | FC | 38 | D5 | CF | OS CORE SET DRIVERS | | | 3+1+1-2 |
| 6150 | A2 | 33 | FD | 38 | D5 | CF | OS CORE SET DRIVERS | | | 3+1+1-2 |
| 6150 | A2 | 33 | FE | 38 | D5 | CF | OS CORE SET DRIVERS | | | 3+1+1-2 |
| 6150 | A2 | 33 | FF | 2 | D5 | CF | OS CORE SET DRIVERS | | | 3+1+1-2 |
| 6150 | A2 | 33 | FG | 38 | D5 | CF | OS CORE SET DRIVERS | | | 3+1+1-2 |

MC-8

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-8 | 05/01/60 | LOGIC |
|------|-----|----|----|--------------|--------|------|---------------------------------|------|----------|---------|
| 6150 | A2 | 33 | FH | 38 | D5 | CF | OS CORE SET DRIVERS | | | 3-1.1-2 |
| 6150 | A2 | 33 | FJ | 38 | D5 | CF | OS CORE SET DRIVERS | | | 3-1.1-2 |
| 6150 | A2 | 33 | JS | 1567 | B5G5 | CF | OS TTY 51 COUNTER | | | 3-2.3 |
| 6150 | A2 | 33 | JY | 47 | D5 | LA | OS TTY 51 COUNTER | | | 3-2.3 |
| 6150 | A2 | 33 | LR | 3 | B5 | CF | OS G/G 5 CNTR SHIFT PULSE GEN | | | 3-2.2 |
| 6150 | A2 | 33 | GC | 1-5 | B5 | CF | OS TTY OUTPUT SHIFT REG | | | 3-2.3 |
| 6150 | A2 | 33 | DF | 3 | D5 | GCF | OC DELAY CNTR SHIFT | | | 3-1.4 |
| 6150 | A2 | 33 | DG | 4 | D5 | CF | 17 CNTR SHIFT | | | 3-2.3 |
| | | | | | | | | | | |
| 6150 | A3 | 33 | HH | 45 | D5 | CF | OS G/A CONTROL | | | 3-2.1 |
| 6150 | A3 | 33 | HH | 6-9 | G5 | CF | OS TTY CONTROL | | | 3-2.3 |
| 6150 | A3 | 33 | JM | 37 | B5D5 | CF | OS G/G CONTROL | | | 3-2.2 |
| 6150 | A3 | 33 | HE | 26-9 | D5G5 | CF | OS G/G SHIFT CONTROL | | | 3-2.2 |
| 6150 | A3 | 33 | HX | 3-9 | D5G5 | CF | OS G/G SHIFT PHASE B | | | 3-2.2 |
| 6150 | A3 | 33 | LN | 37 | D5 | CF | OS G/G CONTROL | | | 3-2.2 |
| 6150 | A3 | 33 | LP | 56 | D5 | CF | OS G/G SEARCH | | | 3-2.2 |
| 6150 | A3 | 33 | KJ | 145 | B5D5 | CF | OS TTY SHIFT CNTRL & SEARCH | | | 3-2.3 |
| 6150 | A3 | 33 | MD | 2 | B5 | CF | OS TTY CONTROL | | | 3-2.3 |
| 6150 | A3 | 33 | DE | 2 | B6 | CF | G/A TD SEARCH | | | 3-2.5 |
| 6150 | A3 | 33 | DF | 7 | D6 | CF | G/A TD NOT SEARCH | | | 3-2.5 |
| 6150 | A3 | 33 | DM | 34 | B5D5 | CF | G/A TD 15 CNTR SHIFT | | | 3-2.5 |
| 6150 | A3 | 33 | DS | 45 | D5 | CF | AUTO PAR CHECK & BUSY BIT CNTRL | | | 3-2.5 |
| 6150 | A3 | 33 | DT | 56 | G5 | CFCF | SHIFT 15 CNTR | | | 3-2.5 |
| 6150 | A3 | 33 | EF | 3 | D5 | CP | 17 CNTR PRIME | | | 3-2.3 |
| 6150 | A3 | 33 | EH | 7 | D5 | CP | PRIME CMSR 15 CNTR | | | 3-2.5 |
| 6150 | A3 | 33 | NX | 57 | D5D6 | CF | OS G/A FD TEST CONTROL | | | 3-1.4 |
| | | | | | | | | | | |
| 6150 | A4 | 33 | EX | 1 | B5 | CF | G/A TD HALF WRT CUR GEN | | | 3-1.1-3 |
| 6150 | A4 | 33 | EX | 49 | D5G5 | CF | OS G/A TD HALF WRT CUR GEN | | | 3-1.1-3 |
| 6150 | A4 | 33 | FP | 149 | B5D5G5 | CF | OS G/A G/G FD HALF WRT CUR GEN | | | 3-1.1-3 |
| | | | | | | | | | | |
| 6150 | A5 | 33 | LS | 9 | D5G5 | CP | OS G/G COMPLETED MSG SHIFT REG | | | 3-2.2 |
| 6150 | A5 | 33 | LT | 9 | D5G5 | CP | OS G/G COMPLETED MSG SHIFT REG | | | 3-2.2 |
| 6150 | A5 | 33 | LU | 9 | D5G5 | CP | OS G/G COMPLETED MSG SHIFT REG | | | 3-2.2 |
| 6150 | A5 | 33 | LV | 148 | B5G5 | CF | OS G/G COMPLETED MSG SHIFT REG | | | 3-2.2 |
| 6150 | A5 | 33 | LW | 347 | D5 | CF | OS G/G COMPLETED MSG SHIFT REG | | | 3-2.2 |
| 6150 | A5 | 33 | GV | 2 | B6 | CF | COMPLETED MSG SHIFT REG | | | 3-2.5 |
| 6150 | A5 | 33 | GW | 89 | B6D5 | CP | COMPLETED MSG SHIFT REG | | | 3-2.5 |
| 6150 | A5 | 33 | GX | 347-9 | B5D5 | CF | TD CMSR & ORA SLOTS | | | 3-2.5 |
| | | | | | | | | | | |
| 6150 | A6 | 33 | KC | 7 | D5 | CF | OS TTY PARITY CHECK | | | 3-2.3 |
| 6150 | A6 | 33 | KD | 7 | D5 | CF | OS TTY PARITY CHECK | | | 3-2.3 |
| 6150 | A6 | 33 | KE | 7 | D5 | CF | OS TTY PARITY CHECK | | | 3-2.3 |
| 6150 | A6 | 33 | KF | 7 | D5 | CF | OS TTY PARITY CHECK | | | 3-2.3 |
| 6150 | A6 | 33 | KG | 7 | D5 | CF | OS TTY PARITY CHECK | | | 3-2.3 |
| 6150 | A6 | 33 | LM | 2 | B5 | CF | OS DATA PULSE STRETCHER | | | 3-1.4 |
| 6150 | A6 | 33 | LT | 2 | D5 | CFF | PARITY CHECK | | | 3-2.5 |
| 6150 | A6 | 33 | LJ | 1 | D5 | CF | OS G/A FD STORAGE PARITY CHECK | | | 3-2.1 |
| 6150 | A6 | 33 | LX | 7 | D5 | CF | OS G/G PARITY | | | 3-2.2 |
| | | | | | | | | | | |
| 6150 | B1 | 42 | CC | 3 | D5 | CF | OC READ IN CONTROL | | | 3-1.1-3 |
| 6150 | B1 | 42 | CD | 19 | G5 | CF | OC READ IN CONTROL | | | 3-1.1-3 |
| 6150 | B1 | 42 | CE | 14 | D5 | CF | OC READ IN CONTROL | | | 3-1.1-3 |
| 6150 | B1 | 42 | CG | 14 | D5 | CF | OC READ IN CONTROL | | | 3-1.1-3 |
| 6150 | B1 | 42 | CK | 3 | B5 | CF | OC SHIFT G/A TD CMSR | | | 3-1.1-3 |
| | | | | | | | | | | |
| 6150 | B2 | 42 | GR | 1 | D5 | CF | OC LOST PARITY | | | 3-1.1-2 |
| | | | | | | | | | | |
| 6150 | B3 | 42 | CN | 1235788509G5 | | CF | OC ADDRESS DECODER | | | 3-1.1 |
| 6150 | B3 | 42 | CP | 1235788509G5 | | CF | OC ADDRESS DECODER | | | 3-1.1 |
| 6150 | B3 | 42 | CR | 3489 | D5 | CF | OC ADDRESS DECODER | | | 3-1.1 |
| 6150 | B3 | 42 | GO | 89 | D5 | CF | OC ALARM CONTROL | | | 3-1.1-2 |
| | | | | | | | | | | |
| 6150 | B4 | 42 | BC | 1-6 | D5 | CF | OC SECTION REG | | | 3-1.1 |
| 6150 | B4 | 42 | BC | 89 | D5 | CF | OC G/G COMPARE | | | 3-1.2 |
| 6150 | B4 | 42 | EF | 1459 | B5D5 | CF | OC G/G BURST COUNTER & COMPARE | | | 3-1.2 |
| 6150 | B4 | 42 | EG | 1459 | B5D5 | CF | OC G/G BURST COUNTER & COMPARE | | | 3-1.2 |
| 6150 | B4 | 42 | EH | 1459 | B5D5 | CF | OC G/G BURST COUNTER & COMPARE | | | 3-1.2 |
| 6150 | B4 | 42 | EJ | 1459 | B5D5 | CF | OC G/G BURST COUNTER & COMPARE | | | 3-1.2 |
| 6150 | B4 | 42 | EK | 1459 | B5D5 | CF | OC TTY BURST COUNTER & COMPARE | | | 3-1.2 |
| 6150 | B4 | 42 | EL | 1459 | B5D5 | CF | OC TTY BURST COUNTER & COMPARE | | | 3-1.2 |
| 6150 | B4 | 42 | EM | 1459 | B5D5 | CF | OC TTY BURST COUNTER & COMPARE | | | 3-1.2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-8 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|------|---------------------------------|------|----------|---------|
| 6150 | B4 | 42 | EN | 67 | D5 | CF | OC G/A G/G TTY COMPARE | | | 3.1.2 |
| 6150 | B4 | 42 | CK | 7 | D5 | CF | OC TTY COMPARE | | | 3.1.2 |
| 6150 | B4 | 42 | FC | 1459 | B5D5 | CF | OC G/A TD BURST CNTR & COMPARE | | | 3.1.2 |
| 6150 | B4 | 42 | FD | 1459 | B5D5 | CF | OC G/A TD BURST CNTR & COMPARE | | | 3.1.2 |
| 6150 | B4 | 42 | FE | 1459 | B5D5 | CF | OC G/A TD BURST CNTR & COMPARE | | | 3.1.2 |
| 6150 | B4 | 42 | FF | 1459 | B5D5 | CF | OC G/A TD BURST CNTR & COMPARE | | | 3.1.2 |
| 6150 | B4 | 42 | FG | 7 | D5 | CF | OC G/A TD BURST CNTR & COMPARE | | | 3.1.2 |
| 6150 | B4 | 42 | FH | 1234 | D5 | CF | OC G/A FD & TD COMPARE | | | 3.1.2 |
| | | | | | | | | | | |
| 6150 | B5 | 42 | AC | 1 | B5 | CF | OC PARITY REG | | | 3.1.1 |
| 6150 | B5 | 42 | AD | 1 | B5 | CF | OC SECTION REG | | | 3.1.1 |
| 6150 | B5 | 42 | AE | 1 | B5 | CF | OC SECTION REG | | | 3.1.1 |
| 6150 | B5 | 42 | AF | 1 | B5 | CF | OC SECTION REG | | | 3.1.1 |
| 6150 | B5 | 42 | AG | 1 | B5 | CF | OC ADDRESS REG | | | 3.1.1 |
| 6150 | B5 | 42 | AH | 1 | B5 | CF | OC ADDRESS REG | | | 3.1.1 |
| 6150 | B5 | 42 | AJ | 1 | B5 | CF | OC ADDRESS REG | | | 3.1.1 |
| 6150 | B5 | 42 | AK | 1 | B5 | CF | OC ADDRESS REG | | | 3.1.1 |
| 6150 | B5 | 42 | AL | 1 | B5 | CF | OC ADDRESS REG | | | 3.1.1 |
| 6150 | B5 | 42 | AM | 1 | B5 | CF | OC BURST NUMBER REG | | | 3.1.1 |
| 6150 | B5 | 42 | AN | 1 | B5 | CF | OC BURST NUMBER REG | | | 3.1.1 |
| 6150 | B5 | 42 | AP | 1 | B5 | CF | OC BURST NUMBER REG | | | 3.1.1 |
| 6150 | B5 | 42 | AR | 1 | B5 | CF | OC BURST NUMBER REG | | | 3.1.1 |
| 6150 | B5 | 42 | AS | 1 | B5 | CF | OC BURST NUMBER REG | | | 3.1.1 |
| 6150 | B5 | 42 | AT | 1 | B5 | CF | OC BURST NUMBER REG | | | 3.1.1 |
| 6150 | B5 | 42 | AU | 1 | B5 | CF | OC BURST NUMBER REG | | | 3.1.1 |
| 6150 | B5 | 42 | AV | 1 | B5 | CF | OC BURST NUMBER REG | | | 3.1.1 |
| 6150 | B5 | 42 | AX | 4 | D5 | CF | OC PARITY GEN | | | 3.1.1-2 |
| 6150 | B5 | 42 | AY | 4 | D5 | CF | OC OB REG LOADING | | | 3.1.1-2 |
| 6150 | B5 | 42 | BD | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BE | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BF | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BG | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BH | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BJ | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BK | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BL | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BM | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BN | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BP | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BR | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BS | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BT | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BU | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BV | 1 | B5 | CF | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| 6150 | B5 | 42 | BY | 2 | D5 | CF | OC PULSE GENERATOR FREQ DIVIDER | | | 3.1.3 |
| 6150 | B5 | 42 | DK | 37 | D5 | CF | OC BURST TIME COUNT SWITCH | | | 3.1.2 |
| 6150 | B5 | 42 | DL | 37 | D5 | CF | OC BURST TIME COUNT SWITCH | | | 3.1.2 |
| 6150 | B5 | 42 | DM | 37 | D5 | CF | OC BURST TIME COUNT SWITCH | | | 3.1.2 |
| 6150 | B5 | 42 | DN | 37 | D5 | CF | OC BURST TIME COUNT SWITCH | | | 3.1.2 |
| 6150 | B5 | 42 | DX | 2 | D5 | CF | OC ILL SECT DET & NO COMPARE | | | 3.1.1 |
| 6150 | B5 | 42 | DY | 23 | B6 | CF | OC ILLEGAL ADR DETECTION | | | 3.1.1 |
| | | | | | | | | | | |
| 6150 | B6 | 42 | DD | 1589 | D5 | CF | OC BURST CNTR SELECT | | | 3.1.2 |
| 6150 | B6 | 42 | DE | 78 | G5 | CF | OC BURST CNTR SELECT | | | 3.1.2 |
| 6150 | B6 | 42 | DJ | 8 | G5 | CF | OC ENABLE ODPULSES | | | 3.1.4 |
| 6150 | B6 | 42 | GL | 8 | D5 | CF | OC TEST WORD GEN | | | 3.1.4 |
| 6150 | B6 | 42 | GJ | 34 | B5 | CF | OC TEST SHIFT | | | 3.1.4 |
| | | | | | | | | | | |
| 6150 | C1 | 42 | EN | 489 | G5 | I | OC G/A G/G TTY COMPARE | | | 3.1.2 |
| 6150 | C1 | 42 | DJ | 2 | D5 | I | OC MASTER STOP | | | 3.1.4 |
| 6150 | C1 | 42 | FG | 8 | G5 | I | OC G/A TD COMPARE | | | 3.1.2 |
| | | | | | | | | | | |
| 6150 | C2 | 42 | CC | 7 | G5 | I | OC READ IN CONTROL | | | 3.1.1-3 |
| 6150 | C2 | 42 | CD | 37 | D5 | I | OC READ IN CONTROL | | | 3.1.1-3 |
| 6150 | C2 | 42 | CE | 67 | G5 | I | OC READ IN CONTROL | | | 3.1.1-3 |
| 6150 | C2 | 42 | CG | 67 | G5 | I | OC READ IN CONTROL | | | 3.1.1-3 |
| | | | | | | | | | | |
| 6150 | C3 | 42 | DS | 234789D5 | | LA | OC G/G ORA SLOTS 0-19 | | | 3.1.1 |
| 6150 | C3 | 42 | DT | 567 | D5 | LA | OC G/A FD BOM 1-2 ORA SLOTS | | | 3.1.1 |
| 6150 | C3 | 42 | DJ | 234789D5 | | LA6 | OC G/A G/G TD ORA SLOTS | | | 3.1.1 |
| 6150 | C3 | 42 | DX | 5 | G5 | I | OC ILL SECT DET & NO COMPARE | | | 3.1.1 |
| | | | | | | | | | | |
| 6150 | C6 | 33 | NP | 136 | D5 | LGT | OS G/G CONVERSION | | | 3.2.2 |
| 6150 | C6 | 33 | NR | 136 | D5 | LGT | OS G/G CONVERSION | | | 3.2.2 |

MC-8

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-8 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|------------------------------------|------|----------|---------|
| 6130 | C6 | 33 | NS | 136 | D5 | LGT OS G/G CONVERSION | | | 3-2-2 |
| 6130 | C6 | 33 | NT | 136 | D5 | LGT OS G/G CONVERSION | | | 3-2-2 |
| 6130 | C6 | 33 | NU | 136 | D5 | LGT OS G/G CONVERSION | | | 3-2-2 |
| 6130 | C6 | 33 | NM | 48 | D5G5 | CF OS CONVERSION PULSE GEN | | | 3-1-3 |
| 6130 | C6 | 33 | NH | 136 | D5 | LGT G/A-TD CONVERSION | | | 3-2-3 |
| 6130 | C6 | 33 | NJ | 136 | D5 | LGT G/A TD CONVERSION | | | 3-2-3 |
| 6130 | D1 | 33 | GO | 3-6 | B5 | CSD OS TTY OUTPUT SHIFT REG | | | 3-2-3 |
| 6130 | D1 | 33 | GE | 3-6 | B5 | CSD OS TTY OUTPUT SHIFT REG | | | 3-2-3 |
| 6130 | D1 | 33 | GF | 3-6 | B5 | CSD OS TTY OUTPUT SHIFT REG | | | 3-2-3 |
| 6130 | D1 | 33 | GG | 3-6 | B5 | CSD OS TTY OUTPUT SHIFT REG | | | 3-2-3 |
| 6130 | D1 | 33 | GH | 3-6 | B5 | CSD OS TTY OUTPUT SHIFT REG | | | 3-2-3 |
| 6130 | D1 | 33 | HU | 6-9 | D5 | CSD OS G/G OUTPUT SHIFT REG | | | 3-2-2 |
| 6130 | D1 | 33 | HV | 6-9 | D5 | CSD OS G/G OUTPUT SHIFT REG | | | 3-2-2 |
| 6130 | D1 | 33 | HW | 67 | D5 | CSD OS G/G OUTPUT SHIFT REG | | | 3-2-2 |
| 6130 | D1 | 33 | DP | 1-4 | D5 | CSD G/A TD OUTPUT SHIFT REG | | | 3-2-3 |
| 6130 | D1 | 33 | DR | 1-4 | D5 | CSD G/A TD OUTPUT SHIFT REG | | | 3-2-3 |
| 6130 | DE | 33 | JV | 89 | D5 | CSD OS TTY 51 COUNTER | | | 3-2-3 |
| 6130 | D2 | 33 | JW | 89 | D5 | CSD OS TTY 51 COUNTER | | | 3-2-3 |
| 6130 | D2 | 33 | JX | 89 | D5 | CSD OS TTY 51 COUNTER | | | 3-2-3 |
| 6130 | D2 | 33 | JG | 56 | D5 | CSD OS G/G 19 COUNTER | | | 3-2-2 |
| 6130 | D2 | 33 | JM | 89 | G5 | CSD OS G/G 19 COUNTER SHIFT | | | 3-2-2 |
| 6130 | D2 | 33 | JT | 3 | D6 | I OS TTY 51 COUNTER | | | 3-2-3 |
| 6130 | D2 | 33 | JU | 89 | D5 | CSD OS TTY 51 COUNTER | | | 3-2-3 |
| 6130 | D2 | 33 | LR | 56 | D5 | CSD OS G/G 5 CNTR SHIFT PULSE GEN | | | 3-2-2 |
| 6130 | D2 | 33 | DM | 67 | G5 | CSD G/A TD SHIFT 15 CNTR | | | 3-2-3 |
| 6130 | D2 | 33 | DG | 67 | G5 | CSD OC DELAY CNTR SHIFT | | | 3-1-4 |
| 6130 | D2 | 33 | EF | 8 | B5 | I G/A TD 15 COUNTER | | | 3-2-3 |
| 6130 | D2 | 33 | EG | 1-4 | D5 | CSD G/A TD 17 CNTR | | | 3-2-3 |
| 6130 | D3 | 33 | LS | 2378 | B5 | CSD OS G/G COMPLETED MSG SHIFT REG | | | 3-2-2 |
| 6130 | D3 | 33 | LT | 2378 | B5 | CSD OS G/G COMPLETED MSG SHIFT REG | | | 3-2-2 |
| 6130 | D3 | 33 | LU | 2378 | B5 | CSD OS G/G COMPLETED MSG SHIFT REG | | | 3-2-2 |
| 6130 | D3 | 33 | GW | 137 | B5 | CSD COMPLETED MSG SHIFT REG | | | 3-2-3 |
| 6130 | D4 | 42 | GG | 56 | D5 | CSD OC COMPL OB REG | | | 3-1-4 |
| 6130 | D4 | 42 | GH | 56 | D5 | CSD OC COMPL OB REG | | | 3-1-4 |
| 6130 | D4 | 42 | GJ | 56 | D5 | CSD OC COMPL OB REG | | | 3-1-4 |
| 6130 | E1 | 42 | BX | 3 | D5 | ST OC PULSE GEN | | | 3-1-3 |
| 6130 | E2 | 33 | LK | 1 | B5 | VRD OS RESET FF | | | 3-1-3 |
| 6130 | E2 | 33 | MD | 13579 | D5 | VRD OS TTY LINE REG | | | 3-2-3 |
| 6130 | E2 | 33 | MG | 13579 | D5 | VRD OS TTY LINE REG | | | 3-2-3 |
| 6130 | E2 | 33 | MK | 13579 | D5 | VRD OS TTY LINE REG | | | 3-2-3 |
| 6130 | E2 | 33 | MN | 13579 | D5 | VRD OS TTY LINE REG | | | 3-2-3 |
| 6130 | E2 | 33 | MS | 13579 | D5 | VRD OS TTY LINE REG | | | 3-2-3 |
| 6130 | E2 | 42 | GC | 9 | D5 | VRD OC G/A G/G TTY ALARM | | | 3-1-1-2 |
| 6130 | E2 | 42 | GP | 9 | D5 | VRD OS G/A TD ALARM | | | 3-1-1-2 |
| 6130 | E2 | 42 | GP | 9 | D5 | VRD OC G/A TD BOM 1-2 ALARM | | | 3-1-1-2 |
| 6130 | E2 | 33 | NV | 37 | D5 | VRD OS G/G G/G PD TD CHAN 1-4 | | | 3-1-4 |
| 6130 | E2 | 33 | NX | 3 | B6 | VRD OS LRI LOOP CHAN SEL | | | 3-1-4 |
| 6130 | E4 | 33 | FN | 1267 | D5 | RID OS HALF WRITE CURRENT GEN | | | 3-1-1-3 |
| 6130 | E4 | 33 | FR | 1267 | D5 | RID OS HALF WRITE CURRENT GEN | | | 3-1-1-3 |
| 6130 | E4 | 33 | FU | 1267 | D5 | RID OS HALF WRITE CURRENT GEN | | | 3-1-1-3 |
| 6130 | E4 | 33 | FV | 1267 | D5 | RID OS HALF WRITE CURRENT GEN | | | 3-1-1-3 |
| 6130 | E4 | 33 | FW | 1267 | D5 | RID OS HALF WRITE CURRENT GEN | | | 3-1-1-3 |
| 6130 | E4 | 33 | EU | 1267 | D5 | RID OS HALF WRT CUR GEN | | | 3-1-1-3 |
| 6130 | E4 | 33 | EV | 1267 | D5 | RID OS HALF WRT CUR GEN | | | 3-1-1-3 |
| 6130 | E4 | 33 | EW | 1267 | D5 | RID OS HALF WRITE CURRENT GEN | | | 3-1-1-3 |
| 6130 | F1 | 33 | GJ | 1-9 | D5 | FA OS TTY FLUX AMPLIFIERS | | | 3-2-3 |
| 6130 | F1 | 33 | GK | 1-9 | D5 | FA OS TTY FLUX AMPLIFIERS | | | 3-2-3 |
| 6130 | F1 | 33 | GL | 1-7 | D5 | FA OS TTY FLUX AMPLIFIERS | | | 3-2-3 |
| 6130 | F1 | 33 | HR | 1-9 | D5 | FA OS G/G FLUX AMPLIFIER | | | 3-2-2 |
| 6130 | F1 | 33 | HS | 1-9 | D5 | FA OS G/G FLUX AMPLIFIER | | | 3-2-2 |
| 6130 | F1 | 33 | HT | 3-9 | D5 | FA OS G/G FLUX AMPLIFIER | | | 3-2-2 |
| 6130 | F1 | 33 | JN | 1-9 | D5 | FA OS G/G FLUX AMPLIFIER | | | 3-2-2 |
| 6130 | F1 | 33 | JP | 1-9 | D5 | FA OS G/G FLUX AMPLIFIER | | | 3-2-2 |
| 6130 | F1 | 33 | JR | 3-9 | D5 | FA OS G/G FLUX AMPLIFIER | | | 3-2-2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-8 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|----------|------------------|----------------------------------|----------|---------|
| 6150 | F1 | 33 | DM | 1-9 | D5 | FA | G/A TD FLUX AMPLIFIER | | 3.2.5 |
| 6150 | F1 | 33 | DN | 1-8 | D5 | FA | G/A TD FLUX AMPLIFIER | | 3.2.5 |
| 6150 | F2 | 33 | JS | 23 | D5 | SS | OS TTY 51 COUNTER | | 3.2.3 |
| 6150 | F2 | 33 | LN | 89 | G5 | SS | OS G/G CONTROL | | 3.2.2 |
| 6150 | F2 | 33 | LV | 67 | D5 | SS | OS G/G COMPLETED MSG SHIFT REG | | 3.2.2 |
| 6150 | F2 | 42 | AY | 12 | B5 | SS | OC OB REG LOADING | | 3.1.1-2 |
| 6150 | F2 | 33 | GX | 56 | D6 | SS | CLEAR TD CMSR | | 3.2.5 |
| 690 | A1 | 33 | JM | 1 | B6 | GT | OS G/G SYNC GEN | | 3.2.2 |
| 690 | A1 | 33 | KH | 78 | G56 | GT | OS TTY CONTROL | | 3.2.3 |
| 690 | A1 | 33 | LN | 26 | D6G7 | GT | OS G/G CONTROL | | 3.2.2 |
| 690 | A1 | 33 | LP | 1 | B6 | GT | OS G/G SHIFT CONTROL | | 3.2.2 |
| 690 | A1 | 33 | DE | 4 | D6 | GT | FREQ DIV 2 | | 3.2.5 |
| 690 | A1 | 33 | DH | 59 | B6G6 | GT | G/A TD SHIFT 15 CNTR | | 3.2.5 |
| 690 | A1 | 33 | DS | 2 | B5 | CF | AUTO PAR CHECK & BUSY BIT CNTRL | | 3.2.5 |
| 690 | A1 | 33 | EH | 3 | B5 | GT | SYNC GEN | | 3.2.5 |
| 690 | A1 | 33 | NX | 4689 | B5D5G67 | GT | OS LRI LOOP CHAN SEL | | 3.1.4 |
| 690 | A2 | 33 | GD | 12789 | B6D5G567 | GT | OS TTY OUT SHIFT REG | | 3.2.3 |
| 690 | A2 | 33 | GE | 12789 | B6D5G567 | GT | OS TTY OUT SHIFT REG | | 3.2.3 |
| 690 | A2 | 33 | GF | 12789 | B6D5G567 | GT | OS TTY OUT SHIFT REG | | 3.2.3 |
| 690 | A2 | 33 | GG | 12789 | B6D5G567 | GT | OS TTY OUT SHIFT REG | | 3.2.3 |
| 690 | A2 | 33 | GH | 12789 | B6D5G567 | GT | OS TTY OUT SHIFT REG | | 3.2.3 |
| 690 | A2 | 33 | HU | 34 | D6G5 | GT | OS G/G OUT SHIFT REG | | 3.2.2 |
| 690 | A2 | 33 | HV | 34 | D6G5 | GT | OS G/G OUT SHIFT REG | | 3.2.2 |
| 690 | A2 | 33 | HW | 3 | D6 | GT | OS G/G SHIFT REG | | 3.2.2 |
| 690 | A2 | 33 | DP | 7 | G6 | GT | G/A TD TEST DATA 1 | | 3.2.5 |
| 690 | A2 | 33 | DR | 68 | G6 | GT | G/A TD TEST DATA 2 | | 3.2.5 |
| 690 | A2 | 33 | EF | 2 | B6 | GT | 17 CNTR SYNC | | 3.2.5 |
| 690 | A3 | 33 | JT | 4 | G5 | GT | OS TTY 51 COUNTER | | 3.2.3 |
| 690 | A3 | 33 | JG | 3789 | B6G567 | GT | OS G/G 19 COUNTER | | 3.2.2 |
| 690 | A3 | 33 | JS | 4 | D6 | GT | OS TTY 51 COUNTER | | 3.2.3 |
| 690 | A3 | 33 | JY | 24 | D6G6 | GT | OS TTY 51 COUNTER | | 3.2.3 |
| 690 | A3 | 33 | JT | 12 | B6D5 | GT | OS TTY SPEED SHIFT PUL GEN | | 3.2.3 |
| 690 | A3 | 33 | DH | 8 | G7 | GT | G/A TD 15 CNTR | | 3.2.5 |
| 690 | A3 | 33 | DJ | 9 | G5 | GT | G/A TD 15 COUNTER | | 3.2.5 |
| 690 | A3 | 33 | DK | 9 | G5 | GT | G/A TD 15 COUNTER | | 3.2.5 |
| 690 | A3 | 33 | DL | 9 | G5 | GT | G/A TD 15 COUNTER | | 3.2.5 |
| 690 | A3 | 33 | EH | 1 | B6 | GT | G/A TD 15 COUNTER | | 3.2.5 |
| 690 | A3 | 33 | DG | 9 | G6 | GT | 17 CNTR SHIFT | | 3.2.5 |
| 690 | A3 | 33 | EG | 678 | G567 | GT | G/A TD 17 CNTR | | 3.2.5 |
| 690 | A3 | 33 | LR | 4 | D6 | GT | OS G/G 5 CNTR SHIFT PULSE GEN | | 3.2.2 |
| 690 | A4 | 33 | KH | 1 | B5 | GT | OS TTY PARITY ALARM | | 3.2.3 |
| 690 | A4 | 33 | LX | 5 | G5 | GT | OS G/G PARITY ALARM | | 3.2.2 |
| 690 | A4 | 33 | DT | 1 | B6 | GT | TD PARITY ALARM | | 3.2.5 |
| 690 | A5 | 33 | LS | 46 | D6G6 | GT | OS G/G COMPLETED MSG SHIFT REG | | 3.2.2 |
| 690 | A5 | 33 | LT | 46 | D6G6 | GT | OS G/G COMPLETED MSG SHIFT REG | | 3.2.2 |
| 690 | A5 | 33 | LM | 38 | B6G6 | GT | OS G/G G/G UNIT TEST & SHFT CTRL | | 3.1.4 |
| 690 | A5 | 33 | LU | 4 | D6 | GT | OS G/G COMPLETED MSG SHIFT REG | | 3.2.2 |
| 690 | A5 | 33 | KR | 24 | B5D5 | GT | OS G/G G/G UNIT TEST CNTRL | | 3.1.4 |
| 690 | A5 | 33 | GV | 469 | D6G57 | GT | COMPLETED MSG SHIFT REG | | 3.2.5 |
| 690 | A5 | 33 | GW | 246 | D6G57 | GT | COMPLETED MSG SHIFT REG | | 3.2.5 |
| 690 | B1 | 33 | HD | 3 | B6 | GT | OS COMPUTER LOOP CONTROL | | 3.2.3 |
| 690 | B1 | 33 | HD | 57 | G56 | GT | OS GATED 13 CSR & PAUSE | | 3.1.4 |
| 690 | B3 | 42 | CC | 1458 | B6D6G6 | GT | OC READ IN CONTROL | | 3.1.1-3 |
| 690 | B3 | 42 | CD | 24568 | B6D6G67 | GT | OC READ IN CONTROL | | 3.1.1-3 |
| 690 | B3 | 42 | CE | 2389 | B6D6G67 | GT | OC READ IN CONTROL | | 3.1.1-3 |
| 690 | B3 | 42 | CG | 2389 | B6D6G67 | GT | OC READ IN CONTROL | | 3.1.1-3 |
| 690 | B3 | 42 | CK | 48 | B5G5 | GT | OC SHIFT G/A TD CMSR | | 3.1.1-3 |
| 690 | B4 | 42 | AC | 57 | D6G6 | GT | OC LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | B4 | 42 | AD | 57 | D6G6 | GT | OC LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | B4 | 42 | AE | 57 | D6G6 | GT | OC LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | B4 | 42 | AF | 57 | D6G6 | GT | OC LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | B4 | 42 | AG | 57 | D6G6 | GT | OC LEFT DRUM WORD REG PARITY | | 3.1.1 |

MC-8

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-8 | 05/01/60 | LOGIC |
|--------|-----|----|-----------------|---------|------|------|----------------------------------|------|----------|---------|
| 690 B4 | 42 | AH | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AJ | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AK | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AL | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AM | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AN | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AP | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AR | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AS | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AT | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AU | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | AV | 57 | D6G6 | | GT | OC LEFT DRUM WORD REG PARITY | | | 3.1.1 |
| 690 B4 | 42 | BD | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BE | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BF | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BG | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BH | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BJ | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BK | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BL | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BM | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BN | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BP | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BR | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BS | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BT | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BU | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| 690 B4 | 42 | BV | 57 | D6G6 | | GT | OC RIGHT DRUM WORD REG PARITY | | | 3.1.1-2 |
| | | | | | | | | | | |
| 690 B5 | 42 | DC | 1346 | B56D6G6 | | GT | OC TIME CNTR CTRL SEL & RD | | | 3.1.2 |
| 690 B5 | 42 | DD | 6 | D6 | | GT | OC BURST CNTR SELECT | | | 3.1.2 |
| 690 B5 | 42 | DE | 23 | B6D5 | | PA | OC BURST CNTR SELECT | | | 3.1.2 |
| 690 B5 | 42 | GF | 27 | G56 | | GT | OC TEST XFER & TD UNIT TEST CTRL | | | 3.1.4 |
| 690 B5 | 42 | GG | 1-47-9856D6G567 | | | GT | OC COMPL OB REG | | | 3.1.4 |
| 690 B5 | 42 | GH | 1-47-9856D6G567 | | | GT | OC COMPL OB REG | | | 3.1.4 |
| 690 B5 | 42 | GJ | 789 | G567 | | GT | OC COMPL OB REG | | | 3.1.4 |
| 690 B5 | 42 | GK | 78 | G67 | | GT | OC RESTART TO DRUM SYNC | | | 3.1.1-2 |
| 690 B5 | 42 | GL | 6 | G5 | | GT | OC TEST WORD GEN | | | 3.1.4 |
| 690 B5 | 42 | AC | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AD | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AE | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AF | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AG | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AH | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AJ | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AK | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AL | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AM | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AN | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AP | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AR | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AS | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AT | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AU | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | AV | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BD | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BE | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BG | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BH | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BJ | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BK | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BL | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BM | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BN | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BP | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BR | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BS | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BT | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BU | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| 690 B5 | 42 | BV | 3 | B6 | | GT | OC TEST READ IN CONTROL | | | 3.1.4 |
| | | | | | | | | | | |
| 690 B6 | 42 | BY | 4 | G5 | | GT | OC PULSE GEN FREQ DIVIDER | | | 3.1.3 |
| 690 B6 | 42 | BX | 6 | D6 | | PA | OC PULSE GEN | | | 3.1.3 |
| 690 B6 | 42 | ER | 1368 | B56D6G6 | | GT | OC PULSE GEN | | | 3.1.3 |
| 690 B6 | 42 | EU | 16 | B6G5 | | GT | OC PULSE GEN | | | 3.1.3 |
| 690 B6 | 42 | EV | 357 | B5D5G5 | | GT | OC PULSE GEN | | | 3.1.3 |
| 690 B6 | 42 | EW | 357 | B5D5G5 | | GT | OC PULSE GEN | | | 3.1.3 |

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-8 | 05/01/60 | LOGIC |
|-----|-----|----|----|----------|----------|------|-------------|----------------------------|----------|---------|
| 690 | B6 | 42 | EX | 68 | G6G7 | GT | OC | 32 PPS CONTROL | | 3.1.2 |
| 690 | B6 | 42 | EY | 68 | G6G7 | GT | OC | RESET & PRIME CONTROL | | 3.1.3 |
| 690 | C1 | 42 | EF | 7 | G6 | GT | OC | G/G BURST COUNTER | | 3.1.2 |
| 690 | C1 | 42 | EG | 7 | G6 | GT | OC | G/G BURST COUNTER | | 3.1.2 |
| 690 | C1 | 42 | EH | 7 | G6 | GT | OC | G/G BURST COUNTER | | 3.1.2 |
| 690 | C1 | 42 | EJ | 7 | G6 | GT | OC | G/G BURST COUNTER | | 3.1.2 |
| 690 | C1 | 42 | EK | 7 | G6 | GT | OC | TTY BURST COUNTER | | 3.1.2 |
| 690 | C1 | 42 | EL | 7 | G6 | GT | OC | TTY BURST COUNTER | | 3.1.2 |
| 690 | C1 | 42 | EM | 7 | G6 | GT | OC | TTY BURST COUNTER | | 3.1.2 |
| 690 | C1 | 42 | EN | 1 | B6 | PA | OC | RESET TTY BURST CNTR | | 3.1.2 |
| 690 | C1 | 42 | FC | 7 | G6 | GT | OC | G/A TD BURST CNTR | | 3.1.2 |
| 690 | C1 | 42 | FD | 7 | G6 | GT | OC | G/A TD BURST CNTR | | 3.1.2 |
| 690 | C1 | 42 | FE | 7 | G6 | GT | OC | G/A TD BURST CNTR | | 3.1.2 |
| 690 | C1 | 42 | FF | 7 | G6 | GT | OC | G/A TD BURST CNTR | | 3.1.2 |
| 690 | C2 | 42 | GD | 13 | B56 | GT | OC | ALARM CONTROL | | 3.1.1-2 |
| 690 | C2 | 42 | GR | 3-7 | B6D6G567 | PA | OC | PARITY ALARM G/G TD TTY | | 3.1.1-2 |
| 690 | C2 | 42 | DY | 589 | D5G67 | PA | OC | DRUM PARITY ALARM | | 3.1.1-2 |
| 690 | C3 | 42 | AC | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AD | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AE | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AF | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AG | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AH | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AJ | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AK | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AL | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AM | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AN | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AP | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AR | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AS | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AT | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AU | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AV | 68 | G57 | GT | OC | LEFT DRUM WORD REG PARITY | | 3.1.1 |
| 690 | C3 | 42 | AW | 1 | B5 | GT | OC | OD-4 RESET CNTRL | | 3.1.1 |
| 690 | C3 | 42 | DK | 28 | B6G6 | GT | OC | BURST TIME COUNT SWITCH | | 3.1.2 |
| 690 | C3 | 42 | DL | 28 | B6G6 | GT | OC | BURST TIME COUNT SWITCH | | 3.1.2 |
| 690 | C3 | 42 | DM | 28 | B6G6 | GT | OC | BURST TIME COUNT SWITCH | | 3.1.2 |
| 690 | C3 | 42 | DN | 28 | B6G6 | GT | OC | BURST TIME COUNT SWITCH | | 3.1.2 |
| 690 | C3 | 42 | AW | 1 | B5 | GT | OC | OD-4 RESET CNTRL | | 3.1.1 |
| 690 | C3 | 42 | DX | 36 | B6G6 | GT | OC | ILL SECT DET & NO COMPARE | | 3.1.1 |
| 690 | C3 | 42 | DY | 7 | G5 | GT | OC | ILLEGAL ADDRESS DETECTION | | 3.1.1 |
| 690 | C3 | 42 | DT | 89 | G7 | AGT | G/A | FD ORA | | 3.1.1 |
| 690 | C3 | 42 | BD | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BE | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BF | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BG | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BH | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BJ | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BK | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BL | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BM | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BN | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BP | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BR | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BS | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BT | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BU | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | C3 | 42 | BV | 68 | G57 | GT | OC | RIGHT DRUM WORD REG PARITY | | 3.1.1-2 |
| 690 | D1 | 42 | GL | 3 | D6 | BPA | OC | TEST WORD GEN | | 3.1.4 |
| 690 | D2 | 33 | LK | 4 | D5 | BPA | OS | RESET FF | | 3.1.3 |
| 690 | D2 | 42 | AW | 5 | D6 | BPA | OC | OD-4 RESET CNTRL | | 3.1.1 |
| 690 | D2 | 42 | EP | 46 | D6G5 | PA | OC | OD-1 PULSE GEN DELAY | | 3.1.3 |
| 690 | D2 | 42 | ES | 368 | D5G67 | PA | OC | OD-3 & PARITY DELAY | | 3.1.3 |
| 690 | D2 | 42 | ET | 3 | B6 | PA | OC | OD-4 | | 3.1.3 |
| 690 | D2 | 42 | EN | 23 | D6G6 | BPA | OC | RESET G/A BURST COUNTER | | 3.1.2 |
| 690 | D2 | 42 | ES | 2 | B6 | BPA | OC | STOP NO COMPARE | | 3.1.1-2 |
| 690 | D2 | 42 | FG | 2 | D6 | BPA | OC | G/A TD BURST CNTR | | 3.1.2 |
| 690 | F1 | 33 | FC | 124-79G7 | | STD | OS | CORE SET DRIVERS | | 3.1.1-2 |

MC-8

| V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-8 | 05/01/60 | LOGIC |
|------|-----|----|----|----------|------|------|--------------------------------|------|----------|---------|
| 690 | F1 | 33 | FD | 124-7967 | | STD | OS CORE SET DRIVERS | | | 3.1.1-2 |
| 690 | F1 | 33 | FE | 124-7967 | | STD | OS CORE SET DRIVERS | | | 3.1.1-2 |
| 690 | F1 | 33 | FF | 134 G5 | | STD | OS CORE SET DRIVERS | | | 3.1.1-2 |
| 690 | F1 | 33 | FG | 124-7967 | | STD | OS CORE SET DRIVERS | | | 3.1.1-2 |
| 690 | F1 | 33 | FH | 124-7967 | | STD | OS CORE SET DRIVERS | | | 3.1.1-2 |
| 690 | F1 | 33 | FJ | 124-7967 | | STD | OS CORE SET DRIVERS | | | 3.1.1-2 |
| -150 | A2 | 33 | GC | 67 | D7 | GFF | OS TTY OUTPUT SHIFT REG | | | 3.2.3 |
| -150 | A2 | 33 | HH | 12 | B7 | GFF | OS G/A OUTPUT SHIFT CONTROL | | | 3.2.1 |
| -150 | A2 | 33 | HX | 12 | B7 | GFF | OS G/G OUTPUT SHIFT | | | 3.2.2 |
| -150 | A2 | 33 | LW | 12 | B7 | GFF | OS G/G COMPLETED MSG SHIFT REG | | | 3.2.2 |
| -150 | A2 | 33 | GX | 12 | B7 | GFF | SHIFT TD CMSR | | | 3.2.5 |
| -150 | A3 | 33 | DF | 12 | B7 | GFF | OC DELAY CNTR SHIFT | | | 3.1.4 |
| -150 | A3 | 33 | FF | 56 | D7 | AFF | OS CORE SET PULSE | | | 3.1.1-2 |
| -150 | A3 | 33 | JM | 56 | B7 | GFF | OS G/G 19 COUNTER SHIFT | | | 3.2.2 |
| -150 | A3 | 33 | JS | 89 | D8 | GFF | OS TTY 51 COUNTER SHIFT | | | 3.2.3 |
| -150 | A3 | 33 | LM | 23 | B7 | GFF | OS G/A 13 COUNTER SHIFT | | | 3.2.1 |
| -150 | A3 | 33 | LR | 12 | B7 | GFF | OS G/G 5 CNTR SHIFT PULSE GEN | | | 3.2.2 |
| -150 | A3 | 33 | DG | 12 | B7 | AFF | 17 CNTR SHIFT | | | 3.2.5 |
| -150 | A3 | 33 | DM | 12 | B7 | GFF | G/A TD SHIFT 15 CNTR | | | 3.2.5 |
| -150 | A4 | 33 | EX | 23 | D7 | AFF | G/A TD HALF WRT CUR GEN | | | 3.1.1-3 |
| -150 | A4 | 33 | FP | 235-8 | D7 | AFF | OS G/A G/G FD HALF WRT CUR GEN | | | 3.1.1-3 |
| -150 | A5 | 42 | AX | 23 | B7 | AFF | OC PARITY GEN | | | 3.1.1-2 |
| -150 | A5 | 42 | GJ | 12 | B7 | GFF | OC TEST SHIFT | | | 3.1.4 |
| -150 | B1 | 33 | FF | 789 | D8 | CF6 | OS CORE SET PULSE | | | 3.1.1-2 |
| -150 | B1 | 33 | LP | 56 | D7 | CF6 | OS G/G SEARCH | | | 3.2.2 |
| -150 | B1 | 33 | KJ | 14 | B7 | CF6 | OS TTY SHIFT CNTRL & SEARCH | | | 3.2.3 |
| -150 | B1 | 33 | LW | 347 | D7 | CF6 | OS COMPLETED MESSAGE SHIFT | | | 3.2.2 |
| -150 | B1 | 33 | DE | 2 | B7 | CF | G/A TD SEARCH | | | 3.2.5 |
| -150 | B1 | 33 | DF | 7 | B7 | CF | G/A TJ NOT SEARCH | | | 3.2.5 |
| -150 | B1 | 33 | GX | 34 | D7 | CF | TD CMSR & ORA SLOTS | | | 3.2.5 |
| -150 | C2 | 42 | AX | 4 | D7 | CF6 | OC PARITY GEN | | | 3.1.1-2 |
| -150 | C2 | 42 | AY | 4 | D7 | CF6 | OC OB REG LOADING | | | 3.1.1-2 |
| -150 | C2 | 42 | DF | 2-7 | D7 | CF6 | OC SELECTION DECODER | | | 3.1.2 |
| -150 | C2 | 42 | DS | 234789D7 | | LA6 | OC G/G ORA SLOTS 0-19 | | | 3.1.1 |
| -150 | C2 | 42 | DU | 234789D7 | | LA | OC G/A G/G TD ORA SLOTS | | | 3.1.1 |
| -150 | C4 | 42 | DD | 1589 | D7 | CF6 | OC BURST COUNTER SELECT | | | 3.1.2 |
| -150 | C4 | 42 | DE | 78 | B7 | CF6 | OC BURST COUNTER SELECT | | | 3.1.2 |
| -150 | C4 | 42 | EF | 459 | D7 | CF6 | OC G/G BURST COUNTER & COMPARE | | | 3.1.2 |
| -150 | C4 | 42 | EG | 459 | D7 | CF6 | OC G/G BURST COUNTER & COMPARE | | | 3.1.2 |
| -150 | C4 | 42 | EH | 459 | D7 | CF6 | OC G/G BURST COUNTER & COMPARE | | | 3.1.2 |
| -150 | C4 | 42 | EJ | 459 | D7 | CF6 | OC G/G BURST COUNTER & COMPARE | | | 3.1.2 |
| -150 | C4 | 42 | EK | 459 | D7 | CF6 | OC TTY BURST COUNTER & COMPARE | | | 3.1.2 |
| -150 | C4 | 42 | EL | 459 | D7 | CF6 | OC TTY BURST COUNTER & COMPARE | | | 3.1.2 |
| -150 | C4 | 42 | EM | 459 | D7 | CF6 | OC TTY BURST COUNTER & COMPARE | | | 3.1.2 |
| -150 | C4 | 42 | BC | 89 | D7 | CF6 | OC G/G COMPARE | | | 3.1.2 |
| -150 | C4 | 42 | BC | 1-6 | D7 | CF6 | OC SECTION REG | | | 3.1.1 |
| -150 | C4 | 42 | CK | 7 | D7 | CF6 | OC TTY COMPARE | | | 3.1.2 |
| -150 | C4 | 42 | FC | 459 | D7 | CF6 | OC G/A TD BURST CNTR | | | 3.1.2 |
| -150 | C4 | 42 | FD | 459 | D7 | CF6 | OC G/A TD BURST CNTR | | | 3.1.2 |
| -150 | C4 | 42 | FE | 459 | D7 | CF6 | OC G/A TD BURST CNTR | | | 3.1.2 |
| -150 | C4 | 42 | FF | 459 | D7 | CF6 | OC G/A TD BURST CNTR | | | 3.1.2 |
| -150 | C4 | 42 | FH | 1234 | D7 | CF6 | OC G/A FD & TD COMPARE | | | 3.1.2 |
| -150 | C5 | 42 | CL | 2-7 | D7 | CF6 | OC SECTION DECODER | | | 3.1.1 |
| -150 | C5 | 42 | CM | 2-7 | D7 | CF6 | OC SECTION DECODER | | | 3.1.1 |
| -150 | C5 | 42 | GD | 89 | D7 | CF6 | OC ALARM CONTROL | | | 3.1.1-2 |
| -150 | C5 | 42 | GR | 1 | B7 | CF6 | OC LOST PARITY ALARM | | | 3.1.1-2 |
| -150 | C6 | 42 | BD | 1 | B7 | CF6 | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BE | 1 | B7 | CF6 | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BF | 1 | B7 | CF6 | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BG | 1 | B7 | CF6 | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BH | 1 | B7 | CF6 | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BJ | 1 | B7 | CF6 | OC RIGHT DRUM WORD REG | | | 3.1.1-2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-8 | 05/01/60 | LOGIC |
|------|-----|----|----|------------------|------|----------------------------|------|----------|---------|
| -150 | C6 | 42 | BK | 1 | B7 | CF6 OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BL | 1 | B7 | CF6 OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BM | 1 | B7 | CF6 OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BN | 1 | B7 | CF6 OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BP | 1 | B7 | CF6 OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BR | 1 | B7 | CF6 OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BS | 1 | B7 | CF6 OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BT | 1 | B7 | CF6 OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BU | 1 | B7 | CF6 OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | BV | 1 | B7 | CF6 OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | C6 | 42 | CS | 23 | D7 | CF6 OC ADDRESS REG | | | 3.1.1 |
| -150 | C6 | 42 | CT | 23 ²⁶ | D7 | CF6 OC ADDRESS REG | | | 3.1.1 |
| -150 | C6 | 42 | CU | 2356 | D7 | CF6 OC ADDRESS REG | | | 3.1.1 |
| -150 | C6 | 42 | CV | 2356 | D7 | CF6 OC BURST NUMBER REG | | | 3.1.1 |
| -150 | C6 | 42 | CW | 2356 | D7 | CF6 OC BURST NUMBER REG | | | 3.1.1 |
| -150 | C6 | 42 | CX | 2356 | D7 | CF6 OC BURST NUMBER REG | | | 3.1.1 |
| -150 | C6 | 42 | CY | 2356 | D7 | CF6 OC BURST NUMBER REG | | | 3.1.1 |
| | | | | | | | | | |
| -150 | D1 | 33 | KM | 3 | D7 | BFF OS G/G CONTROL | | | 3.2.2 |
| -150 | D1 | 33 | LP | 3 | B7 | BFF OS G/G SEARCH | | | 3.2.2 |
| -150 | D1 | 33 | EJ | 3 | D7 | BFF SHIFT PHASE A6B | | | 3.2.5 |
| | | | | | | | | | |
| -150 | D3 | 42 | AY | 6 | D8 | BFF OC OB REG LOADING | | | 3.1.1-2 |
| -150 | D3 | 42 | DD | 27 | B7 | BFF OC BURST CNTR SELECT | | | 3.1.2 |
| -150 | D3 | 42 | DE | 6 | D7 | BFF OC BURST CNTR SELECT | | | 3.1.2 |
| -150 | D3 | 42 | GL | 7 | D7 | BFF TEST WORD GEN | | | 3.1.4 |
| | | | | | | | | | |
| -150 | D4 | 42 | EF | 68 | D8 | BFF OC G/G BURST COUNTER | | | 3.1.2 |
| -150 | D4 | 42 | EG | 68 | D8 | BFF OC G/G BURST COUNTER | | | 3.1.2 |
| -150 | D4 | 42 | EH | 68 | D8 | BFF OC G/G BURST COUNTER | | | 3.1.2 |
| -150 | D4 | 42 | EJ | 68 | D8 | BFF OC G/G BURST COUNTER | | | 3.1.2 |
| -150 | D4 | 42 | EK | 68 | D8 | BFF OC TTY BURST COUNTER | | | 3.1.2 |
| -150 | D4 | 42 | EL | 68 | D8 | BFF OC TTY BURST COUNTER | | | 3.1.2 |
| -150 | D4 | 42 | EM | 68 | D8 | BFF OC TTY BURST COUNTER | | | 3.1.2 |
| -150 | D4 | 42 | FC | 68 | D8 | BFF OC G/A TD BURST CNTR | | | 3.1.2 |
| -150 | D4 | 42 | FD | 68 | D8 | BFF OC G/A TD BURST CNTR | | | 3.1.2 |
| -150 | D4 | 42 | FE | 68 | D8 | BFF OC G/A TD BURST CNTR | | | 3.1.2 |
| -150 | D4 | 42 | FF | 68 | D8 | BFF OC G/A TD BURST CNTR | | | 3.1.2 |
| | | | | | | | | | |
| -150 | D5 | 42 | AC | 2 | D7 | BFF OC PARITY REG | | | 3.1.1 |
| -150 | D5 | 42 | AD | 2 | D7 | BFF OC SECTION REG | | | 3.1.1 |
| -150 | D5 | 42 | AE | 2 | D7 | BFF OC SECTION REG | | | 3.1.1 |
| -150 | D5 | 42 | AF | 2 | D7 | BFF OC SECTION REG | | | 3.1.1 |
| -150 | D5 | 42 | AG | 2 | D7 | BFF OC ADDRESS REG | | | 3.1.1 |
| -150 | D5 | 42 | AH | 2 | D7 | BFF OC ADDRESS REG | | | 3.1.1 |
| -150 | D5 | 42 | AJ | 2 | D7 | BFF OC ADDRESS REG | | | 3.1.1 |
| -150 | D5 | 42 | AK | 2 | D7 | BFF OC ADDRESS REG | | | 3.1.1 |
| -150 | D5 | 42 | AL | 2 | D7 | BFF OC ADDRESS REG | | | 3.1.1 |
| -150 | D5 | 42 | AM | 2 | D7 | BFF OC BURST NUMBER REG | | | 3.1.1 |
| -150 | D5 | 42 | AN | 2 | D7 | BFF OC BURST NUMBER REG | | | 3.1.1 |
| -150 | D5 | 42 | AP | 2 | D7 | BFF OC BURST NUMBER REG | | | 3.1.1 |
| -150 | D5 | 42 | AR | 2 | D7 | BFF OC BURST NUMBER REG | | | 3.1.1 |
| -150 | D5 | 42 | AS | 2 | D7 | BFF OC BURST NUMBER REG | | | 3.1.1 |
| -150 | D5 | 42 | AT | 2 | D7 | BFF OC BURST NUMBER REG | | | 3.1.1 |
| -150 | D5 | 42 | AU | 2 | D7 | BFF OC BURST NUMBER REG | | | 3.1.1 |
| -150 | D5 | 42 | AV | 2 | D7 | BFF OC BURST NUMBER REG | | | 3.1.1 |
| -150 | D5 | 42 | BD | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BE | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BF | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BG | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BH | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BJ | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BK | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BL | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BM | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BN | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BP | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BR | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BS | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BT | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BU | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| -150 | D5 | 42 | BV | 2 | D7 | BFF OC RIGHT DRUM WORD REG | | | 3.1.1-2 |
| | | | | | | | | | |
| -150 | E1 | 33 | JS | 23 | B7 | SS OS TTY 51 COUNTER | | | 3.2.3 |
| -150 | E1 | 33 | LN | 89 | D7 | SS OS G/G CONTROL | | | 3.2.2 |

MC-8

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-8 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|-------|---------------------------------------|------|----------|---------|
| -150 | E1 | 33 | LV | 67 | D7 | SS OS G/G COMPLETED MSG SHIFT REG | | | 3.2.2 |
| -150 | E1 | 42 | AY | 12 | B7 | SS OC OB REG LOADING | | | 3.1.1-2 |
| -150 | E1 | 33 | GX | 56 | D8 | SS CLEAR TD CMSR | | | 3.2.5 |
| -150 | F1 | 42 | BX | 3 | D7 | ST OC PULSE GEN | | | 3.1.3 |
| -150 | F2 | 33 | LK | 3 | B7 | APG OS RESET FF | | | 3.1.3 |
| -150 | F2 | 42 | EX | 34 | B7 | APG OC RESET FF | | | 3.1.3 |
| -150 | F2 | 42 | EY | 34 | B7 | APG OC CLEAR ALARMS PULSE GEN | | | 3.1.3 |
| -150 | F2 | 42 | ES | 49 | D7 | APG OC MAN ADD REG STEP & STRT CYCLE | | | 3.1.4 |
| -150 | F2 | 42 | GK | 24 | B7D7 | APG OC RESTART TO DRUM SYNC | | | 3.1.1-2 |
| -300 | A1 | 33 | JM | 2 | D8 | CFF OS G/G SYNC GEN | | | 3.2.2 |
| -300 | A1 | 33 | LP | 2 | D8 | CFF OS G/G SHIFT CONTROL | | | 3.2.2 |
| -300 | A1 | 33 | KJ | 237 | D8 | CFF OS TTY SHIFT CNTRL & SEARCH | | | 3.2.3 |
| -300 | A1 | 33 | DE | 37 | D8 | CFF FREQ DIV 2 & 4 | | | 3.2.5 |
| -300 | A1 | 33 | DE | 8 | D8 | CFF OC TD LRI PAUSE | | | 3.1.4 |
| -300 | A1 | 33 | DE | 1 | D8 | CFF G/A TD SEARCH | | | 3.2.5 |
| -300 | A1 | 33 | EF | 157 | B7D78 | CFF 17 CNTR SYNC PRIME & SHIFT | | | 3.2.5 |
| -300 | A1 | 33 | EH | 24 | D8 | CFF SYNC GEN & 15 CNTR PRIME | | | 3.2.5 |
| -300 | A1 | 33 | OS | 16 | B7D8 | CFF AUTO PAR CHECK & BUSY BIT CNTRL | | | 3.2.5 |
| -300 | A1 | 33 | NV | 15 | D8 | CFF OS G/A G/G FD CHAN 1-4 | | | 3.1.4 |
| -300 | A1 | 33 | NX | 1 | B7 | CFF OS LRI LOOP CHAN SEL | | | 3.1.4 |
| -300 | A1 | 33 | NY | 2 | D8 | CFF OC AUTO LOOP INHIBIT | | | 3.1.4 |
| -300 | A2 | 33 | LH | 6 | D8 | CFF OS G/A 25 COUNTER CARRY | | | 3.2.1 |
| -300 | A2 | 33 | MC | 23578 | D8 | CFF OS TTY LINE REG | | | 3.2.3 |
| -300 | A2 | 33 | MF | 23578 | D8 | CFF OS TTY LINE REG | | | 3.2.3 |
| -300 | A2 | 33 | MJ | 23578 | D8 | CFF OS TTY LINE REG | | | 3.2.3 |
| -300 | A2 | 33 | MM | 23578 | D8 | CFF OS TTY LINE REG | | | 3.2.3 |
| -300 | A2 | 33 | MR | 23578 | D8 | CFF OS TTY LINE REG | | | 3.2.3 |
| -300 | A3 | 33 | KC | 23589 | D8 | CFF OS TTY PARITY CHECK | | | 3.2.3 |
| -300 | A3 | 33 | KD | 23589 | D8 | CFF OS TTY PARITY CHECK | | | 3.2.3 |
| -300 | A3 | 33 | KE | 23589 | D8 | CFF OS TTY PARITY CHECK | | | 3.2.3 |
| -300 | A3 | 33 | KF | 23589 | D8 | CFF OS TTY PARITY CHECK | | | 3.2.3 |
| -300 | A3 | 33 | KG | 23589 | D8 | CFF OS TTY PARITY CHECK | | | 3.2.3 |
| -300 | A3 | 33 | LX | 12489 | D8 | CFF OS G/G STORAGE PARITY CHECK | | | 3.2.2 |
| -300 | A3 | 33 | DT | 34 | D8 | CFF PARITY CHECK | | | 3.2.5 |
| -300 | A4 | 33 | LL | 23578 | D8 | CFF OS G/G COMPLETED MSG SHIFT REG | | | 3.2.2 |
| -300 | A4 | 33 | GV | 1378 | D8 | CFF COMPLETED MSG SHIFT REG | | | 3.2.5 |
| -300 | A5 | 33 | LM | 45 | D78 | CFF OC PUL STRETCHER & TEST SHFT CTL | | | 3.1.4 |
| -300 | A5 | 33 | KR | 5 | D8 | CFF OC G/A G/G UNIT TEST CNTRL | | | 3.1.4 |
| -300 | A6 | 33 | HD | 4 | D8 | CFF OS GATED 13 CSR SHIFT & PAUSE | | | 3.1.4 |
| -300 | B1 | 42 | DC | 27 | D8 | CFF OC BURST TIME SEL & RD CTR CTRL | | | 3.1.2 |
| -300 | B1 | 42 | DJ | 7 | D8 | CFF OC MASTER STOP | | | 3.1.4 |
| -300 | B1 | 42 | EU | 2 | D8 | CFF OC FRAME LOOP CONTROL | | | 3.1.3 |
| -300 | B1 | 42 | EU | 4 | D8 | CCF RESET DRUM STATUS | | | 3.1.3 |
| -300 | B1 | 42 | GF | 39 | D78 | CFF OC TEST XFER & TD UNIT TEST CNTRL | | | 3.1.4 |
| -300 | B1 | 42 | GK | 36 | D8 | CFF OC RESTART TO DRUM SYNC | | | 3.1.1-2 |
| -300 | B1 | 42 | GL | 2 | D8 | CFF OC TEST WORD GEN | | | 3.1.4 |
| -300 | B2 | 42 | GC | 2357 | D8 | CFF OC G/A G/G TTY ALARM | | | 3.1.1-2 |
| -300 | B2 | 42 | GD | 467 | D8 | CFF OC ALARM CONTROL | | | 3.1.1-2 |
| -300 | B2 | 42 | GP | 5 | D8 | CFF G/A TD ALARM | | | 3.1.1-2 |
| -300 | B2 | 42 | GR | 2 | D8 | CFF OC LOST PARITY ALARM | | | 3.1.1-2 |
| -300 | B3 | 42 | BY | 67 | D8 | CFF OC PULSE GEN FREQ DIVIDER | | | 3.1.3 |
| -300 | B3 | 42 | EV | 2 | D8 | CFF OC PULSE GEN | | | 3.1.3 |
| -300 | B3 | 42 | EW | 2 | D8 | CFF OC PULSE GEN | | | 3.1.3 |
| -300 | B3 | 42 | EX | 79 | D8 | CFF OC 32 PPS START & STOP | | | 3.1.2 |
| -300 | B3 | 42 | EY | 79 | D8 | CFF OC RESET & PRIME CONTROL | | | 3.1.3 |
| -300 | C1 | 33 | NH | 25 | D8 | CFF G/A TD CONVERSION | | | 3.2.5 |

MC-8

| | V | C-L | FR | PU | TUBES | PINS | TYPE | DESCRIPTION | MC-8 | 09/01/60 | LOGIC |
|------|----|-----|----|----|-------|------|------|----------------------|------|----------|-------|
| -300 | C1 | 33 | NK | 25 | D8 | | CFF | OS G/A CONVERSION | | | 3.2.1 |
| -300 | C1 | 33 | ML | 25 | D8 | | CFF | OS G/A CONVERSION | | | 3.2.1 |
| -300 | C1 | 33 | NP | 25 | D8 | | CFF | OS G/G CONVERSION | | | 3.2.2 |
| -300 | C1 | 33 | NR | 25 | D8 | | CFF | OS G/G CONVERSION | | | 3.2.2 |
| -300 | C1 | 33 | NS | 25 | D8 | | CFF | OS G/G CONVERSION | | | 3.2.2 |
| -300 | C1 | 33 | NT | 25 | D8 | | CFF | OS G/G CONVERSION | | | 3.2.2 |
| -300 | C1 | 33 | NW | 25 | D8 | | CFF | OS G/G CONVERSION | | | 3.2.2 |
| -300 | C1 | 33 | NN | 7 | D8 | | CFF | OS OD-13 PULSE START | | | 3.1.3 |

MC-9

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-9 | 05/01/60 | LOGIC |
|------|-----|----|----|------------|------|-------------------------------------|------|----------|---------|
| 6250 | A | 32 | *J | 58 | B5 | PCF XTEL TIMING & SYNC CONTROL | | | S-2+3+2 |
| 6250 | A | 32 | *J | 68 | B5 | PCF XTEL START READOUT & RESET | | | S-2+3+2 |
| 6250 | A | 41 | *P | 12 | B5 | PCF LRI LAST SHIFT | | | S-2+4+2 |
| 6250 | B | 32 | *E | 2346788505 | | DCR XTEL TIMING SYNC & DATA CONTRLS | | | S-2+3+2 |
| 6250 | B | 34 | *N | 2346788505 | | DCR MAP CNTR DDR CONVERTER | | | S-2+1+2 |
| 6250 | B | 34 | *R | 2346788505 | | DCR MAP CNTR DDR CONVERTER | | | S-2+1+2 |
| 6250 | B | 41 | *D | 2346788505 | | DCR L R I DATA CONVERTER & SYNC | | | S-2+4+2 |
| 6250 | B | 41 | *2 | 2346788505 | | DCR L R I DATA CONVERTER & SYNC | | | S-2+4+2 |
| 6250 | C | 32 | *R | 3-9 | B5 | LA XTEL DATA DISTRIBUTOR | | | S-2+3+2 |
| 6250 | C | 32 | *S | 89 | B5 | LA XTEL DATA DISTRIBUTOR | | | S-2+3+2 |
| 6250 | C | 41 | *E | 89 | B5 | LA LRI BUSY BIT SHIFT | | | S-2+4+2 |
| 6250 | C | 41 | *1 | 89 | B5 | LA LRI BUSY BIT SHIFT | | | S-2+4+2 |
| 6250 | D | 34 | *D | 134 | B505 | FD MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| 6250 | D | 34 | *2 | 13-6 | B505 | FD MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| 6250 | F | 34 | *L | 678 | B5 | PI MAP CNTR CNTR & REG SHIFT DRIVES | | | S-2+1+2 |
| 6250 | F | 34 | *T | 678 | B5 | PI MAP CNTR CNTR & REG SHIFT DRIVES | | | S-2+1+2 |
| 6250 | G | 34 | *F | 9 | B5 | CPG MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| 6250 | G | 34 | *Y | 9 | B5 | CPG MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| 6250 | H | 34 | *D | 4 | G5 | CLA XTEL TIMING AZN PROTECT | | | S-2+1+2 |
| 6250 | H | 34 | *2 | 4 | G5 | CLA XTEL TIMING AZN PROTECT | | | S-2+1+2 |
| 6250 | J | 34 | *C | 3 | B5 | PAD MAP CNTR AZN SIGNAL PROTECT | | | S-2+1+2 |
| 6250 | J | 34 | *3 | 3 | B5 | PAD MAP CNTR AZN SIGNAL PROTECT | | | S-2+1+2 |
| 6250 | J | 34 | *C | 4567 | B5 | POA AZN MOTOR DRIVE | | | 2+1+2 |
| 6250 | J | 34 | *3 | 4567 | B5 | POA AZN MOTOR DRIVE | | | 2+1+2 |
| 6150 | A | 32 | *D | 6 | B505 | CF XTEL TIMING CONTROL | | | S-2+3+2 |
| 6150 | A | 32 | *G | 9 | G5 | CF XTEL FAST SHIFT GEN | | | S-2+3+2 |
| 6150 | A | 32 | *H | 34 | D5 | CF XTEL CORE SHIFT PULSE GEN | | | S-2+3+2 |
| 6150 | A | 32 | *J | 134 | B605 | CF XTEL MAIN STORE SHIFT CONTROL | | | S-2+3+2 |
| 6150 | A | 32 | *K | 1 | B5 | CF XTEL BUFFER STORAGE | | | S-2+3+2 |
| 6150 | A | 32 | *L | 1 | B5 | CF XTEL BUFFER STORAGE | | | S-2+3+2 |
| 6150 | A | 32 | *M | 1 | B5 | CF XTEL BUFFER STORAGE | | | S-2+3+2 |
| 6150 | A | 32 | *N | 1 | B5 | CF XTEL BUFFER STORAGE | | | S-2+3+2 |
| 6150 | A | 32 | *P | 1 | B5 | CF XTEL BUFFER STORAGE | | | S-2+3+2 |
| 6150 | A | 32 | *R | 1 | B6 | CF XTEL TIMING | | | S-2+3+2 |
| 6150 | A | 32 | *S | 1-5 | D5 | CF XTEL 2ND & 3RD WORD PARITY GEN | | | S-2+3+2 |
| 6150 | A | 32 | *S | 7 | D5 | CF XTEL MAIN STORE READOUT CNTRL | | | S-2+3+2 |
| 6150 | A | 32 | *T | 389 | B5 | CF XTEL MAIN STORE READOUT CNTRL | | | S-2+3+2 |
| 6150 | A | 32 | *V | 5 | D5 | CF XTEL PARITY CHECK | | | S-2+3+2 |
| 6150 | A | 34 | *E | 9 | D5 | CF MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| 6150 | A | 34 | *F | 23 | D5 | CF MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| 6150 | A | 34 | *1 | 9 | D5 | CF MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| 6150 | A | 34 | *Y | 23 | D5 | CF MAP CNTR AZN SIGNAL PROTECT | | | S-2+1+2 |
| 6150 | A | 34 | *G | 5 | D5 | CF MAP CNTR NORTH SYNCHRONIZER | | | S-2+1+2 |
| 6150 | A | 34 | *X | 5 | D5 | CF MAP CNTR NORTH SYNCHRONIZER | | | S-2+1+2 |
| 6150 | A | 34 | *N | 1 | G5 | CF MAP CNTR DDR CONVERTER | | | S-2+1+2 |
| 6150 | A | 34 | *R | 1 | G5 | CF MAP CNTR DDR CONVERTER | | | S-2+1+2 |
| 6150 | A | 34 | *L | 4 | D5 | CF MAP CNTR INPUT CNTRL | | | S-2+1+2 |
| 6150 | A | 34 | *T | 4 | D5 | CF MAP CNTR INPUT CNTRL | | | S-2+1+2 |
| 6150 | A | 34 | *P | 1-4 | D5 | CF MAP CNTR DRUM DEMAND | | | S-2+1+2 |
| 6150 | A | 34 | *H | 45 | D6 | AC ANALOGUE COUNTER | | | S-2+1+2 |
| 6150 | A | 34 | *W | 45 | D6 | AC ANALOGUE COUNTER | | | S-2+1+2 |
| 6150 | A | 41 | *F | 46 | D5G5 | CF L R I CL & LOAD CORE BFR | | | S-2+4+2 |
| 6150 | A | 41 | *Y | 46 | D5G5 | CF L R I CL & LOAD CORE BFR | | | S-2+4+2 |
| 6150 | A | 41 | *J | 278 | B505 | CF L R I FAST SHIFT | | | S-2+4+2 |
| 6150 | A | 41 | *V | 278 | B505 | CF L R I FAST SHIFT | | | S-2+4+2 |
| 6150 | A | 41 | *K | 1 | B6 | CF L R I CHANNEL READY | | | S-2+4+2 |
| 6150 | A | 41 | *L | 25 | B5 | CF L R I READOUT CTL | | | S-2+4+2 |
| 6150 | A | 41 | *T | 25 | B5 | CF L R I READOUT CTL | | | S-2+4+2 |
| 6150 | A | 41 | *U | 8 | D5 | CF L R I START WD XFER | | | S-2+4+2 |
| 6150 | A | 41 | *E | 3 | D5 | CF L R I DATA CONVERTER & SYNC | | | S-2+4+2 |
| 6150 | A | 41 | *1 | 3 | D5 | CF L R I DATA CONVERTER & SYNC | | | S-2+4+2 |
| 6150 | A | 41 | *C | 1 | B5 | CF L R I FIRST WD PARITY CHECK | | | S-2+4+2 |
| 6150 | A | 41 | *3 | 1 | B5 | CF L R I FIRST WD PARITY CHECK | | | S-2+4+2 |
| 6150 | A | 41 | *C | 3 | D5 | VRD L R I DRUM DEMAND | | | S-2+4+2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-9 | 09/01/60 | LOGIC |
|------|-----|----|----|-------|-------------|---|------|----------|---------|
| 6150 | A | 41 | *3 | 34 | D5 | VRD L R I DRUM DEMAND | | | S-2.4.2 |
| 6150 | A | 41 | *K | 8 | D5 | CF L R I START WD XFER | | | S-2.4.2 |
| 6150 | A | 41 | *U | 1 | B6 | CF L R I CHANNEL READY | | | S-2.4.2 |
| 6150 | A | CX | J2 | 4 | D5 | J7-B34CF MAP CNSL RADIAL DEFLECTION | | | S-2.1.6 |
| 6150 | A | CX | J4 | 4 | D5 | J7-B34 CF MAP CNSL FILTERED TARGETS | | | S-2.1.2 |
| 6150 | A | 41 | *E | 89 | D5 | LA L R I BUSY BIT SHIFT | | | S-2.4.2 |
| 6150 | A | 41 | *I | 89 | D5 | LA L R I BUSY BIT SHIFT | | | S-2.4.2 |
| 6150 | A | 32 | *C | 7 | G5 | CF CHANNEL READY | | | S-2.3.2 |
| 6150 | A | 32 | *D | 5 | G5 | CF MULTIPLE HEADOUT PROTECT | | | S-2.3.2 |
| 6150 | A | 32 | *D | 78 | G5 | VMD MULTIPLE HEADOUT PROTECT | | | S-2.3.2 |
| 6150 | B | 32 | *K | 236 | D5 | CSD XTEL BUFFER & MAIN STORAGE | | | S-2.3.2 |
| 6150 | B | 32 | *L | 236 | D5 | CSD XTEL BUFFER & MAIN STORAGE | | | S-2.3.2 |
| 6150 | B | 32 | *M | 236 | D5 | CSD XTEL BUFFER & MAIN STORAGE | | | S-2.3.2 |
| 6150 | B | 32 | *N | 236 | D5 | CSD XTEL BUFFER & MAIN STORAGE | | | S-2.3.2 |
| 6150 | B | 32 | *P | 236 | D5 | CSD XTEL BUFFER & MAIN STORAGE | | | S-2.3.2 |
| 6150 | B | 32 | *R | 2 | G5 | CSD XTEL DATA DISTRIBUTION | | | S-2.3.2 |
| 6150 | B | 32 | *G | 36 | B5D5 | CSD XTEL 25 CORE COUNTER | | | S-2.3.2 |
| 6150 | B | 34 | *J | 5-9 | D5 | CSD MAP CNTR INPUT CNTR | | | S-2.1.2 |
| 6150 | B | 34 | *K | 13-9 | D5 | CSD MAP CNTR INPUT CNTR | | | S-2.1.2 |
| 6150 | B | 34 | *U | 13-9 | D5 | CSD MAP CNTR INPUT CNTR | | | S-2.1.2 |
| 6150 | B | 34 | *V | 5-9 | D5 | CSD MAP CNTR INPUT CNTR | | | S-2.1.2 |
| 6150 | B | 41 | *F | 1 | D5 | CSD L R I WD CUME BFR | | | S-2.4.2 |
| 6150 | B | 41 | *G | 125 | D5 | CSD L R I WD CUME BFR | | | S-2.4.2 |
| 6150 | B | 41 | *X | 125 | D5 | CSD L R I WD CUME BFR | | | S-2.4.2 |
| 6150 | B | 41 | *Y | 1 | D5 | CSD L R I WD CUME BFR | | | S-2.4.2 |
| 6150 | B | 41 | *M | 456 | D5 | CSD LRI WORD 1 CORE BUFFER | | | S-2.4.2 |
| 6150 | B | 41 | *N | 346 | D5 | CSD LRI WORD 1 CORE BUFFER | | | S-2.4.2 |
| 6150 | B | 41 | *R | 346 | D5 | CSD LRI WORD 1 CORE BUFFER | | | S-2.4.2 |
| 6150 | B | 41 | *S | 456 | D5 | CSD LRI WORD 1 CORE BUFFER | | | S-2.4.2 |
| 6150 | C | 32 | *R | 3-9 | D5 | LA XTEL DATA DISTRIBUTOR | | | S-2.3.2 |
| 6150 | C | 32 | *S | 89 | G5 | LA XTEL DATA DISTRIBUTOR | | | S-2.3.2 |
| 6150 | C | CX | J3 | 23 | D5-J7-B46 | RMA MAP CNSL AZ PROTECT | | | S-2.1.2 |
| 6150 | D | 34 | *G | 12 | B5 | SS MAP CNTR NORTH SYNCHRONIZER | | | S-2.1.2 |
| 6150 | D | 34 | *X | 12 | B5 | SS MAP CTR NORTH SYNCHRONIZER | | | S-2.1.2 |
| 6150 | D | 34 | *H | 123 | B5D5 | SS MAP CNTR READ OUT REG DRIVE | | | S-2.1.2 |
| 6150 | D | 34 | *W | 123 | B5D5 | SS MAP CNTR READ OUT REG DRIVE | | | S-2.1.2 |
| 6150 | D | 34 | *E | 23 | B5 | SS MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| 6150 | D | 34 | *I | 23 | B5 | SS MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| 6150 | D | CX | J5 | 56 | D5 | J7-B47SS MAP CNSL SWEEP INTENSITY CNTRL | | | S-2.1.6 |
| 6150 | F | 34 | *L | 678 | G5 | PI MAP CNTR CNTR & REG SHIFT DRIVES | | | S-2.1.2 |
| 6150 | F | 34 | *T | 678 | G5 | PI MAP CNTR CNTR & REG SHIFT DRIVES | | | S-2.1.2 |
| 6150 | G | 34 | *2 | 356 | B6D6 | AGC MAP CNTR TRIANGULAR WAVE GEN | | | S-2.1.2 |
| 6150 | G | 34 | *D | 356 | B6D6 | AGC MAP CNTR TRIANGULAR WAVE GEN | | | S-2.1.2 |
| 690 | A | 32 | *C | 58 | G67 | GT XTEL CHAN READY | | | S-2.3.2 |
| 690 | A | 32 | *D | 1 | B6 | GT XTEL TIMING CONTROL | | | S-2.3.2 |
| 690 | A | 32 | *E | 59 | G67 | GT XTEL TIMING CONTROL | | | S-2.3.2 |
| 690 | A | 32 | *F | 1-9 | B56D56G567G | XTEL 25 CORE COUNTER | | | S-2.3.2 |
| 690 | A | 32 | *G | 2 | D6 | GT XTEL 25 CORE COUNTER | | | S-2.3.2 |
| 690 | A | 32 | *H | 1 | B6 | GT XTEL CORE SHIFT PULSE GEN | | | S-2.3.2 |
| 690 | A | 32 | *T | 5 | G5 | GT XTEL MAIN STORE READOUT CNTRL | | | S-2.3.2 |
| 690 | A | 32 | *U | 1-5 | B6D56G56 | GT XTEL PARITY CHECK | | | S-2.3.2 |
| 690 | A | 34 | *E | 456 | D6G56 | GT MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| 690 | A | 34 | *Y | 56 | D6G5 | GT MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| 690 | A | 34 | *I | 456 | D6G56 | GT MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| 690 | A | 34 | *F | 56 | D6G5 | GT MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| 690 | A | 34 | *M | 12 | B56 | GT MAP CNTR INPUT CNTRL | | | S-2.1.2 |
| 690 | A | 34 | *S | 12 | B56 | GT MAP CNTR INPUT CNTRL | | | S-2.1.2 |
| 690 | A | 34 | *N | 5 | D6 | GT MAP CNTR DDR CONVERTER | | | S-2.1.2 |
| 690 | A | 34 | *R | 5 | D6 | GT MAP CNTR DDR CONVERTER | | | S-2.1.2 |
| 690 | A | 34 | *V | 23 | B6D6 | GT MAP CNTR DATA AVAILABLE | | | S-2.1.2 |
| 690 | A | 41 | *E | 1 | B6 | GT L R I PARITY COUNT | | | S-2.4.2 |
| 690 | A | 41 | *E | 4 | D6 | GT L R I FIRST WD PARITY CHECK | | | S-2.4.2 |
| 690 | A | 41 | *E | 56 | G56 | GT L R I DATA CONVERTER & SYNC | | | S-2.4.2 |
| 690 | A | 41 | *E | 7 | G7 | GT LRI DATA CONVERTER & SYNC | | | S-2.4.2 |
| 690 | A | 41 | *I | 1 | B6 | GT L R I PARITY COUNT | | | S-2.4.2 |
| 690 | A | 41 | *I | 4 | D6 | GT L R I FIRST WD PARITY CHECK | | | S-2.4.2 |
| 690 | A | 41 | *I | 7 | G7 | GT LRI DATA CONVERTER & SYNC | | | S-2.4.2 |
| 690 | A | 41 | *I | 56 | G56 | GT L R I DATA CONVERTER & SYNC | | | S-2.4.2 |

MC-9

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-9 | 05/01/60 | LOGIC |
|--------|-----|----|------|-----------|----------------------------|-------------------------------------|------|----------|-----------|
| 690 A | 41 | *H | 12 | B56 | | GT L R I READOUT & MISSING SYNC | | | S-2+4+2 |
| 690 A | 41 | *H | 45 | D56 | | GT L R I SYNC INT PROTECT | | | S-2+4+2 |
| 690 A | 41 | *W | 12 | B56 | | GT L R I READOUT & MISSING SYNC | | | S-2+4+2 |
| 690 A | 41 | *W | 45 | D56 | | GT L R I SYNC INT PROTECT | | | S-2+4+2 |
| 690 A | 41 | *J | 35 | B6D6 | | GT L R I FAST SHIFT | | | S-2+4+2 |
| 690 A | 41 | *K | 57 | G56 | | GT L R I DR DEMAND & FAST SHIFT | | | CTW-2+4+2 |
| 690 A | 41 | *V | 35 | B6D6 | | GT L R I FAST SHIFT | | | S-2+4+2 |
| 690 A | 41 | *L | 167 | B6D6G6 | | GT L R I READOUT CTL | | | S-2+4+2 |
| 690 A | 41 | *L | 9 | G7 | | GT L R I START WD XFER | | | S-2+4+2 |
| 690 A | 41 | *T | 17 | G56 | | GT L R I READOUT CTL | | | S-2+4+2 |
| 690 A | 41 | *T | 9 | G7 | | GT L R I START WD XFER | | | S-2+4+2 |
| 690 A | 41 | *U | 5 | G6 | | GT L R I DR DEMAND & FAST SHIFT | | | CTW-2+4+2 |
| 690 B | 32 | *C | 3 | D5 | | PA XTEL SYNC | | | S-2+3+2 |
| 690 B | 32 | *G | 1 | B6 | | PA XTEL PULSE DISTRIBUTER | | | S-2+3+2 |
| 690 C | 32 | *H | 7-9 | G7 | | GGCFXTEL CORE SHIFT PULSE GEN | | | S-2+3+2 |
| 690 C | 32 | *K | 89 | G7 | | GGCFXTEL MAIN STORAGE | | | S-2+3+2 |
| 690 C | 32 | *L | 89 | G7 | | GGCFXTEL MAIN STORAGE | | | S-2+3+2 |
| 690 C | 32 | *M | 89 | G7 | | GGCFXTEL MAIN STORAGE | | | S-2+3+2 |
| 690 C | 32 | *N | 89 | G7 | | GGCFXTEL MAIN STORAGE | | | S-2+3+2 |
| 690 C | 32 | *P | 89 | G7 | | GGCFXTEL MAIN STORAGE | | | S-2+3+2 |
| 690 C | 41 | *F | 23 | B6 | | GGCFL R I CL CORE BFR | | | S-2+4+2 |
| 690 C | 41 | *Y | 23 | B6 | | GGCFL R I CL CORE BFR | | | S-2+4+2 |
| 690 C | 41 | *M | 12 | B5 | | GGCFLRI WORD 1 CORE BUFFER | | | S-2+4+2 |
| 690 C | 41 | *N | 12 | B6 | | GGCFLRI WORD 1 CORE BUFFER | | | S-2+4+2 |
| 690 C | 41 | *R | 12 | B6 | | GGCFLRI WORD 1 CORE BUFFER | | | S-2+4+2 |
| 690 C | 41 | *S | 12 | B5 | | GGCFLRI WORD 1 CORE BUFFER | | | S-2+4+2 |
| 690 D | 34 | *L | 678 | G67 | | PI MAP CNTR CNTR & REG SHIFT DRIVES | | | -2+1+2 |
| 690 D | 34 | *T | 678 | G67 | | PI MAP CNTR CNTR & REG SHIFT DRIVES | | | -2+1+2 |
| -150 A | 32 | *C | 7 | B7 | | CF6 CHANNEL READY | | | S-2+3+2 |
| -150 A | 32 | *D | 46 | B7D7 | | CF6 XTEL TIMING CONTROL | | | S-2+3+2 |
| -150 A | 32 | *H | 34 | B7 | | CF6 XTEL CORE SHIFT PULSE GEN | | | S-2+3+2 |
| -150 A | 32 | *J | 1 | B7 | | CF6 XTEL MAIN STORE SHIFT CONTROL | | | S-2+3+2 |
| -150 A | 32 | *R | 3-9 | D7 | | LA6 XTEL DATA DISTRIBUTOR | | | S-2+3+2 |
| -150 A | 32 | *S | 89 | D7 | | LA6 XTEL DATA DISTRIBUTOR | | | S-2+3+2 |
| -150 A | 32 | *T | 389 | B7 | | CF6 XTEL MAIN STORE READOUT CNTRL | | | S-2+3+2 |
| -150 A | 34 | *E | 9 | D7 | | CF6 MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| -150 A | 34 | *I | 9 | D7 | | CF6 MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| -150 A | 41 | *J | 278 | B7 | | CF6 L R I FAST SHIFT | | | S-2+4+2 |
| -150 A | 41 | *V | 278 | B7 | | CF6 L R I FAST SHIFT | | | S-2+4+2 |
| -150 A | 41 | *L | 25 | B5 | | CF6 L R I READOUT CTL | | | S-2+4+2 |
| -150 A | 41 | *T | 25 | B5 | | CF6 L R I READOUT CTL | | | S-2+4+2 |
| -150 A | 41 | *K | 8 | D7 | | CF6 L R I CHANNEL READY | | | S-2+4+2 |
| -150 A | 41 | *U | 8 | D7 | | CF6 L R I CHANNEL READY | | | S-2+4+2 |
| -150 A | 41 | *P | 12 | D7 | | PCF LRI LAST SHIFT | | | S-2+4+2 |
| -150 B | 41 | *D | 678 | B7 | | DCR L R I DATA CONVERTER & SYNC | | | S-2+4+2 |
| -150 B | 41 | *Z | 678 | B7 | | DCR L R I DATA CONVERTER & SYNC | | | S-2+4+2 |
| -150 B | 34 | *N | 234 | D7 | | DCR MAP CNTR UDR CONVERTER | | | S-2+1+2 |
| -150 B | 34 | *R | 234 | D7 | | DCR MAP CNTR DDR CONVERTER | | | S-2+1+2 |
| -150 C | 32 | *T | 1267 | D7 | | AFF XTEL MAIN STORE READOUT CNTRL | | | S-2+3+2 |
| -150 D | 34 | *E | 23 | B7 | | SS MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| -150 D | 34 | *I | 23 | B7 | | SS MAP CNTR AZ N SIGNAL PROTECT | | | S-2+1+2 |
| -150 D | 34 | *G | 12 | B7 | | SS MAP CNTR NORTH SYNCHRONIZER | | | S-2+1+2 |
| -150 D | 34 | *X | 12 | B7 | | SS MAP CNTR NORTH SYNCHRONIZER | | | S-2+1+2 |
| -150 D | 34 | *H | 123 | B7 | | SS MAP CNTR READ OUT REG DRIVE | | | S-2+1+2 |
| -150 D | 34 | *W | 123 | B7 | | SS MAP CNTR READ OUT REG DRIVE | | | S-2+1+2 |
| -150 D | 34 | *P | 1-4 | D7 | | SS MAP CNTR DRUM DEMAND | | | S-2+1+2 |
| -150 D | CX | J5 | 56 | D7 | J7-B77SS | MAP CNSL SWEEP INTENSITY CNTRL | | | S-2+1+6 |
| -150 E | CX | J4 | 12 | B7-J7-B78 | FOA MAP CNSL TARGET PT AMP | | | | S-2+1+2 |
| -300 A | 32 | *C | 6 | D8 | | CFF CHANNEL READY | | | S-2+3+2 |
| -300 A | 32 | *C | 9 | D8 | | CFF XTEL CHAN READY | | | S-2+3+2 |
| -300 A | 32 | *D | 3 | D8 | | CFF XTEL TIMING CONTROL | | | S-2+3+2 |
| -300 A | 32 | *E | 1 | D8 | | CFF XTEL TIMING CONTROL | | | S-2+3+2 |

| V | C-L | FR | PU | TUBES | PINS | TYPE DESCRIPTION | MC-9 | 05/01/60 | LOGIC |
|------|-----|----|----|-------|------|--------------------------------------|------|----------|---------|
| -300 | A' | 32 | *G | 8 | D8 | CFF XTEL FAST SHIFT GEN | | | S-2.3.2 |
| -300 | A | 32 | *H | 2 | D8 | CFF XTEL CORE SHIFT PULSE GEN | | | S-2.3.2 |
| -300 | A | 32 | *J | 2 | D8 | CFF XTEL MAIN STORE SHIFT CONTROL | | | S-2.3.2 |
| -300 | A | 32 | *U | 68 | D8 | CFF XTEL PARITY CHECK | | | S-2.3.2 |
| -300 | A | 32 | *V | 23689 | D8 | CFF XTEL PARITY CHECK | | | S-2.3.2 |
| -300 | A | 32 | *W | 68 | D8 | CFF XTELL ADR CK & RD OUT PROTECT | | | S-2.3.2 |
| -300 | A | 32 | *X | 3 | D8 | CFF SYNC PERIOD PARITY PROTECT | | | S-2.3.2 |
| -300 | A | 34 | *C | 1 | D8 | CFF MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| -300 | A | 34 | *E | 18 | D8 | CFF MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| -300 | A | 34 | *F | 148 | D8 | CFF MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| -300 | A | 34 | *Y | 148 | D8 | CFF MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| -300 | A | 34 | *1 | 18 | D8 | CFF MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| -300 | A | 34 | *3 | 1 | D8 | CFF MAP CNTR AZ N SIGNAL PROTECT | | | S-2.1.2 |
| -300 | A | 34 | *H | | D78 | CFF MAP CNSL SOURCE FOR 34*L CFF | | | S-2.1.2 |
| -300 | A | 34 | *W | | D78 | CFF MAP CNSL SOURCE FOR 34*T CFF | | | S-2.1.2 |
| -300 | A | 34 | *L | 23 | D78 | CFF MAP CNTR INPUT DRUM DEMAND CNTRW | | | S-2.1.2 |
| -300 | A | 34 | *T | 23 | D78 | CFF MAP CNTR INPUT DRUM DEMAND CNTRW | | | S-2.1.2 |
| -300 | A | 34 | *M | 349 | D8 | CFF MAP CNTR INPUT CNTRL | | | S-2.1.2 |
| -300 | A | 34 | *S | 349 | D8 | CFF MAP CNTR INPUT CNTRL | | | S-2.1.2 |
| -300 | A | 34 | *N | 9 | D8 | CFF MAP CNTR DDR CONVERTER | | | S-2.1.2 |
| -300 | A | 34 | *R | 9 | D8 | CFF MAP CNTR DDR CONVERTER | | | S-2.1.2 |
| -300 | A | 41 | *D | 1 | D8 | CFF L R I DATA CONVERTER & SYNC | | | S-2.4.2 |
| -300 | A | 41 | *E | 2 | D8 | CFF L R I DATA CONVERTER & SYNC | | | S-2.4.2 |
| -300 | A | 41 | *1 | 2 | D8 | CFF L R I DATA CONVERTER & SYNC | | | S-2.4.2 |
| -300 | A | 41 | *2 | 1 | D8 | CFF L R I DATA CONVERTER & SYNC | | | S-2.4.2 |
| -300 | A | 41 | *F | 57 | D78 | CFF L R I LOAD DATA & CL CORE BFR | | | S-2.4.2 |
| -300 | A | 41 | *Y | 57 | D78 | CFF L R I LOAD DATA & CL CORE BFR | | | S-2.4.2 |
| -300 | A | 41 | *H | 369 | D8 | CFF L R I PARITY & SYNC INT PROTECTS | | | S-2.4.2 |
| -300 | A | 41 | *W | 369 | D8 | CFF L R I PARITY & SYNC INT PROTECTS | | | S-2.4.2 |
| -300 | A | 41 | *J | 1 | D7 | CFF L R I SYNC INT PROTECT 1 | | | S-2.4.2 |
| -300 | A | 41 | *J | 49 | D78 | CFF L R I FAST SHIFT | | | S-2.4.2 |
| -300 | A | 41 | *V | 1 | D7 | CFF L R I SYNC INT PROTECT 1 | | | S-2.4.2 |
| -300 | A | 41 | *V | 49 | D78 | CFF L R I FAST SHIFT | | | S-2.4.2 |
| -300 | A | 41 | *K | 4 | D8 | CFF L R I CHANNEL READY | | | S-2.4.2 |
| -300 | A | 41 | *K | 9 | D8 | CFF L R I START WD XFER | | | S-2.4.2 |
| -300 | A | 41 | *U | 4 | D8 | CFF L R I CHANNEL READY | | | S-2.4.2 |
| -300 | A | 41 | *U | 9 | D8 | CFF L R I START WD XFER | | | S-2.4.2 |
| -300 | A | 41 | *L | 34 | D8 | CFF L R I READOUT CTL | | | S-2.4.2 |
| -300 | A | 41 | *T | 34 | D8 | CFF L R I READOUT CTL | | | S-2.4.2 |
| -300 | A | 41 | *C | 2 | D8 | CFF L R I FIRST WD PARITY CHECK | | | S-2.4.2 |
| -300 | A | 41 | *3 | 2 | D8 | CFF L R I FIRST WD PARITY CHECK | | | S-2.4.2 |
| -300 | A | 34 | *L | 5 | D8 | CFF MAP CNTR SHIFT DRIVE CNTRL | | | S-2.1.2 |
| -300 | A | 34 | *T | 5 | D8 | CFF MAP CNTR SHIFT DRIVE CNTRL | | | S-2.1.2 |

SAFE LIMIT VALUES

MC-1

| | +250 | | +150 | | +90 | | -150 | | -300 | |
|---|------|-----|------|-----|-----|-----|------|-----|------|-----|
| | + | - | + | - | + | - | + | - | + | - |
| A | 100 | * | 0 | 100 | ** | 100 | 100 | 100 | 0 | 100 |
| B | 100 | * | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| C | 0 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 0 | 100 |
| D | 100 | * | 0 | 100 | 75 | 100 | 100 | 100 | 0 | 100 |
| E | 100 | * | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| F | 0 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 0 | 100 |

* Lines 1 thru 4 are -50v, Lines 5 & 6 are -100v.

**Lines 1 thru 4 are +75v, Lines 5 & 6 are +100v.

MC-2

| | +250 | | +150 | | +90 | | -150 | | -300 | |
|---|------|-----|------|-----|-----|-----|------|-----|------|-----|
| | + | - | + | - | + | - | + | - | + | - |
| A | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| B | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| C | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| D | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| E | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| F | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |

MC-3

| | +250 | | +150 | | +90 | | -150 | | -300 | |
|---|------|-----|------|-----|-----|-----|------|-----|------|-----|
| | + | - | + | - | + | - | + | - | + | - |
| A | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| B | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| C | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| D | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| E | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| F | 50 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |

SAFE LIMIT VALUES

MC-4

| | +250 | | +150 | | +90 | | -150 | | -300 | |
|---|------|-----|------|-----|-----|-----|------|-----|------|-----|
| | + | - | + | - | + | - | + | - | + | - |
| A | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| B | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| C | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| D | 100 | 100 | 0 | 100 | 25 | 100 | 75 | 100 | 100 | 100 |
| E | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| F | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |

MC-5

| | +250 | | +150 | | +90 | | -150 | | -300 | |
|---|------|-----|------|-----|-----|-----|------|-----|------|-----|
| | + | - | + | - | + | - | + | - | + | - |
| A | 0 | 100 | 0 | 100 | 25 | 100 | 75 | 100 | 75 | 75 |
| B | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 0 |
| C | 100 | 100 | 75 | 100 | 25 | 100 | 75 | 100 | 75 | 75 |
| D | 100 | 100 | 0 | 100 | 25 | 100 | * | 0 | 100 | 100 |
| E | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| F | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |

* Lines 1 thru 4 are +75, lines 5 & 6 are +100

MC-6

| | +250 | | +150 | | +90 | | -150 | | -300 | |
|---|------|-----|------|-----|-----|-----|------|-----|------|-----|
| | + | - | + | - | + | - | + | - | + | - |
| A | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| B | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| C | 0 | 50 | 0 | 100 | 25 | 100 | 50 | 0 | 100 | 100 |
| D | 0 | 100 | 0 | 100 | 25 | 100 | 75 | 100 | 100 | 0 |
| E | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 25 |
| F | 0 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |

SAFE LIMIT VALUES

MC-7

| | +250 | | +150 | | +90 | | -150 | | -300 | |
|---|------|-----|------|-----|-----|-----|------|-----|------|-----|
| | + | - | + | - | + | - | + | - | + | - |
| A | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| B | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| C | 100 | 100 | 0 | 100 | 25 | 100 | 75 | 100 | 100 | 100 |
| D | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| E | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| F | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |

MC-8

| | +250 | | +150 | | +90 | | -150 | | -300 | |
|---|------|-----|------|-----|-----|-----|------|-----|------|-----|
| | + | - | + | - | + | - | + | - | + | - |
| A | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| B | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| C | 0 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| D | 100 | 100 | 0 | 100 | 25 | 100 | 75 | 100 | 100 | 100 |
| E | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| F | 100 | 100 | 0 | 100 | 50 | 100 | 100 | 100 | 100 | 100 |

MC-9

| | +250 | | +150 | | +90 | | -150 | | -300 | |
|---|------|-----|------|-----|-----|-----|------|-----|------|-----|
| | + | - | + | - | + | - | + | - | + | - |
| A | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| B | 0 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 0 |
| C | 100 | 100 | 0 | 100 | 0 | 100 | 100 | 100 | 100 | 100 |
| D | 0 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| E | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 0 | 100 | 100 |
| F | 25 | 100 | 75 | 100 | 25 | 100 | 75 | 100 | 100 | 100 |
| G | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| H | 100 | 100 | 75 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| J | 0 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| K | 100 | 100 | 75 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| L | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |
| M | 100 | 100 | 0 | 100 | 25 | 100 | 100 | 100 | 100 | 100 |

Warning Lights

PART 6

SECTION 1

LIST OF WARNING LIGHT STORAGE REGISTERS

**WARNING LIGHT STORAGE REGISTERS
FOR PU LOCATIONS SEE CHART II
ON THE APPLICABLE LOGIC PAGE**

| <u>REGISTER</u> | <u>LOGIC</u> |
|----------------------|----------------|
| WL STORAGE | |
| L8-L3 | 6.2.1 |
| L4-L7 _____ | 6.2.1-2 |
| L8-L11 | 6.2.1-3 |
| L12-L15 | 6.2.1-4 |
| R8-R3 _____ | 6.2.1-5 |
| R4-R7 | 6.2.1-6 |
| R8-R11 | 6.2.1-7 |
| R12-R15 _____ | 6.2.1-8 |

PART 6

SECTION 2

**PU LAYOUT & LOGIC LAYOUT AND
RELAY LAYOUT UNIT 30 MOD. A**

**WARNING LIGHTS
UNIT 30
P.U. LAYOUT**

| | A | B | C | D | E |
|---|---|-------|-------|-------|-------|
| C | | 7691 | 7691 | 7691 | 7692 |
| D | | ↑ | ↑ | ↑ | ↑ |
| E | | | | | |
| F | | | | | |
| G | | | | | |
| H | | | | | |
| J | | | | | |
| K | | | | | |
| L | | | | | |
| M | | | | | |
| N | | | | | |
| P | | | | | |
| R | | | | | |
| S | | | | | |
| T | | ↓ | ↓ | ↓ | ↓ |
| U | | 7691 | 7691 | 7691 | 7692 |
| V | | 7241 | 7241 | 7241 | 7241 |
| W | | SPARE | SPARE | SPARE | 7242 |
| X | | SPARE | SPARE | SPARE | SPARE |
| Y | | SPARE | SPARE | SPARE | SPARE |

**WARNING LIGHTS
UNIT 30
LOGIC LAYOUT**

| | A | B | C | D | E |
|---|--------|---|--------------------|--------------------|---------|
| C | ↑ | S - 3 4 - 7 8 - 11 12 - 15 ← WORD 1 LHW 6.2.1 6.2.1-2 | | 6.2.1-3 | 6.2.1-4 |
| D | | ← WORD 1 RHW 6.2.1-5 6.2.1-6 | | 6.2.1-7 | 6.2.1-8 |
| E | | ← WORD 2 LHW 6.2.1 6.2.1-2 | | 6.2.1-3 | 6.2.1-4 |
| F | | ← WORD 2 RHW 6.2.1-5 6.2.1-6 | | 6.2.1-7 | 6.2.1-8 |
| G | | ← WORD 3 LHW 6.2.1 6.2.1-2 | | 6.2.1-3 | 6.2.1-4 |
| H | | ← WORD 3 RHW 6.2.1-5 6.2.1-6 | | 6.2.1-7 | 6.2.1-8 |
| J | | ← WORD 4 LHW 6.2.1 6.2.1-2 | | 6.2.1-3 | 6.2.1-4 |
| K | | ← WORD 4 RHW 6.2.1-5 6.2.1-6 | | 6.2.1-7 | 6.2.1-8 |
| L | | ← WORD 5 LHW 6.2.1 6.2.1-2 | | 6.2.1-3 | 6.2.1-4 |
| M | RELAYS | ← WORD 5 RHW 6.2.1-5 6.2.1-6 | | 6.2.1-7 | 6.2.1-8 |
| N | | ← WORD 6 LHW 6.2.1 6.2.1-2 | | 6.2.1-3 | 6.2.1-4 |
| P | | ← WORD 6 RHW 6.2.1-5 6.2.1-6 | | 6.2.1-7 | 6.2.1-8 |
| R | | ← WORD 7 LHW 6.2.1 6.2.1-2 | | 6.2.1-3 | 6.2.1-4 |
| S | | ← WORD 7 RHW 6.2.1-5 6.2.1-6 | | 6.2.1-7 | 6.2.1-8 |
| T | | ← WORD 8 LHW 6.2.1 6.2.1-2 | | 6.2.1-3 | 6.2.1-4 |
| U | | ← WORD 8 RHW 6.2.1-5 6.2.1-6 | | 6.2.1-7 | 6.2.1-8 |
| V | | 6.2.1 6.2.1-2 6.2.1-5 6.2.1-6 | 6.2.1-3 6.2.1-7 | 6.2.1-4 6.2.1-8 | |
| W | | SPARE | SPARE | SPARE | 6.2.1-8 |
| X | | SPARE | SPARE | SPARE | SPARE |
| Y | ↓ | SPARE | SPARE | SPARE | SPARE |

WARNING LIGHTS

UNIT 30

MODULE A

RELAY LAYOUT AND FUNCTIONS

| | Col | | | | | | | | | | | | | | | | | | |
|--------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | R1 | R0 | L9 | L8 | L9 | L7 | L6 | L5 | L4 | L3 | L2 | L1 | L1 | L1 | L1 | L1 | L1 | L1 | L1 |
| WORD 1 | SP | SP | L9 | L8 | L9 | L7 | L6 | L5 | L4 | L3 | L2 | L1 | L1 | L1 | L1 | L1 | L1 | L1 | L1 |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

| | SP | SP | R3 | R2 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| WORD 1 | SP | SP | R3 | R2 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 | R1 |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

| | SP | R15 | R14 | R13 | R12 | R11 | R10 | R9 | R9 | R9 | R8 | R8 | R8 | R7 | R6 | R5 | R5 | R5 | R4 |
|--------|----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| WORD 1 | SP | R15 | R14 | R13 | R12 | R11 | R10 | R9 | R9 | R9 | R8 | R8 | R8 | R7 | R6 | R5 | R5 | R5 | R4 |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

*Audible Alarm lines also sent thru for these bits

Relays are called out in Logic in the following manner -

| | | | |
|------|-----|-----|--------|
| 30 | A | A | 1 |
| Unit | Mod | Row | Column |

**WARNING LIGHT PATCH PANEL
UNIT 91**

| | | | |
|---------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| PANEL A S6.3.1 | PANEL B S6.3.1-2 | PANEL C S6.3.1-3 | PANEL D S6.3.1-4 |
| PANEL E * | PANEL F * | PANEL G * | PANEL H * |

*** Shown in Various Parts of Logic S6.3.1
Through S6.3.1-4**

Duplex and Simplex Maintenance Console Switches

PART 7

DUPLEX MAINTENANCE SWITCHES

The following alphabetical duplex maintenance console switch is taken from logic 7.0.2. Many of the switches shown on logics 7.1.7 through 7.1.18 are shown elsewhere in the logic in phantom. The logic page where the switch is shown completely indicates the other pages in logic where it is shown in phantom.

-A-

| | COMPONENT NO. | LOGIC NO. |
|-------------------------------|---------------|-----------|
| AC Breaker | 1H3(CB-1) | 7.1.7 |
| AC Only | 1H3(S4)1 | 5.4.2.1 |
| Addressable Drum Parity Alarm | 1G3(S8)2 | 7.1.12 |
| Alarm-1 Active | 1G3(S5)1 | 7.1.12 |
| Amplidyne Sensitrol Reset | 1H3(S16)1 | 5.5.9.1 |
| Amplidyne Start | 1H3(S7)1&2 | 5.5.1.1 |
| Amplidyne Stop | 1H3(S6)1&2 | 5.5.1.1 |
| AXD Op Comp Test | 1E3(S14)1&3 | 1-2.3.1 |
| AXD Op Manual Test | 1E3(S14)2&4 | 1-2.3.1 |
| AXD Drum Select | 1E3(S13)AB | 1-2.3.3 |

-B-

| | | |
|---------------------|----------------|-------|
| Bit Storage Control | 1B2(S1-128)1&2 | 4.5.1 |
|---------------------|----------------|-------|

-C-

| | | |
|-----------------------|--------------------|---------|
| Circuit Grp Sel A | 1H3(S13)2&4 | 5.5.3.4 |
| Circuit Grp Sel B | 1H3(S13)1&3 | 5.5.3.4 |
| Circuit Grp Sel C | 1H3(S12)2&4 | 5.5.3.4 |
| Circuit Grp Sel D | 1H3(S12)1&3 | 5.5.3.4 |
| Circuit Grp Sel E | 1H3(S11)2&4 | 5.5.3.4 |
| Circuit Grp Sel F | 1H3(S11)1&3 | 5.5.3.4 |
| Clear Alarms | 1G3(S31)1 | 7.1.8 |
| Clear Alarms LRI | 1D3(S28)1 | 2.4.6 |
| Clear Alarms XTL | 1D3(S27)1 | 2.3.5 |
| Clear Memory | 1G3(S30)1&2 | 7.1.9 |
| Complement | 1G3(S38)1&2 | 7.1.8 |
| Complement Control | 1G3(S13)2&4 | 7.1.11 |
| Core Mem Assign | 1G3(S22)1 | 7.1.13 |
| Cyclic Prog Control | 1G3(S13)1-3 | 7.1.11 |
| Cyclic Prog Counter | 1G3(S10-12)A, B, C | 7.1.11 |
| Computer-Test Operate | 1G3(S-9)2&4 | 7.1.7 |

-D-

| | | |
|------------------------------|--------------|---------|
| Deselect AXD | 1E3(S11)2 | 1-2.2.3 |
| Deselect Drum | 1E3(S5)1-2 | 1.1.1 |
| Deselect Tapes | 1C3(S7)1 | 0.8.1 |
| DD Test Operate | 1B2(S130)1&3 | 4.5.1-2 |
| Disp DD Continue | 1B2(S131)2 | 4.5.1-2 |
| Disp RD Dim / Disp RD Bright | 1B2(S132)1 | 4.5.1-2 |
| Drums Op-Comp Test | 1E3(S2)1&3 | 1.7.1 |
| Drums Op-Manual Test | 1E3(S2)2&4 | 1.7.1 |
| Drums-Normal/Status | 1G3(S4)1 | 1.2.1 |
| Drum Select | 1E3(S1)A, B | 1.7.3 |

-E-

| | | |
|------------------------------|------------|---------|
| Equipment GRP Selection | 1H3(S9)1-8 | 5.5.3.3 |
| Erase and Timing Write | 1E3(S4)1 | 1.7.3 |
| Erase and Timing Write (AXD) | 1E3(S10)1 | 1-2.3.3 |
| Excursion Control Calculator | 1H3(S20)3 | 5.5.5.1 |
| Excursion Control Manual | 1H3(S20)1 | 5.5.5.1 |

DUPLEX MAINTENANCE SWITCHES (cont'd)

| -I- | | |
|------------------------------------|---------------|-----------|
| | COMPONENT NO. | LOGIC NO. |
| IC Loop Test/IC Normal | 1G3(S8)2&4 | 1.7.1 |
| Inactivity Alarm | 1G3(S4)2 | 7.1.12 |
| Instruction Step | 1G3(41)1&2 | 7.1.8 |
| -L- | | |
| Line Selector #1 | 1H3(23)2&4 | 5.5.3.1 |
| Line Selector #2 | 1H3(23)1&3 | 5.5.3.1 |
| Line Selector #3 | 1H3(22)2&4 | 5.5.3.1 |
| Line Selector #4 | 1H3(22)1&3 | 5.5.3.1 |
| Line Selector #5 | 1H3(21)2&4 | 5.5.3.1 |
| Line Selector #6 | 1H3(21)1&3 | 5.5.3.1 |
| Load From AM Drums | 1G3(S27)1&2 | 7.1.10 |
| Load From Card Rdr | 1G3(S26)1&2 | 7.1.10 |
| -M- | | |
| MC Test Control | 1H3(S17)1-3 | 5.5.6.1 |
| Marginal Check Display Generator | 1H3(S16)2 | 4.1.23-2 |
| Master Reset | 1G3(S28)1&2 | 7.1.9 |
| Memory Cycle | 1G3(S40)1&2 | 7.1.8 |
| Memory Parity Alarm | 1G3(S7)1 | 7.1.12 |
| Mode Select | 1H3(S20)1-4 | 5.5.5.1 |
| MDI Core Matrix Readout Test | 1C3(S9)2 | 2.2.2. |
| -N- | | |
| N.C. to Drums | 1D3(S9)1 | 3.1.1-3 |
| -O- | | |
| O'Flow Alarm | 1G3(S5)2 | 7.1.12 |
| -P- | | |
| Power OFF | 1H3(S5)1 | 5.4.2.1 |
| Power ON | 1H3(S3)1 | 5.4.2.1 |
| Program Continue | 1G3(S24)1&2 | 7.1.8 |
| Program Stop | 1G3(S23)1 | 7.1.8 |
| -R- | | |
| RD-TD Control | 1B2(S132)2 | 4.5.1-2 |
| Ready IO Units | 1G3(S33)1 | 7.1.13 |
| Reset Aud Alarm | 1G3(S32)1&2 | 7.1.14 |
| Reset Axd Alarms | 1E3(S12)1-2 | 1-2.3.1 |
| Reset Drum Alarms | 1E3(S6)2 | 1.2.3 |
| Reset Flip-Flops | 1G3(S29)1-2 | 7.1.9 |
| Reset Output Alarms | 1D3(S6)1 | 3.1.3 |
| Reset Output FF's | 1D3(S7)1 | 3.1.3 |
| -S- | | |
| Select G/A (G/A Looped to LRI) | 1D3(S2)1-2 | 3.2.1 |
| Select G/G (G/G Looped to GFI) | 1D3(S4)1-2 | 3.2.2 |
| Sel G/G Output (G/G Looped to XTL) | 1D3(S5)1-5 | 3.2.2 |

DUPLEX MAINTENANCE SWITCHES (cont'd)

-S-

| | COMPONENT NO. | LOGIC NO. |
|--------------------------------|----------------------|------------------|
| Select Test Memory | 1G3(S34)1&2 | 7.1.9 |
| Select TTY | 1D3(S3)ABC | 3.1.4 |
| Sense Sw. #1 | 1G3(S15)2 | 7.1.12 |
| Sense Sw. #2 | 1G3(S15)1 | 7.1.12 |
| Sense Sw. #3 | 1G3(S14)2 | 7.1.12 |
| Sense Sw. #4 | 1G3(S14)1 | 7.1.12 |
| Service Opposite Duplex Switch | 1G3(S21)1, 2&3 | 7.1.15 |
| Single Pulse | 1G3(S39)1&2 | 7.1.8 |
| SD Test/Operate | 1B2(S130)2&4 | 4.5.1-2 |
| Speaker Select | 1J3(S1) | 7.1.16 |
| Standby Output | 1D3(S10)1 | 3.1.4 |
| Start Camera Mode 1 | 1G3(S18)1 | 4.6.1 |
| Start Camera Mode 2 | 1G3(S17)1 | 4.6.1 |
| Start Excursion | 1H3(S19)1 | 5.5.1.1 |
| Start From Test Memory | 1G3(S25)1&2 | 7.1.10 |
| Start Tester | 1B2(S129)1&2 | 4.5.1 |
| Stop/Branch | 1G3(S7)2 | 7.1.12 |
| Stop Excursion | 1H3(S18)1 | 5.5.1.1 |
| Stop To Drums | 1D3(S9)12 | 3.2.2 |
| Stop MDI Demand | 1C3(S-8)1 | 2.2.1 |
| Suppress Camera Index | 1G3(S22)2 | 4.6.1 |

-T-

| | | |
|-------------------------------|----------------|---------|
| Tape Parity Alarm | 1G3(S6)1 | 7.1.12 |
| Test DD-1 - DD2 | 1B2(S131)1 | 4.5.1-2 |
| Test Operate (Outputs) | 1D3(S10)2&4 | 3.1.4 |
| Test Memory | 1G3(S9)1&3 | 7.1.17 |
| Test Memory Toggle Sw's Reg A | 1F3(S17-32)1&2 | 7.1.17 |
| Test Memory Toggle Sw's Reg B | 1F3(S33-48)1&2 | 7.1.17 |
| Test MDI Reg. | 1C3(S8)2 | 2.2.1 |

-U-

| | | |
|----------|-------------|---------|
| Unit OFF | 1H3(S1-52)1 | 5.4.2.2 |
|----------|-------------|---------|

-V-

| | | |
|------------------|------------|---------|
| Voltage Selector | 1H3(S8)1&5 | 5.5.3.2 |
| Voltmeter Scale | 1H3(S10)1 | 5.5.9.1 |

-W-

| | | |
|---------------------------|----------|---------|
| Write and Erase Interlock | 1E3(S15) | 1-2.3.1 |
|---------------------------|----------|---------|

SIMPLEX MAINTENANCE CONSOLE SWITCHES

The following alphabetical Simplex Maintenance Console Switch index is taken from logics 5.0.11.1 and 5.0.11.2. Not listed are the GFI, LRI, and XTEL panel switches which may be seen on logics 5.0.11.3 through 5.0.11.14.

-A-

| | COMPONENT NO. | LOGIC NO. |
|---------|---------------|-----------|
| AC Only | 47B3(S3) | 5.4.2.1 |

-C-

| | | |
|--------------------------|------------|-----------|
| Circuit Group Selector A | 47J3(S17)2 | 8-5.5.3.1 |
| Circuit Group Selector B | 47J3(S17)1 | 8-5.5.3.1 |
| Circuit Group Selector C | 47J3(S16)2 | 8-5.5.3.1 |
| Circuit Group Selector D | 47J3(S16)1 | 8-5.5.3.1 |
| Circuit Group Selector E | 47J3(S15)2 | 8-5.5.3.1 |
| Circuit Group Selector F | 47J3(S15)1 | 8-5.5.3.1 |
| Circuit Group Selector G | 47J3(S23)2 | 8-5.5.3.1 |
| Circuit Group Selector H | 47J3(S23)1 | 8-5.5.3.1 |
| Circuit Group Selector J | 47J3(S22)2 | 8-5.5.3.1 |
| Circuit Group Selector K | 47J3(S22)1 | 8-5.5.3.1 |
| Circuit Group Selector L | 47J3(S21)2 | 8-5.5.3.1 |
| Circuit Group Selector M | 47J3(S21)1 | 8-5.5.3.1 |

-M-

| | | |
|--------------------------|------------|-----------|
| Manual Excursion Pot. | 47J3(R1) | 8-5.5.8.1 |
| Mode Select - Calculator | 47J3(S20)3 | 8-5.5.5.1 |
| Mode Select - Manual | 47J3(S20)1 | 8-5.5.5.1 |

-P-

| | | |
|-----------|----------|---------|
| Power Off | 47B3(S2) | 5.4.2.1 |
| Power On | 47B3(S1) | 5.4.2.1 |

-R-

| | | |
|---------------------------|------------|-----------|
| Reset Amplidyne Sensitrol | 47J3(S13)1 | 8-5.5.9.1 |
| Reset Audible Alarm | 47B3(S4) | 5.4.11.1 |

-S-

| | | |
|--------------------------|-----------|---------------------------|
| Service Opposite Simplex | 47B3(S6) | CD-5.4.9.1 CD-5.4.10.1 |
| Start Amplidyne | 47J3(S7) | 8-5.5.1.1 |
| Start Excursion | 47J3(S19) | 8-5.5.1.1 |
| Stop Amplidyne | 47J3(S6) | 8-5.5.1.1 |
| Stop Excursion | 47J3(S18) | 8-5.5.1.1 |

-V-

| | | |
|-----------------------------|-----------|-----------|
| Voltage Group Selector+250V | 47J3(S8)1 | 8-5.5.3.2 |
| Voltage Group Selector+150V | 47J3(S8)2 | 8-5.5.3.2 |
| Voltage Group Selector+90V | 47J3(S8)3 | 8-5.5.3.2 |
| Voltage Group Selector-150V | 47J3(S8)4 | 8-5.5.3.2 |
| Voltage Group Selector-300V | 47J3(S8)5 | 8-5.5.3.2 |
| Voltmeter Scale | 47J3(S10) | 8-5.5.9.1 |

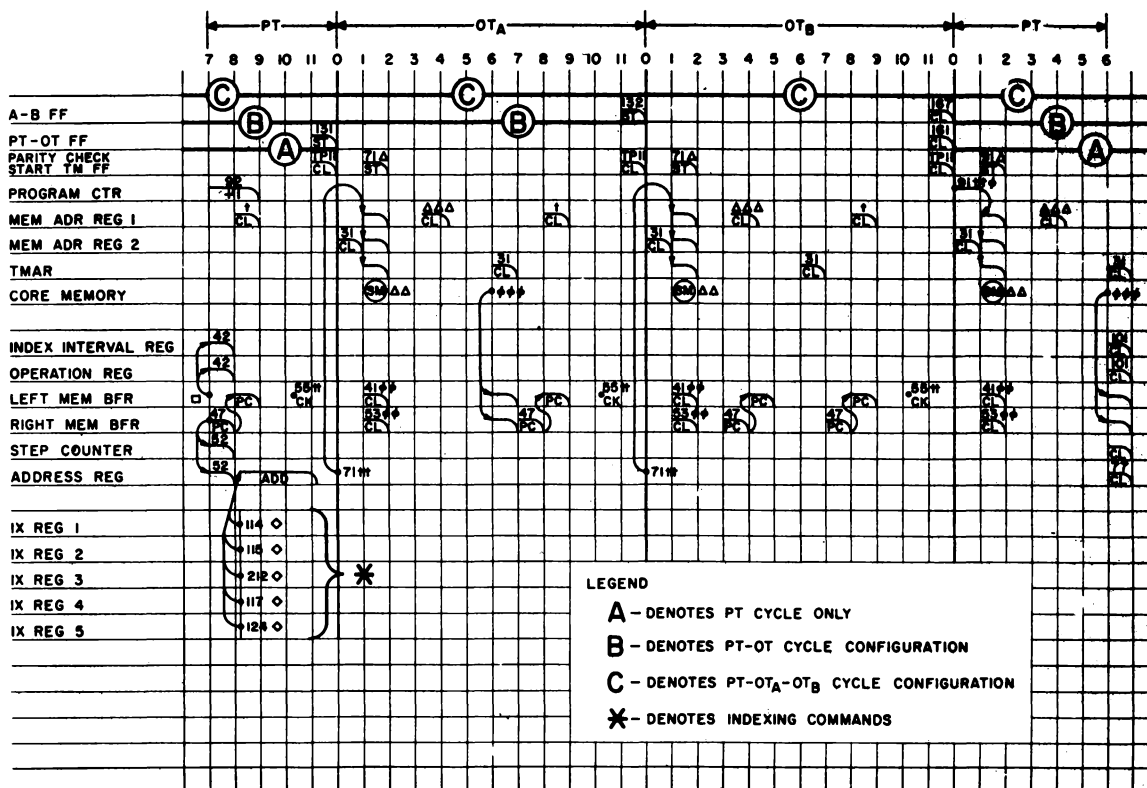
Appendix A

INSTRUCTIONS AND COMMANDS

SECTION A-1

CENTRAL COMPUTER TIMING CHARTS

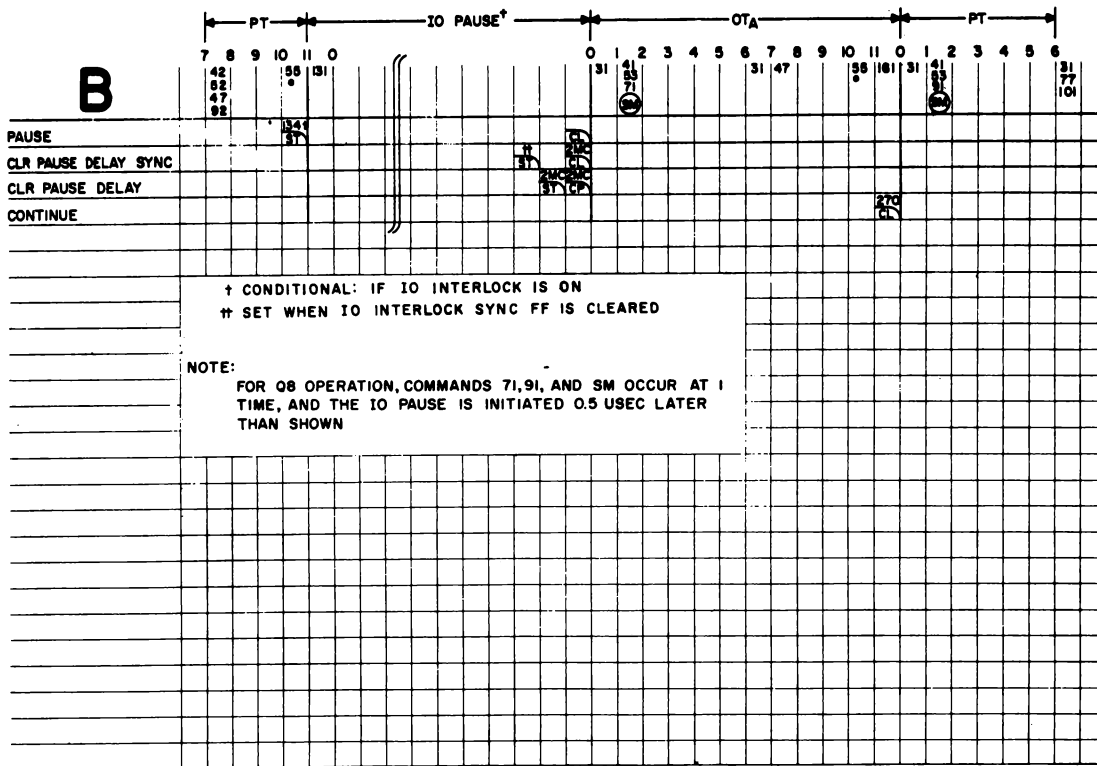
A-1.3
A-1.4



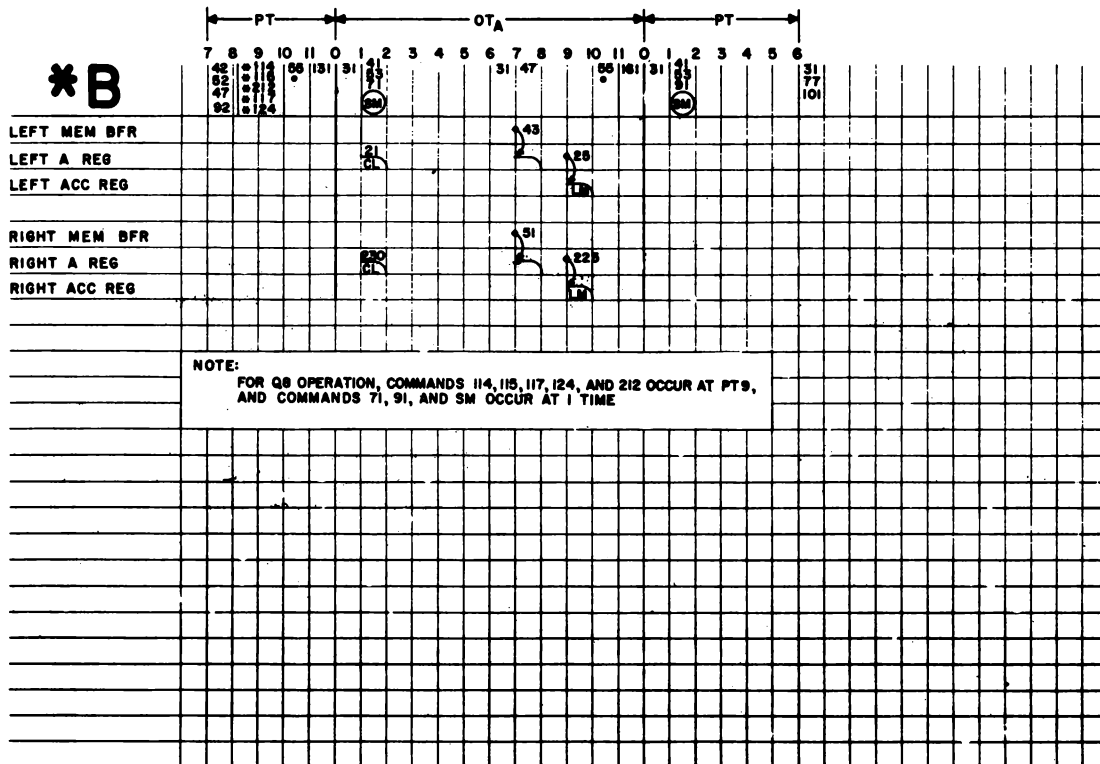
- † CONDITIONAL: OCCURS IF CORE MEMORY 1 WAS SELECTED. THE REGISTER IS CLEARED BY THE SM 1 PULSE DELAYED 3.4 USEC
- †† CONDITIONAL: OCCURS AT TP 10 + 0.2 USEC IF CORE MEMORY ADDRESS WAS SELECTED
- ††† IF MEMORY 1 IS SELECTED, TRANSFER OCCURS AT IPO + 0.4 USEC (APPROX); IF MEMORY 2 OR TEST MEMORY IS SELECTED, TRANSFER OCCURS AT IPO + 0.6 USEC (APPROX)
- Δ CONDITIONAL: OCCURS IF CORE MEMORY ADDRESS IS SELECTED. IF MEMORY 1 IS SELECTED THE FF IS SET AT IPO + 0.25 USEC (APPROX); IF MEMORY 2 IS SELECTED THE FF IS SET AT IPO + 0.6 USEC (APPROX)
- ΔΔ CONDITIONAL: OCCURS IF CORE MEMORY ADDRESS IS SELECTED. IF MEMORY 1 IS SELECTED, START MEMORY 1 PULSE IS GENERATED AT IPO + 0.6 USEC (APPROX); IF MEMORY 2 IS SELECTED, START MEMORY 2 PULSE IS GENERATED AT IPO + 0.85 USEC (APPROX)
- ΔΔΔ CONDITIONAL: OCCURS AT TPO + 1.7 USEC IF MEMORY 1 IS NOT SELECTED
- ♦♦ GENERATED BY TPO DELAYED 0.5 USEC
- ♦ CONDITIONAL: OCCURS IF BRANCH FF IS CLEARED IF BRANCH FF IS SET, INSTRUCTION ADDRESS IS TRANSFERRED FROM ADDRESS REGISTER BY COMMAND 100
- ♦♦♦ CONDITIONAL: OCCURS IF CORE MEMORY ADDRESS WAS SELECTED, IF TEST MEMORY ADDRESS WAS SELECTED, TRANSFER FROM TEST MEMORY TO MEMORY BUFFER REGISTER OCCURS AT IP5
- ◇ CONDITIONAL: TRANSFER OCCURS AT PT 8 + 0.1 USEC IF INDEX REGISTER IS SELECTED
- FOR Q7 OPERATION, TRANSFER BIT LS TO ADDRESS REGISTER

NOTE:

FOR Q8 OPERATION, THE CORE MEMORY AND TEST MEMORY FF'S (EQUIVALENT TO PARITY CHECK START TM FF) AND MEMORY ADDRESS REGISTER 1 ARE CLEARED BY COMMAND 31 AT 0 TIME; COMMANDS 71, 91 AND SM OCCUR AT 1 TIME; AND COMMANDS 114, 115, 117, 124 AND 212 OCCUR AT PT 9



A-1.7



ETR 004
EXTRACT

PIER 01-

B

OPERATE GATES

[illegible]

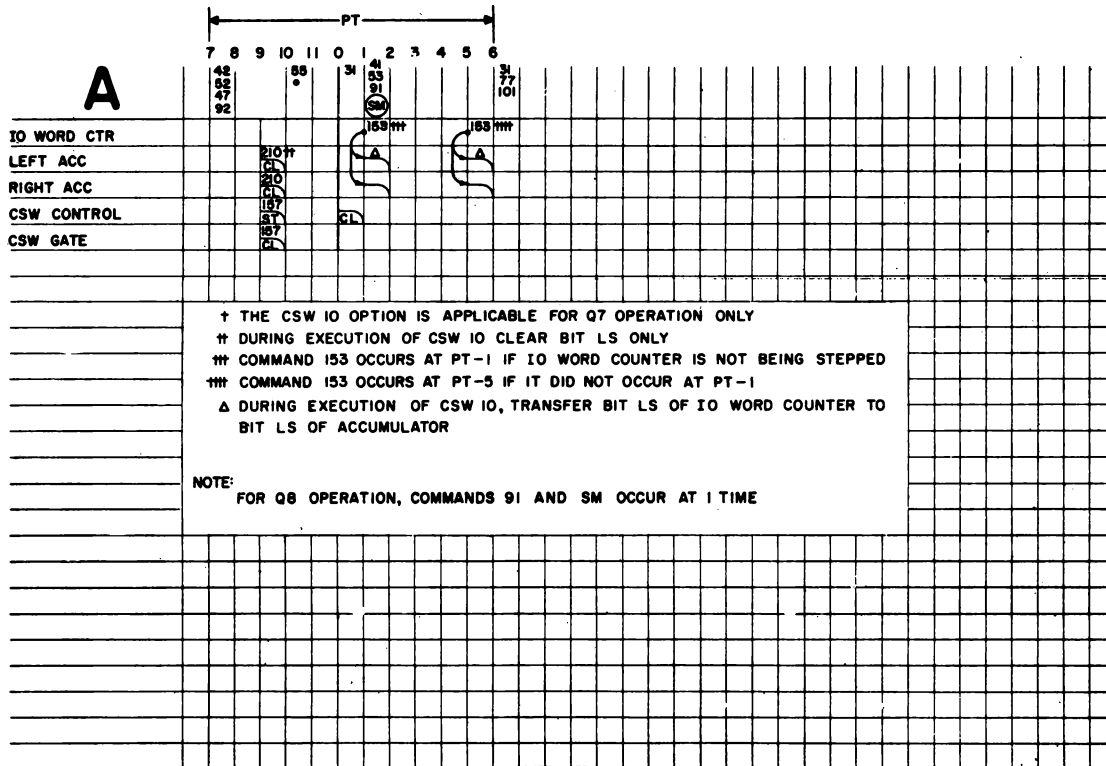
† SENSE PER GATE TUBES TO GENERATE CONTROL PULSE TO PERFORM SPECIFIED OPERATION

NOTE:

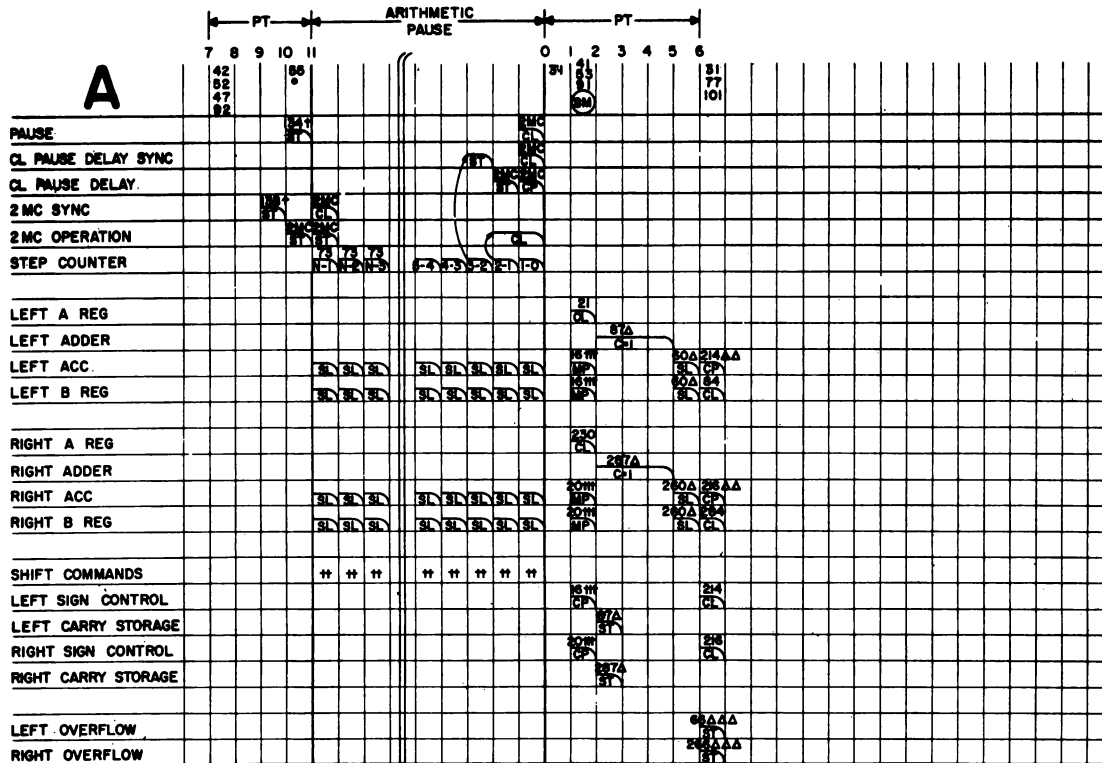
FOR QB OPERATION, COMMANDS 71, 91, AND SM OCCUR AT 1 TIME

A-1.8

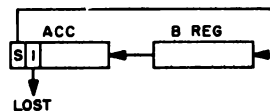
A-1.9



CSW 020
CSW 10 + 021



- ↑ CONDITIONAL: IF STEP COUNTER CONTENT GREATER THAN 0
- ↑↑ LEFT ARITHMETIC SHIFT COMMANDS: 2,5,81,82
RIGHT ARITHMETIC SHIFT COMMANDS: 202,205,281,282
- ↑↑↑ CONDITIONAL: IF ACCUMULATOR REGISTER SIGN CONTAINS A 1
- Δ CONDITIONAL: IF B REGISTER SIGN CONTAINS A 1
- ΔΔ CONDITIONAL: IF SIGN CONTROL FF IS SET
- ΔΔΔ CONDITIONAL: OVERFLOW DEPENDS UPON VALUE OF THE NUMBER BEING ADDED



NOTE:

THIS TRAFFIC CHART IS APPLICABLE IF 2 TO 770 SHIFTS ARE SPECIFIED. IF ONLY ONE SHIFT IS SPECIFIED THE 2MC OPERATION: FF IS COMPLEMENTED ON AND OFF RATHER THAN BEING SET AND CLEARED AS SHOWN.

NOTE:

FOR Q8 OPERATION, COMMANDS 91 AND 5M OCCUR AT 1 TIME, AND THE ARITHMETIC PAUSE IS INITIATED AND TERMINATED 0.5 USEC LATER THAN SHOWN. ACTION TO CLEAR THE PAUSE FF IS INITIATED WHEN THE STEP COUNTER CONTENT IS REDUCED FROM 2 TO 1

***B**

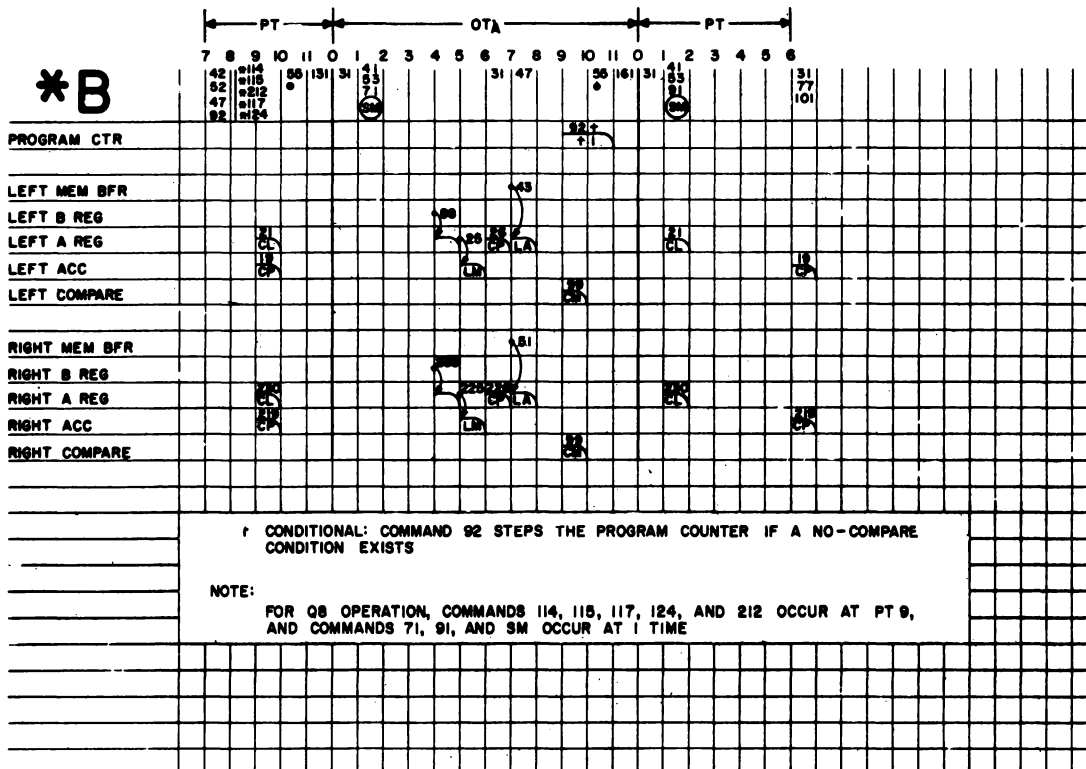
LEFT MEM BFR
LEFT B REG

RIGHT MEM BFR
RIGHT B REG

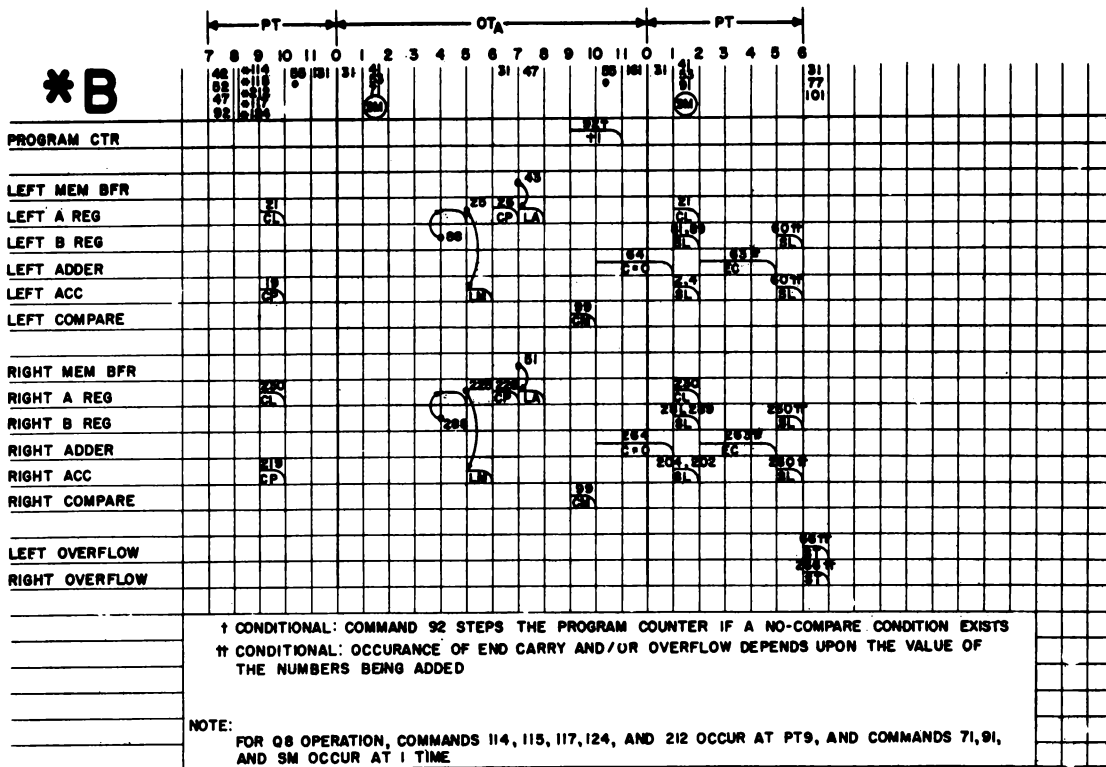
NOTE:
FOR Q8 OPERATION, COMMANDS 114, 115, 117, 124, AND 212 OCCUR
AT PT9, AND COMMANDS 71, 91, AND SM OCCUR AT I TIME

NOTE: FOR Q8 OPERATION, COMMANDS 114, 115, 117, 124, AND 212 OCCUR AT P79, AND COMMANDS 71, 91, AND SM OCCUR AT I TIME

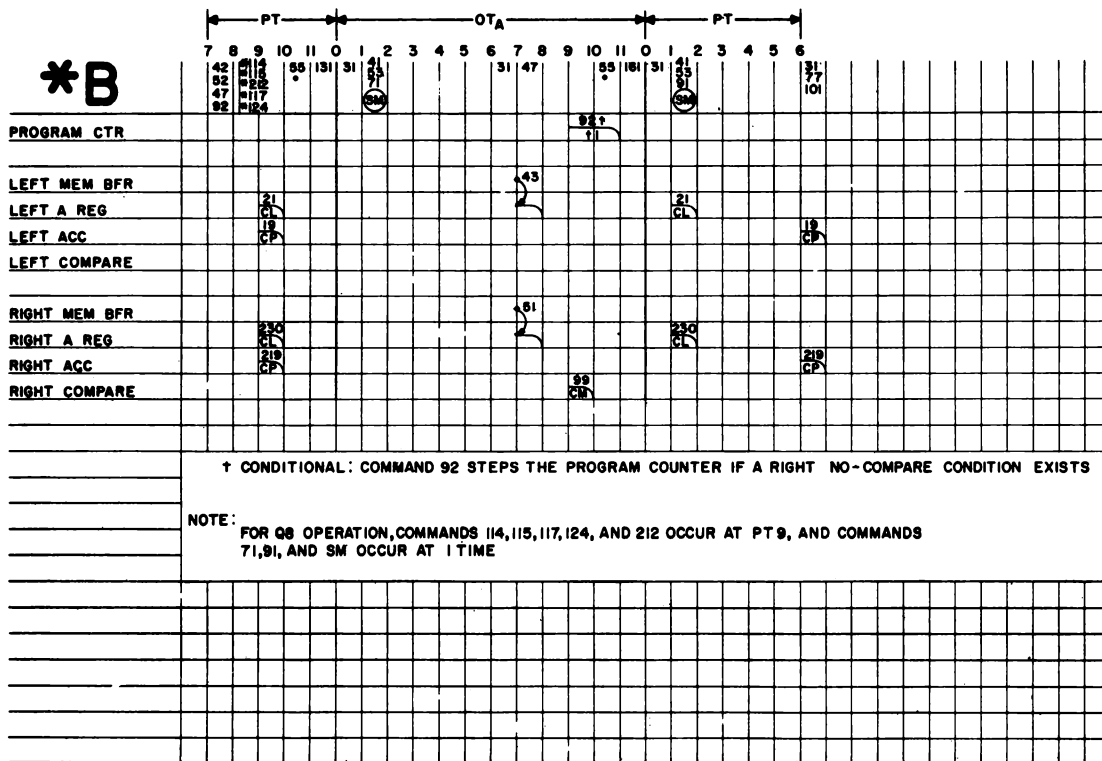
A-1.13



CMM 040
 COMPARE -
 MASKED BITS

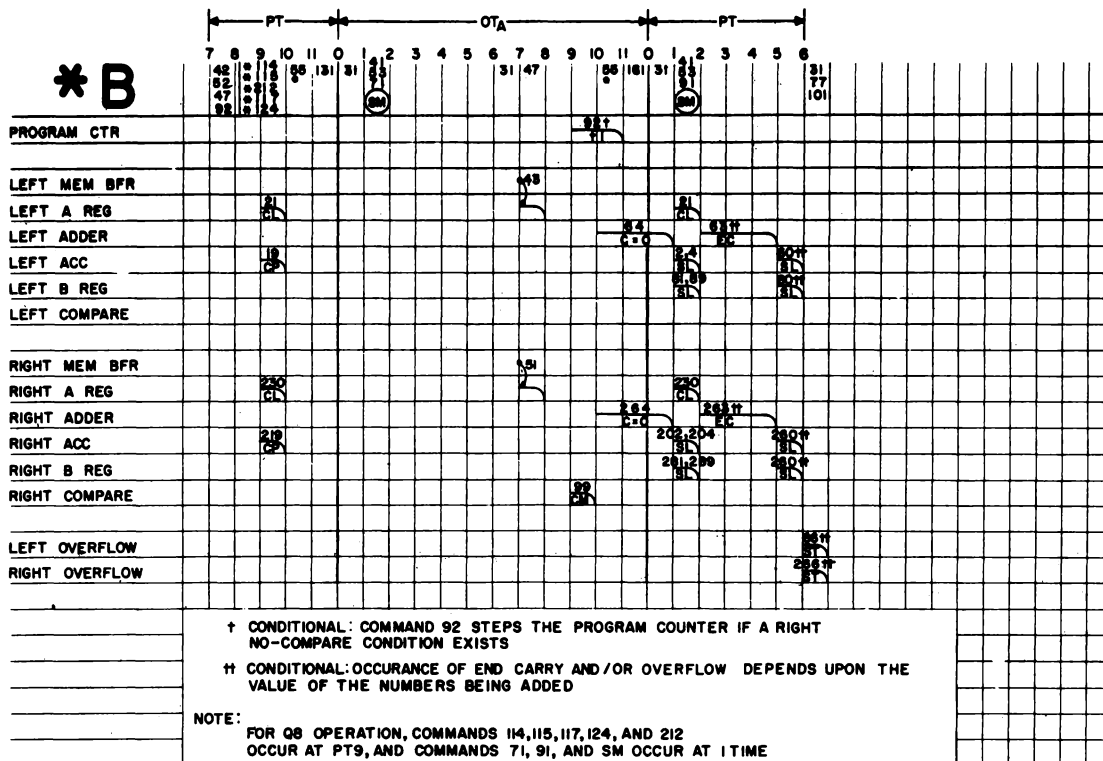


A-1.15

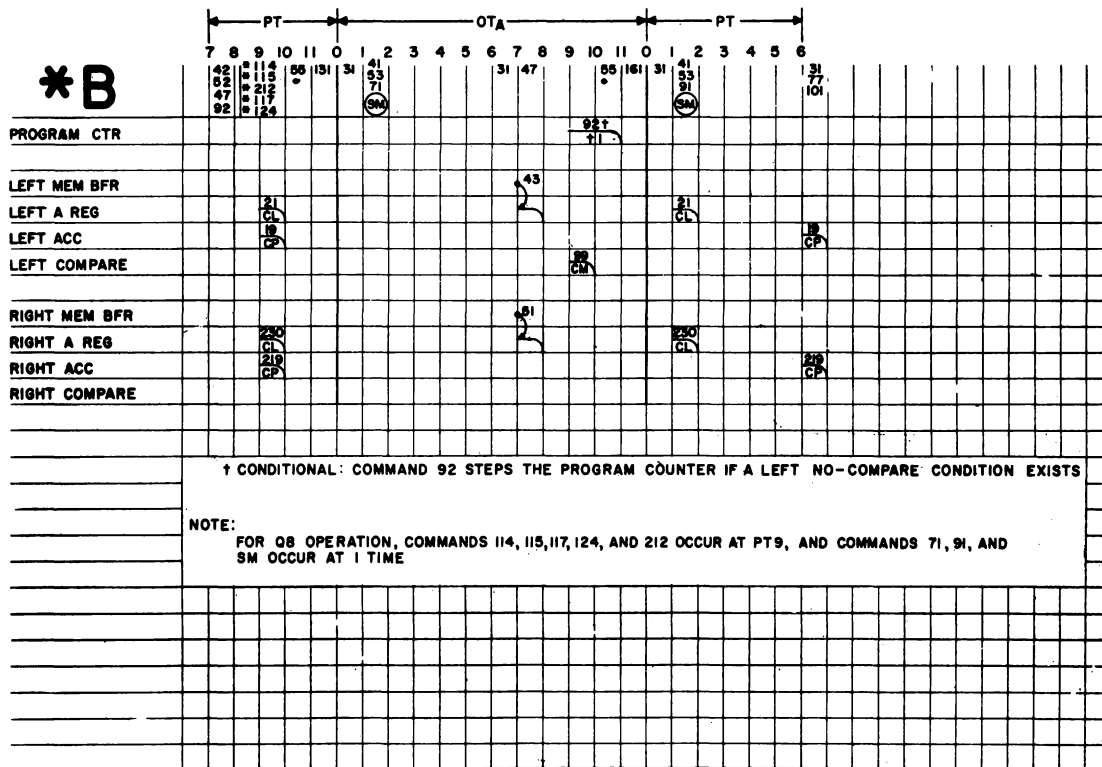


CMR 042
COMPARE-MASK
RT. HALF

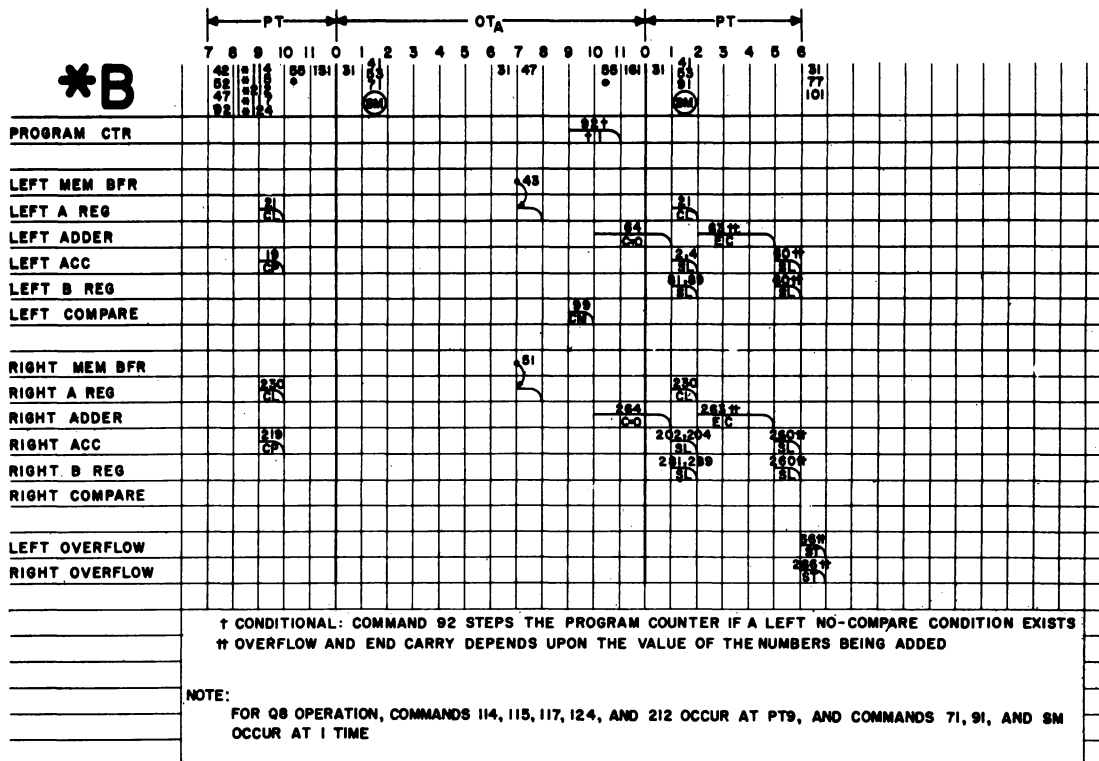
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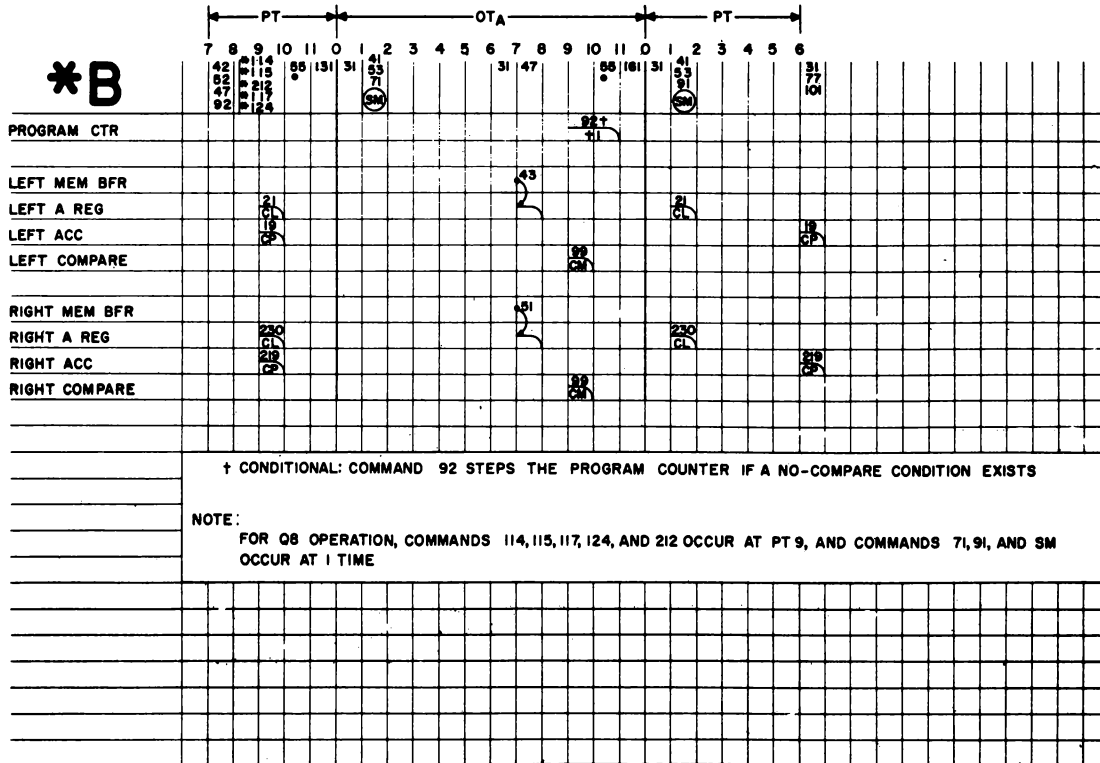
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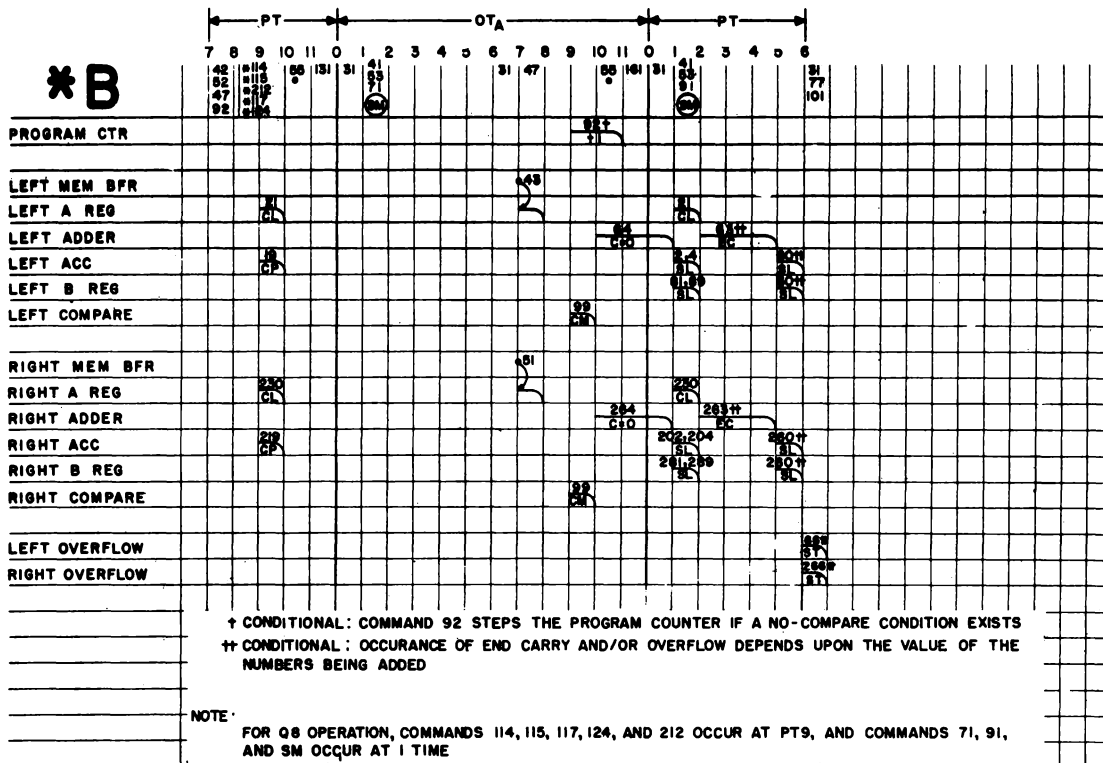


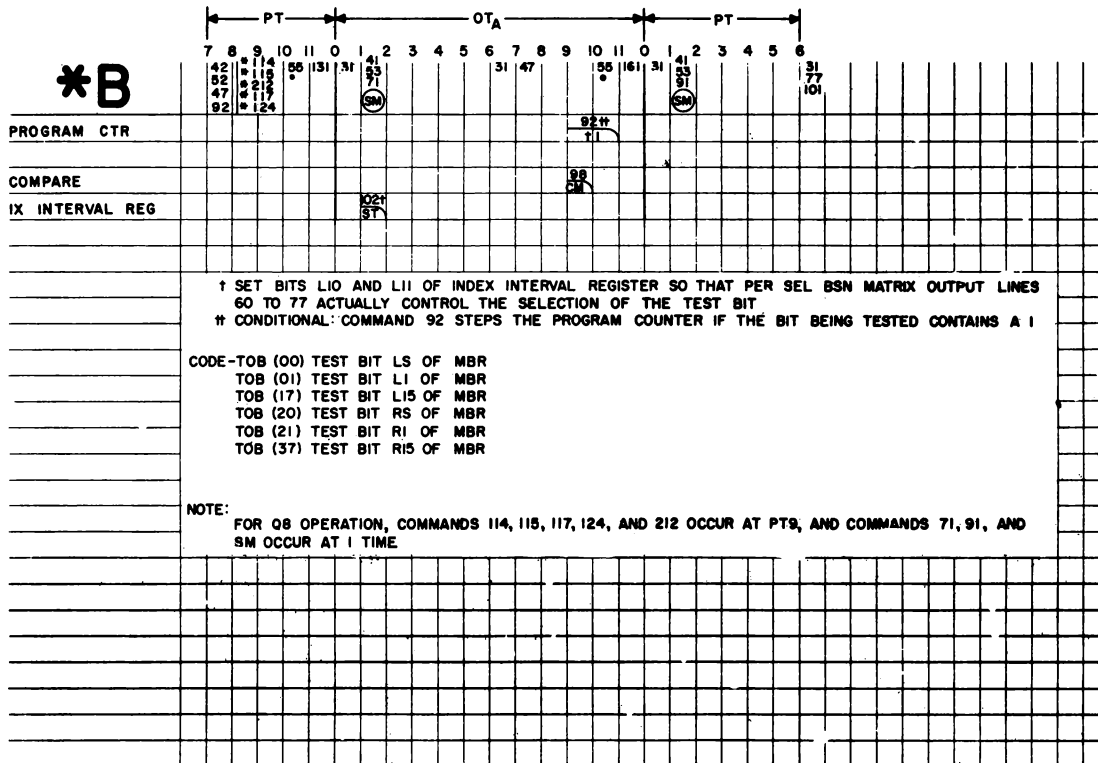
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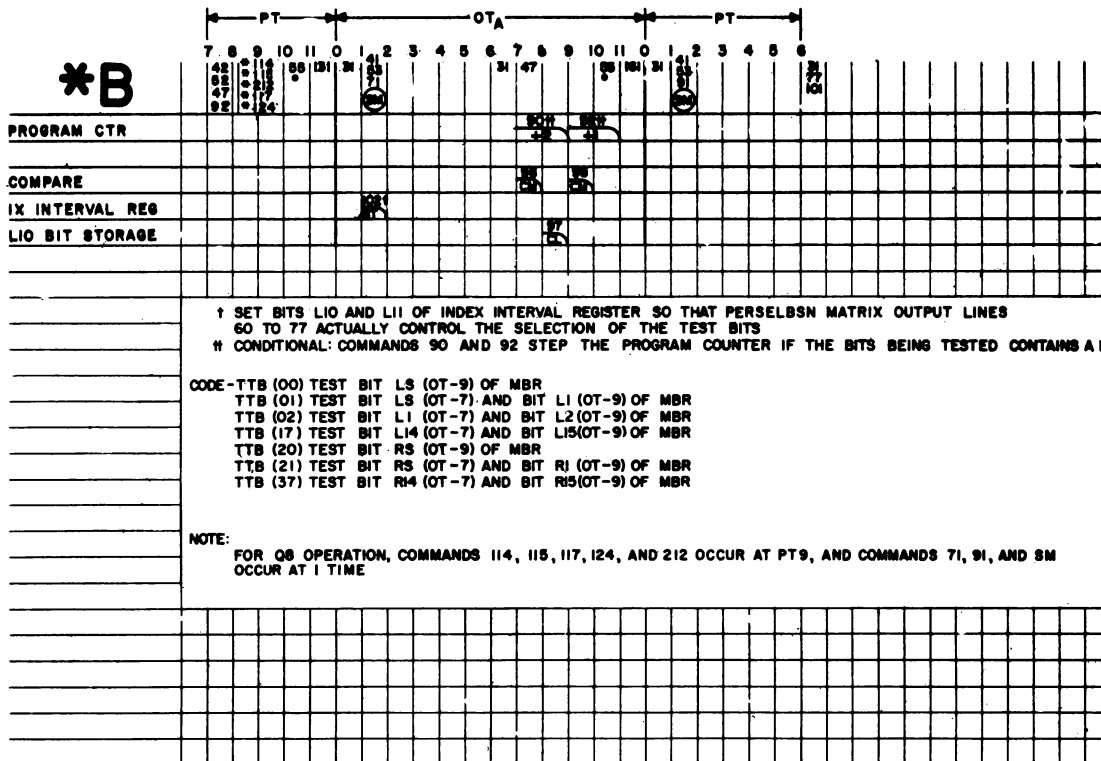


A-1.19

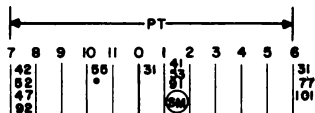








A



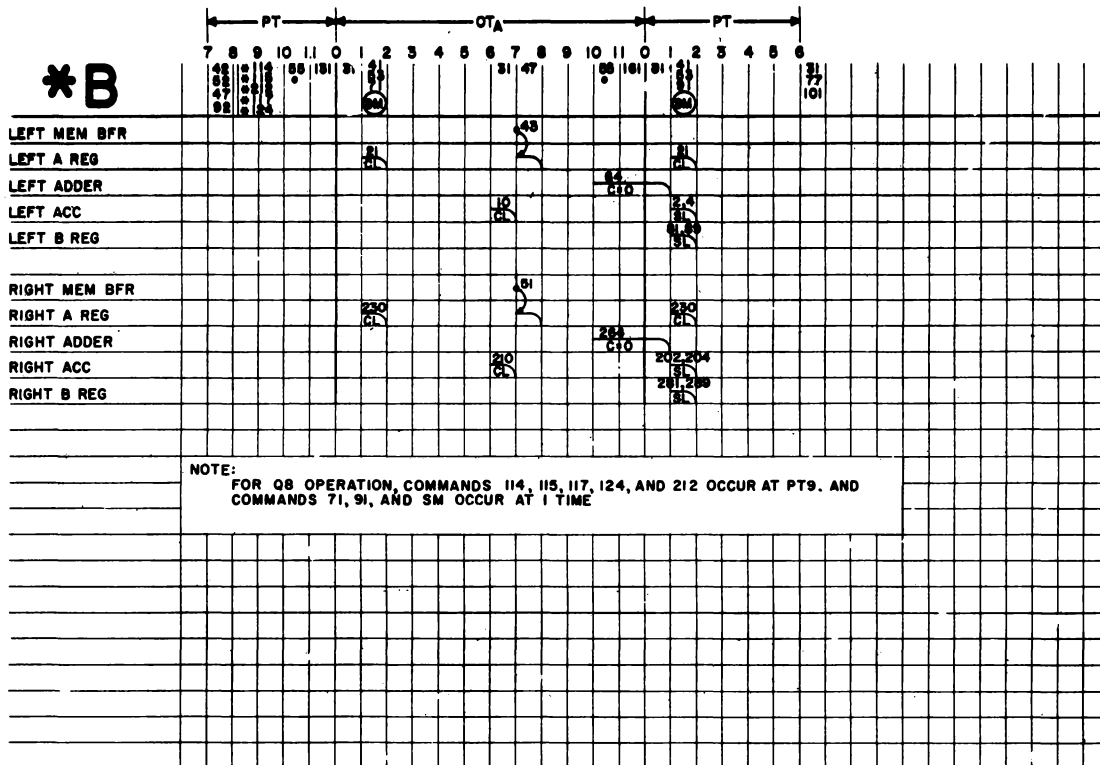
† SINCE NO LOGICAL OPERATION IS PERFORMED DURING THE EXECUTION OF ANY OF THESE INSTRUCTIONS, THEY MAY BE USED TO PROVIDE FOR A 6.0 USEC DELAY IN PROGRAM EXECUTION

NOTE:
FOR Q8 OPERATION, COMMANDS 91 AND SM OCCUR AT 1 TIME

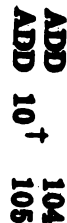
A-1.23

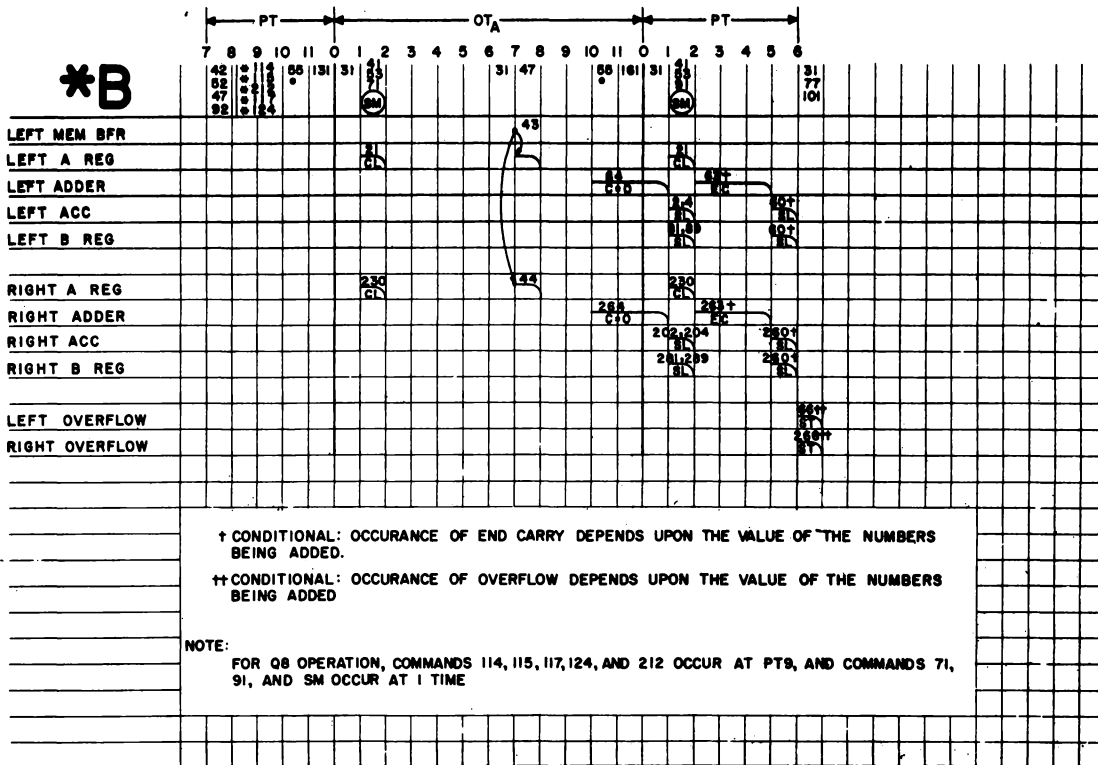
Misc Class
Illegal 0

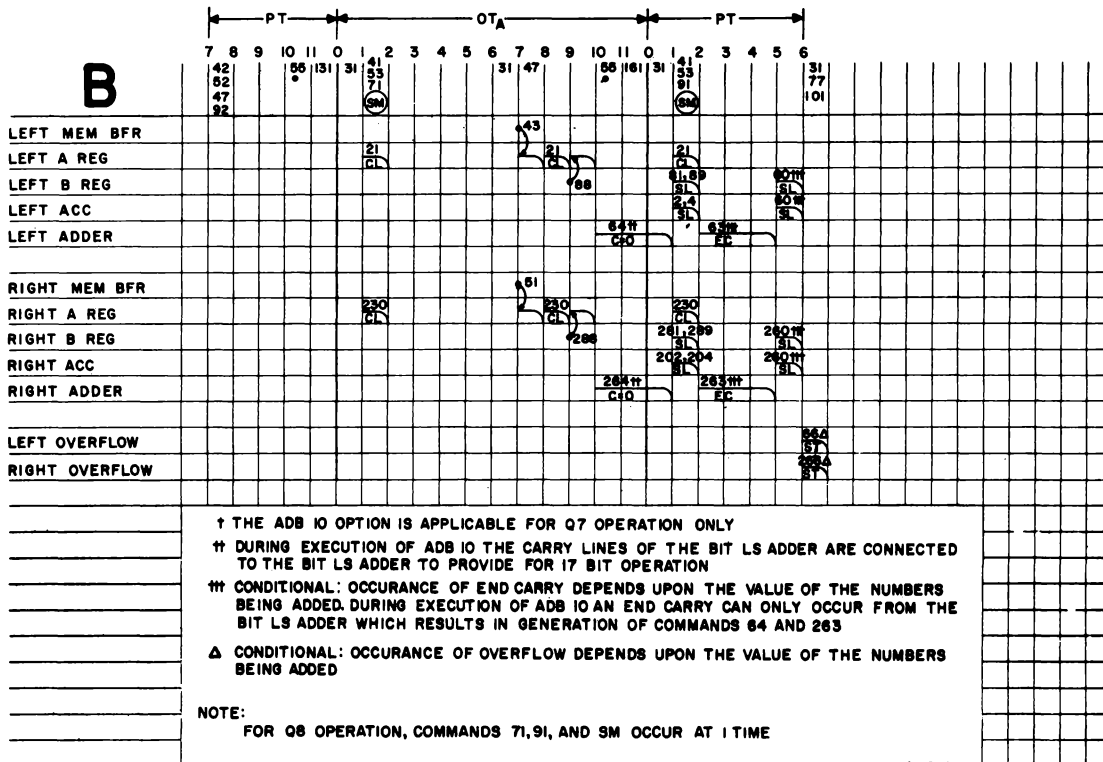
***B**



***B**







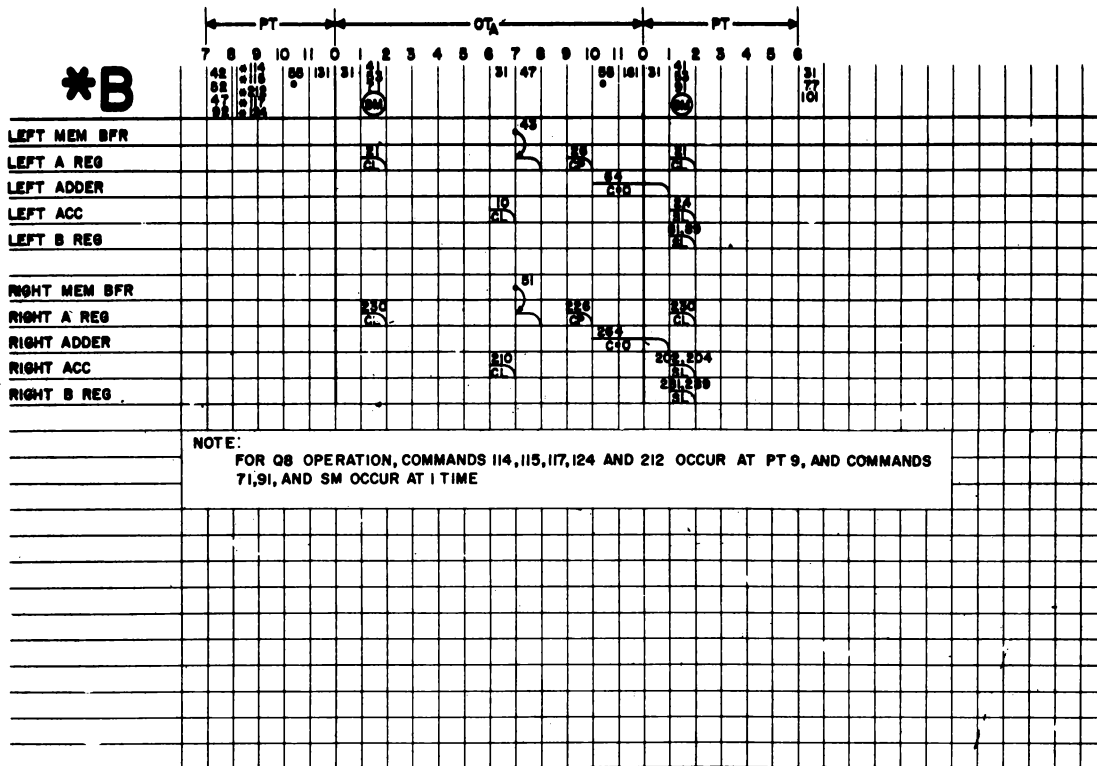
† THE ADB 10 OPTION IS APPLICABLE FOR Q7 OPERATION ONLY

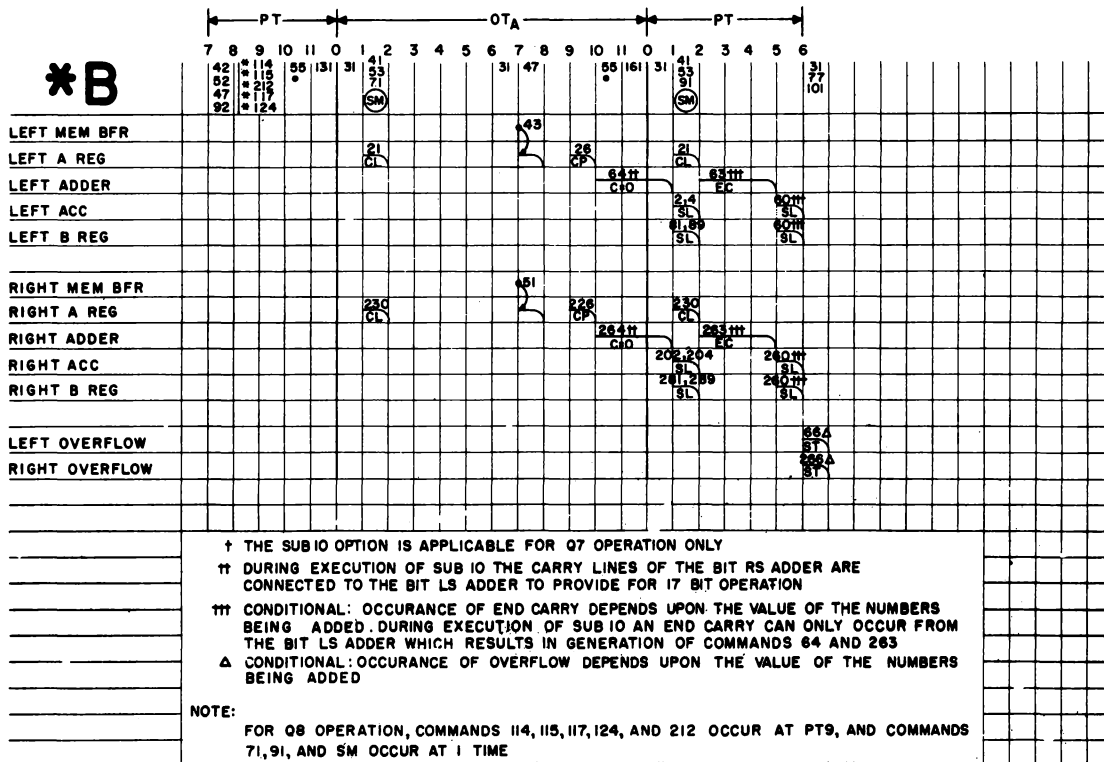
†† DURING EXECUTION OF ADB 10 THE CARRY LINES OF THE BIT LS ADDER ARE CONNECTED TO THE BIT LS ADDER TO PROVIDE FOR 17 BIT OPERATION

††† CONDITIONAL: OCCURANCE OF END CARRY DEPENDS UPON THE VALUE OF THE NUMBERS BEING ADDED. DURING EXECUTION OF ADB 10 AN END CARRY CAN ONLY OCCUR FROM THE BIT LS ADDER WHICH RESULTS IN GENERATION OF COMMANDS 64 AND 263

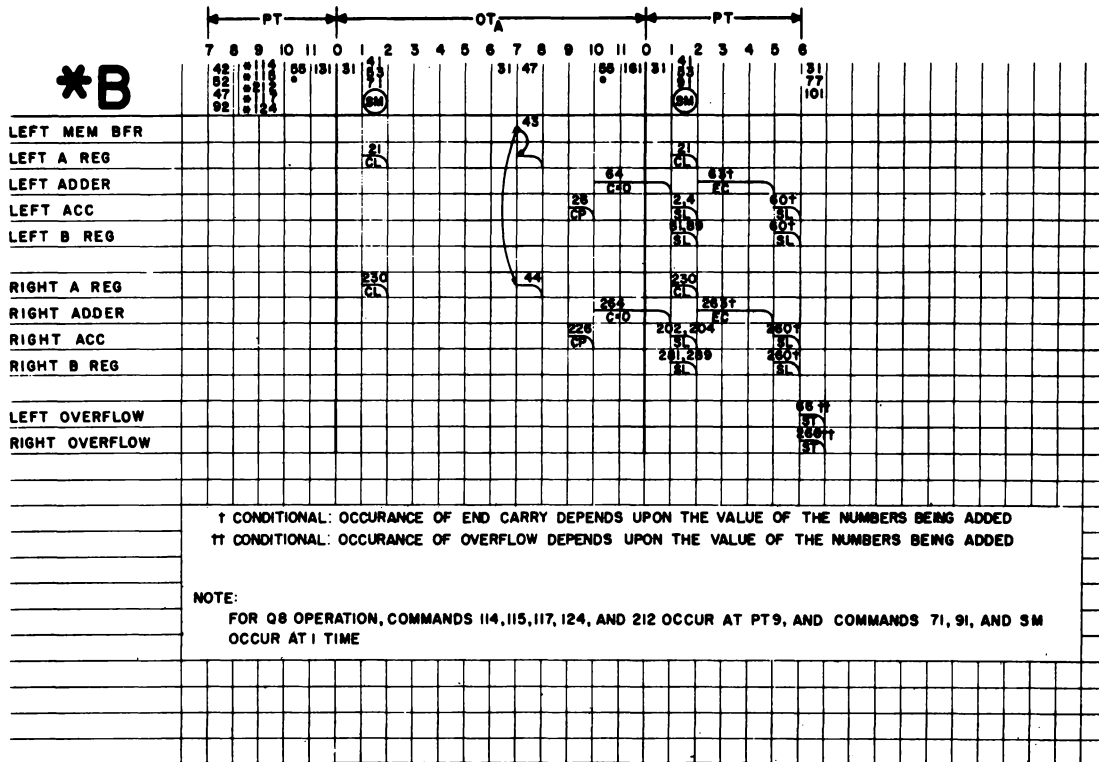
Δ CONDITIONAL: OCCURANCE OF OVERFLOW DEPENDS UPON THE VALUE OF THE NUMBERS BEING ADDED

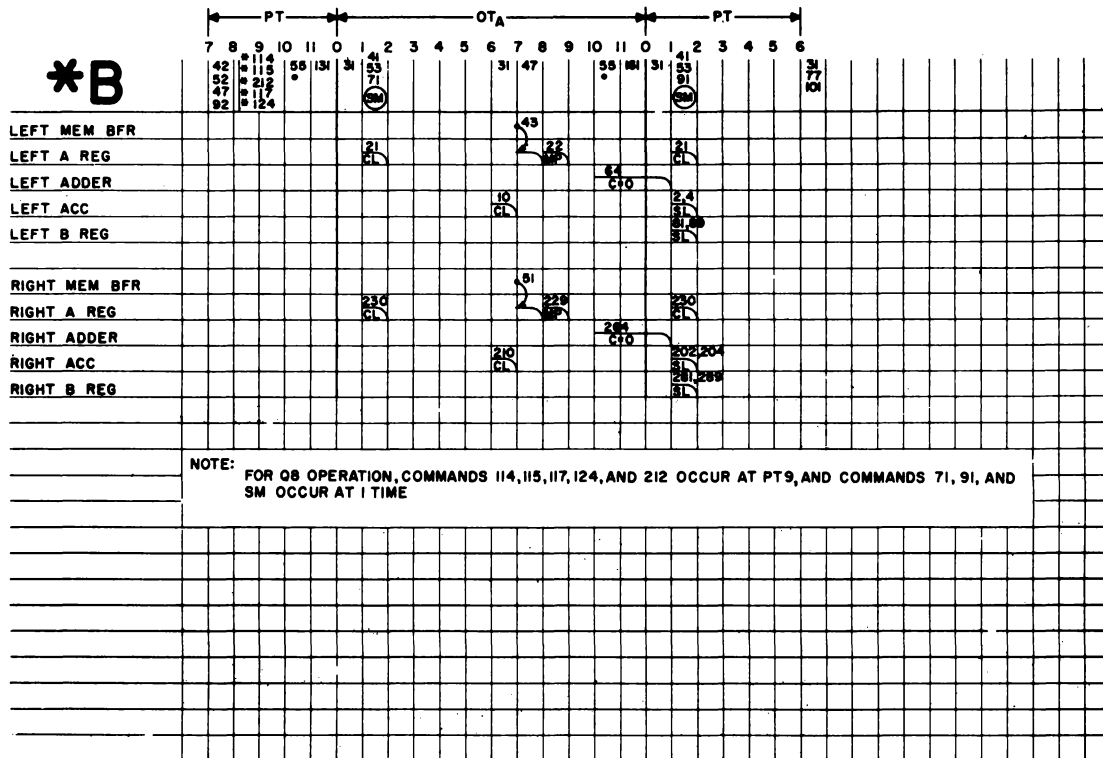
***B**



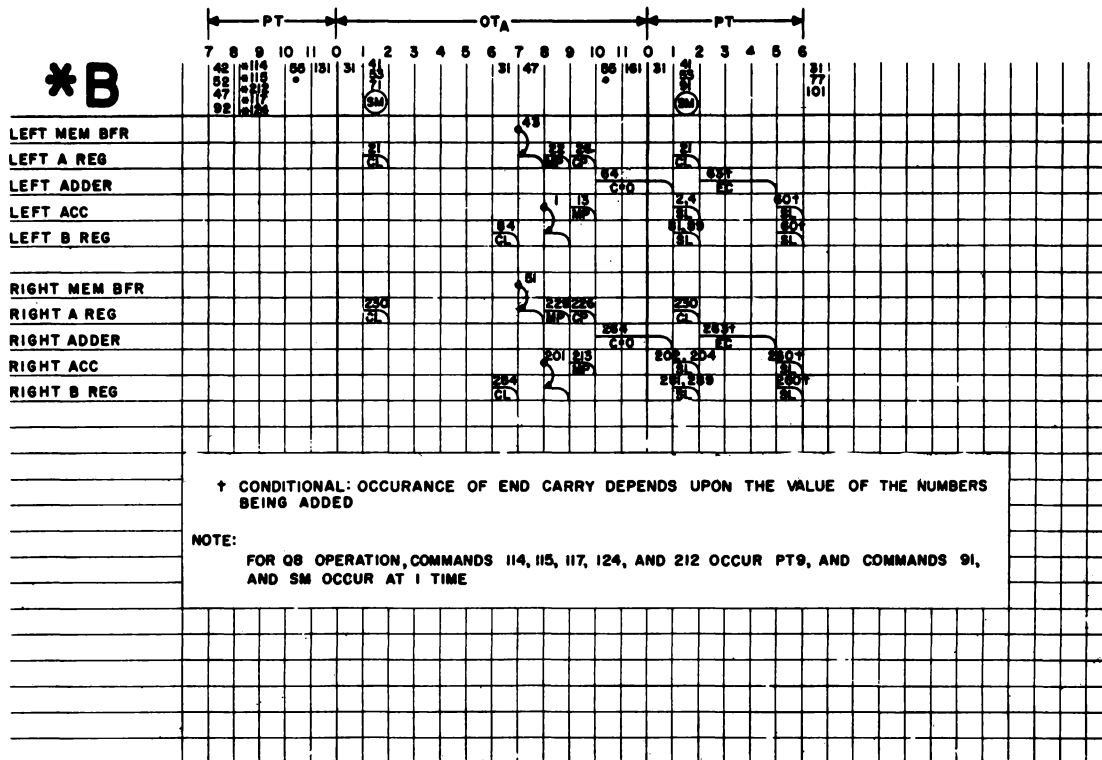


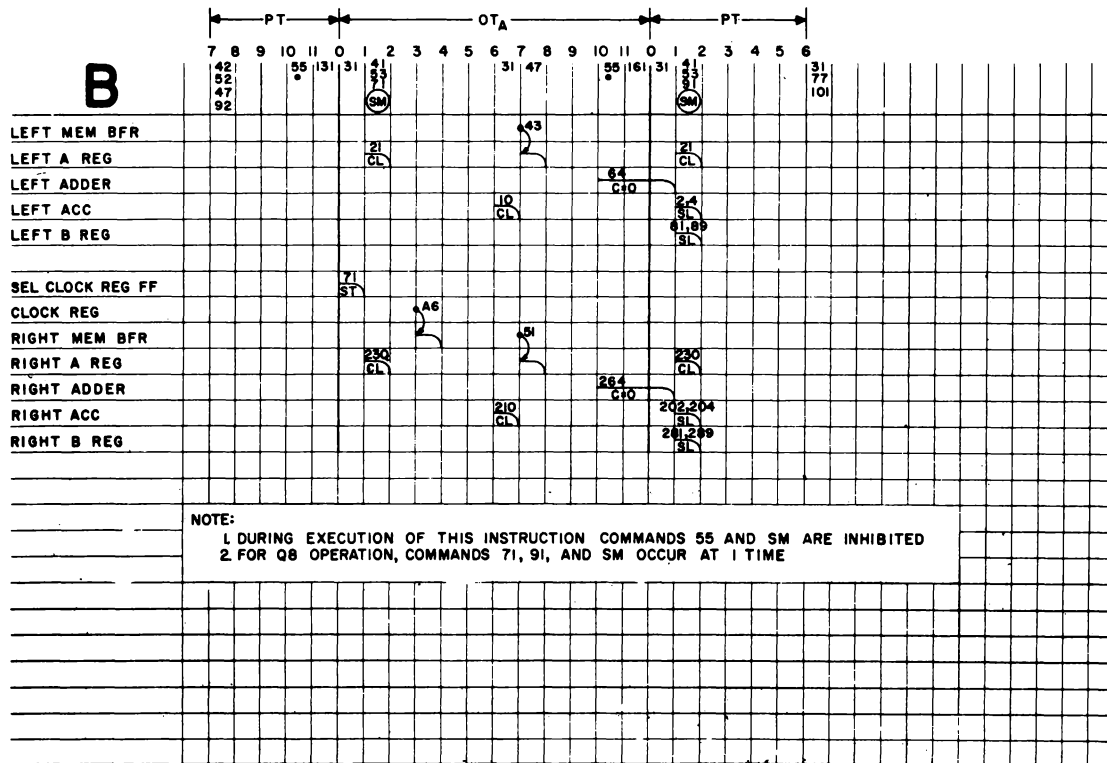
***B**





***B**

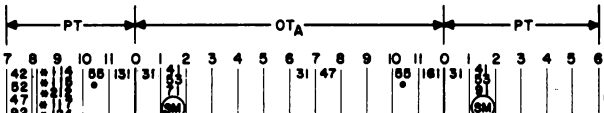




11

LAD

***B**

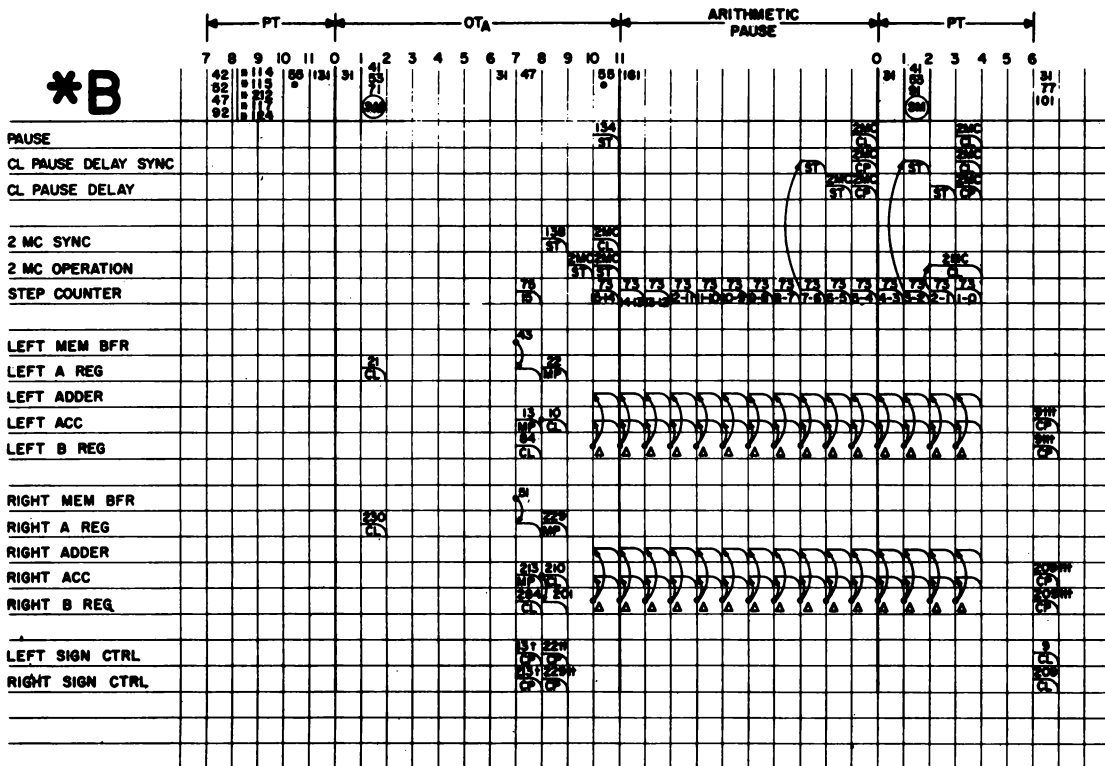


RIGHT OVERFLOW

† EXECUTION OF AN ADD CLASS ILLEGAL INSTRUCTION RESULTS IN A LEFT HALF WORD ADDITION
 ‡ CONDITIONAL: OCCURANCE OF END CARRY AND / OR OVERFLOW DEPENDS UPON THE VALUE OF THE NUMBERS BEING ADDED

NOTE: FOR Q8 OPERATION, COMMANDS 114, 115, 117, 124, AND 212 OCCUR AT PT9, AND COMMANDS 71, 91, AND 5M OCCUR AT 1 TIME

A-1.34

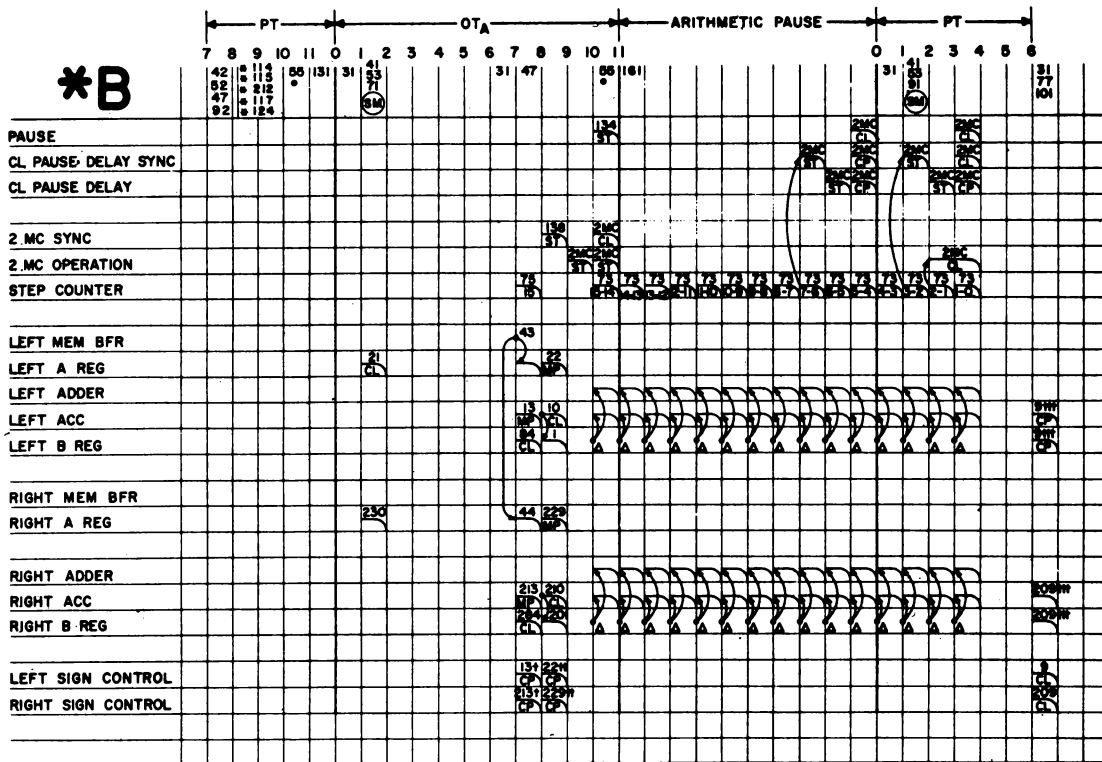


† CONDITIONAL: IF ASSOCIATED ACCUMULATOR SIGN BIT CONTAINS A 1
‡ CONDITIONAL: IF ASSOCIATED A REGISTER SIGN BIT CONTAINS A 1
‡‡ CONDITIONAL: IF ASSOCIATED SIGN CONTROL FF CONTAINS A 1
Δ COMMAND 83 (LEFT) AND 283 (RIGHT) SHIFT THE ASSOCIATED
B REGISTER 1 POSITION TO THE RIGHT AND SENSE THE STATUS
OF BIT 15 OF THE B REGISTER - IF 0, THE ACCUMULATOR IS RIPPLE
SHIFTED 1 POSITION TO THE RIGHT IF 1, A CARRY=0 PULSE IS APPLIED
TO THE BIT 15 ADDER

NOTE:

FOR Q8 OPERATION, COMMANDS 114, 115, 117, 124, AND 212 OCCUR AT PT9,
COMMANDS 71, 91, AND SM OCCUR AT 1 TIME, AND THE ARITHMETIC PAUSE IS
INITIATED AND TERMINATED 0.5 USEC LATER THAN SHOWN. ACTION TO CLEAR
THE PAUSE FF IS INITIATED WHEN THE STEP COUNTER CONTENT IS REDUCED
FROM 6 TO 5

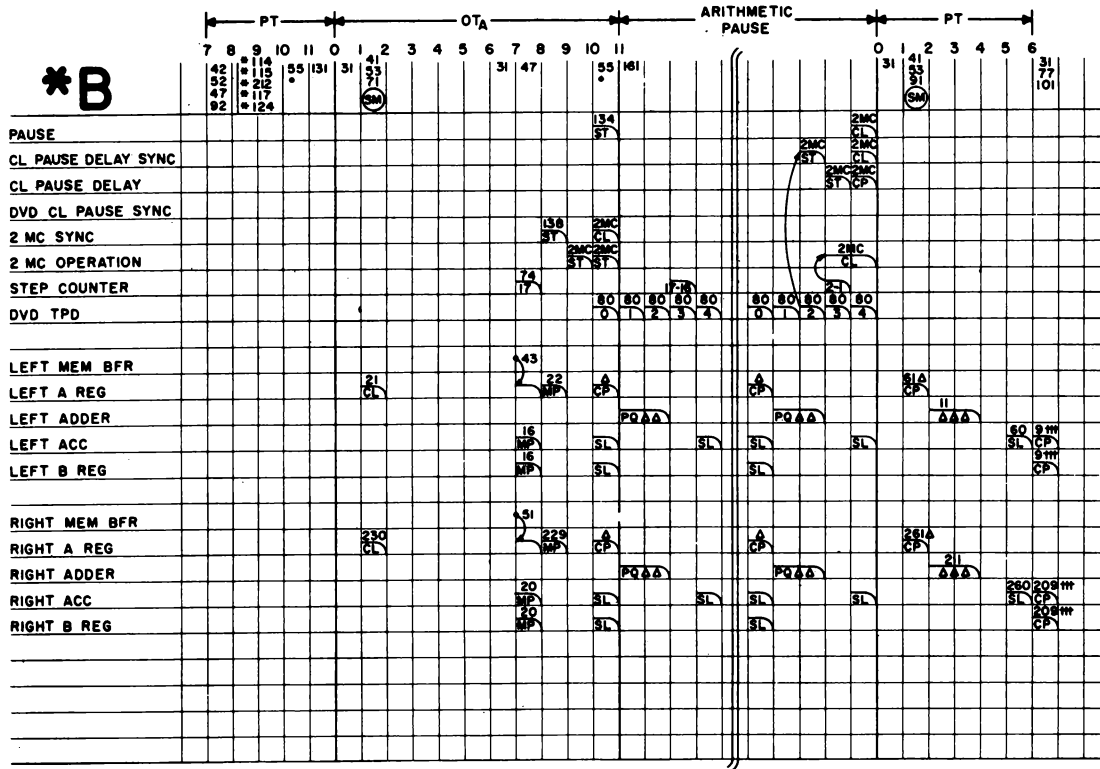
A-1.38



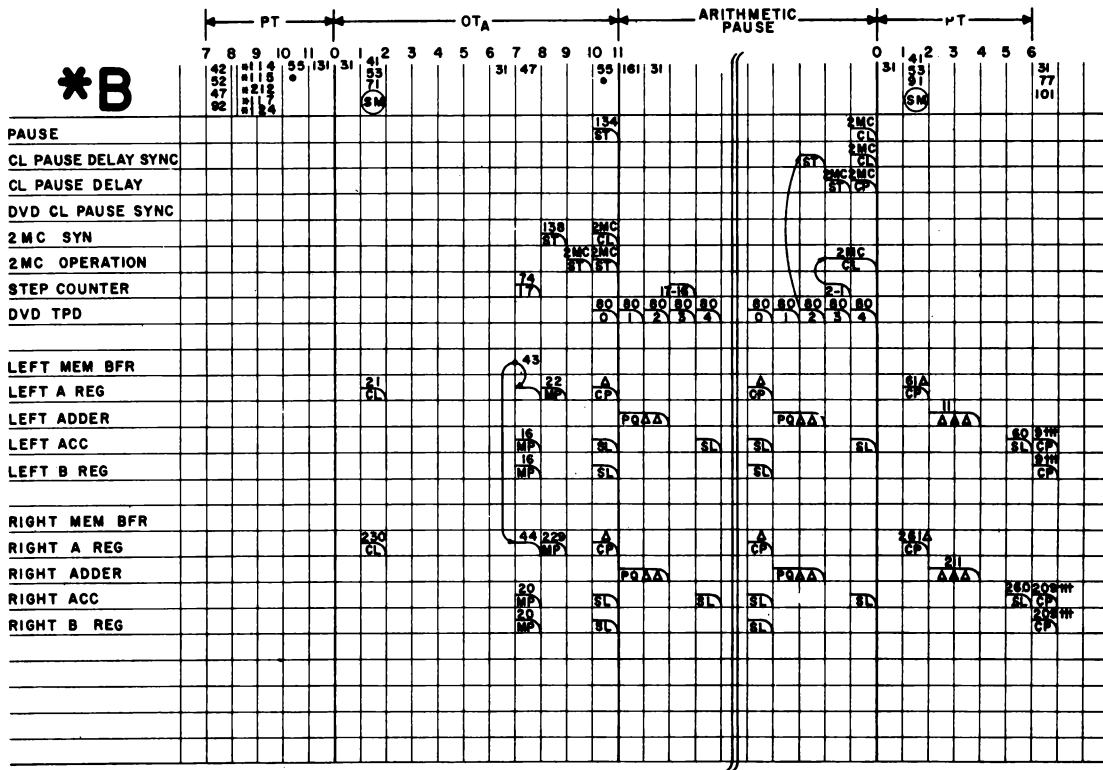
† CONDITIONAL: IF ASSOCIATED ACCUMULATOR SIGN BIT CONTAINS A 1
 ‡ CONDITIONAL: IF ASSOCIATED A REGISTER SIGN BIT CONTAINS A 1
 ¶ CONDITIONAL: IF ASSOCIATED SIGN CONTROL FF CONTAINS A 1
 Δ COMMAND 93 (LEFT) AND 283 (RIGHT) SHIFT THE ASSOCIATED
 B REGISTER 1 POSITION TO THE RIGHT AND SENSE THE STATUS
 OF B REGISTER BIT 15 - IF 0, THE ACCUMULATOR IS RIPPLE SHIFTED
 1 POSITION TO THE RIGHT IF 1, A CARRY = 0 IS APPLIED TO THE
 ASSOCIATED BIT 15 ADDER

NOTE:

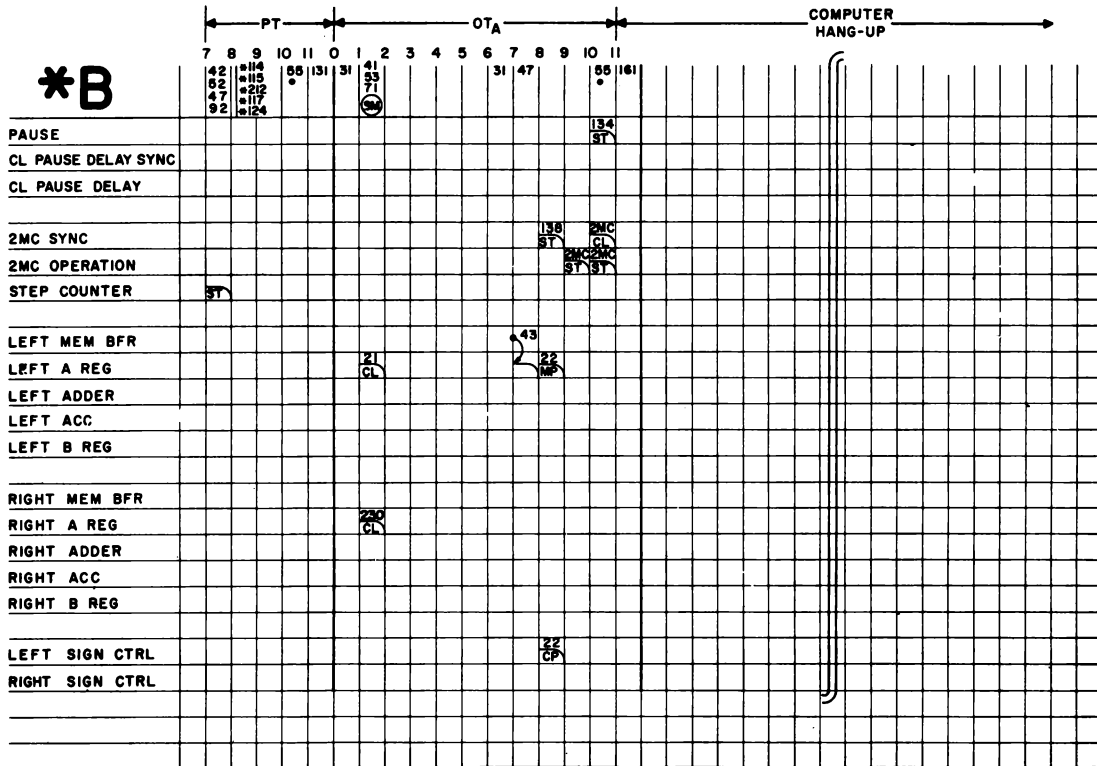
FOR Q8 OPERATION, COMMANDS 114, 115, 117, 124, AND 212 OCCUR AT PT9,
 COMMANDS 71, 91, AND 5M OCCUR AT 1 TIME, AND THE ARITHMETIC PAUSE IS
 INITIATED AND TERMINATED 0.5 USEC LATER THAN SHOWN. ACTION TO CLEAR
 THE PAUSE FF IS INITIATED WHEN THE STEP COUNTER CONTENT IS REDUCED
 FROM 6 TO 5



[illegible]



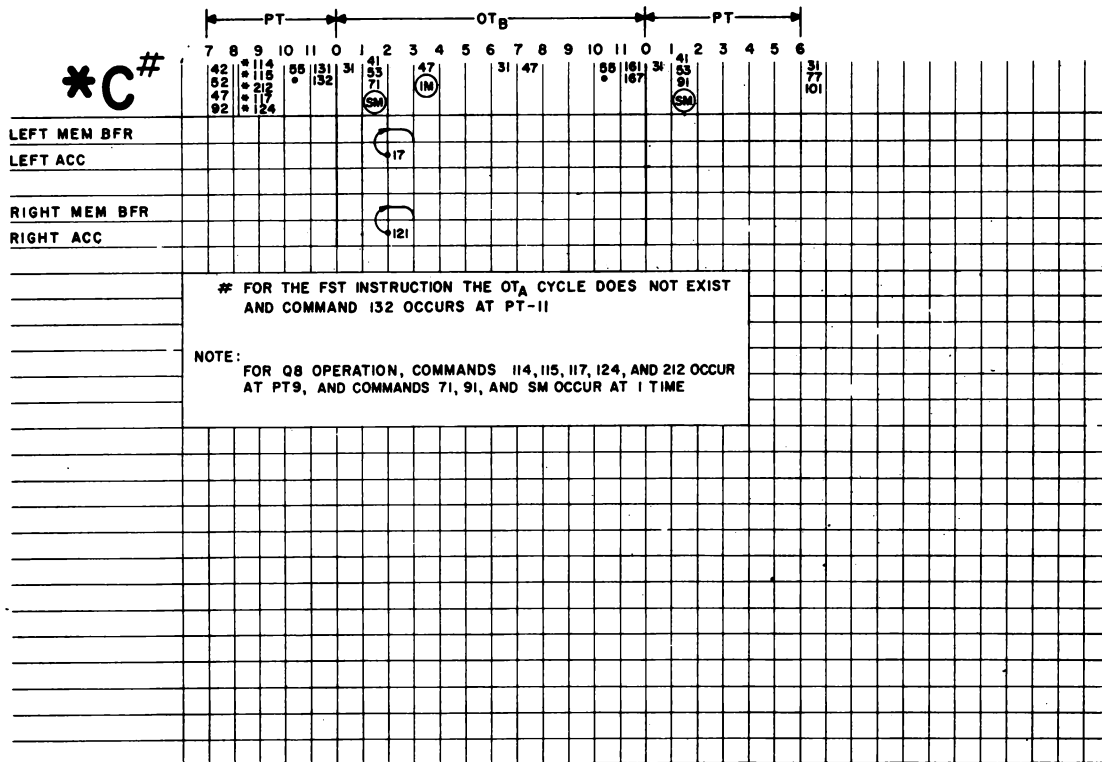
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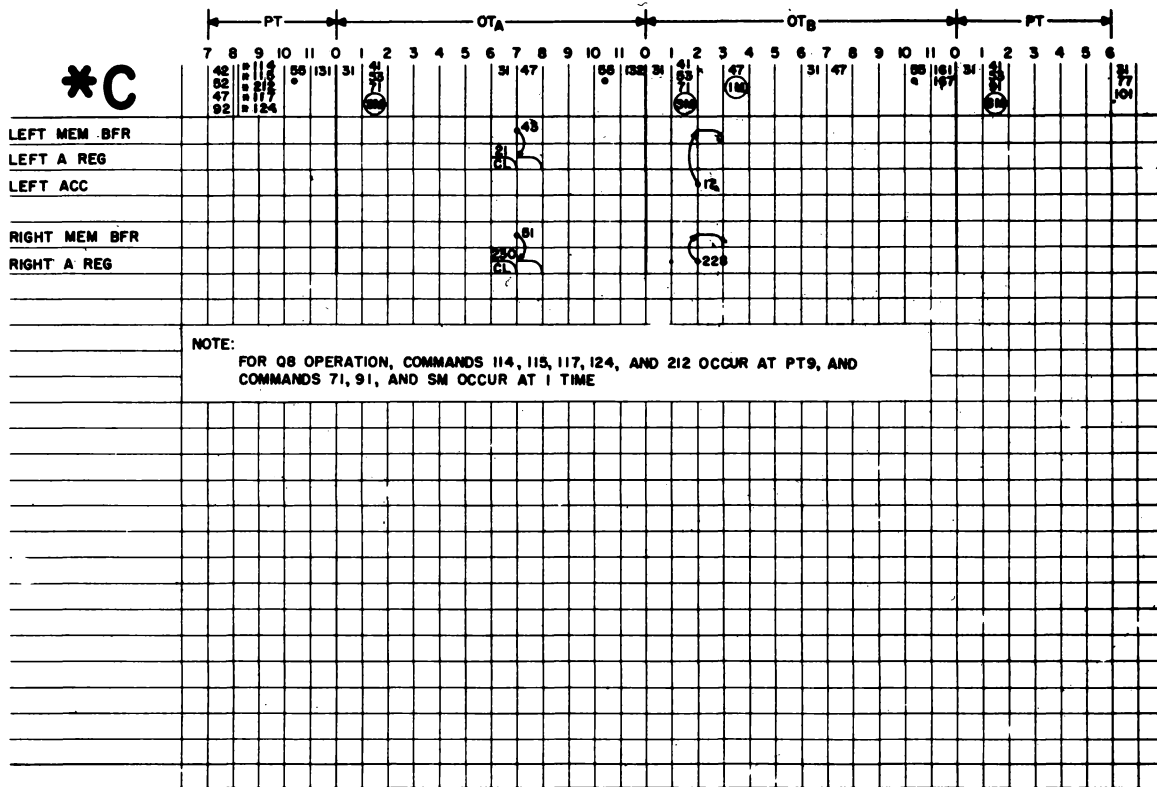
† EXECUTION OF A MULTIPLY CLASS ILLEGAL INSTRUCTION WILL CAUSE THE COMPUTER TO HANG UP SINCE THE PAUSE FF CANNOT BE CLEARED BY THE STEP COUNTER CONTROL CIRCUITS. TO TERMINATE THE COMPUTER HANG UP CONDITION A CONTROL CLEAR PULSE MUST BE GENERATED BY DEPRESSING EITHER THE RESET FF'S, CLEAR MEMORY, MASTER RESET, OR SELECT TEST MEMORY PUSHBUTTONS.

NOTE:

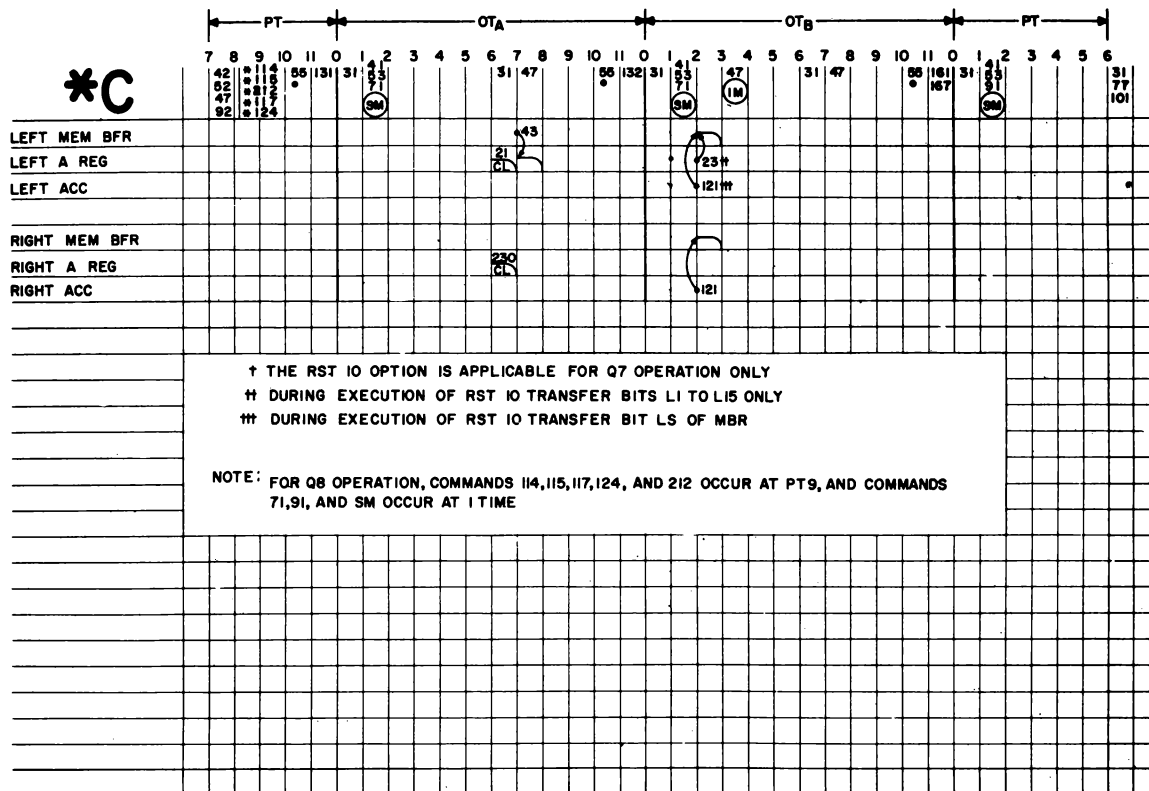
FOR Q8 OPERATION, COMMANDS 114, 115, 117, 124, AND 212 OCCUR AT PT 9, COMMANDS 71, 91, AND SM OCCUR AT 1 TIME, AND THE COMPUTER HANG UP CONDITION IS INITIATED 0.5 USEC LATER THAN SHOWN



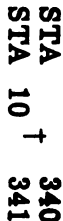
A-1.47



RST 334
RST 10 † 335

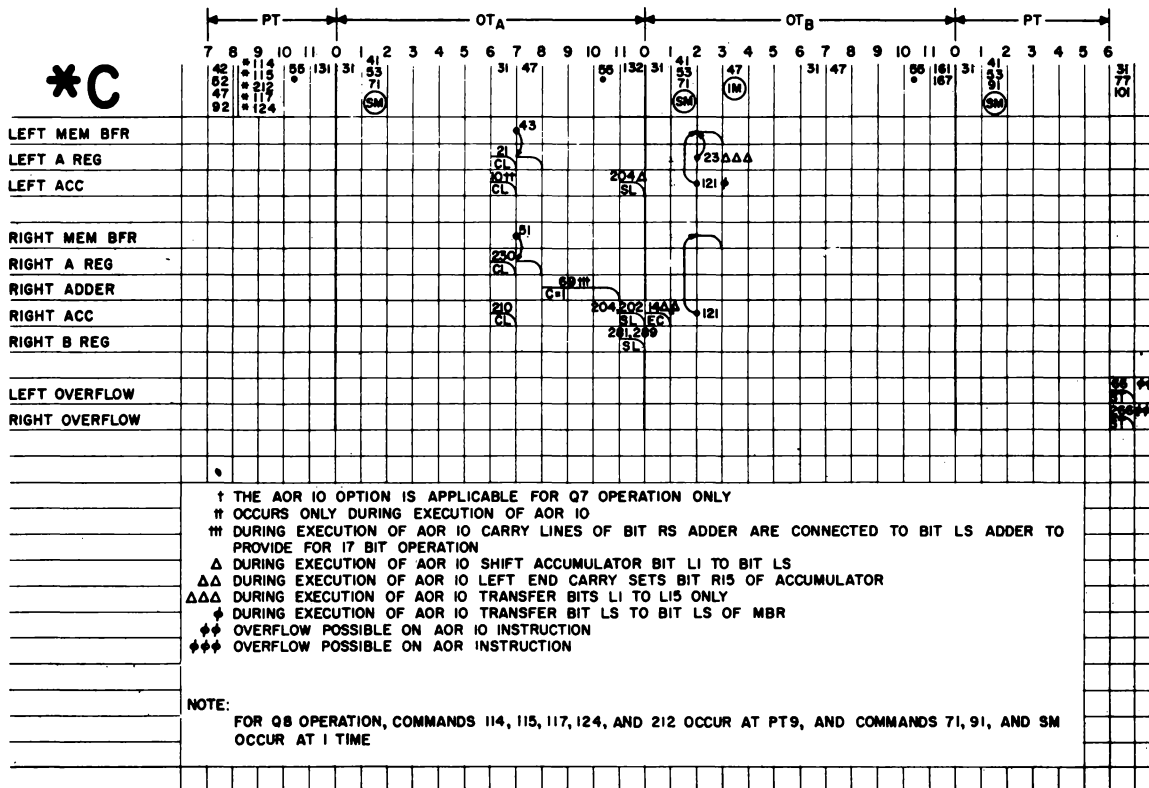


A-1.49



AOR 344
AOR 10 † 345

*C

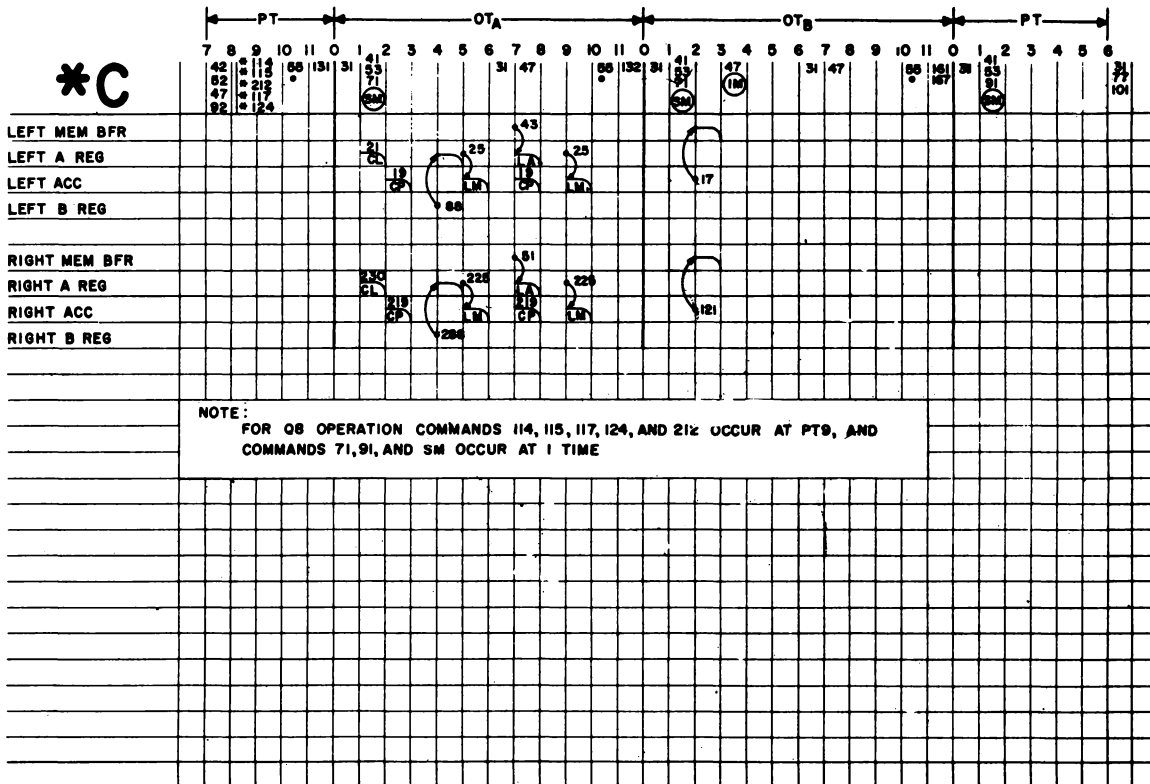


A-1.50

FOR Q8 OPERATION, COMMANDS 114, 115, 117, 124, AND 212 OCCUR AT PT9, AND COMMANDS 71, 91, AND SM OCCUR AT 1 TIME

A-1.51

*C



***C**

| Phase | Cycle | Command | Left MEM BFR | Left A REG | Notes |
|-------|-------|---------|--------------|------------|-------|
| PT | 7 | 114 | 42 | | |
| | 8 | 115 | 62 | | |
| | 9 | 212 | 47 | | |
| | 10 | 117 | 92 | | |
| OT_A | 11 | 124 | | | |
| | 12 | | | | SM |
| | 13 | | | | |
| | 14 | | | | |
| OT_B | 15 | | | | |
| | 16 | | | | |
| | 17 | | | | |
| | 18 | | | | |
| PT | 19 | | | | |
| | 20 | | | | |
| | 21 | | | | |
| | 22 | | | | |

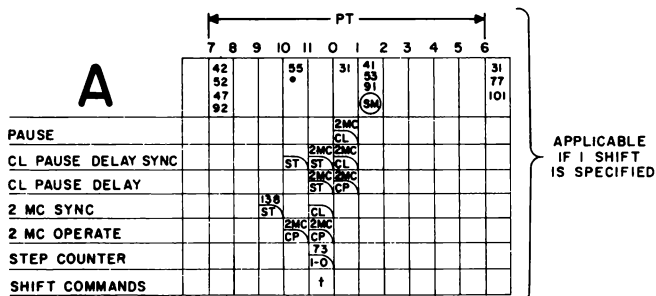
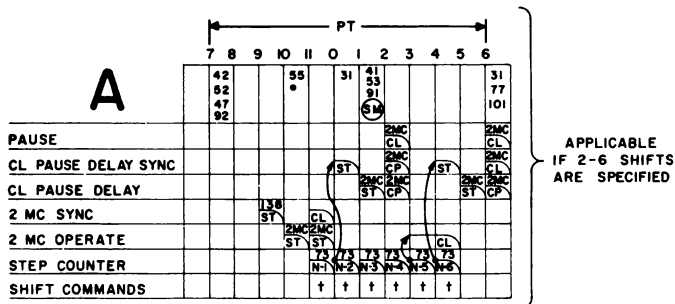
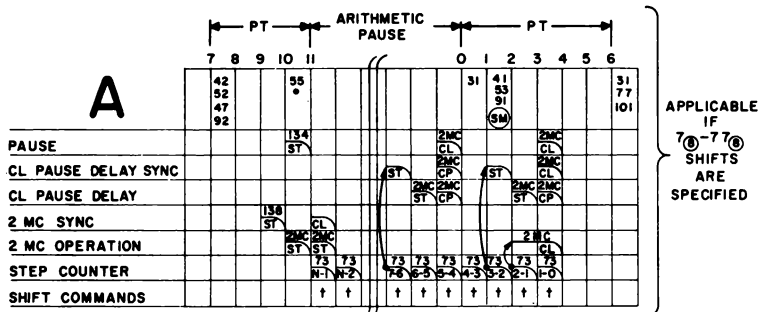
† EXECUTION OF A STORE CLASS ILLEGAL INSTRUCTION RESULTS IN CLEARING THE SPECIFIED MEMORY REGISTER

NOTE: FOR Q8 OPERATION, COMMANDS 114, 115, 117, 124, AND 212 OCCUR AT PT9, AND COMMANDS 71, 91, AND SM OCCUR AT I TIME

Store Class
Illegal 3

A-1.53

SHIFT CLASS BASIC COMMANDS

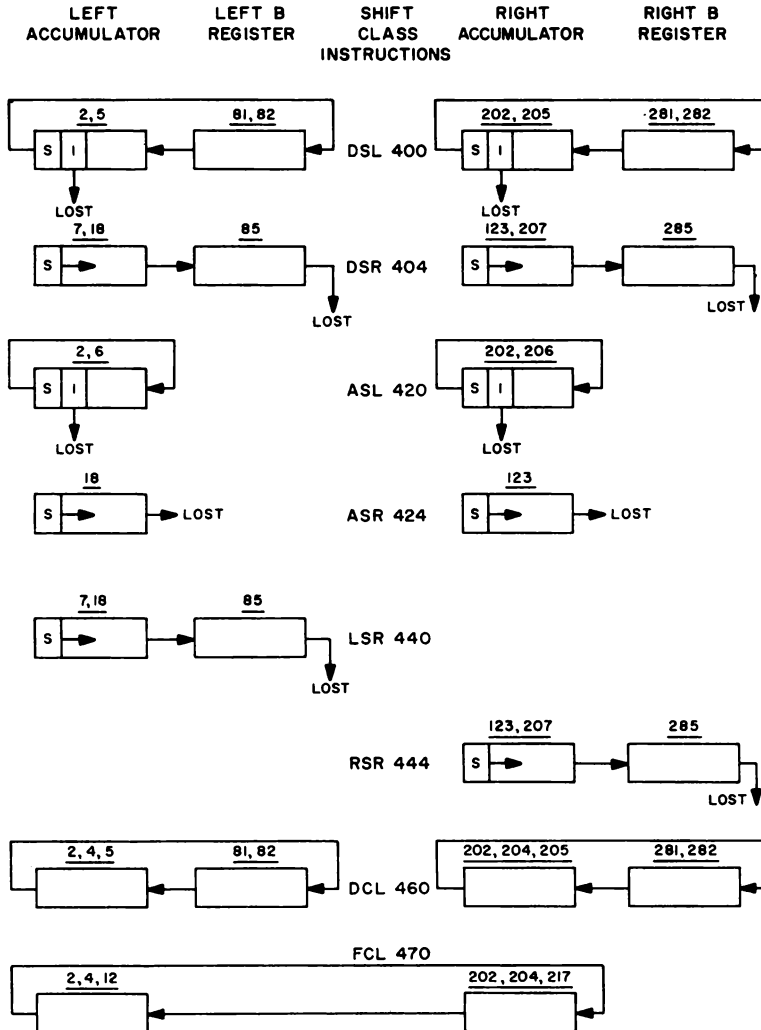


† INSERT APPLICABLE SHIFT COMMANDS NOTED IN ADJACENT CHART

NOTE:

FOR Q8 OPERATION, COMMANDS 91 AND SM OCCUR AT 1 TIME, AND THE ARITHMETIC PAUSE IS INITIATED AND TERMINATED 0.5 USEC LATER THAN SHOWN
ACTION TO CLEAR THE PAUSE FF IS INITIATED WHEN THE STEP COUNTER CONTENT IS REDUCED FROM 6 TO 5

SHIFT CLASS UNIQUE COMMANDS



| | 7 | 8 | 9 | 10 | 11 | ARITHMETIC PAUSE | | | | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | |
|---------------------|----|----|----|----|-----|------------------|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| A | 42 | 52 | 47 | 92 | 55 | | | | | | | | 31 | 41 | 53 | 9 | | | 31 |
| 2MC SYNC | | | | | 134 | 2MC | | | | | | | | | | | | | |
| 2MC OPERATION | | | | | ST | 2MC | 2MC | | | | | | | | | | | | |
| STEP COUNTER | | | | | | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | |
| PAUSE | | | | | | 134 | | | | | | | | | | | | | |
| CL PAUSE DELAY SYNC | | | | | | | | | | | | | | | | | | | |
| CL PAUSE DELAY | | | | | | | | | | | | | | | | | | | |

† SINCE NO LOGICAL OPERATION IS PERFORMED DURING THE EXECUTION OF ANY OF THESE INSTRUCTIONS, THEY MAY BE USED TO PROVIDE FOR A VARIABLE DELAY OF FROM 6.0 USEC TO 35.5 USEC IN PROGRAM EXECUTION

†† CONDITIONAL: IF STEP COUNTER CONTENT IS GREATER THAN 0

††† CONDITIONAL: IF STEP COUNTER CONTENT IS GREATER THAN 6

NOTE: FOR Q8 OPERATION, COMMANDS 91 AND SM OCCUR AT 1 TIME AND THE ARITHMETIC PAUSE IS INITIATED AND TERMINATED 0.5 USEC LATER THAN SHOWN

† SINCE NO LOGICAL OPERATION IS PERFORMED DURING THE EXECUTION OF ANY OF THESE INSTRUCTIONS, THEY MAY BE USED TO PROVIDE FOR A VARIABLE DELAY OF FROM 6.0 USEC TO 35.5 USEC IN PROGRAM EXECUTION

†† CONDITIONAL: IF STEP COUNTER CONTENT IS GREATER THAN 0

††† CONDITIONAL: IF STEP COUNTER CONTENT IS GREATER THAN 6

NOTE:

FOR Q8 OPERATION, COMMANDS 91 AND SM OCCUR AT 1 TIME AND THE ARITHMETIC PAUSE IS INITIATED AND TERMINATED 0.5 USEC LATER THAN SHOWN

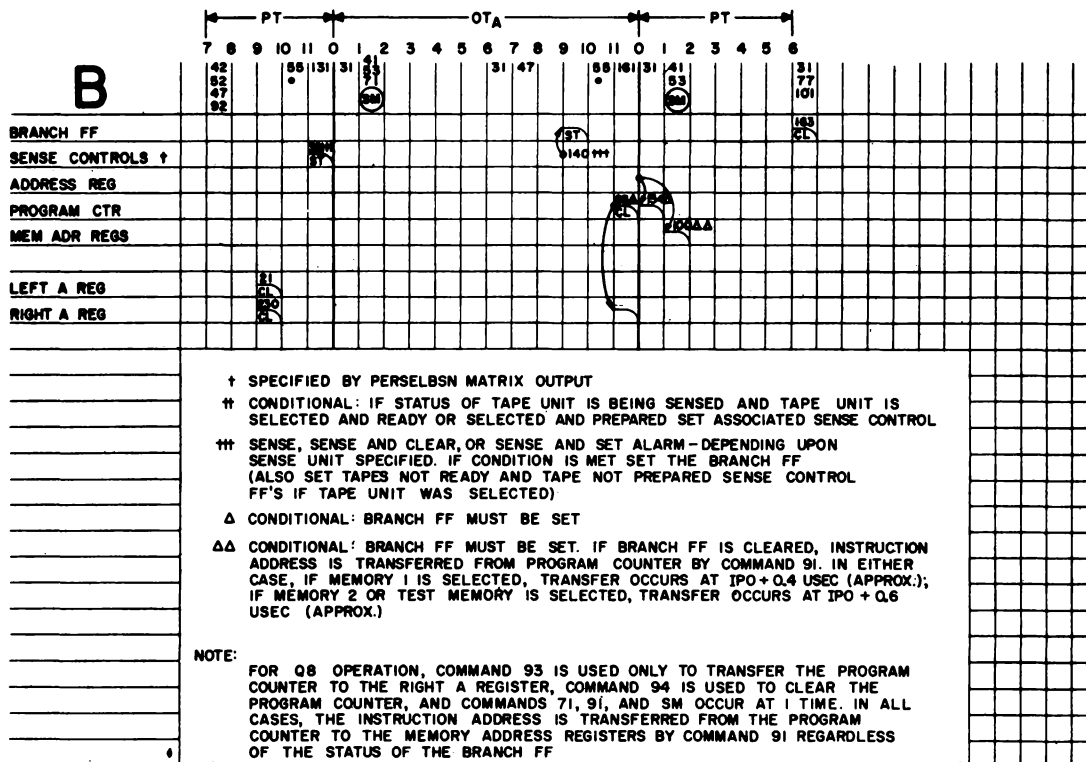
†† CONDITIONAL: BRANCH FF MUST BE SET

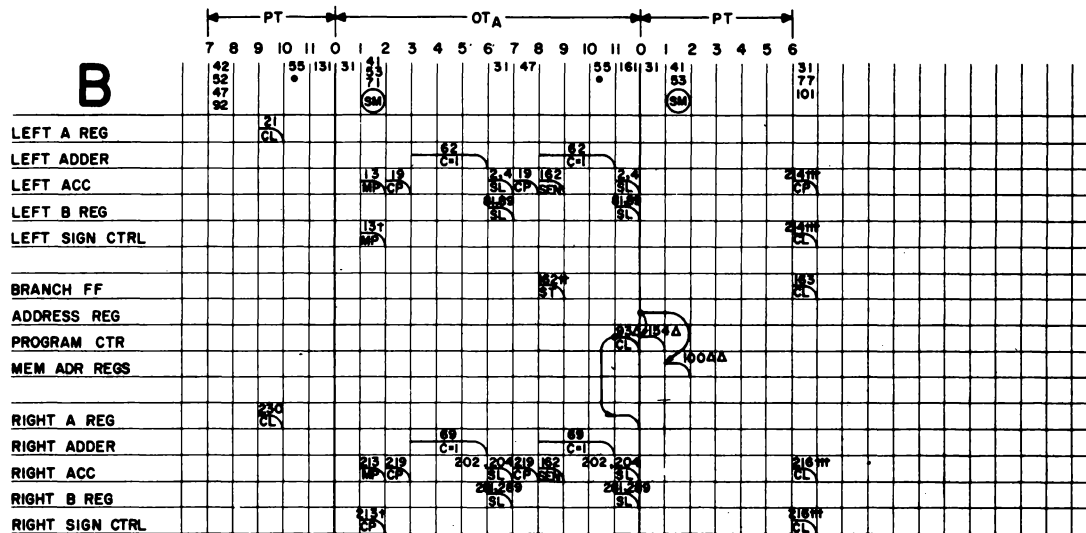
◆ SET BITS LS AND RS-R9 OF ADDRESS REGISTER AND TRANSFER COMPLEMENT OF INDEX INTERVAL REGISTER TO BITS RIO-R15 OF ADDRESS REGISTER

A CONDITIONAL: BRANCH FF MUST BE SET AND INDEX REGISTER MUST BE SELECTED

△△ CONDITIONAL: TRANSFER FROM ADDRESS REGISTER TO SELECTED INDEX REGISTER CAN ONLY OCCUR IF BIT LS OF ADDRESS REGISTER CONTAINS A 0

NOTE: FOR QB OPERATION, COMMAND 93 IS USED ONLY TO TRANSFER THE PROGRAM COUNTER TO THE RIGHT A REGISTER, COMMAND 94 IS USED TO CLEAR THE PROGRAM COUNTER, AND COMMANDS 91 AND 92 OCCUR AT 1 TIME. IN ALL CASES, THE INSTRUCTION ADDRESS IS TRANSFERRED FROM THE PROGRAM COUNTER TO THE MEMORY ADDRESS REGISTERS BY COMMAND 91 REGARDLESS OF THE STATUS OF THE BRANCH FF.





- † CONDITIONAL: IF ASSOCIATED ACCUMULATOR SIGN BIT CONTAINS A 1
 †† CONDITIONAL: SET BRANCH FF IF ACCUMULATOR BITS LS AND RS BOTH CONTAIN A 1
 ††† CONDITIONAL: IF ASSOCIATED SIGN CONTROL FF CONTAINS A 1
 Δ CONDITIONAL: BRANCH FF MUST BE SET
 ΔΔ CONDITIONAL: BRANCH FF IS CLEARED, INSTRUCTION ADDRESS IS TRANSFERRED FROM PROGRAM COUNTER BY COMMAND 91. IN EITHER CASE, IF MEMORY 1 IS SELECTED, TRANSFER OCCURS AT IPO+0.4 USEC (APPROX); IF MEMORY 2 OR TEST MEMORY IS SELECTED, TRANSFER OCCURS AT IPO+0.6 USEC (APPROX).

NOTE:

FOR Q8 OPERATION, COMMAND 93 IS USED ONLY TO TRANSFER THE PROGRAM COUNTER TO THE RIGHT A REGISTER, COMMAND 94 IS USED TO CLEAR THE PROGRAM COUNTER, AND COMMANDS 71, 91, AND SM OCCUR AT 1 TIME. IN ALL CASES, THE INSTRUCTION ADDRESS IS TRANSFERRED FROM THE PROGRAM COUNTER TO THE MEMORY ADDRESS REGISTERS BY COMMAND 91 REGARDLESS OF THE STATUS OF THE BRANCH FF

A

| Time (μs) | BRANCH FF | ADDRESS REG | PROGRAM CTR | MEM ADDR REGS |
|-----------|-----------|-------------|-------------|---------------|
| 7-8 | 42 | | | |
| 8-9 | 32 | | | |
| 9-10 | 47 | | | |
| 10-11 | 92 | | | |
| 11-12 | | | | |
| 12-13 | | | | |
| 13-14 | | | | |
| 14-15 | | | | |
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| 96-97 | | | | |
| 97-98 | | | | |
| 98-99 | | | | |
| 99-100 | | | | |

† CONDITIONAL: SET IF ACCUMULATOR BITS RS AND LS BOTH CONTAIN A 1
 †† CONDITIONAL: BRANCH FF MUST BE SET
 ††† CONDITIONAL: BRANCH FF MUST BE SET. IF BRANCH FF IS CLEARED, INSTRUCTION ADDRESS IS TRANSFERRED FROM PROGRAM COUNTER BY COMMAND 91. IN EITHER CASE, IF MEMORY 1 IS SELECTED, TRANSFER OCCURS AT $IPO + 0.4 \mu SEC$ (APPROX.); IF MEMORY 2 OR TEST MEMORY IS SELECTED, TRANSFER OCCURS AT $IPO + 0.6 \mu SEC$ (APPROX.)

NOTE:
 FOR Q8 OPERATION, COMMAND 93 IS USED ONLY TO TRANSFER THE PROGRAM COUNTER TO THE RIGHT A REGISTER, COMMAND 94 IS USED TO CLEAR THE PROGRAM COUNTER, AND COMMANDS 91 AND SM OCCUR AT I TIME. IN ALL CASES, THE INSTRUCTION ADDRESS IS TRANSFERRED FROM THE PROGRAM COUNTER TO THE MEMORY ADDRESS REGISTERS BY COMMAND 91 REGARD

† CONDITIONAL: SET IF ACCUMULATOR BITS RS AND LS BOTH CONTAIN A 1

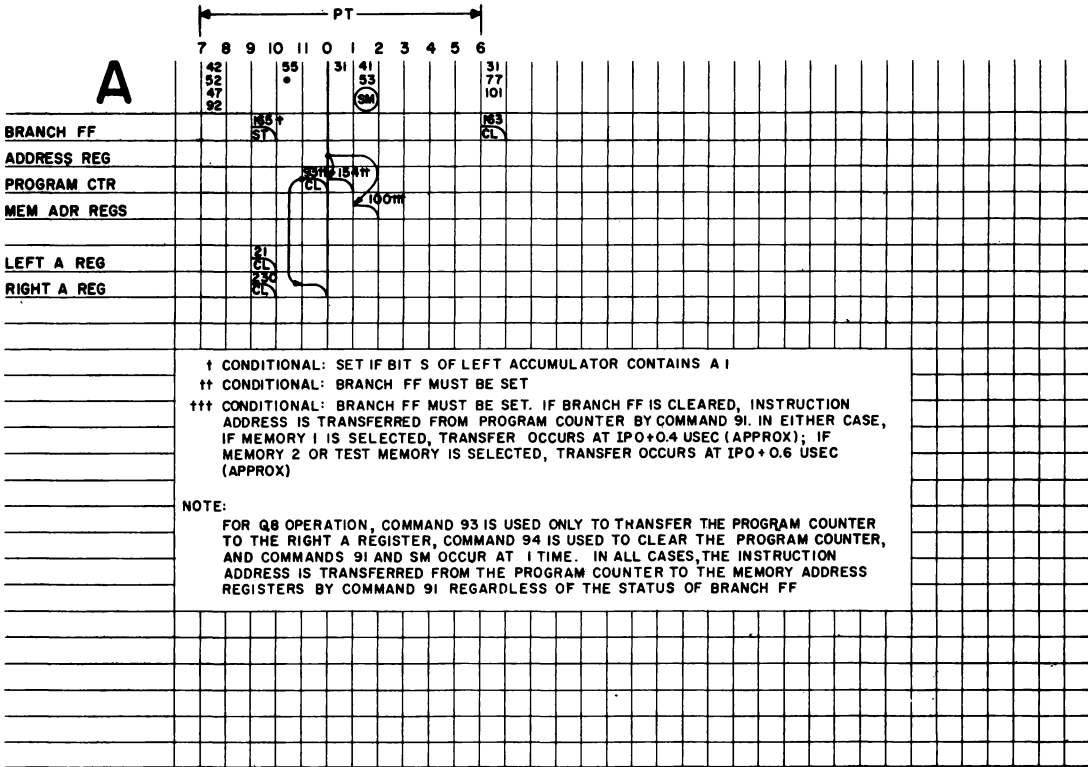
†† CONDITIONAL: BRANCH FF MUST BE SET

††† CONDITIONAL: BRANCH FF MUST BE SET. IF BRANCH FF IS CLEARED, INSTRUCTION ADDRESS IS TRANSFERRED FROM PROGRAM COUNTER BY COMMAND 9I. IN EITHER CASE, IF MEMORY I IS SELECTED, TRANSFER OCCURS AT IPO+0.4 USEC (APPROX.); IF MEMORY 2 OR TEST MEMORY IS SELECTED, TRANSFER OCCURS AT IPO+0.6 USEC (APPROX.)

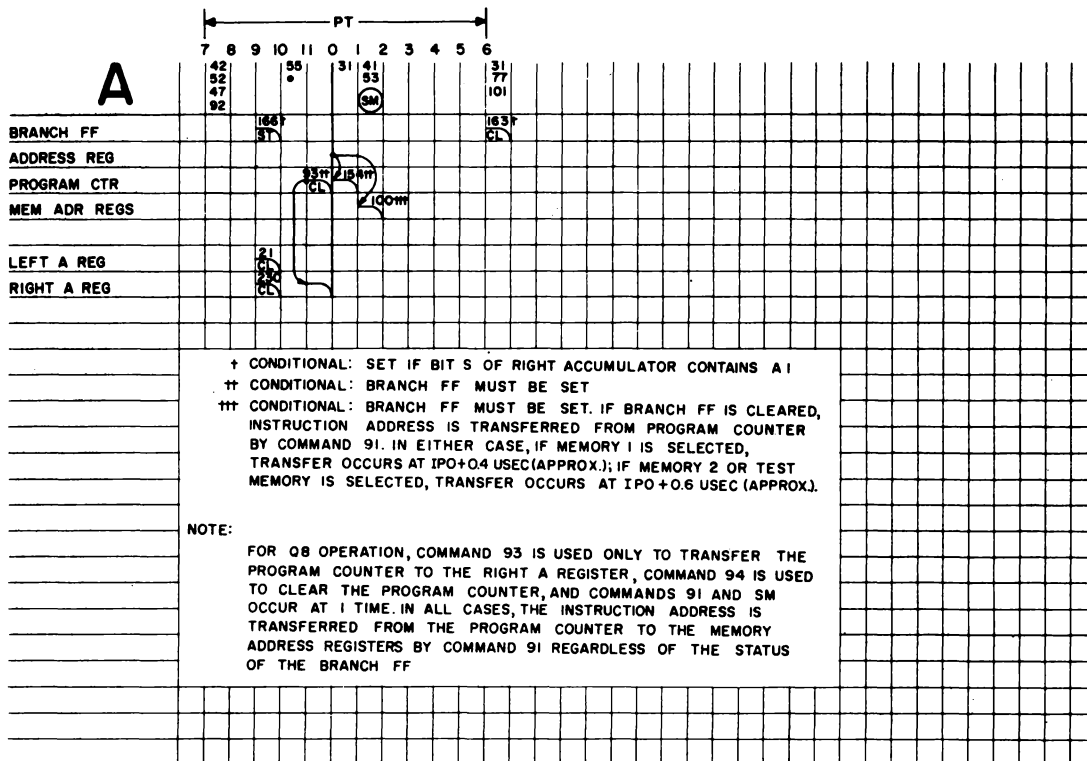
NOTE:

FOR Q8 OPERATION, COMMAND 93 IS USED ONLY TO TRANSFER THE PROGRAM COUNTER TO THE RIGHT A REGISTER, COMMAND 94 IS USED TO CLEAR THE PROGRAM COUNTER, AND COMMANDS 91 AND 5M OCCUR AT 1 TIME. IN ALL CASES, THE INSTRUCTION ADDRESS IS TRANSFERRED FROM THE PROGRAM COUNTER TO THE MEMORY ADDRESS REGISTERS BY COMMAND 91 REGARDLESS OF THE STATUS OF THE BRANCH FF

A-1.61

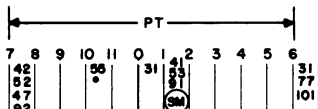


A



A-1.62

A



LEFT A REG

RIGHT A REG

† EXECUTION OF A BRANCH CLASS ILLEGAL INSTRUCTION RESULTS IN THE CLEARING OF THE LEFT AND RIGHT A REGISTERS

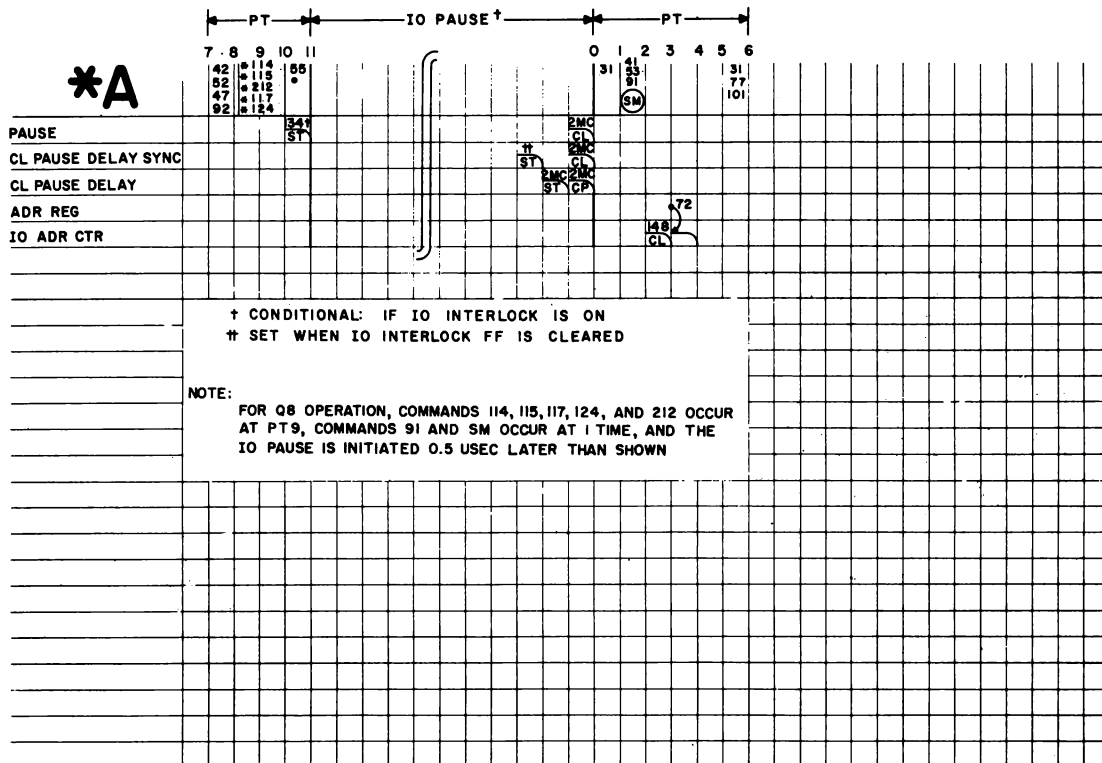
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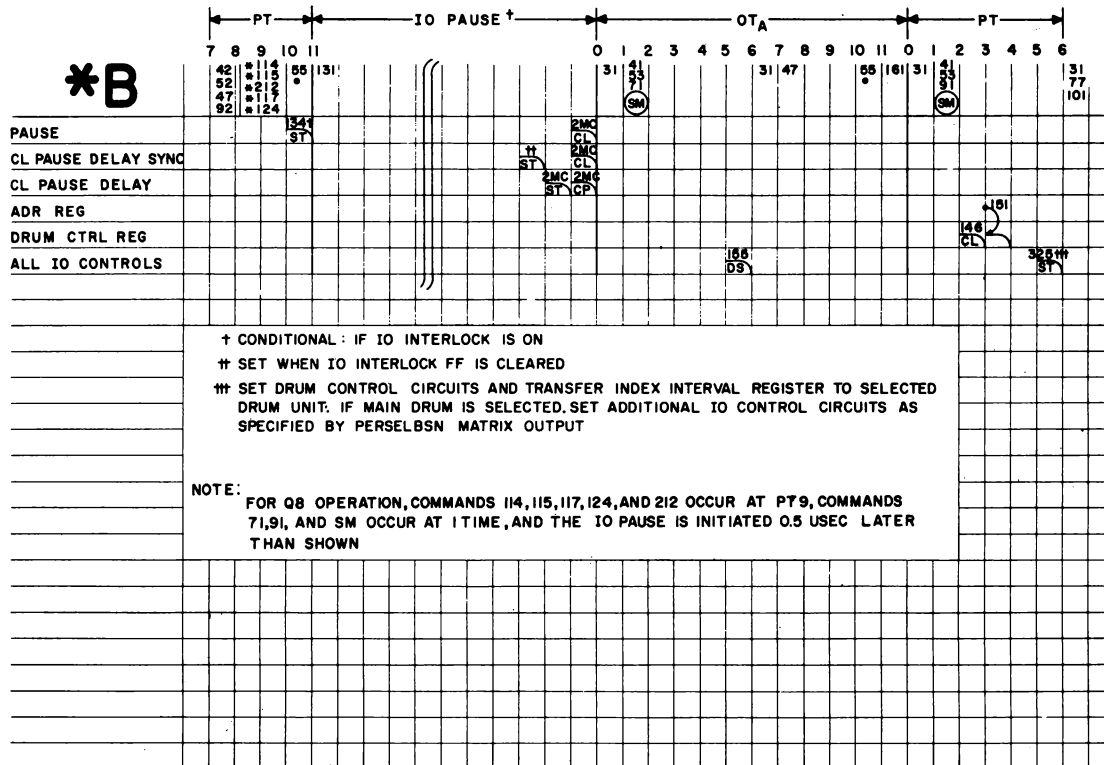
FOR Q8 OPERATION, COMMANDS 91 AND SM OCCUR AT 1 TIME

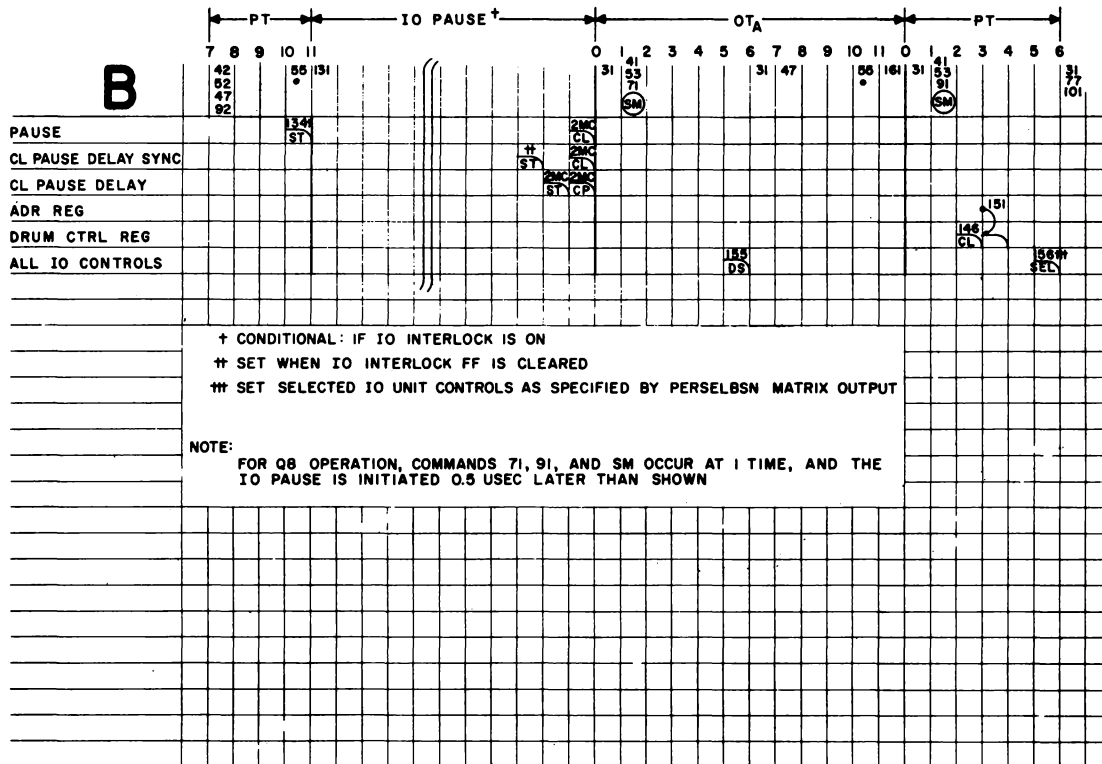
A-1.63

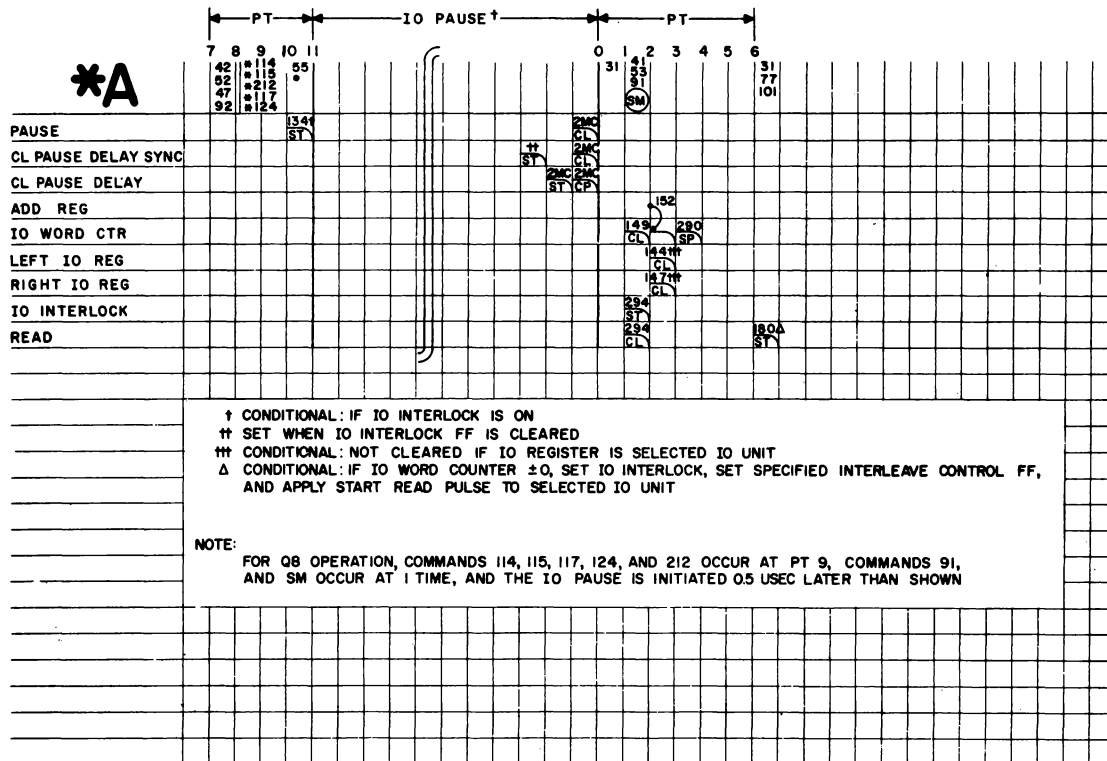
Branch Class
Illegal 5

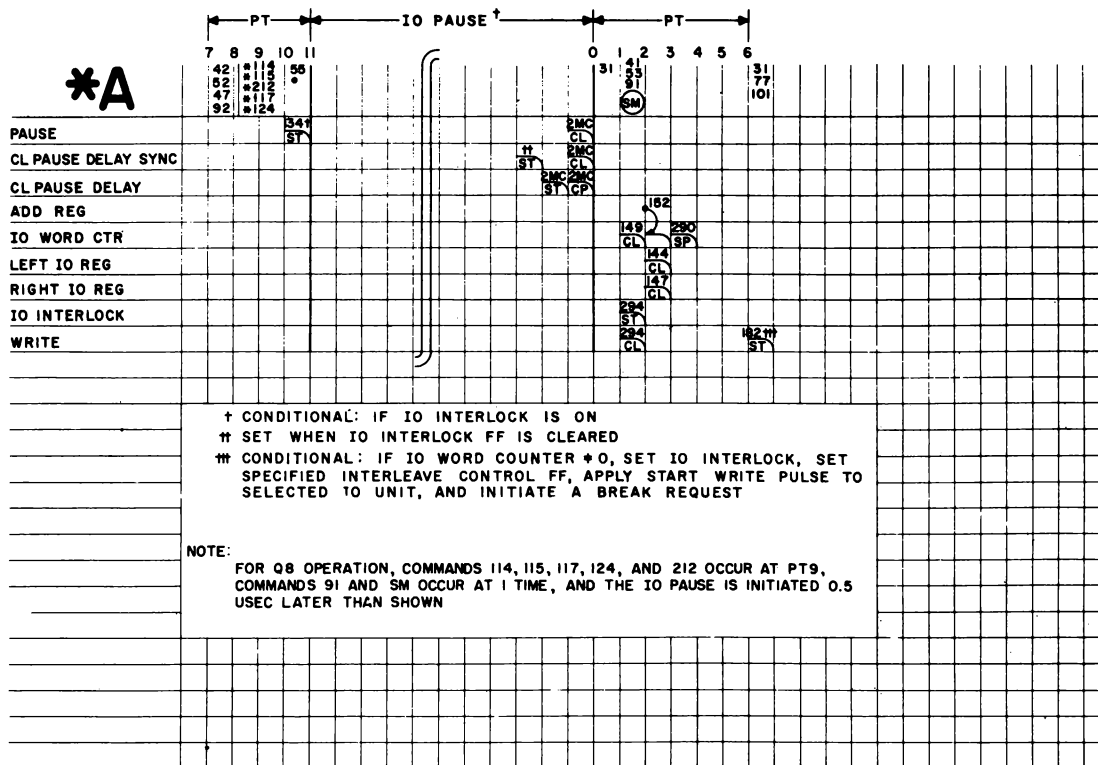
***A**

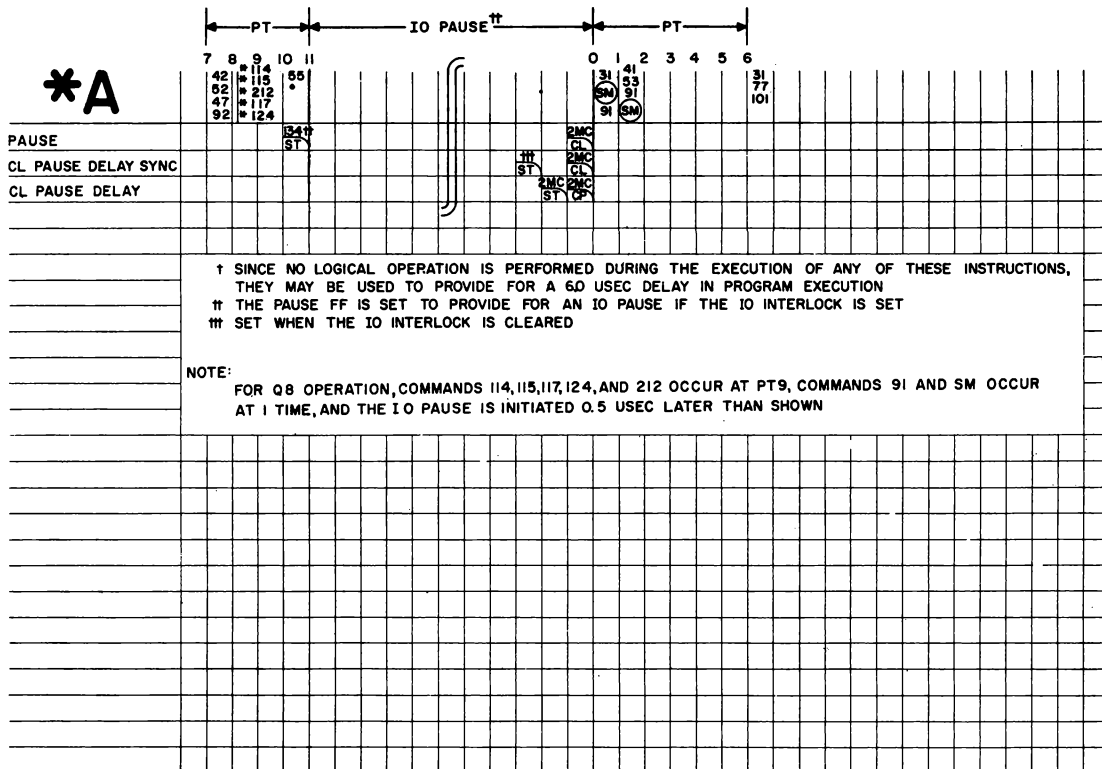




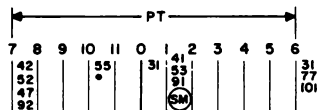








A



ADDRESS REG

IX REG NO. 1

IX REG NO. 2

IX REG NO. 4

IX REG NO. 5

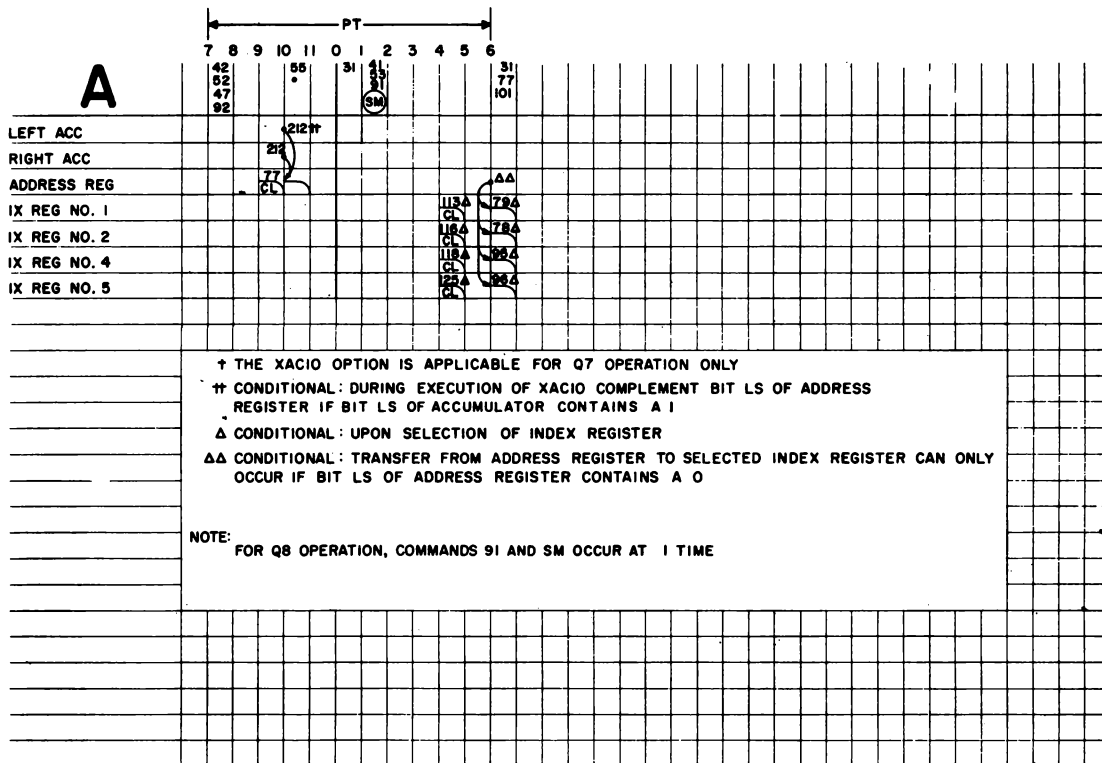
† CONDITIONAL : UPON SELECTION OF INDEX REGISTER

 †† CONDITIONAL : TRANSFER FROM ADDRESS REGISTER TO SELECTED INDEX REGISTER
 CAN ONLY OCCUR IF BIT LS OF ADDRESS REGISTER CONTAINS A 0

NOTE:

FOR Q8 OPERATION, COMMANDS 91 AND SM OCCUR AT 1 TIME

A-1.71



XAC 10[†] 764
 765

A

RIGHT A REG

ADDRESS REG

IX REG NO. 1

IX REG NO.2

IX REG NO. 3

IX REG NC. 4

IX REG NO. 5

AD

154 t

1151

224

| | |
|-----|--|
| 221 | |
|-----|--|

1178

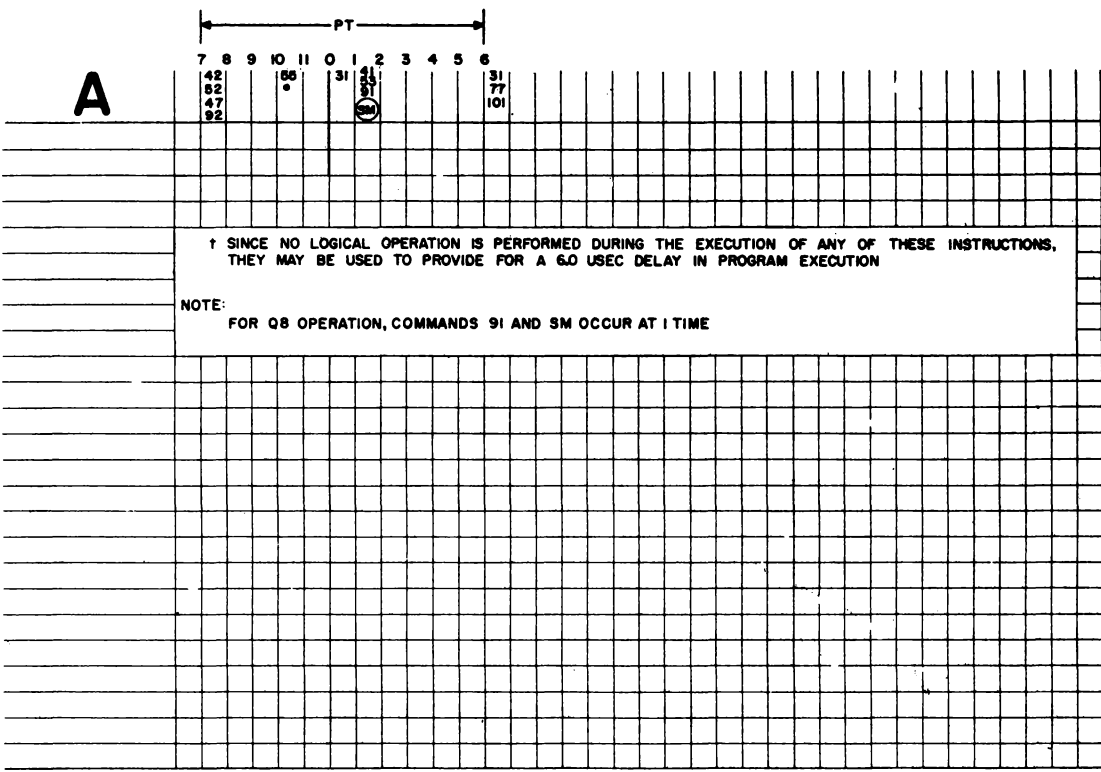
1241

† CONDITIONAL: TRANSFER OCCURS
IF INDEX REGISTER IS SELECTED

NOTE:
FOR QB OPERATION, COMMANDS 9I AND SM OCCUR
AT 1 TIME

A-1.72

Reset Class
Illegal 7
NO P



A-1.73

A

Appendix A

SECTION A - 2

COMMAND INDEX - NUMERIC

APPENDIX A

| Command Number | Block Schematic Number | Zone | Terminal Designation | Command Name |
|----------------|------------------------|------|----------------------|---------------------------------|
| A | 0.1.4 | 5B | 4DUG2 | Inhibit Sample #2 |
| A6 | 0.2.6 | 5B | 4DTA6 | Clock Reg to R Mem Bfr |
| B | 0.4.1 | 6E | 6DDJ1 | Start Core Mem #2 |
| C | 0.1.3 | 2B | 4DUJ3 | Clear L Test Reg |
| D | 0.1.1 | 9E | 4DVJ3 | L Mem Bfr to L Test Reg |
| F | 0.1.3 | 3A | 4DVA2 | Test Mem to Mem Bfr |
| G | 0.1.3 | 2B | 4DUJ1 | Clear R Test Reg |
| H | 0.1.2 | 8E | 4DVJ1 | R Mem Bfr to Test Reg |
| 1 | 0.5.1-2 | 18E | 4GYA7 | L Acc to L B Reg |
| 2 | 0.5.1-2 | 21E | 4GYC6 | L Acc (2-15) to (1-14) |
| 4 | 0.5.1-2 | 21E | 4GYH6 | L Acc 1 to 8 |
| 5 | 0.5.1-2 | 18D | 4FVG2 | L Acc 8 to L B Reg 15 |
| 6 | 0.5.1-2 | 18D | 4GXE6 | L Acc 8 to L15 |
| 7 | 0.5.1-2 | 1D | 4FTC7 | L Acc 15 to L B Reg 8 |
| 9 | 0.5.1-2 | 21C | 4GXA2 | L Correct Sign |
| 10 | 0.5.1-2 | 21B | 4FUJ1 | Clear L Acc |
| 11 | 0.5.1 | 4C | 4ENA7 | Correct L Remainder |
| 12 | 0.5.1-2 | 18D | 4FVA2 | L Acc 8 to R Acc 15 |
| 13 | 0.5.1-2 | 21B | 4FUJ3 | Make L Acc positive |
| 14 | 0.5.2-2 | 18C | 3EEA8 | R End Carry - AOR |
| 16 | 0.5.1-2 | 21D | 4FVJ1 | Make L Acc & L B Reg Pos |
| 17 | 0.5.1-2 | 19E | 4FWG3 | L Acc to L Mem Bfr |
| 18 | 0.5.1-2 | 1D | 4FTA3 | Ripple L Acc Right |
| 19 | 0.5.1-2 | 21B | 4FUC6 | Complement L Acc |
| 20 | 0.5.2-2 | 22C | 4FVF6 | Make R Acc & R B Reg Pos |
| 21 | 0.5.1 | 4B | 4EMH6 | Clear L A Reg |
| 22 | 0.5.1 | 4D | 4EMA7 | Make L A Reg positive |
| 23 | 0.5.1 | 5D | 4ELA6 | L A Reg to L Mem Bfr |
| 25 | 0.5.1 | 4D | 4EMJ1 | L Logical Multiply |
| 26 | 0.5.1 | 4B | 4EMJ3 | Complement L A Reg |
| 31 | 0.1.4 | 5B | 4DVF6 | Clear Mem Adr Reg Mem II |
| 31 | 0.2.1.4 | 11B | 6TAA6 | Clear Mem Adr Reg Mem I |
| 32 | 0.4.1 | 6E | 6DDH6 | Start Core Mem #1 |
| 33 | 0.1.4 | 5C | 4DUH6 | Inhibit Sample #1 |
| 39 | 0.1.1 | 8D | 4DYA7 | L Mem Bfr to L B Reg |
| 40 | 0.1.2 | 7C | 4DYA2 | R Mem Bfr to R B Reg |
| 41 | 0.1.1 | 9A | 4DYJ3 | Clear L Mem Bfr |
| 42 | 0.1.1 | 8D | 4DXH7 | L Mem Bfr to Oper Reg |
| 43 | 0.1.1 | 8D | 4DXG3 | L Mem Bfr to L A Reg |
| 44 | 0.1.1 | 8D | 4DXH3 | L Mem Bfr to R A Reg |
| 47 | 0.1.2 | 1B | 4DYF6 | Parity Count |
| 51 | 0.1.2 | 8D | 4DXE7 | R Mem Bfr to R A Reg |
| 52 | 0.1.2 | 8D | 4DXB4 | R Mem Bfr to Adr Reg |
| 53 | 0.1.2 | 8B | 4DYJ1 | Clear R Mem Bfr |
| 55 | 0.1.1 | 9C | 4DXA3 | Parity Check |
| 60 | 0.5.1-2 | 18A | 4ESF6 | L Acc Conditional Shift L |
| 61 | 0.5.1-2 | 18A | 4ESE6 | Make L A Reg & Acc Signs Unlike |
| 62 | 0.5.1-2 | 1A | 4ESJ1 | L Carry One |
| 63 | 0.5.1-2 | 18A | 4ESA2 | L End Carry |
| 64 | 0.5.1-2 | 1A | 4ESJ3 | L Carry Zero |
| 66 | 0.5.1-2 | 22B | 4ETF6 | Record L Overflow |
| 67 | 0.5.1-2 | 17A | 4ETJ1 | Compl L Divide Connect FF |
| 69 | 0.5.2-2 | 1B | 4ESH6 | R Carry One |
| 71 | 0.4.1 | 13C | 4EHC7 | Adr Reg to Mem Adr Reg |
| 72 | 0.4.1 | 13C | 4EHH3 | Adr Reg to I/O Adr Ctr |
| 73 | 0.5.3 | 2D | 4FPA6 | Subt One from Step Ctr |
| 74 | 0.5.3 | 3B | 4FNE6 | Set Step Ctr to 17 |
| 75 | 0.5.3 | 3B | 4FNG2 | Set Step Ctr to 15 |
| 76 | 0.4.1 | 13C | 4EEJ3 | Adr Reg to R A Reg |
| 77 | 0.4.1 | 13B | 4EJC6 | Clear Adr Reg |
| 78 | 0.4.1 | 12E | 4EKH3 | Adr Reg to IX Reg #2 |
| 79 | 0.4.1 | 12E | 4EKG3 | Adr Reg to IX Reg #1 |
| 80 | 0.5.3 | 2C | 4FNA7 | Partial Quotient |
| 81 | 0.5.1-3 | 6E | 4FJH6 | L B Reg 8 to L Acc 15 |
| 82 | 0.5.1-3 | 6D | 4FJE6 | L B Reg (-1-15) to (8-14) |
| 83 | 0.5.1-3 | 7C | 4FKA7 | L Partial Product |
| 84 | 0.5.1-3 | 7A | 4FKJ1 | Clear L B Reg |

APPENDIX A (cont'd)

| Command Number | Block Schematic Number | Zone | Terminal Designation | Command Name |
|----------------|------------------------|------|----------------------|--|
| 85 | 0.5.1-3 | 6D | 4FJF6 | L B Reg (8-14) to (1-15) |
| 87 | 0.5.1-3 | 6E | 4FJA2 | L Round (SLR) |
| 88 | 0.5.1-3 | 6D | 4FJJ1 | L B Reg to L A Reg |
| 89 | 0.5.1-3 | 7B | 4FKC6 | L B Reg Stor to L B Reg S |
| 91 | 0.4.1 | 5A | 4EHB4 | Prog Ctr to Mem Adr Reg |
| 92 | 0.4.1 | 1B | 4EHA3 | Add One to Prog Cts |
| 93 | 0.4.1 | 5C | 4EKE7 | Prog Ctr to R A Reg |
| 94 | 0.4.1 | 4B | 6GEA2 | Clear Prog Ctr |
| 95 | 0.4.1 | 12E | 4EKH7 | Adr Reg to IX Reg #4 |
| 96 | 0.4.1 | 12E | 4EKJ3 | Adr Reg to IX Reg #5 |
| 97 | 0.6.2 | 8A | 4FLJ3 | Clear L-10 bit Storage FF |
| 98 | 0.1.1 | 7E | 4EJJ3 | SPC-Test Mem Bfr |
| 99 | 0.6.2 | 4D | 4JTH7 | Compare-Acc & A Reg |
| 101 | 0.2.4 | 5B | 4FFA6 | Clear Oper Reg |
| 102 | 0.6.1 | 13B | 4FLG3 | Set IX Int Bfts (10 & 11) |
| 90 | 0.6.2 | 8C | 5EEH7 | Step Prog Ctr X2 (ttb) |
| 100 | 0.4.1 | 12D | 4EKA6 | Adr Reg to MAR (pt. Branch) |
| 100 | 0.4.1 | 14B | 4EWH7 | Adr Reg to MAR (pt. Branch) |
| 103 | 0.4.1 | 6A | 4FEF6 | IX Int Compl to Adr Reg |
| 104 | 0.7.5 | 7A | 4FDC7 | Sense Operate Gate Tubes |
| 113 | 0.4.2 | 5E | 4EGE7 | Clear IX Reg #1 |
| 114 | 0.4.2 | 4E | 4EFC6 | IX Reg #1 to Adr Reg |
| 115 | 0.4.2 | 4D | 4EFF6 | IX Reg #2 to Adr Reg |
| 116 | 0.4.2 | 5C | 4EGG3 | Clear IX Reg #2 |
| 117 | 0.4.2 | 4C | 4EFJ1 | IX Reg #4 to Adr Reg |
| 118 | 0.4.2 | 5B | 4EGH3 | Clear IX Reg #4 |
| 119 | 0.4.2 | 5B | 4EGB4 | Test IX #4-'0' in Sign |
| 121 | 0.5.2-2 | 19E | 4FVC6 | R Acc to R Mem Bfr |
| 123 | 0.5.2-2 | 1D | 4FYH3 | Ripple R Acc Right |
| 124 | 0.4.2 | 4B | 4EFJ3 | IX Reg #5 to Adr Reg |
| 125 | 0.4.2 | 5A | 4EGH7 | Clear IX Reg #5 |
| 126 | 0.4.2 | 5A | 4EGJ3 | Test IX #5 '0' in Sign |
| 131 | 0.3.1 | 3B | 4FMA6 | Set PT-OT FF to OT |
| 132 | 0.3.1 | 3B | 4FMB4 | Set A-B FF to B |
| 134 | 0.2.2 | 8B | 4FFG3 | Set Pause FF |
| 138 | 0.5.3 | 8D | 4FNF6 | Set 2MC Sync FF |
| 140 | 0.7.4 | 3D | 4FDH3 | Sense Pulse (BSN) |
| 144 | 0.7.1 | 7C | 4EXA7 | Clear L I/O Reg |
| 146 | 0.7.2 | 12D | 4EWF7 | Clear Drum Ctrl Reg |
| 147 | 0.7.2 | 16C | 4EXE6 | Clear R I/O Reg |
| 148 | 0.4.1 | 1E | 4EWA3 | Clear I/O Adr Ctr |
| 149 | 0.7.3 | 5A | 4EWA7 | Clear I/O Wd Ctr |
| 151 | 0.4.1 | 13D | 4EHH7 | Adr Reg to Dr Ctrl Reg |
| 152 | 0.4.1 | 13C | 4EHG3 | Adr Reg Compl to I/O Wd Ctr |
| 153 | 0.7.3 | 5B | 4EWH1 | I/O Wd Ctr to R Acc |
| 154 | 0.4.1 | 13D | 4EHA6 | Adr Reg to Prog Ctr |
| 155 | 0.7.5 | 6A | 4FEA7 | Deselect Pulse |
| 156 | 0.7.5 | 7A | 4FDB4 | Select Pulse |
| 157 | 0.7.3 | 8A | 4FTJ3 | Clear CSW Gate FF & Set CSW Control FF |
| 161 | 0.3.1 | 3B | 4FPA3 | Clear PT-OT FF to PT |
| 162 | 0.5.2-2 | 19D | 4GYF6 | Test R & L Acc S Bfts for "1" |
| 163 | 0.3.1 | 2B | 4FME7 | Clear Branch FF |
| 164 | 0.4.2 | 5E | 4EGA6 | Test IX Reg #1-'0' in Sign |
| 165 | 0.5.1-2 | 21D | 4FYJ3 | Test L Acc S Bit for "1" |
| 166 | 0.5.2-2 | 22D | 4FYG3 | Test R Acc S Bit for "1" |
| 167 | 0.3.1 | 4B | 4FPC7 | Clear A-B FF to A |
| 170 | 0.3.1 | 3B | 4FFH3 | Set Branch FF |
| 174 | 0.4.2 | 5D | 4EGA3 | Test IX #2-'0' in Sign |
| 180 | 0.7.3 | 8C | 4FDH7 | PT -6 Start Read |
| 182 | 0.7.3 | 8C | 4FDJ3 | PT -6 Start Write |
| 201 | 0.5.2-2 | 19E | 4GYA2 | R Acc to R B Reg |
| 202 | 0.5.2-2 | 21E | 4GXC6 | R Acc (2-15) to (1-14) |
| 204 | 0.5.2-2 | 21D | 4GXH6 | R Acc 1 to S |
| 205 | 0.5.2-2 | 18D | 4FVE6 | R Acc S to R B Reg 15 |
| 206 | 0.5.2-2 | 19C | 4GXG2 | R Acc S to 15 |
| 207 | 0.5.2-2 | 1D | 4FYH7 | R Acc 15 to R B Reg S |
| 209 | 0.5.2-2 | 22C | 4GXA7 | R Correct Sign |

APPENDIX A (cont'd)

| Command Number | Block Schematic Number | Zone | Terminal Designation | Command Name |
|----------------|------------------------|------|----------------------|---------------------------------|
| 210 | 0.5.2-2 | 21B | 4FVH6 | Clear R Acc |
| 211 | 0.5.2 | 6D | 4ENA2 | Correct R Remainder |
| 212 | 0.5.2-2 | 21E | 4FVJ3 | R Acc to Adr Reg |
| 213 | 0.5.2-2 | 22B | 4FVH6 | Make R Acc Positive |
| 214 | 0.5.1-2 | 21B | 4FUA2 | L Acc Sign Correction |
| 216 | 0.5.2-2 | 22B | 4FUG2 | R Acc Sign Correction |
| 217 | 0.5.2-2 | 18D | 4FVA7 | R Acc S to L Acc 15 |
| 219 | 0.5.2-2 | 22B | 4FNC6 | Complement R Acc |
| 225 | 0.5.2 | 7D | 4EMF6 | R Logical Multiply |
| 226 | 0.5.2 | 6B | 4EME6 | Complement R A Reg |
| 228 | 0.5.2 | 6D | 4ELE7 | R A Reg to R Mem Bfr |
| 229 | 0.5.2 | 7D | 4EMA2 | Make R A Reg Pos |
| 230 | 0.5.2 | 6B | 4EMC6 | Clear R A Reg |
| 260 | 0.5.2-2 | 19B | 4ESG2 | R Acc Conditional Shift L |
| 261 | 0.5.2-2 | 20A | 4ESC6 | Make R A Reg & Acc Signs Unlike |
| 263 | 0.5.2-2 | 19B | 4ESA7 | R End Carry |
| 264 | 0.5.2-2 | 1B | 4ETA7 | R Carry Zero |
| 266 | 0.5.2-2 | 20A | 4ETE6 | Record R Overflow |
| 267 | 0.5.2-2 | 20A | 4ETG2 | Compl R Divide Connect FF |
| 270 | 0.2.2 | 4A | 4FPJ3 | Clear Continue FF |
| 281 | 0.5.2-3 | 6E | 4FJC6 | R B Reg S to R Acc 15 |
| 282 | 0.5.2-3 | 6D | 4FJG2 | R B Reg (1-15) to (8-14) |
| 283 | 0.5.2-3 | 7D | 4FKA2 | R Partial Product |
| 284 | 0.5.2-3 | 7A | 4FKF6 | Clear R B Reg |
| 285 | 0.5.2-3 | 7D | 4FJJ3 | R B Reg (8-14) to (1-15) |
| 287 | 0.5.2-3 | 6E | 4FJA7 | R Round (SLR) |
| 288 | 0.5.2-3 | 7C | 4FKJ3 | R B Reg to R A Reg |
| 289 | 0.5.2-3 | 7B | 4FKH6 | R B Reg Stor to R B Reg S |
| 290 | 0.7.3 | 5D | 4EWC7 | Step I/O Wd Ctr if = "0" |
| 294 | 0.3.1 | 2B | 4FDG3 | Set I/O Interlock |
| 321 | 0.7.8 | 4C | 4FEA2 | Sense Tapes for Not Ready |
| 325 | 0.7.7 | 9B | 4FFA3 | Select Pulse for Drums |

Appendix A

SECTION A-3

COMMAND INDEX - ALPHABETIC

COMMAND INDEX

-A-

| COMMAND | NO. | LOGIC | ZONE |
|-----------------------------|-----|-------|-------------|
| Add 1 to Program Ctr | 92 | 0.4.1 | 1 B |
| Adr Reg Comp to I/O Wd Ctr | 152 | 0.4.1 | 13 C |
| Adr Reg to Drum Control Reg | 151 | 0.4.1 | 13 D |
| Adr Reg to Index Reg #1 | 79 | 0.4.1 | 12 E |
| Adr Reg to Index Reg #2 | 78 | 0.4.1 | 12 E |
| Adr Reg to Index Reg #4 | 95 | 0.4.1 | 12 E |
| Adr Reg to Index Reg #5 | 96 | 0.4.1 | 12 E |
| Adr Reg to I/O Adr Ctr | 72 | 0.4.1 | 13 C |
| Adr Reg to MAR | 71 | 0.4.1 | 13 C |
| Adr Reg to Program Ctr | 154 | 0.4.1 | 13 D |
| Adr Reg to Right A Reg | 76 | 0.4.1 | 13 C |
| Adr Reg to MAR | 100 | 0.4.1 | 12 D & 14 B |

-C-

| | | | |
|---|-----|---------|------|
| Clr A-B FF to A | 167 | 0.3.1 | 4 B |
| Clr Adr Reg | 77 | 0.4.1 | 13 B |
| Clr Branch FF | 163 | 0.3.1 | 2 B |
| Clr Continue FF | 270 | 0.2.2 | 4 A |
| Clr CSW Gate FF & Set CSW Control FF | 157 | 0.7.3 | 8 A |
| Clr Drum Control Reg | 146 | 0.7.2 | 12 D |
| Clr IX Reg #1 | 113 | 0.4.2 | 5 E |
| Clr IX Reg #2 | 116 | 0.4.2 | 5 C |
| Clr IX Reg #4 | 118 | 0.4.2 | 5 B |
| Clr IX Reg #5 | 125 | 0.4.2 | 5 A |
| Clr IO Adr Ctr | 148 | 0.4.1 | 1 E |
| Clr IO Wd Ctr | 149 | 0.7.3 | 5 A |
| Clr Left Acc | 10 | 0.5.1-2 | 21 B |
| Clr Left A Reg | 21 | 0.5.1 | 4 B |
| Clr Left B Reg | 84 | 0.5.1-3 | 7 A |
| Clr Left IO Reg | 144 | 0.7.1 | 7 C |
| Clr Left Mem Bfr | 41 | 0.1.1 | 9 A |
| Clear L-10 bit Storage FF | 97 | 0.6.2 | 8 A |
| Clr Left Test Reg | C | 0.1.3 | 2 B |
| Clr Mem Adr Reg & Cntrl | 31 | | |
| Clr Operations Reg | 101 | 0.2.4 | 5 B |
| Clr Program Ctr | 94 | 0.4.1 | 4 B |
| Clr Pt-Ot FF to PT | 161 | 0.3.1 | 3 B |
| Clr Right Acc | 210 | 0.5.2-2 | 21 B |
| Clr Right A Reg | 230 | 0.5.2 | 6 B |
| Clr Right B Reg | 284 | 0.5.2-3 | 7 A |
| Clr Right IO Reg | 147 | 0.7.2 | 16 C |
| Clr Right Mem Bfr | 53 | 0.1.2 | 8 B |
| Clr Right Test Reg | G | 0.1.3 | 2 B |
| Clr L. Sign Ctl FF & L. Acc Sign Correct FF | 214 | 0.5.1-2 | 21 B |
| Clock Reg to Right Mem Bfr | A6 | 0.2.6 | 5 B |
| Compare-Acc & A-Reg | 99 | 0.6.2 | 4 D |
| Complement Left Acc | 19 | 0.5.1-2 | 21 B |
| Complement Left A Reg | 26 | 0.5.1 | 4 B |
| Complement Left Divide Connect FF | 67 | 0.5.1-2 | 17 A |
| Complement Right Acc | 219 | 0.5.2-2 | 22 B |
| Complement Right A Reg | 226 | 0.5.2 | 6 B |
| Complement Right Divide Connect FF | 267 | 0.5.2-2 | 20 A |
| Correct Left Remainder | 11 | 0.5.1 | 4 C |
| Correct Right Remainder | 211 | 0.5.2 | 6 D |

-D-

| | | | |
|----------|-----|-------|-----|
| Deselect | 155 | 0.7.5 | 6 A |
|----------|-----|-------|-----|

-I-

| | | | |
|--------------------------------|-----|-------|-----|
| Index Interval Comp to Adr Reg | 103 | 0.4.1 | 6 A |
| Index Reg #1 to Adr Reg | 114 | 0.4.2 | 4 E |
| Index Reg #2 to Adr Reg | 115 | 0.4.2 | 4 D |
| Index Reg #4 to Adr Reg | 117 | 0.4.2 | 4 C |

COMMAND INDEX (cont'd)

- I -

| COMMAND | NO. | LOGIC | ZONE |
|-------------------------|-----|-------|------|
| Index Reg #5 to Adr Reg | 124 | 0.4.2 | 4B |
| Inhibit Sample #1 | 33 | 0.1.4 | 5C |
| Inhibit Sample #2 | A | 0.1.4 | 5B |
| IO Wd Ctr to Right Acc | 153 | 0.7.3 | 5B |

- L -

| | | | |
|---|-----|---------|-----|
| Left Acc 1 to Left Acc 8 | 4 | 0.5.1-2 | 21E |
| Left Acc Conditional Shift Left | 60 | 0.5.1-2 | 18A |
| Left Acc Sign Correct and Ctr Sign Control FF | 214 | 0.5.1-2 | 21B |
| Left Acc Sign to Left Acc 15 | 6 | 0.5.1-2 | 18D |
| Left Acc Sign to Left B Reg 15 | 5 | 0.5.1-2 | 18D |
| Left Acc Sign to Right Acc 15 | 12 | 0.5.1-2 | 18D |
| Left Acc to Left B Reg | 1 | 0.5.1-2 | 18E |
| Left Acc to Left Mem Bfr | 17 | 0.5.1-2 | 19E |
| Left Acc 2-15 to 1-14 | 2 | 0.5.1-2 | 21E |
| Left Acc 15 to Left B Reg Sign | 7 | 0.5.1-2 | 1D |
| Left A Reg to Left Mem Bfr | 23 | 0.5.1 | 5D |
| Left B Reg Sign Storage to Left B Reg Sign | 89 | 0.5.1-3 | 7B |
| Left B Reg Sign to Left Acc 15 | 81 | 0.5.1-3 | 6E |
| Left B Reg S-14 to 1-15 | 85 | 0.5.1-3 | 6D |
| Left B Reg 1-15 to S-14 | 82 | 0.5.1-3 | 6D |
| Left B Reg to Left A Reg | 88 | 0.5.1-3 | 6D |
| Left Carry One | 62 | 0.5.1-2 | 1A |
| Left Carry Zero | 64 | 0.5.1-2 | 1A |
| Left Correct Sign | 9 | 0.5.1-2 | 21C |
| Left End Carry | 63 | 0.5.1-2 | 18A |
| Left Logical Multiply | 25 | 0.5.1 | 4D |
| Left Mem Bfr to Left A Reg | 43 | 0.1.1 | 8D |
| Left Mem Bfr to Left B Reg | 39 | 0.1.1 | 8D |
| Left Mem Bfr to Left Test Reg | D | 0.1.1 | 9E |
| Left Mem Bfr to Operations Reg | 42 | 0.1.1 | 8D |
| Left Mem Bfr to Right A Reg | 44 | 0.1.1 | 8D |
| Left Partial Product | 83 | 0.5.1-3 | 7C |
| Left Round Off | 87 | 0.5.1-3 | 6E |

- M -

| | | | |
|---|-----|---------|-----|
| Make Left Acc and Left B Reg Pos | 16 | 0.5.1-2 | 21D |
| Make Left Acc Pos | 13 | 0.5.1-2 | 21B |
| Make Left A Reg and Left Acc Signs Unlike | 61 | 0.5.1-2 | 18A |
| Make Left A Reg Pos | 22 | 0.5.1 | 4D |
| Make Right Acc and Right B Reg Pos | 20 | 0.5.2-2 | 22C |
| Make Right Acc Pos | 213 | 0.5.2-2 | 22B |
| Make Right A Reg and Right Acc Signs Unlike | 261 | 0.5.2-2 | 20A |
| Make Right A Reg Pos | 229 | 0.5.2 | 7D |

- P -

| | | | |
|----------------------------|----|-------|----|
| Parity Check | 55 | 0.1.1 | 9C |
| Parity Count | 47 | 0.1.2 | 1B |
| Partial Quotient | 80 | 0.5.3 | 2C |
| Program Ctr to Mar | 91 | 0.4.1 | 5A |
| Program Ctr To Right A Reg | 93 | 0.4.1 | 5C |

- R -

| | | | |
|--|-----|---------|-----|
| Record Left Overflow | 66 | 0.5.1-2 | 22B |
| Record Right Overflow | 266 | 0.5.2-2 | 20A |
| Right Acc Conditional Shift Left | 260 | 0.5.2-2 | 19B |
| Right Acc Sign Correct and Ctr Sign Control FF | 216 | 0.5.2-2 | 22B |
| Right Acc Sign To Left Acc 15 | 217 | 0.5.2-2 | 18D |

COMMAND INDEX (cont'd)

-R-

| COMMAND | NO. | LOGIC | ZONE |
|---------------------------------------|-----|---------|------|
| Right Acc Sign to Right Acc 15 | 206 | 0.5,2-2 | 19C |
| Right Acc Sign to Right B Reg 15 | 205 | 0.5,2-2 | 18D |
| Right Acc to Adr Reg | 212 | 0.5,2-2 | 21E |
| Right Acc to Right B Reg | 201 | 0.5,2-2 | 19E |
| Right Acc to Right Mem Bfr | 121 | 0.5,2-2 | 19E |
| Right Acc 1 to S | 204 | 0.5,2-2 | 21D |
| Right Acc 2-15 to 1-14 | 202 | 0.5,2-2 | 21E |
| Right Acc 15 to Right B Reg Sign | 207 | 0.5,2-2 | 1D |
| Right A Reg to Right Mem Bfr Reg Sign | 228 | 0.5,2 | 6D |
| Right B Reg Sign Storage to Right B | 289 | 0.5,2-3 | 7B |
| Right B Reg Sign to Right Acc 15 | 281 | 0.5,2-3 | 6E |
| Right B Reg to Right A Reg | 288 | 0.5,2-3 | 7C |
| Right B Reg 8-14 to 1-15 | 285 | 0.5,2-3 | 7D |
| Right B Reg 1-15 to 8-14 | 282 | 0.5,2-3 | 6D |
| Right Carry One | 69 | 0.5,2-2 | 1B |
| Right Carry Zero | 264 | 0.5,2-2 | 1B |
| Right Correct Sign | 209 | 0.5,2-2 | 22C |
| Right End Carry | 283 | 0.5,2-2 | 19B |
| Right End Carry After AOR | 14 | 0.5,2-2 | 18C |
| Right Logical Multiply | 225 | 0.5,2 | 7D |
| Right Mem Bfr to Adr Reg | 52 | 0.1,2 | 8D |
| Right Mem Bfr to Right A Reg | 51 | 0.1,2 | 8D |
| Right Mem Bfr to Right B Reg | 40 | 0.1,2 | 7C |
| Right Mem Bfr to Right Test Reg | H | 0.1,2 | 8E |
| Right Partial Product | 283 | 0.5,2-3 | 7D |
| Right Round Off | 287 | 0.5,2-3 | 6E |
| Ripple Left Acc Right | 18 | 0.5,1-2 | 1D |
| Ripple Right Acc Right | 123 | 0.5,2-2 | 1D |

-S-

| | | | |
|--------------------------------------|-----|-------|-----|
| Select Pulse | 156 | 0.7,5 | 7A |
| Select Pulse For Drums | 325 | 0.7,7 | 9B |
| Sense For Branch | 140 | 0.7,4 | 3D |
| Sense Operate Gate Tube | 104 | 0.7,5 | 7A |
| Sense Tapes Not Ready | 321 | 0.7,8 | 4C |
| Set A-B FF to B | 132 | 0.3,1 | 3B |
| Set Branch FF | 170 | 0.3,1 | 3B |
| Set CSW Cntl FF and Ctr CSW Gate FF | 157 | 0.7,3 | 8A |
| Set IO Interlock FF | 294 | 0.3,1 | 2B |
| Set IX Int Bits (10 & 11) | 102 | 0.8,1 | 13B |
| Set Pause FF | 134 | 0.2,2 | 8B |
| Set Pt-Of FF to Ot | 131 | 0.3,1 | 3B |
| Set Read FF | 180 | 0.7,3 | 8C |
| Set Step Ctr to (15) ₁₀ | 75 | 0.5,3 | 3B |
| Set Step Ctr to (17) ₁₀ | 74 | 0.5,3 | 3B |
| Set Write FF | 182 | 0.7,3 | 8C |
| SPC - Test Mem Bfr | 98 | 0.1,1 | 7E |
| Start Core Memory #1 | 32 | 0.4,1 | 6E |
| Start Core Memory #2 | B | 0.4,1 | 6E |
| Start ZMc Pulses and Set ZMc Sync FF | 138 | 0.5,3 | 8D |
| Step I/O Wd Ctr If ≠ 0 | 290 | 0.7,3 | 5D |
| Step Prog Ctr X2 (ttb) | 90 | 0.6,2 | 8C |
| Subtract 1 from Step Ctr | 73 | 0.5,3 | 2D |

-T-

| | | | |
|------------------------------------|-----|---------|-----|
| Test IX #1 Sign for Zero | 164 | 0.4,2 | 5E |
| Test IX #2 Sign for Zero | 174 | 0.4,2 | 5D |
| Test IX #4 Sign for Zero | 119 | 0.4,2 | 5B |
| Test IX #5 Sign for Zero | 126 | 0.4,2 | 5A |
| Test Left Acc Sign For 1 | 165 | 0.5,1-2 | 21D |
| Test Mem to Mem Bfr | F | 0.1,3 | 3A |
| Test Right Acc Sign for 1 | 166 | 0.5,2-2 | 22D |
| Test Right and Left Acc Sign for 1 | 162 | 0.5,2-2 | 19D |

Appendix B

MISCELLANEOUS

SECTION B.1

PROGRAMMERS DATA CHART

OCTAL OPERATIONAL CODES

TYPE WHEEL CODE

MISC

HLT 000
 *ETR 004
 PER 01-
 CSW@ 020
 SLR 024#
 *LDR 030
 *CMM 040
 *CDM 041#
 *CMR 042
 *CDR 043#
 *CML 044
 *CDL 045#
 *CMP 046
 *CDF 047#
 *TOB 05--
 *TTB 054-

ADD

*CAD 100
 *ADD@ 104#
 *TAD 110#
 *ADB@ 114#
 *CSU 130
 *SUB@ 134#
 *TSU 140#
 *CAM 160
 *DIM 164
 CAC 170

MULT

*MUL 250
 *TMU 254
 *DVD 260
 *TDV 264

STORE

*CLR 300
 *FST 324
 *LST 330
 *RST@ 334
 *STA@ 340
 *AOR@ 344#
 *ECH 350
 *DEP 360

SHIFT

DSL 400
 DSR 404
 ASL 420
 ASR 424
 LSR 440
 RSR 444
 DCL 460
 FCL 470

*Indexable Instructions
 #Instructions which can cause overflow
 @ Has a 17-bit option

BRANCH

BFX 51-
 BSN 52-
 BFX 540
 BFM 544
 BLM 550
 BRM 554

IO

*LDC 600
 *SDR 61-
 SEL 62-
 *RDS 670
 *WRT 674

RESET

XIN 754
 XAC@ 764
 ADX 770
 NOP (700)

| | NO ZONE | 12 | 11 | 0 |
|--------------|------------|----|----|---|
| ZONE ONLY | | + | — | 0 |
| 1 | 1 | A | J | / |
| 2 | 2 | B | K | 8 |
| 3 | 3 | C | L | T |
| 4 | 4 | D | M | U |
| 5 | 5 | E | N | V |
| 6 | 6 | F | O | W |
| 7 | 7 | G | P | X |
| 8 | 8 | H | Q | Y |
| 9 | 9 | I | R | Z |
| 8-3 | + | . | \$ | . |
| 8-4 | - | □ | * | % |

OCTAL INDEX INTERVAL CODES

OPERATE

Condition Lts 1-4 01-04
 Set Inactivity 05
 Lock Inactivity 06
 Intercommunication 1-4 10-13
 Test Clock Reg 14
 Inhibit Alarm Branch 15
 Reset Alarm Branch 16
 Area Discriminator 1 (spare) 17
 Area Dis 2 (track initiation) 20
 MC Start 21
 Stop Duplex MC Exc 22
 Stop Simplex MC Exc 23
 Sel. Prog. Pat. Gen. LRI Type 1 24
 Sel. Prog. Pat. Gen. XTL Type 1 25
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AN/FSQ-7
 PROGRAMMING CODE CARD AS OF
 APRIL 1960

OCTAL INDEX INTERVAL CODES (cont'd)

SENSE

| | |
|--|-------|
| Condition Lts 1-4 ON | 01-04 |
| Inactivity ON | 05 |
| Tapes Not Prepared | 10 |
| IO Unit Not Ready | 11 |
| L. Overflow ON | 12 |
| R. Overflow ON | 13 |
| IO Interlock ON | 14 |
| Mem Parity Error | 15 |
| Drum Parity (Addressable) | 16 |
| Tape Parity Error | 17 |
| Duplex MC Exc ON | 20 |
| Sense Sw 1-4 ACTIVE | 21-24 |
| Drum Parity (Status) | 25 |
| Simplex MC Exc ON | 27 |
| Duplex Switching Completed- ACTIVE | 30 |
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| Output Alarm ON | 33 |
| GFI Range ON, LRI & XTL Timing ON | 34 |
| Sense Camera (ON when camera takes picture) | 35 |
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| Non Search Alarm ON | 50 |
| OB Drum Parity | 51 |
| Illegal Address or Section ON | 52 |
| G/A FD Parity Alarm | 53 |
| G/G Parity Alarm | 54 |
| TTY Parity Alarm | 55 |
| G/A TD Parity Alarm | 56 |
| BO No. 1 Parity Alarm | 57 |
| BO No. 2 Parity Alarm | 60 |
| <i>SEL MAIN DRUMS (bit R1 = 0)</i> | |
| AM 1-12 | 02-15 |
| IC (Other) | 16 |
| DD Test (Read Only) | 17 |
| Spare XTL (AM 20 - CC only) | 20 |

| | |
|--|-------|
| Spare AM | 21 |
| MI (Status) | 22 |
| MI (Identity, bits R 14-15) | 23 |
| XTL 1 (Status) | 24 |
| XTL 1 (Identity, Bits R11-15) | 25 |
| IC (Own) | 26 |
| DD | 27 |
| OB (Write ODD by status, test read all regs by ID R14-15) | 30 |
| OB (Write EVEN by status, test read all regs by status) | 31 |
| GFI (Status) | 32 |
| GFI (Identity - Bits R11-15) | 33 |
| LRI 1 (Status) | 34 |
| LRI 1 (Identity, bits R12-15) | 35 |
| LRI 2 (Status) | 36 |
| LRI 2 (Identity, bits R12-15) | 37 |
| XTL Marker | 40 |
| TD 1-6 | 41-46 |
| SD Test (Read only) | 47 |
| LRI 1 (Identity, bits R7-15) | 50 |
| LRI 2 (Identity, bits R7-15) | 51 |
| XTL 2 (Status) | 52 |
| XTL 2 (Identity, bits R11-15) | 53 |
| RD 1-9 | 60-70 |
| IC (Own test) | 76 |
| <i>SEL AUX DRUMS (bit R1 = 1)</i> | |
| AM C 13-18 | 41-46 |
| AM D 19-24 | 51-56 |
| AM E 25-30 | 61-66 |
| AM F 31-36 | 71-76 |
| AM G 37-42 | 02-07 |
| AM H 43-48 | 10-15 |

SELECT

| | |
|---------------------|-------|
| Card Reader | 01 |
| Card Punch | 02 |
| Printer | 03 |
| IO Register | 04 |
| Manual Input Sw | 06 |
| Warning Lights | 10 |
| Mag Tapes 1-6 | 11-16 |
| Burst Time Counters | 21 |

B-1.4

[illegible]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| P | L8 | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 | L12 | L13 | L14 | L15 | R6 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|

| P | OSA | ORA | ASSIGN BURST NO. | INTELLIGENCE |
|---|-----|-----|------------------|--------------|
|---|-----|-----|------------------|--------------|

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|-----------------|-----------------|-----------------|----------------|----------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|--|--|--|--|-----------------------------|-----------------------------|-----------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|---|---|---|---|
| P ₁₃ | P ₁₂ | P ₁₁ | P ₂ | P ₁ | R ₆ ₁₅ | R ₆ ₁₂ | R ₆ ₁₁ | R ₅ ₁₅ | R ₅ ₁₂ | R ₅ ₁₁ | R ₅ ₂ | R ₇ ₁₃ | | | | | R ₈ ₃ | R ₈ ₂ | R ₈ ₁ | S ₁₃ | S ₉ | S ₇ | S ₆ | S ₅ | S ₄ | S ₃ | S ₂ | S ₁ | O | O | S | O | O |
|-----------------|-----------------|-----------------|----------------|----------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|--|--|--|--|-----------------------------|-----------------------------|-----------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|---|---|---|---|

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|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|
| P 5 | P 4 | P 3 | P 2 | P 1 | R 5 4 | R 5 3 | R 5 2 | R 5 1 | R 4 5 | R 4 4 | R 3 5 | R 3 4 | R 3 3 | R 3 2 | R 3 1 | 0 | 0 | 0 | 0 |
|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|----|----|----|--|--|--|--|--|--|--|--|--|----|----|----|----|---|----|--|--|--|--|--|----|----|----|----|---|---|---|---|---|---|
| No 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P | R5 | R4 | R3 | | | | | | | | | | R3 | R2 | R1 | R0 | P | R5 | | | | | | R3 | R2 | R1 | R0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 2 | 2 | 2 | | | | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | 2 | 2 | 2 | 2 | | | | | | |

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|----|-----|-----|-----|-----|-----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| SP | R15 | R14 | R13 | R12 | R11 | ST | SP | R10 | R9 | R8 | R7 | R6 | ST | SP | R5 | R4 | R3 | R2 | R1 | ST |
|----|-----|-----|-----|-----|-----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|

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PROGRAMMING DATA CARD -

NO AND NO MESSAGES

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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| | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | | O | | | | | | | | | | P | | | | | | | | | | Q | | | | | | | | | | R | | | | | | | | | | S | | | | | | | | | | T | | | | | | | | | | U | | | | | | | | | | V | | | | | | | | | | W | | | | | | | | | | X | | | | | | | | | | Y | | | | | | | | | | Z | | | | | | | | | | A | | | | | | | | | | B | | | | | | | | | | C | | | | | | | | | | D | | | | | | | | | | E | | | | | | | | | | F | | | | | | | | | | G | | | | | | | | | | H | | | | | | | | | | I | | | | | | | | | | J | | | | | | | | | | K | | | | | | | | | | L | | | | | | | | | | M | | | | | | | | | | N | | | | | | | | | |

DISPLAY SYSTEM DRUM WORD LAYOUTS

| WORD | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|------|----|----|----|----|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

VECTOR MESSAGE

0 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

| WORD | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|------|----|----|----|----|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

THALLUS MESSAGE

0 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

Appendix B

SECTION B-2

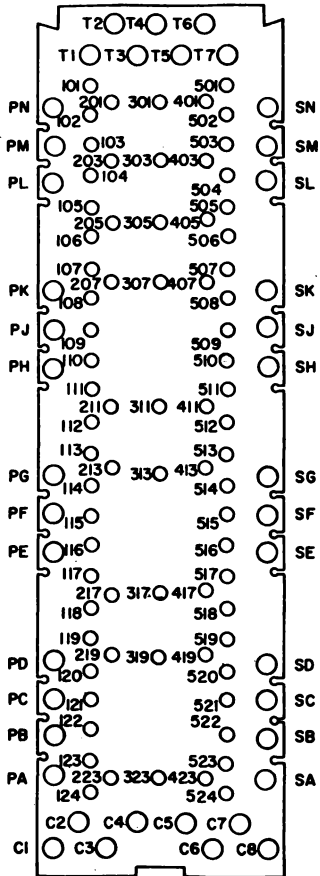
COLOR CODE FOR EQUIPMENT WIRING

COLOR CODE FOR EQUIPMENT WIRING

| CODE NO. | COLOR | VOLTAGE & USE |
|----------|--------------------------------|--|
| | Yellow | Signal |
| | Yellow Twisted | Signal |
| | Yellow & Black - Pair Shielded | Signal |
| 0 | Black | Ground |
| 1 | Brown | Heater |
| 2 | Red | +150 |
| 3 | Orange | +250 |
| 5 | Green | -150 |
| 6 | Blue | -30 |
| 7 | Violet | -300 |
| 8 | Gray | +90 |
| 9 | White | -15 |
| 90 | White with Black Tr. | +10 |
| 91 | White with Brown Tr. | Heater Below Ground |
| 92 | White with Red Tr. | +150 Marg. Check |
| 93 | White with Orange Tr. | +250 Marg. Check |
| 94 | White with Yellow Tr. | -150 Reset |
| 95 | White with Green Tr. | -150 Marg. Check |
| 96 | White with Blue Tr. | +150 Relay |
| 97 | White with Violet Tr. | -300 Marg. Check |
| 98 | White with Gray Tr. | +90 Marg. Check |
| 905 | White with Black & Green | Display Console Input to Wing Boxes |
| 915 | White with Brown & Green | -150 Heater 200 Amps |
| 920 | White with Red & Black Tr. | -15 Decoupled |
| 926 | White with Red & Blue Tr. | -600 DC |
| 935 | White with Orange & Green Tr. | -48 |
| 965 | White with Blue & Green | +208 AC Regulated |
| 971 | White with Violet & Brown Tr. | +600 DC Driver Situation Display Console |
| 984 | White with Gray & Yellow Tr. | +115 AC Decaying Volts |

NON-STANDARD WIRING (UNITS 13, 14, 15, 16, 17, 18, 26 and 40)

| CODE NO. | COLOR | VOLTAGE & USE |
|----------|---------------------------|---------------|
| 12 | White with Black Tr. | +270 |
| 2 | Red | +140 |
| | Red with Green Tr. | +140 Relay |
| | Orange | +70 Thyatron |
| | Brown | +48 Relay |
| 11 | White with Blue Tr. | -12 Clamp |
| 13 | White with Blue-Black Tr. | -12 Reset |
| 6 | Blue | -60 |
| 5 | Green | -130 |
| 7 | Violet | -270 |
| | White with Yellow Tr. | Heater |



CARD DETAIL LAYOUT

Sgt COLT - Shift Saver.
 Sgt HAVLICKEK Course Saver.
 MAJ. HUGHES
 COL. LOVEALL

6/40

8-21
 76.00
 10
 86
 4
 2720

Breaks

18:00 - start school
 19:00 - 5 min
 20:05 - 20 min
 21:25 - 5 min
 22:30 - 10 min
 23:45 dismissed

Study Hall - 15:00 - 16:30 - Room

CLASS NO. 26047 C

| Block | Days | | h/day |
|-------|------|----------------------------|-------|
| 11 | 8 | Intro to R-7 | 1/3 |
| 12 | 9 | Timing & Control | 3/0 |
| 13 | 10 | Instructions | 5/0 |
| 14 | 6 | Comp. Alarms & Man Control | 6/1 |
| 15 | 12 | Memory Systems | 8/3 |
| 16 | 9 | Selection Control | 10/2 |
| 17 | 11 | Magnetic Tapes | 12/3 |
| 18 | 11 | Drums I | 14/4 |
| 19 | 8 | Drums II | 16/2 |
| 20 | 7 | Dig. Display | 17/4 |
| 21 | 8 | Sit Display I | 19/2 |
| 22 | 7 | Sit Display II | 20/4 |
| 23 | 8 | Inputs (auto) | 22/2 |
| 24 | 13 | Outputs | 25 |