

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | 150 | 10 | 36 | | | 70 | | | 104 | 150 | 10 |
| 3 | | | 37 | | | 71 | | | 105 | 150 | 10 |
| 4 | | | 38 | 150 | 10 | 72 | | | 106 | 91 | 5 |
| 5 | 150 | 10 | 39 | | | 73 | | | 107 | 150 | 10 |
| 6 | | | 40 | 150 | 10 | 74 | | | 108 | 91 | 5 |
| 7 | 330 | 10 | 41 | | | 75 | | | 109 | 150 | 10 |
| 8 | | | 42 | | | 76 | | | 110 | 150 | 10 |
| 9 | 330 | 10 | 43 | | | 77 | | | 111 | 150 | 10 |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | 330 | 10 | 45 | | | 79 | | | 113 | 150 | 10 |
| 12 | | | 46 | 150 | 10 | 80 | | | 114 | 330 | 10 |
| 13 | | | 47 | | | 81 | | | 115 | 330 | 10 |
| 14 | 150 | 10 | 48 | 330 | 10 | 82 | 150 | 10 | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | 150 | 10 | 50 | 150 | 10 | 84 | | | 118 | 91 | 5 |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | 330 | 10 | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | 150 | 10 |
| 20 | 330 | 10 | 54 | | | 88 | | | 122 | 150 | 10 |
| 21 | | | 55 | | | 89 | 150 | 10 | 123 | 150 | 10 |
| 22 | | | 56 | | | 90 | | | 124 | 330 | 10 |
| 23 | | | 57 | | | 91 | 150 | 10 | 125 | 91 | 5 |
| 24 | | | 58 | | | 92 | 150 | 10 | 126 | 91 | 5 |
| 25 | | | 59 | | | 93 | 150 | 10 | 127 | | |
| 26 | | | 60 | | | 94 | 150 | 10 | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | | | 96 | 150 | 10 | 130 | | |
| 29 | | | 63 | | | 97 | 150 | 10 | 131 | | |
| 30 | | | 64 | | | 98 | 150 | 10 | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP. IN OHMS.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W.
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|-----------|-----|----------|-----|--------|-----|-----------|-----|--------|-----|--------|
| 1 | STOPC | 24 | STOPB | 47 | GND | 70 | PPX | 93 | BL3 | 116 | RΦ(4) |
| 2 | LMY | 25 | GND | 48 | STATEA | 71 | PP | 94 | BL0 | 117 | GND |
| 3 | LMXA | 26 | GCAPI | 49 | GND | 72 | NC | 95 | GND | 118 | NSAT |
| 4 | LMYA | 27 | GND | 50 | PFL | 73 | LMM1 | 96 | BL0 | 119 | GND |
| 5 | LMX | 28 | SC | 51 | GND | 74 | NC | 97 | BL2 | 120 | GAM |
| 6 | GDM | 29 | GND | 52 | H | 75 | FCY | 98 | BL3 | 121 | ODD |
| 7 | X(21) | 30 | CAP1 | 53 | GND | 76 | SCY | 99 | GND | 122 | SMIA |
| 8 | RΦ(23) | 31 | GND | 54 | GH | 77 | GND | 100 | GND | 123 | SF |
| 9 | X(22) | 32 | SUH | 55 | GND | 78 | M CLOCK 1 | 101 | GND | 124 | RCE |
| 10 | PP | 33 | GND | 56 | F | 79 | S | 102 | HIREQ | 125 | REJ |
| 11 | X(23) | 34 | SLH | 57 | GND | 80 | GS | 103 | GND | 126 | NACC |
| 12 | LMM2 | 35 | GND | 58 | GF | 81 | STR | 104 | UA | 127 | +5 |
| 13 | GND | 36 | START P | 59 | GND | 82 | RDA | 105 | LRΦ | 128 | +5 |
| 14 | LMX | 37 | GND | 60 | RESET | 83 | -5 | 106 | OK | 129 | +5 |
| 15 | GND | 38 | SS | 61 | GND | 84 | -5 | 107 | Y(4) | 130 | +5 |
| 16 | LMY | 39 | GND | 62 | GND | 85 | -5 | 108 | NREJ | 131 | +5 |
| 17 | GND | 40 | SH | 63 | GND | 86 | -5 | 109 | TYW | 132 | +5 |
| 18 | K2X | 41 | GND | 64 | RQL | 87 | MPREQ | 110 | LRΦ | 133 | +5 |
| 19 | GND | 42 | GCAPO | 65 | GND | 88 | GND | 111 | Y(23) | 134 | +5 |
| 20 | K2 | 43 | GND | 66 | RQH | 89 | BL1 | 112 | PU1 | 135 | +5 |
| 21 | STOPA | 44 | CAP0 | 67 | GND | 90 | LOREQ | 113 | TXW | 136 | +5 |
| 22 | M CLOCK 2 | 45 | GND | 68 | NC | 91 | BL2 | 114 | K3 | | |
| 23 | GND | 46 | M1 RESET | 69 | NC | 92 | BL1 | 115 | X(4) | | |

REFERENCE DRAWINGS

ASSEMBLY - AC00240
 LOGIC DIAGRAM - L00240
 P.C. BOARD - NE00031

| | | | | |
|------------|-------------------------------------------|---------------------------------|-------|----------|
| .0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| NO AC00259 | DESIGNED | TITLE | | |
| | DES. CHK'D | MEMORY INTERFACE ASSEMBLY | | |
| | DRAWN <i>Carter</i> 12/19/69 | PROJECT AMC & CHIO U1A4-W1A4 | | |
| | ENG. CHK'D <i>[Signature]</i> 12/29/69 | SHEET OF NO. 1 1 AC00259.B | | |
| SCALE 2 | | | | |



Berkeley
Computer
Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | 330 | |
| 2 | 150 | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | 150 | | 71 | 330 | | 105 | | |
| 4 | 150 | | 38 | 150 | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | 150 | | 40 | 150 | | 74 | | | 108 | | |
| 7 | | | 41 | 330 | | 75 | | | 109 | | |
| 8 | 150 | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | 150 | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | 330 | | 79 | 150 | | 113 | | |
| 12 | 150 | | 46 | | | 80 | | | 114 | | |
| 13 | 150 | | 47 | 150 | | 81 | 150 | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | 150 | | 49 | 150 | | 83 | 150 | | 117 | | |
| 16 | | | 50 | | | 84 | 150 | | 118 | | |
| 17 | | | 51 | | | 85 | 150 | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | 150 | | 87 | 150 | | 121 | | |
| 20 | | | 54 | | | 88 | 150 | | 122 | | |
| 21 | | | 55 | 150 | | 89 | 330 | | 123 | | |
| 22 | | | 56 | | | 90 | 150 | | 124 | | |
| 23 | 150 | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | 150 | | 92 | 150 | | 126 | | |
| 25 | 150 | | 59 | 150 | | 93 | 330 | | 127 | | |
| 26 | | | 60 | 150 | | 94 | 150 | | 128 | | |
| 27 | | | 61 | 150 | | 95 | 330 | | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | 150 | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | 150 | | 65 | 150 | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | 150 | | 67 | | | 101 | 150 | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP. IN OHMS 10%.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W.
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|-----------|-----|-------------|-----|-------------|-----|-------------|-----|--------|-----|--------|
| 1 | R1 CLOCK | 24 | I 2 CLOCK A | 47 | M CONT 1 | 70 | KZX | 93 | Z(20) | 116 | LCY3A |
| 2 | LRN-Φ | 25 | LZX | 48 | STATE A | 71 | B SELECT(d) | 94 | SSP3 | 117 | SYS-6 |
| 3 | R4 CLOCK | 26 | LRΦ | 49 | M CONT Φ | 72 | K3 | 95 | Z(19) | 118 | LCY1A |
| 4 | LRN-1 | 27 | GND | 50 | XXC | 73 | GND | 96 | LCY12A | 119 | SYS-5 |
| 5 | R2 CLOCK | 28 | GND | 51 | GND | 74 | GND | 97 | CCFZB | 120 | SYS Φ |
| 6 | LRN-2 | 29 | I 3 CLOCK B | 52 | GND | 75 | GND | 98 | LCY16A | 121 | SYS-4 |
| 7 | R5 CLOCK | 30 | I 3 CLOCK A | 53 | M CONT Φ | 76 | GND | 99 | GND | 122 | SYS-1 |
| 8 | LRN-Φ | 31 | LPF | 54 | TXO | 77 | SXS-2 | 100 | GND | 123 | -5V |
| 9 | R3 CLOCK | 32 | I 2 CLOCK B | 55 | M CONT 1 | 78 | SXS-1 | 101 | CCFZA | 124 | -5V |
| 10 | LRN-1 | 33 | DGO | 56 | TOSO | 79 | SPFZ | 102 | LCY2ΦA | 125 | -5V |
| 11 | R6 CLOCK | 34 | PFL | 57 | GND | 80 | SXS-3 | 103 | Z(22) | 126 | -5V |
| 12 | LRN-2 | 35 | GND | 58 | SSP1 | 81 | SSP5 | 104 | TAXB | 127 | +5V |
| 13 | LQY | 36 | GND | 59 | SSP2 | 82 | SXS-Φ | 105 | LCY8A | 128 | +5V |
| 14 | RΦ CLOCK | 37 | DGO | 60 | SSP1 | 83 | SPFZ | 106 | LCY4A | 129 | +5V |
| 15 | LQX | 38 | VCY | 61 | LSPX | 84 | SSP3 | 107 | ROMST | 130 | +5V |
| 16 | M CLOCK 3 | 39 | RESET | 62 | TBO | 85 | SSPΦ | 108 | UK1 | 131 | +5V |
| 17 | LMX | 40 | VCY | 63 | WS | 86 | ADΦ | 109 | Z(21) | 132 | +5V |
| 18 | Q CLOCK | 41 | BRANCH | 64 | LOAD OS REG | 87 | SSPΦ | 110 | SYS-2 | 133 | +5V |
| 19 | GND | 42 | RCE | 65 | SSP2 | 88 | SSP4 | 111 | Z(23) | 134 | +5V |
| 20 | GND | 43 | GND | 66 | XXB | 89 | Z(18) | 112 | SYS-3 | 135 | +5V |
| 21 | LMY | 44 | GND | 67 | BR TEST | 90 | SSP5 | 113 | TAX A | 136 | +5V |
| 22 | Z CLOCK | 45 | SC | 68 | TINCOA | 91 | AD1 | 114 | SYS-7 | | |
| 23 | LZY | 46 | LOAD O REG | 69 | KZA | 92 | SSP4 | 115 | LCY2A | | |

REFERENCE DRAWINGS

ASSEMBLY - ACO0241
 LOGIC DIAGRAM - L00241
 P.C. BOARD - NEO0029

| | | | | | | |
|-------------------|----------------------------------|-----------------------------------|------------------|------|-------|----------|
| .O | RELEASED | COPY | | DATE | DRAWN | APPROVED |
| NO. | | | | | | |
| REVISIONS | | | | | | |
| ACO0260 | DESIGNED | TITLE | | | | |
| | DES. CHK'D | CONTROL LOGIC ASSEMBLY | | | | |
| | DRAWN <i>Cartier 12/20/69</i> | | | | | |
| | DWG. CHK'D <i>D. MORENO</i> | PROJECT AMC & CHIO UIA5 - WIA5 | | | | |
| SCALE <i>2</i> | SHEET 1 | OF 1 | NO. ACO0260.C | | | |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | 150 | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | 150 | |
| 10 | | | 44 | | | 78 | 330 | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | 150 | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | 150 | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | 150 | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | 150 | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | 150 | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | 150 | | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | 150 | | 125 | | |
| 24 | | | 58 | 330 | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | 150 | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | 150 | | 61 | | | 95 | 150 | | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | 150 | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | 330 | | 66 | 330 | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP. IN OHMS, 10%.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|------------|-----|-----------|-----|------------|-----|-----------|-----|-----------|-----|--------|
| 1 | MR1 | 24 | CMAP | 47 | GND | 70 | UPX(22) | 93 | MS5 | 116 | GND |
| 2 | SPAG | 25 | GND | 48 | TBO | 71 | GND | 94 | SPARE PIN | 117 | MS1 |
| 3 | MRO | 26 | RS OUT 2 | 49 | GND | 72 | UPX(23) | 95 | MS4 | 118 | LCY20B |
| 4 | RESETTU | 27 | TOSY | 50 | LOAD OSREG | 73 | SG2 | 96 | GND | 119 | MS0 |
| 5 | MI RESET | 28 | RS OUT 1 | 51 | GND | 74 | SPARE PIN | 97 | MS3 | 120 | LCY12B |
| 6 | LPF | 29 | GOS(13) | 52 | TOSO | 75 | SG2D | 98 | GND | 121 | SMIA |
| 7 | PU1 | 30 | X(20) | 53 | GND | 76 | SPARE PIN | 99 | GND | 122 | CCFZA |
| 8 | SPAG | 31 | SPARE PIN | 54 | GND | 77 | SG2C | 100 | LCY8B | 123 | LCY16B |
| 9 | PU2 | 32 | X(20) | 55 | GND | 78 | RSIN2 | 101 | GND | 124 | SMIA |
| 10 | I2 CLOCK A | 33 | K2 | 56 | GND | 79 | SG2B | 102 | GND | 125 | GND |
| 11 | GND | 34 | ALERT | 57 | ODD | 80 | X(23) | 103 | GND | 126 | GND |
| 12 | I2 CLOCK B | 35 | SS | 58 | X(13) | 81 | SG2A | 104 | LCY1B | 127 | +5 |
| 13 | GND | 36 | RESET | 59 | ODD | 82 | X(21) | 105 | UPX(20) | 128 | +5 |
| 14 | RS2 | 37 | SS | 60 | TXO | 83 | SPFZ | 106 | UPX(21) | 129 | +5 |
| 15 | GND | 38 | BSELECT D | 61 | SHA | 84 | PX(21) | 107 | LCY2B | 130 | +5 |
| 16 | SMS1 | 39 | SSA | 62 | X(22) | 85 | SPFZ | 108 | CCFZB | 131 | +5 |
| 17 | SFA | 40 | BSELECT D | 63 | SH | 86 | LCY4B | 109 | MS1 | 132 | +5 |
| 18 | PIN | 41 | OODA | 64 | GND | 87 | MS5 | 110 | LCY3B | 133 | +5 |
| 19 | SF | 42 | POT | 65 | GND | 88 | PX(23) | 111 | MS2 | 134 | +5 |
| 20 | RS1-RS2 | 43 | GND | 66 | RSIN1 | 89 | MS4 | 112 | SPARE PIN | 135 | +5 |
| 21 | SF | 44 | X(21) | 67 | GND | 90 | PX(22) | 113 | MS0 | 136 | +5 |
| 22 | BR TEST | 45 | GND | 68 | X(22) | 91 | MS3 | 114 | GND | | |
| 23 | GND | 46 | X(23) | 69 | GND | 92 | PX(20) | 115 | MS2 | | |

REFERENCE DRAWINGS

ASSEMBLY - AC00242
 LOGIC DIAGRAM - L00242
 P.C. BOARD - NE 00038

| | | | | |
|-----------|----------------------------------|-----------------------|------------|-----------|
| .O | RELEASED | | | |
| | NO. | DESCRIPTION | DATE | DRAWN |
| REVISIONS | | | | |
| AC00261 | DESIGNED | TITLE | | |
| | DES. CHK'D | SPECIAL FUNCTIONS # 1 | | |
| | DRAWN <i>Center</i> 12/15/69 | ASSEMBLY | | |
| | DWG. CHK'D 12-23-69 D. MORENO | PROJECT | AMC & CHIO | UIA7-WIA7 |
| SCALE | SHEET | 1 | NO | AC00261.C |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | | | 35 | 330Ω | 10 | 69 | | | 103 | | |
| 2 | | | 36 | 330Ω | 10 | 70 | | | 104 | | |
| 3 | 330Ω | 10 | 37 | 330Ω | 10 | 71 | 150Ω | 10 | 105 | | |
| 4 | 330Ω | 10 | 38 | 330Ω | 10 | 72 | 150Ω | 10 | 106 | | |
| 5 | | | 39 | 330Ω | 10 | 73 | | | 107 | | |
| 6 | 330Ω | 10 | 40 | 330Ω | 10 | 74 | | | 108 | | |
| 7 | 330Ω | 10 | 41 | 330Ω | 10 | 75 | 150Ω | 10 | 109 | | |
| 8 | | | 42 | 330Ω | 10 | 76 | 150Ω | 10 | 110 | | |
| 9 | 330Ω | 10 | 43 | 330Ω | 10 | 77 | 150Ω | 10 | 111 | | |
| 10 | | | 44 | 330Ω | 10 | 78 | 150Ω | 10 | 112 | | |
| 11 | | | 45 | 330Ω | 10 | 79 | | | 113 | | |
| 12 | 330Ω | 10 | 46 | 330Ω | 10 | 80 | | | 114 | | |
| 13 | | | 47 | 330Ω | 10 | 81 | | | 115 | 150Ω | 10 |
| 14 | 330Ω | 10 | 48 | 330Ω | 10 | 82 | | | 116 | 150Ω | 10 |
| 15 | 330Ω | 10 | 49 | 330Ω | 10 | 83 | 150Ω | 10 | 117 | 150Ω | 10 |
| 16 | 330Ω | 10 | 50 | 330Ω | 10 | 84 | 150Ω | 10 | 118 | 150Ω | 10 |
| 17 | 330Ω | 10 | 51 | 330Ω | 10 | 85 | 150Ω | 10 | 119 | 150Ω | 10 |
| 18 | 330Ω | 10 | 52 | 330Ω | 10 | 86 | 150Ω | 10 | 120 | 150Ω | 10 |
| 19 | | | 53 | | | 87 | | | 121 | 150Ω | 10 |
| 20 | 330Ω | 10 | 54 | | | 88 | | | 122 | 150Ω | 10 |
| 21 | 330Ω | 10 | 55 | 150Ω | 10 | 89 | | | 123 | 150Ω | 10 |
| 22 | 330Ω | 10 | 56 | 150Ω | 10 | 90 | | | 124 | 150Ω | 10 |
| 23 | 330Ω | 10 | 57 | | | 91 | | | 125 | 150Ω | 10 |
| 24 | 330Ω | 10 | 58 | 150Ω | 10 | 92 | | | 126 | 150Ω | 10 |
| 25 | 330Ω | 10 | 59 | | | 93 | | | 127 | | |
| 26 | 330Ω | 10 | 60 | | | 94 | 150Ω | 10 | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | | | 96 | 330Ω | 10 | 130 | | |
| 29 | 330Ω | 10 | 63 | | | 97 | | | 131 | | |
| 30 | 330Ω | 10 | 64 | | | 98 | | | 132 | | |
| 31 | 330Ω | 10 | 65 | | | 99 | | | 133 | | |
| 32 | 330Ω | 10 | 66 | | | 100 | | | 134 | | |
| 33 | 330Ω | 10 | 67 | | | 101 | | | 135 | | |
| 34 | 330Ω | 10 | 68 | | | 102 | 150Ω | 10 | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W.
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

- JUMPER J1A TO J1C; J2A TO J2C;
 J3A TO J3C; J4A TO J4C & J5A TO J5C.

REFERENCE DRAWINGS

ASSEMBLY - AC 00243
 LOGIC DIAGRAM - L 00243
 P.C. BOARD - NE 00036

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|--------|-----|---------|-----|-------------|-----|---------|-----|--------------|-----|--------|
| 1 | I2CL | 24 | X(9) | 47 | BL(18)✓ | 70 | FLUSH | 93 | (BL-0) ENBL✓ | 116 | MC5 |
| 2 | GND. | 25 | X(10) | 48 | BL(19)✓ | 71 | SATLA 1 | 94 | RS1-RS2✓ | 117 | MC5✓ |
| 3 | X(12) | 26 | X(11) | 49 | BL(20)✓ | 72 | CMPE | 95 | Y(23) | 118 | MC4✓ |
| 4 | X(18) | 27 | GND. | 50 | BL(21)✓ | 73 | BRTEST | 96 | Z(0) | 119 | MC3 |
| 5 | X(13) | 28 | GND. | 51 | BL(22)✓ | 74 | TCMP✓ | 97 | GND. | 120 | MC4 |
| 6 | X(19) | 29 | BL(0)✓ | 52 | BL(23)✓ | 75 | RS2✓ | 98 | GND. | 121 | MC0✓ |
| 7 | X(14) | 30 | BL(6)✓ | 53 | GND. | 76 | SB2 | 99 | GND. | 122 | MC1✓ |
| 8 | X(20) | 31 | BL(1)✓ | 54 | GND. | 77 | SB3 | 100 | R0(0) | 123 | MC0 |
| 9 | X(15) | 32 | BL(7)✓ | 55 | Y(21) | 78 | SPAG✓ | 101 | VCY✓ | 124 | MC2 |
| 10 | X(21) | 33 | BL(2)✓ | 56 | Y(22) | 79 | S4✓ | 102 | SPAG | 125 | MC2✓ |
| 11 | X(22) | 34 | BL(8)✓ | 57 | Y(23) | 80 | GND. | 103 | GND. | 126 | MC1 |
| 12 | X(16) | 35 | BL(3)✓ | 58 | Y(0) | 81 | GND. | 104 | GND. | 127 | +5 |
| 13 | X(23) | 36 | BL(9)✓ | 59 | I2 CLOCK A✓ | 82 | GND. | 105 | 96✓ | 128 | +5 |
| 14 | X(17) | 37 | BL(4)✓ | 60 | I2 CLOCK B✓ | 83 | BP | 106 | GND. | 129 | +5 |
| 15 | X(0) | 38 | BL(10)✓ | 61 | ADVNC | 84 | LMPE | 107 | N.C. | 130 | +5 |
| 16 | X(1) | 39 | BL(5)✓ | 62 | ADVNO | 85 | SATLA 2 | 108 | S7✓ | 131 | +5 |
| 17 | X(2) | 40 | BL(11)✓ | 63 | -5 | 86 | SATLA 3 | 109 | N.C. | 132 | +5 |
| 18 | X(3) | 41 | BL(12)✓ | 64 | -5 | 87 | SB1✓ | 110 | B5✓ | 133 | +5 |
| 19 | X(4) | 42 | BL(13)✓ | 65 | -5 | 88 | K2✓ | 111 | GND. | 134 | +5 |
| 20 | X(5) | 43 | BL(14)✓ | 66 | -5 | 89 | GND. | 112 | GND. | 135 | +5 |
| 21 | X(6) | 44 | BL(15)✓ | 67 | C BRANCH✓ | 90 | PNEX | 113 | GND. | 136 | +5 |
| 22 | X(7) | 45 | BL(16)✓ | 68 | TLMP✓ | 91 | N.C. | 114 | GND. | | |
| 23 | X(8) | 46 | BL(17)✓ | 69 | BRANCH✓ | 92 | GND. | 115 | MC3✓ | | |

PINS 91,107,109 HAVE NO CONNECTIONS 1/6/70 M.M.

| | | | | |
|-----------|-----------------------------|----------------------|--------------|------------|
| .O | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC 00262 | DESIGNED | TITLE | | |
| | DES. CHK'D | BRANCH CONDITIONS #1 | | |
| | DRAWN 12-22-69 D. MORENO | ASSEMBLY | | |
| | DWG. CHK'D 12/22/69 | PROJECT | UIA9 WIA9 | |
| SCALE | SHEET | OF | NO | |
| NONE | 1 | 1 | | AC 00262.D |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | 150 | | 35 | 330 | | 69 | 330 | | 103 | 330 | |
| 2 | | | 36 | 150 | | 70 | 330 | | 104 | 330 | |
| 3 | | | 37 | 150 | | 71 | 330 | | 105 | | |
| 4 | | | 38 | | | 72 | 330 | | 106 | 330 | |
| 5 | | | 39 | | | 73 | 330 | | 107 | 150 | |
| 6 | | | 40 | | | 74 | 330 | | 108 | 150 | |
| 7 | | | 41 | 330 | | 75 | | | 109 | 150 | |
| 8 | | | 42 | 330 | | 76 | 330 | | 110 | | |
| 9 | | | 43 | 150 | | 77 | 150 | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | 330 | |
| 12 | | | 46 | 330 | | 80 | 330 | | 114 | 330 | |
| 13 | | | 47 | 330 | | 81 | | | 115 | | |
| 14 | | | 48 | 150 | | 82 | 330 | | 116 | | |
| 15 | | | 49 | 150 | | 83 | 150 | | 117 | 330 | |
| 16 | | | 50 | | | 84 | 150 | | 118 | | |
| 17 | | | 51 | | | 85 | 150 | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | 150 | |
| 19 | | | 53 | 330 | | 87 | | | 121 | 150 | |
| 20 | 150 | | 54 | 330 | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | 330 | | 123 | | |
| 22 | | | 56 | | | 90 | 330 | | 124 | 150 | |
| 23 | | | 57 | | | 91 | 330 | | 125 | | |
| 24 | 150 | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | 330 | | 93 | | | 127 | | |
| 26 | | | 60 | 150 | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | 150 | | 129 | | |
| 28 | 150 | | 62 | 150 | | 96 | 150 | | 130 | | |
| 29 | | | 63 | | | 97 | 150 | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | 330 | | 66 | | | 100 | | | 134 | | |
| 33 | 330 | | 67 | 330 | | 101 | 330 | | 135 | | |
| 34 | 330 | | 68 | 330 | | 102 | 330 | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP. IN OHMS, 10%
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W.
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

I. JUMPER A TO B & K TO L.

REFERENCE DRAWINGS

ASSEMBLY - AC 00303
 LOGIC DIAGRAM - LQ 303
 P.C. BOARD - NE 00050

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|------------|-----|------------|-----|-----------|-----|-----------|-----|-----------|
| 1 | SCXD1 | 24 | RSOUT1 | 47 | XS2 | 70 | CS17 | 93 | BPRESET | 116 | SPARE PIN |
| 2 | SCXR1 | 25 | X(10) | 48 | Y(5) | 71 | Y51 | 94 | RESET | 117 | CS10 |
| 3 | X(12) | 26 | X(11) | 49 | Y(13) | 72 | CS07 | 95 | Y(18) | 118 | GND |
| 4 | X(18) | 27 | X(9) | 50 | GND | 73 | Y50 | 96 | Y(2) | 119 | GND |
| 5 | X(13) | 28 | Y(15) | 51 | GND | 74 | CS06 | 97 | Y(10) | 120 | Y(8) |
| 6 | X(19) | 29 | X(5) | 52 | GND | 75 | K2A | 98 | GND | 121 | Y(16) |
| 7 | X(14) | 30 | GND | 53 | Y56 | 76 | CS16 | 99 | GND | 122 | GND |
| 8 | X(20) | 31 | GND | 54 | XS1 | 77 | I2CL | 100 | GND | 123 | GND |
| 9 | X(15) | 32 | XS7 | 55 | Y(21) | 78 | RSIN2 | 101 | CS03 | 124 | SCXD0 |
| 10 | X(21) | 33 | XS6 | 56 | Y(22) | 79 | SPARE PIN | 102 | CS02 | 125 | CMAPI |
| 11 | X(22) | 34 | XS4 | 57 | Y(23) | 80 | Y55 | 103 | CS13 | 126 | SCXR0 |
| 12 | X(16) | 35 | XS5 | 58 | Y(0) | 81 | BP | 104 | CS12 | 127 | +5 |
| 13 | X(23) | 36 | Y(6) | 59 | XS0 | 82 | CS15 | 105 | SPARE PIN | 128 | +5 |
| 14 | X(17) | 37 | Y(14) | 60 | Y(20) | 83 | Y(19) | 106 | CS11 | 129 | +5 |
| 15 | X(0) | 38 | GND | 61 | Y(4) | 84 | Y(3) | 107 | Y(17) | 130 | +5 |
| 16 | X(1) | 39 | GND | 62 | Y(12) | 85 | Y(11) | 108 | Y(1) | 131 | +5 |
| 17 | X(2) | 40 | GND | 63 | GND | 86 | K2 | 109 | Y(9) | 132 | +5 |
| 18 | X(3) | 41 | B SELECT D | 64 | GND | 87 | -5 | 110 | GND | 133 | +5 |
| 19 | X(4) | 42 | XS3 | 65 | SWREQSTRBZ | 88 | -5 | 111 | GND | 134 | +5 |
| 20 | RSOUT 2 | 43 | Y(7) | 66 | RSIN1 | 89 | CS04 | 112 | GND | 135 | +5 |
| 21 | X(6) | 44 | SPARE PIN | 67 | Y54 | 90 | CS05 | 113 | CS01 | 136 | +5 |
| 22 | X(7) | 45 | SPARE PIN | 68 | Y53 | 91 | CS14 | 114 | CS00 | | |
| 23 | X(8) | 46 | Y57 | 69 | Y52 | 92 | STOPA | 115 | DGO | | |

| | | | | |
|-------------|--------------------------|------------------------------------------|-----------|----------|
| .O | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| NO. AC00263 | DESIGNED | TITLE | | |
| | DES. CHK'D | REQUEST STROBE WITH CABLE TERM. ASSEMBLY | | |
| | DRAWN Carter 12/17/69 | PROJECT | AMC UIA10 | |
| | DWG. CHK'D R 12/31/69 | SHEET | OF | NO. |
| SCALE ~ | 1 | 1 | AC00263.C | |

| | RESISTOR VALUE | RESISTOR VALUE | RESISTOR VALUE |
|----|----------------|----------------|----------------|
| 1 | 150 | 102 | 150 |
| 2 | 150 | 102 | 150 |
| 3 | 150 | 102 | 150 |
| 4 | 150 | 102 | 150 |
| 5 | 150 | 102 | 150 |
| 6 | 150 | 102 | 150 |
| 7 | 150 | 102 | 150 |
| 8 | 150 | 102 | 150 |
| 9 | 150 | 102 | 150 |
| 10 | 150 | 102 | 150 |
| 11 | 150 | 102 | 150 |
| 12 | 150 | 102 | 150 |
| 13 | 150 | 102 | 150 |
| 14 | 150 | 102 | 150 |
| 15 | 150 | 102 | 150 |
| 16 | 150 | 102 | 150 |
| 17 | 150 | 102 | 150 |
| 18 | 150 | 102 | 150 |
| 19 | 150 | 102 | 150 |
| 20 | 150 | 102 | 150 |
| 21 | 150 | 102 | 150 |
| 22 | 150 | 102 | 150 |
| 23 | 150 | 102 | 150 |
| 24 | 150 | 102 | 150 |
| 25 | 150 | 102 | 150 |
| 26 | 150 | 102 | 150 |
| 27 | 150 | 102 | 150 |
| 28 | 150 | 102 | 150 |
| 29 | 150 | 102 | 150 |
| 30 | 150 | 102 | 150 |
| 31 | 150 | 102 | 150 |
| 32 | 150 | 102 | 150 |
| 33 | 150 | 102 | 150 |
| 34 | 150 | 102 | 150 |
| 35 | 150 | 102 | 150 |
| 36 | 150 | 102 | 150 |

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 1 | GND | 24 | GND | 47 | GND | 70 | CS17 | 93 | GND |
| 2 | -5V | 25 | XCS | 48 | XCS | 71 | GND | 94 | GND |
| 3 | XCS | 26 | GND | 49 | GND | 72 | CS17 | 95 | XCS |
| 4 | GOS (23) | 27 | GND | 50 | GOS (20) | 73 | GND | 96 | GND |
| 5 | YES | 28 | YES | 51 | YES | 74 | CS6 | 97 | GND |
| 6 | GND | 29 | GND | 52 | GND | 75 | GND | 98 | CS3 |
| 7 | XCS | 30 | XCS | 53 | XCS | 76 | CS8 | 99 | GND |
| 8 | GND | 31 | GND | 54 | GND | 77 | GND | 100 | CS9 |
| 9 | CS | 32 | CS | 55 | GND | 78 | GOS (18) | 101 | GND |
| 10 | GND | 33 | GND | 56 | XCS | 79 | CS3 | 102 | CS2 |
| 11 | XCS | 34 | XCS | 57 | GND | 80 | GND | 103 | GND |
| 12 | XCS | 35 | GND | 58 | XCS | 81 | XCS | 104 | CS12 |
| 13 | YES | 36 | GOS (20) | 59 | GND | 82 | GND | 105 | GND |
| 14 | YES | 37 | B(6) | 60 | XCS | 83 | GND | 106 | GOS (16) |
| 15 | XCS | 38 | GND | 61 | GND | 84 | CS5 | 107 | GND |
| 16 | YES | 39 | XCS | 62 | XCS | 85 | GND | 108 | GND |
| 17 | XCS | 40 | GND | 63 | GND | 86 | CS5 | 109 | XCS |
| 18 | XCS | 41 | GND | 64 | GOS (19) | 87 | GND | 110 | CS11 |
| 19 | GND | 42 | XCS | 65 | B(6) | 88 | CS4 | 111 | GND |
| 20 | GOS (22) | 43 | GND | 66 | GND | 89 | GND | 112 | CS1 |
| 21 | GND | 44 | YES | 67 | XCS | 90 | CS14 | 113 | GND |
| 22 | YES | 45 | GND | 68 | GND | 91 | GND | 114 | CS4 |
| 23 | XCS | 46 | YES | 69 | GND | 92 | GOS (17) | 115 | TOS |

SLOT POSITIONS

CPU-1 TIA II
 AMC UIA II
 CHIO WIA II

ALL TERMINATOR RESISTORS ARE CARBON COMP. IN OHMS 10%.

ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W

REFERENCE DRAWINGS
 ASSEMBLY - ACC00245
 LOGIC DIAGRAM - L00245
 PC BOARD - NE00025

ALL TERMINATOR RESISTORS ARE CARBON COMP. IN OHMS 10%.

NOTES:

| | | | | |
|-----------|-------------------------------|------------------------|-------|-----------|
| 0 | RELEASED | | | |
| NO | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| ACC00282 | DESIGNED | TITLE | | |
| | DES. CHG'D | O.S. REGISTER ASSEMBLY | | |
| | DRAWN <i>Car...</i> | PROJECT | | |
| | DATE CHG'D <i>12/22/69</i> | AMC, CHIO, CPU-1 | | |
| SCALE | SHEET | OF | NO | AC00282 B |



Berkeley
Computer
Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | | | 35 | 91Ω | 5 | 69 | | | 103 | | |
| 2 | 150Ω | 10 | 36 | | | 70 | | | 104 | | |
| 3 | 150Ω | 10 | 37 | | | 71 | | | 105 | | |
| 4 | 150Ω | 10 | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | 91Ω | 5 |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | 150Ω | 10 | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | 150Ω | 10 | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | 150Ω | 10 |
| 12 | 150Ω | 10 | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | 91Ω | 5 | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | 91Ω | 5 | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | 150Ω | 10 | 51 | | | 85 | | | 119 | 91Ω | 5 |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | 150Ω | 10 | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | 150Ω | 10 | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | 91Ω | 5 | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | 91Ω | 5 | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | 91Ω | 5 | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | 150Ω | 10 | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | 150Ω | 10 | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 1 | BL0 | 24 | GM(23) | 47 | M1(21) | 70 | LZY | 93 | GND | 116 | BL(16) |
| 2 | BR0 | 25 | Y(23) | 48 | GM(21) | 71 | GND | 94 | M(18) | 117 | GND |
| 3 | BR2 | 26 | Z(23) | 49 | Y(21) | 72 | GND | 95 | M1(18) | 118 | M(16) |
| 4 | BR3 | 27 | GND | 50 | Z(21) | 73 | LMM2 | 96 | GM(18) | 119 | M1(16) |
| 5 | MCLOCK1 | 28 | GND | 51 | GND | 74 | LMM2 | 97 | Y(18) | 120 | GM(16) |
| 6 | QCLOCK | 29 | M2(22) | 52 | SFAPE | 75 | GND | 98 | Z(18) | 121 | Y(16) |
| 7 | MCLOCK2 | 30 | BR(22) | 53 | M2(20) | 76 | GND | 99 | GND | 122 | Z(16) |
| 8 | BL3 | 31 | X(22) | 54 | BR(20) | 77 | M2(19) | 100 | GND | 123 | LQX |
| 9 | MCLOCK3 | 32 | BL(22) | 55 | X(20) | 78 | BR(19) | 101 | M2(17) | 124 | LMM1 |
| 10 | BL1 | 33 | GND | 56 | BL(20) | 79 | X(19) | 102 | BR(17) | 125 | LQY |
| 11 | MCLOCK1 | 34 | M(22) | 57 | GND | 80 | BL(19) | 103 | X(17) | 126 | LMXA |
| 12 | BR1 | 35 | M1(22) | 58 | M(20) | 81 | GND | 104 | BL(17) | 127 | +5 |
| 13 | ZCLOCK | 36 | GM(22) | 59 | M1(20) | 82 | M(19) | 105 | GND | 128 | +5 |
| 14 | BL2 | 37 | Y(22) | 60 | GM(20) | 83 | M1(19) | 106 | M(17) | 129 | +5 |
| 15 | GND | 38 | Z(22) | 61 | Y(20) | 84 | GM(19) | 107 | M1(17) | 130 | +5 |
| 16 | GND | 39 | GND | 62 | Z(20) | 85 | Y(19) | 108 | GM(17) | 131 | +5 |
| 17 | M2(23) | 40 | GND | 63 | GND | 86 | Z(19) | 109 | Y(17) | 132 | +5 |
| 18 | BR(23) | 41 | M2(21) | 64 | GND | 87 | GND | 110 | Z(17) | 133 | +5 |
| 19 | X(23) | 42 | BR(21) | 65 | GND | 88 | LMYA | 111 | GND | 134 | +5 |
| 20 | BL(23) | 43 | X(21) | 66 | GND | 89 | M2(18) | 112 | GND | 135 | +5 |
| 21 | GND | 44 | BL(21) | 67 | GND | 90 | BR(18) | 113 | M2(16) | 136 | +5 |
| 22 | M(23) | 45 | GND | 68 | GND | 91 | X(18) | 114 | BR(16) | | |
| 23 | M1(23) | 46 | M(21) | 69 | LZX | 92 | BL(18) | 115 | X(16) | | |

REFERENCE DRAWINGS

ASSEMBLY - AC00246
 LOGIC DIAGRAM - L00246
 P.C. BOARD - NE00008

| | | | | |
|-----------|------------------------------------|---------------------------|-------|-----------|
| NO. | RELEASED | DATE | DRAWN | APPROVED |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC00264 | DESIGNED | TITLE | | |
| | DES. CHK'D | M.Q.Z. REGISTER | | |
| | DRAWN 12/22/69 M.M. | BITS (16-23) | | |
| | DWG. CHK'D 12/23/69 D. MORRISON | ASSEMBLY | | |
| SCALE | PROJECT | AMC & CHIO (UIA12, WIA12) | | |
| | SHEET | OF | NO. | |
| | 1 | 1 | | AC00264.B |



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TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | 150Ω | 10 | 35 | 150Ω | 10 | 69 | | | 103 | | |
| 2 | 150Ω | 10 | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | 150Ω | 10 | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | 150Ω | 10 |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | 150Ω | 10 | 41 | 150Ω | 10 | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | 150Ω | 10 | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | 150Ω | 10 |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | 150Ω | 10 | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | 150Ω | 10 | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | 150Ω | 10 | 51 | | | 85 | | | 119 | 150Ω | 10 |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | 150Ω | 10 | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | 150Ω | 10 | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | 150Ω | 10 | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | 150Ω | 10 | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | 150Ω | 10 | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | 150Ω | 10 | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | 150Ω | 10 | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W.
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

REFERENCE DRAWINGS

ASSEMBLY - ACO0247
 LOGIC DIAGRAM - L00247
 P.C. BOARD - NE00005

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 1 | TCX | 24 | GND. | 47 | C(21) | 70 | C16C | 93 | GND. | 116 | X(16) |
| 2 | LOC | 25 | GND. | 48 | BL(3) | 71 | GND. | 94 | GND. | 117 | LCY1B |
| 3 | LOC | 26 | GND. | 49 | GND. | 72 | C16F | 95 | C(18) | 118 | C16D |
| 4 | LOC | 27 | GND. | 50 | BL(11) | 73 | GND. | 96 | GND. | 119 | C(16) |
| 5 | LOC | 28 | GND. | 51 | GND. | 74 | BL(8) | 97 | GND. | 120 | LCY1A |
| 6 | LOC | 29 | BR(22) | 52 | GND. | 75 | GND. | 98 | BL(1) | 121 | LCY2A |
| 7 | TAX | 30 | GND. | 53 | BR(20) | 76 | BL(0) | 99 | BL(5) | 122 | LCY3A |
| 8 | TAX A | 31 | BL(22) | 54 | GND. | 77 | BR(19) | 100 | BL(13) | 123 | LCY2B |
| 9 | LCY16A | 32 | X(22) | 55 | BL(20) | 78 | GND. | 101 | BR(17) | 124 | LCY4B |
| 10 | TAX B | 33 | GND. | 56 | X(20) | 79 | BL(19) | 102 | GND. | 125 | LCY3B |
| 11 | LCY16B | 34 | GND. | 57 | GND. | 80 | X(19) | 103 | BL(17) | 126 | LCY4A |
| 12 | LCY8B | 35 | C(22) | 58 | GND. | 81 | GND. | 104 | X(17) | 127 | +5 |
| 13 | LCY20B | 36 | BL(6) | 59 | C(20) | 82 | BL(4) | 105 | GND. | 128 | +5 |
| 14 | LCY8A | 37 | GND. | 60 | GND. | 83 | C(19) | 106 | GND. | 129 | +5 |
| 15 | LCY20A | 38 | BL(2) | 61 | GND. | 84 | BL(12) | 107 | C(17) | 130 | +5 |
| 16 | LCY12B | 39 | BL(10) | 62 | GND. | 85 | GND. | 108 | GND. | 131 | +5 |
| 17 | BR(23) | 40 | BL(14) | 63 | GND. | 86 | GND. | 109 | GND. | 132 | +5 |
| 18 | LCY12A | 41 | BR(21) | 64 | GND. | 87 | GND. | 110 | BL(9) | 133 | +5 |
| 19 | BL(23) | 42 | GND. | 65 | GND. | 88 | GND. | 111 | GND. | 134 | +5 |
| 20 | X(23) | 43 | BL(21) | 66 | C16B | 89 | BR(18) | 112 | FLUSH | 135 | +5 |
| 21 | LOC | 44 | X(21) | 67 | GND. | 90 | GND. | 113 | BR(16) | 136 | +5 |
| 22 | GND. | 45 | BL(15) | 68 | C16E | 91 | BL(18) | 114 | C16A | | |
| 23 | C(23) | 46 | BL(7) | 69 | GND. | 92 | X(18) | 115 | BL(16) | | |

| | | | | |
|-----------|------------------------|---------------------------|-------|-----------|
| .0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| ACO0267 | DESIGNED | TITLE | | |
| | DES. CHK'D | ADDER CYCLER | | |
| | DRAWN 12/20/69 M.M. | BITS (16-23) | | |
| | DWG. CHK'D 12/23/69 | ASSEMBLY | | |
| SCALE | PROJECT | AMC & CHIO (U1A13, W1A13) | | |
| | SHEET | OF | NO. | |
| | 1 | 1 | | ACO0267.C |



Berkeley
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Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | | | 69 | 150 | | 103 | | | | | |
| 2 | | | 70 | 150 | | 104 | 150 | | | | |
| 3 | 150 | | 71 | | | 105 | | | | | |
| 4 | | | 72 | 150 | | 106 | 150 | | | | |
| 5 | | | 73 | 150 | | 107 | | | | | |
| 6 | | | 74 | | | 108 | | | | | |
| 7 | 150 | | 75 | 150 | | 109 | | | | | |
| 8 | | | 76 | | | 110 | 150 | | | | |
| 9 | 150 | | 77 | | | 111 | | | | | |
| 10 | | | 78 | 150 | | 112 | 150 | | | | |
| 11 | | | 79 | | | 113 | 150 | | | | |
| 12 | | | 80 | 150 | | 114 | 150 | | | | |
| 13 | | | 81 | | | 115 | | | | | |
| 14 | | | 82 | 150 | | 116 | 150 | | | | |
| 15 | | | 83 | | | 117 | | | | | |
| 16 | | | 84 | | | 118 | 150 | | | | |
| 17 | | | 85 | | | 119 | | | | | |
| 18 | | | 86 | | | 120 | | | | | |
| 19 | | | 87 | 150 | | 121 | | | | | |
| 20 | | | 88 | | | 122 | | | | | |
| 21 | | | 89 | | | 123 | | | | | |
| 22 | | | 90 | | | 124 | | | | | |
| 23 | | | 91 | | | 125 | | | | | |
| 24 | | | 92 | 150 | | 126 | | | | | |
| 25 | | | 93 | | | 127 | | | | | |
| 26 | | | 94 | 150 | | 128 | | | | | |
| 27 | | | 95 | | | 129 | | | | | |
| 28 | 150 | | 96 | | | 130 | | | | | |
| 29 | | | 97 | | | 131 | | | | | |
| 30 | 150 | | 98 | | | 132 | | | | | |
| 31 | | | 99 | | | 133 | | | | | |
| 32 | 150 | | 100 | | | 134 | | | | | |
| 33 | | | 101 | | | 135 | | | | | |
| 34 | | | 102 | | | 136 | | | | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

IN OHMS, 10%

REFERENCE DRAWINGS

ASSEMBLY - AC 00248
 LOGIC DIAGRAM - L00248
 PC BOARD - NE 00004

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|---------|-----|----------|-----|----------|-----|---------|-----|---------|
| 1 | GND | 24 | Y(23) | 47 | C(21) | 70 | RRN1 | 93 | SP(18) | 116 | E2(16) |
| 2 | GR0(22) | 25 | R0(22) | 48 | Y(21) | 71 | R5 CLOCK | 94 | E2(18) | 117 | SP(16) |
| 3 | TYW | 26 | R0(23) | 49 | GOS(21) | 72 | RRN1 | 95 | C(18) | 118 | TSPY |
| 4 | GND | 27 | GR0(23) | 50 | R0 CLOCK | 73 | RRN2 | 96 | Y(18) | 119 | C(16) |
| 5 | PU1 | 28 | TXW | 51 | GND | 74 | R4 CLOCK | 97 | GOS(18) | 120 | Y(16) |
| 6 | GND | 29 | GND | 52 | GND | 75 | RRN0 | 98 | GR0(17) | 121 | GOS(16) |
| 7 | E1(23) | 30 | E1(22) | 53 | R0(20) | 76 | R3 CLOCK | 99 | GND | 122 | GR0(16) |
| 8 | GND | 31 | X(22) | 54 | E1(20) | 77 | R0(19) | 100 | GND | 123 | R0(16) |
| 9 | E2(23) | 32 | E2(22) | 55 | X(20) | 78 | E1(19) | 101 | R0(17) | 124 | GND |
| 10 | GOS(23) | 33 | SP(22) | 56 | E2(20) | 79 | X(19) | 102 | GND | 125 | GND |
| 11 | GND | 34 | GOS(22) | 57 | SP(20) | 80 | E2(19) | 103 | X(17) | 126 | GND |
| 12 | GND | 35 | C(22) | 58 | CH20 | 81 | SP(19) | 104 | E1(17) | 127 | +5 |
| 13 | GND | 36 | Y(22) | 59 | C(20) | 82 | TE2Y | 105 | SP(17) | 128 | +5 |
| 14 | GND | 37 | GR0(21) | 60 | Y(20) | 83 | C(19) | 106 | E2(17) | 129 | +5 |
| 15 | GND | 38 | R0(21) | 61 | GOS(20) | 84 | Y(19) | 107 | C(17) | 130 | +5 |
| 16 | GND | 39 | PU1 | 62 | GR0(20) | 85 | GOS(19) | 108 | Y(17) | 131 | +5 |
| 17 | GND | 40 | PU1 | 63 | R2 CLOCK | 86 | GR0(19) | 109 | GOS(17) | 132 | +5 |
| 18 | GND | 41 | GND | 64 | R1 CLOCK | 87 | TE1Y | 110 | TCY | 133 | +5 |
| 19 | X(23) | 42 | E1(21) | 65 | -5 | 88 | GR0(18) | 111 | CH16 | 134 | +5 |
| 20 | GND | 43 | X(21) | 66 | -5 | 89 | R0(18) | 112 | IHR | 135 | +5 |
| 21 | SP(23) | 44 | E2(21) | 67 | R6 CLOCK | 90 | GND | 113 | THY | 136 | +5 |
| 22 | GND | 45 | SP(21) | 68 | RRN2 | 91 | X(18) | 114 | E1(16) | | |
| 23 | C(23) | 46 | PU1 | 69 | RRN0 | 92 | E1(18) | 115 | X(16) | | |

| | | | | |
|------------|-------------------------------------|------------------------|-------|-----------|
| 0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC00067 | DESIGNED | TITLE | | |
| | DES. CHK'D | HOLDING REGISTER | | |
| | DRAWN <i>Cartin 12/21/69</i> | BITS 16 - 23 | | |
| | DWG. CHK'D 12-23-69 D. MORENO | ASSEMBLY | | |
| SCALE ~ | PROJECT | AMC & CHIO UIA14-WIA14 | | |
| | SHEET | OF | NO. | |
| | 1 | 1 | | AC00270.B |



Berkeley
Computer
Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | | | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 1 | GND | 24 | GND | 47 | GND | 70 | SXS0 | 93 | SP(18)▼ | 116 | X(16) |
| 2 | SYS7 | 25 | GND | 48 | GND | 71 | GND | 94 | GND | 117 | SP(16)▼ |
| 3 | GND | 26 | GND | 49 | GND | 72 | SXS1 | 95 | GND | 118 | +10 |
| 4 | SYS4 | 27 | GND | 50 | GND | 73 | GND | 96 | GND | 119 | +10 |
| 5 | GND | 28 | GND | 51 | GND | 74 | SXS2 | 97 | GND | 120 | +10 |
| 6 | AD0▼ | 29 | GND | 52 | GND | 75 | GND | 98 | GND | 121 | +10 |
| 7 | GND | 30 | GND | 53 | GND | 76 | GND | 99 | GND | 122 | +10 |
| 8 | WS▼ | 31 | GND | 54 | GND | 77 | GND | 100 | GND | 123 | -5 |
| 9 | GND | 32 | X(22) | 55 | GND | 78 | GND | 101 | GND | 124 | -5 |
| 10 | SYS5 | 33 | SP(22)▼ | 56 | X(20) | 79 | GND | 102 | GND | 125 | -5 |
| 11 | GND | 34 | GND | 57 | SP(20)▼ | 80 | X(19) | 103 | GND | 126 | -5 |
| 12 | SYS6 | 35 | GND | 58 | GND | 81 | SP(19)▼ | 104 | X(17) | 127 | +5 |
| 13 | GND | 36 | GND | 59 | GND | 82 | GND | 105 | SP(17)▼ | 128 | +5 |
| 14 | GND | 37 | GND | 60 | SYS0 | 83 | GND | 106 | GND | 129 | +5 |
| 15 | GND | 38 | GND | 61 | GND | 84 | GND | 107 | GND | 130 | +5 |
| 16 | GND | 39 | GND | 62 | SYS3 | 85 | GND | 108 | GND | 131 | +5 |
| 17 | GND | 40 | GND | 63 | GND | 86 | GND | 109 | GND | 132 | +5 |
| 18 | GND | 41 | GND | 64 | SYS2 | 87 | GND | 110 | GND | 133 | +5 |
| 19 | GND | 42 | GND | 65 | GND | 88 | GND | 111 | GND | 134 | +5 |
| 20 | X(23) | 43 | GND | 66 | SYS1 | 89 | GND | 112 | GND | 135 | +5 |
| 21 | SP(23)▼ | 44 | X(21) | 67 | GND | 90 | GND | 113 | GND | 136 | +5 |
| 22 | GND | 45 | SP(21)▼ | 68 | SXS3 | 91 | GND | 114 | GND | | |
| 23 | GND | 46 | GND | 69 | GND | 92 | X(18) | 115 | GND | | |

SLOT POSITION

U1A15 - AMC
 W1A15 - CHIO
 W2A15 - μSCHED.

COPY

REFERENCE DRAWINGS

ASSEMBLY - AC00249
 LOGIC DIAGRAM - L00249
 P.C. BOARD - NE00009

| | | | | |
|-----------|---------------------------------|-----------------------|-----------|----------|
| .0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC00067 | DESIGNED | TITLE | | |
| | DES. CHK'D | SCRATCH PAD WITH MINI | | |
| | DRAWN 12/23/69 M.M. | MOD SP0 (BITS 16-23) | | |
| | DWG. CHK'D 12-23-69 D.MORENO | ASSEMBLY | | |
| SCALE | PROJECT | PROJECT | | |
| ~ | μSCH, AMC & CHIO | NO. | | |
| | SHEET | OF | NO. | |
| | 1 | 1 | AC00067.A | |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | 330Ω | 10 |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | 330Ω | 10 | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | 330Ω | 10 | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | 330Ω | 10 |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | 330Ω | 10 | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | | | 123 | | |
| 22 | | | 56 | 330Ω | 10 | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | 330Ω | 10 | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | 330Ω | 10 | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 1 | GND | 24 | GND | 47 | GND | 70 | SXS0 | 93 | SP(18)▼ | 116 | X(16) |
| 2 | SYS7 | 25 | GND | 48 | GND | 71 | GND | 94 | GND | 117 | SP(16)▼ |
| 3 | GND | 26 | GND | 49 | GND | 72 | SXS1 | 95 | GND | 118 | +10 |
| 4 | SYS4 | 27 | GND | 50 | GND | 73 | GND | 96 | GND | 119 | +10 |
| 5 | GND | 28 | GND | 51 | GND | 74 | SXS2 | 97 | GND | 120 | +10 |
| 6 | AD1▼ | 29 | GND | 52 | GND | 75 | GND | 98 | GND | 121 | +10 |
| 7 | GND | 30 | GND | 53 | GND | 76 | GND | 99 | GND | 122 | +10 |
| 8 | WS▼ | 31 | GND | 54 | GND | 77 | GND | 100 | GND | 123 | -5 |
| 9 | GND | 32 | X(22) | 55 | GND | 78 | GND | 101 | GND | 124 | -5 |
| 10 | SYS5 | 33 | SP(22)▼ | 56 | X(20) | 79 | GND | 102 | GND | 125 | -5 |
| 11 | GND | 34 | GND | 57 | SP(20)▼ | 80 | X(19) | 103 | GND | 126 | -5 |
| 12 | SYS6 | 35 | GND | 58 | GND | 81 | SP(19)▼ | 104 | X(17) | 127 | +5 |
| 13 | GND | 36 | GND | 59 | GND | 82 | GND | 105 | SP(17)▼ | 128 | +5 |
| 14 | GND | 37 | GND | 60 | SYS0 | 83 | GND | 106 | GND | 129 | +5 |
| 15 | GND | 38 | GND | 61 | GND | 84 | GND | 107 | GND | 130 | +5 |
| 16 | GND | 39 | GND | 62 | SYS3 | 85 | GND | 108 | GND | 131 | +5 |
| 17 | GND | 40 | GND | 63 | GND | 86 | GND | 109 | GND | 132 | +5 |
| 18 | GND | 41 | GND | 64 | SYS2 | 87 | GND | 110 | GND | 133 | +5 |
| 19 | GND | 42 | GND | 65 | GND | 88 | GND | 111 | GND | 134 | +5 |
| 20 | X(23) | 43 | GND | 66 | SYS1 | 89 | GND | 112 | GND | 135 | +5 |
| 21 | SP(23)▼ | 44 | X(21) | 67 | GND | 90 | GND | 113 | GND | 136 | +5 |
| 22 | GND | 45 | SP(21)▼ | 68 | SXS3 | 91 | GND | 114 | GND | | |
| 23 | GND | 46 | GND | 69 | GND | 92 | X(18) | 115 | GND | | |

SLOT POSITION

U1A16 - AMC
 W1A16 - CHIO
 W2A16 - μSCHED.

REFERENCE DRAWINGS

ASSEMBLY - ACO0249
 LOGIC DIAGRAM - LO0249
 P.C. BOARD - NE00009

| | | | | |
|-----------|-----------------------------------------|-----------------------|-------|-----------|
| .O | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| ACO0070 | DESIGNED | TITLE | | |
| | DES. CHK'D | SCRATCH PAD WITH MINI | | |
| | DRAWN 12/23/69 <i>M.M.</i> | MOD SP1 (BITS 16-23) | | |
| | DWG. CHK'D 12-23-69 <i>D. MORENO</i> | ASSEMBLY | | |
| SCALE | PROJECT | PROJECT | | |
| ~ | μSCH, AMC & CHIO | μSCH, AMC & CHIO | | |
| | SHEET | OF | NO. | |
| | 1 | 1 | | ACO0070.A |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | | | 35 | 330Ω | 10 | 69 | | | 103 | 330Ω | 10 |
| 2 | | | 36 | 330Ω | 10 | 70 | | | 104 | 330Ω | 10 |
| 3 | | | 37 | | | 71 | | | 105 | 330Ω | 10 |
| 4 | | | 38 | | | 72 | | | 106 | 330Ω | 10 |
| 5 | | | 39 | | | 73 | | | 107 | 330Ω | 10 |
| 6 | | | 40 | | | 74 | | | 108 | 330Ω | 10 |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | 330Ω | 10 |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | 91Ω | 5 | 119 | | |
| 18 | | | 52 | | | 86 | 150Ω | 10 | 120 | | |
| 19 | | | 53 | 330Ω | 10 | 87 | 150Ω | 10 | 121 | | |
| 20 | | | 54 | | | 88 | 330Ω | 10 | 122 | | |
| 21 | | | 55 | | | 89 | 150Ω | 10 | 123 | | |
| 22 | | | 56 | | | 90 | 150Ω | 10 | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | 150Ω | 10 | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | 150Ω | 10 | 96 | | | 130 | | |
| 29 | 330Ω | 10 | 63 | | | 97 | | | 131 | | |
| 30 | 330Ω | 10 | 64 | | | 98 | | | 132 | | |
| 31 | 330Ω | 10 | 65 | | | 99 | | | 133 | | |
| 32 | 330Ω | 10 | 66 | | | 100 | | | 134 | | |
| 33 | 330Ω | 10 | 67 | | | 101 | | | 135 | | |
| 34 | 330Ω | 10 | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|--------|-----|--------|-----|-----------|-----|----------|-----|---------|-----|--------|
| 1 | GND | 24 | GND | 47 | CMPE0 | 70 | -5 | 93 | MCLOCK1 | 116 | R0(10) |
| 2 | GND | 25 | M(12) | 48 | LMPE0 | 71 | -5 | 94 | MCLOCK2 | 117 | R0(6) |
| 3 | GND | 26 | M(13) | 49 | CMPE1 | 72 | -5 | 95 | GND | 118 | R0(9) |
| 4 | GND | 27 | M(14) | 50 | LMPE1 | 73 | GND | 96 | PU1 | 119 | GND |
| 5 | GND | 28 | M(15) | 51 | CMPE | 74 | GND | 97 | GND | 120 | R0(8) |
| 6 | GND | 29 | M(16) | 52 | CMPE1 | 75 | GND | 98 | GND | 121 | GND |
| 7 | M(0) | 30 | M(17) | 53 | K2 | 76 | GND | 99 | GND | 122 | GND |
| 8 | M(1) | 31 | M(18) | 54 | PAR1OUT | 77 | GND | 100 | GND | 123 | GND |
| 9 | M(2) | 32 | M(19) | 55 | LMPAR1OUT | 78 | GND | 101 | GND | 124 | GND |
| 10 | M(3) | 33 | M(20) | 56 | PAR0OUT | 79 | GND | 102 | GND | 125 | GND |
| 11 | M(4) | 34 | M(21) | 57 | PU2 | 80 | GND | 103 | R0(19) | 126 | GND |
| 12 | M(5) | 35 | M(22) | 58 | LMPAR0OUT | 81 | GND | 104 | R0(22) | 127 | +5 |
| 13 | M(6) | 36 | M(23) | 59 | FCY | 82 | GND | 105 | R0(18) | 128 | +5 |
| 14 | M(7) | 37 | GND | 60 | SCY | 83 | PAR1IN | 106 | R0(21) | 129 | +5 |
| 15 | M(8) | 38 | GND | 61 | GND | 84 | APAR | 107 | R0(17) | 130 | +5 |
| 16 | M(9) | 39 | GND | 62 | MPREQ | 85 | PAR0IN | 108 | R0(20) | 131 | +5 |
| 17 | M(10) | 40 | GND | 63 | GND | 86 | BRTEST | 109 | R0(13) | 132 | +5 |
| 18 | M(11) | 41 | GND | 64 | GND | 87 | LMPAR1IN | 110 | R0(16) | 133 | +5 |
| 19 | GND | 42 | GND | 65 | GND | 88 | TCMP | 111 | R0(12) | 134 | +5 |
| 20 | GND | 43 | LMPE1 | 66 | GND | 89 | LMPAR0IN | 112 | R0(15) | 135 | +5 |
| 21 | GND | 44 | CMPE0 | 67 | -5 | 90 | TLMP | 113 | R0(11) | 136 | +5 |
| 22 | GND | 45 | LMPE | 68 | -5 | 91 | SWCMP | 114 | R0(14) | | |
| 23 | GND | 46 | LMPE0 | 69 | -5 | 92 | SWLMP | 115 | R0(7) | | |

REFERENCE DRAWINGS

ASSEMBLY - AC00250
 LOGIC DIAGRAM - L00250
 P.C. BOARD - NE00043

| | | | | |
|------------|----------------------------------|--------------------------------------|--------------|--------------|
| .O | RELEASED | | | |
| NO | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| NO AC00273 | DESIGNED | TITLE PARITY CHECKER | | |
| | DES. CHK'D | ASSEMBLY | | |
| | DRAWN 12/24/69 M.M. | PROJECT AMC & CHIO (UIA17, WIA17) | | |
| | DWG. CHK'D 12-24-69 D. MORENO | SCALE | SHEET 1 OF 1 | NO AC00273.B |



Berkeley
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Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|--------------|----|-----|--------------|----|-----|--------------|----|-----|--------------|----|
| 1 | | | 35 | 91 Ω | 5 | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | 91 Ω | 5 |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | 150 Ω | 10 | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | 150 Ω | 10 | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | 150 Ω | 10 |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | 91 Ω | 5 | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | 91 Ω | 5 | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | 150 Ω | 10 | 51 | | | 85 | | | 119 | 91 Ω | 5 |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | 150 Ω | 10 | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | 150 Ω | 10 | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | 91 Ω | 5 | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | 91 Ω | 5 | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | 91 Ω | 5 | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | 150 Ω | 10 | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | 150 Ω | 10 | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS $> 120 \Omega$ ARE 1/8 W
 ALL TERMINATOR RESISTORS $\leq 120 \Omega$ ARE 1/4 W.

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 1 | BL0 | 24 | GM(15) | 47 | M1(13) | 70 | LZY | 93 | GND. | 116 | BL(8) |
| 2 | BR0 | 25 | Y(15) | 48 | GM(13) | 71 | GND | 94 | M(10) | 117 | GND. |
| 3 | BR2 | 26 | Z(15) | 49 | Y(13) | 72 | GND | 95 | M1(10) | 118 | M(8) |
| 4 | BR3 | 27 | GND | 50 | Z(13) | 73 | LMM2 | 96 | GM(10) | 119 | M1(8) |
| 5 | MCLOCK1 | 28 | GND | 51 | GND | 74 | LMM2 | 97 | Y(10) | 120 | GM(8) |
| 6 | QCLOCK | 29 | M2(14) | 52 | SPARE | 75 | GND | 98 | Z(10) | 121 | Y(8) |
| 7 | MCLOCK2 | 30 | BR(14) | 53 | M2(12) | 76 | GND | 99 | GND. | 122 | Z(8) |
| 8 | BL3 | 31 | X(14) | 54 | BR(12) | 77 | M2(11) | 100 | GND. | 123 | LQX |
| 9 | MCLOCK3 | 32 | BL(14) | 55 | X(12) | 78 | BR(11) | 101 | M2(9) | 124 | LMM1 |
| 10 | BL1 | 33 | GND | 56 | BL(12) | 79 | X(11) | 102 | BR(9) | 125 | LQY |
| 11 | MCLOCK1 | 34 | M(14) | 57 | GND | 80 | BL(11) | 103 | X(9) | 126 | LMXA |
| 12 | BR1 | 35 | M1(14) | 58 | M(12) | 81 | GND | 104 | BL(9) | 127 | +5 |
| 13 | ZCLOCK | 36 | GM(14) | 59 | M1(12) | 82 | M(11) | 105 | GND. | 128 | +5 |
| 14 | BL2 | 37 | Y(14) | 60 | GM(12) | 83 | M1(11) | 106 | M(9) | 129 | +5 |
| 15 | GND | 38 | Z(14) | 61 | Y(12) | 84 | GM(11) | 107 | M1(9) | 130 | +5 |
| 16 | GND | 39 | GND | 62 | Z(12) | 85 | Y(11) | 108 | GM(9) | 131 | +5 |
| 17 | M2(15) | 40 | GND | 63 | GND | 86 | Z(11) | 109 | Y(9) | 132 | +5 |
| 18 | BR(15) | 41 | M2(13) | 64 | GND | 87 | GND | 110 | Z9 | 133 | +5 |
| 19 | X(15) | 42 | BR(13) | 65 | GND | 88 | LMYA | 111 | GND. | 134 | +5 |
| 20 | BL(15) | 43 | X(13) | 66 | GND | 89 | M2(10) | 112 | GND. | 135 | +5 |
| 21 | GND | 44 | BL(13) | 67 | GND | 90 | BR(10) | 113 | M2(8) | 136 | +5 |
| 22 | M(15) | 45 | GND | 68 | GND | 91 | X(10) | 114 | BR(8) | | |
| 23 | M1(15) | 46 | M(13) | 69 | LZX | 92 | BL(10) | 115 | X(8) | | |

SLOT POSITIONS

U/A/B
 W/A/B

REFERENCE DRAWINGS

ASSEMBLY - AC00246
 LOGIC DIAGRAM - L00246
 P.C. BOARD - NE00008

| | | | | |
|-----------|---------------------------------|-----------------------------------------|-------|-------------|
| .O | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC00265 | DESIGNED | TITLE | | |
| | DES. CHK'D | M.Q.Z. REGISTER (BITS 8-15) ASSEMBLY | | |
| | DRAWN 1-12-70 G. AZZALINA | PROJECT | | |
| | DWG. CHK'D 1-12-70 D. MORENO | AMC & CHIO | | |
| SCALE | SHEET | OF | NO | |
| | 1 | 1 | | AC00265 . C |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | | | 35 | 150Ω | 10 | 69 | | | 103 | | |
| 2 | 330Ω | 10 | 36 | | | 70 | | | 104 | | |
| 3 | 330Ω | 10 | 37 | | | 71 | | | 105 | | |
| 4 | 330Ω | 10 | 38 | | | 72 | | | 106 | | |
| 5 | 330Ω | 10 | 39 | | | 73 | | | 107 | 150Ω | 10 |
| 6 | 330Ω | 10 | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | 150Ω | 10 | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | 150Ω | 10 | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | 150Ω | 10 |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | 150Ω | 10 | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | 150Ω | 10 | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | 150Ω | 10 | 51 | | | 85 | | | 119 | 150Ω | 10 |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | 150Ω | 10 | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | 330Ω | 10 | 55 | | | 89 | 150Ω | 10 | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | 150Ω | 10 | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | 150Ω | 10 | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | 150Ω | 10 | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | 150Ω | 10 | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | 150Ω | 10 | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W.
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

REFERENCE DRAWINGS

ASSEMBLY - AC00247
 LOGIC DIAGRAM - L00247
 P.C. BOARD - NE00005

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 1 | TCX | 24 | GND. | 47 | C(13) | 70 | CBC | 93 | GND. | 116 | X(8) |
| 2 | C16D | 25 | GND. | 48 | BL(19) | 71 | GND. | 94 | GND. | 117 | LCY1B |
| 3 | C16E | 26 | GND. | 49 | GND. | 72 | CBF | 95 | C(10) | 118 | CBD |
| 4 | C16C | 27 | GND. | 50 | BL(3) | 73 | GND. | 96 | GND. | 119 | C(8) |
| 5 | C16B | 28 | GND. | 51 | GND. | 74 | BL(0) | 97 | GND. | 120 | LCY1A |
| 6 | C16A | 29 | BR(14) | 52 | GND. | 75 | GND. | 98 | BL(17) | 121 | LCY2A |
| 7 | TAX | 30 | GND. | 53 | BR(12) | 76 | BL(16) | 99 | BL(21) | 122 | LCY3A |
| 8 | TAX A | 31 | BL(14) | 54 | GND. | 77 | BR(11) | 100 | BL(5) | 123 | LCY2B |
| 9 | LCY16A | 32 | X(14) | 55 | BL(12) | 78 | GND. | 101 | BR(9) | 124 | LCY4B |
| 10 | TAX B | 33 | GND. | 56 | X(12) | 79 | BL(11) | 102 | GND. | 125 | LCY3B |
| 11 | LCY16B | 34 | GND. | 57 | GND. | 80 | X(11) | 103 | BL(9) | 126 | LCY4A |
| 12 | LCY8B | 35 | C(14) | 58 | GND. | 81 | GND. | 104 | X(9) | 127 | +5 |
| 13 | LCY20B | 36 | BL(22) | 59 | C(12) | 82 | BL(20) | 105 | GND. | 128 | +5 |
| 14 | LCY8A | 37 | GND. | 60 | GND. | 83 | C(11) | 106 | GND. | 129 | +5 |
| 15 | LCY20A | 38 | BL(18) | 61 | GND. | 84 | BL(4) | 107 | C(9) | 130 | +5 |
| 16 | LCY12B | 39 | BL(2) | 62 | GND. | 85 | GND. | 108 | GND. | 131 | +5 |
| 17 | BR(15) | 40 | BL(6) | 63 | GND. | 86 | GND. | 109 | GND. | 132 | +5 |
| 18 | LCY12A | 41 | BR(13) | 64 | GND. | 87 | GND. | 110 | BL(1) | 133 | +5 |
| 19 | BL(15) | 42 | GND. | 65 | GND. | 88 | GND. | 111 | GND. | 134 | +5 |
| 20 | X(15) | 43 | BL(13) | 66 | C8B | 89 | BR(10) | 112 | FLUSH | 135 | +5 |
| 21 | C16F | 44 | X(13) | 67 | GND. | 90 | GND. | 113 | BR(8) | 136 | +5 |
| 22 | GND. | 45 | BL(7) | 68 | C8E | 91 | BL(10) | 114 | C8A | | |
| 23 | C(15) | 46 | BL(23) | 69 | GND. | 92 | X(10) | 115 | BL(8) | | |

| | | | | |
|------------|----------------------------|---------------------------|-------|-----------|
| .O | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| NO AC00268 | DESIGNED | TITLE | | |
| | DES. CHR'D | ADDER CYCLER | | |
| | DRAWN 12-19-69 M.M. | BITS (8-15) | | |
| | DWG. CHR'D PKR 12/23/69 | ASSEMBLY | | |
| SCALE | PROJECT | AMC & CHIO (U1A19, W1A19) | | |
| | SHEET | OF | NO. | |
| | 1 | 1 | | AC00268.C |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | 150 | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | 150 | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | 150 | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | 150 | | 76 | | | 110 | | |
| 9 | 150 | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | 150 | | 78 | 150 | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | 150 | | 114 | 150 | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | 150 | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | 150 | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | | | 123 | | |
| 22 | | | 56 | 150 | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | 150 | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | 150 | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | 150 | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | 150 | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|---------|-----|----------|-----|----------|-----|---------|-----|--------|
| 1 | CH20 | 24 | Y(15) | 47 | C(13) | 70 | RRN1 | 93 | SP(10) | 116 | E2(8) |
| 2 | GR0(14) | 25 | R0(14) | 48 | Y(13) | 71 | R5 CLOCK | 94 | E2(10) | 117 | SP(8) |
| 3 | TYW | 26 | R0(15) | 49 | GOS(13) | 72 | RRN1 | 95 | C(10) | 118 | TSPY |
| 4 | CH16 | 27 | GR0(15) | 50 | R0 CLOCK | 73 | RRN2 | 96 | Y(10) | 119 | C(8) |
| 5 | PU1 | 28 | TXW | 51 | GND | 74 | R4 CLOCK | 97 | GOS(10) | 120 | Y(8) |
| 6 | CH20 | 29 | GND | 52 | GND | 75 | RRN0 | 98 | GR0(9) | 121 | GOS(8) |
| 7 | E1(15) | 30 | E1(14) | 53 | R0(12) | 76 | R3 CLOCK | 99 | GND | 122 | GR0(8) |
| 8 | CH16 | 31 | X(14) | 54 | E1(12) | 77 | R0(11) | 100 | GND | 123 | R0(8) |
| 9 | E2(15) | 32 | E2(14) | 55 | X(12) | 78 | E1(11) | 101 | R0(9) | 124 | GND |
| 10 | GOS(15) | 33 | SP(14) | 56 | E2(12) | 79 | X(11) | 102 | GND | 125 | GND |
| 11 | GND | 34 | GOS(14) | 57 | SP(12) | 80 | E2(11) | 103 | X(9) | 126 | GND |
| 12 | GND | 35 | C(14) | 58 | CH12 | 81 | SP(11) | 104 | E1(9) | 127 | +5 |
| 13 | GND | 36 | Y(14) | 59 | C(12) | 82 | TEZY | 105 | SP(9) | 128 | +5 |
| 14 | GND | 37 | GR0(13) | 60 | Y(12) | 83 | C(11) | 106 | E2(9) | 129 | +5 |
| 15 | GND | 38 | R0(13) | 61 | GOS(12) | 84 | Y(11) | 107 | C(9) | 130 | +5 |
| 16 | GND | 39 | PU1 | 62 | GR0(12) | 85 | GOS(11) | 108 | Y(9) | 131 | +5 |
| 17 | GND | 40 | PU1 | 63 | R2 CLOCK | 86 | GR0(11) | 109 | GOS(9) | 132 | +5 |
| 18 | GND | 41 | GND | 64 | R1 CLOCK | 87 | TE1Y | 110 | TCY | 133 | +5 |
| 19 | X(15) | 42 | E1(13) | 65 | -5 | 88 | GR0(10) | 111 | CH8 | 134 | +5 |
| 20 | GND | 43 | X(13) | 66 | -5 | 89 | R0(10) | 112 | IHR | 135 | +5 |
| 21 | SP(15) | 44 | E2(13) | 67 | R6 CLOCK | 90 | GND | 113 | THY | 136 | +5 |
| 22 | GND | 45 | SP(13) | 68 | RRN2 | 91 | X(10) | 114 | E1(8) | | |
| 23 | C(15) | 46 | PU1 | 69 | RRN0 | 92 | E1(10) | 115 | X(8) | | |

IN OHMS, 10%

REFERENCE DRAWINGS

ASSEMBLY - AC00248
 LOGIC DIAGRAM - L00248
 P.C. BOARD - NE00004

| | | | | |
|-----------|----------------------------------|------------------|-------|-----------|
| .O | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC00271 | DESIGNED | TITLE | | |
| | DES. CHK'D | HOLDING REGISTER | | |
| | DRAWN Carter 12/21/69 | BITS 8 - 15 | | |
| | DWS. CHK'D 12-23-69 D. MORENO | ASSEMBLY | | |
| SCALE | PROJECT | PROJECT | | |
| ~ | AMC & CH10 | U1A20-W1A20 | | |
| | SHEET | OF | NO. | |
| | 1 | 1 | | AC00271.B |



Berkeley
Computer
Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | | | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS $> 120\Omega$ ARE 1/8 W
 ALL TERMINATOR RESISTORS $\leq 120\Omega$ ARE 1/4 W

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|
| 1 | GND | 24 | GND | 47 | GND | 70 | SXS0 | 93 | SP(10)▼ | 116 | X(8) |
| 2 | SYS7 | 25 | GND | 48 | GND | 71 | GND | 94 | GND | 117 | SP(8)▼ |
| 3 | GND | 26 | GND | 49 | GND | 72 | SXS1 | 95 | GND | 118 | +10 |
| 4 | SYS4 | 27 | GND | 50 | GND | 73 | GND | 96 | GND | 119 | +10 |
| 5 | GND | 28 | GND | 51 | GND | 74 | SXS2 | 97 | GND | 120 | +10 |
| 6 | AD0▼ | 29 | GND | 52 | GND | 75 | GND | 98 | GND | 121 | +10 |
| 7 | GND | 30 | GND | 53 | GND | 76 | GND | 99 | GND | 122 | +10 |
| 8 | WS▼ | 31 | GND | 54 | GND | 77 | GND | 100 | GND | 123 | -5 |
| 9 | GND | 32 | X(14) | 55 | GND | 78 | GND | 101 | GND | 124 | -5 |
| 10 | SYS5 | 33 | SP(14)▼ | 56 | X(12) | 79 | GND | 102 | GND | 125 | -5 |
| 11 | GND | 34 | GND | 57 | SP(12)▼ | 80 | X(11) | 103 | GND | 126 | -5 |
| 12 | SYS6 | 35 | GND | 58 | GND | 81 | SP(11)▼ | 104 | X(9) | 127 | +5 |
| 13 | GND | 36 | GND | 59 | GND | 82 | GND | 105 | SP(9)▼ | 128 | +5 |
| 14 | GND | 37 | GND | 60 | SYS0 | 83 | GND | 106 | GND | 129 | +5 |
| 15 | GND | 38 | GND | 61 | GND | 84 | GND | 107 | GND | 130 | +5 |
| 16 | GND | 39 | GND | 62 | SYS3 | 85 | GND | 108 | GND | 131 | +5 |
| 17 | GND | 40 | GND | 63 | GND | 86 | GND | 109 | GND | 132 | +5 |
| 18 | GND | 41 | GND | 64 | SYS2 | 87 | GND | 110 | GND | 133 | +5 |
| 19 | GND | 42 | GND | 65 | GND | 88 | GND | 111 | GND | 134 | +5 |
| 20 | X(15) | 43 | GND | 66 | SYS1 | 89 | GND | 112 | GND | 135 | +5 |
| 21 | SP(15)▼ | 44 | X(13) | 67 | GND | 90 | GND | 113 | GND | 136 | +5 |
| 22 | GND | 45 | SP(13)▼ | 68 | SXS3 | 91 | GND | 114 | GND | | |
| 23 | GND | 46 | GND | 69 | GND | 92 | X(10) | 115 | GND | | |

SLOT POSITION

U1A21
 W1A21
 W2A21

REFERENCE DRAWINGS

ASSEMBLY - AC 00249
 LOGIC DIAGRAM - L00249
 P.C. BOARD - NE 00009

| | | | | |
|-------------------------------------|----------------------------------|-----------------------|-------|----------|
| .0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC00066 | DESIGNED | TITLE | | |
| | DES. CHK'D | SCRATCH PAD WITH MINI | | |
| | DRAWN 12/23/69 M.M. | MOD SP0 (BITS 8-15) | | |
| | DWG. CHK'D 12-23-69 D. MORENO | ASSEMBLY | | |
| SCALE | PROJECT | PROJECT | | |
| ~ | uSCH, AMC & CHIO | SHEET OF | | |
| Berkeley Computer Corporation | | AC00066.E | | |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | 330Ω | 10 |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | 330Ω | 10 | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | 330Ω | 10 | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | 330Ω | 10 |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | 330Ω | 10 | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | | | 123 | | |
| 22 | | | 56 | 330Ω | 10 | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | 330Ω | 10 | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | 330Ω | 10 | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|
| 1 | GND | 24 | GND | 47 | GND | 70 | SXS0 | 93 | SP(10)✓ | 116 | X(8) |
| 2 | SYS7 | 25 | GND | 48 | GND | 71 | GND | 94 | GND | 117 | SP(8)✓ |
| 3 | GND | 26 | GND | 49 | GND | 72 | SXS1 | 95 | GND | 118 | +10 |
| 4 | SYS4 | 27 | GND | 50 | GND | 73 | GND | 96 | GND | 119 | +10 |
| 5 | GND | 28 | GND | 51 | GND | 74 | SXS2 | 97 | GND | 120 | +10 |
| 6 | AD1✓ | 29 | GND | 52 | GND | 75 | GND | 98 | GND | 121 | +10 |
| 7 | GND | 30 | GND | 53 | GND | 76 | GND | 99 | GND | 122 | +10 |
| 8 | WS✓ | 31 | GND | 54 | GND | 77 | GND | 100 | GND | 123 | -5 |
| 9 | GND | 32 | X(14) | 55 | GND | 78 | GND | 101 | GND | 124 | -5 |
| 10 | SYS5 | 33 | SP(14)✓ | 56 | X(12) | 79 | GND | 102 | GND | 125 | -5 |
| 11 | GND | 34 | GND | 57 | SP(12)✓ | 80 | X(11) | 103 | GND | 126 | -5 |
| 12 | SYS6 | 35 | GND | 58 | GND | 81 | SP(11)✓ | 104 | X(9) | 127 | +5 |
| 13 | GND | 36 | GND | 59 | GND | 82 | GND | 105 | SP(9)✓ | 128 | +5 |
| 14 | GND | 37 | GND | 60 | SYS0 | 83 | GND | 106 | GND | 129 | +5 |
| 15 | GND | 38 | GND | 61 | GND | 84 | GND | 107 | GND | 130 | +5 |
| 16 | GND | 39 | GND | 62 | SYS3 | 85 | GND | 108 | GND | 131 | +5 |
| 17 | GND | 40 | GND | 63 | GND | 86 | GND | 109 | GND | 132 | +5 |
| 18 | GND | 41 | GND | 64 | SYS2 | 87 | GND | 110 | GND | 133 | +5 |
| 19 | GND | 42 | GND | 65 | GND | 88 | GND | 111 | GND | 134 | +5 |
| 20 | X(15) | 43 | GND | 66 | SYS1 | 89 | GND | 112 | GND | 135 | +5 |
| 21 | SP(15)✓ | 44 | X(13) | 67 | GND | 90 | GND | 113 | GND | 136 | +5 |
| 22 | GND | 45 | SP(13)✓ | 68 | SXS3 | 91 | GND | 114 | GND | | |
| 23 | GND | 46 | GND | 69 | GND | 92 | X(10) | 115 | GND | | |

SLOT POSITION

U1A22 - AMC
 W1A22 - CHIO
 W2A22 - μSCHED.

Copy
 1/4/70

REFERENCE DRAWINGS

ASSEMBLY - AC 00249
 LOGIC DIAGRAM - L00249
 P.C. BOARD - NE 00009

| NO. | RELEASED | DATE | DRAWN | APPROVED |
|-----------|----------------------------------|-----------------------|-------|-----------|
| | | | | |
| REVISIONS | | | | |
| AC00069 | DESIGNED | TITLE | | |
| | DES. CHG'D | SCRATCH PAD WITH MINI | | |
| | DRAWN 12/23/69 M.M. | MOD SP1 (BITS 8-15) | | |
| | DWG. CHG'D 12-23-69 D. MORENO | ASSEMBLY | | |
| SCALE | PROJECT | PROJECT | | |
| U | μSCH, AMC & CHIO | SHEET | | NO. |
| | | 1 | | AC00069.E |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | | | 35 | 91Ω | 5 | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | 91Ω | 5 |
| 6 | 150Ω | 10 | 40 | | | 74 | 150Ω | 10 | 108 | | |
| 7 | 150Ω | 10 | 41 | 150Ω | 10 | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | 150Ω | 10 | 43 | | | 77 | 150Ω | 10 | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | 150Ω | 10 | 45 | | | 79 | | | 113 | 150Ω | 10 |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | 150Ω | 10 | 47 | 91Ω | 5 | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | 91Ω | 5 | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | 150Ω | 10 | 51 | | | 85 | | | 119 | 91Ω | 5 |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | 150Ω | 10 | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | 150Ω | 10 | 122 | | |
| 21 | | | 55 | | | 89 | 150Ω | 10 | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | 150Ω | 10 |
| 23 | 91Ω | 5 | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | 150Ω | 10 |
| 25 | | | 59 | 91Ω | 5 | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | 91Ω | 5 | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | 150Ω | 10 | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | 150Ω | 10 | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

REFERENCE DRAWINGS

ASSEMBLY - ACO0246
 LOGIC DIAGRAM - LOO246
 P.C. BOARD - NE00008

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 1 | BL(0)▼ | 24 | GM(7)▼ | 47 | M1(5) | 70 | LZY▼ | 93 | GND | 116 | BL(0)▼ |
| 2 | BR(0)▼ | 25 | Y(7) | 48 | GM(5)▼ | 71 | GND | 94 | M(2) | 117 | GND |
| 3 | BR2 | 26 | Z(7) | 49 | Y(5) | 72 | GND | 95 | M1(2) | 118 | M(0) |
| 4 | BR3 | 27 | GND | 50 | Z(5) | 73 | LMM2▼ | 96 | GM(2)▼ | 119 | M1(0) |
| 5 | MCLOCK1▼ | 28 | GND | 51 | GND | 74 | LMM2▼ | 97 | Y(2) | 120 | GM(0)▼ |
| 6 | QCLOCK▼ | 29 | M2(6) | 52 | SPARE | 75 | GND | 98 | Z(2) | 121 | Y(0) |
| 7 | MCLOCK2▼ | 30 | BR(6)▼ | 53 | M2(4) | 76 | GND | 99 | GND | 122 | Z(0) |
| 8 | BL3 | 31 | X(6) | 54 | BR(4)▼ | 77 | M2(3) | 100 | GND | 123 | LQX▼ |
| 9 | MCLOCK3▼ | 32 | BL(6)▼ | 55 | X(4) | 78 | BR(3)▼ | 101 | M2(1) | 124 | LMM1▼ |
| 10 | BL1 | 33 | GND | 56 | BL(4)▼ | 79 | X(3) | 102 | BR(1)▼ | 125 | LQY▼ |
| 11 | MCLOCK1▼ | 34 | M(6) | 57 | GND | 80 | BL(3)▼ | 103 | X(1) | 126 | LMXA▼ |
| 12 | BR1 | 35 | M1(6) | 58 | M(4) | 81 | GND | 104 | BL(1)▼ | 127 | +5 |
| 13 | ZCLOCK▼ | 36 | GM(6)▼ | 59 | M1(4) | 82 | M(3) | 105 | GND | 128 | +5 |
| 14 | BL2 | 37 | Y(6) | 60 | GM(4)▼ | 83 | M1(3) | 106 | M(1) | 129 | +5 |
| 15 | GND | 38 | Z(6) | 61 | Y(4) | 84 | GM(3)▼ | 107 | M1(1) | 130 | +5 |
| 16 | GND | 39 | GND | 62 | Z(4) | 85 | Y(3) | 108 | GM(1)▼ | 131 | +5 |
| 17 | M2(7) | 40 | GND | 63 | GND | 86 | Z(3) | 109 | Y(1) | 132 | +5 |
| 18 | BR(7)▼ | 41 | M2(5) | 64 | GND | 87 | GND | 110 | Z(1) | 133 | +5 |
| 19 | X(7) | 42 | BR(5)▼ | 65 | GND | 88 | LMYA▼ | 111 | GND | 134 | +5 |
| 20 | BL(7)▼ | 43 | X(5) | 66 | GND | 89 | M2(2) | 112 | GND | 135 | +5 |
| 21 | GND | 44 | BL(5)▼ | 67 | GND | 90 | BR(2)▼ | 113 | M2(0) | 136 | +5 |
| 22 | M(7) | 45 | GND | 68 | GND | 91 | X(2) | 114 | BR(0)▼ | | |
| 23 | M1(7) | 46 | M(5) | 69 | LZX▼ | 92 | BL(2)▼ | 115 | X(0) | | |

| | | | | |
|-----------|----------------------------------|---------------------------|-------|----------|
| .O | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| 00266 | DESIGNED | TITLE | | |
| | DES. CHR'D | M.Q.Z. REGISTER | | |
| | DRAWN 12/23/69 M.M. | BITS(0-7) | | |
| | DWG. CHR'D 12-23-69 D. MORENO | ASSEMBLY | | |
| SCALE | PROJECT | AMC & CHIO (UIA23, WIA23) | | |
| | SHEET | OF | NO. | |
| | 1 | 1 | | 00266.B |



Berkeley
Computer
Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | | | 35 | 150Ω | 10 | 69 | | | 103 | 330Ω | 10 |
| 2 | 330Ω | 10 | 36 | 330Ω | 10 | 70 | | | 104 | | |
| 3 | 330Ω | 10 | 37 | | | 71 | | | 105 | | |
| 4 | 330Ω | 10 | 38 | 330Ω | 10 | 72 | | | 106 | | |
| 5 | 330Ω | 10 | 39 | 330Ω | 10 | 73 | | | 107 | 150Ω | 10 |
| 6 | 330Ω | 10 | 40 | 330Ω | 10 | 74 | 330Ω | 10 | 108 | | |
| 7 | | | 41 | 150Ω | 10 | 75 | | | 109 | | |
| 8 | 150Ω | 10 | 42 | | | 76 | 330Ω | 10 | 110 | 330Ω | 10 |
| 9 | 150Ω | 10 | 43 | 330Ω | 10 | 77 | 150Ω | 10 | 111 | | |
| 10 | 330Ω | 10 | 44 | | | 78 | | | 112 | 150Ω | 10 |
| 11 | 150Ω | 10 | 45 | 330Ω | 10 | 79 | 330Ω | 10 | 113 | 150Ω | 10 |
| 12 | 150Ω | 10 | 46 | 330Ω | 10 | 80 | | | 114 | | |
| 13 | 150Ω | 10 | 47 | 150Ω | 10 | 81 | | | 115 | 330Ω | 10 |
| 14 | 150Ω | 10 | 48 | 330Ω | 10 | 82 | 330Ω | 10 | 116 | | |
| 15 | 150Ω | 10 | 49 | | | 83 | 150Ω | 10 | 117 | 150Ω | 10 |
| 16 | 150Ω | 10 | 50 | 330Ω | 10 | 84 | 330Ω | 10 | 118 | | |
| 17 | 150Ω | 10 | 51 | | | 85 | | | 119 | 150Ω | 10 |
| 18 | 150Ω | 10 | 52 | | | 86 | | | 120 | 150Ω | 10 |
| 19 | 330Ω | 10 | 53 | 150Ω | 10 | 87 | | | 121 | 150Ω | 10 |
| 20 | | | 54 | | | 88 | | | 122 | 150Ω | 10 |
| 21 | 330Ω | 10 | 55 | 330Ω | 10 | 89 | 150Ω | 10 | 123 | 150Ω | 10 |
| 22 | | | 56 | | | 90 | | | 124 | 150Ω | 10 |
| 23 | 150Ω | 10 | 57 | | | 91 | 330Ω | 10 | 125 | 150Ω | 10 |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | 150Ω | 10 | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | 150Ω | 10 | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | 150Ω | 10 | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | 330Ω | 10 | 132 | | |
| 31 | 330Ω | 10 | 65 | | | 99 | 330Ω | 10 | 133 | | |
| 32 | | | 66 | | | 100 | 330Ω | 10 | 134 | | |
| 33 | | | 67 | | | 101 | 150Ω | 10 | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W.
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

REFERENCE DRAWINGS

ASSEMBLY - ACO0247
 LOGIC DIAGRAM - L00247
 P.C. BOARD - NE 00005

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 1 | TCX | 24 | GND. | 47 | C(5) | 70 | C(0) | 93 | GND. | 116 | X(0) |
| 2 | CBD | 25 | GND. | 48 | BL(11) | 71 | GND. | 94 | GND. | 117 | LCY1B |
| 3 | CBE | 26 | GND. | 49 | GND. | 72 | C(0) | 95 | C(2) | 118 | C(0) |
| 4 | CBC | 27 | GND. | 50 | BL(19) | 73 | GND. | 96 | GND. | 119 | C(0) |
| 5 | CBB | 28 | GND. | 51 | GND. | 74 | BL(16) | 97 | GND. | 120 | LCY1A |
| 6 | CBA | 29 | BR(6) | 52 | GND. | 75 | GND. | 98 | BL(9) | 121 | LCY2A |
| 7 | TAX | 30 | GND. | 53 | BR(4) | 76 | BL(8) | 99 | BL(13) | 122 | LCY3A |
| 8 | TAX A | 31 | BL(6) | 54 | GND. | 77 | BR(3) | 100 | BL(21) | 123 | LCY2B |
| 9 | LCY16A | 32 | X(6) | 55 | BL(4) | 78 | GND. | 101 | BR(1) | 124 | LCY4B |
| 10 | TAX B | 33 | GND. | 56 | X(4) | 79 | BL(3) | 102 | GND. | 125 | LCY3B |
| 11 | LCY16B | 34 | GND. | 57 | GND. | 80 | X(3) | 103 | BL(1) | 126 | LCY4A |
| 12 | LCY8B | 35 | C(6) | 58 | GND. | 81 | GND. | 104 | X(1) | 127 | +5 |
| 13 | LCY20B | 36 | BL(14) | 59 | C(4) | 82 | BL(12) | 105 | GND. | 128 | +5 |
| 14 | LCY8A | 37 | GND. | 60 | GND. | 83 | C(3) | 106 | GND. | 129 | +5 |
| 15 | LCY20A | 38 | BL(10) | 61 | GND. | 84 | BL(20) | 107 | C(1) | 130 | +5 |
| 16 | LCY12B | 39 | BL(18) | 62 | GND. | 85 | GND. | 108 | GND. | 131 | +5 |
| 17 | BR(7) | 40 | BL(22) | 63 | GND. | 86 | GND. | 109 | GND. | 132 | +5 |
| 18 | LCY12A | 41 | BR(5) | 64 | GND. | 87 | GND. | 110 | BL(17) | 133 | +5 |
| 19 | BL(7) | 42 | GND. | 65 | GND. | 88 | GND. | 111 | GND. | 134 | +5 |
| 20 | X(7) | 43 | BL(5) | 66 | C(0) | 89 | BR(2) | 112 | FLUSH | 135 | +5 |
| 21 | CBF | 44 | X(5) | 67 | GND. | 90 | GND. | 113 | BR(0) | 136 | +5 |
| 22 | GND. | 45 | BL(23) | 68 | C(0) | 91 | BL(2) | 114 | C(0) | | |
| 23 | C(7) | 46 | BL(15) | 69 | GND. | 92 | X(2) | 115 | BL(0) | | |

| | | | | |
|-----------|----------------------------------|---------------------------|-------|-----------|
| .0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| ACO0269 | DESIGNED | TITLE | | |
| | DES. CHK'D | ADDER CYCLER | | |
| | DRAWN 12/19/69 <i>M. M.</i> | BITS (0-7) | | |
| | DWG. CHK'D <i>AM</i> 12/23/69 | ASSEMBLY | | |
| SCALE | PROJECT | AMC & CHIO (U1A24, W1A24) | | |
| | SHEET | OF | NO. | |
| | 1 | 1 | | ACO0269.C |



Berkeley
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Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | 150 | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | 150 | |
| 3 | | | 37 | | | 71 | 150 | | 105 | | |
| 4 | 150 | | 38 | | | 72 | | | 106 | 150 | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | 150 | | 40 | | | 74 | 150 | | 108 | | |
| 7 | 150 | | 41 | | | 75 | | | 109 | | |
| 8 | 150 | | 42 | 150 | | 76 | 150 | | 110 | | |
| 9 | 150 | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | 150 | | 78 | 150 | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | 150 | | 114 | 150 | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | 150 | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | 150 | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | 150 | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | | | 123 | | |
| 22 | | | 56 | 150 | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | 150 | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | 150 | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | | | 63 | 150 | | 97 | | | 131 | | |
| 30 | 150 | | 64 | 150 | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | 150 | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | 150 | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP. IN OHMS, 10%
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

REFERENCE DRAWINGS

ASSEMBLY - AC00248
 LOGIC DIAGRAM - L00248
 P.C. BOARD - NE 00004

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|--------|-----|--------|-----|------------|-----|----------|-----|--------|-----|--------|
| 1 | CH20 | 24 | Y(7) | 47 | C(5) | 70 | RRN1 | 93 | SP(2) | 116 | E2(φ) |
| 2 | GR(6) | 25 | R(6) | 48 | Y(-5) | 71 | R5 CLOCK | 94 | E2(2) | 117 | SP(φ) |
| 3 | TYW | 26 | R(7) | 49 | GOS(5) | 72 | RRN1 | 95 | C(2) | 118 | TSPY |
| 4 | CH12 | 27 | GR(7) | 50 | R(6) CLOCK | 73 | RRN2 | 96 | Y(2) | 119 | C(φ) |
| 5 | PU1 | 28 | TXW | 51 | GND | 74 | R4 CLOCK | 97 | GOS(2) | 120 | Y(φ) |
| 6 | CH8 | 29 | GND | 52 | GND | 75 | RRNφ | 98 | GR(1) | 121 | GOS(φ) |
| 7 | E1(7) | 30 | E1(6) | 53 | R(4) | 76 | R3 CLOCK | 99 | GND | 122 | GR(φ) |
| 8 | CH16 | 31 | X(6) | 54 | E1(4) | 77 | R(3) | 100 | GND | 123 | R(φ) |
| 9 | E2(7) | 32 | E2(6) | 55 | X(4) | 78 | E1(3) | 101 | R(1) | 124 | GND |
| 10 | GOS(7) | 33 | SP(6) | 56 | E2(4) | 79 | X(3) | 102 | GND | 125 | GND |
| 11 | GND | 34 | GOS(6) | 57 | SP(4) | 80 | E2(3) | 103 | X(1) | 126 | GND |
| 12 | GND | 35 | C(6) | 58 | CH4 | 81 | SP(3) | 104 | E1(1) | 127 | +5 |
| 13 | GND | 36 | Y(6) | 59 | C(4) | 82 | TEZY | 105 | SP(1) | 128 | +5 |
| 14 | GND | 37 | GR(5) | 60 | Y(4) | 83 | C(3) | 106 | E2(1) | 129 | +5 |
| 15 | GND | 38 | R(5) | 61 | GOS(4) | 84 | Y(3) | 107 | C(1) | 130 | +5 |
| 16 | GND | 39 | PU1 | 62 | GR(4) | 85 | GOS(3) | 108 | Y(1) | 131 | +5 |
| 17 | GND | 40 | PU1 | 63 | R2 CLOCK | 86 | GR(3) | 109 | GOS(1) | 132 | +5 |
| 18 | GND | 41 | GND | 64 | R1 CLOCK | 87 | TE1Y | 110 | TCY | 133 | +5 |
| 19 | X(7) | 42 | E1(5) | 65 | -5 | 88 | GR(2) | 111 | CHφ | 134 | +5 |
| 20 | GND | 43 | X(5) | 66 | -5 | 89 | R(2) | 112 | IHR | 135 | +5 |
| 21 | SP(7) | 44 | E2(5) | 67 | R6 CLOCK | 90 | GND | 113 | THY | 136 | +5 |
| 22 | GND | 45 | SP(5) | 68 | RRN2 | 91 | X(2) | 114 | E1(φ) | | |
| 23 | C(7) | 46 | PU1 | 69 | RRNφ | 92 | E1(2) | 115 | X(φ) | | |

| | | | | |
|-------------------------------------|-----------------------------------------|------------------------|-------|-----------|
| .O | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| NO AC00272 | DESIGNED | TITLE | | |
| | DES. CHK'D | HOLDING REGISTER | | |
| | DRAWN <i>Can Tin</i> 12/21/69 | BITS φ - 7 | | |
| | DWG. CHK'D 12-23-69 <i>D. MORENO</i> | ASSEMBLY | | |
| SCALE ~ | PROJECT | AMC & CH10 UIA25-WIA25 | | |
| Berkeley Computer Corporation | SHEET | OF | NO. | |
| | 1 | 1 | | AC00272.B |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|--------------|----|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | 330 Ω | 10 | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | | | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS $> 120\Omega$ ARE 1/8 W
 ALL TERMINATOR RESISTORS $\leq 120\Omega$ ARE 1/4 W

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 1 | GND | 24 | GND | 47 | GND | 70 | SXS0 | 93 | SP(2)▼ | 116 | X(0) |
| 2 | SYS7 | 25 | GND | 48 | GND | 71 | GND | 94 | GND | 117 | SP(0)▼ |
| 3 | GND | 26 | GND | 49 | GND | 72 | SXS1 | 95 | GND | 118 | +10 |
| 4 | SYS4 | 27 | GND | 50 | GND | 73 | GND | 96 | GND | 119 | +10 |
| 5 | GND | 28 | GND | 51 | GND | 74 | SXS2 | 97 | GND | 120 | +10 |
| 6 | AD0▼ | 29 | GND | 52 | GND | 75 | GND | 98 | GND | 121 | +10 |
| 7 | GND | 30 | GND | 53 | GND | 76 | GND | 99 | GND | 122 | +10 |
| 8 | WS▼ | 31 | GND | 54 | GND | 77 | GND | 100 | GND | 123 | -5 |
| 9 | GND | 32 | X(6) | 55 | GND | 78 | GND | 101 | GND | 124 | -5 |
| 10 | SYS5 | 33 | SP(6)▼ | 56 | X(4) | 79 | GND | 102 | GND | 125 | -5 |
| 11 | GND | 34 | GND | 57 | SF(4)▼ | 80 | X(3) | 103 | GND | 126 | -5 |
| 12 | SYS6 | 35 | GND | 58 | GND | 81 | SP(3)▼ | 104 | X(1) | 127 | +5 |
| 13 | GND | 36 | GND | 59 | GND | 82 | GND | 105 | SP(1)▼ | 128 | +5 |
| 14 | GND | 37 | GND | 60 | SYS0 | 83 | GND | 106 | GND | 129 | +5 |
| 15 | GND | 38 | GND | 61 | GND | 84 | GND | 107 | GND | 130 | +5 |
| 16 | GND | 39 | GND | 62 | SYS3 | 85 | GND | 108 | GND | 131 | +5 |
| 17 | GND | 40 | GND | 63 | GND | 86 | GND | 109 | GND | 132 | +5 |
| 18 | GND | 41 | GND | 64 | SYS2 | 87 | GND | 110 | GND | 133 | +5 |
| 19 | GND | 42 | GND | 65 | GND | 88 | GND | 111 | GND | 134 | +5 |
| 20 | X(7) | 43 | GND | 66 | SYS1 | 89 | GND | 112 | GND | 135 | +5 |
| 21 | SP(7)▼ | 44 | X(5) | 67 | GND | 90 | GND | 113 | GND | 136 | +5 |
| 22 | GND | 45 | SP(5)▼ | 68 | SXS3 | 91 | GND | 114 | GND | | |
| 23 | GND | 46 | GND | 69 | GND | 92 | X(2) | 115 | GND | | |

SLOT POSITION

- U1A26
- .W1A26
- W2A26

REFERENCE DRAWINGS

- ASSEMBLY - AC 00249
- LOGIC DIAGRAM - L00249
- P.C. BOARD - NE00009

| | | | | |
|-----------|----------------------------------|-----------------------|-------|-----------|
| .0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC00054 | DESIGNED | TITLE | | |
| | DES. CHK'D | SCRATCH PAD WITH MINI | | |
| | DRAWN 12/23/69 <i>M. M.</i> | MOD SP0 (BITS 0-7) | | |
| | DWG. CHK'D 12-23-69 D. MORENO | ASSEMBLY | | |
| SCALE | PROJECT | PROJECT | | |
| \sim | μ SCH, AMC & CHIO | SHEET OF | | NO. |
| | | 1 1 | | AC00054.D |



Berkeley
Computer
Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|----|-----|-------|----|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | 150Ω | 10 | 36 | | | 70 | 150Ω | 10 | 104 | 330Ω | 10 |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | 150Ω | 10 | 38 | | | 72 | 150Ω | 10 | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | 330Ω | 10 | 40 | | | 74 | 150Ω | 10 | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | 150Ω | 10 | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | 150Ω | 10 | 44 | 330Ω | 10 | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | 150Ω | 10 | 46 | | | 80 | 330Ω | 10 | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | 330Ω | 10 |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | 330Ω | 10 | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | | | 123 | | |
| 22 | | | 56 | 330Ω | 10 | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | 330Ω | 10 | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | 150Ω | 10 | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | 150Ω | 10 | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | 150Ω | 10 | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | 330Ω | 10 | 66 | 150Ω | 10 | 100 | | | 134 | | |
| 33 | | | 67 | | | 101 | | | 135 | | |
| 34 | | | 68 | 150Ω | 10 | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W

NOTES:

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 1 | GND | 24 | GND | 47 | GND | 70 | SXS0 | 93 | SP(2)▼ | 116 | X(0) |
| 2 | SYS7 | 25 | GND | 48 | GND | 71 | GND | 94 | GND | 117 | SP(0)▼ |
| 3 | GND | 26 | GND | 49 | GND | 72 | SXS1 | 95 | GND | 118 | +10 |
| 4 | SYS4 | 27 | GND | 50 | GND | 73 | GND | 96 | GND | 119 | +10 |
| 5 | GND | 28 | GND | 51 | GND | 74 | SXS2 | 97 | GND | 120 | +10 |
| 6 | AD1▼ | 29 | GND | 52 | GND | 75 | GND | 98 | GND | 121 | +10 |
| 7 | GND | 30 | GND | 53 | GND | 76 | GND | 99 | GND | 122 | +10 |
| 8 | WS▼ | 31 | GND | 54 | GND | 77 | GND | 100 | GND | 123 | -5 |
| 9 | GND | 32 | X(6) | 55 | GND | 78 | GND | 101 | GND | 124 | -5 |
| 10 | SYS5 | 33 | SP(6)▼ | 56 | X(4) | 79 | GND | 102 | GND | 125 | -5 |
| 11 | GND | 34 | GND | 57 | SP(4)▼ | 80 | X(3) | 103 | GND | 126 | -5 |
| 12 | SYS6 | 35 | GND | 58 | GND | 81 | SP(3)▼ | 104 | X(1) | 127 | +5 |
| 13 | GND | 36 | GND | 59 | GND | 82 | GND | 105 | SP(1)▼ | 128 | +5 |
| 14 | GND | 37 | GND | 60 | SYS0 | 83 | GND | 106 | GND | 129 | +5 |
| 15 | GND | 38 | GND | 61 | GND | 84 | GND | 107 | GND | 130 | +5 |
| 16 | GND | 39 | GND | 62 | SYS3 | 85 | GND | 108 | GND | 131 | +5 |
| 17 | GND | 40 | GND | 63 | GND | 86 | GND | 109 | GND | 132 | +5 |
| 18 | GND | 41 | GND | 64 | SYS2 | 87 | GND | 110 | GND | 133 | +5 |
| 19 | GND | 42 | GND | 65 | GND | 88 | GND | 111 | GND | 134 | +5 |
| 20 | X(7) | 43 | GND | 66 | SYS1 | 89 | GND | 112 | GND | 135 | +5 |
| 21 | SP(7)▼ | 44 | X(5) | 67 | GND | 90 | GND | 113 | GND | 136 | +5 |
| 22 | GND | 45 | SP(5)▼ | 68 | SXS3 | 91 | GND | 114 | GND | | |
| 23 | GND | 46 | GND | 69 | GND | 92 | X(2) | 115 | GND | | |

SLOT POSITION

U1A27 - AMC
 W1A27 - CHIO
 W2A27 - μSCHED.

COPY

REFERENCE DRAWINGS

ASSEMBLY - AC00249
 LOGIC DIAGRAM - L00249
 P.C. BOARD - NE00009

| | | | | |
|-----------|-----------------------------------------|-----------------------|-----------|----------|
| .0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC00068 | DESIGNED | TITLE | | |
| | DES. CHG'D | SCRATCH PAD WITH MINI | | |
| | DRAWN 12/23/69 <i>M. M.</i> | MOD SP1 (BITS 0-7) | | |
| | DWG. CHG'D 12-23-69 <i>D. MORENO</i> | ASSEMBLY | | |
| SCALE | PROJECT | PROJECT | | |
| <i>~</i> | μSCH, AMC & CHIO | NO. | | |
| | SHEET | OF | NO. | |
| | 1 | 1 | AC00068.D | |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|----|-----|-------|----|-----|-------|---|-----|-------|----|
| 1 | 330Ω | 10 | 35 | 150Ω | 10 | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | 150Ω | 10 | 37 | 330Ω | 10 | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | 150Ω | 10 | 39 | 330Ω | 10 | 73 | | | 107 | 150Ω | 10 |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | 150Ω | 10 | 41 | 330Ω | 10 | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | 150Ω | 10 | 43 | 330Ω | 10 | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | 150Ω | 10 | 45 | 330Ω | 10 | 79 | | | 113 | 150Ω | 10 |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | 150Ω | 10 | 47 | 330Ω | 10 | 81 | | | 115 | 150Ω | 10 |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | 150Ω | 10 | 49 | | | 83 | | | 117 | 150Ω | 10 |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | 150Ω | 10 | 51 | | | 85 | | | 119 | 150Ω | 10 |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | 150Ω | 10 | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | 150Ω | 10 | 55 | | | 89 | | | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | 150Ω | 10 | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | 150Ω | 10 | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | 150Ω | 10 | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | | | 96 | | | 130 | | |
| 29 | 150Ω | 10 | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | 150Ω | 10 | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | 150Ω | 10 | 67 | | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

REFERENCE DRAWINGS

ASSEMBLY - AC 00251
 LOGIC DIAGRAM - L00251
 P.C. BOARD - NE00049

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|
| 1 | Z(0) | 24 | Z(11) | 47 | Z(23) | 70 | E2(8) | 93 | E2(20) | 116 | PIN |
| 2 | Z(0) | 25 | Z(12) | 48 | Z(23) | 71 | E2(9) | 94 | E2(20) | 117 | RESETTU |
| 3 | Z(1) | 26 | Z(12) | 49 | GND | 72 | E2(9) | 95 | E2(21) | 118 | RESETTU |
| 4 | Z(1) | 27 | Z(13) | 50 | GND | 73 | E2(10) | 96 | E2(21) | 119 | UKI |
| 5 | Z(2) | 28 | Z(13) | 51 | GND | 74 | E2(10) | 97 | E2(22) | 120 | O CLOCK |
| 6 | Z(2) | 29 | Z(14) | 52 | GND | 75 | E2(11) | 98 | E2(22) | 121 | SATLA3 |
| 7 | Z(3) | 30 | Z(14) | 53 | E2(0) | 76 | E2(11) | 99 | E2(23) | 122 | SATLA3 |
| 8 | Z(3) | 31 | Z(15) | 54 | E2(0) | 77 | E2(12) | 100 | E2(23) | 123 | GND |
| 9 | Z(4) | 32 | Z(15) | 55 | E2(1) | 78 | E2(12) | 101 | GND | 124 | GND |
| 10 | Z(4) | 33 | Z(16) | 56 | E2(1) | 79 | E2(13) | 102 | GND | 125 | GND |
| 11 | Z(5) | 34 | Z(16) | 57 | E2(2) | 80 | E2(13) | 103 | GND | 126 | GND |
| 12 | Z(5) | 35 | Z(17) | 58 | E2(2) | 81 | E2(14) | 104 | GND | 127 | +5 |
| 13 | Z(6) | 36 | Z(17) | 59 | E2(3) | 82 | E2(14) | 105 | GND | 128 | +5 |
| 14 | Z(6) | 37 | Z(18) | 60 | E2(3) | 83 | E2(15) | 106 | GND | 129 | +5 |
| 15 | Z(7) | 38 | Z(18) | 61 | E2(4) | 84 | E2(15) | 107 | ALERT | 130 | +5 |
| 16 | Z(7) | 39 | Z(19) | 62 | E2(4) | 85 | E2(16) | 108 | ALERT | 131 | +5 |
| 17 | Z(8) | 40 | Z(19) | 63 | E2(5) | 86 | E2(16) | 109 | SATLA2 | 132 | +5 |
| 18 | Z(8) | 41 | Z(20) | 64 | E2(5) | 87 | E2(17) | 110 | SATLA2 | 133 | +5 |
| 19 | Z(9) | 42 | Z(20) | 65 | E2(6) | 88 | E2(17) | 111 | SATLA1 | 134 | +5 |
| 20 | Z(9) | 43 | Z(21) | 66 | E2(6) | 89 | E2(18) | 112 | SATLA1 | 135 | +5 |
| 21 | Z(10) | 44 | Z(21) | 67 | E2(7) | 90 | E2(18) | 113 | POT | 136 | +5 |
| 22 | Z(10) | 45 | Z(22) | 68 | E2(7) | 91 | E2(19) | 114 | POT | | |
| 23 | Z(11) | 46 | Z(22) | 69 | E2(8) | 92 | E2(19) | 115 | PIN | | |

| | | | | |
|-----------|----------------------------------|------------------------|--------------|----------|
| .0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC 00274 | DESIGNED | TITLE | | |
| | DES. CHK'D | I/O INTERFACE ASSEMBLY | | |
| | DRAWN 12/15/69 D. ROBBINS | | | |
| | DWG. CHK'D 12-23-69 D. MORENO | PROJECT | U1A28, W1A28 | |
| SCALE | SHEET 1 OF 1 | NO. | AC00274 .B | |



Berkeley
Computer
Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|--------------|----|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | 330 Ω | 10 | 89 | | | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | 330 Ω | 10 | 95 | | | 129 | | |
| 28 | | | 62 | 330 Ω | 10 | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | 330 Ω | 10 | 101 | | | 135 | | |
| 34 | | | 68 | 330 Ω | 10 | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120 Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS \leq 120 Ω ARE 1/4 W.

NOTES:

- | | |
|------------------------|----------|
| 1. JUMPERS | POSITION |
| J1 THRU 14, 23 THRU 28 | A-C |
| J15 THRU 22, 29 & 30 | A-B |

REFERENCE DRAWINGS

ASSEMBLY - AC 00252
 LOGIC DIAGRAM - L 00252
 P.C. BOARD - NE 00037

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|---------|-----|-------------|-----|----------|-----|----------|-----|-----------|
| 1 | GND. | 24 | RRN1 | 47 | RA0THY | 70 | YS0L | 93 | C(04) | 116 | MCONT1 |
| 2 | GND. | 25 | RA0RRN1 | 48 | RA1THY | 71 | GND. | 94 | C(04) | 117 | RA0MCONT1 |
| 3 | BR0 | 26 | RA1RRN1 | 49 | RB0THY | 72 | GND. | 95 | RA0C(04) | 118 | RA1MCONT1 |
| 4 | BR0 | 27 | RB0RRN1 | 50 | RB1THY | 73 | TCX | 96 | RA1C(04) | 119 | RB0MCONT1 |
| 5 | RA0BR0 | 28 | RB1RRN1 | 51 | -5 | 74 | TCX | 97 | RB0C(04) | 120 | RB1MCONT1 |
| 6 | RA1BR0 | 29 | GND. | 52 | -5 | 75 | RA0TCX | 98 | RB1C(04) | 121 | MC1 |
| 7 | RB0BR0 | 30 | GND. | 53 | XS4R | 76 | RA1TCX | 99 | GND. | 122 | MC1 |
| 8 | RB1BR0 | 31 | LR0 | 54 | XS4L | 77 | RB0TCX | 100 | GND. | 123 | RA0MC1 |
| 9 | BL1 | 32 | LR0 | 55 | XS4 | 78 | RB1TCX | 101 | C(01) | 124 | RA1MC1 |
| 10 | BL1 | 33 | RA0LR0 | 56 | I3 CLOCK B1 | 79 | C(16) | 102 | C(01) | 125 | RB0MC1 |
| 11 | RA0BL1 | 34 | RA1LR0 | 57 | GND. | 80 | C(16) | 103 | RA0C(01) | 126 | RB1MC1 |
| 12 | RA1BL1 | 35 | RB0LR0 | 58 | GND. | 81 | RA0C(16) | 104 | RA1C(01) | 127 | +5 |
| 13 | RB0BL1 | 36 | RB1LR0 | 59 | YS6L | 82 | RA1C(16) | 105 | RB0C(01) | 128 | +5 |
| 14 | RB1BL1 | 37 | SSP4 | 60 | YS6R | 83 | RB0C(16) | 106 | RB1C(01) | 129 | +5 |
| 15 | GND. | 38 | SSP4 | 61 | I2 CLOCK A2 | 84 | RB1C(16) | 107 | B(02) | 130 | +5 |
| 16 | GND. | 39 | RA0SSP4 | 62 | YS6 | 85 | GND. | 108 | B(02) | 131 | +5 |
| 17 | LRN1 | 40 | RA1SSP4 | 63 | GND. | 86 | GND. | 109 | RA0B(02) | 132 | +5 |
| 18 | LRN1 | 41 | RB0SSP4 | 64 | I3 CLOCK A1 | 87 | C(13) | 110 | RA1B(02) | 133 | +5 |
| 19 | RA0LRN1 | 42 | RB1SSP4 | 65 | GND. | 88 | C(13) | 111 | RB0B(02) | 134 | +5 |
| 20 | RA1LRN1 | 43 | GND. | 66 | GND. | 89 | RA0C(13) | 112 | RB1B(02) | 135 | +5 |
| 21 | RB0LRN1 | 44 | GND. | 67 | YS0 | 90 | RA1C(13) | 113 | GND. | 136 | +5 |
| 22 | RB1LRN1 | 45 | THY | 68 | I2 CLOCK B2 | 91 | RB0C(13) | 114 | GND. | | |
| 23 | RRN1 | 46 | THY | 69 | YS0R | 92 | RB1C(13) | 115 | MCONT1 | | |

COPY

| | | | | |
|-----------|-------------------------------|---------------------------|-------|---------------|
| 0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC 00275 | DESIGNED | TITLE | | |
| | DES. CHK'D | I REGISTER I0 ASSEMBLY | | |
| | DRAWN 12-24-69 D. MORENO | PROJECT | | |
| | DWG. CHK'D Carter 12/24/69 | AMC & CHIO | | U1B12 & W1B12 |
| SCALE | SHEET 1 OF 1 | NO. AC 00275 . C | | |



Berkeley
Computer
Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | 330 | | 89 | | | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | 330 | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | 330 | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP. IN OHMS, 10%.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W

NOTES:

1. JUMPERS

J1 THRU 14, 23, 24, 27, 28 A - C
 J15 THRU 22, 25, 26, 29, 30, A - B

POSITION

REFERENCE DRAWINGS

ASSEMBLY - AC 00252
 LOGIC DIAGRAM - L 00252
 P.C. BOARD - NE 00037

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|--------|-----|---------|-----|--------------|-----|----------|-----|----------|-----|----------|
| 1 | GND. | 24 | RRNZ | 47 | RAØTAX | 70 | YS1L | 93 | C(Ø7) | 116 | B(ØØ)✓ |
| 2 | GND. | 25 | RAØRRNZ | 48 | RA1TAX | 71 | GND. | 94 | C(Ø7)✓ | 117 | RAØB(ØØ) |
| 3 | BR3✓ | 26 | RA1RRNZ | 49 | RBØTAX | 72 | GND. | 95 | RAØC(Ø7) | 118 | RA1B(ØØ) |
| 4 | BR3 | 27 | RBØRRNZ | 50 | RB1TAX | 73 | TCY | 96 | RA1C(Ø7) | 119 | RBØB(ØØ) |
| 5 | RAØBR3 | 28 | RB1RRNZ | 51 | -5 | 74 | TCY✓ | 97 | RBØC(Ø7) | 120 | RB1B(ØØ) |
| 6 | RA1BR3 | 29 | GND. | 52 | -5 | 75 | RAØTCY | 98 | RB1C(Ø7) | 121 | MCØ |
| 7 | RBØBR3 | 30 | GND. | 53 | X55R✓ | 76 | RA1TCY | 99 | GND. | 122 | MCØ✓ |
| 8 | RB1BR3 | 31 | MS1✓ | 54 | X55L✓ | 77 | RBØTCY | 100 | GND. | 123 | RAØMCØ |
| 9 | BL2✓ | 32 | MS1 | 55 | X55✓ | 78 | RB1TCY | 101 | C(Ø2) | 124 | RA1MCØ |
| 10 | BL2 | 33 | RAØMS1 | 56 | I3 CLOCK B1✓ | 79 | C(19) | 102 | C(Ø2)✓ | 125 | RBØMCØ |
| 11 | RAØBL2 | 34 | RA1MS1 | 57 | GND. | 80 | C(19)✓ | 103 | RAØC(Ø2) | 126 | RB1MCØ |
| 12 | RA1BL2 | 35 | RBØMS1 | 58 | GND. | 81 | RAØC(19) | 104 | RA1C(Ø2) | 127 | +5 |
| 13 | RBØBL2 | 36 | RB1MS1 | 59 | YS7L✓ | 82 | RA1C(19) | 105 | RBØC(Ø2) | 128 | +5 |
| 14 | RB1BL2 | 37 | SSP5✓ | 60 | YS7R✓ | 83 | RBØC(19) | 106 | RB1C(Ø2) | 129 | +5 |
| 15 | GND. | 38 | SSP5 | 61 | I2 CLOCK A2✓ | 84 | RB1C(19) | 107 | B(Ø5) | 130 | +5 |
| 16 | GND. | 39 | RAØSSP5 | 62 | YS7✓ | 85 | GND. | 108 | B(Ø5)✓ | 131 | +5 |
| 17 | LMY✓ | 40 | RA1SSP5 | 63 | GND. | 86 | GND. | 109 | RAØB(Ø5) | 132 | +5 |
| 18 | LMY | 41 | RBØSSP5 | 64 | I3 CLOCK A1✓ | 87 | C(14) | 110 | RA1B(Ø5) | 133 | +5 |
| 19 | RAØLMY | 42 | RB1SSP5 | 65 | GND. | 88 | C(14)✓ | 111 | RBØB(Ø5) | 134 | +5 |
| 20 | RA1LMY | 43 | GND. | 66 | GND. | 89 | RAØC(14) | 112 | RB1B(Ø5) | 135 | +5 |
| 21 | RBØLMY | 44 | GND. | 67 | YS1✓ | 90 | RA1C(14) | 113 | GND. | 136 | +5 |
| 22 | RB1LMY | 45 | TAX✓ | 68 | I2 CLOCK B2✓ | 91 | RBØC(14) | 114 | GND. | | |
| 23 | RRNZ✓ | 46 | TAX | 69 | YS1R✓ | 92 | RB1C(14) | 115 | B(ØØ) | | |

| | | | | |
|-----------|----------------------------------|----------------------------------------|-------|-----------|
| NO. | RELEASED | DATE | DRAWN | APPROVED |
| | | | | |
| REVISIONS | | | | |
| AC00276 | DESIGNED | TITLE | | |
| | DES. CHK'D | I REGISTER I11 | | |
| | DRAWN Cantin 12/24/69 | ASSEMBLY | | |
| | DWG. CHK'D 12-24-69 D. MORENO | PROJECT AMC & CHIO UIB13-WIB13 | | |
| SCALE | SHEET | OF | NO | |
| | 1 | 1 | | AC00276.E |



Berkeley
Computer
Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|--------------|----|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | 330 Ω | 10 | 89 | | | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | 330 Ω | 10 | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | 330 Ω | 10 | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS $> 120\Omega$ ARE 1/8 W
 ALL TERMINATOR RESISTORS $\leq 120\Omega$ ARE 1/4 W

NOTES:

1. JUMPERS

J1 THRU 6, 9 THRU 14,
 27 THRU 30
 J7, 8, 15 THRU 26

POSITION

A-C
 A-B

REFERENCE DRAWINGS

ASSEMBLY - AC 00252
 LOGIC DIAGRAM - L 00252
 P.C. BOARD - NE 00037

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|-------------------------------|-----|--------------------------------|-----|--------------------------------|-----|----------------------|-----|---------------------------------------------|-----|----------------------------------|
| 1 | GND. | 24 | RRN \emptyset | 47 | RA \emptyset SSP \emptyset | 70 | YS2L ∇ | 93 | C(\emptyset 9) | 116 | MCONT \emptyset ∇ |
| 2 | GND. | 25 | RA \emptyset RRN \emptyset | 48 | RA1SSP \emptyset | 71 | GND. | 94 | C(\emptyset 9) ∇ | 117 | RA \emptyset MCONT \emptyset |
| 3 | DGO ∇ | 26 | RA1RRN \emptyset | 49 | RB \emptyset SSP \emptyset | 72 | GND. | 95 | RA \emptyset C(\emptyset 9) | 118 | RA1MCONT \emptyset |
| 4 | DGO | 27 | RB \emptyset RRN \emptyset | 50 | RB1SSP \emptyset | 73 | IHR | 96 | RA1C(\emptyset 9) | 119 | RB \emptyset MCONT \emptyset |
| 5 | RA \emptyset DGO | 28 | RB1RRN \emptyset | 51 | -5 | 74 | IHR ∇ | 97 | RB \emptyset C(\emptyset 9) | 120 | RB1MCONT \emptyset |
| 6 | RA1DGO | 29 | GND. | 52 | -5 | 75 | RA \emptyset IHR | 98 | RB1C(\emptyset 9) | 121 | MC3 |
| 7 | RB \emptyset DGO | 30 | GND. | 53 | XS6R ∇ | 76 | RA1IHR | 99 | GND. | 122 | MC3 ∇ |
| 8 | RB1DGO | 31 | MS3 ∇ | 54 | XS6L ∇ | 77 | RB \emptyset IHR | 100 | GND. | 123 | RA \emptyset MC3 |
| 9 | BL \emptyset ∇ | 32 | MS3 | 55 | XS6 ∇ | 78 | RB1IHR | 101 | C(\emptyset \emptyset) | 124 | RA1MC3 |
| 10 | BL \emptyset | 33 | RA \emptyset MS3 | 56 | I3 CLOCK B1 ∇ | 79 | C(21) | 102 | C(\emptyset \emptyset) ∇ | 125 | RB \emptyset MC3 |
| 11 | RA \emptyset BL \emptyset | 34 | RA1MS3 | 57 | GND. | 80 | C(21) ∇ | 103 | RA \emptyset C(\emptyset \emptyset) | 126 | RB1MC3 |
| 12 | RA1BL \emptyset | 35 | RB \emptyset MS3 | 58 | GND. | 81 | RA \emptyset C(21) | 104 | RA1C(\emptyset \emptyset) | 127 | +5 |
| 13 | RB \emptyset BL \emptyset | 36 | RB1MS3 | 59 | XS \emptyset L ∇ | 82 | RA1C(21) | 105 | RB \emptyset C(\emptyset \emptyset) | 128 | +5 |
| 14 | RB1BL \emptyset | 37 | SSP3 ∇ | 60 | XS \emptyset R ∇ | 83 | RB \emptyset C(21) | 106 | RB1C(\emptyset \emptyset) | 129 | +5 |
| 15 | GND. | 38 | SSP3 | 61 | I2 CLOCK A2 ∇ | 84 | RB1C(21) | 107 | B(\emptyset 7) | 130 | +5 |
| 16 | GND. | 39 | RA \emptyset SSP3 | 62 | XS \emptyset ∇ | 85 | GND. | 108 | B(\emptyset 7) ∇ | 131 | +5 |
| 17 | LQY ∇ | 40 | RA1SSP3 | 63 | GND. | 86 | GND. | 109 | RA \emptyset B(\emptyset 7) | 132 | +5 |
| 18 | LQY | 41 | RB \emptyset SSP3 | 64 | I3 CLOCK A1 ∇ | 87 | C(12) | 110 | RA1B(\emptyset 7) | 133 | +5 |
| 19 | RA \emptyset LQY | 42 | RB1SSP3 | 65 | GND. | 88 | C(12) ∇ | 111 | RB \emptyset B(\emptyset 7) | 134 | +5 |
| 20 | RA1LQY | 43 | GND. | 66 | GND. | 89 | RA \emptyset C(12) | 112 | RB1B(\emptyset 7) | 135 | +5 |
| 21 | RB \emptyset LQY | 44 | GND. | 67 | YS2 ∇ | 90 | RA1C(12) | 113 | GND. | 136 | +5 |
| 22 | RB1LQY | 45 | SSP \emptyset ∇ | 68 | I2 CLOCK B2 ∇ | 91 | RB \emptyset C(12) | 114 | GND. | | |
| 23 | RRN \emptyset ∇ | 46 | SSP \emptyset | 69 | YS2R ∇ | 92 | RB1C(12) | 115 | MCONT \emptyset | | |

| | | | | |
|-----------|-------------------------------|---------------|---------------|--------------|
| .0 | RELEASED | | | |
| NO | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC 00277 | DESIGNED | TITLE | | |
| | DES. CHK'D | I REGISTER 12 | | |
| | DRAWN 12-23-69 D. MORENO | ASSEMBLY | | |
| | DWG. CHK'D Center 12/24/69 | PROJECT | U1B14 & W1B14 | |
| SCALE | SHEET | OF | NO | |
| | 1 | 1 | | AC 00277 . C |



Berkeley
 Computer
 Corporation

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | 330 | | 89 | | | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | 330 | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | 330 | | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP., IN OHMS, 10%
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

1. JUMPERS

J1 THRU 14, 19-22, 27-30
 J15 THRU 18, 23-26

POSITION

A-C
 A-B

REFERENCE DRAWINGS

ASSEMBLY - AC 00252
 LOGIC DIAGRAM - L 00252
 P.C. BOARD - NE 00037

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|---------|-----|-------------|-----|----------|-----|----------|-----|----------|
| 1 | GND. | 24 | LRNØ | 47 | RAØSSP1 | 70 | YS3L | 93 | C(10) | 116 | B(Ø1) |
| 2 | GND. | 25 | RAØLRNØ | 48 | RA1SSP1 | 71 | GND. | 94 | C(10) | 117 | RAØB(Ø1) |
| 3 | TE1Y | 26 | RA1LRNØ | 49 | RBØSSP1 | 72 | GND. | 95 | RAØC(10) | 118 | RA1B(Ø1) |
| 4 | TE1Y | 27 | RBØLRNØ | 50 | RB1SSP1 | 73 | TSPY | 96 | RA1C(10) | 119 | RBØB(Ø1) |
| 5 | RAØTE1Y | 28 | RB1LRNØ | 51 | -5 | 74 | TSPY | 97 | RBØC(10) | 120 | RB1B(Ø1) |
| 6 | RA1TE1Y | 29 | GND. | 52 | -5 | 75 | RAØTSPY | 98 | RB1C(10) | 121 | MC4 |
| 7 | RBØTE1Y | 30 | GND. | 53 | XS7R | 76 | RA1TSPY | 99 | GND. | 122 | MC4 |
| 8 | RB1TE1Y | 31 | MS4 | 54 | XS7L | 77 | RBØTSPY | 100 | GND. | 123 | RAØMC4 |
| 9 | BL3 | 32 | MS4 | 55 | XS7 | 78 | RB1TSPY | 101 | C(Ø3) | 124 | RA1MC4 |
| 10 | BL3 | 33 | RAØMS4 | 56 | I3 CLOCK B2 | 79 | C(22) | 102 | C(Ø3) | 125 | RBØMC4 |
| 11 | RAØBL3 | 34 | RA1MS4 | 57 | GND. | 80 | C(22) | 103 | RAØC(Ø3) | 126 | RB1MC4 |
| 12 | RA1BL3 | 35 | RBØMS4 | 58 | GND. | 81 | RAØC(22) | 104 | RA1C(Ø3) | 127 | +5 |
| 13 | RBØBL3 | 36 | RB1MS4 | 59 | XS1L | 82 | RA1C(22) | 105 | RBØC(Ø3) | 128 | +5 |
| 14 | RB1BL3 | 37 | TOSY | 60 | XS1R | 83 | RBØC(22) | 106 | RB1C(Ø3) | 129 | +5 |
| 15 | GND. | 38 | TOSY | 61 | I2 CLOCK A3 | 84 | RB1C(22) | 107 | B(Ø8) | 130 | +5 |
| 16 | GND. | 39 | RAØTOSY | 62 | XS1 | 85 | GND. | 108 | B(Ø8) | 131 | +5 |
| 17 | LZX | 40 | RA1TOSY | 63 | GND. | 86 | GND. | 109 | RAØB(Ø8) | 132 | +5 |
| 18 | LZX | 41 | RBØTOSY | 64 | I3 CLOCK A2 | 87 | C(15) | 110 | RA1B(Ø8) | 133 | +5 |
| 19 | RAØLZX | 42 | RB1TOSY | 65 | GND. | 88 | C(15) | 111 | RBØB(Ø8) | 134 | +5 |
| 20 | RA1LZX | 43 | GND. | 66 | GND. | 89 | RAØC(15) | 112 | RB1B(Ø8) | 135 | +5 |
| 21 | RBØLZX | 44 | GND. | 67 | YS3 | 90 | RA1C(15) | 113 | GND. | 136 | +5 |
| 22 | RB1LZX | 45 | SSP1 | 68 | I2 CLOCK B3 | 91 | RBØC(15) | 114 | GND. | | |
| 23 | LRNØ | 46 | SSP1 | 69 | YS3R | 92 | RB1C(15) | 115 | B(Ø1) | | |

| | | | | |
|-----------|----------------------------------|------------------------|-------|-----------|
| 0 | RELEASED | | | |
| NO | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC00278 | DESIGNED | TITLE | | |
| | DES. CHK'D | I REGISTER I3 | | |
| | DRAWN Carter 12/24/69 | PROJECT | | |
| | DWG. CHK'D 12-24-69 D. MORENO | AMC & CHIO UIB15-WIB15 | | |
| SCALE | SHEET | OF | NO | |
| | 1 | 1 | | AC00278.C |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|--------------|----|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | 150 Ω | 10 | 89 | | | 123 | | |
| 22 | | | 56 | | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | | | 95 | | | 129 | | |
| 28 | | | 62 | 330 Ω | 10 | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | 330 Ω | 10 | 101 | | | 135 | | |
| 34 | | | 68 | | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP.
 ALL TERMINATOR RESISTORS > 120 Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS \leq 120 Ω ARE 1/4 W.

NOTES:

- | | |
|-------------------------------------|----------|
| 1. JUMPERS | POSITION |
| J1 THRU 14, 19 THRU 22, 27 & 28 | A-C |
| J15 THRU 18, 23 THRU 26, 29 & 30 | A-B |

REFERENCE DRAWINGS

ASSEMBLY - AC 00252
 LOGIC DIAGRAM - L 00252
 P.C. BOARD - NE 00037

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------------------|-----|---------------------|-----|----------------------|-----|----------------------------------|-----|----------------------------------|-----|----------------------------------|
| 1 | GND. | 24 | LRN2 | 47 | RA \emptyset LOC | 70 | YS4L ∇ | 93 | C(\emptyset 8) ∇ | 116 | B(\emptyset 3) ∇ |
| 2 | GND. | 25 | RA \emptyset LRN2 | 48 | RA1LOC | 71 | GND. | 94 | C(\emptyset 8) ∇ | 117 | RA \emptyset B(\emptyset 3) |
| 3 | VCY | 26 | RA1LRN2 | 49 | RB \emptyset LOC | 72 | GND. | 95 | RA \emptyset C(\emptyset 8) | 118 | RA1B(\emptyset 3) |
| 4 | VCY ∇ | 27 | RB \emptyset LRN2 | 50 | RB1LOC | 73 | TXW | 96 | RA1C(\emptyset 8) | 119 | RB \emptyset B(\emptyset 3) |
| 5 | RA \emptyset VCYP | 28 | RB1LRN2 | 51 | -5 | 74 | TXW ∇ | 97 | RB \emptyset C(\emptyset 8) | 120 | RB1B(\emptyset 3) |
| 6 | RA1VCYP | 29 | GND. | 52 | -5 | 75 | RA \emptyset TXW | 98 | RB1C(\emptyset 8) | 121 | MC2 |
| 7 | RB \emptyset VCYP | 30 | GND. | 53 | N.C. | 76 | RA1TXW | 99 | GND. | 122 | MC2 ∇ |
| 8 | RB1VCYP | 31 | MS2 ∇ | 54 | N.C. | 77 | RB \emptyset TXW | 100 | GND. | 123 | RA \emptyset MC2 |
| 9 | BR1 ∇ | 32 | MS2 | 55 | N.C. | 78 | RB1TXW | 101 | C(\emptyset 5) | 124 | RA1MC2 |
| 10 | BR1 | 33 | RA \emptyset MS2 | 56 | 13 CLOCK B2 ∇ | 79 | C(2 \emptyset) | 102 | C(\emptyset 5) ∇ | 125 | RB \emptyset MC2 |
| 11 | RA \emptyset BR1 | 34 | RA1MS2 | 57 | GND. | 80 | C(2 \emptyset) ∇ | 103 | RA \emptyset C(\emptyset 5) | 126 | RB1MC2 |
| 12 | RA1BR1 | 35 | RB \emptyset MS2 | 58 | GND. | 81 | RA \emptyset C(2 \emptyset) | 104 | RA1C(\emptyset 5) | 127 | +5 |
| 13 | RB \emptyset BR1 | 36 | RB1MS2 | 59 | XS2L ∇ | 82 | RA1C(2 \emptyset) | 105 | RB \emptyset C(\emptyset 5) | 128 | +5 |
| 14 | RB1BR1 | 37 | LSPX ∇ | 60 | XS2R ∇ | 83 | RB \emptyset C(2 \emptyset) | 106 | RB1C(\emptyset 5) | 129 | +5 |
| 15 | GND. | 38 | LSPX | 61 | I2 CLOCK A3 ∇ | 84 | RB1C(2 \emptyset) | 107 | B(\emptyset 6) | 130 | +5 |
| 16 | GND. | 39 | RA \emptyset LSPX | 62 | XS2 ∇ | 85 | GND. | 108 | B(\emptyset 6) ∇ | 131 | +5 |
| 17 | LQX ∇ | 40 | RA1LSPX | 63 | GND. | 86 | GND. | 109 | RA \emptyset B(\emptyset 6) | 132 | +5 |
| 18 | LQX | 41 | RB \emptyset LSPX | 64 | I3 CLOCK A2 ∇ | 87 | C(17) | 110 | RA1B(\emptyset 6) | 133 | +5 |
| 19 | RA \emptyset LQX | 42 | RB1LSPX | 65 | GND. | 88 | C(17) ∇ | 111 | RB \emptyset B(\emptyset 6) | 134 | +5 |
| 20 | RA1LQX | 43 | GND. | 66 | GND. | 89 | RA \emptyset C(17) | 112 | RB1B(\emptyset 6) | 135 | +5 |
| 21 | RB \emptyset LQX | 44 | GND. | 67 | YS4 ∇ | 90 | RA1C(17) | 113 | GND. | 136 | +5 |
| 22 | RB1LQX | 45 | LOC ∇ | 68 | I2 CLOCK B3 ∇ | 91 | RB \emptyset C(17) | 114 | GND. | | |
| 23 | LRN2 ∇ | 46 | LOC | 69 | YS4R ∇ | 92 | RB1C(17) | 115 | B(\emptyset 3) | | |

COPY

| | | | | |
|------------|----------------|---------------|---------------|--------------|
| NO | RELEASED | DATE | DRAWN | APPROVED |
| NO | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC 00279 | DESIGNED | TITLE | | |
| | DES. CHK'D | I REGISTER I4 | | |
| | DRAWN 12-24-69 | ASSEMBLY | | |
| | D. MORENO | PROJECT | | |
| DWG. CHK'D | AMC & CHIO | | U1B16 & W1B16 | |
| SCALE | SHEET | OF | NO | |
| | 1 | 1 | | AC 00279 . C |

TERMINATOR RESISTORS

| PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % | PIN | VALUE | % |
|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|
| 1 | | | 35 | | | 69 | | | 103 | | |
| 2 | | | 36 | | | 70 | | | 104 | | |
| 3 | | | 37 | | | 71 | | | 105 | | |
| 4 | | | 38 | | | 72 | | | 106 | | |
| 5 | | | 39 | | | 73 | | | 107 | | |
| 6 | | | 40 | | | 74 | | | 108 | | |
| 7 | | | 41 | | | 75 | | | 109 | | |
| 8 | | | 42 | | | 76 | | | 110 | | |
| 9 | | | 43 | | | 77 | | | 111 | | |
| 10 | | | 44 | | | 78 | | | 112 | | |
| 11 | | | 45 | | | 79 | | | 113 | | |
| 12 | | | 46 | | | 80 | | | 114 | | |
| 13 | | | 47 | | | 81 | | | 115 | | |
| 14 | | | 48 | | | 82 | | | 116 | | |
| 15 | | | 49 | | | 83 | | | 117 | | |
| 16 | | | 50 | | | 84 | | | 118 | | |
| 17 | | | 51 | | | 85 | | | 119 | | |
| 18 | | | 52 | | | 86 | | | 120 | | |
| 19 | | | 53 | | | 87 | | | 121 | | |
| 20 | | | 54 | | | 88 | | | 122 | | |
| 21 | | | 55 | | | 89 | | | 123 | | |
| 22 | | | 56 | 150 | | 90 | | | 124 | | |
| 23 | | | 57 | | | 91 | | | 125 | | |
| 24 | | | 58 | | | 92 | | | 126 | | |
| 25 | | | 59 | | | 93 | | | 127 | | |
| 26 | | | 60 | | | 94 | | | 128 | | |
| 27 | | | 61 | 330 | | 95 | | | 129 | | |
| 28 | | | 62 | 330 | | 96 | | | 130 | | |
| 29 | | | 63 | | | 97 | | | 131 | | |
| 30 | | | 64 | 150 | | 98 | | | 132 | | |
| 31 | | | 65 | | | 99 | | | 133 | | |
| 32 | | | 66 | | | 100 | | | 134 | | |
| 33 | | | 67 | 330 | | 101 | | | 135 | | |
| 34 | | | 68 | 330 | | 102 | | | 136 | | |

ALL TERMINATOR RESISTORS ARE CARBON COMP. IN OHMS, 10%.
 ALL TERMINATOR RESISTORS > 120Ω ARE 1/8 W
 ALL TERMINATOR RESISTORS ≤ 120Ω ARE 1/4 W.

NOTES:

1. JUMPERS

POSITION

J1 THRU 14, 19, 20, 27-30 A-C
 J15 THRU 18, 21-26 A-B

REFERENCE DRAWINGS

ASSEMBLY - AC 00252
 LOGIC DIAGRAM - L 00252
 P.C. BOARD - NE 00037

SIGNAL NAME SCHEDULE (P.C. CONNECTOR)

| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL |
|-----|---------|-----|--------|-----|-------------|-----|----------|-----|----------|-----|----------|
| 1 | GND. | 24 | LMX | 47 | RA0SSP2 | 70 | YS5L | 93 | C(11) | 116 | B(04) |
| 2 | GND. | 25 | RA0LMX | 48 | RA1SSP2 | 71 | GND. | 94 | C(11) | 117 | RA0B(04) |
| 3 | TEZY | 26 | RA1LMX | 49 | RB0SSP2 | 72 | GND. | 95 | RA0C(11) | 118 | RA1B(04) |
| 4 | TEZY | 27 | RB0LMX | 50 | RB1SSP2 | 73 | TYW | 96 | RA1C(11) | 119 | RB0B(04) |
| 5 | RA0TEZY | 28 | RB1LMX | 51 | -5 | 74 | TYW | 97 | RB0C(11) | 120 | RB1B(04) |
| 6 | RA1TEZY | 29 | GND. | 52 | -5 | 75 | RA0TYW | 98 | RB1C(11) | 121 | MC5 |
| 7 | RB0TEZY | 30 | GND. | 53 | N.C. | 76 | RA1TYW | 99 | GND. | 122 | MC5 |
| 8 | RB1TEZY | 31 | MS5 | 54 | N.C. | 77 | RB0TYW | 100 | GND. | 123 | RA0MC5 |
| 9 | BR2 | 32 | MS5 | 55 | N.C. | 78 | RB1TYW | 101 | C(06) | 124 | RA1MC5 |
| 10 | BR2 | 33 | RA0MS5 | 56 | I3 CLOCK B2 | 79 | C(23) | 102 | C(06) | 125 | RB0MC5 |
| 11 | RA0BR2 | 34 | RA1MS5 | 57 | GND. | 80 | C(23) | 103 | RA0C(06) | 126 | RB1MC5 |
| 12 | RA1BR2 | 35 | RB0MS5 | 58 | GND. | 81 | RA0C(23) | 104 | RA1C(06) | 127 | +5 |
| 13 | RB0BR2 | 36 | RB1MS5 | 59 | X53L | 82 | RA1C(23) | 105 | RB0C(06) | 128 | +5 |
| 14 | RB1BR2 | 37 | MS0 | 60 | X53R | 83 | RB0C(23) | 106 | RB1C(06) | 129 | +5 |
| 15 | GND. | 38 | MS0 | 61 | I2 CLOCK A3 | 84 | RB1C(23) | 107 | B(09) | 130 | +5 |
| 16 | GND. | 39 | RA0MS0 | 62 | X53 | 85 | GND. | 108 | B(09) | 131 | +5 |
| 17 | LZY | 40 | RA1MS0 | 63 | GND. | 86 | GND. | 109 | RA0B(09) | 132 | +5 |
| 18 | LZY | 41 | RB0MS0 | 64 | I3 CLOCK A2 | 87 | C(18) | 110 | RA1B(09) | 133 | +5 |
| 19 | RA0LZY | 42 | RB1MS0 | 65 | GND. | 88 | C(18) | 111 | RB0B(09) | 134 | +5 |
| 20 | RA1LZY | 43 | GND. | 66 | GND. | 89 | RA0C(18) | 112 | RB1B(09) | 135 | +5 |
| 21 | RB0LZY | 44 | GND. | 67 | YS5 | 90 | RA1C(18) | 113 | GND. | 136 | +5 |
| 22 | RB1LZY | 45 | SSP2 | 68 | I2 CLOCK B3 | 91 | RB0C(18) | 114 | GND. | | |
| 23 | LMX | 46 | SSP2 | 69 | YS5R | 92 | RB1C(18) | 115 | B(04) | | |

| | | | | |
|-----------|-----------------------------------------|----------------|------------------------|-----------|
| 0 | RELEASED | | | |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED |
| REVISIONS | | | | |
| AC00280 | DESIGNED | TITLE | | |
| | DES. CHK'D | I REGISTER I 5 | | |
| | DRAWN <i>Cantin 12/24/69</i> | ASSEMBLY | | |
| | DWG. CHK'D 12-24-69 <i>D. MORENO</i> | PROJECT | AMC & CHIO UIBIT-WIBIT | |
| SCALE | SHEET | OF | NO | |
| | 1 | 1 | | AC00280.C |



Berkeley
Computer
Corporation


(P1 PROTECT) AC00120 L 00120 NE00058
(P2 REQUEST) AC00120 L 00120 NE00058
(P3 DATA A) AC00120 L 00120 NE00058
(P4 DATA B) AC00120 L 00120 NE00058

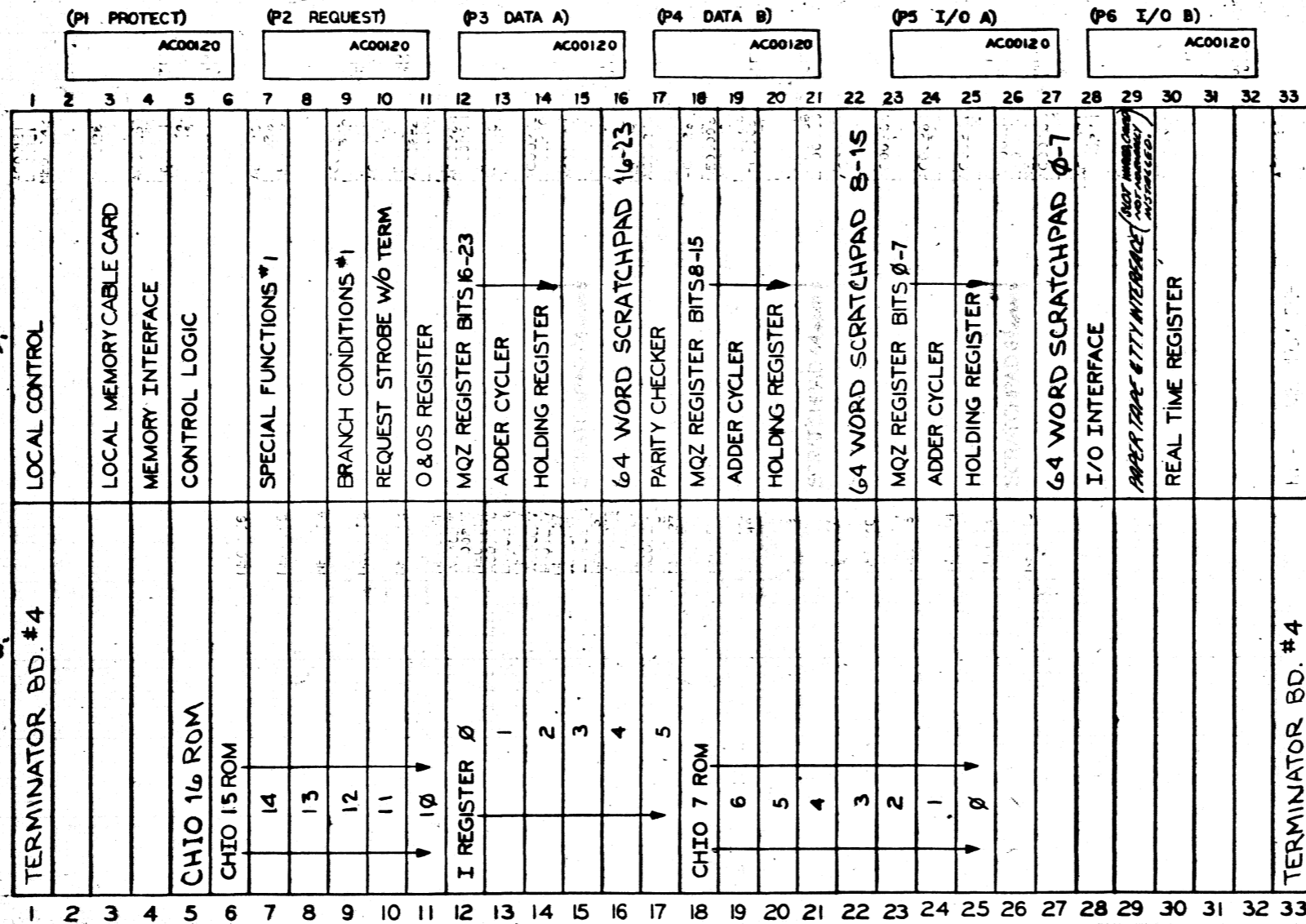
UIA

UIB

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | | | |
| TERMINATOR BD. #4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCAL CONTROL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TERMINATOR BD. #5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEMORY INTERFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONTROL LOGIC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL FUNCTIONS #1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRANCH CONDITIONS #1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REQUEST STROBE W/ TERM. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O&OS REGISTER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M.Q.Z REGISTER (8-23) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADDER-CYCLER (6-23) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOLDING REGISTER (6-23) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 WORD SCRATCHPAD (16-23) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PARITY CHECKER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M.Q.Z REGISTER (8-15) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADDER-CYCLER (8-15) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOLDING REGISTER (8-15) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 WORD SCRATCHPAD (8-16) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M.Q.Z REGISTER (8-7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADDER-CYCLER (8-7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOLDING REGISTER (8-7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 WORD SCRATCHPAD (8-7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I/O INTERFACE CARD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAPER TAPE & TTY INTERFACE (NOT NORMALLY INSTALLED) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TERMINATOR BD. #4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|----|---|----------|----------------------------|
| 1 | 1 | AC00123 | LOCAL CONTROL |
| 2 | 1 | AC00259 | MEMORY INTERFACE |
| 3 | 1 | AC00260 | CONTROL LOGIC |
| 4 | 1 | AC00261 | SPECIAL FUNCTIONS #1 |
| 5 | 1 | AC00262 | BRANCH CONDITIONS #1 |
| 6 | 1 | AC00263 | REQUEST STROBE W/TERM. |
| 7 | 1 | AC00264 | O&OS REGISTER |
| 8 | 1 | AC00264 | M.Q.Z REGISTER (16-23) |
| 9 | 1 | AC00267 | ADDER CYCLER (16-23) |
| 10 | 1 | AC00270 | HOLDING REGISTER (16-23) |
| 11 | | | |
| 12 | 1 | AC 00646 | 64 WORD SCRATCHPAD (16-23) |
| 13 | 1 | AC00273 | PARITY CHECKER |
| 14 | 1 | AC00265 | M.Q.Z REGISTER (8-15) |
| 15 | 1 | AC00268 | ADDER CYCLER (8-15) |
| 16 | 1 | AC00271 | HOLDING REGISTER (8-15) |
| 17 | | | |
| 18 | 1 | AC 00645 | 64 WORD SCRATCHPAD (8-15) |
| 19 | 1 | AC00266 | M.Q.Z REGISTER (8-7) |
| 20 | 1 | AC00269 | ADDER-CYCLER (8-7) |
| 21 | 1 | AC00272 | HOLDING REGISTER (8-7) |
| 22 | | | |
| 23 | 1 | AC 00644 | 64 WORD SCRATCHPAD (8-7) |
| 24 | 1 | AC00274 | I/O INTERFACE CARD |
| 25 | 1 | AC 00601 | AME 13 ROM |
| 26 | 1 | AC 00600 | AME 12 ROM |
| 27 | 1 | AC 00599 | AME 11 ROM |
| 28 | 1 | AC 00598 | AME 10 ROM |
| 29 | 1 | AC00275 | I REGISTER #0 |
| 30 | 1 | AC00276 | I REGISTER #1 |
| 31 | 1 | AC00277 | I REGISTER #2 |
| 32 | 1 | AC00278 | I REGISTER #3 |
| 33 | 1 | AC00279 | I REGISTER #4 |
| 34 | 1 | AC00280 | I REGISTER #5 |
| 35 | 1 | AC 00597 | AME 7 ROM |
| 36 | 1 | AC 00596 | AME 6 ROM |
| 37 | 1 | AC 00595 | AME 5 ROM |
| 38 | 1 | AC 00594 | AME 4 ROM |
| 39 | 1 | AC 00593 | AME 3 ROM |
| 40 | 1 | AC 00592 | AME 2 ROM |
| 41 | 1 | AC 00591 | AME 1 ROM |
| 42 | 1 | AC 00590 | AME 0 ROM |
| 43 | 2 | AC 00671 | TERMINATOR BD. #4 |
| 44 | 1 | AC 00672 | TERMINATOR BD. #5 |
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|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|-------------|------------|
| NO. | RELEASED | DATE | BY | APPROVED |
| REVISIONS | | | | |
| REVISION | TITLE | DATE | BY | APPROVED |
| 1 | ASSY. CARD CAGE - AMC | 12-5-63 | G. AZZALINA | |
| 2 | SYSTEM | 1/14/64 | | |
| 3 | | | | |
|  Berkeley Computer Corporation NONE | | 2 | 2 | AE00036, B |



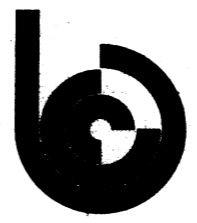
| | | | |
|----|---|---------|----------------------------|
| 1 | 1 | AC00121 | LOCAL CONTROL |
| 2 | 1 | AC00126 | LOCAL MEMORY CABLE CARD |
| 3 | 1 | AC00259 | MEMORY INTERFACE |
| 4 | 1 | AC00260 | CONTROL LOGIC |
| 5 | 1 | AC00261 | SPECIAL FUNCTIONS #1 |
| 6 | 1 | AC00262 | BRANCH CONDITIONS #1 |
| 7 | 1 | AC00281 | REQUEST STROBE W/O TERM. |
| 8 | 1 | AC00282 | O & OS REGISTER |
| 9 | 1 | AC00284 | MQZ REGISTER (16-23) |
| 10 | 1 | AC00267 | ADDER CYCLER (16-23) |
| 11 | 1 | AC00270 | HOLDING REGISTER (16-23) |
| 12 | 1 | AC00646 | SCRATCHPAD 64 WORD (16-23) |
| 13 | | | |
| 14 | 1 | AC00273 | PARITY CHECKER |
| 15 | 1 | AC00265 | MQZ REGISTER (8-15) |
| 16 | 1 | AC00268 | ADDER CYCLER (8-15) |
| 17 | 1 | AC00271 | HOLDING REGISTER (8-15) |
| 18 | 1 | AC00645 | SCRATCHPAD 64 WORD (8-15) |
| 19 | | | |
| 20 | 1 | AC00266 | MQZ REGISTER (0-7) |
| 21 | 1 | AC00269 | ADDER CYCLER (0-7) |
| 22 | 1 | AC00272 | HOLDING REGISTER (0-7) |
| 23 | 1 | AC00644 | SCRATCHPAD 64 WORD (0-7) |
| 24 | | | |
| 25 | 1 | AC00274 | I/O INTERFACE |
| 26 | 1 | AC00060 | REAL TIME REGISTER |
| 27 | 1 | AC00553 | CHIO 15 ROM |
| 28 | 1 | AC00552 | CHIO 14 ROM |
| 29 | 1 | AC00551 | CHIO 13 ROM |
| 30 | 1 | AC00550 | CHIO 12 ROM |
| 31 | 1 | AC00549 | CHIO 11 ROM |
| 32 | 1 | AC00548 | CHIO 10 ROM |
| 33 | 1 | AC00275 | I REGISTER 0 |
| 34 | 1 | AC00276 | I REGISTER 1 |
| 35 | 1 | AC00277 | I REGISTER 2 |
| 36 | 1 | AC00278 | I REGISTER 3 |
| 37 | 1 | AC00279 | I REGISTER 4 |
| 38 | 1 | AC00280 | I REGISTER 5 |
| 39 | 1 | AC00547 | CHIO 7 ROM |
| 40 | 1 | AC00546 | CHIO 6 ROM |
| 41 | 1 | AC00545 | CHIO 5 ROM |
| 42 | 1 | AC00544 | CHIO 4 ROM |
| 43 | 1 | AC00543 | CHIO 3 ROM |
| 44 | 1 | AC00542 | CHIO 2 ROM |
| 45 | 1 | AC00541 | CHIO 1 ROM |
| 46 | 1 | AC00540 | CHIO 0 ROM |
| 47 | 2 | AC00671 | TERMINATOR BD. #4 |
| 48 | 1 | AC00509 | CHIO 16 ROM |
| 49 | | | |
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|-----------|------|-----------------|------------------------------|
| APPROVED | DATE | BY | APPROVED |
| REVISIONS | | | |
| REV | DATE | BY | DESCRIPTION |
| 1 | | | ASSY. CARD CAGE-CHIO PHASE 2 |
| | | MODEL 1 NONE | 2 2 AE00087.B |

1. "COPY OF RECORD" LOGIC DIAGRAMS FOR FOLLOWING BOARDS ARE TO BE FOUND AS PART OF THE BASIC PROCESSOR;

- A. MEMORY INTERFACE _____ L 00240
- B. CONTROL LOGIC _____ L 00241
- C. SPECIAL FUNCTIONS #1 _____ L 00242
- D. BRANCH CONDITIONS #1 _____ L 00243
- E. REQUEST STROBE W/O TERM _____ L 00244
- F. O & OS REGISTER _____ L 00245
- G. M. Q. Z. REGISTER _____ L 00246
- H. ADDER CYCLER _____ L 00247
- I. HOLDING REGISTER _____ L 00248
- J. 64 WORD SCRATCHPAD _____ L 00299
- K. PARITY CHECKER _____ L 00250
- L. I/O INTERFACE _____ L 00251
- M. I REGISTER _____ L 00252

2. "COPY OF RECORD" LOGIC DIAGRAM FOR PAPER TAPE & TTY INTERFACE HAS NEVER BEEN REDUCED TO "B" SIZE. SEE "D" SIZE LOGIC DIAGRAM BOOK FOR L 00654

| | | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------|-------|----------|-------|
| .O | RELEASED | | | _____ | _____ |
| NO. | DESCRIPTION | DATE | DRAWN | APPROVED | |
| REVISIONS | | | | | |
|  Berkeley Computer Corporation | DESIGNED | TITLE | | | |
| | DES. CHK'D | M1 CHIO SPECIAL DOCUMENTATION NOTES | | | |
| | DRAWN DM 10-29-70 | PROJECT | | | |
| | DWG. CHK'D | M1 CHIO | | | |
| | SCALE | SHEET | OF | NO. | |
| | 1 | 1 | | _____ | |

