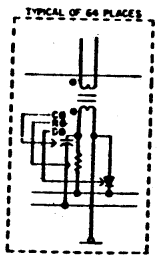
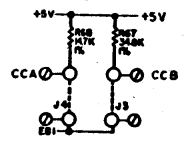
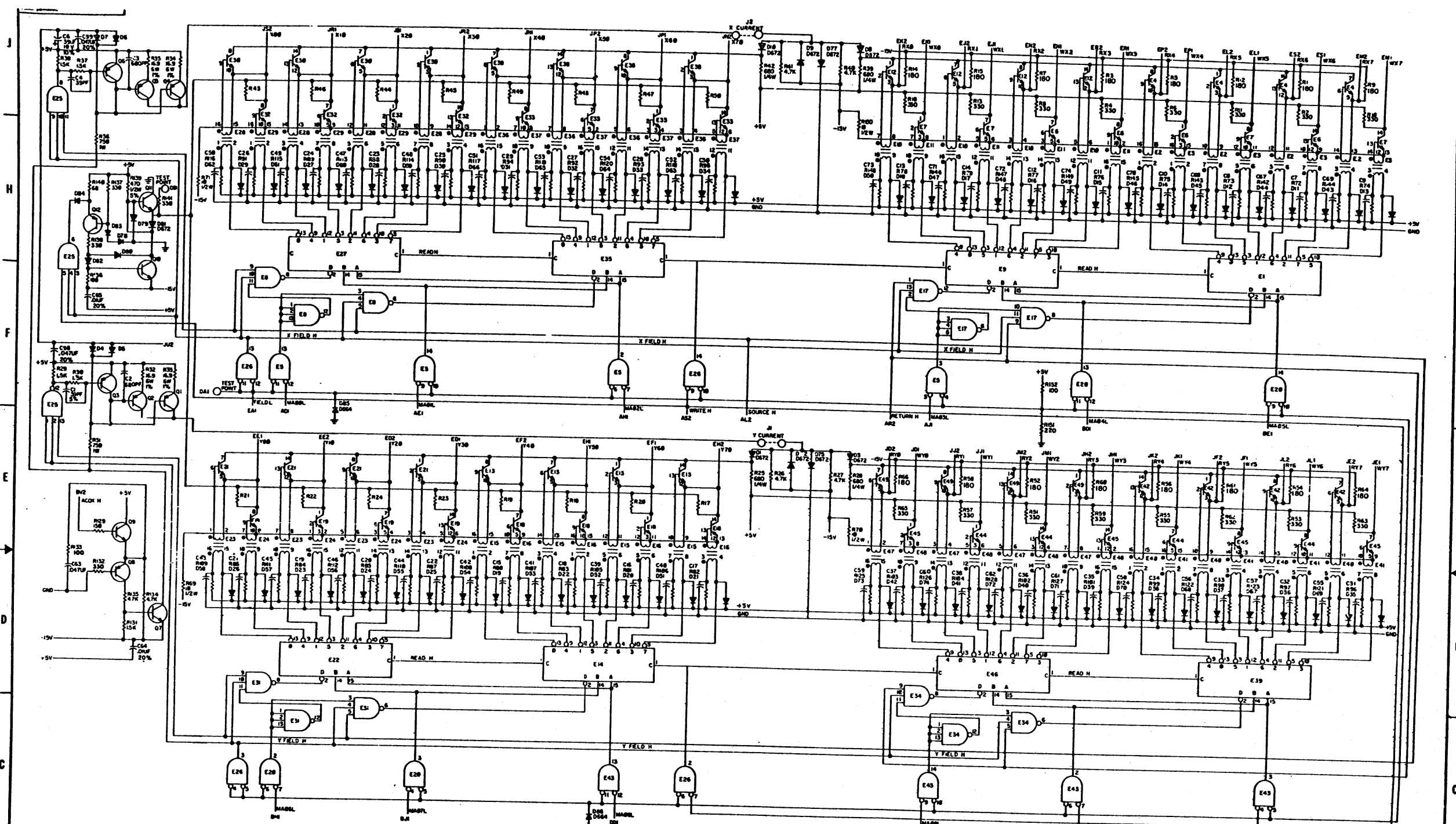


TITLE	SHEET 2 OF 3	SIZE	CODE	NUMBER	REV
MEMORY		B	DD	MMB-E	



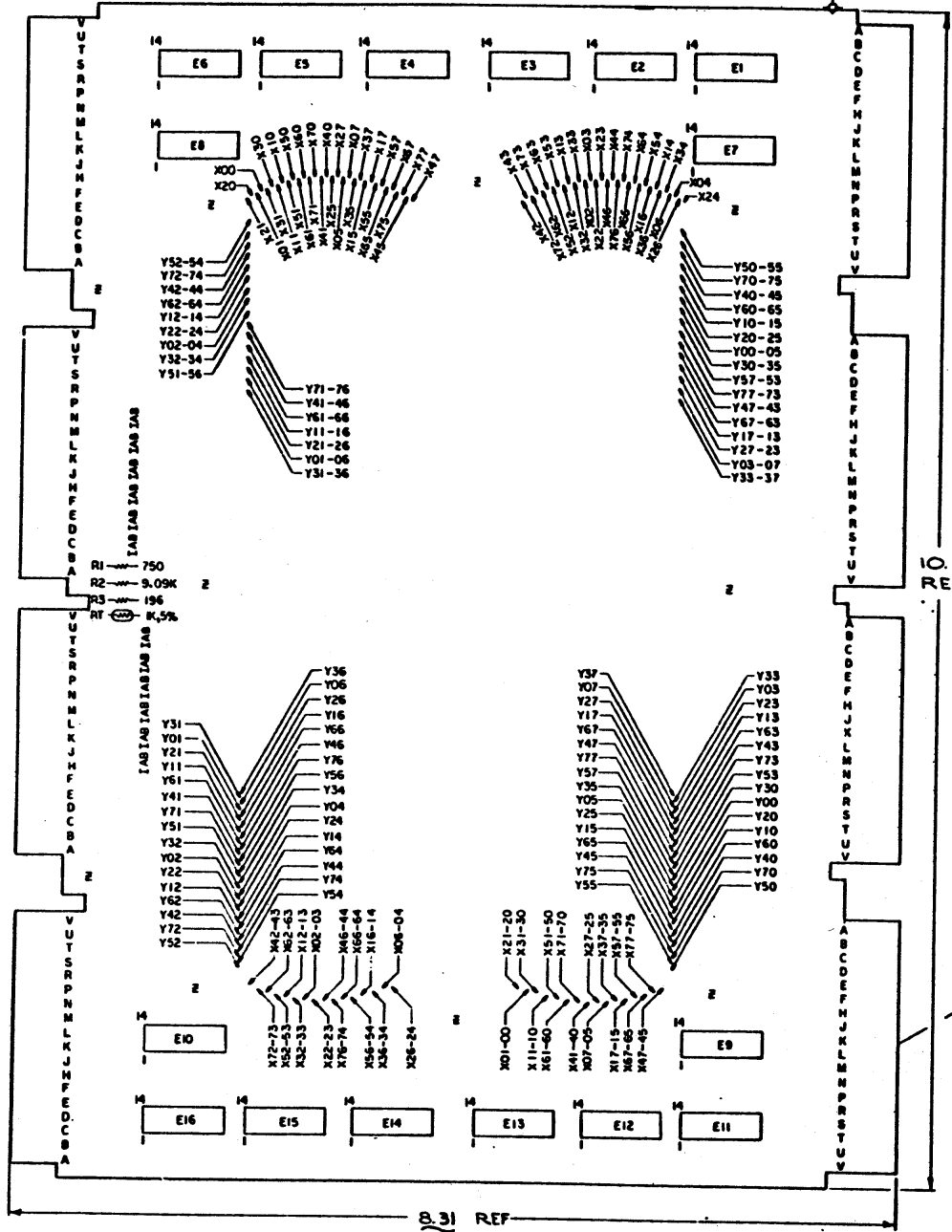
REV.	DATE	DESCRIPTION	PARTS LIST	FIG. NO.
1	10/1/57	Initial Design		
2	10/1/57	Design Change		
3	10/1/57	Final Design		
4	10/1/57	Production		
5	10/1/57	Final		

EQUIPMENT CORPORATION <small>AN ELECTRONIC CORPORATION</small>	
X Y DRIVER AND CURRENT SOURCE	
SCALE: 1/8" = 1" SHEET 2 OF 2	DRAWING NO. G227-8-1 REV. #1

EXTENSION SHEET NO. 1
 G227-8-1

G227-8-1
 REV. #1

- 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 DEC2501
 - THERMISTOR (RT) 1.0K, 1% AT 25°C



IC TYPE	GND	+5V	ITEM NO	ANG	FROM PT	TO PT
IC PIN LOCATIONS						
JUMPER LIST						

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	REV
1	E1-E16	IC DEC 2501	1410015	1
1	RT	RES 1K THERMISTOR 1%	1310071	1
1	R2	RES 9.09 1/8W 1% MF	1304885	7
1	R3	RES 196 1/8W 1% MF	1302456	16
1	R1	RES 750 1/8W 1% MF	1303445	3
1		ETCHED CIRCUIT BOARD	5004037	1
REF		MODULE HISTORY LIST	5MM 56406	1
REF		ASSY/DRILLING HOLE LAYOUT	EAGGG405	2
REF		Z-Y COORDINATE HOLE LOOK-UP	CO-GG124	1

REV		DATE		BY	

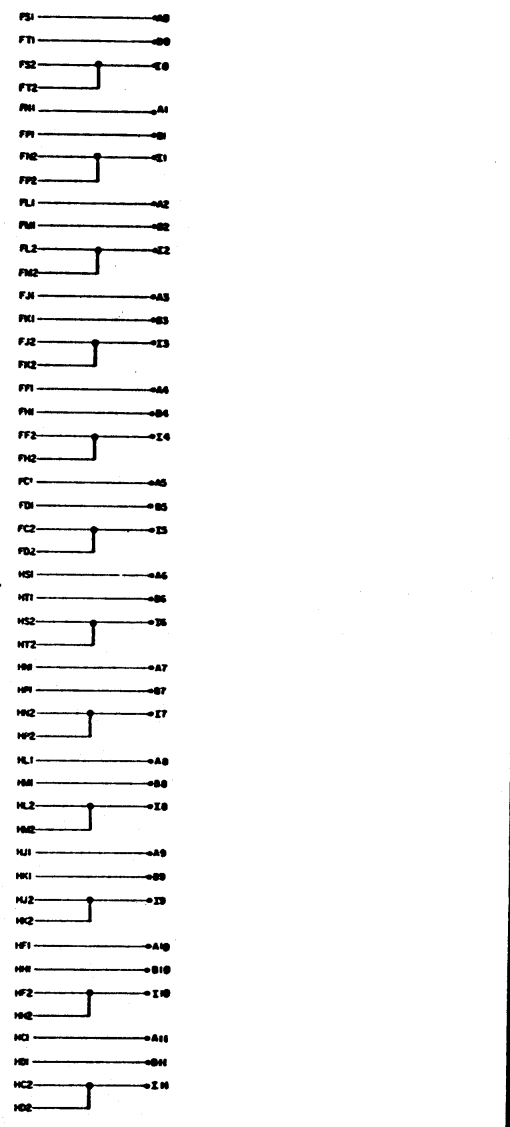
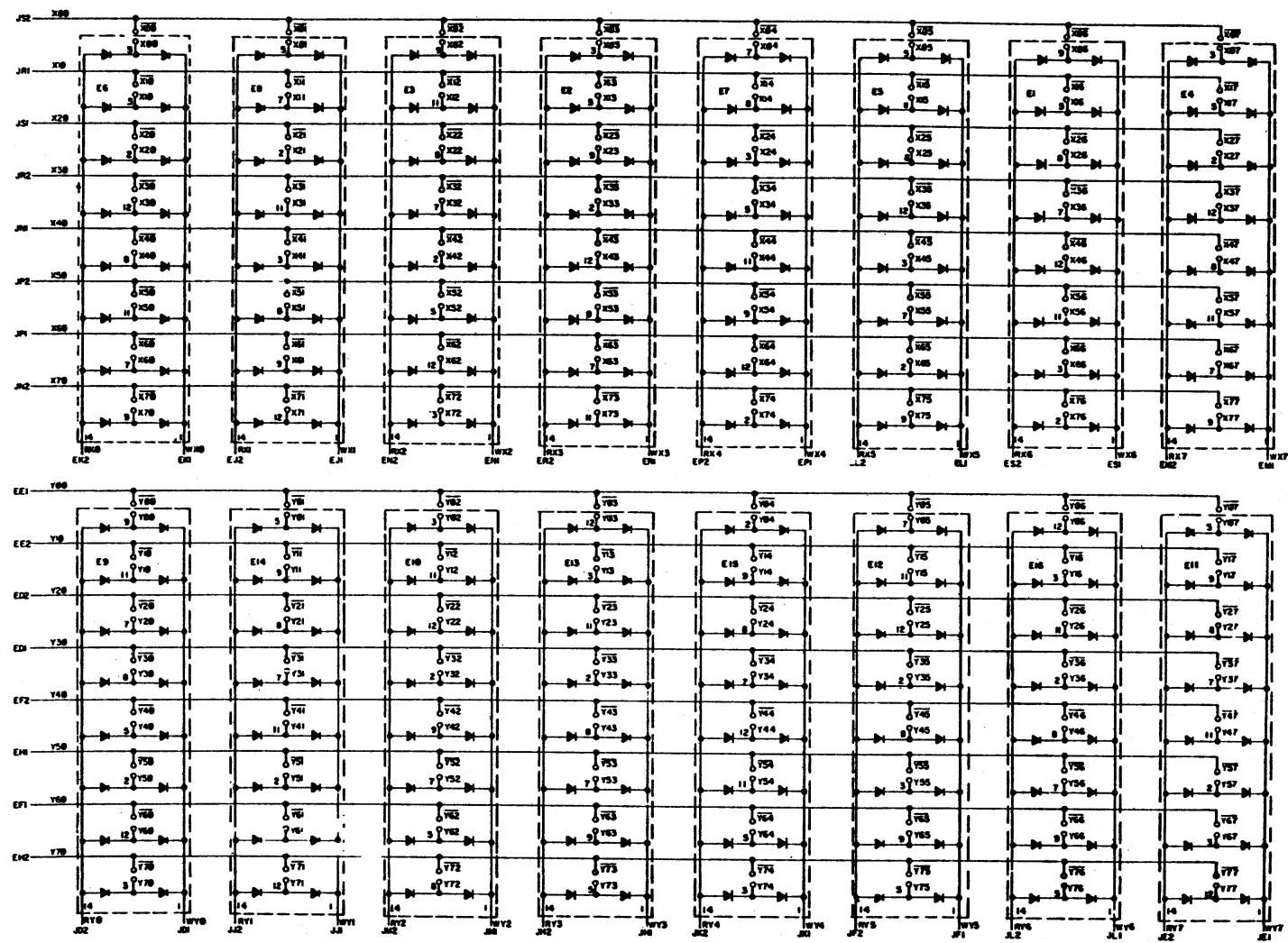
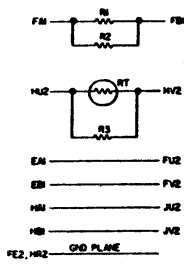
DEC NO	EIA NO	SEMICONDUCTOR CONVERTOR CHART	REV	OF	Z	REV

PLANAR STACK BOARD
G619

EQUIPMENT CORPORATION

ECS G619-B-1

This drawing and construction, herein are the property of the United States Government and shall not be reproduced or used in any way for any purpose other than that for which it was prepared.

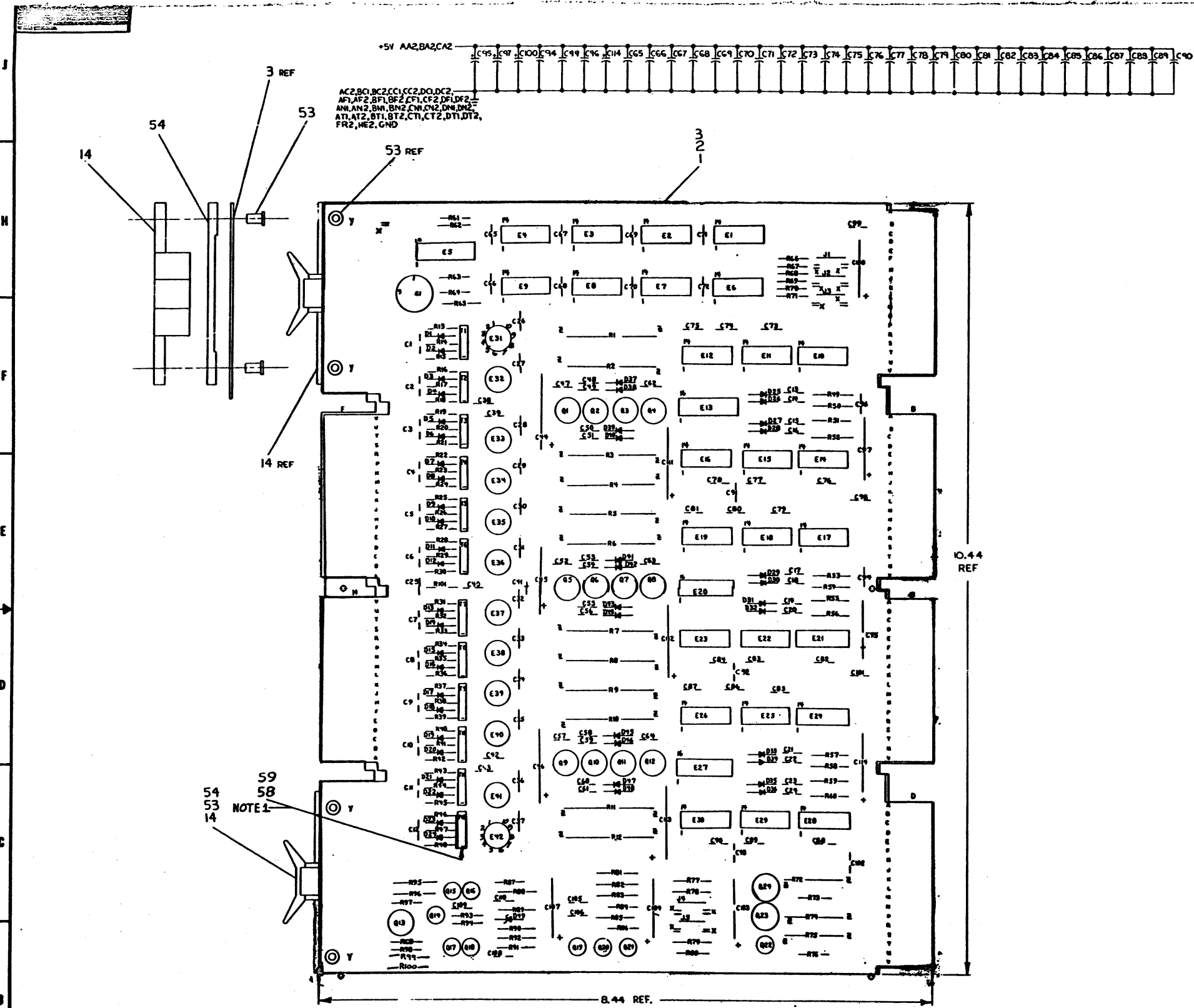


REV.	DESCRIPTION	DATE	BY
1	ISSUED	7/13/70	J. W. MOSE
2	REVISED	7/25/70	J. W. MOSE
3	REVISED	7/29/70	J. W. MOSE
4	REVISED	8/1/70	J. W. MOSE
5	REVISED	8/1/70	J. W. MOSE

QTY	DESCRIPTION	PART NO.	REV. NO.
1	PLANAR STACK BOARD	6619-0-1	1

TITLE: PLANAR STACK BOARD
 DRAWN BY: J. W. MOSE
 CHECKED BY: J. W. MOSE
 DATE: 7/13/70
 SCALE: AS SHOWN
 SHEET 2 OF 2

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 I725 TRANSFORMERS WITH CUTOUT TOOTH OVER CAPACITOR C40.



REF	REF DESIGNATION	DESCRIPTION	PART NO.	QTY
1	R102	RES. 10, 1/4W, 10%	1300170	62
11		SPLIT LUGS	9006735	61
1	R81	RES. 2.74 1/8W 1% 100 MFP	1304868	60
W/R		SCOTCH GRIP ADHESIVE	9008907	59
W/R		CATERPILLER GROMMET	9007622	58
REF		ASSY/DRILLING HOLE LAYOUT	44-6104-0	57
2	R90, R101	RES. 100, 1/8W, 1% 100 MFP	1302858	56
WR		WIRE #22 AWG SOLID BUS	407560-01	55
2		SPACER (CABLE CLAMP)	1202704	54
4		EYELET #654-II E.B. STIMPSON	9006750	53
1	E5	I.C. DEC 7486	1910011	52
3	E10, E17, E24	I.C. DEC 8581	1904705	51
4	E14, E21, E28	I.C. DEC 384	1904486	50
1	E2	I.C. DEC 6380	1909871	49
2	E3, E8	I.C. DEC 7411	1904267	48
1	E9	I.C. DEC 74100N	1905056	47
6	E11, E15, E18, E22, E25, E29	I.C. DEC 74140N	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	IONS DELAY LINE	1610033-0	41
3	E13, E20, E27	PULSE TRANSFORMER	1609996	40
12	T1-T12	TRANSFORMER T72-S	1609478	39
12	Q1-Q12	TRANSISTOR DEC 3734	1900662	38
2	Q23, Q24	TRANSISTOR DEC 3762	1906449	37
9	Q14-Q22	TRANSISTOR DEC 6534-B	1503409-01	36
1	Q13	TRANSISTOR DEC 2219-S	150881	35
12	R1-R12	RES. 1/4W, 1% 100 MFP	1309679	34
12	R49-R60	RES. 68, 1/2W, 5% CC	1309405	33
1	R89	RES. 68, 1/8W, 1% 100 MFP	1305252	32
1	R88	RES. 5.624, 1/8W, 1% 100 MFP	1305128	31
1	R91	RES. 348, 1/8W, 1% 100 MFP	1304858	30
2	R79, R95	RES. 4.64, 1/8W, 1% 100 MFP	1304856	29
1	R77	RES. 9.09K, 1/8W, 1% 100 MFP	1304855	28
3	R65, R92, R85	RES. 1.8K, 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	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
2	R64, R86	RES. 680, 1/4W, 5% CC	1301424	23
6	R66, R68, R70, R80, R84, R94	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	R17, R18, 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, 1W, 10% CC	1300222	16
1	S1	ROTARY SWITCH	1210043-0	15
2	D4, 4	HANDLE FLIP CHIP - GREEN	9008337-01	14
1	D4, 4	DIODE 1/4M 6.8A21	109494	13
12	D1-D12, D37-D48	DIODE D672	105275	12
12	D1-D12, D37-D48	DIODE D664	1100114	11
32	C23-C43, C47, C52, C57, C62-C64, C74-C76, C78, C101, C102, C110	CAR .047MFD 50V 20% DISC	100K78	10
33	C65-C90, C94, C96, C99, C105, C106, C108, C109	CAR .01MFD 100V 20% DISC	100K10	9
6	C44-C46, C111-C113	CAR .47MFD 20V 20% C. TANT	1000079	8
7	C45, C47, C100, C103, C104, C107, C114	CAR .68MFD 35V 20% C. TANT	1000067	7
12	C48-C51, C53-C56, C58-C61	CAP 1500PF 200V 10% DISC	1000054	6
12	C13-C24	CAP 33PF 100V 5% D. MICA	1000042	5
12	C15-C24	CAP 33PF 100V 5% D. MICA	1000009	4
1	C1-C12	PCB'D CIRCUIT BOARD	5005541	3
REF		MODULE ECO HISTORY	B-14-654-9-4	2
REF		X-Y COORDINATE HOLE LOCATION	X-CO-654-9-4	1

IC PIN LOCATIONS	JUMPER LIST
DEC 380	J5-A J5-B
DEC 384	J4-A J4-B
	J3-A J3-B
	J2-A J2-B
	J1-A J1-B

REV	DATE	BY	CHKD	APP'D
1	10/11/77	R. VOGLER		
2	10/11/77	R. VOGLER		
3	10/11/77	R. VOGLER		
4	10/11/77	R. VOGLER		
5	10/11/77	R. VOGLER		
6	10/11/77	R. VOGLER		
7	10/11/77	R. VOGLER		
8	10/11/77	R. VOGLER		
9	10/11/77	R. VOGLER		
10	10/11/77	R. VOGLER		
11	10/11/77	R. VOGLER		
12	10/11/77	R. VOGLER		

PRINTED CIRCUIT BOARD REVISION

DEC 3734 SAME

DEC 3762 SAME

DEC 6534-B #S6534

DEC 2219-S 2N 2219

1/4M 6.8A21 IN4099

D672 IN3653

D664 IN3606

DEC NO. EIA NO.

SEMICONDUCTOR CONVERSION CHART

EQUIPMENT CORPORATION

SENSE INHIBIT

1/4M 6.8A21 IN4099

D672 IN3653

D664 IN3606

DEC 3734 SAME

DEC 3762 SAME

DEC 6534-B #S6534

DEC 2219-S 2N 2219

1/4M 6.8A21 IN4099

D672 IN3653

D664 IN3606

DEC NO. EIA NO.

SEMICONDUCTOR CONVERSION CHART

EQUIPMENT CORPORATION

SENSE INHIBIT

1/4M 6.8A21 IN4099

D672 IN3653

D664 IN3606

DEC 3734 SAME

DEC 3762 SAME

DEC 6534-B #S6534

DEC 2219-S 2N 2219

1/4M 6.8A21 IN4099

D672 IN3653

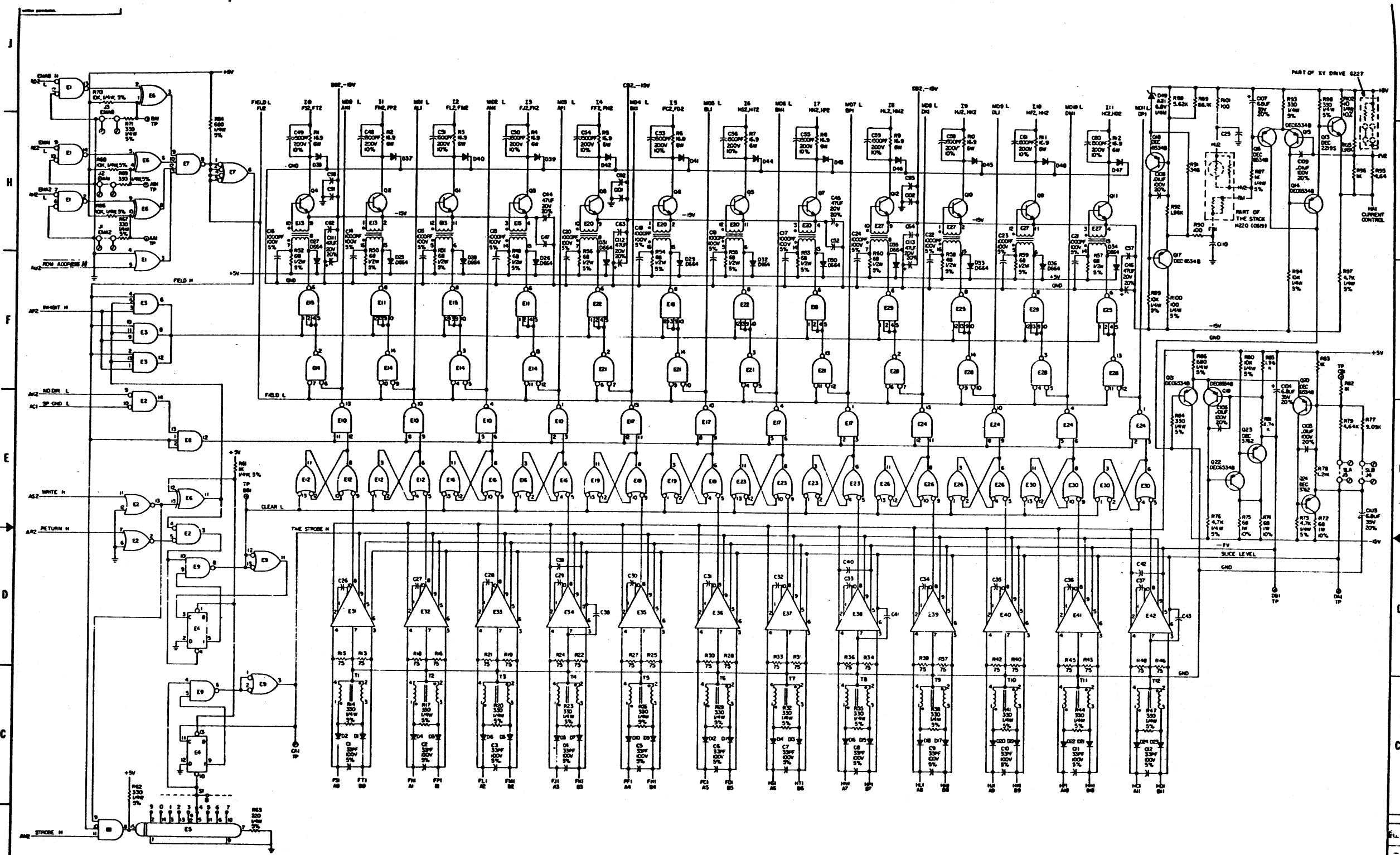
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DEC NO. EIA NO.

SEMICONDUCTOR CONVERSION CHART

EQUIPMENT CORPORATION

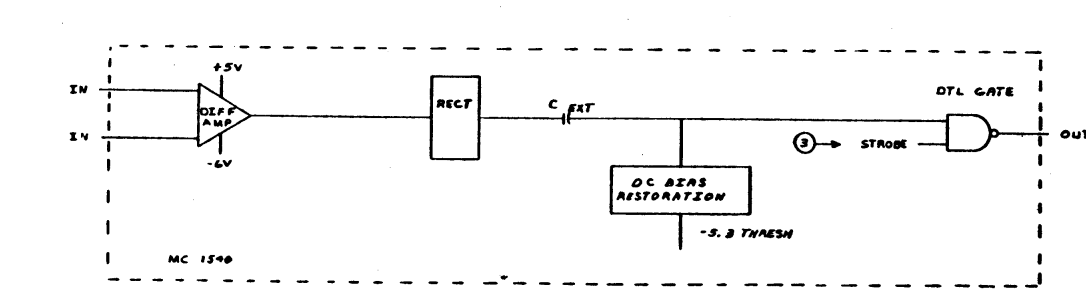
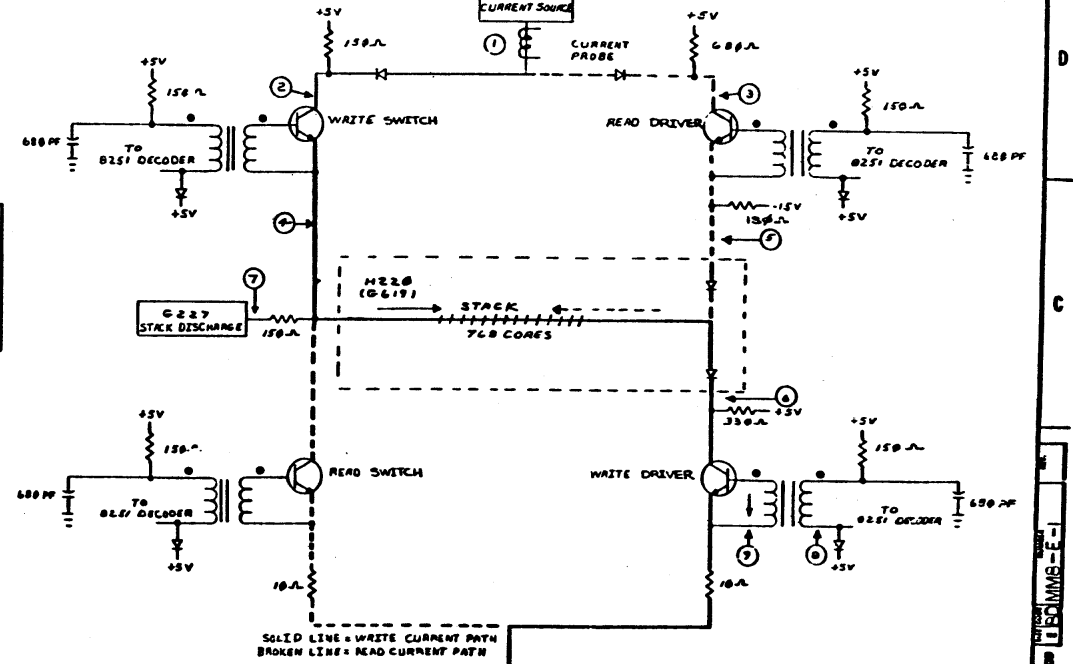
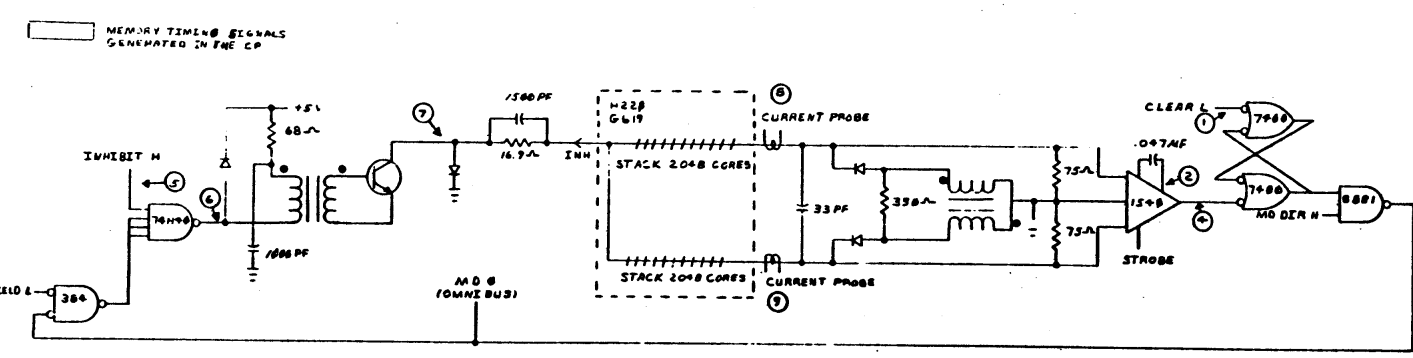
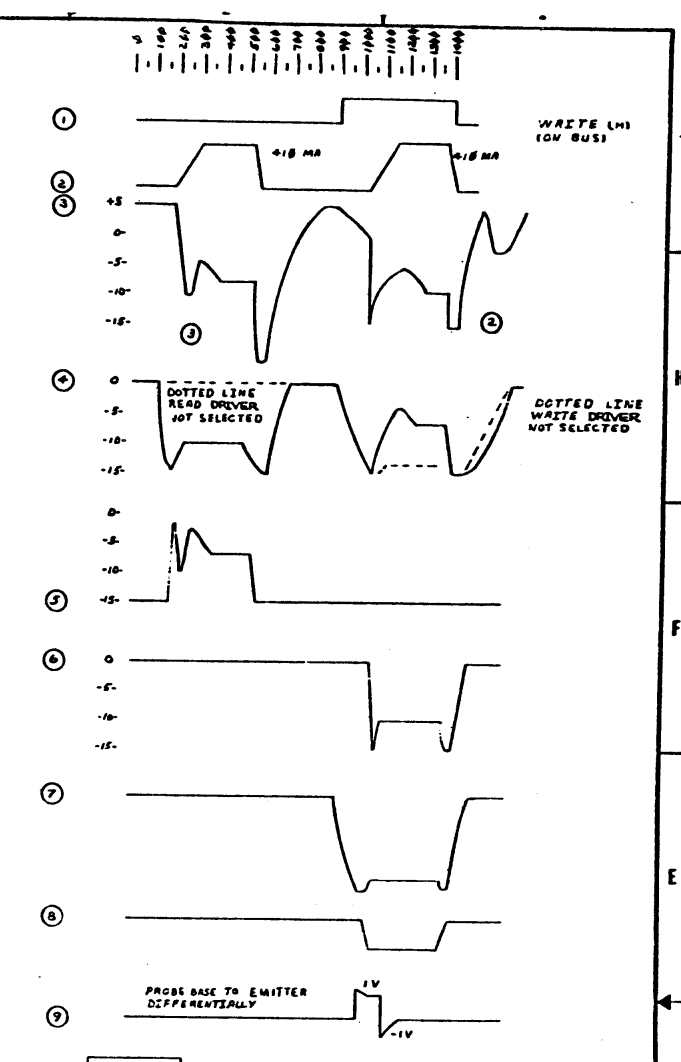
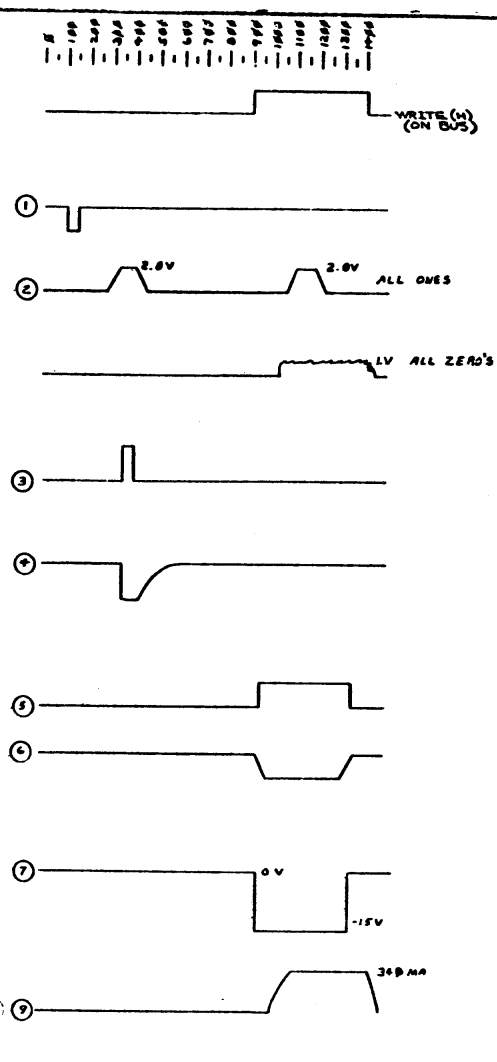
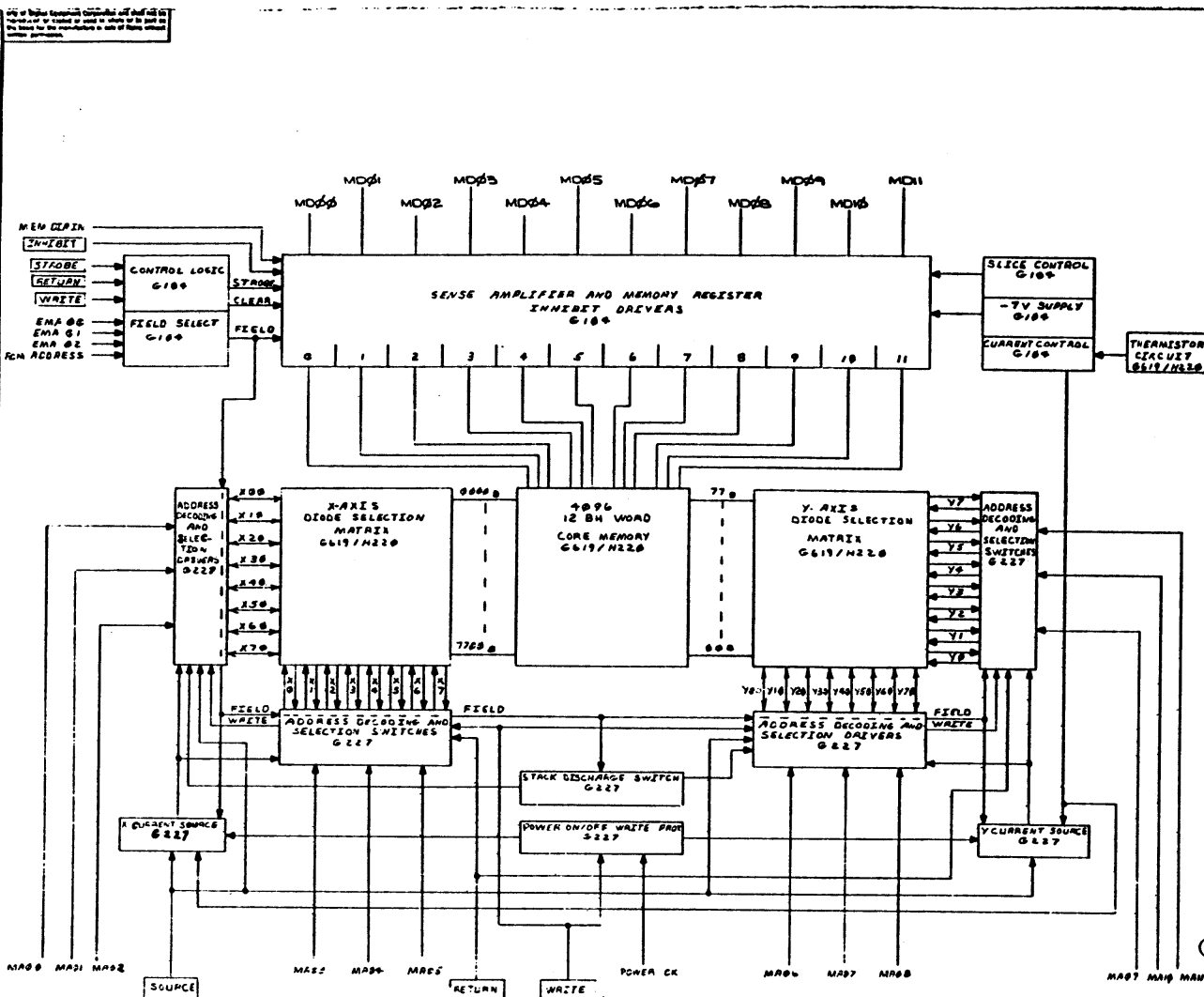
SENSE INHIBIT



NOTE: IN PLACE OF DEC630, DEC300(100P465) MAY BE USED

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
EQUIPMENT CORPORATION			
SENSE INHIBIT			
SCALE: SHEET 2 of 2		REV. CODE: E C S	NUMBER: G04-O-1
DATE: 7-1-77		DATE: 7-1-77	REV. 7

G04-O-1



REV.	DATE	DESCRIPTION	PAGE NO.	TOTAL PAGES
1	10-1-68	BLOCK DIAGRAM TIMING	1	1
2	10-1-68	REVISION	1	1
3	10-1-68	REVISION	1	1
4	10-1-68	REVISION	1	1
5	10-1-68	REVISION	1	1
6	10-1-68	REVISION	1	1
7	10-1-68	REVISION	1	1
8	10-1-68	REVISION	1	1
9	10-1-68	REVISION	1	1
10	10-1-68	REVISION	1	1
11	10-1-68	REVISION	1	1
12	10-1-68	REVISION	1	1
13	10-1-68	REVISION	1	1
14	10-1-68	REVISION	1	1
15	10-1-68	REVISION	1	1
16	10-1-68	REVISION	1	1
17	10-1-68	REVISION	1	1
18	10-1-68	REVISION	1	1
19	10-1-68	REVISION	1	1
20	10-1-68	REVISION	1	1


MASTER DRAWING LIST

MAINTENANCE MANUALS		UNIT VARIATIONS																		
NO.	TITLE	MMS-E																		
	MEMORY	X																		

USED ON OPTIONS	
PDP8/E	
PDP8/M	

REV.	DATE	CHG. NO.	APD.	REVISIONS	
A	2/71	0001	R.V.	G227-A	5/71
B	7/71	0002	A.V.	MISC-86	7/71
C	7/71	0003	AV.	00003	7/71
D	7/72	8E-00055	S. CH. 1/72	8E-00055	1/72

DRN.	K. GULICK	DATE	12/70	REV.	
CHK'D.	K. GULICK	DATE	29/70	SIZE	CODE
ENG	VOGELSANG	DATE	12/71	NUMBER	REV.
PROLOG	VOGELSANG	DATE	12/71	A	M
PROD.	L. SAYLOR	DATE	13/71	L	F
FIRST USED ON	A-ML-PDP8/E-Ø				
SCALE	#	SHEET	1	OF	2



digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

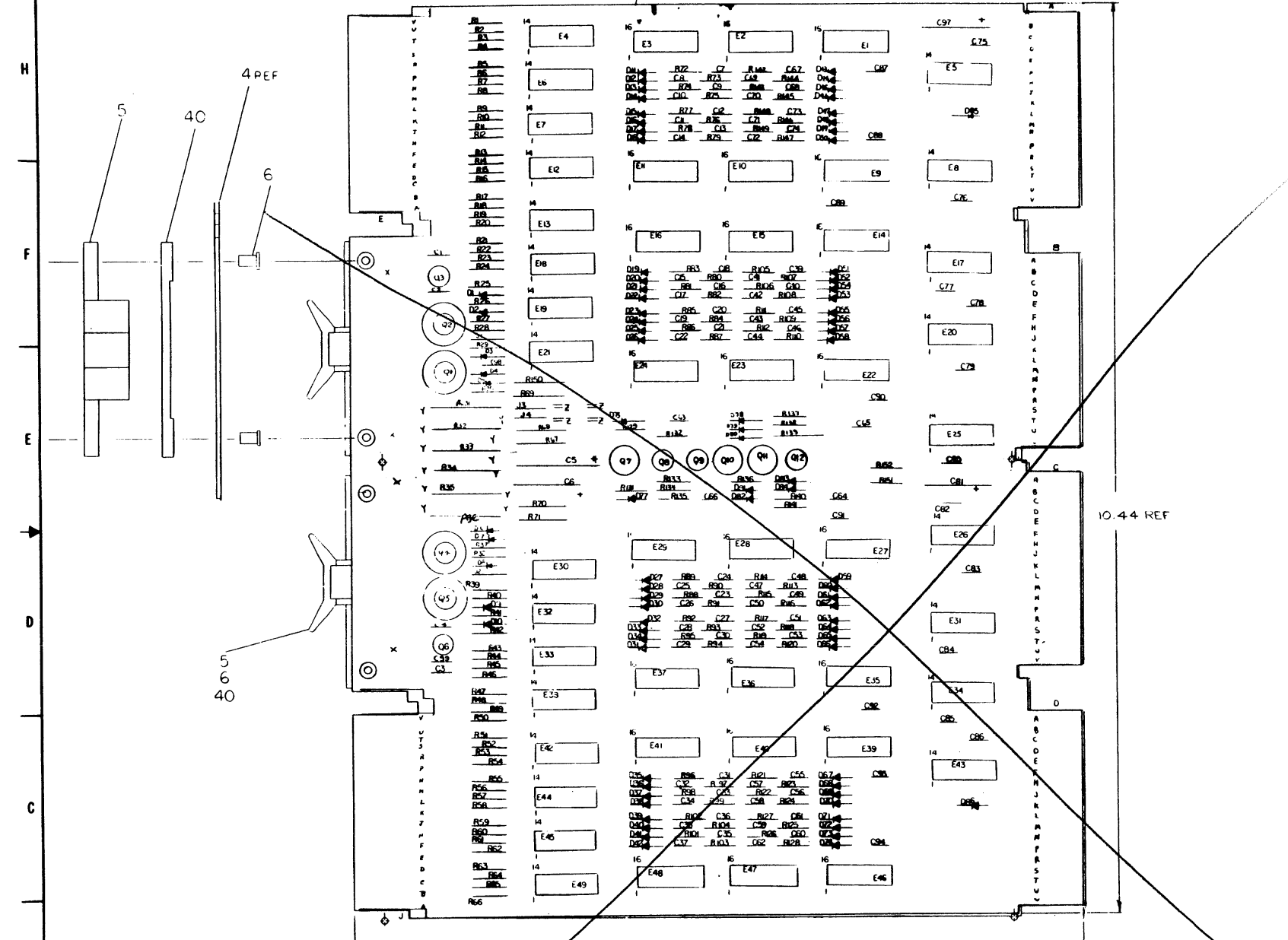
TITLE

MEMORY MM8-E

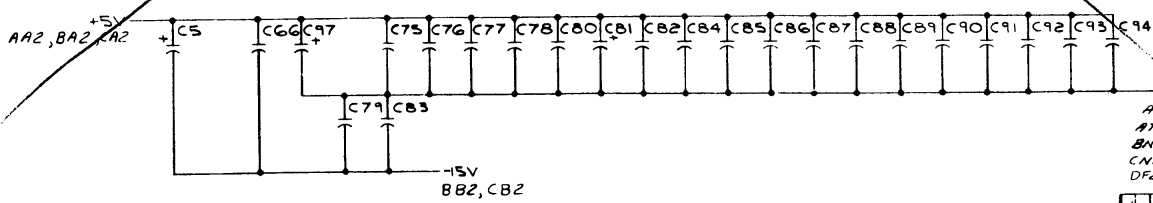
PRINT SET		DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.
X		E-CS-G227-Ø-1	#	2	XY DRIVER	
X		E-CS-G619-Ø-1	#	2	STACK BOARD (G619)	
X		E-CS-G1Ø4-Ø-1	#	2	SENSE/INHIBIT	
X		D-UA-MM8-E-Ø		1	MEMORY MM8-E	
X		A-PL-MM8-E-Ø		1	MEMORY MM8-E	
X		A-SP-MM8-E-2		3	MANUFACTURING PROCEDURE	
X		E-BD-MM8-E-1		1	BLOCK DIAGRAM	
X		A-SP-7665139-0-0		4	ACCEPTANCE PROCEDURE	
		LIBKIT-8E-KM8E	REF		PROGRAM LIBRARY KIT	

TITLE	MEMORY MM8-E	SHEET	2	OF	2	SIZE	CODE	NUMBER	REV.
						A	M	MM8-E	F

1. All dimensions are in inches unless otherwise specified.
 2. All tolerances are as specified in the drawing.
 3. All components are to be standard commercial components unless otherwise specified.
 4. All components are to be standard commercial components unless otherwise specified.



REF	REF DESIGNATION	DESCRIPTION	PART NO.	QTY
4	R1, R3, R5, R7, R9	RES 180 1/4W 5%	1300322	48
16	R2, R4, R6, R8, R10, R12, R14, R16, R18, R20, R22, R24, R26, R28, R30, R32, R34, R36, R38, R40, R42, R44, R46, R48, R50, R52, R54, R56, R58, R60, R62, R64, R66	RES 180 1/4W 5%	1300322	47
20	R2, R4, R6, R8, R10, R12, R14, R16, R18, R20, R22, R24, R26, R28, R30, R32, R34, R36, R38, R40, R42, R44, R46, R48, R50, R52, R54, R56, R58, R60, R62, R64, R66	RES 330 1/4W 5%	300295	46
66	C2, C3, C7, C62, C67, C74	CAP 680PF .001 5% MICA	1000326	45
1	R140	RES 66 1/4W 5%	1213001	44
1	R134	RES 47K 1/2W 5%	1300219	43
2	R25, R26, R39, R42	RES 680 1/4W 5%	1301424	42
2	R25, R26, R39, R42	RES 680 1/4W 5%	1301424	41
4	E8, E17, E31, E34	IC DEC 74H10	1909057	35
4	E5, E20, E26, E43	IC DEC 6380	1909971	37
1	E25	IC DEC 74H11	1909267	36
4	E8, E17, E31, E34	IC DEC 74H10	1909057	35
16	E2, E3, E10, E11, E15, E16, E23, E24, E28, E29, E36, E37, E40, E41, E47, E48, E4, E6, E7, E12, E13, E18, E19, E21, E30, E32, E33, E38, E42, E44, E45, E49	PULSE TRANSFORMER	1609651	34
16	E2, E3, E10, E11, E15, E16, E23, E24, E28, E29, E36, E37, E40, E41, E47, E48, E4, E6, E7, E12, E13, E18, E19, E21, E30, E32, E33, E38, E42, E44, E45, E49	TRANSISTOR DEC 4008	1510015	33
4	Q1, Q2, Q4, Q5	TRANSISTOR DEC 3762	1509649	32
2	Q3, Q6	TRANSISTOR DEC 4258	1505321	31
2	Q8, Q12	TRANSISTOR DEC 6534	1503404	30
1	Q9	TRANSISTOR DEC 3001	1502150	29
1	Q7, Q10, Q11	TRANSISTOR DEC 1008	1501100	28
1	R32, R35	RES 12 1/2W 1% BERYLLIUM	3100332	27
1	R67	RES 348K 1/8W 1% MF	1503156	26
1	R68	RES 14.7K 1/8W 1% MF	1302941	25
6	R26, 27, 40, 41, 134, 135	RES 4.7K 1/4W 5%	1300447	24
6	R26, 27, 40, 41, 134, 135	RES 5.1K 1/4W 5%	1300444	23
5	R27, R30, R37, R38, R131	RES 15K 1/4W 5%	1300391	22
2	R31, R36	RES 750 1/2W 5%	1302385	21
2	R31, R36	RES 750 1/2W 5%	1302385	20
2	R31, R36	RES 330 1/4W 5%	1300296	19
1	R11	RES 220 1/4W 5%	1300271	18
81	R11	RES 150 1/4W 5%	1300250	17
3	R13, R16, R17	RES 100 1/4W 5%	1300229	16
4	R69, R71, R150	RES 10 1/2W 5%	1300168	15
9	D1-D3, D8-D10, D75, D77, D81	DIODE D672	1105275	14
76	D4-D7, D11-D14, D78-D80, D82-D86	DIODE D664	1100114	13
1	C64 - C66, C75	CAP 20UF 50V 10% ELECT	1002839	12
22	C80, C82-C94	CAP 01UF 00V 20% DISC	1001610	11
3	C6, C81, C97	CAP 39UF 10V 10% S TANT	1000076	10
3	C65, C48, C99	CAP 047UF 16V 15-20% DISC	1000978	9
2	C2, C3	CAP 500PF 100V 5% DISC	1000025	8
2	C1, C4	CAP 39PF 100V 5% DISC	1000016	7
4	C1	EYELET #6S411 STIMPSON	1000950	6
4	C1	HANDLE FLIP CHIP GREEN	1000337-01	5
4	C1	ETCHED CIRCUIT BOARD	10008832	4
4	C1	MODULE HISTORY LIST	1000000	3
REF	REF	ASSY/DRILLING HOLE	1000000	2
REF	REF	XY COORDINATE HOLE	1000000	1



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.

IC PART LOCATIONS	ITEM NO	AVG	FROM PT	TO PT
DEC6380	1	39	J4-A	J4-B
DEC6251	8	39	J3-A	J3-B
	16	39	J2-A	J2-B
	39	22	J1-A	J1-B

REV COLUMNS

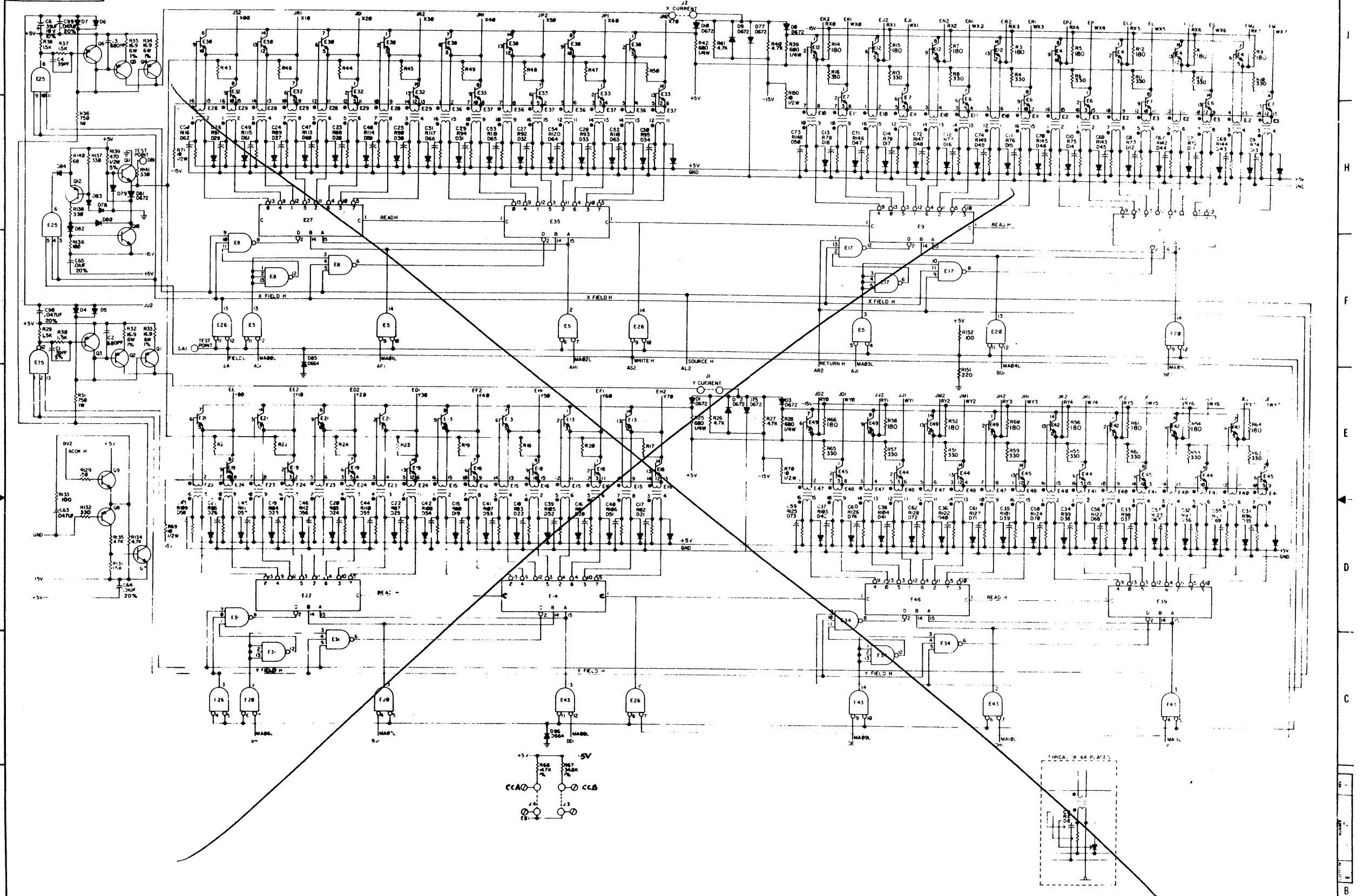
REV	DATE	DESCRIPTION
DEC 3762	12/1/65	INITIAL DESIGN
DEC 4258	12/1/65	REVISION
DEC 6534	12/1/65	REVISION
DEC 3001	12/1/65	REVISION
DEC 1008	12/1/65	REVISION
DEC D672	12/1/65	REVISION
DEC D664	12/1/65	REVISION

EQUIPMENT CORPORATION

NY DRIVER & CURRENT SOURCE

DEC 6227-0-1

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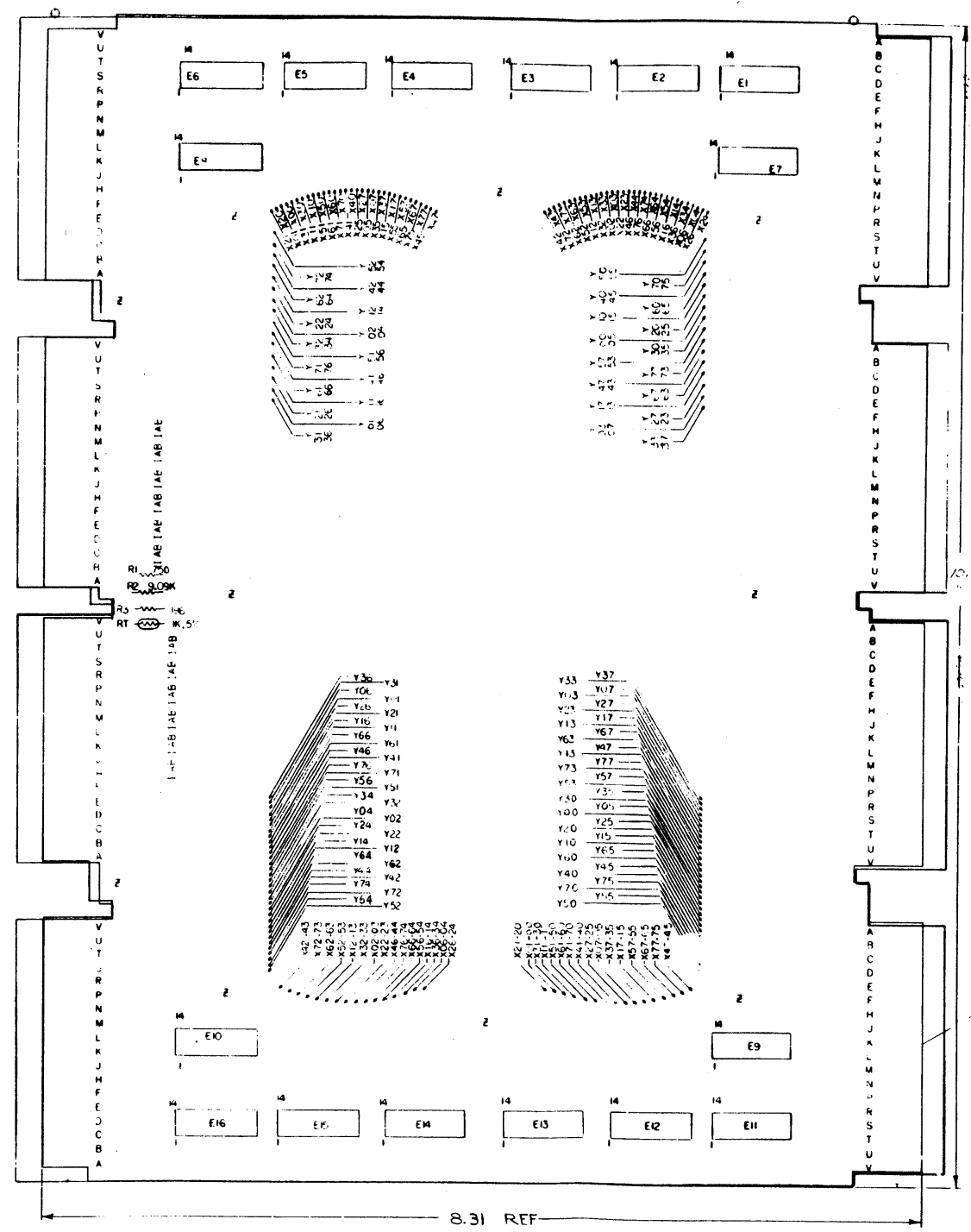


QTY	DESCRIPTION	PART NO	ITEM NO
UNLESS OTHERWISE SPECIFIED			
DIMENSIONS IN INCHES			
TOLERANCES			
MATERIAL			
FINISH			
SCALE			
SHEET 2 OF 2			
DATE		DATE	
CHKD.		DATE	
ENGR.		DATE	
PROJ. ENG.		DATE	
MFG. PLAN.		DATE	
MATERIAL		DATE	
SCALE		DATE	
SHEET 2 OF 2		DATE	
TITLE		REV.	
X Y DRIVER AND CURRENT SOURCE		F	
SIZE CODE		NUMBER	
ECS		G. C. C.	
DST		1	

REVISIONS

REVISIONS

NOTES:
 1. 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
 2. DIODE ARRAYS WILL BE MOUNTED BY STACK
 VENDOR. DIODE ARRAYS ARE DEC 2501
 3. THERMISTOR (RT) 1.0K, 1% AT 25°C



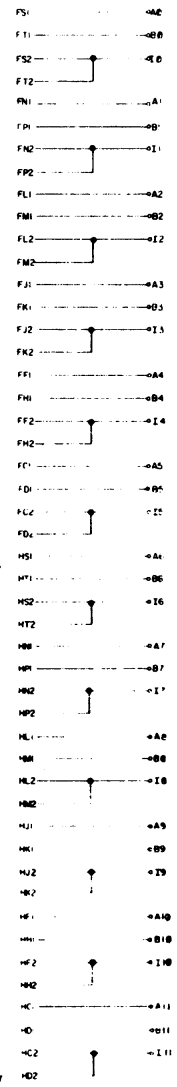
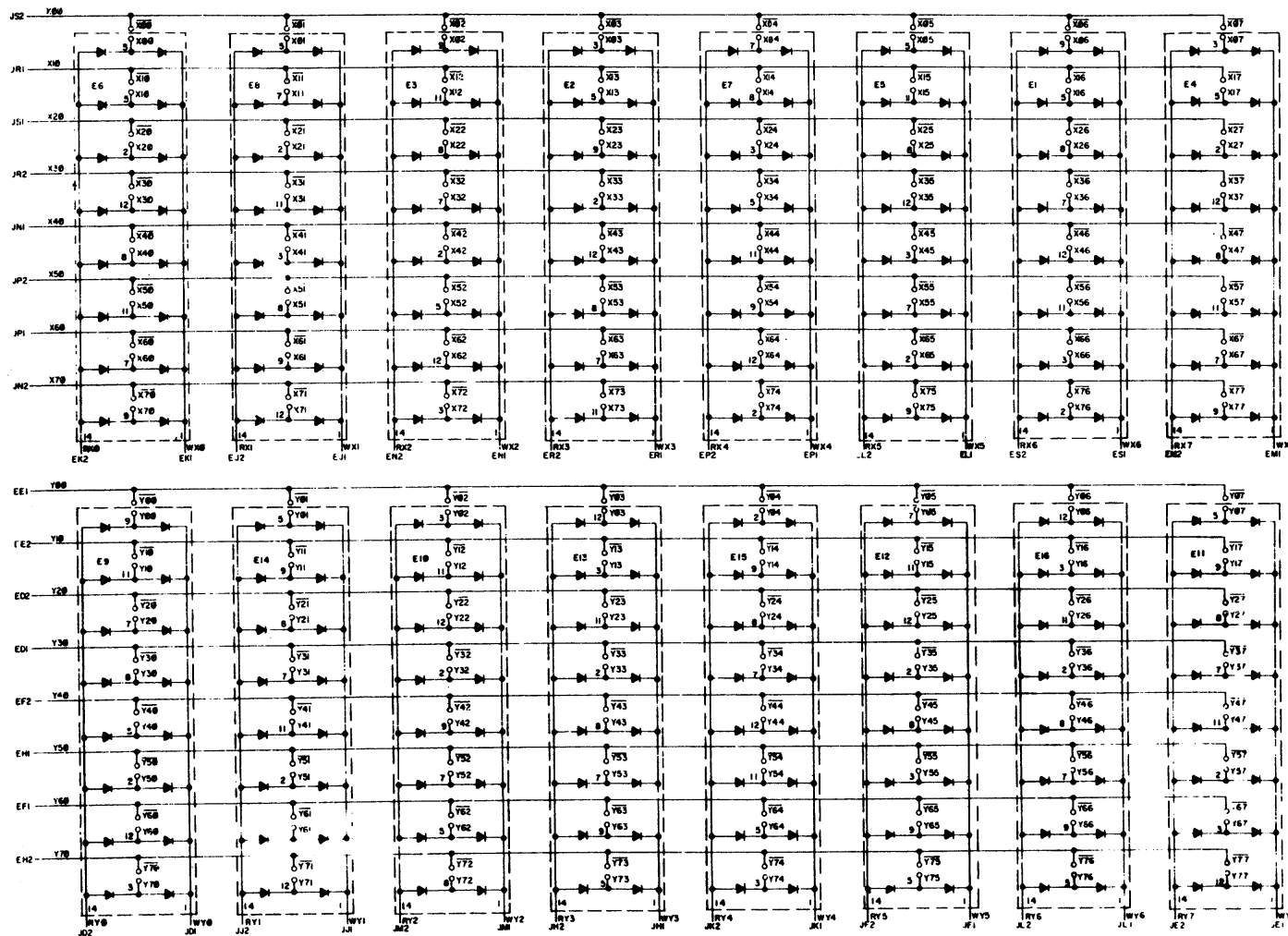
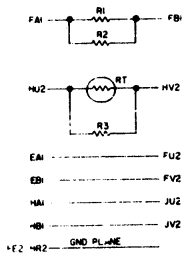
IC TYPE	GND	+5V	ITEM NO	AWG	FROM PT	TO PT

IC PIN LOCATIONS

QTY.	REF DESIGNATION	DESCRIPTION	PART NO.	REV
1	E1-E10	I.C. DEC 2501	1910010	1
1	RT	RES. 1K THERMISTOR 1%	1310071	1
1	R2	RES. 9.09 1/8W 1% MF	1304885	7
1	R3	RES. 146 1/8W 1% MF	1302950	5
1	R1	RES. 750 1/8W 1% MF	1302955	5
1		ETCHED CIRCUIT BOARD	5009057	4
REF		MODULE HISTORY LIST	B-MH 6619-0-1	3
REF		ASST/DRILLING HOLE LAYOUT	AHGG1705	1
REF		A-T COORDINATE HOLE LOC	CO-6619-04	1

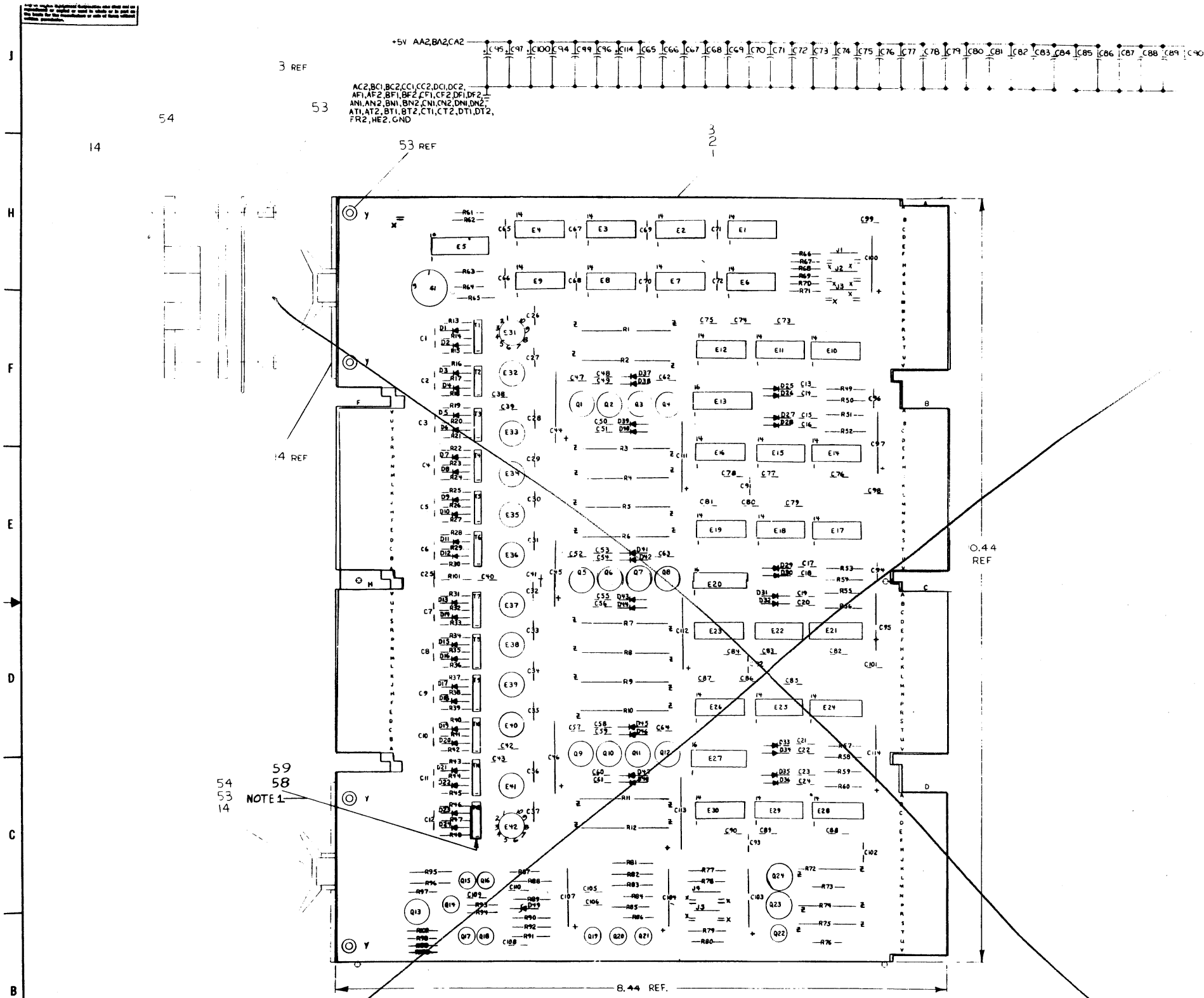
REV COLUMN	PARTS LIST	
PRINTED CIRCUIT BOARD REVISION		
CIRCUIT SCH REVISION		
EQUIPMENT CORPORATION		
TITLE		
PLANAR STACK BOARD		
6619		
DEC NO	EIA NO	
D UA H220		
SEMICONDUCTOR CONVERSION CHART		
SCALE		
SHEET 21		
ECS 6619-0-1		

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QTY	DESCRIPTION	PART NO	REVISION
UNLESS OTHERWISE SPECIFIED			
DRAWN BY: LEANNE FRENCH DATE: 12/3/70			
CHECKED BY: R. VOGE-SAMM DATE: 12/28/70			
DESIGNED BY: [blank] DATE: [blank]			
ENGIN. BY: [blank] DATE: [blank]			
PROD. BY: [blank] DATE: [blank]			
TITLE: PLANKER STACK BOARD			
SCALE: 1:1		NUMBER: 619	REV.:
SHEET: 1A			

6619 ICS



NOTES:
 1. CUT LATERPILLER GROMMET DEC 90070221
 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 900B907)
 FOLLOW DIRECTIONS FOR NON-PERMANENT
 BONDS ON BACK OF CAN. PLACE THE
 GROMMET OVER 1725 TRANSFORMERS
 WITH CUTOUT TOOTH OVER CAPACITOR
 C40.

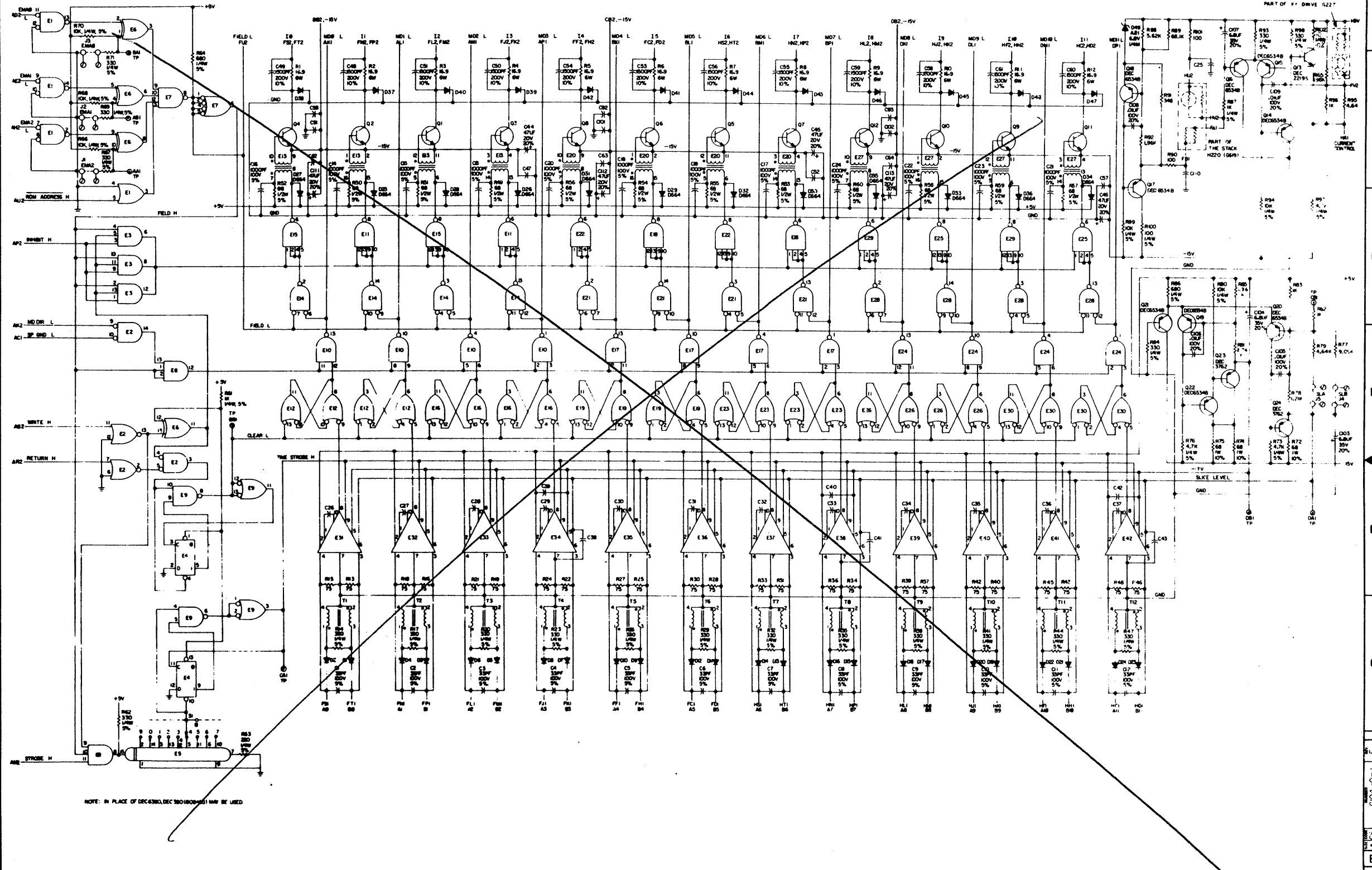
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	QTY
1	R102	RES. 10K, 1/4W, 10%	1300170	62
11		SPLIT LUGS	9004795	61
1	R81	RES. 274, 8W, 1/2, 100 MFP	1304858	60
1	R81	SCOTCH GRIP ADHESIVE	9008907	35
1	R81	CATERPILLER GROMMET	9007022	58
1	R90, R101	ASSY DRILLING HOLE LAYOUT - AH-G04-0-547		56
1	R90, R101	RES. 100, 1/8W, 1%, 100 MFP	1302858	55
1	R90, R101	WIRE #22 AWG SOLID BUS	9107500-01	54
1	R90, R101	SPACER (CABLE CLAMP)	1202704	53
1	R90, R101	EYELET #654-11 E.B. STIMPSON	9006750	52
1	E6	I.C. DEC 7486	1910011	51
1	E10, E17, E24	I.C. DEC 8881	1904706	50
1	E14, E21, E28	I.C. DEC 384	1904486	49
1	E2	I.C. DEC 6380	1909471	48
1	E3, E6	I.C. DEC 74H11	1909267	47
1	E9	I.C. DEC 74HOON	1909056	46
1	E11, E15, E18, E22, E25, E29	I.C. DEC 7440N	1905586	45
1	E7	I.C. DEC 7440N	1905574	44
1	E12, E16, E19, E23, E26, E30	I.C. DEC 7400N	1905575	43
1	E4	I.C. DEC 7474N	1905547	42
1	E31-E42	I.C. MC 1540G	1905521	41
1	E5	100MS DELAY LINE	1610033-0	40
1	E13, E20, E27	PULSE TRANSFORMER	1609886	39
1	T1-T12	TRANSFORMER 172-S	1609478	38
1	Q1-Q12	TRANSISTOR DEC 3734	150062	37
1	Q23, Q24	TRANSISTOR DEC 3762	1504649	36
1	Q14-Q22	TRANSISTOR DEC 6534-B	1503409-01	35
1	Q13	TRANSISTOR DEC 2219-S	150881	34
1	R1-R12	RES. 169, 6W, 1%	1309679	33
1	R49-R60	RES. 68, 1/2W, 5% CC	1309405	32
1	R89	RES. 68, 1/4W, 1%, 100 MFP	1305252	31
1	R88	RES. 5.62K, 1/8W, 1%, 100 MFP	1305128	30
1	R91	RES. 348, 1/8W, 1%, 100 MFP	1304858	29
1	R79, R95	RES. 464K, 1/8W, 1%, 100 MFP	1304856	28
1	R77	RES. 9.09K, 1/8W, 1%, 100 MFP	1304855	27
1	R65, R92, R85	RES. 1.96K, 1/8W, 1%, 100 MFP	1304833	26
1	R82, R83, R96	RES. 1K, 1/8W, 1%, 100 MFP	1303114	25
1	R78	RES. 1.21K, 1/8W, 1%, 100 MFP	1302871	24
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
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	R4, 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
1	R72, R74, R75	RES. 68, 1/4W, 10% CC	1300222	16
1	S1	ROTARY SWITCH	1210043-0	15
2	D49	HANDLE FLIP SWP - GREEN	1300637-01	14
1	D1-D24, D37-D48	DIODE 1/4W, 6.8A21	1105891	13
12	D25-D36	DIODE D672	1105275	12
12	D25-D36	DIODE D664	1100114	11
32	C25-C43, C47, C52, C57, C62-C64, C94-C98, C101, C102, C110	CAP. .047MFD 16V 20% DISC	1009678	10
33	C45-C49, C94, C96, C99, C105, C106, C108, C109	CAP. .01MFD 100V 20% DISC	100610	9
6	C44-C46, C111-C113	CAP. 47MFD 20V 20% S. TANT	1000079	8
7	C95, C97, C100, C103, C104, C107, C114	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	PCB	ETCHED CIRCUIT BOARD	5008647	3
1	REF	MODULE ECO HISTORY	8-M-624-9-6	2
1	REF	X-Y COORDINATE HOLE LOCATION	K-CO-G04-9-4	1

ITEM NO	AMC	FROM PT	TO PT
55	22	J5-A	J5-B
		J4-A	J4-B
		J3-A	J3-B
		J2-A	J2-B
		J1-A	J1-B

DATE	BY	DESCRIPTION
DEC 3734	SAME	CIRCUIT SCH REVISION
DEC 3762	SAME	
DEC 6534-B	MP54534	
DEC 2219-S	2N 2219	
14 M 6.8A2	IN4099	
D672	IN3653	
D664	IN3G06	

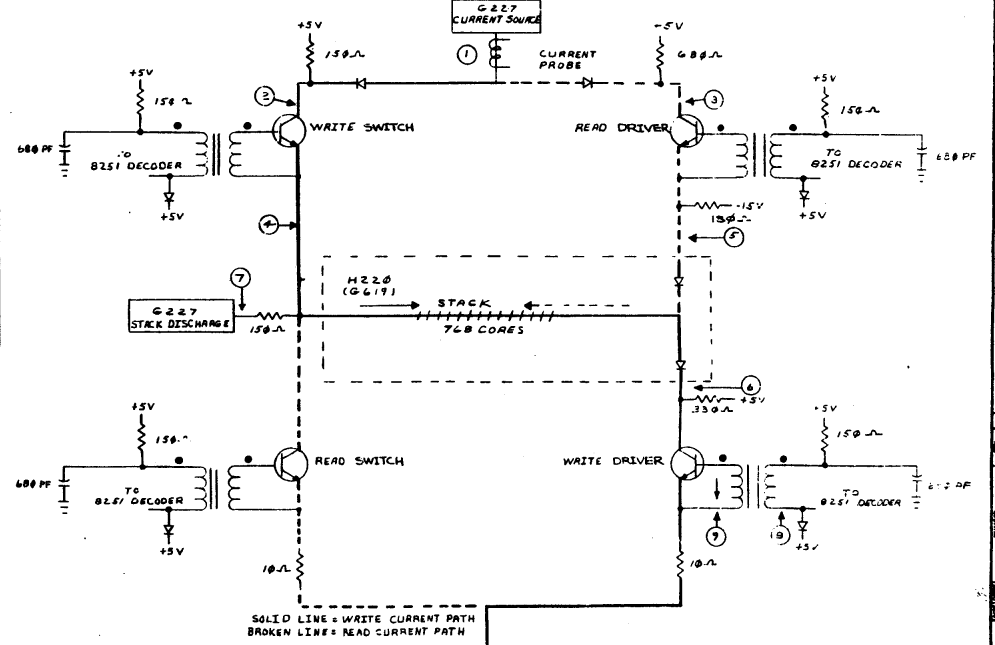
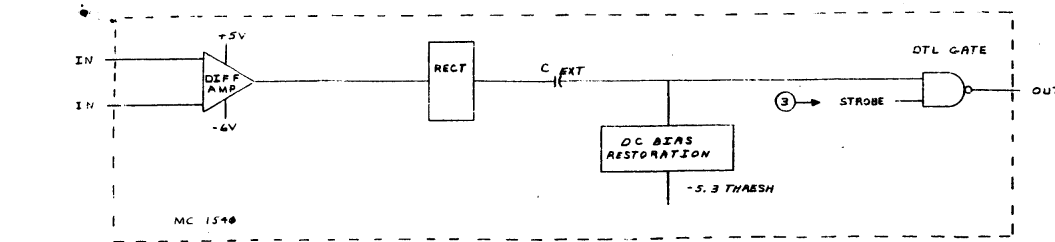
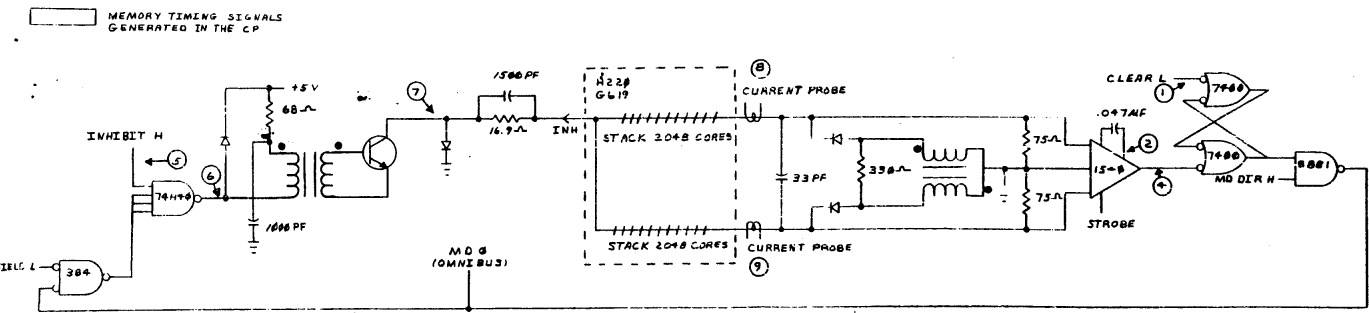
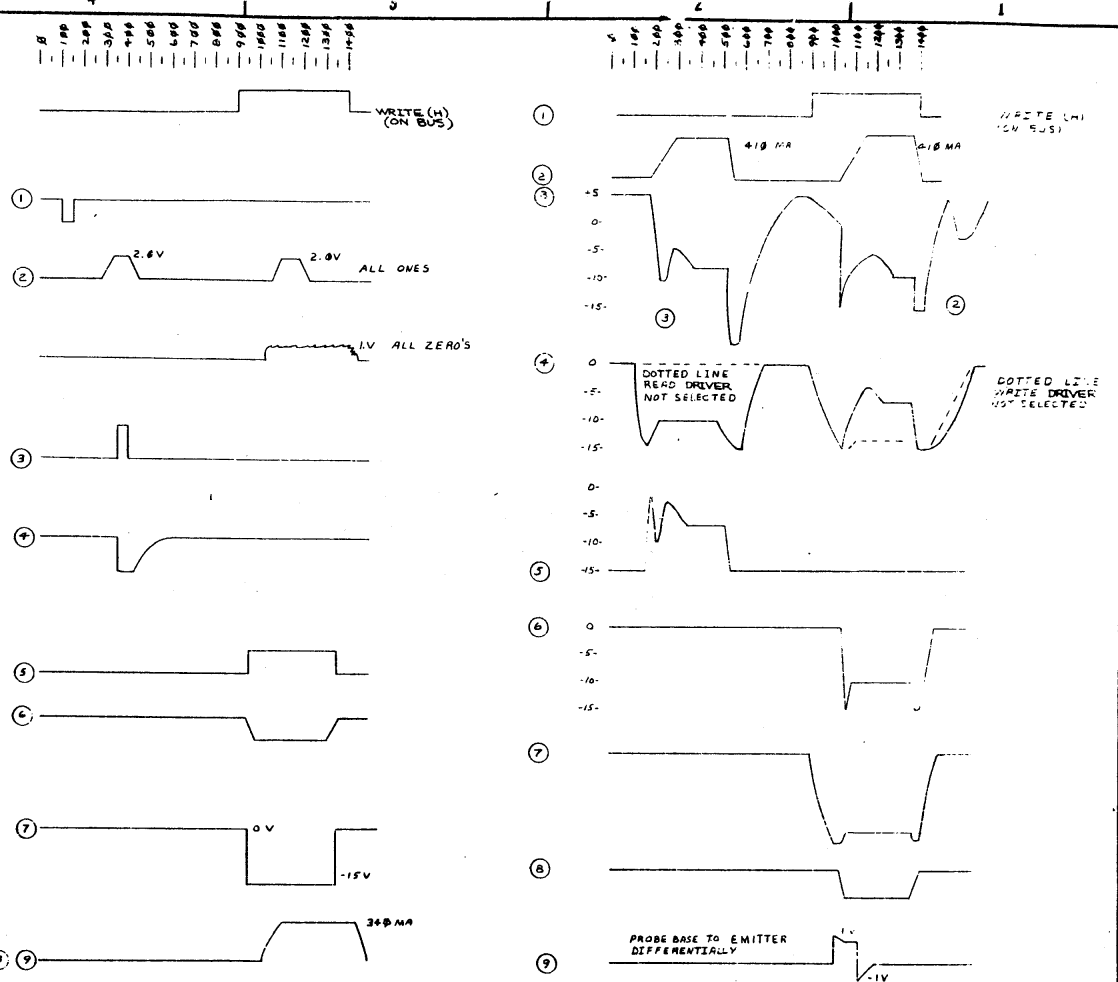
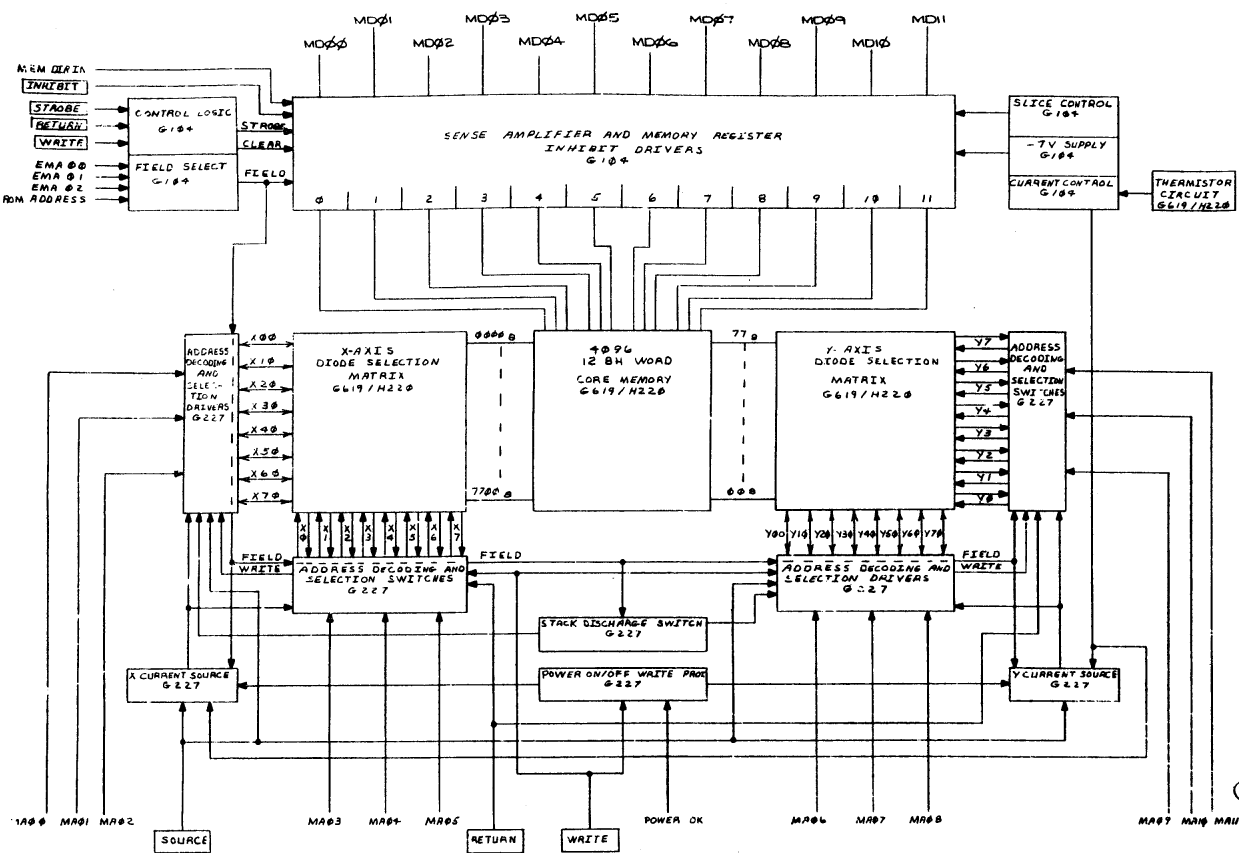
REV	DESCRIPTION	DATE	BY
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62	REVISED		

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QTY	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED			
DRAWN BY: MACE			
DATE: 7/29/54			
TOLERANCES: UNLESS OTHERWISE SPECIFIED			
DIMENSIONS: UNLESS OTHERWISE SPECIFIED			
MATERIAL: UNLESS OTHERWISE SPECIFIED			
FINISH: UNLESS OTHERWISE SPECIFIED			
SCALE: SHEET 2 OF 2			
PARTS LIST			
DIGITAL EQUIPMENT CORPORATION			
SENSE INHIBIT			
SIZE CODE: ELS			
NUMBER: GIO4-C-1			
REV.:			

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FIRST USED ON	QTY	DESCRIPTION	PART NO.	REV.
MM8-E				
DATE	REV.	DATE	REV.	
BLOCK DIAGRAM TIMING				
MM8-E				
EQUIPMENT CORPORATION				
A-ML-MM8-E				
SCALE NONE				
SHEET 1 OF 1				