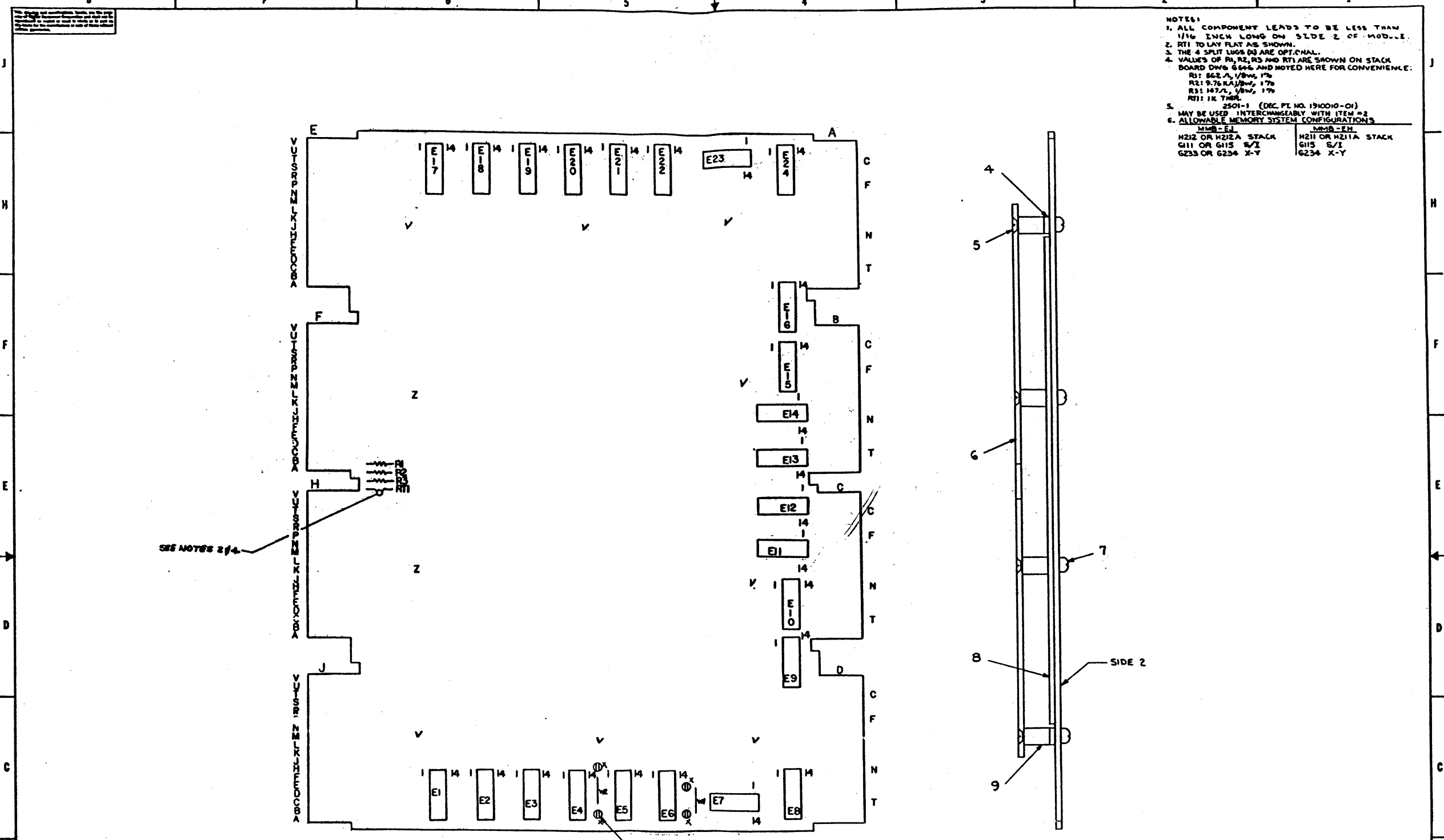
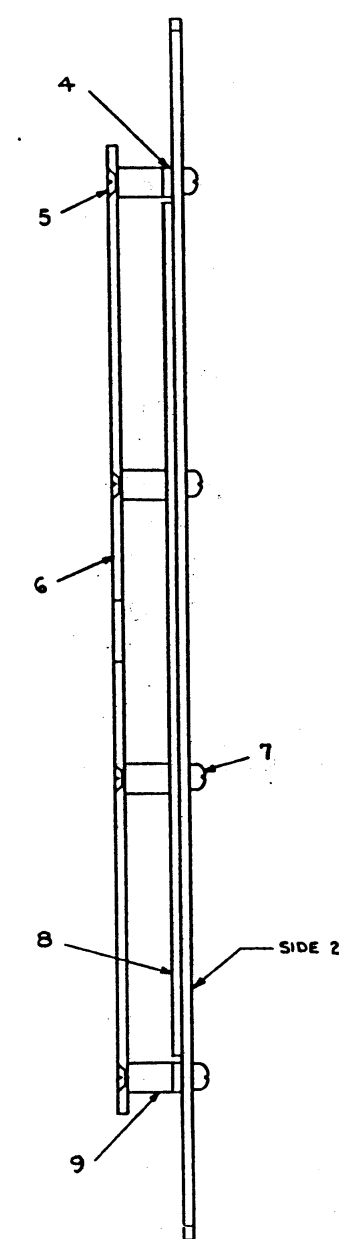


NOTES:  
 1. ALL COMPONENT LEADS TO BE LESS THAN 1/16 INCH LONG ON SIDE 2 OF MODULE.  
 2. RTI TO LAY FLAT AS SHOWN.  
 3. THE 4 SPLIT LUGS (D) ARE OPT. CNAL.  
 4. VALUES OF R1, R2, R3 AND RTI ARE SHOWN ON STACK BOARD DWG 6646 AND NOTED HERE FOR CONVENIENCE:  
 R1: 562 A, 1/8" x 1 1/2"  
 R2: 976 A, 1/8" x 1 1/2"  
 R3: 142 A, 1/8" x 1 1/2"  
 RTI: 1K TRML  
 5. 2501-1 (DEC. PT. NO. 191010-01) MAY BE USED INTERCHANGEABLY WITH ITEM #2  
 6. ALLOWABLE MEMORY SYSTEM CONFIGURATIONS:  
 MMB-EJ MMB-FH  
 H212 OR H212A STACK H211 OR H211A STACK  
 G111 OR G115 S/I G115 S/I  
 G233 OR G234 X-Y G234 X-Y



SEE NOTES 2 & 4

SEE NOTE 3

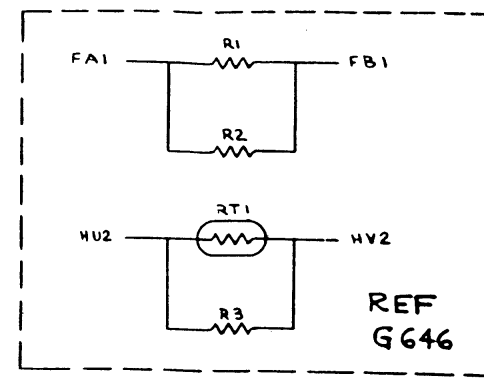


IC TYPE	QTY	REF. DESIG.	QTY	REF. DESIG.	QTY

QTY	REF. DESIG.	DESCRIPTION	QTY	REF. DESIG.
12		R12-COMM MATS (STRONG)		
1		STICKER WITH DEC. PART NO.		
18		STAMPERS, 4-40 x 1/4 x 1/8		
1		SUBSTRATE		
1		REIN. WELON FLKITE 4-40 W/...		
1		COVER PLATE		
18		SCREW, FLAT HEAD W/SH-SPR...		
4		WELON W/SH W/SH...		
2		INSULATED JUMPER		
23	E1-E23	IC DEC 2501 (SEE NOTE 3)		
		STACK BOARD		

REF. DESIG. MMB-EJ  
 EQUIPMENT CORPORATION  
**STACK SCHEMATIC**  
 8K X 12 BIT  
 B-DD-MMB-EJ  
 EICS H212-0-1

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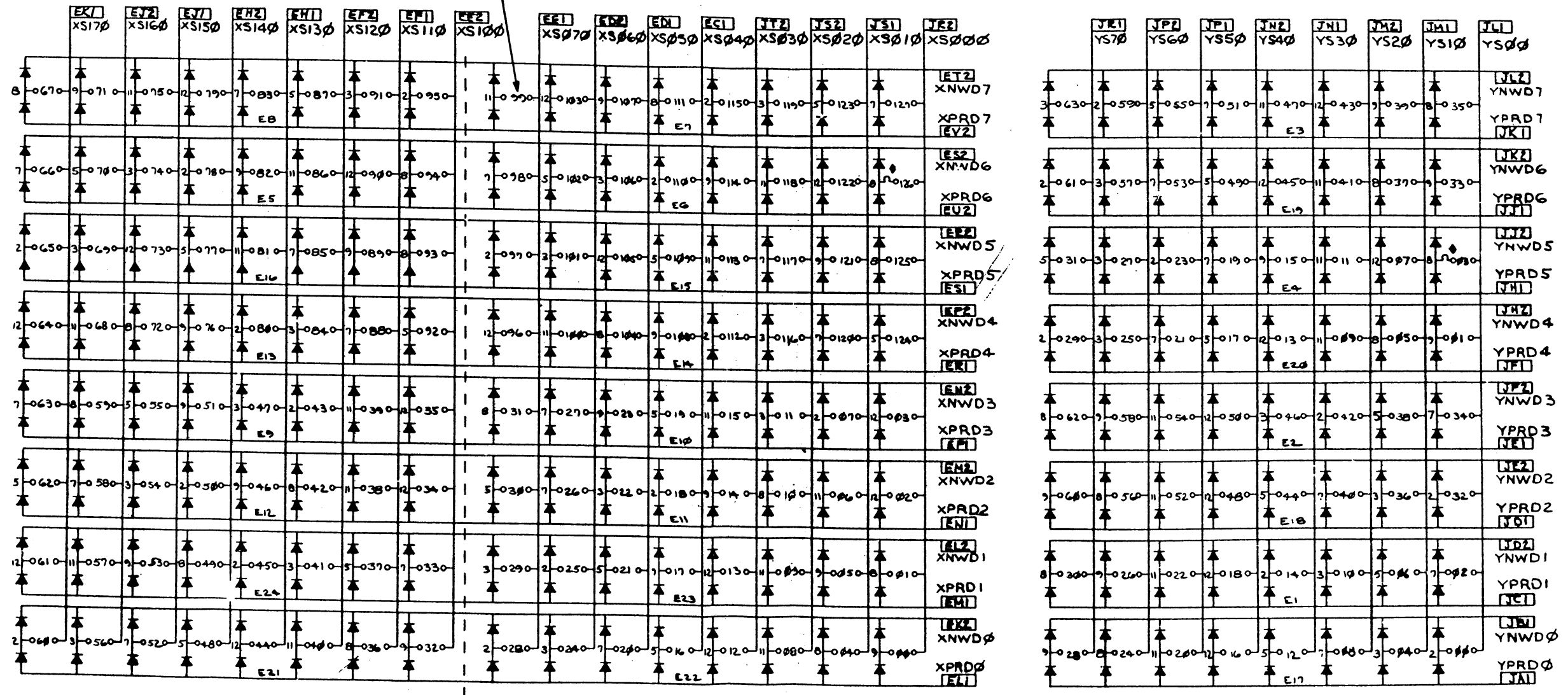


ETCH JUMPERS  
 JV2 - HB1  
 JU2 - HA1  
 EB1 - EV2  
 EA1 - EU2

- NOTES:  
 1. UNLESS OTHERWISE SPECIFIED:  
 IC'S E1-E24 ARE TO BE DEC STOCK # 2501.  
 2. INDICATES STACK LINE NUMBER. (TVP)  
 3. INDICATES CURRENT LOOP.  
 4. INDICATES MAGNET WIRE TERMINATION (SOLDERED TO PC PAD).  
 5. 2501-1 (DEC. PT. NO. 1910010-01)  
 MAY BE USED INTERCHANGEABLY WITH ITEM #2

SEE NOTE 4

- ES2 - OINH
- ET2 - OINH
- ET1 - OSB
- ET1 - OSA
- FN2 - OINH
- FP2 - OINH
- FP1 - OSB
- FP1 - OSA
- FL2 - OINH
- FM2 - OINH
- FM1 - OSB
- FL1 - OSA
- EP2 - OINH
- EK2 - OINH
- EK1 - OSB
- EK1 - OSA
- FF2 - OINH
- FK2 - OINH
- FK1 - OSB
- FK1 - OSA
- FC2 - OINH
- ED2 - OINH
- ED1 - OSB
- FC1 - OSA
- HS2 - OINH
- HT2 - OINH
- HT1 - OSB
- HS1 - OSA
- HN2 - OINH
- HP2 - OINH
- HP1 - OSB
- HN1 - OSA
- HL2 - OINH
- HM2 - OINH
- HM1 - OSB
- HL1 - OSA
- HY2 - OINH
- HK2 - OINH
- HK1 - OSB
- HY1 - OSA
- HF2 - OINH
- HM2 - OINH
- HM1 - OSB
- HF1 - OSA
- HC2 - OINH
- HD2 - OINH
- HD1 - OSB
- HC1 - OSA

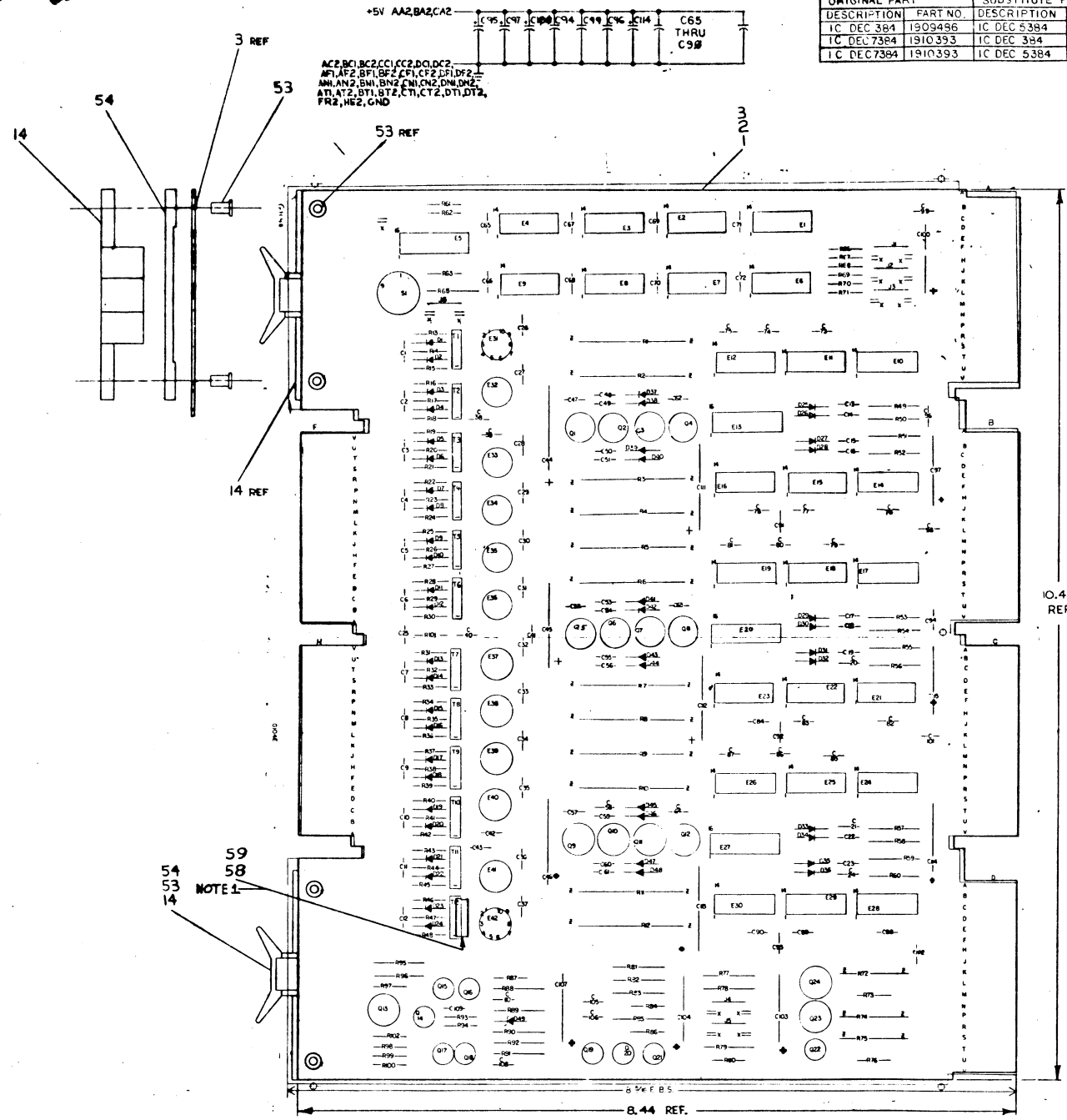


FIRST USED ON Q/TION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
MM8-EJ				
UNLESS OTHERWISE SPECIFIED TOLERANCES		DATE 12/1/71	PARTS LIST	
DECIMALS	ANGLES	DATE 3-25-72	EQUIPMENT CORPORATION	
1000 - .005	16° 30'	DATE 10/2/72	TITLE	
1000 - .01		DATE 10/2/72	STACK SCHEMATIC	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE 11/2/72	8K X 12BIT	
MATERIAL	NEXT MFG. OR ASBY.	DATE 11/2/72	REV. E	
	B-DD-MM8-EJ	DATE 11/2/72	D CS H212-01	
FROM	SCALE 1"	DATE 11/2/72	SHEET 2 OF 2	

COMPONENT SUBSTITUTION LIST				
ORIGINAL PART	SUBSTITUTE PART		ITEM NO.	
DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	
IC DEC 384	1909486	IC DEC 5384	1910394	50
IC DEC 7384	1910393	IC DEC 384	1909486	65
IC DEC 7384	1910393	IC DEC 5384	1910394	65



AC2,BC1,BC2,CC1,CC2,DC1,DC2,  
AF1,AF2,BF1,BF2,CF1,CF2,DF1,DF2,  
AH1,AH2,BH1,BH2,CH1,CH2,DH1,DH2,  
AT1,AT2,BT1,BT2,CT1,CT2,DT1,DT2,  
FR2,HE2,GND



- NOTES:
- CUT CATERPILLAR GROMMET (DEC 9007622) 7/8" LONG, ON ONE SIDE CUT TOOTH OUT 3/8" FROM ONE END, ON EACH END SPRAY WITH SCOTCH-Grip ADHESIVE NO. 77 (DEC 9008907) FOLLOW DIRECTIONS FOR NON-PERMANENT BONDS ON BACK OF CAN. PLACE THE GROMMET OVER 1725 TRANSFORMERS WITH CUTOUT TOOTH OVER CAPACITOR C40.
  - IN PLACE OF DEC 6380 (ITEM #49), DEC 380 (1909485) MAY BE USED.
  - R65 IS DETERMINED BY THE VOLTAGE AT PIN HA1 WITH RESPECT TO +5V.
  - ALLOWABLE MEMORY SYSTEM CONFIGURATIONS:  
MMB-EJ  
H212 OR H212A STACK  
G111 OR G115 S/I  
G233 OR G234 X-Y

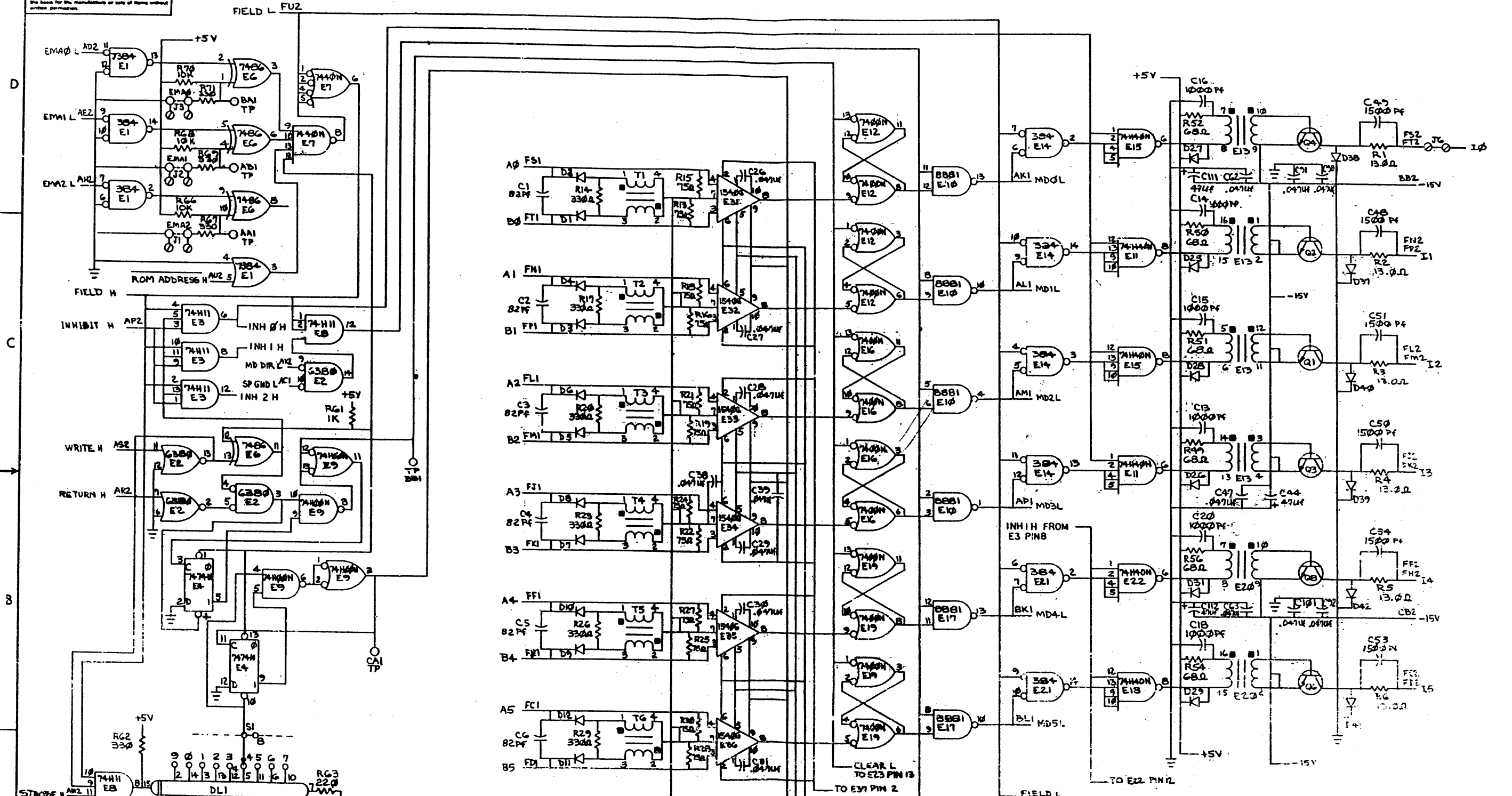
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	R91	RES. 125, 1/4W, 1%	1302356	65
1	E1	IC DEC 7394	1910393	65
A/2	R65	BLK & WHT #30 TWP	9107720-09	64
1	R102	RES. 10, 1/4W, 10%	1300170	62
13		SPLIT LUGS	9006735	61
1	R81	RES. 274, 1/8W, 1% 100 MFP	1304866	60
W/E		SCOTCH GRIP ADHESIVE	9008907	59
A/4		CATERPILLAR GROMMET	9007622	58
REF		ASSY DRILLING HOLE LAYOUT	AH-G111-0-57	57
2	R50, R101	RES. 100, 1/8W, 1% 100 MFP	1302858	56
W/R		WIRE #22 AWG SOLID BUS	9107560-01	55
2		SPACER (CABLE CLAMP)	120704	54
4		EYELET #654-111 E.B. STIMPSON	9006750	53
1	E6	IC DEC 7486	1910011	52
3	E10, E17, E24	IC DEC 8881	1909706	51
3	E14, E21, E28	IC DEC 384	1909486	50
1	E2	IC DEC 6280	1909477	49
2	E3, E8	IC DEC 744H	1909267	48
1	E9	IC DEC 74400N	1909056	47
6	E11, E15, E18, E22, E25, E29	IC DEC 74440N	1905586	46
1	E7	IC DEC 7440N	1905579	45
6	E12, E16, E19, E23, E26, E30	IC DEC 7400N	1905575	44
1	E4	IC DEC 7474N	1905547	43
12	E31-E42	IC MC 1540G	1905521	42
1	D11	ICONS DELAY LINE	1610033-0	41
3	E13, E20, E27	PULSE TRANSFORMER	1609996	40
12	T1-T12	TRANSFORMER 17#-5	1609478	39
2	Q1-Q12	TRANSISTOR DEC 3734	1500062	38
6	Q23-Q24	TRANSISTOR DEC 3762	1506446	37
9	Q14-Q22	TRANSISTOR DEC 6334-B	1503409-01	36
1	Q13	TRANSISTOR DEC 2219-S	1501881	35
12	R1-R12	RES. 130K, 6W, 1%	130032-01	34
12	R13-R26	RES. 68, 1/2W, 5% CC	1309405	33
1	R89	RES. 68K, 1/8W, 1%	1305225	32
1	R88	RES. 5.62K, 1/8W, 1%	1305128	31
2	R74, R95	RES. 4.64K, 1/8W, 1%	1304856	29
1	R77	RES. 1.02K, 1/8W, 1%	1304855	28
2	R92, R85	RES. 1.96K, 1/8W, 1%	1304833	27
3	R82, R83, R96	RES. 1K, 1/8W, 1%	1303114	26
1	R78	RES. 1.21K, 1/8W, 1%	1302871	25
24	R13, R15, R16, R18, R19, R21, R22, R24, R25, R27, R28, R30, R31, R33, R34, R36, R37, R39, R40, R42, R43, R45, R46, R48	RES. 75, 1/8W, 1%	1303064	24
1	R86	RES. 680, 1/4W, 5% CC	1301424	23
6	R66, R68, R70, R80, R94, R99	RES. 10K, 1/4W, 5% CC	1300479	22
3	R73, R76, R97	RES. 4.7K, 1/4W, 5% CC	1300447	21
2	R61, R87	RES. 1K, 1/4W, 5% CC	1300365	20
19	R14, R17, R20, R23, R26, R29, R32, R35, R38, R41, R44, R47, R62, R67, R69, R71, R84, R93, R98	RES. 330, 1/4W, 5% CC	1300295	19
1	R63	RES. 220, 1/4W, 5% CC	1300271	18
1	R100	RES. 100, 1/4W, 5% CC	1300229	17
3	R72, R74, R75	RES. 68, 1/4W, 10% CC	1300222	16
1	S1	ROTARY SWITCH	1200043-0	15
1	D4	HANDLE FLIP CHIP - GREEN	9008337-01	14
1	D44	DIODE .4M 6.8A21	1109991-1	13
36	D1-D24, D37-D48	DIODE D672	1105275	12
12	D25-D36	DIODE D664	1100114	11
32	C62-C64, C91-C93, C98, C101, C102, C110	CAP. .047 UF 16V 20% DISC	1009678	10
33	C88, C65-C90, C94, C96, C104, C107, C114	CAP. .01 UF 100V 20% DISC	1001640	9
6	C44-C46, C111-C113	CAP. 47 UF 20V 20% S. TANT	1000079	8
7	C95, C97, C100, C103, C104, C107, C114	CAP. 6.8 UF 35V 20% S. TANT	1000067	7
12	C48-C51, C53-C56, C58-C61	CAP. 1500 PF 200V 10% DISC	1000054	6
12	C13-C24	CAP. 1000PF 100V 5% MICA	1000042	5
12	C1-C12	CAP. 100V 5% D. MICA	1000045	4
1	REF	ETCHED CIRCUIT BOARD	5002344	3
1	REF	MODULE ECO HISTORY	B-MH-G111-0-6	2
1	REF	X-Y COORDINATE HOLE LOCATION	X-CO-G111-0-4	1

REV	DATE	BY	CHKD	DESCRIPTION
55	22	JG-A	J6-B	
		J5-A	J5-B	
		J4-A	J4-B	
		J3-A	J3-B	
		J2-A	J2-B	
		J1-A	J1-B	

REV	DATE	BY	CHKD	DESCRIPTION
DEC 3734		SAME		
DEC 3762		SAME		
DEC 6534-B		MPS4534		
DEC 2219-S		2N 2219		
4M 6.8A21		IN4099		
D672		IN3653		
D664		IN3006		
DEC NO		EIA NO		

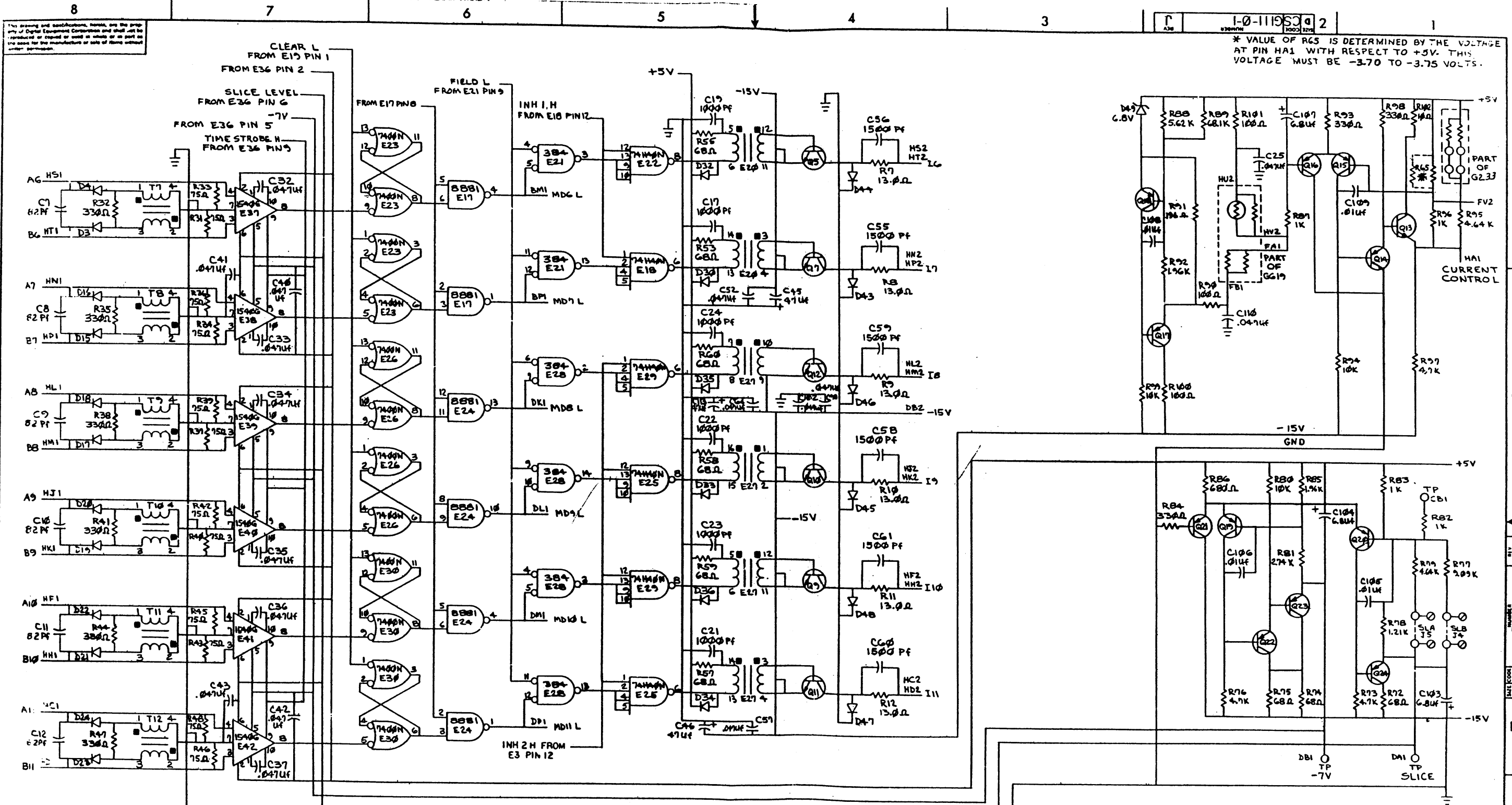
REV	DATE	BY	CHKD	DESCRIPTION
DEC 3734		SAME		
DEC 3762		SAME		
DEC 6534-B		MPS4534		
DEC 2219-S		2N 2219		
4M 6.8A21		IN4099		
D672		IN3653		
D664		IN3006		
DEC NO		EIA NO		

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REVISIONS  
NO. DATE  
1 11/15/72  
2 12/17/72  
3 1/17/73  
4 2/17/73

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.	
MM8-E					
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN CHKD. ENG. PROJ. ENG. PROD.	DATE DATE DATE DATE DATE	EQUIPMENT CORPORATION	
DECIMALS	ANGLES	TITLE			4K OR 8K SENSE INHIBIT BOARD
.XXX - .008 .XX - .02 .X - .1	±0° 30'	DATE DATE DATE			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHEST ASSY.			
MATERIAL		A-PL- MM3-E-0	SIZE CODE	NUMBER	REV
FINISH		SHEET - 2 OF 3	SCALE	DIST	J



1-0-1119SC 2  
 \* VALUE OF R65 IS DETERMINED BY THE VOLTAGE AT PIN HA1 WITH RESPECT TO +5V. THIS VOLTAGE MUST BE -3.70 TO -3.75 VOLTS.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN CHKD	DATE 3/19/72	<b>digital</b> CORPORATION	
DECIMALS	ANGLES	DATE 3-27-72		
JCK - .005 JK - .02 K - .1	20° 30'	DATE 3/25/72	TITLE <b>4K OR 8K SENSE INHIBIT BOARD</b>	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROJ. ENG. W. Center	DATE 3/27/72		
MATERIAL	NEXT HIGHER ASSY.	DATE 3-31-72	SIZE CODE DCS G111-0-1	
FINISH	SCALE	DATE		
SHEET 3 OF 3		REV J		

REV	CHG	NO