

DRAWING DIRECTORY

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © . DIGITAL EQUIPMENT CORPORATION

CUSTOMER PRINT SET INDEX

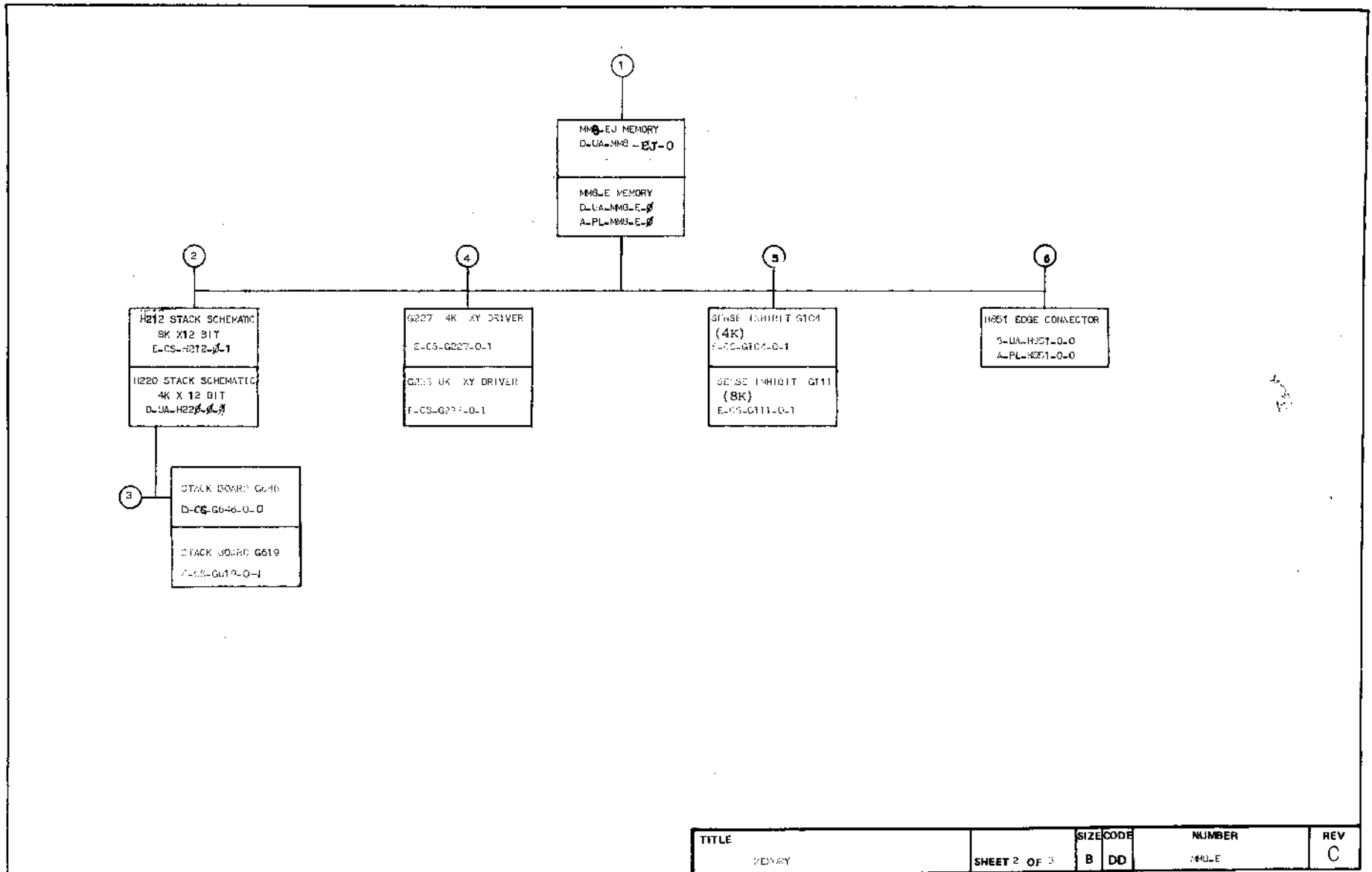
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">SEQUENCE</th> <th>MMB-1 PRINT SET</th> <th style="width: 50%;"></th> <th style="text-align: left;">SEQUENCE</th> <th>MMB-2 PRINT SET</th> </tr> <tr> <td></td> <td>BLOCK DIAGRAM 4K XY DRIVER STACK BOARD SENSE INHIBIT (4K) MEMORY ASSY (4K) MEMORY ASSY (PL) STACK 4K 12 BIT ACCESSORY LIST MMB-E ACCEPTANCE PROCEDURE</td> <td></td> <td></td> <td>BLOCK DIAGRAM 8K XY DRIVER 8K SENSE INHIBIT 8K STACK SCHEMATIC MEMORY (8K) ACCESSORY LIST 12 BIT STACK BOARD MMB-EJ & MMS-EH ACCEPTANCE PROCEDURE (P.S.)</td> </tr> </table>	SEQUENCE	MMB-1 PRINT SET		SEQUENCE	MMB-2 PRINT SET		BLOCK DIAGRAM 4K XY DRIVER STACK BOARD SENSE INHIBIT (4K) MEMORY ASSY (4K) MEMORY ASSY (PL) STACK 4K 12 BIT ACCESSORY LIST MMB-E ACCEPTANCE PROCEDURE			BLOCK DIAGRAM 8K XY DRIVER 8K SENSE INHIBIT 8K STACK SCHEMATIC MEMORY (8K) ACCESSORY LIST 12 BIT STACK BOARD MMB-EJ & MMS-EH ACCEPTANCE PROCEDURE (P.S.)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">SEQUENCE</th> <th>A-S-P-MMB-E-J-1</th> </tr> <tr> <td></td> <td>MFG SET</td> </tr> <tr> <td></td> <td>MANUFACTURING PROC.</td> </tr> <tr> <td></td> <td>MMB-EJ & MMS-EH MANUFACTURING PROCEDURE (ON LINE)</td> </tr> <tr> <td></td> <td>MMB-EJ & MMS-EH TRST PROCEDURE (OFF LINE)</td> </tr> <tr> <td></td> <td>PURCHASE SPEC.</td> </tr> <tr> <td></td> <td>PURCHASE SPEC.</td> </tr> <tr> <td></td> <td>ENGINEERING SPEC.</td> </tr> </table> </td> </tr> </table>		<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">SEQUENCE</th> <th>A-S-P-MMB-E-J-1</th> </tr> <tr> <td></td> <td>MFG SET</td> </tr> <tr> <td></td> <td>MANUFACTURING PROC.</td> </tr> <tr> <td></td> <td>MMB-EJ & MMS-EH MANUFACTURING PROCEDURE (ON LINE)</td> </tr> <tr> <td></td> <td>MMB-EJ & MMS-EH TRST PROCEDURE (OFF LINE)</td> </tr> <tr> <td></td> <td>PURCHASE SPEC.</td> </tr> <tr> <td></td> <td>PURCHASE SPEC.</td> </tr> <tr> <td></td> <td>ENGINEERING SPEC.</td> </tr> </table>	SEQUENCE	A-S-P-MMB-E-J-1		MFG SET		MANUFACTURING PROC.		MMB-EJ & MMS-EH MANUFACTURING PROCEDURE (ON LINE)		MMB-EJ & MMS-EH TRST PROCEDURE (OFF LINE)		PURCHASE SPEC.		PURCHASE SPEC.		ENGINEERING SPEC.
SEQUENCE	MMB-1 PRINT SET		SEQUENCE	MMB-2 PRINT SET																									
	BLOCK DIAGRAM 4K XY DRIVER STACK BOARD SENSE INHIBIT (4K) MEMORY ASSY (4K) MEMORY ASSY (PL) STACK 4K 12 BIT ACCESSORY LIST MMB-E ACCEPTANCE PROCEDURE			BLOCK DIAGRAM 8K XY DRIVER 8K SENSE INHIBIT 8K STACK SCHEMATIC MEMORY (8K) ACCESSORY LIST 12 BIT STACK BOARD MMB-EJ & MMS-EH ACCEPTANCE PROCEDURE (P.S.)																									
	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">SEQUENCE</th> <th>A-S-P-MMB-E-J-1</th> </tr> <tr> <td></td> <td>MFG SET</td> </tr> <tr> <td></td> <td>MANUFACTURING PROC.</td> </tr> <tr> <td></td> <td>MMB-EJ & MMS-EH MANUFACTURING PROCEDURE (ON LINE)</td> </tr> <tr> <td></td> <td>MMB-EJ & MMS-EH TRST PROCEDURE (OFF LINE)</td> </tr> <tr> <td></td> <td>PURCHASE SPEC.</td> </tr> <tr> <td></td> <td>PURCHASE SPEC.</td> </tr> <tr> <td></td> <td>ENGINEERING SPEC.</td> </tr> </table>	SEQUENCE	A-S-P-MMB-E-J-1		MFG SET		MANUFACTURING PROC.		MMB-EJ & MMS-EH MANUFACTURING PROCEDURE (ON LINE)		MMB-EJ & MMS-EH TRST PROCEDURE (OFF LINE)		PURCHASE SPEC.		PURCHASE SPEC.		ENGINEERING SPEC.												
SEQUENCE	A-S-P-MMB-E-J-1																												
	MFG SET																												
	MANUFACTURING PROC.																												
	MMB-EJ & MMS-EH MANUFACTURING PROCEDURE (ON LINE)																												
	MMB-EJ & MMS-EH TRST PROCEDURE (OFF LINE)																												
	PURCHASE SPEC.																												
	PURCHASE SPEC.																												
	ENGINEERING SPEC.																												

THIS IS PRINT SET

UNIV VARIATIONS		PRINT SET	
		MMB-1	MMB-2
VAR	TITLE		
MMB-E	4K 12 BIT MEMORY	X	
MMB-EJ	8K 12 BIT MEMORY		X

REVISIONS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">DATE</th> <th style="width: 10%;">CHG. NO.</th> <th style="width: 10%;">REV</th> <th style="width: 10%;">BY</th> <th style="width: 10%;">APP.</th> <th style="width: 10%;">REASON</th> <th style="width: 10%;">DATE</th> <th style="width: 10%;">BY</th> <th style="width: 10%;">APP.</th> <th style="width: 10%;">REASON</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	DATE	CHG. NO.	REV	BY	APP.	REASON	DATE	BY	APP.	REASON											<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">USED ON OPTION/MODEL</th> <th>DRN.</th> <th>DATE</th> <th rowspan="2">TITLE</th> <th rowspan="2">SIZE</th> <th rowspan="2">CODE</th> <th rowspan="2">NUMBER</th> <th rowspan="2">REV</th> </tr> <tr> <td> </td> <td> </td> <td>F. CARBERRY</td> <td>2-17-72</td> <td rowspan="2">MEMORY DRAWING DIRECTORY</td> <td rowspan="2">B</td> <td rowspan="2">DD</td> <td rowspan="2">MMB-E</td> <td rowspan="2">C</td> </tr> <tr> <td> </td> <td> </td> <td>CHK'D.</td> <td>DATE</td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td>J. KALAGHER</td> <td>6-6-72</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td>PROJ. ENG.</td> <td>DATE</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td>W. COATES</td> <td>6-21-72</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td>PROD.</td> <td>DATE</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td>W. COATES</td> <td>6-21-72</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td>FIELD SERV.</td> <td>DATE</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td>W. COATES</td> <td>6-21-72</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	USED ON OPTION/MODEL		DRN.	DATE	TITLE	SIZE	CODE	NUMBER	REV			F. CARBERRY	2-17-72	MEMORY DRAWING DIRECTORY	B	DD	MMB-E	C			CHK'D.	DATE							J. KALAGHER	6-6-72								PROJ. ENG.	DATE								W. COATES	6-21-72								PROD.	DATE								W. COATES	6-21-72								FIELD SERV.	DATE								W. COATES	6-21-72						<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">SHEET</td> <td style="width: 10%;">1</td> <td style="width: 10%;">OF</td> <td style="width: 10%;">3</td> </tr> </table>	SHEET	1	OF	3
DATE	CHG. NO.	REV	BY	APP.	REASON	DATE	BY	APP.	REASON																																																																																																											
USED ON OPTION/MODEL		DRN.	DATE	TITLE	SIZE	CODE	NUMBER	REV																																																																																																												
		F. CARBERRY	2-17-72						MEMORY DRAWING DIRECTORY	B	DD	MMB-E	C																																																																																																							
		CHK'D.	DATE																																																																																																																	
		J. KALAGHER	6-6-72																																																																																																																	
		PROJ. ENG.	DATE																																																																																																																	
		W. COATES	6-21-72																																																																																																																	
		PROD.	DATE																																																																																																																	
		W. COATES	6-21-72																																																																																																																	
		FIELD SERV.	DATE																																																																																																																	
		W. COATES	6-21-72																																																																																																																	
SHEET	1	OF	3																																																																																																																	

DEC 14 1980 1062:14N:R72



CUSTOMER PRINT SET						MEDICAL							
MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
X	1	E-BD-MMB-E-1 A-SP-MMB-E-2	A	21	BLOCK DIAGRAM TIMING	OFFLINE	X	1	A-AL-MMB-E-3 A-SP-MMB-E-4	B	1	ACCESSORY SHIPPING LIST ENGINEERING SPECIFICATION	
X	2	F-CS-R212-0-1	#	1	STACK SCHEMATIC 4K X 12 BIT		X	2	F-CS-R212-0-1	#	2	STACK 4K 12 BIT	
X	3	E-CS-G619-0-1 D-CS-G646-0-1	#	1	PLAIDR STACK SCHEMATIC 12 BIT STACK BOARD		X	3	A-PS-30100-0-0 A-PS-100-004-0-0 G-PL-2000A-0-0	#	#	PURCHASE SPEC PURCHASE SPEC COVER PLATE	
X	4	E-CS-G227-0-1 E-CS-G233-0-1	#	5	4K XY DRIVER BOARD 4K XY DRIVER BOARD			4	G-PL-2000A-0-0 A-PL-100-0-0 B-PL-000071-1-0 C-PL-000000-0-0			EDGE CONNECTOR EDGE CONNECTOR PL RULER 36 FOR RLWORK RICH BOARD	
X	5	F-CS-G104-0-1 E-CS-G111-0-1	#	2	SLICE LIMIT 4K DISEMPOWER BOARD								

TITLE: MMB-EH TEST PROCEDURE SHEET OF 21 SIZE: B CODE: DD NUMBER: 108 REV: C

+ For write
- For read

X current source

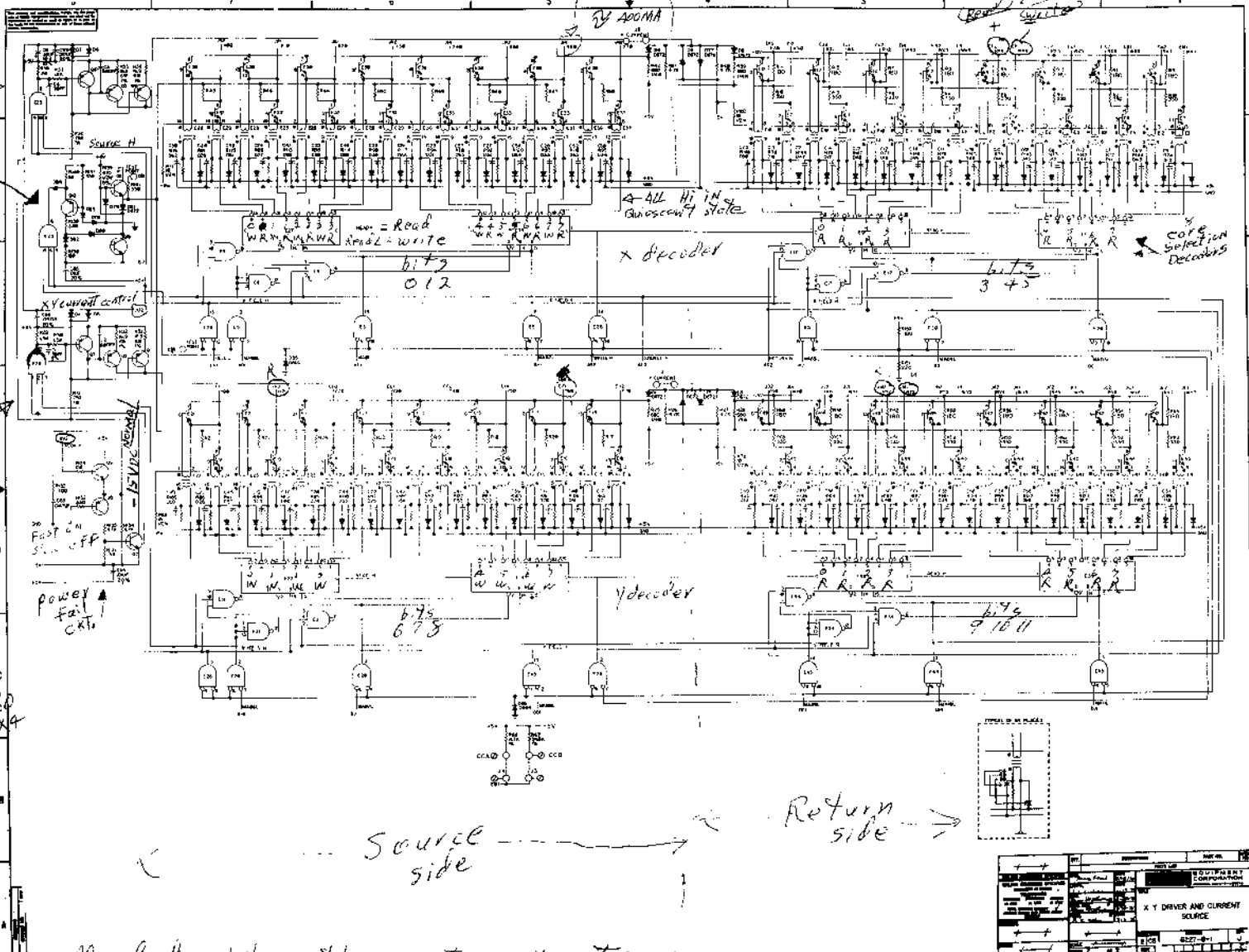
Bias Driver controls stack plate

slow turn on and fast shut off for write + read current

Y current source

power fail ckt.

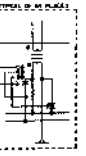
Decade 64
Read Source = 3PI X60
Write = FR X4



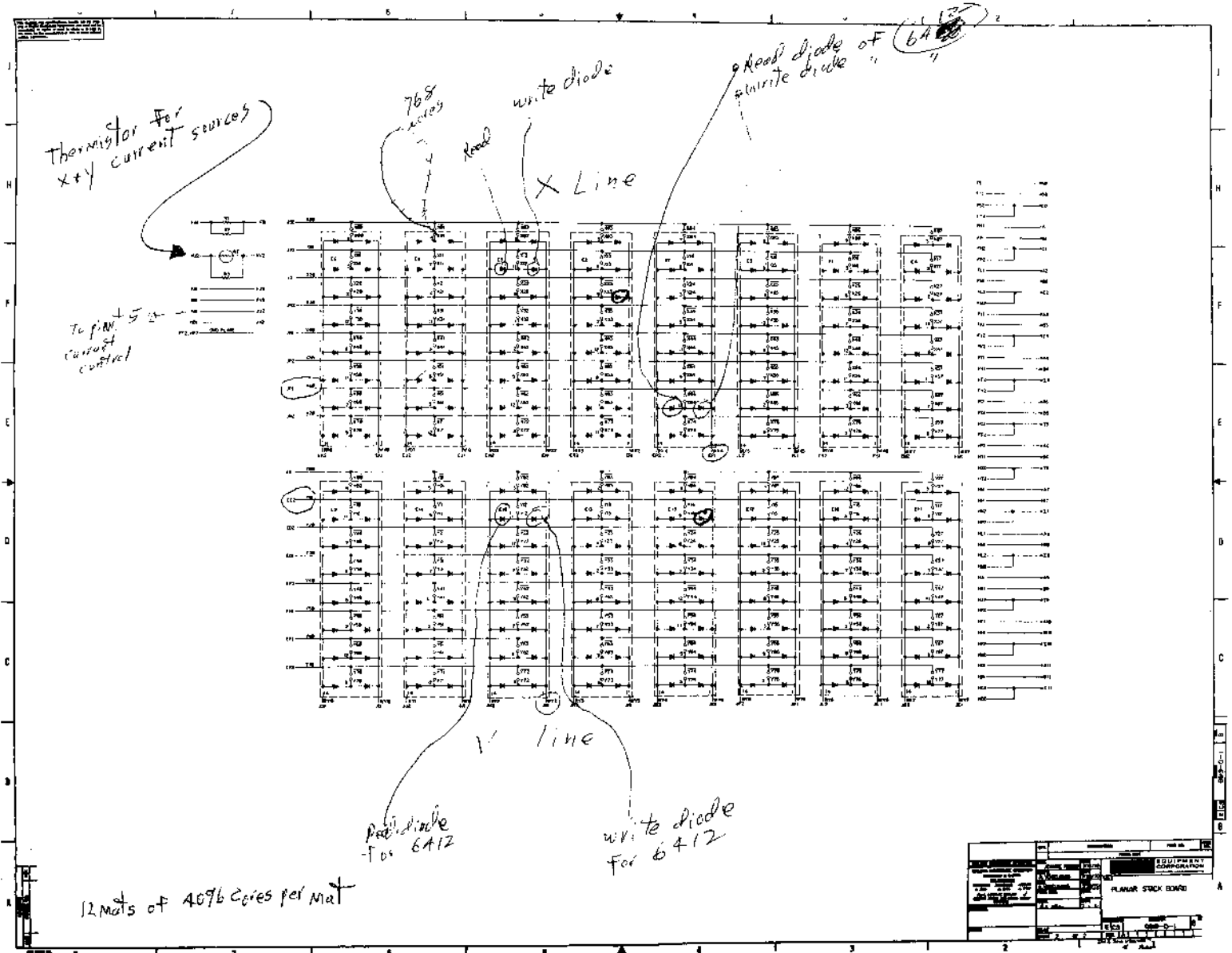
Source side

Return side

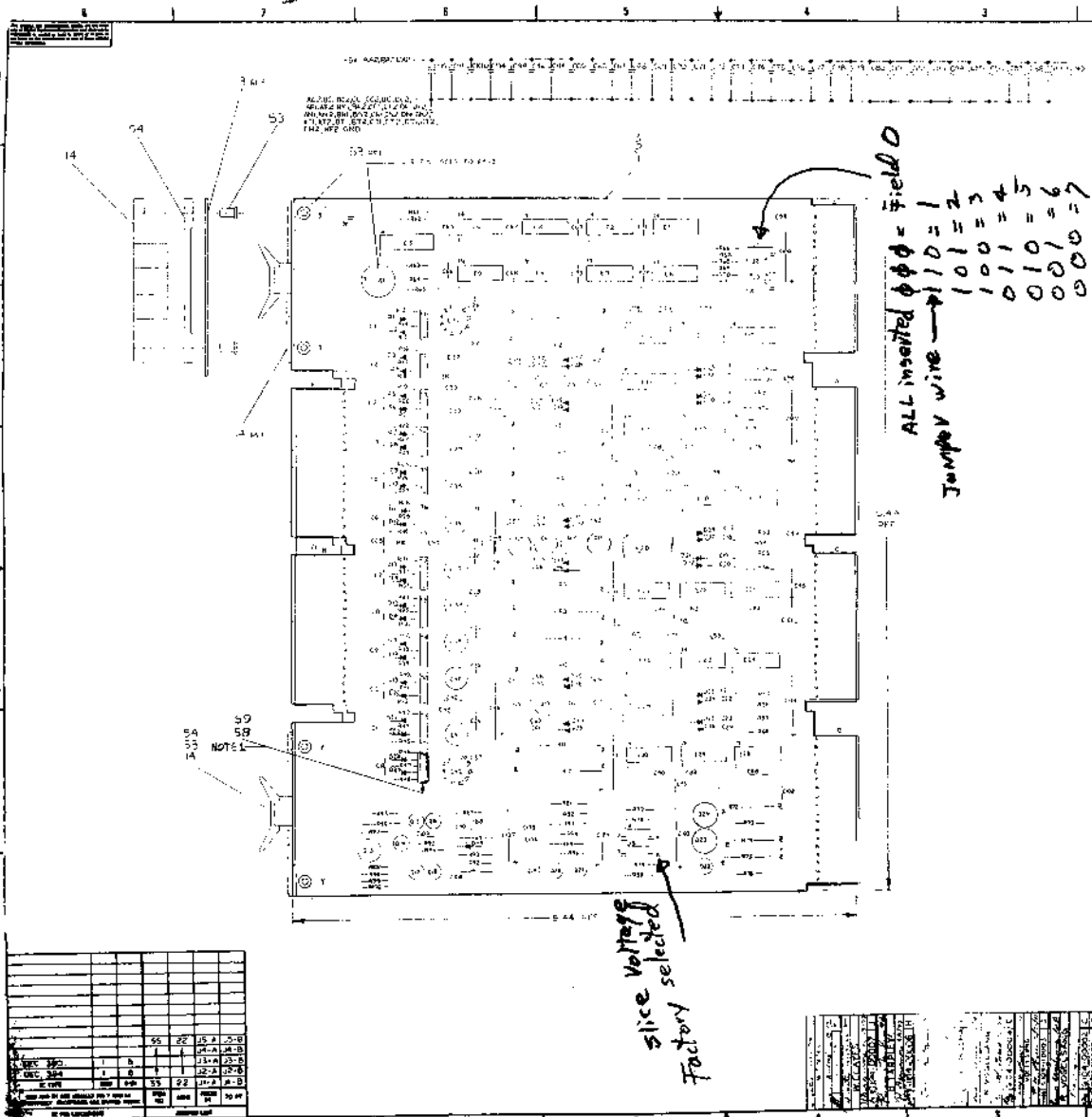
address decoding select on switches, X current source, Y current source, and stack discharge switch - power on/off protection ckt.



AK G 227



G619



NOTES:
 1. CAT WATERPILLAR PROGRAM (DEC 9007622)
 FOR LOCAL ON LINE SIDE CUT TOOTH CUT 2-96
 FROM ONE END IN EACH END 35KAY WITH
 SOLID THERM ADHESIVE NO. 77 (DEC 900800)
 FOLLOW DIRECTIONS FOR BOND PERMANENT
 ADHESION ON BACK OF CAL. PLATE THE
 PROGRAM OVER 225 TRANSFORMERS
 WITH CUTOUT TOOTH OVER CAPACITOR
 C40.
 2. 960 IS DETERMINED BY THE VOLTAGE AT PIN
 14 WITH RESPECT TO 12V

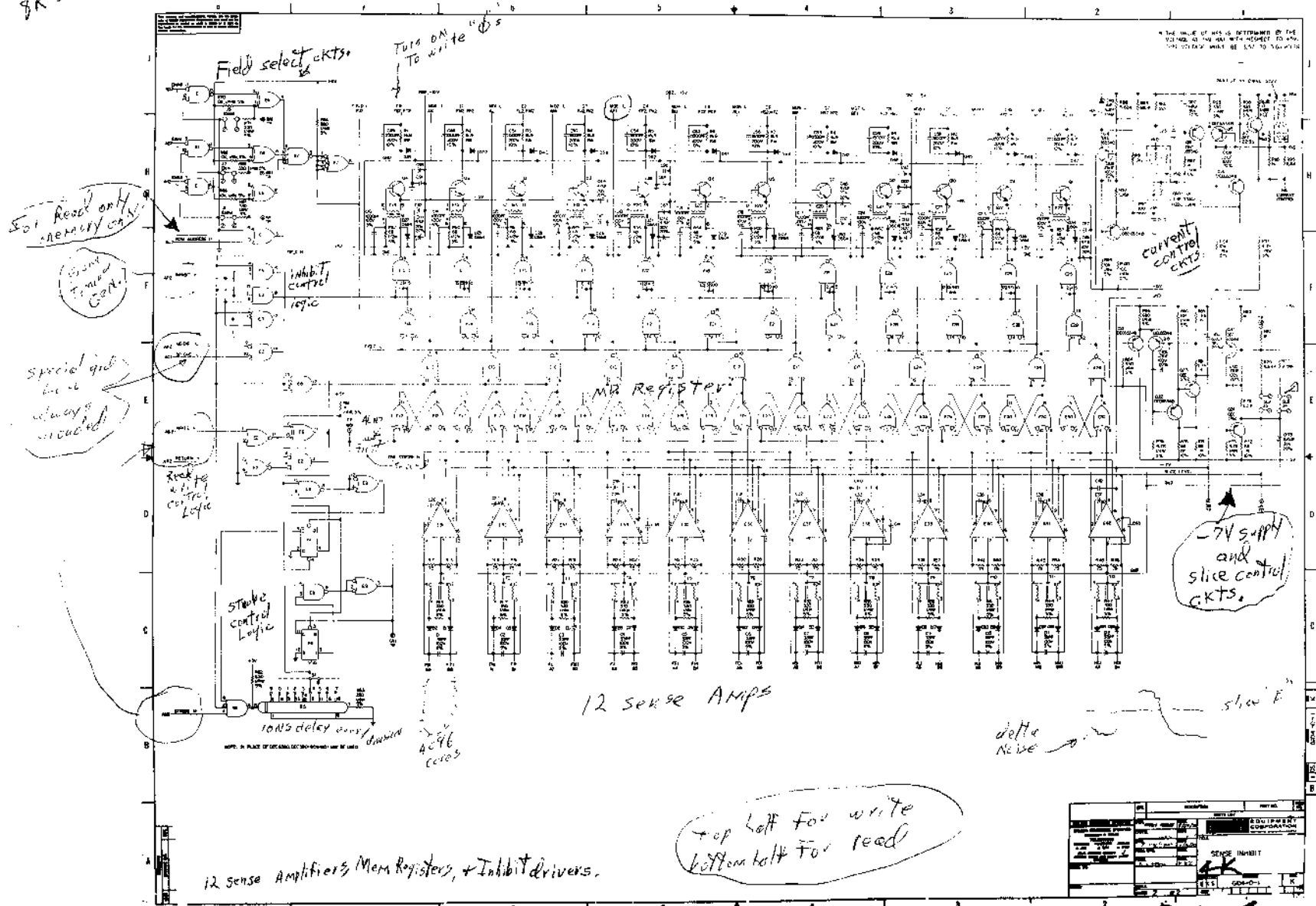
NO.	DESCRIPTION	QTY	UNIT	REMARKS
1	RESISTOR	100	Ω	100Ω
2	RESISTOR	100	Ω	100Ω
3	RESISTOR	100	Ω	100Ω
4	RESISTOR	100	Ω	100Ω
5	RESISTOR	100	Ω	100Ω
6	RESISTOR	100	Ω	100Ω
7	RESISTOR	100	Ω	100Ω
8	RESISTOR	100	Ω	100Ω
9	RESISTOR	100	Ω	100Ω
10	RESISTOR	100	Ω	100Ω
11	RESISTOR	100	Ω	100Ω
12	RESISTOR	100	Ω	100Ω
13	RESISTOR	100	Ω	100Ω
14	RESISTOR	100	Ω	100Ω
15	RESISTOR	100	Ω	100Ω
16	RESISTOR	100	Ω	100Ω
17	RESISTOR	100	Ω	100Ω
18	RESISTOR	100	Ω	100Ω
19	RESISTOR	100	Ω	100Ω
20	RESISTOR	100	Ω	100Ω
21	RESISTOR	100	Ω	100Ω
22	RESISTOR	100	Ω	100Ω
23	RESISTOR	100	Ω	100Ω
24	RESISTOR	100	Ω	100Ω
25	RESISTOR	100	Ω	100Ω
26	RESISTOR	100	Ω	100Ω
27	RESISTOR	100	Ω	100Ω
28	RESISTOR	100	Ω	100Ω
29	RESISTOR	100	Ω	100Ω
30	RESISTOR	100	Ω	100Ω
31	RESISTOR	100	Ω	100Ω
32	RESISTOR	100	Ω	100Ω
33	RESISTOR	100	Ω	100Ω
34	RESISTOR	100	Ω	100Ω
35	RESISTOR	100	Ω	100Ω
36	RESISTOR	100	Ω	100Ω
37	RESISTOR	100	Ω	100Ω
38	RESISTOR	100	Ω	100Ω
39	RESISTOR	100	Ω	100Ω
40	RESISTOR	100	Ω	100Ω
41	RESISTOR	100	Ω	100Ω
42	RESISTOR	100	Ω	100Ω
43	RESISTOR	100	Ω	100Ω
44	RESISTOR	100	Ω	100Ω
45	RESISTOR	100	Ω	100Ω
46	RESISTOR	100	Ω	100Ω
47	RESISTOR	100	Ω	100Ω
48	RESISTOR	100	Ω	100Ω
49	RESISTOR	100	Ω	100Ω
50	RESISTOR	100	Ω	100Ω
51	RESISTOR	100	Ω	100Ω
52	RESISTOR	100	Ω	100Ω
53	RESISTOR	100	Ω	100Ω
54	RESISTOR	100	Ω	100Ω
55	RESISTOR	100	Ω	100Ω
56	RESISTOR	100	Ω	100Ω
57	RESISTOR	100	Ω	100Ω
58	RESISTOR	100	Ω	100Ω
59	RESISTOR	100	Ω	100Ω
60	RESISTOR	100	Ω	100Ω
61	RESISTOR	100	Ω	100Ω
62	RESISTOR	100	Ω	100Ω
63	RESISTOR	100	Ω	100Ω
64	RESISTOR	100	Ω	100Ω
65	RESISTOR	100	Ω	100Ω
66	RESISTOR	100	Ω	100Ω
67	RESISTOR	100	Ω	100Ω
68	RESISTOR	100	Ω	100Ω
69	RESISTOR	100	Ω	100Ω
70	RESISTOR	100	Ω	100Ω
71	RESISTOR	100	Ω	100Ω
72	RESISTOR	100	Ω	100Ω
73	RESISTOR	100	Ω	100Ω
74	RESISTOR	100	Ω	100Ω
75	RESISTOR	100	Ω	100Ω
76	RESISTOR	100	Ω	100Ω
77	RESISTOR	100	Ω	100Ω
78	RESISTOR	100	Ω	100Ω
79	RESISTOR	100	Ω	100Ω
80	RESISTOR	100	Ω	100Ω
81	RESISTOR	100	Ω	100Ω
82	RESISTOR	100	Ω	100Ω
83	RESISTOR	100	Ω	100Ω
84	RESISTOR	100	Ω	100Ω
85	RESISTOR	100	Ω	100Ω
86	RESISTOR	100	Ω	100Ω
87	RESISTOR	100	Ω	100Ω
88	RESISTOR	100	Ω	100Ω
89	RESISTOR	100	Ω	100Ω
90	RESISTOR	100	Ω	100Ω
91	RESISTOR	100	Ω	100Ω
92	RESISTOR	100	Ω	100Ω
93	RESISTOR	100	Ω	100Ω
94	RESISTOR	100	Ω	100Ω
95	RESISTOR	100	Ω	100Ω
96	RESISTOR	100	Ω	100Ω
97	RESISTOR	100	Ω	100Ω
98	RESISTOR	100	Ω	100Ω
99	RESISTOR	100	Ω	100Ω
100	RESISTOR	100	Ω	100Ω

NO.	DESCRIPTION	QTY	UNIT	REMARKS
1	RESISTOR	100	Ω	100Ω
2	RESISTOR	100	Ω	100Ω
3	RESISTOR	100	Ω	100Ω
4	RESISTOR	100	Ω	100Ω
5	RESISTOR	100	Ω	100Ω
6	RESISTOR	100	Ω	100Ω
7	RESISTOR	100	Ω	100Ω
8	RESISTOR	100	Ω	100Ω
9	RESISTOR	100	Ω	100Ω
10	RESISTOR	100	Ω	100Ω
11	RESISTOR	100	Ω	100Ω
12	RESISTOR	100	Ω	100Ω
13	RESISTOR	100	Ω	100Ω
14	RESISTOR	100	Ω	100Ω
15	RESISTOR	100	Ω	100Ω
16	RESISTOR	100	Ω	100Ω
17	RESISTOR	100	Ω	100Ω
18	RESISTOR	100	Ω	100Ω
19	RESISTOR	100	Ω	100Ω
20	RESISTOR	100	Ω	100Ω
21	RESISTOR	100	Ω	100Ω
22	RESISTOR	100	Ω	100Ω
23	RESISTOR	100	Ω	100Ω
24	RESISTOR	100	Ω	100Ω
25	RESISTOR	100	Ω	100Ω
26	RESISTOR	100	Ω	100Ω
27	RESISTOR	100	Ω	100Ω
28	RESISTOR	100	Ω	100Ω
29	RESISTOR	100	Ω	100Ω
30	RESISTOR	100	Ω	100Ω
31	RESISTOR	100	Ω	100Ω
32	RESISTOR	100	Ω	100Ω
33	RESISTOR	100	Ω	100Ω
34	RESISTOR	100	Ω	100Ω
35	RESISTOR	100	Ω	100Ω
36	RESISTOR	100	Ω	100Ω
37	RESISTOR	100	Ω	100Ω
38	RESISTOR	100	Ω	100Ω
39	RESISTOR	100	Ω	100Ω
40	RESISTOR	100	Ω	100Ω
41	RESISTOR	100	Ω	100Ω
42	RESISTOR	100	Ω	100Ω
43	RESISTOR	100	Ω	100Ω
44	RESISTOR	100	Ω	100Ω
45	RESISTOR	100	Ω	100Ω
46	RESISTOR	100	Ω	100Ω
47	RESISTOR	100	Ω	100Ω
48	RESISTOR	100	Ω	100Ω
49	RESISTOR	100	Ω	100Ω
50	RESISTOR	100	Ω	100Ω
51	RESISTOR	100	Ω	100Ω
52	RESISTOR	100	Ω	100Ω
53	RESISTOR	100	Ω	100Ω
54	RESISTOR	100	Ω	100Ω
55	RESISTOR	100	Ω	100Ω
56	RESISTOR	100	Ω	100Ω
57	RESISTOR	100	Ω	100Ω
58	RESISTOR	100	Ω	100Ω
59	RESISTOR	100	Ω	100Ω
60	RESISTOR	100	Ω	100Ω
61	RESISTOR	100	Ω	100Ω
62	RESISTOR	100	Ω	100Ω
63	RESISTOR	100	Ω	100Ω
64	RESISTOR	100	Ω	100Ω
65	RESISTOR	100	Ω	100Ω
66	RESISTOR	100	Ω	100Ω
67	RESISTOR	100	Ω	100Ω
68	RESISTOR	100	Ω	100Ω
69	RESISTOR	100	Ω	100Ω
70	RESISTOR	100	Ω	100Ω
71	RESISTOR	100	Ω	100Ω
72	RESISTOR	100	Ω	100Ω
73	RESISTOR	100	Ω	100Ω
74	RESISTOR	100	Ω	100Ω
75	RESISTOR	100	Ω	100Ω
76	RESISTOR	100	Ω	100Ω
77	RESISTOR	100	Ω	100Ω
78	RESISTOR	100	Ω	100Ω
79	RESISTOR	100	Ω	100Ω
80	RESISTOR	100	Ω	100Ω
81	RESISTOR	100	Ω	100Ω
82	RESISTOR	100	Ω	100Ω
83	RESISTOR	100	Ω	100Ω
84	RESISTOR	100	Ω	100Ω
85	RESISTOR	100	Ω	100Ω
86	RESISTOR	100	Ω	100Ω
87	RESISTOR	100	Ω	100Ω
88	RESISTOR	100	Ω	100Ω
89	RESISTOR	100	Ω	100Ω
90	RESISTOR	100	Ω	100Ω
91	RESISTOR	100	Ω	100Ω
92	RESISTOR	100	Ω	100Ω
93	RESISTOR	100	Ω	100Ω
94	RESISTOR	100	Ω	100Ω
95	RESISTOR	100	Ω	100Ω
96	RESISTOR	100	Ω	100Ω
97	RESISTOR	100	Ω	100Ω
98	RESISTOR	100	Ω	100Ω
99	RESISTOR	100	Ω	100Ω
100	RESISTOR	100	Ω	100Ω

G104

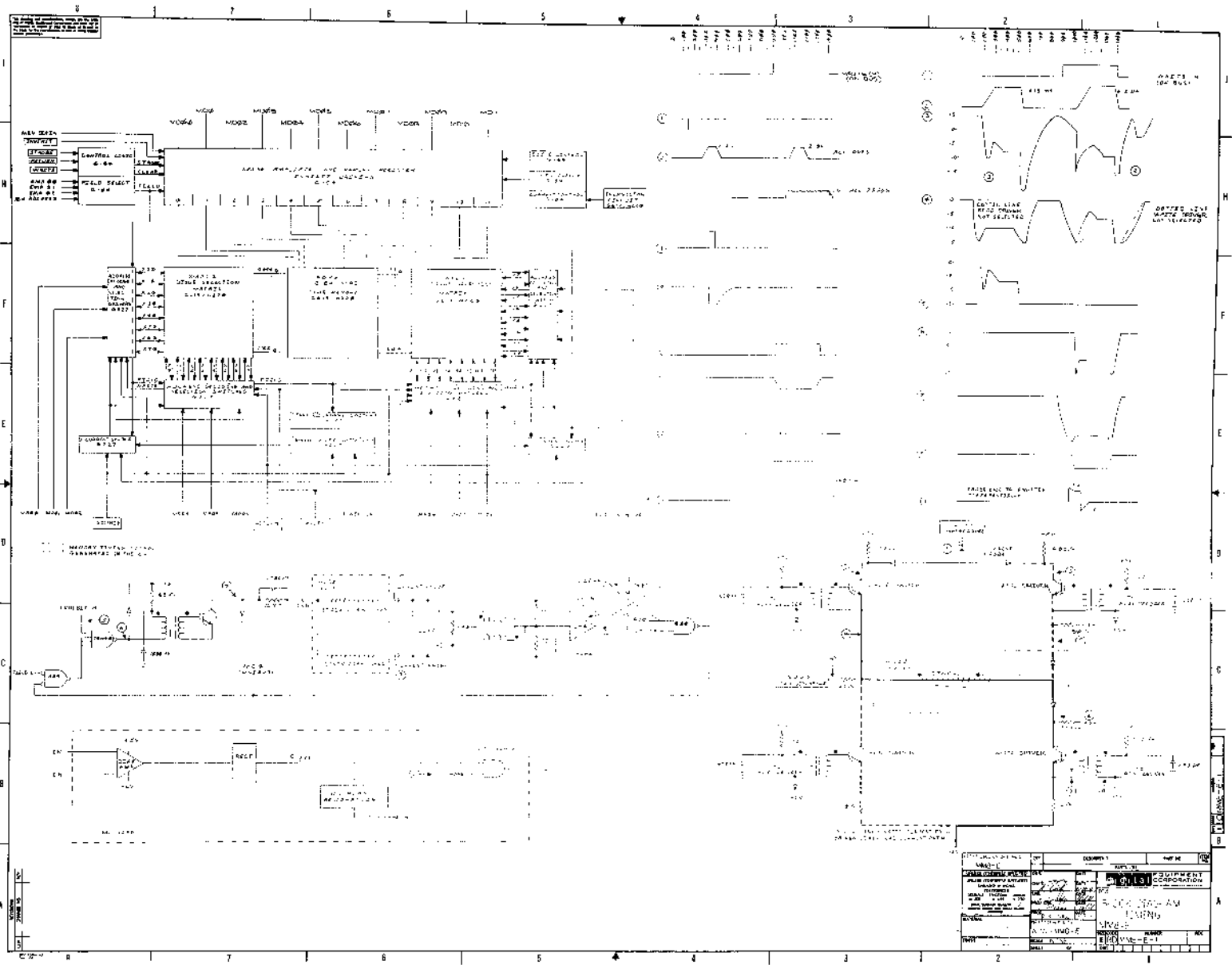
8K stack ignores bit 12
012

(8K stack: Leave right jumper in all the TIME.)



Top Left for write
bottom left for read

G104



REVISION	DATE	BY	DESCRIPTION
1	10/15/64	J. J. GIBSON	ISSUED FOR FABRICATION
2	11/15/64	J. J. GIBSON	REVISION TO SERVO DRIVE
3	12/15/64	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
4	1/15/65	J. J. GIBSON	REVISION TO MEMORY SYSTEM
5	2/15/65	J. J. GIBSON	REVISION TO CONTROL LOGIC
6	3/15/65	J. J. GIBSON	REVISION TO MACHINE ANALYZER
7	4/15/65	J. J. GIBSON	REVISION TO SERVO MOTOR
8	5/15/65	J. J. GIBSON	REVISION TO GEAR
9	6/15/65	J. J. GIBSON	REVISION TO TABLE
10	7/15/65	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
11	8/15/65	J. J. GIBSON	REVISION TO SERVO MOTOR
12	9/15/65	J. J. GIBSON	REVISION TO GEAR
13	10/15/65	J. J. GIBSON	REVISION TO TABLE
14	11/15/65	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
15	12/15/65	J. J. GIBSON	REVISION TO SERVO MOTOR
16	1/15/66	J. J. GIBSON	REVISION TO GEAR
17	2/15/66	J. J. GIBSON	REVISION TO TABLE
18	3/15/66	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
19	4/15/66	J. J. GIBSON	REVISION TO SERVO MOTOR
20	5/15/66	J. J. GIBSON	REVISION TO GEAR
21	6/15/66	J. J. GIBSON	REVISION TO TABLE
22	7/15/66	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
23	8/15/66	J. J. GIBSON	REVISION TO SERVO MOTOR
24	9/15/66	J. J. GIBSON	REVISION TO GEAR
25	10/15/66	J. J. GIBSON	REVISION TO TABLE
26	11/15/66	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
27	12/15/66	J. J. GIBSON	REVISION TO SERVO MOTOR
28	1/15/67	J. J. GIBSON	REVISION TO GEAR
29	2/15/67	J. J. GIBSON	REVISION TO TABLE
30	3/15/67	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
31	4/15/67	J. J. GIBSON	REVISION TO SERVO MOTOR
32	5/15/67	J. J. GIBSON	REVISION TO GEAR
33	6/15/67	J. J. GIBSON	REVISION TO TABLE
34	7/15/67	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
35	8/15/67	J. J. GIBSON	REVISION TO SERVO MOTOR
36	9/15/67	J. J. GIBSON	REVISION TO GEAR
37	10/15/67	J. J. GIBSON	REVISION TO TABLE
38	11/15/67	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
39	12/15/67	J. J. GIBSON	REVISION TO SERVO MOTOR
40	1/15/68	J. J. GIBSON	REVISION TO GEAR
41	2/15/68	J. J. GIBSON	REVISION TO TABLE
42	3/15/68	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
43	4/15/68	J. J. GIBSON	REVISION TO SERVO MOTOR
44	5/15/68	J. J. GIBSON	REVISION TO GEAR
45	6/15/68	J. J. GIBSON	REVISION TO TABLE
46	7/15/68	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
47	8/15/68	J. J. GIBSON	REVISION TO SERVO MOTOR
48	9/15/68	J. J. GIBSON	REVISION TO GEAR
49	10/15/68	J. J. GIBSON	REVISION TO TABLE
50	11/15/68	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
51	12/15/68	J. J. GIBSON	REVISION TO SERVO MOTOR
52	1/15/69	J. J. GIBSON	REVISION TO GEAR
53	2/15/69	J. J. GIBSON	REVISION TO TABLE
54	3/15/69	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
55	4/15/69	J. J. GIBSON	REVISION TO SERVO MOTOR
56	5/15/69	J. J. GIBSON	REVISION TO GEAR
57	6/15/69	J. J. GIBSON	REVISION TO TABLE
58	7/15/69	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
59	8/15/69	J. J. GIBSON	REVISION TO SERVO MOTOR
60	9/15/69	J. J. GIBSON	REVISION TO GEAR
61	10/15/69	J. J. GIBSON	REVISION TO TABLE
62	11/15/69	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
63	12/15/69	J. J. GIBSON	REVISION TO SERVO MOTOR
64	1/15/70	J. J. GIBSON	REVISION TO GEAR
65	2/15/70	J. J. GIBSON	REVISION TO TABLE
66	3/15/70	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
67	4/15/70	J. J. GIBSON	REVISION TO SERVO MOTOR
68	5/15/70	J. J. GIBSON	REVISION TO GEAR
69	6/15/70	J. J. GIBSON	REVISION TO TABLE
70	7/15/70	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
71	8/15/70	J. J. GIBSON	REVISION TO SERVO MOTOR
72	9/15/70	J. J. GIBSON	REVISION TO GEAR
73	10/15/70	J. J. GIBSON	REVISION TO TABLE
74	11/15/70	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
75	12/15/70	J. J. GIBSON	REVISION TO SERVO MOTOR
76	1/15/71	J. J. GIBSON	REVISION TO GEAR
77	2/15/71	J. J. GIBSON	REVISION TO TABLE
78	3/15/71	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
79	4/15/71	J. J. GIBSON	REVISION TO SERVO MOTOR
80	5/15/71	J. J. GIBSON	REVISION TO GEAR
81	6/15/71	J. J. GIBSON	REVISION TO TABLE
82	7/15/71	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
83	8/15/71	J. J. GIBSON	REVISION TO SERVO MOTOR
84	9/15/71	J. J. GIBSON	REVISION TO GEAR
85	10/15/71	J. J. GIBSON	REVISION TO TABLE
86	11/15/71	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
87	12/15/71	J. J. GIBSON	REVISION TO SERVO MOTOR
88	1/15/72	J. J. GIBSON	REVISION TO GEAR
89	2/15/72	J. J. GIBSON	REVISION TO TABLE
90	3/15/72	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
91	4/15/72	J. J. GIBSON	REVISION TO SERVO MOTOR
92	5/15/72	J. J. GIBSON	REVISION TO GEAR
93	6/15/72	J. J. GIBSON	REVISION TO TABLE
94	7/15/72	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
95	8/15/72	J. J. GIBSON	REVISION TO SERVO MOTOR
96	9/15/72	J. J. GIBSON	REVISION TO GEAR
97	10/15/72	J. J. GIBSON	REVISION TO TABLE
98	11/15/72	J. J. GIBSON	REVISION TO POSITIONING SYSTEM
99	12/15/72	J. J. GIBSON	REVISION TO SERVO MOTOR
100	1/15/73	J. J. GIBSON	REVISION TO GEAR