

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

SEQUENCE	MM8-1 PRINT SET
	BLOCK DIAGRAM E-BD-MM8-E-1
	4K XY DRIVER E-CS-G227-0-1
	STACK BOARD E-CS-G619-0-1
	SENSE INHIBIT (4K) E-CS-G104-0-1
	MEMORY ASSY (4K) D-UA-MM8-E-0
	MEMORY ASSY (PL) A-PL-MM8-E-0
	STACK 4K 12 BIT D-UA-H220-0-0
	ACCESSORY LIST A-AL-MM8-E-3
	MM8-E ACCEPTANCE PROCEDURE A-SP-7665139-0-0

SEQUENCE	MM8-2 PRINT SET
	BLOCK DIAGRAM E-BD-MM8-EJ-5
	8K XY DRIVER E-CS-G233-0-1
	8K SENSE INHIBIT E-CS-G111-0-1
	8K STACK SCHEMATIC E-CS-H212-0-1
	MEMORY (8K) D-UA-MM8-EJ-0
	ACCESSORY LIST A-AL-MM8-E-3
	12 BIT STACK BOARD D-CS-G646-0-1
	MM8-EJ & MM8-EH ACCEPTANCE PROCEDURE (F.S.) A-SP-MM8-EJ-1
	8K OR 4K SENSE INHIBIT E-CS-G115-0-1
	8K OR 4K X-Y DRIVER E-CS-G234-0-1
	ENGINEERING SPECIFICATION A-SP-MM8-EJ-4

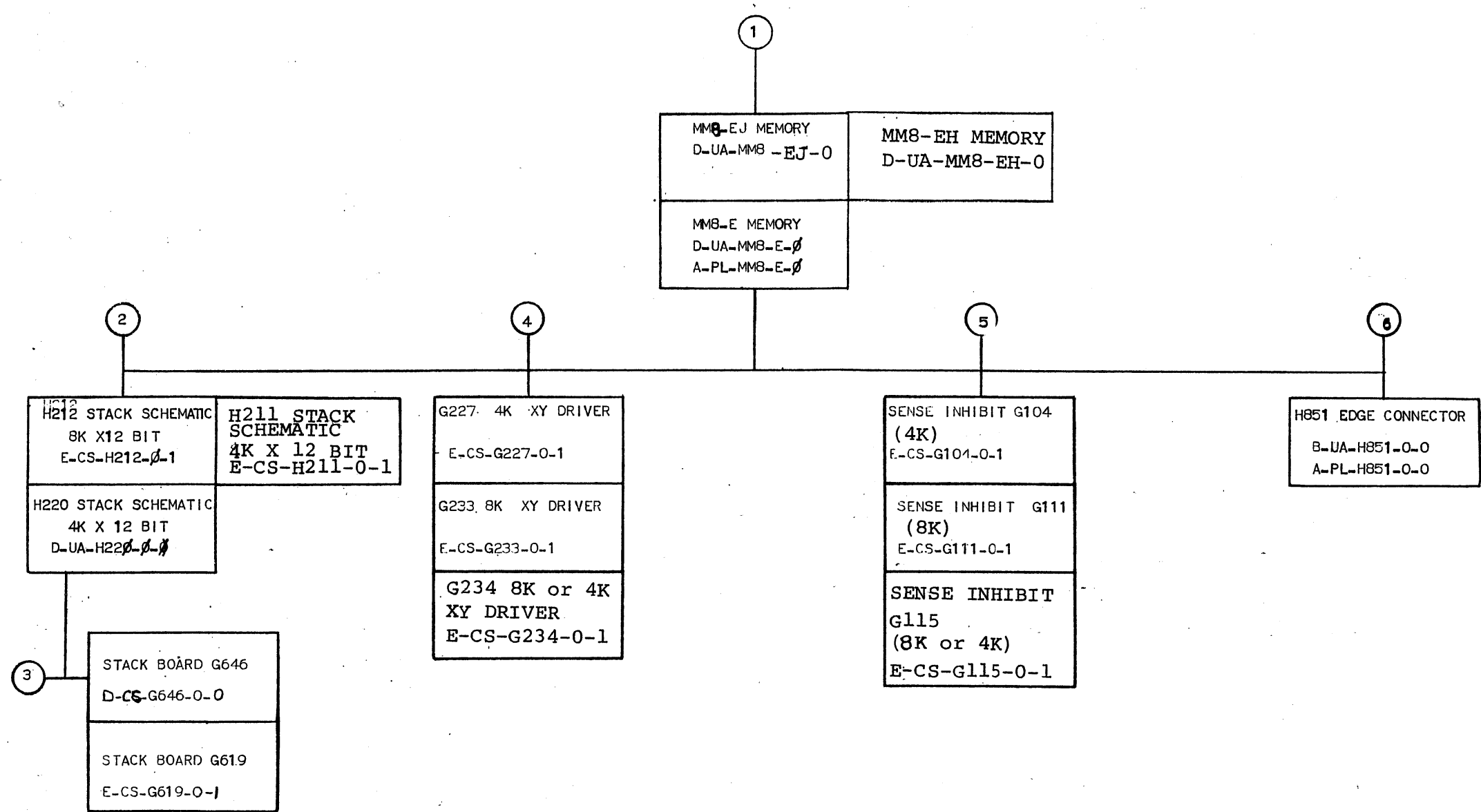
SEQUENCE	MM8-3 PRINT SET
	BLOCK DIAGRAM E-BD-MM8-EJ-5
	ACCESSORY LIST A-AL-MM8-E-3
	12 BIT STACK BOARD D-CS-G646-0-1
	MM8-EJ & MM8-EH ACCEPTANCE PROCEDURE (F.S.) A-SP-MM8-EJ-1
	4K 12 BIT MEMORY D-UA-MM8-EH-0
	4K STACK SCHEMATIC E-CS-H211-0-1
	8K OR 4K SENSE INHIBIT E-CS-G115-0-1
	8K OR 4K X-Y DRIVER E-CS-G234-0-1
	ENGINEERING SPECIFICATION A-SP-MM8-EJ-4

MFG SET	
MANUFACTURING PROC.	A-SP-MM8-E-2
MM8-EJ & MM8-EH MANUFACTURING PROCEDURE (ON LINE)	A-SP-MM8-EJ-2
MM8-EJ & MM8-EH TEST PROCEDURE (OFF LINE)	A-SP-MM8-EJ-3
PURCHASE SPEC.	A-PS-3010654-0-0
PURCHASE SPEC.	A-PS-8009834-0-0

VAR	TITLE	PRINT SET		
		MM8-1	MM8-2	MM8-3
MM8-E	4K 12 BIT MEMORY	X		
MM8-EJ	8K 12 BIT MEMORY		X	
MM8-EH	4K 12 BIT MEMORY			X

REVISIONS	REV	A	B	USED ON OPTION/MODEL	DRM.	F. CARBERRY	DATE	2-17-72	TITLE	MEMORY DRAWING DIRECTORY					
	CHG. NO.	MM8EJ-1	MM8E-5		CHK'D.	J. KALAGHER	DATE	6-6-72							
	DATE	WJC	L.G.		PROJ ENG.	W. COATES	DATE	6-21-72							
					PROD.	W. COATES	DATE	6-21-72							
				FIELD SERV.	W. COATES	DATE	6-21-72	SIZE	B	CODE	DD	NUMBER	MM8-E	REV	B
				SHEET	1	OF	3	DIST	G						

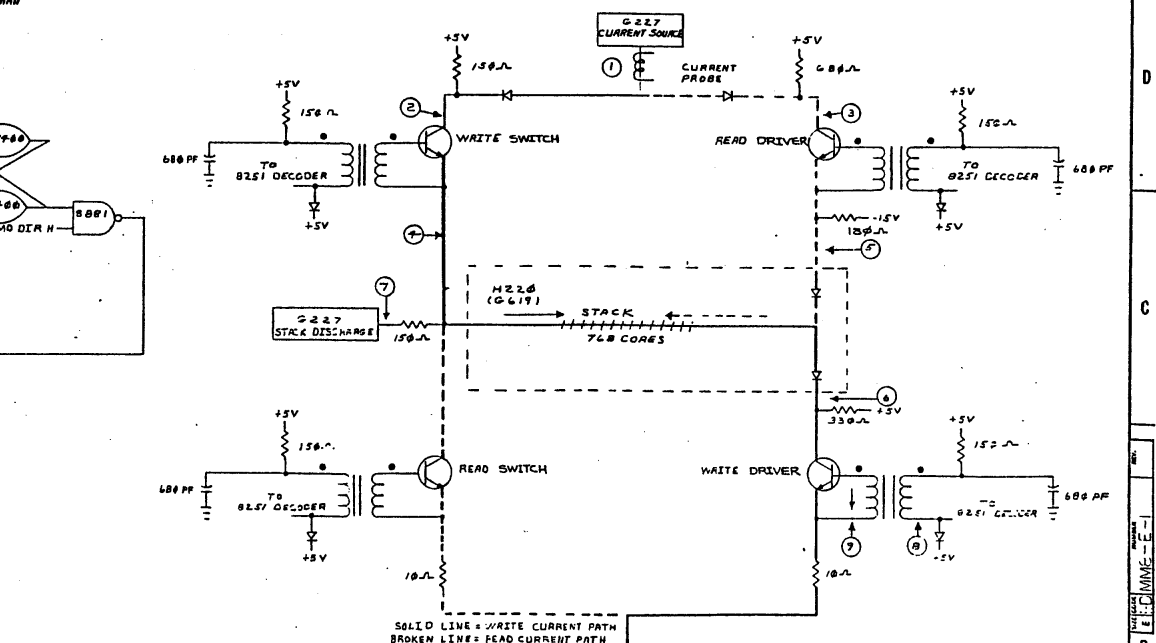
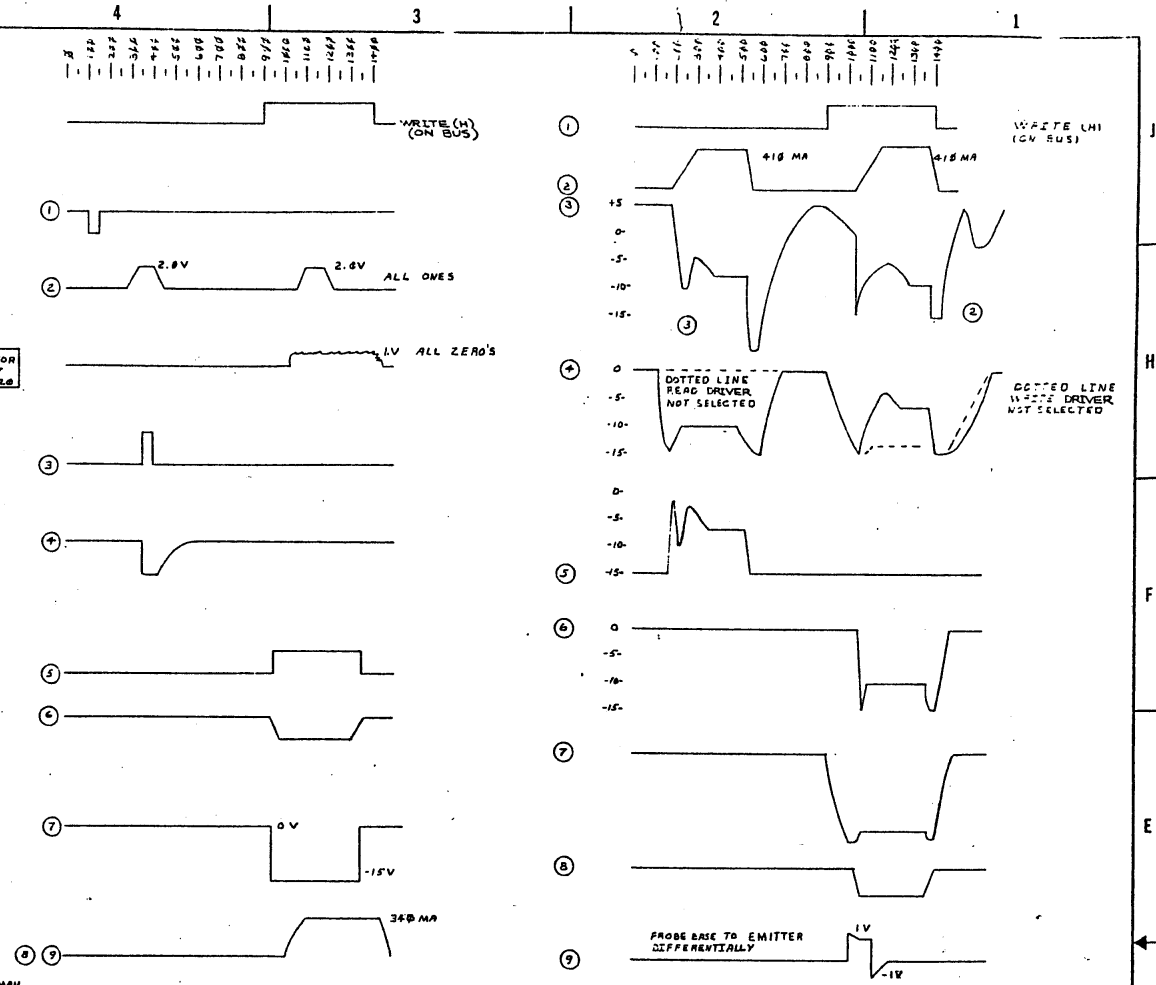
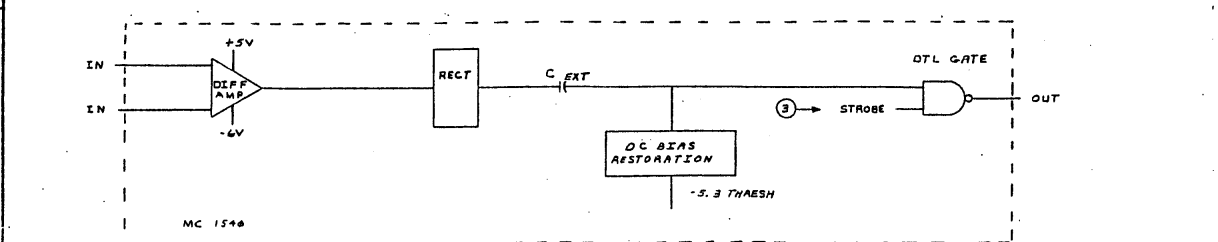
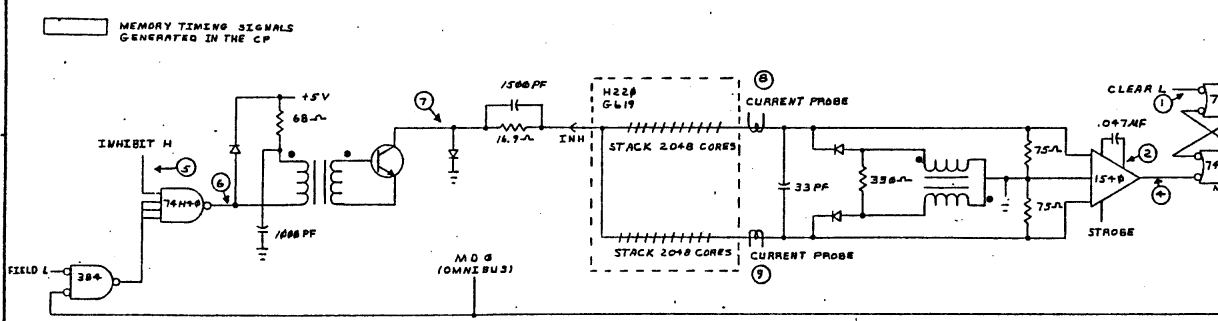
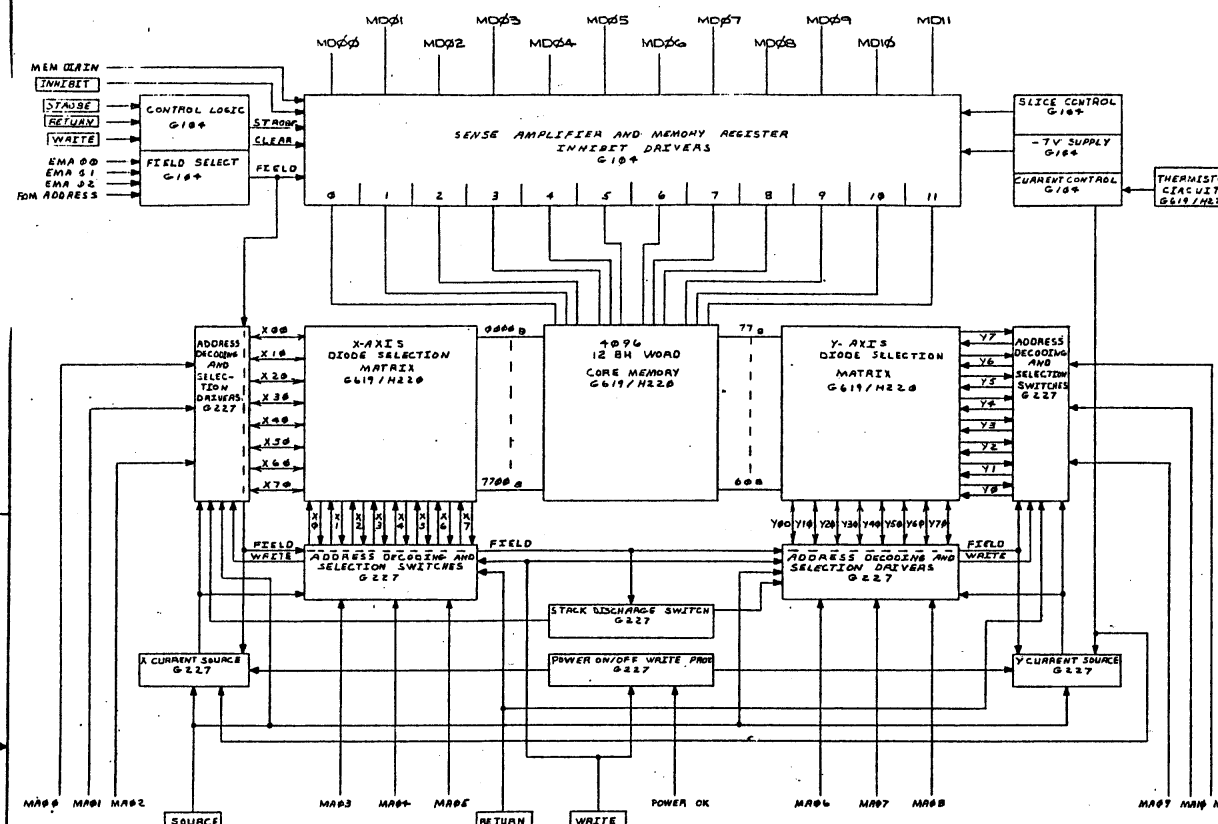
DEC 16 1972



TITLE	SHEET	SIZE	CODE	NUMBER	REV
MEMORY	2 OF 3	B	DD	MM8-E	B

CUSTOMER PRINT SET				ELECTRICAL					CUSTOMER PRINT SET				MECHANICAL						
MM8-1	MM8-2	MM8-3	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	MM8-1	MM8-2	MM8-3	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
X				1	E-BD-MM8-E-1		1	BLOCK DIAGRAM TIMING		X				1	D-UA-MM8-E-0		1	4K 12 BIT MEMORY	
			X		A-SP-MM8-EJ-3	A	21	MM8-EJ&MM8-EH TEST PROCEDURE (OFFLINE)		X					A-PL-MM8-E-0		1	4K 12 BIT MEMORY (PL)	
	X	X			E-BD-MM8-EJ-5	A	1	BLOCK DIAGRAM TIMING			X				D-UA-MM8-EJ-0	B	1	8K 12 BIT MEMORY	
										X	X				D-UA-MM8-EH-0		1	4K 12 BIT MEMORY	
													X		A-SP-7665139-0-0	#	4	ACCEPTANCE PROC	
											X	X			A-SP-MM8-E-2			MANUFACTURING PROC.	
													X		A-SP-MM8-EJ-1	A	5	MM8-EJ&MM8-EH ACCEPTANCE PROCEDURE	
													X		A-SP-MM8-EJ-2	A	4	MM8-EJ&MM8-EH MANUFACTURING PROC.(F.S.)	
X				2	E-CS-H212-0-1	#	2	STACK SCHEMATIC 8K X 12 BIT		X	X	X			A-AL-MM8-E-3	A	1	ACCESSORY SHIPPING LIST	
	X				E-CS-H211-0-1	#	2	STACK SCHEMATIC 4K X 12 BIT			X	X			A-SP-MM8-EJ-4			ENGINEERING SPECIFICATION	
X				3	E-CS-G619-0-1	#	2	PLANAR STACK SCHEMATIC		X				2	B-0D-H212-0		2	STACK 8K 12 BIT	
	X	X			D-CS-G646-0-1	#	1	12 BIT STACK BOARD							D-UA-H220-0-0	#	2	STACK 4K 12 BIT	
X				4	E-CS-G227-0-1	#	2	4K XY DRIVER BOARD					X	3	A-PS-3010654-0-0	#		PURCHASE SPEC	
	X				E-CS-G233-0-1	#	5	8K XY DRIVER BOARD					X		A-PS-3009834-0-0	#		PURCHASE SPEC	
	X	X			E-CS-G234-0-1	#	5	4K or 8K DRIVER BOARD							C-MD-5509025-0-0		1	COVER PLATE	
X				5	E-CS-G104-0-1	#	2	SENSE INHIBIT						6	B-UA-H851-0-0			EDGE CONNECTOR	
	X				E-CS-G111-0-1	#	3	8K SENSE INHIBIT BOARD							A-PL-H851-0-0			EDGE CONNECTOR PL	
	X	X			E-CS-G115-0-1	#	3	4K or 8K SENSE INHIBIT BOARD							B-MD-5509071-1-0			RECEP 36 PIN REWORK	
															D-1A-5008903-0-0			ETCH BOARD	

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REV.	CHANGE NO.	DESCRIPTION	DATE	BY	CHKD.	DATE	BY	CHKD.
1								

REV.	CHANGE NO.	DESCRIPTION	DATE	BY	CHKD.	DATE	BY	CHKD.
1								

REV.	CHANGE NO.	DESCRIPTION	DATE	BY	CHKD.	DATE	BY	CHKD.
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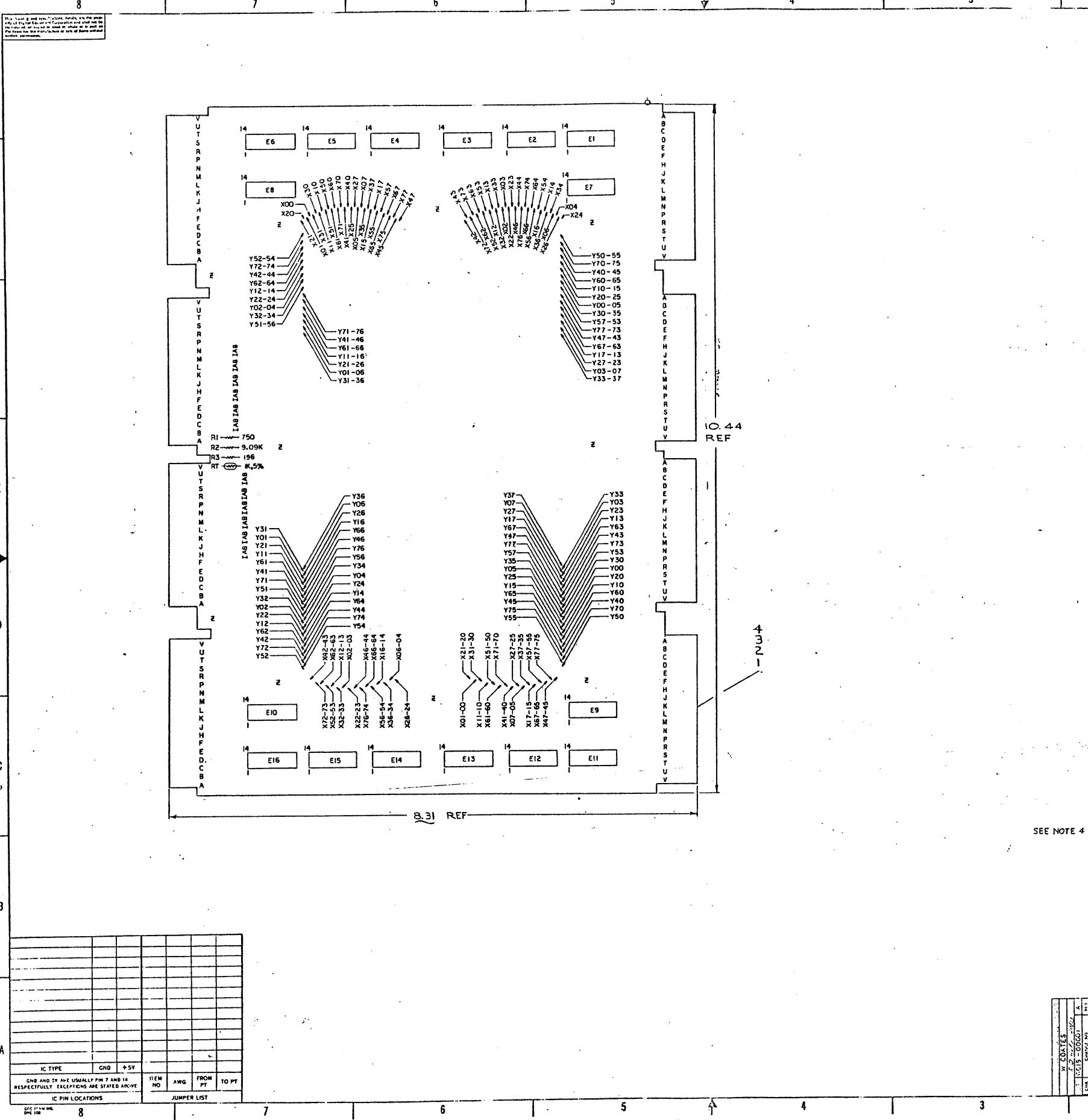
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REV.	CHANGE NO.	DESCRIPTION	DATE	BY	CHKD.	DATE	BY	CHKD.
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REV.	CHANGE NO.	DESCRIPTION	DATE	BY	CHKD.	DATE	BY	CHKD.
1								

REVISIONS

REV. CHANGE NO. DESCRIPTION DATE BY CHKD. DATE BY CHKD.



- NOTES:
- UNLESS OTHERWISE INDICATED:
 GND=AC2, AF1, AF2, AN1, AN2, AT1, AT2, BC1, BC2
 BF1, BF2, BN1, BN2, BT1, BT2, CC1, CC2, CF1, CF2
 CN1, CN2, CT1, CT2, DC1, DC2, DF1, DF2, DN1, DN2
 DT1, DT2
 - DIODE ARRAYS WILL BE MOUNTED BY STACK
 VENDOR. DIODE ARRAYS ARE DEC 2501
 - THERMISTOR (RT) 1.0K, 1% AT 25°C
 - 2501-01 MAY BE USED INTERCHANGEABLY WITH
 ITEM 9.

SEE NOTE 4

QTY.	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM
1	RT	RES 1K THERMISTOR 1%	1310071	8
1	R2	RES 9.09 1/8W 1% MF	1304885	7
1	R3	RES 100 1/8W 1% MF	1302450	6
1	R1	RES 750 1/8W 1% MF	1302455	5
		ETCHED CIRCUIT BOARD	50090374	2
		MODULE HISTORY LIST	3MH 6619-0-1	3
		1/32" DRILLING HOLE LAYOUT	6619-0-1	2
		1/16" COORDINATE HOLE LOC	6619-0-1	1

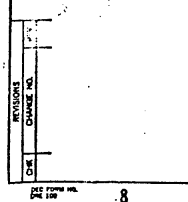
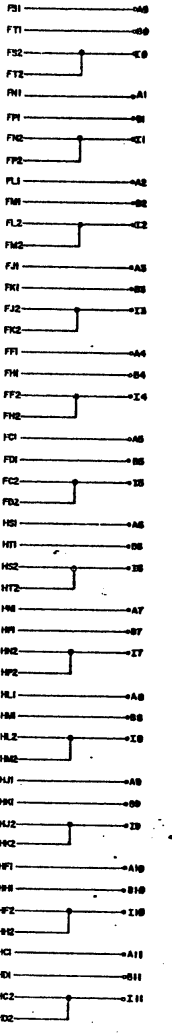
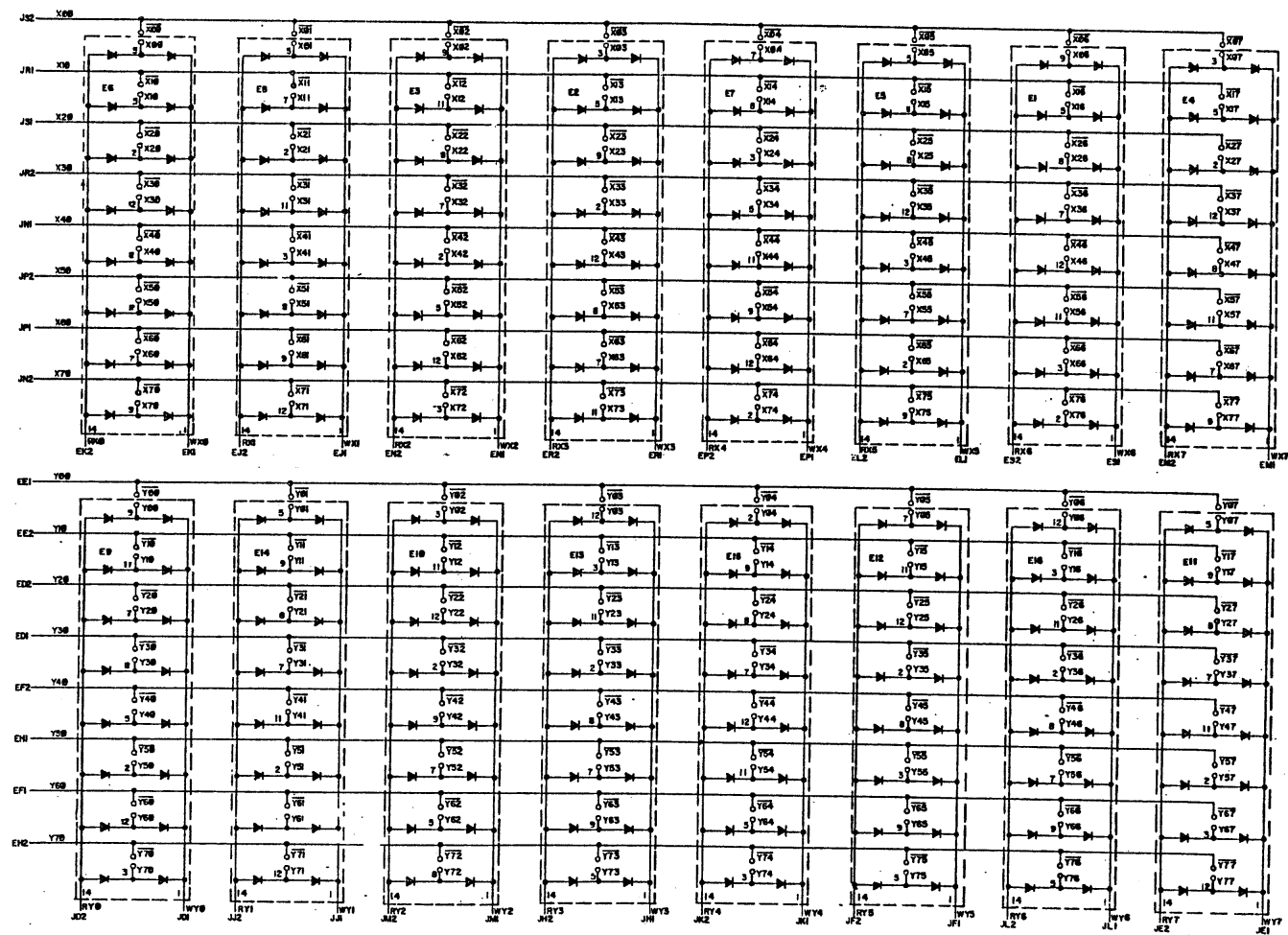
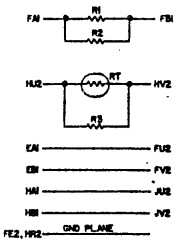
REV COLUMN		PARTS LIST	
PRINTED CIRCUIT BOARD REVISION			
CIRCUIT SCH REVISION			
DRN	DATE		
CHKD	DATE		
APP	DATE		
DESIGNED BY	DATE		
DATE			

DEC NO.	EIA NO.	TITLE	NUMBER	REV
13-11A-11220-0-0		PLANAR STACK BOARD G619	6619-0-1	A

IC TYPE	GND	+5V	ITEM NO	AWG	FROM PT	TO PT

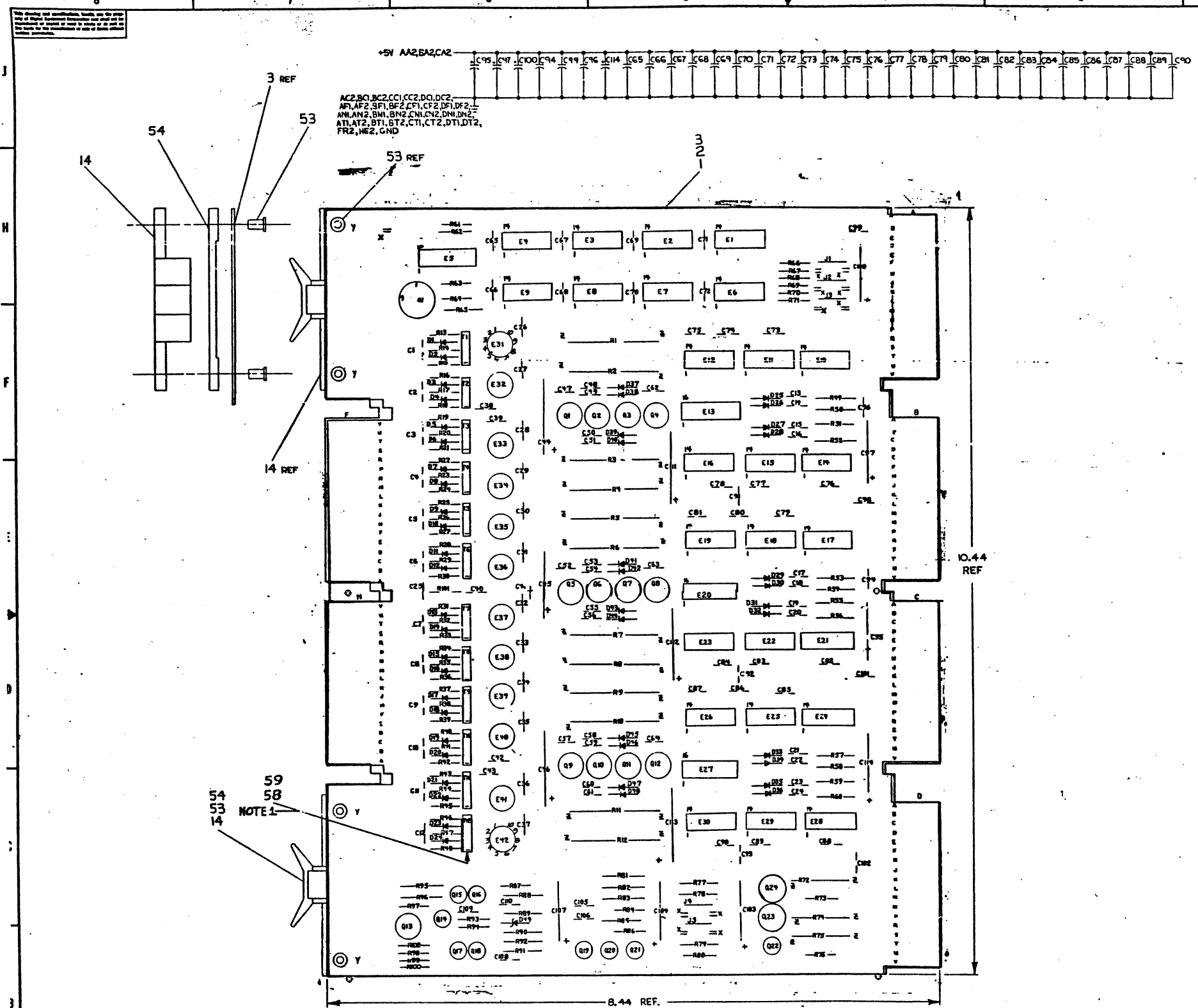
IC PIN LOCATIONS		JUMPER LIST	

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QTY.	DESCRIPTION	PARTS LIST	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED				
DRAWN: JEANNE FREMONT		DATE: 7/3/70	EQUIPMENT CORPORATION	
CHECKED: R. VOGELSSANG		DATE: 7/23/70	TITLE: PLANAR STACK BOARD	
DESIGNED: R. VOGELSSANG		DATE: 7/23/70	SCALE: 1:1	
MATERIAL: ALUMINUM		DATE: 7/23/70	SHEET: 2 OF 2	
FINISH: 100% ANODIZED		DATE: 7/23/70	NUMBER: 6619-0-1	
REV: A		DIST: 12		

6619-0-1



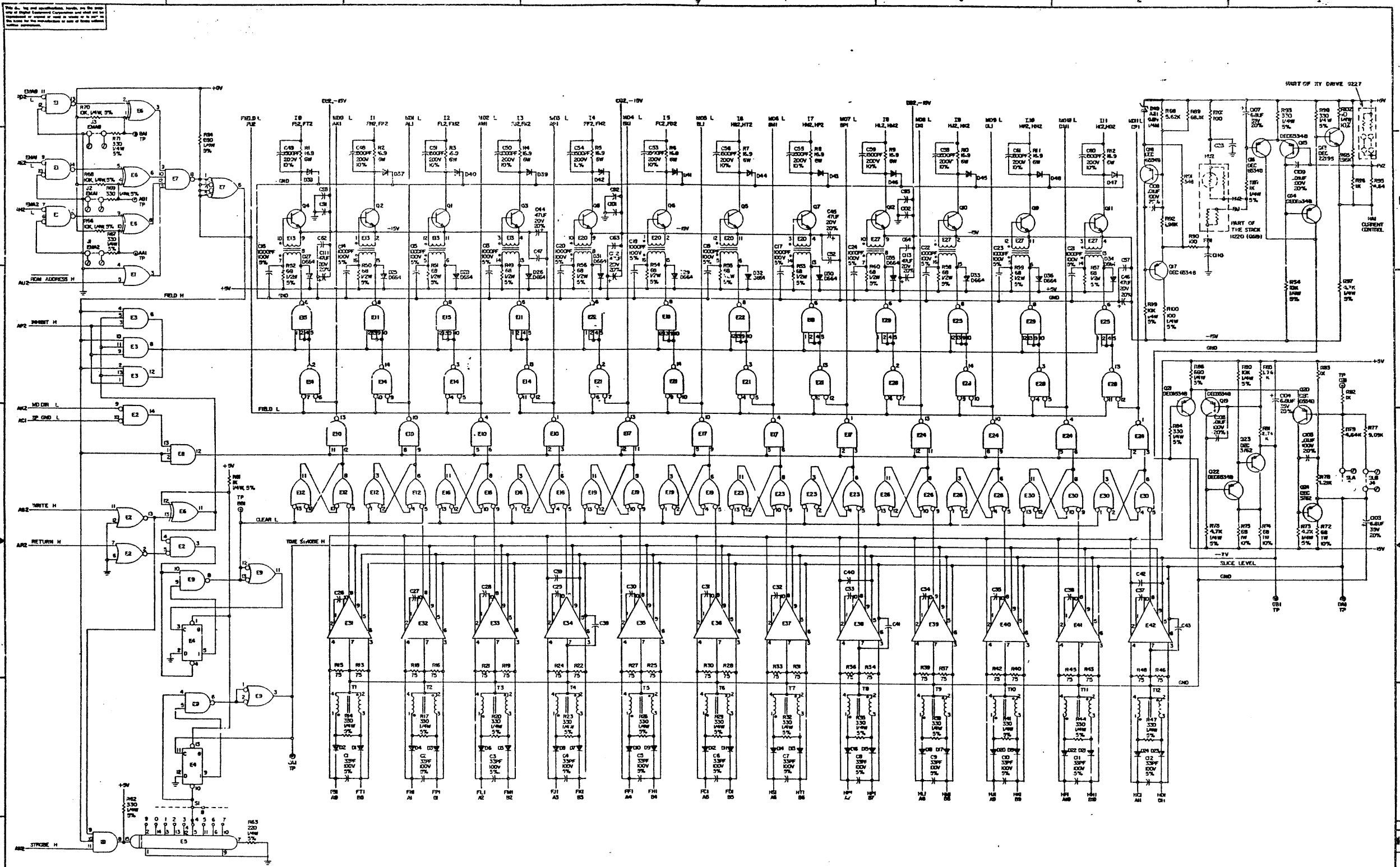
NOTES:
 1. CUT CATERPILLER GROMMET (DEC 9007622) 7/8" LONG. ON ONE SIDE CUT TOOTH OUT 3/8" FROM ONE END. ON EACH END SPRAY WITH SCOTCH-GRIP ADHESIVE NO 77 (DEC 9008907). FOLLOW DIRECTIONS FOR NON-PERMANENT BONDS ON BACK OF CAN. PLACE THE GROMMET OVER I22 TRANSFORMERS WITH CUT OUT TOOTH OVER CAPACITOR C40.

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM
1	R102	RES. 10, 1/4W, 10%	1300170	62
11		SPLIT LUGS	9006735	61
1	R81	RES. 2.7K, 1/8W, 1% 100 MFP	1304868	40
1		SCOTCH GRIP ADHESIVE	9008907	59
1		CATERPILLER GROMMET	9007622	58
1		ASSY DRILLING HOLE LAYOUT	1-AH-G104-G-4	57
2	R90, R101	RES. 100, 1/4W, 1% 100 MFP	1302358	56
1		WIRE #22 AWG SOLID BUS	9107560-01	55
2		SPACER (CABLE CLAMP)	1203704	54
4		EYELET #634-11 E.B. STIMPSON	9006750	53
1	E6	I.C. DEC 7486	1910011	52
3	E10, E17, E24	I.C. DEC 8861	1909705	51
4	E1, E4, E21, E28	I.C. DEC 384	1909486	50
1	E2	I.C. DEC 6380	1909477	49
2	E3, E5	I.C. DEC 74H	1909267	48
1	E9	I.C. DEC 74H00N	1909056	47
6	E11, E15, E18, E22, E25, E29	I.C. DEC 74H40N	1905586	46
1	E7	I.C. DEC 7440N	1905579	45
6	E12, E16, E19, E23, E26, E30	I.C. DEC 7400N	1905575	44
1	E4	I.C. DEC 7474N	1905547	43
12	E31-E42	I.C. MC 1540G	1905521	42
1	E5	100NS DELAY LINE	1610033-C	41
3	E13, E20, E27	PULSE TRANSFORMER	1609996	40
12	T1-T12	TRANSFORMER 17E-5	1609478	39
12	Q1-Q12	TRANSISTOR DEC 3734	150062	38
2	Q23, Q24	TRANSISTOR DEC 3762	1509649	37
4	Q14-Q22	TRANSISTOR DEC 6534-B	1503409-01	36
1	Q13	TRANSISTOR DEC 2219-S	1508881	35
12	R1-R12	RES. 6.8K, 1/4W, 1%	1309679	34
12	R14-R16	RES. 6.8K, 1/4W, 5% CC	1309405	33
1	R89	RES. 68.1K, 1/8W, 1% 100 MFP	1305252	32
1	R88	RES. 5.62K, 1/8W, 1% 100 MFP	1305128	31
1	R91	RES. 348, 1/8W, 1% 100 MFP	1304858	30
2	R79, R95	RES. 464K, 1/8W, 1% 100 MFP	1304856	29
1	R77	RES. 9.09K, 1/8W, 1% 100 MFP	1304855	28
3	R65, R92, R85	RES. 1.96K, 1/8W, 1% 100 MFP	1304833	27
3	R82, R83, R96	RES. 1K, 1/8W, 1% 100 MFP	1303114	26
1	R78	RES. 1.21K, 1/8W, 1% 100 MFP	1302871	25
24	R13, R15, R16, R18, R19, R21, R22, R24, R25, R27, R28, R30, R31, R33, R34, R36, F.37, R39, R40, R42, R43, R45, R46, R48	RES. 75, 1/8W, 1%	1303064	24
2	R64, 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	R41, 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	1210043-0	15
2		HANDLE FLIP CHIP - GREEN	1000337-01	14
1	D49	DIODE 1N4148	1109911	13
36	D1-D24, D37-D48	DIODE D672	1105275	12
12	D25-D36	DIODE D664	1100114	11
32	C25-C43, C47, C52, C57, C62-C64, C91-C93, C98, C101, C102, C110	CAP. 0.047MFD 16V 20% DISC	1009678	10
33	C94, C105, C106, C108, C109	CAP. 0.1MFD 100V 20% DISC	1001610	9
6	C44-C46, C111-C113	CAP. 47MFD 20V 20% S. TANT	1000079	8
7	C45, C47, C100, C103	CAP. 6.8MFD 35V 20% S. TANT	1000067	7
12	C48-C51, C53-C56, C58-C61	CAP. 1500PF 200V 10% DISC	1000054	6
12	C13-C24	CAP. 1000PF 100V 5% D. MICA	1000042	5
12	C1-C12	CAP. 33PF 100V 5% D. MICA	1000009	4
1		ETCHED CIRCUIT BOARD	5008847	3
REF		MODULE ECO HISTORY	B-MH-G104-G-6	2
REF		X-Y COORDINATE HOLE LOCATION	K-CO-G104-G-4	1

QTY	REF	DESCRIPTION	PART NO.	ITEM
55	E2	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
1	11/11	B. TAPLEY		...
2	11/11	B. TAPLEY		...
3	11/11	B. TAPLEY		...
4	11/11	B. TAPLEY		...
5	11/11	B. TAPLEY		...
6	11/11	B. TAPLEY		...
7	11/11	B. TAPLEY		...
8	11/11	B. TAPLEY		...
9	11/11	B. TAPLEY		...
10	11/11	B. TAPLEY		...
11	11/11	B. TAPLEY		...
12	11/11	B. TAPLEY		...
13	11/11	B. TAPLEY		...
14	11/11	B. TAPLEY		...
15	11/11	B. TAPLEY		...
16	11/11	B. TAPLEY		...
17	11/11	B. TAPLEY		...
18	11/11	B. TAPLEY		...
19	11/11	B. TAPLEY		...
20	11/11	B. TAPLEY		...
21	11/11	B. TAPLEY		...
22	11/11	B. TAPLEY		...
23	11/11	B. TAPLEY		...
24	11/11	B. TAPLEY		...
25	11/11	B. TAPLEY		...
26	11/11	B. TAPLEY		...
27	11/11	B. TAPLEY		...
28	11/11	B. TAPLEY		...
29	11/11	B. TAPLEY		...
30	11/11	B. TAPLEY		...
31	11/11	B. TAPLEY		...
32	11/11	B. TAPLEY		...
33	11/11	B. TAPLEY		...
34	11/11	B. TAPLEY		...
35	11/11	B. TAPLEY		...
36	11/11	B. TAPLEY		...
37	11/11	B. TAPLEY		...
38	11/11	B. TAPLEY		...
39	11/11	B. TAPLEY		...
40	11/11	B. TAPLEY		...
41	11/11	B. TAPLEY		...
42	11/11	B. TAPLEY		...
43	11/11	B. TAPLEY		...
44	11/11	B. TAPLEY		...
45	11/11	B. TAPLEY		...
46	11/11	B. TAPLEY		...
47	11/11	B. TAPLEY		...
48	11/11	B. TAPLEY		...
49	11/11	B. TAPLEY		...
50	11/11	B. TAPLEY		...
51	11/11	B. TAPLEY		...
52	11/11	B. TAPLEY		...
53	11/11	B. TAPLEY		...
54	11/11	B. TAPLEY		...
55	11/11	B. TAPLEY		...
56	11/11	B. TAPLEY		...
57	11/11	B. TAPLEY		...
58	11/11	B. TAPLEY		...
59	11/11	B. TAPLEY		...

REV	DATE	BY	CHKD	DESCRIPTION
DEC 3734		SAME		
DEC 3762		SAME		
DEC 6534-BMPS-534				
DEC 2219-S		2N 2214		
M.M. 6.8AZI		1V4099		
D672		IN3653		
D664		IN3606		
DEC NO.		EIA NO.		
SEMICONDUCTOR		CONVERSION CHART		
DATE				
SHEET				
OF				
2				



NOTE: IN PLACE OF DEC 330, DEC 300 (500-485) MAY BE USED.

QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED			
DRAWN BY: MARY PASCHE			
CHECKED BY: []			
DATE: []			
TITLE: SENSE INHIBIT			
EQUIPMENT CORPORATION			
SCALE: 1/8" = 1"			
SHEET CODE: G04-0-1			
REV: H			
DST: []			

REVISIONS

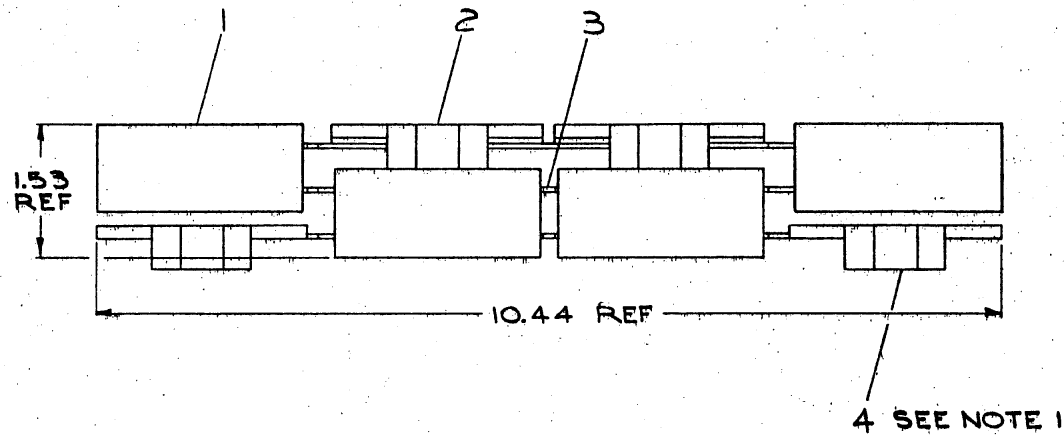
NO.	DATE	DESCRIPTION

100-100-100-100

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NOTES:

1. ITEM NO. 4 (SENSE INHIBIT G104 BOARD) MUST ALWAYS BE FACING THE FRONT OF THE MACHINE.

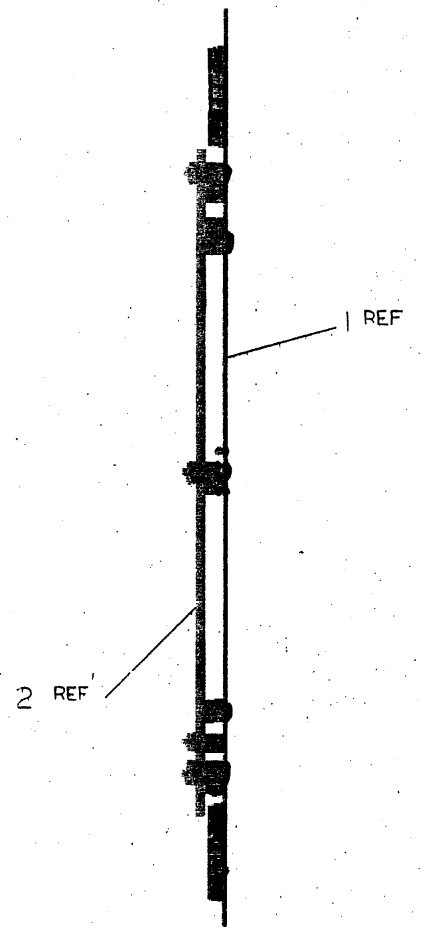
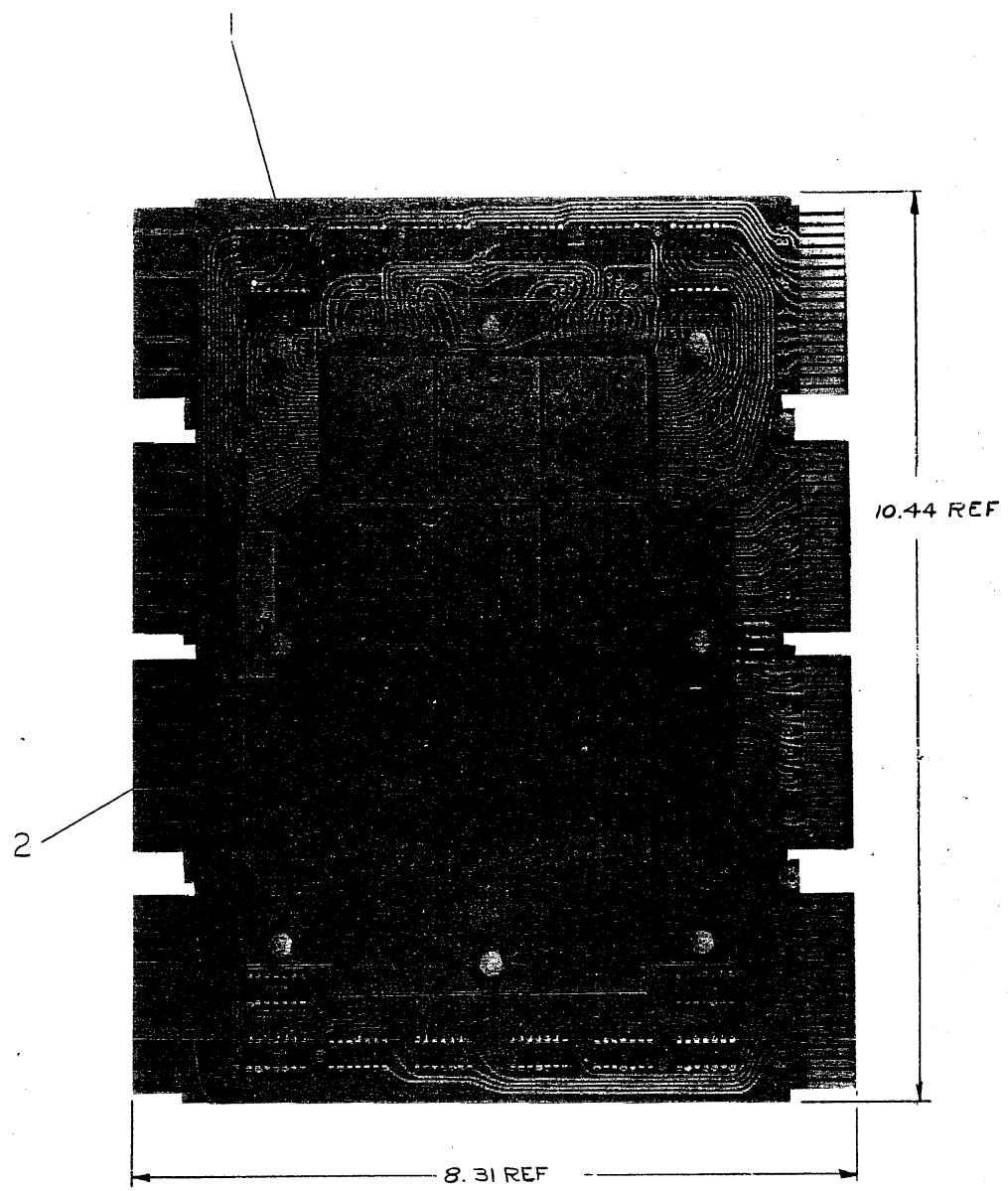


REV.	
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MODEL PDP8/E	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION <small>WAYNARD, MASSACHUSETTS</small>	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE		
TOLERANCES	ENG	DATE		
ANGLES = 0°30'	PROJ. ENG.	DATE		
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS	PROD.	DATE	4K 12 BIT MEMORY	
MATERIAL	NEXT HIGHER ASSY.			
FINISH	A-ML-MMS/E-Ø	SCALE	SIZE CODE	NUMBER
		1:1	DUA	MMS-E-Ø
		SHEET 1 OF 1		

DIGITAL EQUIPMENT CORPORATION WAYNARD, MASSACHUSETTS				QUANTITY / VARIATION														
PARTS LIST																		
MADE BY JOHN FERGUSON		CHECKED KEN GULICK		SECTION														
DATE 12-3-70		DATE 12-3-70		1														
ENG <i>Peter Vogelsang</i>		PROD <i>Larry Taylor</i>		ISSUED SECT.														
DATE 1/12/71		DATE 1/13/71		1														
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		MMS-E														
1	B-UA-H851-0-0	H851 EDGE CONNECTOR		4														
2	E-CS-G227-0-1	XY DRIVER		1														
3	D-UA-H220-0-0	PLANAR STACK BOARD		1														
4	E-CS-G104-0-1	SENSE/INHIBIT G104		1														
TITLE				ASSY NO.				SIZE CODE		NUMBER				REV.		ECO NO.		
4K 12 BIT MEMORY				D-UA-MMS-E-0				A PL		MMS-E-0								
SHEET 1 OF 1				DIST.		5												

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REV.	
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MODEL
 PDF 8/E

DO NOT SCALE DRAWING	
UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	
TOLERANCES	ANGLES
DECIMAL FRACTIONS = .005	= 0°30'
FINAL SURFACE QUALITY	
REMOVE BURRS AND BREAK SHARP CORNERS	
MATERIAL	
FINISH	

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
	TITLE MEMORY STACK (H220)		
	SIZE CODE DUA	NUMBER H220-0-0	REV.
	SCALE 1/16"	DIST.	
	SHEET 1	OF 1	

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ACCESSORY LIST

LEGEND

- D DOCUMENT
- DN DOCUMENT CHANGE NOTICE
- PA PAPER TAPE ASCII
- PB PAPER TAPE BINARY
- PM PAPER TAPE READ-IN-MODE

QUANTITY / VARIATION

MADE BY D. Kaney	CHECKED <i>JT</i>	SECTION	
DATE 3/31/72	DATE 6-2-72	ISSUED SECT.	
ENG W. Coates	PROD <i>W.C.</i>		
DATE 4/4/72	DATE 6-2-72		

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	MM8-E	MM8-EJ	MM8-EH	KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE
1	B-DD-MM8-E	MEM. DWG. DIR.	1	1	1						
2	DEC-8E-HR1B-D	Maintenance Manual *	1	1	1						
3	Lib Kit- <i>KMBE</i>	Library Kit	1	1	1						
4	H212	8K Stack ASSY.		1							
5	G111	8K Sense Inhibit Board		1							
6	G233	8K XY Driver Board		1							
7	H220	4K Stack Board	1								
8	G104	4K Sense Inhibit Board	1								
9	G227	4K XY Driver Board	1								
10	H851	Edge Connector	4	4	4						
11	A-SP-MM8-EJ-4	Engineering Specification		1	1						
12	H211	4K Stack Assy			1						
13	G115	8K or 4K sense inhibit board		1	1						
14	G234	8K or 4K X-Y driver board		1	1						

TITLE MM8-E Accessory Shipping List	ASSY. NO.	SIZE CODE A AL	NUMBER MM8-E-3	REV. A	ECO NO MM8E-00005
SHEET 1 OF 1		DIST.			

**DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS**

ENGINEERING SPECIFICATION

DATE 5/26/71

TITLE MM8E ACCEPTANCE PROCEDURE

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

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ENGINEERING SPECIFICATION

CONTINUATION SHEET

TITLE MM8E ACCEPTANCE PROCEDURE

1.0 SCOPE

1.1 This procedure defines the minimum performance standards required of a MM8-E option which is not accepted as an integral part of a PDP8-E, i.e., add-on options.

2.0 SET UP

- 2.1 Remove the four (4) edge connectors from the tops of the G104, H220 and G227 (MM8-E) modules.
- 2.2 Inspect the G104, H220 and G227 (MM8-E) modules for conformance to "Final Inspection Procedure for Flip-Chip Modules" (A-SP-7665039-0-0) and "Module Rework Standard" (A-SP-7605845-0-0).
- 2.3 Check the G104 and G227 modules for a legible three character numerical date code.
- 2.4 Check the G104 and G227 modules to insure the circuit and etch revisions are up to current ECO levels. Make sure all EMA jumpers on the G104 module are installed.
- 2.5 Inspect the G104 to make sure a center strobe position is stamped on the module.
- 2.6 Insure that strobe switch is set to center position indicated on the G104.
- 2.7 Ascertain that the MM8E option has been checked out in heat and vibrated by Production.
- 2.8 Make sure the power to the PDP8-E is turned OFF.
- 2.9 Insert the G104, H220 and G227 (MM8E) modules into the omnibus. Be sure you adhere to the "Recommended Omnibus Assignment List" (A-SP-PDP8-E-0-4).
- 2.10 Connect the MM8E modules together using the four (4) edge connectors. The G104 should be in front, the H220 in the middle and the G227 third.

3.0 ELECTRICAL TEST

- 3.1 Turn on power to the PDP8-E.
- 3.2 Follow the loading procedure for MM8E Memory Checkerboard (MAINDEC-8E-DLAA).
- 3.3 Run the MM8E Memory Checkerboard diagnostic following the instructions in the program write-up, this test must run error free for a minimum of 10 minutes.
- 3.4 At the completion of 3.3 halt the PDP8-E and turn off the power to the PDP8-E.
- 3.5 Remove the two (2) edge connectors that connect the G104 and H220 together.

ENG <i>R. C. Dukes</i>	APPD <i>W. C. Johnson</i>	SIZE A	CODE SP	NUMBER 7665139-0-0	REV
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SIZE A	CODE SP	NUMBER 7665139-0-0	REV
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TITLE MM8E ACCEPTANCE PROCEDURE

- 3.6 Remove the G104 module from the omnibus.
- 3.7 Turn **strobe switch** one position clockwise from the center position that is indicated on the G104 module. Reinsert the G104 module into the omnibus.
- 3.8 Reconnect the G104 and H220 modules using the two (2) edge connectors.
- 3.9 Repeat 3.3
- 3.10 At the completion of 3.6 halt the PDP8-E and turn off the power to the PDP8-E.
- 3.11 Repeat 3.5 and 3.6
- 3.12 Turn **strobe switch** one position counter-clockwise from the center position that is indicated on the G104 module. Reinsert the G104 module into the omnibus.
- 3.13 Repeat 3.8.
- 3.14 Repeat 3.3
- 3.15 At the completion of 3.9 halt the PDP8-E and turn off the power to the PDP8-E.
- 3.16 Repeat 3.5 and 3.6.
- 3.17 Return **strobe switch** to the center position indicated on the G104 module.
- 3.18 Reinsert the G104 module into the omnibus.
- 3.19 Repeat 3.8.
- 3.20 Follow the loading program for MM8E Memory Address Test (MAINDEC-8E-DLEA).
- 3.21 Run the MM8E Memory Address Diagnostic following the instructions in the program write-up. This test must run error free for a minimum of ten (10) minutes.
- 3.22 If the construction requisition specifically states a particular memory field is desired, have production cut the appropriate EMA jumper or jumpers.

4.0 FAILURE CLASSIFICATION

- 4.1 Mechanical Failure..
 - 4.1.1 Any G104, H220 and G227 (MM8E) module that does not meet the criterion outlined in 2.1, 2.2, 2.3, 2.4, and 2.5 will be classified as a failure.
 - 4.1.2 The acceptance supervisor has the option of either waivering the failure (using DEC form 12-1026) or returning the defective module or modules to production for repair.

SIZE	CODE	NUMBER	REV
A	SP	7665139-0-0	

TITLE MM8E ACCEPTANCE PROCEDURE

- 4.2 Electrical Failure.
 - 4.2.1 Any MM8E (G104, H220 and G227 module) which while performing 3.3, 3.6, 3.9 and 3.13 halts, generates error printouts, garble or runs other than continuous and as specified in the diagnostic write-up will be classified defective and returned to production for repair.

SIZE	CODE	NUMBER	REV
A	SP	7665139-0-0	