

NOTES:

1. FOR FIELD INSTALLATION:
 A. PLUG BOARD INTO OMNIBUS.
 B. IF THERE ARE NO CONNECTIONS TO J5 ON THE 724 POWER SUPPLY, OR IF (OPTION CONNECTOR) ON THE BIF C/BIN POWER SUPPLY, INSTALL THE RED LEAD INTO THE CENTER POSITION ON THE 3 CONTACT MATE-N-LOCK CONNECTOR. THEN INSTALL THE 2 WHITE LEADS IN THE 2 REMAINING POSITIONS.
 C. IF THE PROCESSOR HAS MORE THAN ONE OPTION THAT USES THE "OPTION CONNECTOR" (J1 B1M E B1J OR J5(B1E)) THE MODULES WILL BE CONNECTED IN PARALLEL TO THE POWER SUPPLY IN THE FOLLOWING MANNER: INSERT THE PINS FROM THE "POWER SUPPLY END" OF THE MATE-N-LOCK INTO THE VACANT SOCKETS OF THE "OTHER OPTIONS" EIGHT PIN MATE-N-LOCK USING THE TABLE BELOW.

| WIRE COLOR | PIN # |
|------------|-------|
| RED | 4E5 |
| WHITE | 1E2 |
| WHITE | 7E8 |

2. REMOVE JUMPER W2 FOR PDP/EIM & RIF

| QTY | REF DESIGNATION | DESCRIPTION | PART NO. | ITEM NO. |
|-----|------------------------|----------------------------|---------------|----------|
| 2 | R28, R50 | RES. 249 1/8W 1% | 1309767 | 71 |
| 1 | R49 | RES. 75 1/8W 1% | 1303064 | 70 |
| 1 | R24 | RES. 511 1/8W 1% | 1302411 | 69 |
| 1 | R16 | RES. 3.65K 1/8W. 1% | 1304835 | 68 |
| 1 | R48 | RES. 3.83K 1/8W 1% | 1309413 | 67 |
| 1 | C32 | CAP 68UF 15V 10% | 1030382 | 66 |
| AM | | WIRE #22 GA SOLID BUS | 9107560-01 | 65 |
| 1 | | POWER CABLE 20VAC | 63A-WH25-4 | 64 |
| 1 | R25 | RES. 464 1/4W 1% | 1303047 | 63 |
| 2 | | WASHER FLAT #4 NYLON | 9006706 | 62 |
| 2 | | NUT, KEPS #4-40 SST | 9006557 | 61 |
| 2E | | SCREW PHL #0 PAN #4-40X1/2 | 9006010-1 | 60 |
| 2E | | SPRIT LUG | 9006735 | 59 |
| 1 | E11 | IC DEC 6314 | 1909972 | 58 |
| 2 | E8, E18 | IC DEC 6380 | 1909977 | 57 |
| 2 | E13, E17 | IC DEC 8881 | 1909705 | 56 |
| 2 | E12, E15 | IC DEC 384 | 1909836 | 55 |
| 4 | E1, E3, E4, E7 | IC DEC 7401 | 1909373 | 54 |
| 1 | E5 | IC DEC 7402 | 1909373 | 53 |
| 1 | E6 | IC DEC 7402 | 1909373 | 52 |
| 1 | E16 | IC DEC 7410 | 1909004 | 51 |
| 1 | E2 | IC DEC 7400 | 1905576 | 50 |
| 2 | E9, E10 | IC DEC 7474 | 1905547 | 49 |
| 2 | Q6, Q7 | TRANSISTOR DEC 6534B | 1503409-01 | 48 |
| 6 | Q1, Q5, Q8 | TRANSISTOR DEC 3009B | 1503100 | 47 |
| 1 | R23 | RES. 445 1/4W 5% | 1300654 | 46 |
| 1 | R36 | RES. 68.1K 1/4W 1% | 1305252 | 45 |
| 1 | R37 | RES. 5.62K 1/4W 1% | 1305128 | 44 |
| 1 | R27 | RES. 215 1/4W 1% | 1305123 | 43 |
| 1 | R40 | RES. 3.48K 1/4W 1% | 1305114 | 42 |
| 2 | E13, E14 | RES. 4.7K 1/4 5% | 1300447 | 41 |
| 2 | R4, R36 | RES. 3.3K 1/4W 5% | 1300439 | 40 |
| 2 | R39, R32 | RES. 348 1/4W 1% | 1304858 | 39 |
| 1 | E23 | RES. 1.96K 1/8W 1% | 1304533 | 38 |
| 1 | E26 | RES. 10K 1/4W 1% | 1303312 | 37 |
| 1 | E31 | RES. 21.5K 1/4W 1% | 1303155 | 36 |
| 4 | E5, E20, E21, E39 | RES. 10K 1/4W 1% | 1303114 | 35 |
| 1 | E22 | RES. 287 1/4W 1% | 1305124 | 34 |
| 1 | E28 | RES. 82K 1/4W 1% | 1305124 | 33 |
| 1 | E1 | RES. 47K 1/4W 5% | 1302177 | 32 |
| 4 | E9, E11, R45, R46 | RES. 27 1/4W 10% | 1301420 | 31 |
| 4 | R5, R12, R17, R18 | RES. 1K 1/4W 5% | 1300365 | 30 |
| 4 | R6, E7, E8, R44 | RES. 10K 1/4W 5% | 1300479 | 29 |
| 1 | E3, E19, E34, E20, E21 | RES. 1.5K 1/4W 5% | 1300391 | 28 |
| 3 | E2, E10, R47 | RES. 470 1/4W 5% | 1300316 | 27 |
| 3 | R35, E41, E43 | RES. 100 1/4W 5% | 1300229 | 26 |
| 4E | | GRIPLET, SMALL | 1210244-0 | 25 |
| 1 | S1 | SWITCH, TOGGLE | 1210209 | 24 |
| 1 | J1 | PIN SOCKET (MATE-N-LOCK) | 1209456 | 23 |
| 1 | J1 | PIN HOUSING (MATE-N-LOCK) | 1209340-00 | 22 |
| 3 | D4-D11 | DIODE 3672 | 1105275 | 21 |
| 1 | D16 | DIODE AZ1 1/4M&VZ1M | 1109941 | 20 |
| 1 | D2, D12-D15 | DIODE 664 | 1100114 | 19 |
| 1 | C31 | CAP. 15UF 20V 10% | 1004812 | 18 |
| 1 | C25, C26, C29 | CAP. 200UF 50V 5% | 1000039 | 17 |
| 1 | C28 | CAP. 10UF 35V 10% | 1001776 | 16 |
| 1 | C20 | CAP. 27PF 100V 5% | 1001739 | 15 |
| 20 | C1-C20 | CAP. .01UF 100V 20% | 1001610 | 14 |
| 1 | C36 | CAP. 180UF 10V 20% | 1000086 | 13 |
| 1 | C37 | CAP. 39UF 10V 20% | 1000076 | 12 |
| 3 | C23, C34, C35 | CAP. 4.8UF 35V 20% | 1000057 | 11 |
| 1 | C29 | CAP. 3.9UF 15V 10% | 000044 | 10 |
| 1 | C30 | CAP. 220PF 100V 5% | 1000021 | 9 |
| 1 | C27 | CAP. 68PF 100V 5% | 1000014 | 8 |
| 4 | | SPACER (CABLE CLAMP) | 1202704 | 7 |
| 4 | | EYELET 654-11 STIMPSON | 9006750 | 6 |
| 1 | | HANDLE FLIP CHIP-MAGENTA | 900337-26 | 5 |
| 1 | | ETCHED CIRCUIT BOARD | 8009382 | 4 |
| REF | | MODULE HISTORY LIST | BMM-1344-2-4 | 3 |
| REF | | ASSY/DRILLING HOLE LAYOUT | 04M-M242-2-5 | 2 |
| REF | | X,Y COORDINATE HOLE LOC | K-CO-1342-2-4 | 1 |

| ETCH BOARD REV | C | D |
|----------------|----------|---|
| 6534B | MPS 628A | |
| 3009B | 2N3009 | |
| A21 | + | |
| D672 | 1N3653 | |
| D664 | 1N3608 | |

CONDUCTOR CONVERSION CHART

EQUIPMENT CORPORATION

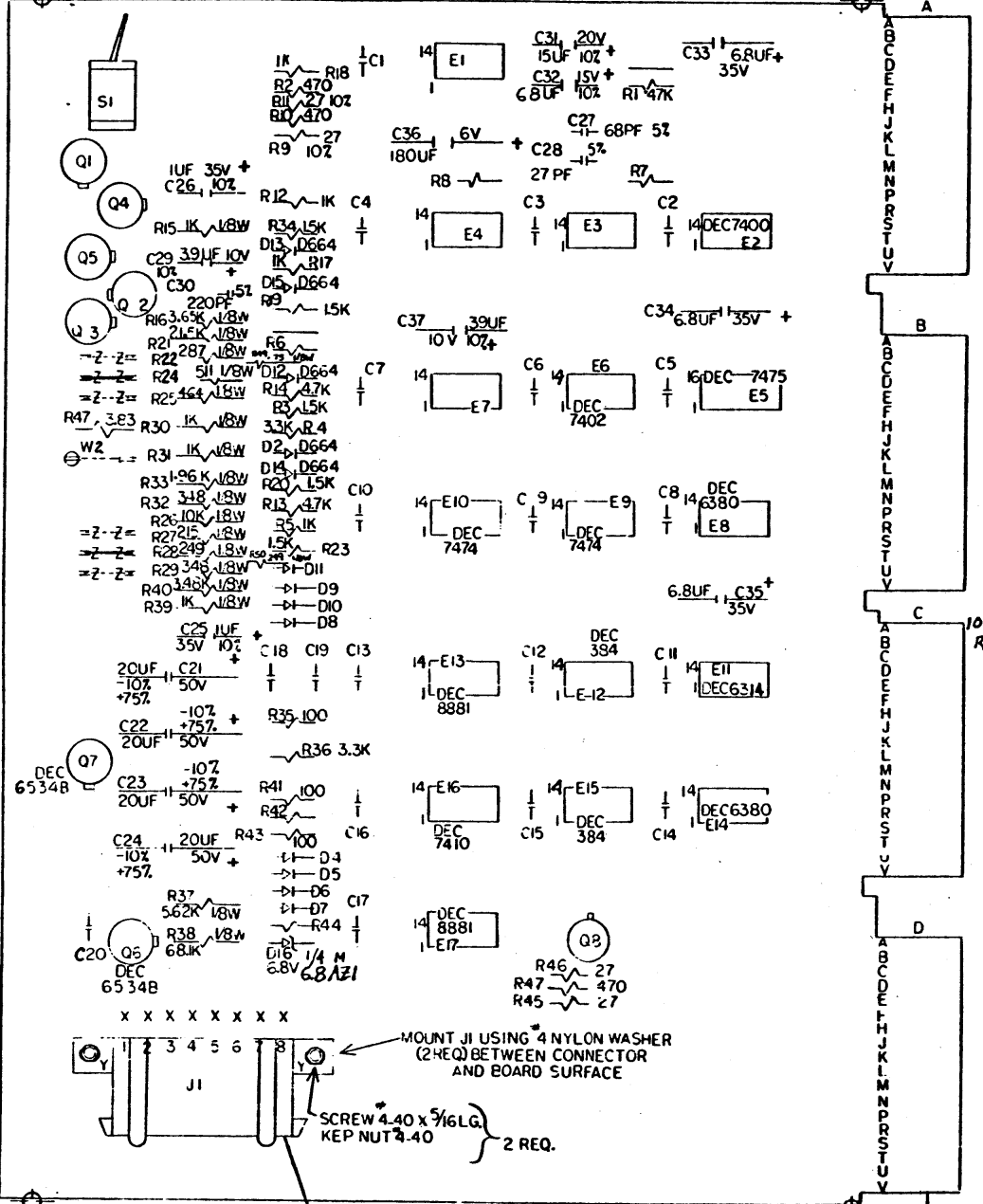
POWER FAIL & AUTO RESTART

MODEL: ECSM848-0-1

DATE: 12/11/72

REV: 1 OF 2

*X HOLES .496(C73 DIA) DRILL NO GRIPLET
 *Y HOLES .30(.285 DIA) DRILL NO GRIPLET
 FOR GRIPLETS DRILL ALL UNMARKED HOLES .54(.055 DIA) DRILL AND FOR 2 HOLES .51(.067 DIA) DRILL NO GRIPLET



MOUNT J1 USING 4 NYLON WASHER (2 REQ) BETWEEN CONNECTOR AND BOARD SURFACE

SCREW 4.40 X 5/16 LG. KEP NUT 7.40 } 2 REQ.

SEE NOTE #1

POWER FAIL THRESHOLDS

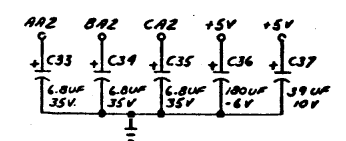
| LINE | 12V AC UPPER/LOWER THRESHOLD | 230V AC UPPER/LOWER THRESHOLD | INSTALL JUMBERS |
|--------|------------------------------|-------------------------------|-----------------|
| HIGH | 105/95 | 190/170 | C8F |
| NORMAL | 90/80 | 175/155 | B8E |
| LOW | 80/70 | 160/140 | A8D |

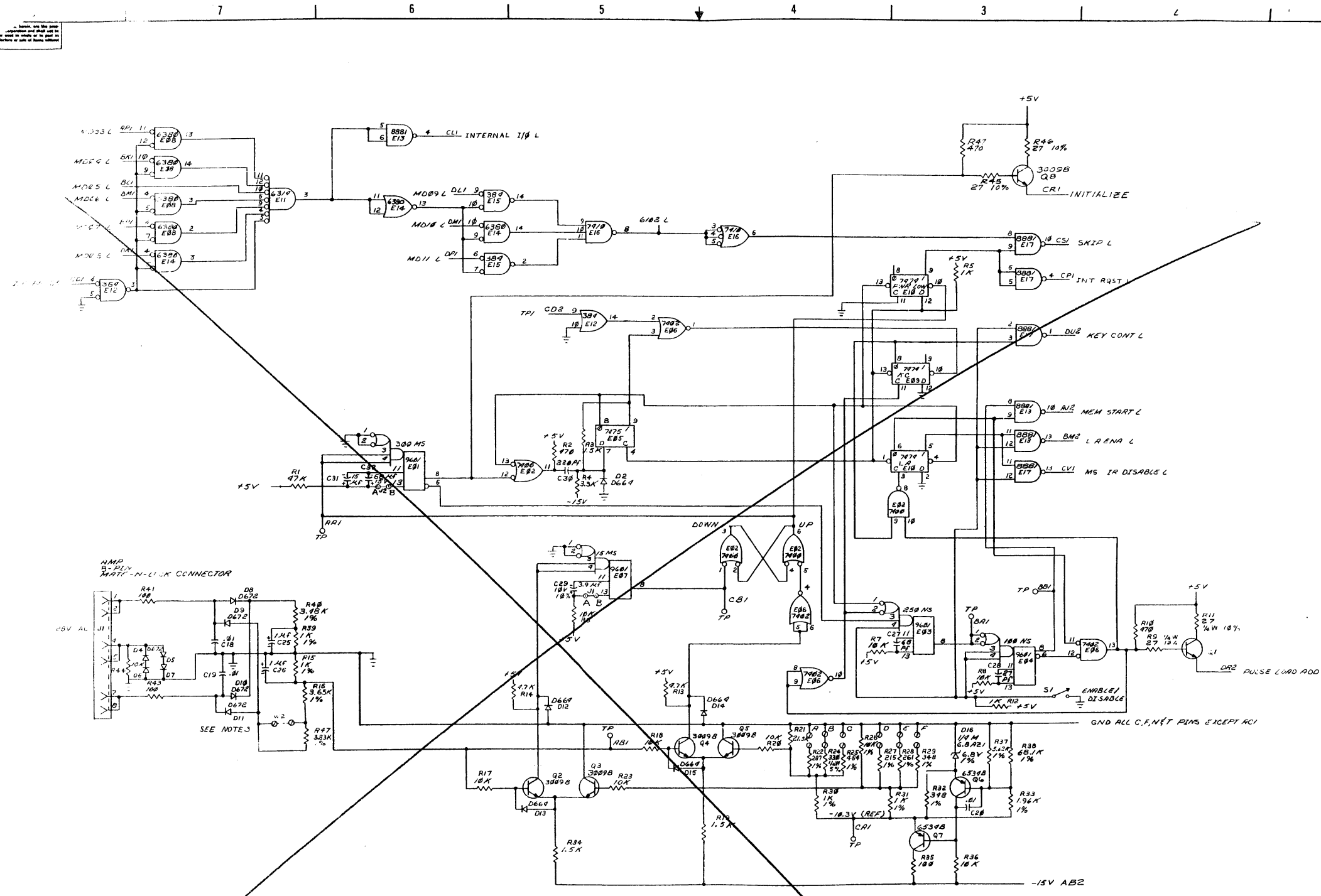
NOTE:
 UPPER THRESHOLD RESTARTS COMPUTER
 LOWER THRESHOLD SETS POWER LOW FLAG.

| IC PIN LOCATIONS | JUMPER LIST |
|------------------|---------------|
| DEC 6314 | 1 8 |
| DEC 6380 | 1 8 |
| DEC 304 | 1 8 |
| K TYPE | GND #9W |
| | G5 22 J2A J2B |
| | G5 22 J1A J1B |

IC PIN LOCATIONS

JUMPER LIST





NMP
2-DIX
MATH-N-LINK CONNECTOR

SEE NOTE 3

GND ALL C.F.N.T PINS EXCEPT AC1

| QTY | DESCRIPTION | PART NO. | ITEM NO. |
|-----------------------------|-------------|-----------------------|----------|
| PARTS LIST | | | |
| UNLESS OTHERWISE SPECIFIED: | | | |
| DATE | DATE | EQUIPMENT CORPORATION | |
| DRP | DATE | TITLE | |
| POWER FAIL | | | |
| AUTO-RESTART | | | |
| ECS M848-0-1 | | | |
| SHEET 2 OF 2 | | | |

ECS M848-0-1

DATE: _____
BY: _____
CHK: _____