

LEGEND

PART NO.	VARIATION
H7100-0	BASIC UNIT
H7100-A	115 VAC
H7100-B	230 VAC

WIRE TABLE

ITEM NO.	DESCRIPTION	FROM	TO	REMARKS
14	BLACK	TI-1	TB2-2	
14	BLACK	TI-2	TB2-2	
14	BLACK	TI-6	TB2-2	
14	BLACK	TI-7	TB2-2	
14	BLACK	TI-8	TB2-2	
14	BLACK	TI-9	TB2-2	
18	BROWN	RI-2	TB2-2	
18	BLACK	RI-2	TB2-2	
18	RED	RI-2	TB2-2	
14	BLUE	20	BI-1	
14	BLUE	21	BI-1	
14	BLUE	22	BI-2	
14	BLUE	23	BI-2	
14	BLUE	24	BI-2	
14	BLACK	3	BI-1	
14	BLACK	2	BI-1	
18	ORANGE	RI-1	TB2-5	

- NOTES:
1. AFTER PLACING ITEM 4 ON STUDS USE FLAT WASHER AND HEX NUTS AS SHOWN. TIGHTEN HEX NUTS TO 22 IN. LBS.
 2. INSTALL COVER (ITEMS 3) OVER MOTHER BOARD USING SPLIT LOCK AND KEYPIN ONLY AS SHOWN. TIGHTEN TO 22 IN. LBS.
 3. APPLY U LABEL (ITEM 25) ON FRONT COVER BETWEEN MALE RECP. AND MATE-N-LOCK CONN.

REV.	DATE	DESCRIPTION
1		INITIAL DESIGN
2		REVISED TO ADD PARTS LIST
3		REVISED TO ADD WIRE TABLE
4		REVISED TO ADD DIMENSIONS
5		REVISED TO ADD MATERIALS
6		REVISED TO ADD FINISHES
7		REVISED TO ADD TOLERANCES

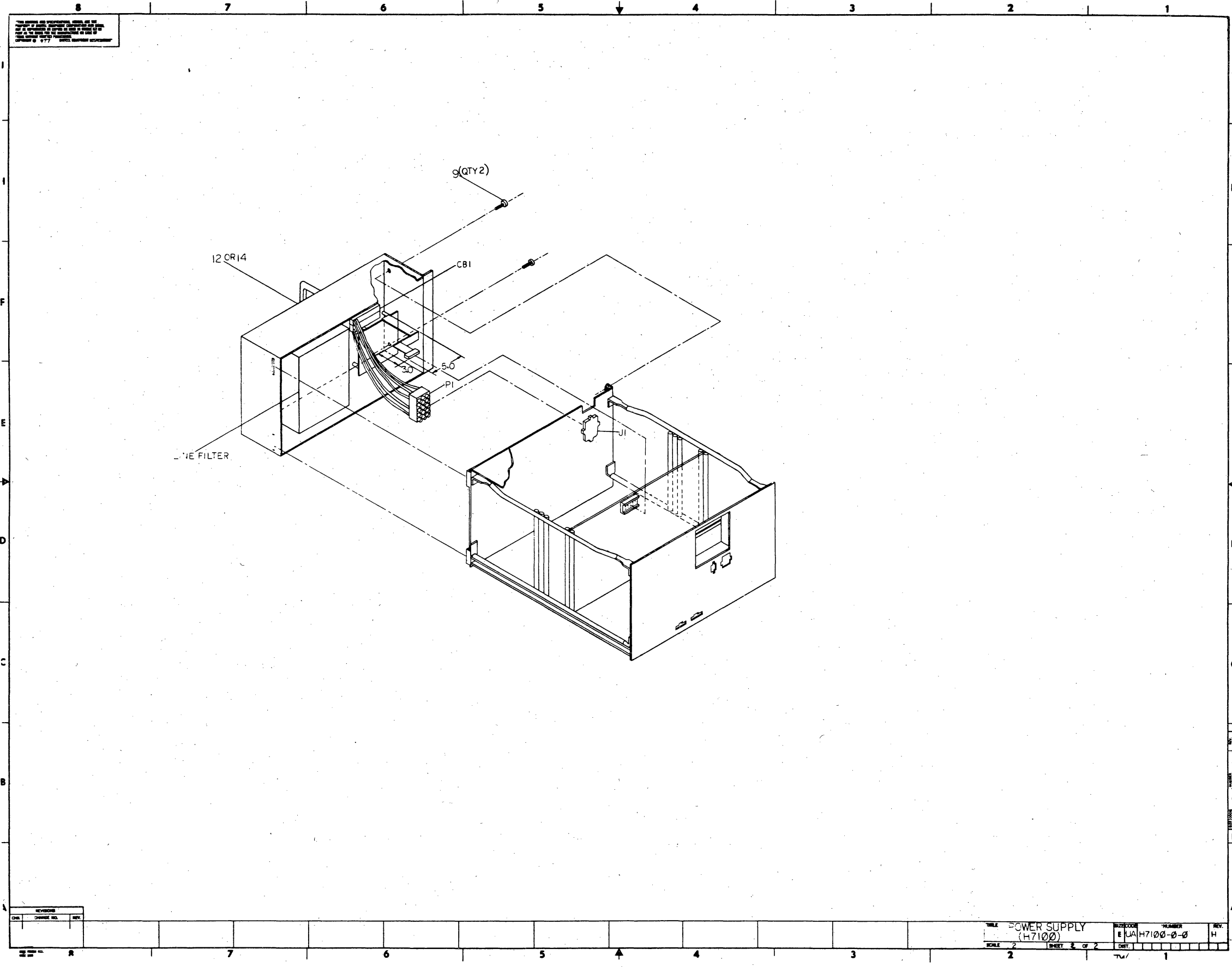
CAUTION: SEE OFF SHEET PARTS LIST K-PL-H7100-0-DBP (233154-PLS)

DESCRIPTION	QTY	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLE			
CLAS. OF ACCURACY			
SURFACE QUALITY			
QUANTITY & VARIATION			
QUANTITY			
VARIATION			
DRN. BY			
CHKD. BY			
PROL. ENG. BY			
PROD. BY			
NEXT HIGHER AUTH.			
SCALE			
SHEET			

POWER SUPPLY (H7100)

SCALE 1/2

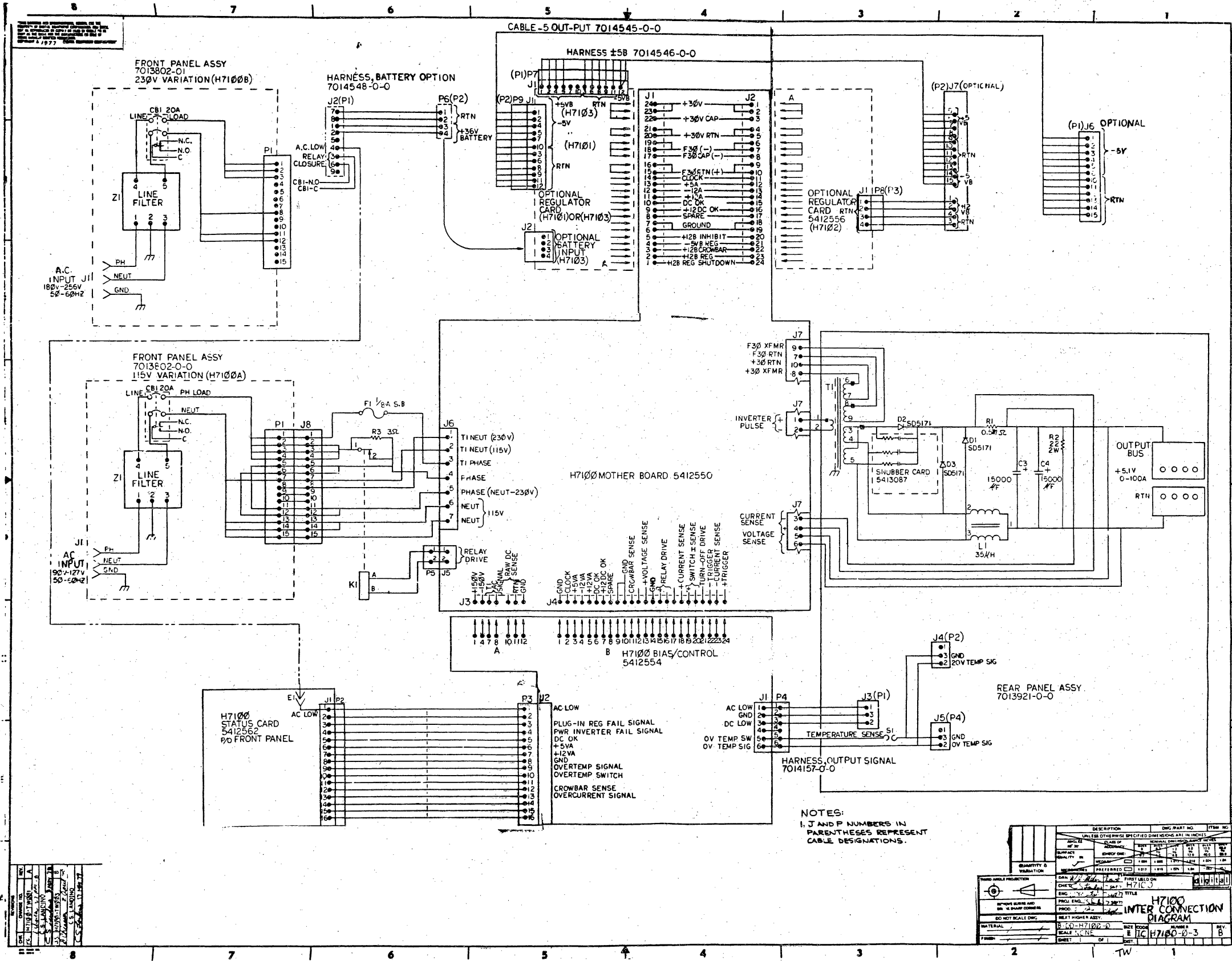
SHEET 2 OF 2



ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES
 DECIMALS TO THREE PLACES
 FRACTIONS TO SIXTEENTHS
 PARTS TO BE USED AS SHOWN

REV.	DESCRIPTION

TITLE	POWER SUPPLY (H7100)	SIZE/DRAWING	NUMBER	REV.
SCALE	2	SHEET	2 OF 2	H
DATE				

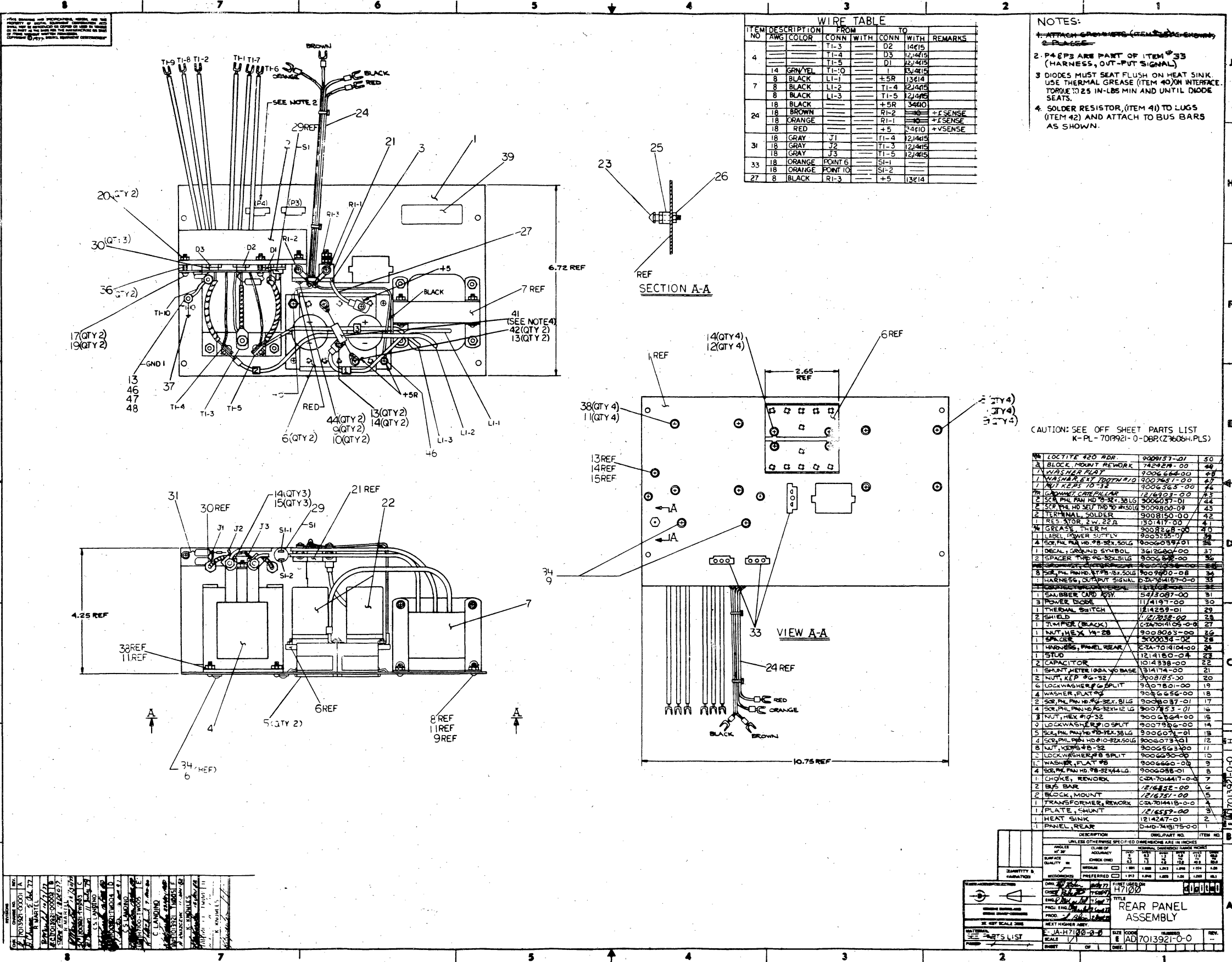


REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PRODUCTION	11/18/77
2	REVISED TO CORRECT DIMENSIONS	12/1/77
3	REVISED TO CORRECT DIMENSIONS	12/1/77
4	REVISED TO CORRECT DIMENSIONS	12/1/77
5	REVISED TO CORRECT DIMENSIONS	12/1/77
6	REVISED TO CORRECT DIMENSIONS	12/1/77
7	REVISED TO CORRECT DIMENSIONS	12/1/77
8	REVISED TO CORRECT DIMENSIONS	12/1/77

NOTES:
 1. J AND P NUMBERS IN PARENTHESES REPRESENT CABLE DESIGNATIONS.

DATE	11/18/77	DESIGNER	J. J. J.
PROJ. NO.	77-200-1	CHECKED	J. J. J.
REV. NO.	1	DATE	11/18/77
TITLE		H7100 INTER CONNECTION DIAGRAM	
MATERIAL		REV. B	
DRAWN		SCALE	



WIRE TABLE

ITEM NO	DESCRIPTION	FROM	TO	REMARKS
AWG	COLOR	CONN WITH	CONN WITH	
4		TI-3	D2	14415
14	GRN/YEL	TI-5	D1	121415
8	BLACK	LI-1	+5R	13414
8	BLACK	LI-2	TI-4	121415
8	BLACK	LI-3	TI-5	121415
18	BROWN	R1-2		+ISENSE
18	BROWN	R1-1		+ISENSE
18	RED		+5	+VSENSE
18	GRAY	J1	TI-4	121415
18	GRAY	J2	TI-3	121415
18	GRAY	J3	TI-5	121415
18	ORANGE	POINT 6	SI-1	
18	ORANGE	POINT 10	SI-2	
27	8 BLACK	R1-3	+5	13414

- NOTES:**
- ATTACH SCREWERS (ITEM 33) TO PANEL AS SHOWN.
 - 4 P4EBS ARE PART OF ITEM 33 (HARNESS, OUT-PUT SIGNAL).
 - DIODES MUST SEAT FLUSH ON HEAT SINK. USE THERMAL GREASE (ITEM 40) ON INTERFACE. TORQUE TO 25 IN-LBS MIN AND UNTIL DIODE SEATS.
 - SOLDER RESISTOR (ITEM 41) TO LUGS (ITEM 42) AND ATTACH TO BUS BARS AS SHOWN.

CAUTION: SEE OFF SHEET PARTS LIST
K-PL-70R921-0-D8R(Z760SH,PLS)

1	LOCTITE 420 ADH	900953-01	50
2	BLOCK MOUNT REWORK	742928-05	49
3	WASHER FLAT	900664-00	48
4	WASHER FLAT TIGHTEN	9007651-00	47
5	NUT HEX #0-32	9006365-00	46
6	LOCKWASHER #8 SPLIT	121415-00	45
7	SCR. PH. PAN. HD #8-32X.38LG	9006057-01	44
8	SCR. PH. HD SEL. THD #8-32X.50LG	9009800-09	43
9	TERMINAL SOLDER	9008150-00	42
10	RES. STOR. 2W. 22Ω	330419-00	41
11	GREASE, THERM.	9008248-00	40
12	LABEL, POWER SUPPLY	9005755-01	39
13	SCR. PH. PAN. HD #8-32X.50LG	9006059-01	38
14	DEAL. CARBOND SYMBOL	3612600-00	37
15	SPACER TYP. #8-32X.50LG	9006365-00	36
16	SCR. PH. PAN. HD #8-32X.50LG	9006057-01	35
17	HARNESS, OUTPUT SIGNAL	03A-701415-00	34
18	SCR. PH. PAN. HD #8-32X.50LG	9006057-01	33
19	WASHER FLAT	900664-00	32
20	LOCKWASHER #8 SPLIT	121415-00	31
21	POWER DIODE	1114191-00	30
22	TERMINAL SWITCH	1214259-01	29
23	SHIELD	1114258-00	28
24	TERMINAL SWITCH	1214259-01	27
25	NUT, HEX #0-32	9006365-00	26
26	SP. CR.	9006365-00	25
27	HARNESS, PANEL REAR	03A-701415-00	24
28	STUD	1214150-04	23
29	CAPACITOR	1014338-00	22
30	SCR. PH. PAN. HD #8-32X.50LG	9006057-01	21
31	NUT, HEX #0-32	9006365-00	20
32	LOCKWASHER #8 SPLIT	121415-00	19
33	WASHER FLAT	900664-00	18
34	SCR. PH. PAN. HD #8-32X.50LG	9006057-01	17
35	SCR. PH. PAN. HD #8-32X.50LG	9006057-01	16
36	NUT, HEX #0-32	9006365-00	15
37	LOCKWASHER #8 SPLIT	121415-00	14
38	SCR. PH. PAN. HD #8-32X.50LG	9006057-01	13
39	NUT, HEX #0-32	9006365-00	12
40	LOCKWASHER #8 SPLIT	121415-00	11
41	WASHER FLAT	900664-00	10
42	SCR. PH. PAN. HD #8-32X.50LG	9006057-01	9
43	CHOKER, REWORK	03A-701415-00	8
44	BUS BAR	1214258-00	7
45	BLOCK MOUNT	1214259-01	6
46	TRANSFORMER, REWORK	03A-701415-00	5
47	PLATE, SHUNT	1214247-01	4
48	HEAT SINK	1214247-01	3
49	PANEL, REAR	03A-701415-00	2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

AMT	CLASS OF ADJUST	SIZE	TYPE	ST	LT	HT	WT	HT	WT	HT	WT
1	1	1	1	1	1	1	1	1	1	1	1

DATE: 11/10/50
 TITLE: REAR PANEL ASSEMBLY
 SCALE: 1/1
 SHEET: 1 OF 1
 PARTS LIST

1	03A-701415-00	REAR PANEL ASSEMBLY
2	03A-701415-00	REAR PANEL ASSEMBLY
3	03A-701415-00	REAR PANEL ASSEMBLY
4	03A-701415-00	REAR PANEL ASSEMBLY
5	03A-701415-00	REAR PANEL ASSEMBLY
6	03A-701415-00	REAR PANEL ASSEMBLY
7	03A-701415-00	REAR PANEL ASSEMBLY
8	03A-701415-00	REAR PANEL ASSEMBLY
9	03A-701415-00	REAR PANEL ASSEMBLY
10	03A-701415-00	REAR PANEL ASSEMBLY
11	03A-701415-00	REAR PANEL ASSEMBLY
12	03A-701415-00	REAR PANEL ASSEMBLY
13	03A-701415-00	REAR PANEL ASSEMBLY
14	03A-701415-00	REAR PANEL ASSEMBLY
15	03A-701415-00	REAR PANEL ASSEMBLY
16	03A-701415-00	REAR PANEL ASSEMBLY
17	03A-701415-00	REAR PANEL ASSEMBLY
18	03A-701415-00	REAR PANEL ASSEMBLY
19	03A-701415-00	REAR PANEL ASSEMBLY
20	03A-701415-00	REAR PANEL ASSEMBLY
21	03A-701415-00	REAR PANEL ASSEMBLY
22	03A-701415-00	REAR PANEL ASSEMBLY
23	03A-701415-00	REAR PANEL ASSEMBLY
24	03A-701415-00	REAR PANEL ASSEMBLY
25	03A-701415-00	REAR PANEL ASSEMBLY
26	03A-701415-00	REAR PANEL ASSEMBLY
27	03A-701415-00	REAR PANEL ASSEMBLY
28	03A-701415-00	REAR PANEL ASSEMBLY
29	03A-701415-00	REAR PANEL ASSEMBLY
30	03A-701415-00	REAR PANEL ASSEMBLY
31	03A-701415-00	REAR PANEL ASSEMBLY
32	03A-701415-00	REAR PANEL ASSEMBLY
33	03A-701415-00	REAR PANEL ASSEMBLY
34	03A-701415-00	REAR PANEL ASSEMBLY
35	03A-701415-00	REAR PANEL ASSEMBLY
36	03A-701415-00	REAR PANEL ASSEMBLY
37	03A-701415-00	REAR PANEL ASSEMBLY
38	03A-701415-00	REAR PANEL ASSEMBLY
39	03A-701415-00	REAR PANEL ASSEMBLY
40	03A-701415-00	REAR PANEL ASSEMBLY
41	03A-701415-00	REAR PANEL ASSEMBLY
42	03A-701415-00	REAR PANEL ASSEMBLY
43	03A-701415-00	REAR PANEL ASSEMBLY
44	03A-701415-00	REAR PANEL ASSEMBLY
45	03A-701415-00	REAR PANEL ASSEMBLY
46	03A-701415-00	REAR PANEL ASSEMBLY
47	03A-701415-00	REAR PANEL ASSEMBLY
48	03A-701415-00	REAR PANEL ASSEMBLY
49	03A-701415-00	REAR PANEL ASSEMBLY

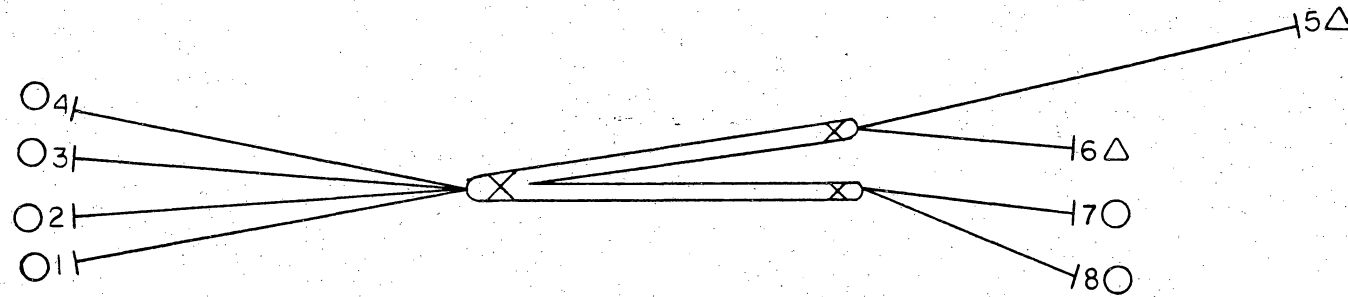
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION"

WIRE TABLE

ITEM NO	DESCRIPTION		FROM			TO		
			POINT	CONN	TERM	POINT	CONN	TERM
1	18	BROWN	1	---	5	8	---	5
2	18	ORANGE	2	---	5	7	---	5
3	18	RED	3	---	5	6	---	6
4	18	BLACK	4	---	5	5	---	6

NOTES:

1. USE CABLE TIE (X) ITEM #7 APPROXIMATELY EVERY (3) THREE INCHES WHEN NECESSARY AND AT EVERY BREAKOUT POINT.



SYMBOL	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	LABEL, CABLE IDENT	9009532-00	8
X	AR TIE, CABLE	9007031-00	7
Δ	2 TERMINAL, RING 22-16AWG	9007930-00	6
O	6 TERMINAL, SPADE TONGUE INS	9009695-04	5
AR	WIRE, 18 AWG STRD BLACK	9107360-00	4
AR	WIRE, 18 AWG STRD RED	9107360-22	3
AR	WIRE, 18 AWG STRD ORANGE	9107360-33	2
AR	WIRE, 18 AWG STRD BROWN	9107360-11	1

SYMBOL	QTY	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
			OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
		MEDIUM	±.004	±.008	±.012	±.016	±.024	±.04
		PREFERRED	±.012	±.016	±.025	±.04	±.06	±.1

REV.	CHANGE NO.	DATE	BY
A	7014104-00001	17 OCT 77	D. MARTEL

THIRD ANGLE PROJECTION	DRN. <i>[Signature]</i> 2 MAR 77	FIRST USED ON	digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD. <i>[Signature]</i> 16 AUG 77	H7100	
DO NOT SCALE DWG	ENG. <i>[Signature]</i> 20 AUG 77	TITLE	HARNESS, REAR PANEL
MATERIAL SEE PARTS LIST	PROJ. ENG. <i>[Signature]</i> 20 AUG 77	SIZE	C
FINISH	NEXT HIGHER ASSY.	CODE	IA
	E-AD-7013921-0-0	NUMBER	7014104-0-0
	SCALE 1/1	REV.	A
	SHEET OF	DIST.	

MAINTENANCE P. 108

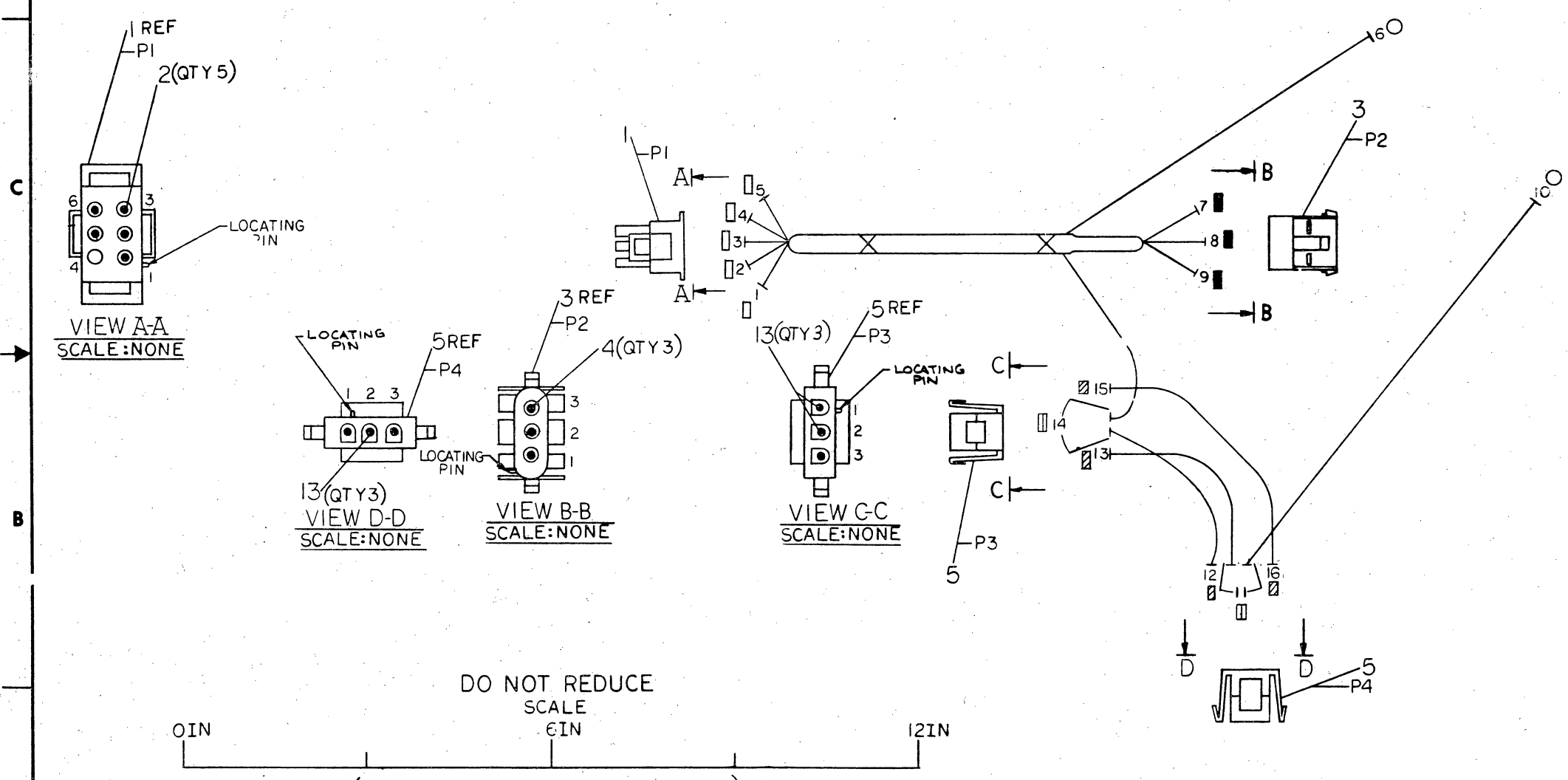
DEC FORM NO. 95 108-C

DRAWING NUMBER CTA7014104-0-0

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 © 1977, DIGITAL EQUIPMENT CORPORATION

WIRE TABLE									
ITEM NO	AWG	COLOR	FROM			TO			REMARKS
			POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	
10	18	YELLOW	1	P1-1	182	9	P2-1	384	
8	18	BLACK	2	P1-2	182	7	P2-3	384	
12	18	VIOLET	3	P1-3	182	8	P2-2	384	
9	18	ORANGE	5	P1-5	182	6		7	
11	18	GRAY	4	P1-6	182				
11	18	GRAY	12	P4-2	1385	14	P3-2	1585	
9	18	ORANGE		P4-3	1585	10		7	
11	18	GRAY	11			13	P3-3	1385	
9	18	ORANGE	16	P4-1	1385	15	P3-1	1385	

NOTES:
1. USE CABLE TIES (X) ITEM #6 APPROXIMATELY EVERY THREE (3) INCHES WHEN NECESSARY, AND AT EVERY BREAKOUT POINT.



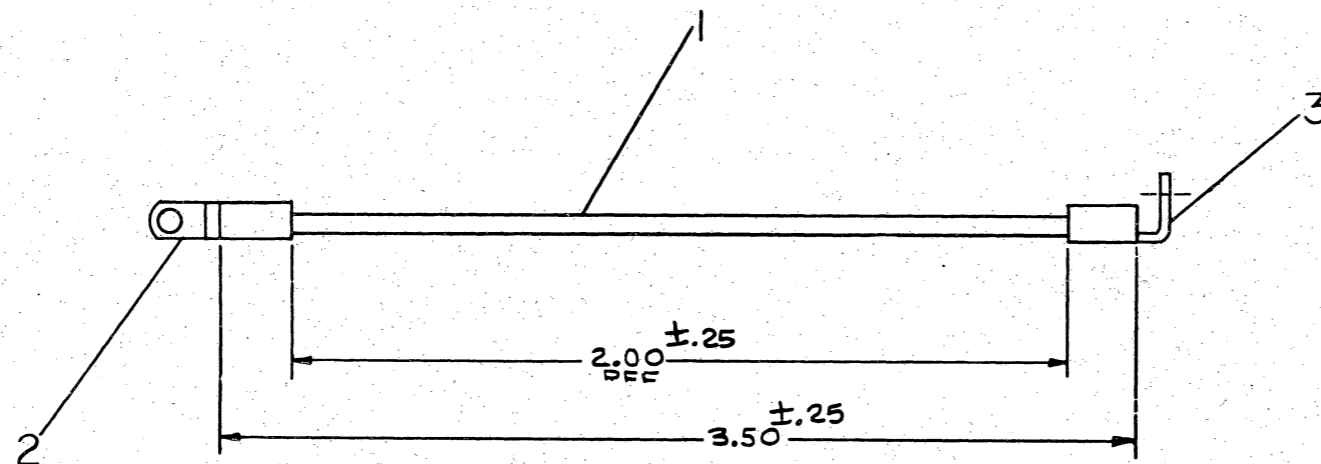
CAUTION: SEE OFF SHEET PARTS LIST
K-PL-7014157-0-DBP. (Z3347C.PLS)

QTY	DESCRIPTION	DWG. PART NO.	ITEM NO.
2	SOCKET, 16-18 AWG	1209379-07	15
1	LABEL, CABLE IDENT.	9009532-00	14
4	PIN, 14-20 AWG	1209379-00	13
4	WIRE 18 AWG STRD VIOLET	9107360-77	12
4	WIRE 18 AWG STRD GRAY	9107360-88	11
4	WIRE 18 AWG STRD YELLOW	9107360-44	10
4	WIRE 18 AWG STRD ORANGE	9107360-33	9
4	WIRE 18 AWG STRD BLACK	9107360-00	8
2	TERMINAL, QUICK CONNECT	9007970-00	7
4	TIE, CABLE	9007091-00	6
2	HOUSING, 3 PIN SOCKET	1209350-03	5
3	PIN, 14-20 AWG	1212169-00	4
1	CAP, 3 PIN UNIVERSAL	1212168-00	3
5	SOCKET, 14-20 AWG	1212170-00	2
1	PLUG, 6 PIN HOUSING	1212167-00	1

<p>THIRD ANGLE PROJECTION</p> <p>REMOVE BURRS AND BREAK SHARP CORNERS</p> <p>DO NOT SCALE DWG</p> <p>MATERIAL SEE PARTS LIST</p> <p>FINISH</p>	<p>DRN: <i>[Signature]</i></p> <p>CHK: <i>[Signature]</i></p> <p>ENG: <i>[Signature]</i></p> <p>PROJ. ENGR: <i>[Signature]</i></p>	<p>FIRST USED ON H7100</p> <p>TITLE HARNESS OUTPUT-SIGNAL</p> <p>NEXT HIGHER ASSY. E-AD-7013921-0-0</p> <p>SCALE 1/1</p>																																																																																														
	<p>QUANTITY & VARIATION</p> <p>SYMBOL</p>	<p>CLASS OF ACCURACY</p> <p>CHECK ONE</p> <p>MEDIUM</p> <p>PREFERRED</p>	<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p> <table border="1"> <tr> <th rowspan="2">NOMINAL DIMENSION RANGE</th> <th colspan="2">PRACTICES</th> </tr> <tr> <th>OVER TO</th> <th>UNDER TO</th> </tr> <tr> <td>0.125</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.125 TO 0.250</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.250 TO 0.375</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.375 TO 0.500</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.500 TO 0.750</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.750 TO 1.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1.000 TO 1.500</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1.500 TO 2.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>2.000 TO 3.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>3.000 TO 4.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>4.000 TO 6.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>6.000 TO 10.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>10.000 TO 18.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>18.000 TO 30.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>30.000 TO 48.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>48.000 TO 72.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>72.000 TO 108.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>108.000 TO 162.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>162.000 TO 216.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>216.000 TO 324.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>324.000 TO 486.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>486.000 TO 729.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>729.000 TO 1080.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1080.000 TO 1620.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1620.000 TO 2160.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>2160.000 TO 3240.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>3240.000 TO 4860.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>4860.000 TO 7290.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>7290.000 TO 10800.000</td> <td>0.001</td> <td>0.002</td> </tr> </table>	NOMINAL DIMENSION RANGE	PRACTICES		OVER TO	UNDER TO	0.125	0.001	0.002	0.125 TO 0.250	0.001	0.002	0.250 TO 0.375	0.001	0.002	0.375 TO 0.500	0.001	0.002	0.500 TO 0.750	0.001	0.002	0.750 TO 1.000	0.001	0.002	1.000 TO 1.500	0.001	0.002	1.500 TO 2.000	0.001	0.002	2.000 TO 3.000	0.001	0.002	3.000 TO 4.000	0.001	0.002	4.000 TO 6.000	0.001	0.002	6.000 TO 10.000	0.001	0.002	10.000 TO 18.000	0.001	0.002	18.000 TO 30.000	0.001	0.002	30.000 TO 48.000	0.001	0.002	48.000 TO 72.000	0.001	0.002	72.000 TO 108.000	0.001	0.002	108.000 TO 162.000	0.001	0.002	162.000 TO 216.000	0.001	0.002	216.000 TO 324.000	0.001	0.002	324.000 TO 486.000	0.001	0.002	486.000 TO 729.000	0.001	0.002	729.000 TO 1080.000	0.001	0.002	1080.000 TO 1620.000	0.001	0.002	1620.000 TO 2160.000	0.001	0.002	2160.000 TO 3240.000	0.001	0.002	3240.000 TO 4860.000	0.001	0.002	4860.000 TO 7290.000	0.001	0.002	7290.000 TO 10800.000	0.001	0.002	<p>SIZE CODE D</p> <p>NUMBER IA</p> <p>REV. C</p>
	NOMINAL DIMENSION RANGE	PRACTICES																																																																																														
		OVER TO	UNDER TO																																																																																													
0.125	0.001	0.002																																																																																														
0.125 TO 0.250	0.001	0.002																																																																																														
0.250 TO 0.375	0.001	0.002																																																																																														
0.375 TO 0.500	0.001	0.002																																																																																														
0.500 TO 0.750	0.001	0.002																																																																																														
0.750 TO 1.000	0.001	0.002																																																																																														
1.000 TO 1.500	0.001	0.002																																																																																														
1.500 TO 2.000	0.001	0.002																																																																																														
2.000 TO 3.000	0.001	0.002																																																																																														
3.000 TO 4.000	0.001	0.002																																																																																														
4.000 TO 6.000	0.001	0.002																																																																																														
6.000 TO 10.000	0.001	0.002																																																																																														
10.000 TO 18.000	0.001	0.002																																																																																														
18.000 TO 30.000	0.001	0.002																																																																																														
30.000 TO 48.000	0.001	0.002																																																																																														
48.000 TO 72.000	0.001	0.002																																																																																														
72.000 TO 108.000	0.001	0.002																																																																																														
108.000 TO 162.000	0.001	0.002																																																																																														
162.000 TO 216.000	0.001	0.002																																																																																														
216.000 TO 324.000	0.001	0.002																																																																																														
324.000 TO 486.000	0.001	0.002																																																																																														
486.000 TO 729.000	0.001	0.002																																																																																														
729.000 TO 1080.000	0.001	0.002																																																																																														
1080.000 TO 1620.000	0.001	0.002																																																																																														
1620.000 TO 2160.000	0.001	0.002																																																																																														
2160.000 TO 3240.000	0.001	0.002																																																																																														
3240.000 TO 4860.000	0.001	0.002																																																																																														
4860.000 TO 7290.000	0.001	0.002																																																																																														
7290.000 TO 10800.000	0.001	0.002																																																																																														
<p>FINISH</p>	<p>DRN: <i>[Signature]</i></p> <p>CHK: <i>[Signature]</i></p> <p>ENG: <i>[Signature]</i></p> <p>PROJ. ENGR: <i>[Signature]</i></p>	<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p> <table border="1"> <tr> <th rowspan="2">NOMINAL DIMENSION RANGE</th> <th colspan="2">PRACTICES</th> </tr> <tr> <th>OVER TO</th> <th>UNDER TO</th> </tr> <tr> <td>0.125</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.125 TO 0.250</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.250 TO 0.375</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.375 TO 0.500</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.500 TO 0.750</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.750 TO 1.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1.000 TO 1.500</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1.500 TO 2.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>2.000 TO 3.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>3.000 TO 4.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>4.000 TO 6.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>6.000 TO 10.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>10.000 TO 18.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>18.000 TO 30.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>30.000 TO 48.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>48.000 TO 72.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>72.000 TO 108.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>108.000 TO 162.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>162.000 TO 216.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>216.000 TO 324.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>324.000 TO 486.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>486.000 TO 729.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>729.000 TO 1080.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1080.000 TO 1620.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1620.000 TO 2160.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>2160.000 TO 3240.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>3240.000 TO 4860.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>4860.000 TO 7290.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>7290.000 TO 10800.000</td> <td>0.001</td> <td>0.002</td> </tr> </table>	NOMINAL DIMENSION RANGE	PRACTICES		OVER TO	UNDER TO	0.125	0.001	0.002	0.125 TO 0.250	0.001	0.002	0.250 TO 0.375	0.001	0.002	0.375 TO 0.500	0.001	0.002	0.500 TO 0.750	0.001	0.002	0.750 TO 1.000	0.001	0.002	1.000 TO 1.500	0.001	0.002	1.500 TO 2.000	0.001	0.002	2.000 TO 3.000	0.001	0.002	3.000 TO 4.000	0.001	0.002	4.000 TO 6.000	0.001	0.002	6.000 TO 10.000	0.001	0.002	10.000 TO 18.000	0.001	0.002	18.000 TO 30.000	0.001	0.002	30.000 TO 48.000	0.001	0.002	48.000 TO 72.000	0.001	0.002	72.000 TO 108.000	0.001	0.002	108.000 TO 162.000	0.001	0.002	162.000 TO 216.000	0.001	0.002	216.000 TO 324.000	0.001	0.002	324.000 TO 486.000	0.001	0.002	486.000 TO 729.000	0.001	0.002	729.000 TO 1080.000	0.001	0.002	1080.000 TO 1620.000	0.001	0.002	1620.000 TO 2160.000	0.001	0.002	2160.000 TO 3240.000	0.001	0.002	3240.000 TO 4860.000	0.001	0.002	4860.000 TO 7290.000	0.001	0.002	7290.000 TO 10800.000	0.001	0.002	<p>SIZE CODE D</p> <p>NUMBER IA</p> <p>REV. C</p>	
NOMINAL DIMENSION RANGE	PRACTICES																																																																																															
	OVER TO	UNDER TO																																																																																														
0.125	0.001	0.002																																																																																														
0.125 TO 0.250	0.001	0.002																																																																																														
0.250 TO 0.375	0.001	0.002																																																																																														
0.375 TO 0.500	0.001	0.002																																																																																														
0.500 TO 0.750	0.001	0.002																																																																																														
0.750 TO 1.000	0.001	0.002																																																																																														
1.000 TO 1.500	0.001	0.002																																																																																														
1.500 TO 2.000	0.001	0.002																																																																																														
2.000 TO 3.000	0.001	0.002																																																																																														
3.000 TO 4.000	0.001	0.002																																																																																														
4.000 TO 6.000	0.001	0.002																																																																																														
6.000 TO 10.000	0.001	0.002																																																																																														
10.000 TO 18.000	0.001	0.002																																																																																														
18.000 TO 30.000	0.001	0.002																																																																																														
30.000 TO 48.000	0.001	0.002																																																																																														
48.000 TO 72.000	0.001	0.002																																																																																														
72.000 TO 108.000	0.001	0.002																																																																																														
108.000 TO 162.000	0.001	0.002																																																																																														
162.000 TO 216.000	0.001	0.002																																																																																														
216.000 TO 324.000	0.001	0.002																																																																																														
324.000 TO 486.000	0.001	0.002																																																																																														
486.000 TO 729.000	0.001	0.002																																																																																														
729.000 TO 1080.000	0.001	0.002																																																																																														
1080.000 TO 1620.000	0.001	0.002																																																																																														
1620.000 TO 2160.000	0.001	0.002																																																																																														
2160.000 TO 3240.000	0.001	0.002																																																																																														
3240.000 TO 4860.000	0.001	0.002																																																																																														
4860.000 TO 7290.000	0.001	0.002																																																																																														
7290.000 TO 10800.000	0.001	0.002																																																																																														
<p>FINISH</p>	<p>DRN: <i>[Signature]</i></p> <p>CHK: <i>[Signature]</i></p> <p>ENG: <i>[Signature]</i></p> <p>PROJ. ENGR: <i>[Signature]</i></p>	<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p> <table border="1"> <tr> <th rowspan="2">NOMINAL DIMENSION RANGE</th> <th colspan="2">PRACTICES</th> </tr> <tr> <th>OVER TO</th> <th>UNDER TO</th> </tr> <tr> <td>0.125</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.125 TO 0.250</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.250 TO 0.375</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.375 TO 0.500</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.500 TO 0.750</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>0.750 TO 1.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1.000 TO 1.500</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1.500 TO 2.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>2.000 TO 3.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>3.000 TO 4.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>4.000 TO 6.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>6.000 TO 10.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>10.000 TO 18.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>18.000 TO 30.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>30.000 TO 48.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>48.000 TO 72.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>72.000 TO 108.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>108.000 TO 162.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>162.000 TO 216.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>216.000 TO 324.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>324.000 TO 486.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>486.000 TO 729.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>729.000 TO 1080.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1080.000 TO 1620.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>1620.000 TO 2160.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>2160.000 TO 3240.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>3240.000 TO 4860.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>4860.000 TO 7290.000</td> <td>0.001</td> <td>0.002</td> </tr> <tr> <td>7290.000 TO 10800.000</td> <td>0.001</td> <td>0.002</td> </tr> </table>	NOMINAL DIMENSION RANGE	PRACTICES		OVER TO	UNDER TO	0.125	0.001	0.002	0.125 TO 0.250	0.001	0.002	0.250 TO 0.375	0.001	0.002	0.375 TO 0.500	0.001	0.002	0.500 TO 0.750	0.001	0.002	0.750 TO 1.000	0.001	0.002	1.000 TO 1.500	0.001	0.002	1.500 TO 2.000	0.001	0.002	2.000 TO 3.000	0.001	0.002	3.000 TO 4.000	0.001	0.002	4.000 TO 6.000	0.001	0.002	6.000 TO 10.000	0.001	0.002	10.000 TO 18.000	0.001	0.002	18.000 TO 30.000	0.001	0.002	30.000 TO 48.000	0.001	0.002	48.000 TO 72.000	0.001	0.002	72.000 TO 108.000	0.001	0.002	108.000 TO 162.000	0.001	0.002	162.000 TO 216.000	0.001	0.002	216.000 TO 324.000	0.001	0.002	324.000 TO 486.000	0.001	0.002	486.000 TO 729.000	0.001	0.002	729.000 TO 1080.000	0.001	0.002	1080.000 TO 1620.000	0.001	0.002	1620.000 TO 2160.000	0.001	0.002	2160.000 TO 3240.000	0.001	0.002	3240.000 TO 4860.000	0.001	0.002	4860.000 TO 7290.000	0.001	0.002	7290.000 TO 10800.000	0.001	0.002	<p>SIZE CODE D</p> <p>NUMBER IA</p> <p>REV. C</p>	
NOMINAL DIMENSION RANGE	PRACTICES																																																																																															
	OVER TO	UNDER TO																																																																																														
0.125	0.001	0.002																																																																																														
0.125 TO 0.250	0.001	0.002																																																																																														
0.250 TO 0.375	0.001	0.002																																																																																														
0.375 TO 0.500	0.001	0.002																																																																																														
0.500 TO 0.750	0.001	0.002																																																																																														
0.750 TO 1.000	0.001	0.002																																																																																														
1.000 TO 1.500	0.001	0.002																																																																																														
1.500 TO 2.000	0.001	0.002																																																																																														
2.000 TO 3.000	0.001	0.002																																																																																														
3.000 TO 4.000	0.001	0.002																																																																																														
4.000 TO 6.000	0.001	0.002																																																																																														
6.000 TO 10.000	0.001	0.002																																																																																														
10.000 TO 18.000	0.001	0.002																																																																																														
18.000 TO 30.000	0.001	0.002																																																																																														
30.000 TO 48.000	0.001	0.002																																																																																														
48.000 TO 72.000	0.001	0.002																																																																																														
72.000 TO 108.000	0.001	0.002																																																																																														
108.000 TO 162.000	0.001	0.002																																																																																														
162.000 TO 216.000	0.001	0.002																																																																																														
216.000 TO 324.000	0.001	0.002																																																																																														
324.000 TO 486.000	0.001	0.002																																																																																														
486.000 TO 729.000	0.001	0.002																																																																																														
729.000 TO 1080.000	0.001	0.002																																																																																														
1080.000 TO 1620.000	0.001	0.002																																																																																														
1620.000 TO 2160.000	0.001	0.002																																																																																														
2160.000 TO 3240.000	0.001	0.002																																																																																														
3240.000 TO 4860.000	0.001	0.002																																																																																														
4860.000 TO 7290.000	0.001	0.002																																																																																														
7290.000 TO 10800.000	0.001	0.002																																																																																														

REV.	DATE	BY	CHK	DESCRIPTION
1	12/27/77	D. MARTEL		REVISED FOR PARTS LIST
2	1/2/78	C.S. LANDINO		REVISED FOR PARTS LIST
3	1/2/78	V.F. BAUSHA		REVISED FOR PARTS LIST

"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 © 1977, DIGITAL EQUIPMENT CORPORATION"



1	LUG, POWER #8 AWG (90°)	1212086-02	3
1	LUG, POWER #8 AWG STRAIGHT	121515-00	2
1	WIRE, #8 AWG STRD BLACK	9107765-00	1

DESCRIPTION	DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES 30° 30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
SURFACE QUALITY IN MICROINCHES	(CHECK ONE)	OVER 0 TO 0.5
		OVER 0.5 TO 1.2
MEDIUM <input type="checkbox"/>	PREFERRED <input checked="" type="checkbox"/>	OVER 1.2 TO 4.0
		OVER 4.0 TO 12.0
		OVER 12.0 TO 40.0
		OVER 40.0 TO 80.0
		OVER 80.0 TO 100.0

THIRD ANGLE PROJECTION	DRN <i>M. J. [Signature]</i> 10/24/77	FIRST USED ON H7100
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>[Signature]</i> 10/24/77	TITLE JUMPER
DO NOT SCALE DWG	PROJ. ENG. <i>[Signature]</i> 10/24/77	SIZE CODE C
MATERIAL SEE PARTS LIST	PROD. <i>[Signature]</i> 10/24/77	NUMBER IA 7014105-0-0
FINISH	SCALE NONE	REV. A
	SHEET OF	DIST.

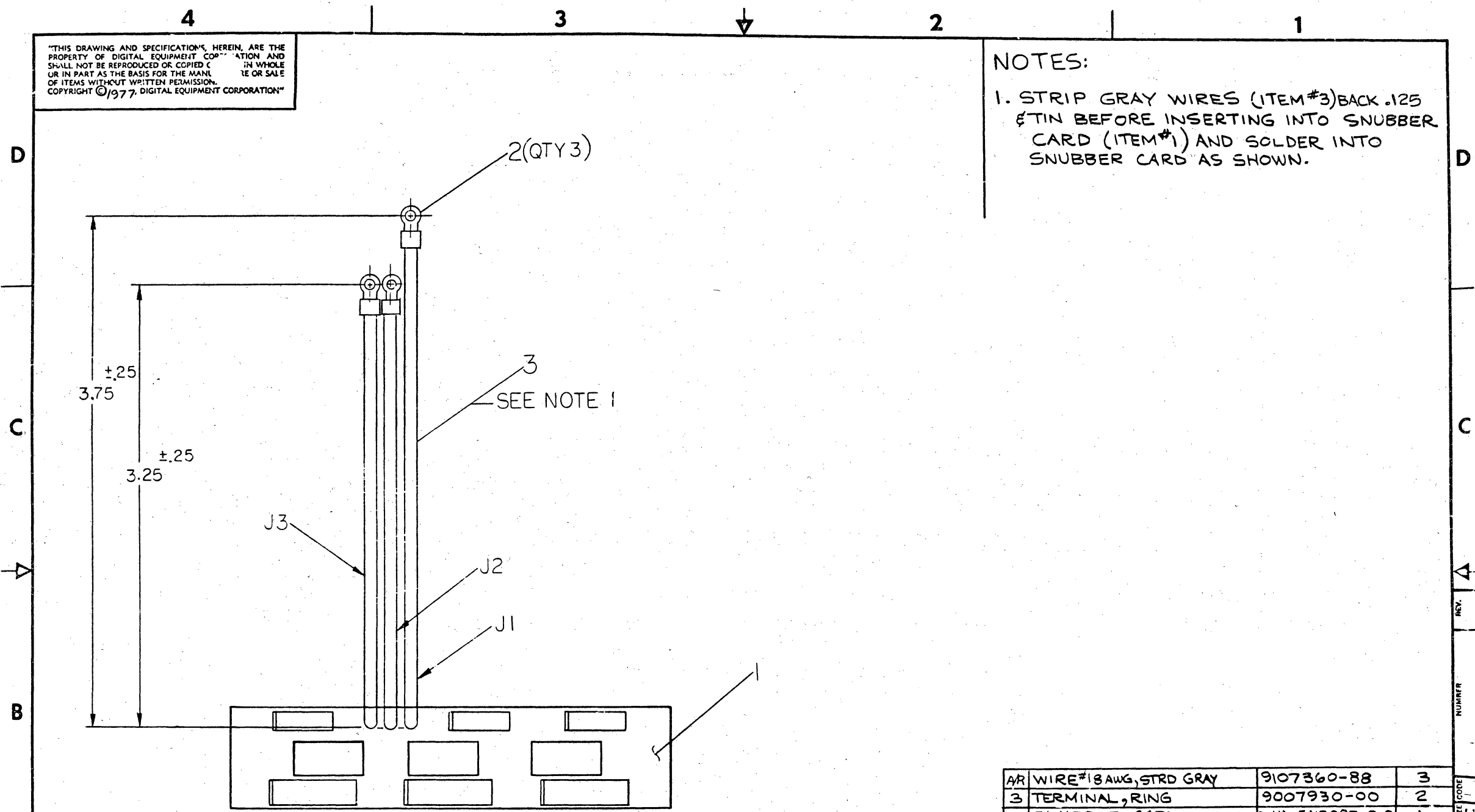
REVISIONS	REV.
CHK FC 17014105-TW001 A	
<i>[Signature]</i> 10/24/77	
JAMES B. DAVIS	
<i>[Signature]</i> Oct-27-77	

DRAWING NUMBER IA 7014105-0-0

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT ©1977, DIGITAL EQUIPMENT CORPORATION"

NOTES:

1. STRIP GRAY WIRES (ITEM #3) BACK .125 IN TIN BEFORE INSERTING INTO SNUBBER CARD (ITEM #1) AND SOLDER INTO SNUBBER CARD AS SHOWN.



AR	WIRE #18 AWG, STRD GRAY	9107360-88	3
3	TERMINAL, RING	9007930-00	2
1	SNUBBER CARD	D-UA-5413087-0-0	1

QUANTITY & VARIATION	DESCRIPTION	DWG./PART NO.	ITEM NO.											
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES													
SURFACE QUALITY IN MICROINCHES	ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES											
			<table border="1"> <tr> <td>OVER 0 TO 0.2</td> <td>OVER 0.2 TO 1.2</td> <td>OVER 1.2 TO 4.0</td> <td>OVER 4.0 TO 12.0</td> <td>OVER 12.0 TO 40.0</td> <td>OVER 40.0 TO ∞0.0</td> </tr> <tr> <td>±.004</td> <td>±.008</td> <td>±.012</td> <td>±.018</td> <td>±.024</td> <td>±.04</td> </tr> </table>	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO ∞0.0	±.004	±.008	±.012	±.018	±.024
OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO ∞0.0									
±.004	±.008	±.012	±.018	±.024	±.04									
	MEDIUM <input type="checkbox"/>	PREFERRED <input checked="" type="checkbox"/>												

THIRD ANGLE PROJECTION	DRN. <i>W. H. H.</i> 18 AUG 77	FIRST USED ON H7100	digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD. <i>R. B.</i> 30 AUG 77	TITLE	
DO NOT SCALE DWG	ENG. <i>D. H.</i> 30 AUG 77	SNUBBER CARD ASSY	
MATERIAL SEE PARTS LIST	PROJ. ENG. <i>S. S.</i> 30 AUG 77	SIZE CODE	NUMBER
FINISH	PROD. <i>J. B.</i> 30 AUG 77	C IA	7014984-0-0
	NEXT HIGHER ASSY.	REVISION	
	E-AD-7013921-0-0		
	SCALE 2/1		
	SHEET 1 OF 1	DIST.	

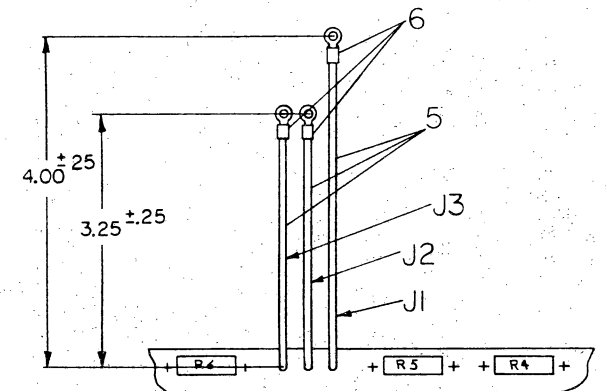
REVISIONS	REV.
CHANGE NO.	
CHK	

DEC FORM NO. DMC 100-C

THIS DRAWING AND SPECIFICATIONS, UNLESS AND THE PROPERTY OF AEC-TECH INDUSTRIES CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART BY ANY OTHER PERSON OR ORGANIZATION WITHOUT THE WRITTEN PERMISSION OF AEC-TECH INDUSTRIES CORPORATION © 1977

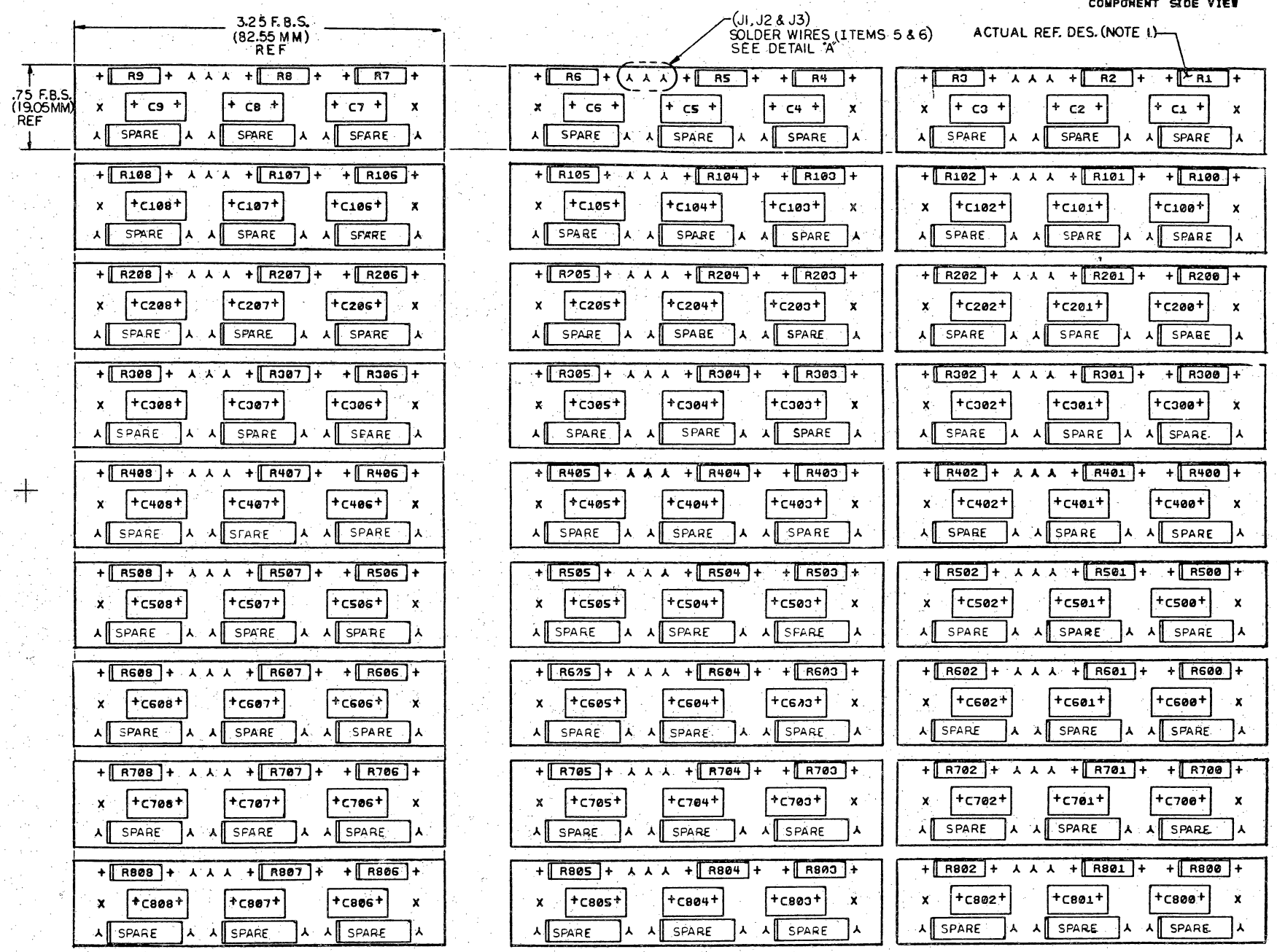
0-8-28087-0-0 2

ACTUAL REF. DES.	SUPERFICIAL REF. DES.
R1 R2 R3	R4 THRU R9 R100 THRU R108 R200 THRU R208 R300 THRU R308 R400 THRU R408 R500 THRU R508 R600 THRU R608 R700 THRU R708 R800 THRU R808
C1 C2 C3	C4 THRU C9 C100 THRU C108 C200 THRU C208 C300 THRU C308 C400 THRU C408 C500 THRU C508 C600 THRU C608 C700 THRU C708 C800 THRU C808



CUT AND STRIP WIRE (ITEM 5) TO LENGTHS SHOWN. CRIMP ITEM 6 TO ONE END OF EACH AS SHOWN AND SOLDER INTO "X" HOLES AS SHOWN.

DETAIL A
SCALE: NONE



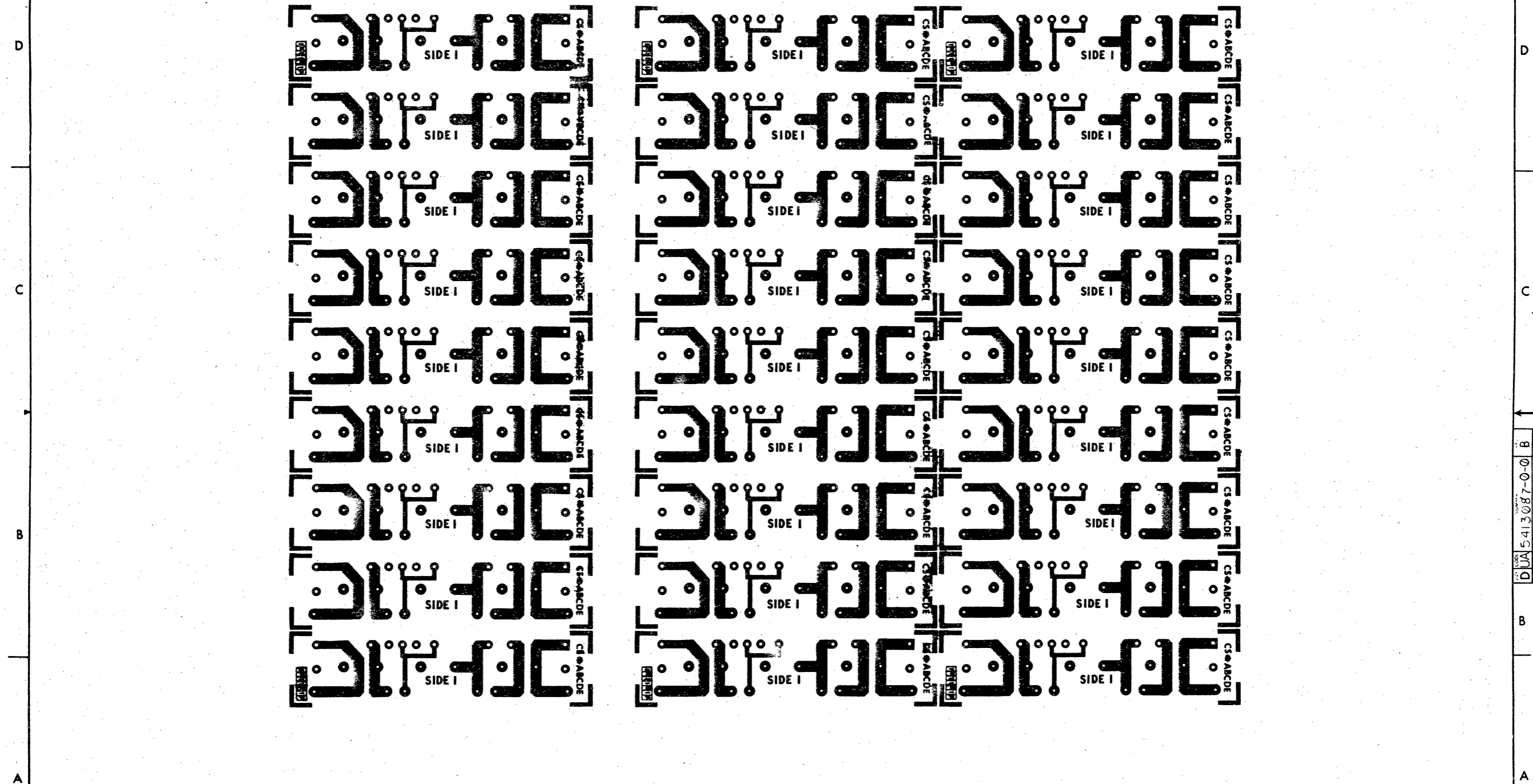
NOTES: MULTI-REF. DES. ARE USED TO ACCOMMODATE PANEL INSERTION TECHNIQUES. REFER TO CHART FOR CROSS REFERENCE.

CHANGE NO	REV	DATE	BY	CHK
001	1	1/16/77	J. DREW	
002	2	1/16/77	J. DREW	

ETCH REV.	A
P.C. DESIGN DATA BRSE REV.	AL

SIGNATURES	DATE	digital
DRAWN: <i>[Signature]</i>	5/10/77	
CHK'D: <i>[Signature]</i>	6-23-77	
ENG. <i>[Signature]</i>	6/24/77	TITLE
PROJ. ENG. <i>[Signature]</i>	7/24/77	SNUBBER CARD
PROD. <i>[Signature]</i>	8/24/77	
SCALE 2/1		SIZE CODE NUMBER
SHT. 1 OF 3		0 UA 5413087-0-0
NEXT HIGHER ASSY. 8-DD-5413087-0		

"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 © 1977 DIGITAL EQUIPMENT CORPORATION"



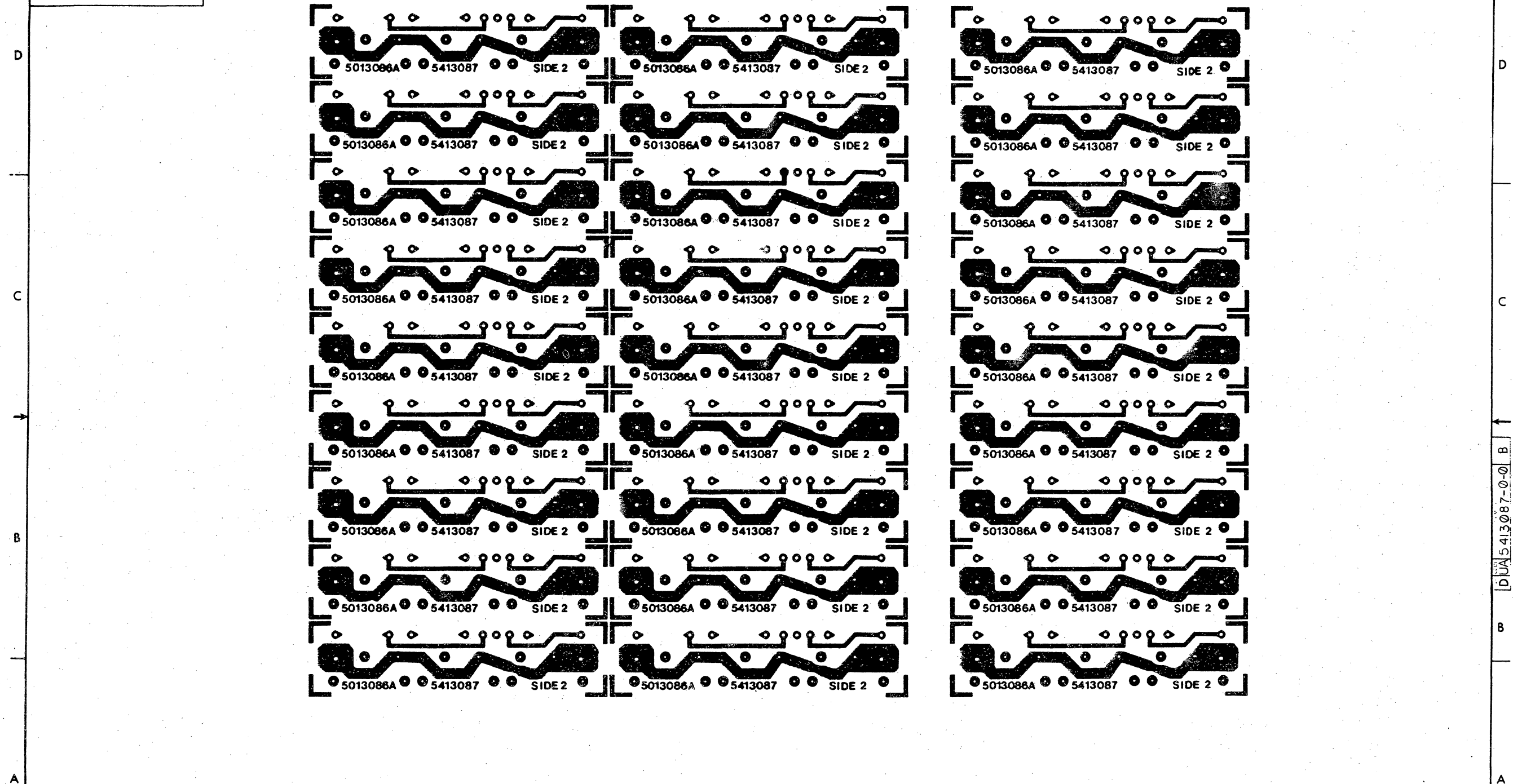
VIEWED FROM SIDE I

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
SNUBBER CARD	D UA	5413087-0-0	B
SCALE 2:1	SHEET 2 OF 3	DIST.	

"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 © 1977 DIGITAL EQUIPMENT CORPORATION"

DUA 5413087-0-0 B 2



VIEWED FROM SIDE 2

REVISIONS		
CHK	CHANGE NO.	REV

TITLE	SIZE CODE	NUMBER	REV.
SNUBBER CARD	DUA	5413087-0-0	B
SCALE 2:1	SHEET 3 OF 3	DIST.	

DEC FORM NO. 137

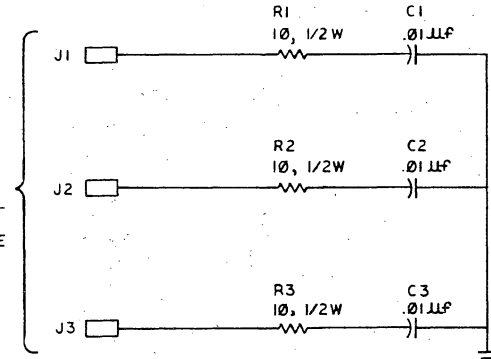
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION

DCS5413087-0-1 B 2

D
C
B
A

D
C
B
A

J1, J2 AND J3 ARE WIRES WITH RING TERMINALS SOLDERED INTO THE 3 "A" HOLES AT THE TOP OF THE PC BOARD



REV.	REV.
CHG	CHG
5413087-00001 A	5413087-00001 A
R. MARTEL	R. MARTEL
5413087-00002 B	5413087-00002 B
J. DREW	J. DREW
21 FEB 78	21 FEB 78

DRN	FIRST USED ON
CHK	H7100
ENG	TITLE H7100
PROJ. ENG	SNUBBER CARD
NEXT HIGHER ASSY.	
D-JA-5413087-0-0	SIZE CODE NUMBER
SCALE	D CS5413087-0-1
SHEET 1 OF 1	DIST. REV. B

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION										NOTES:			
MADE BY RITA BUREAU DATE 7 JULY 77		CHECKED <i>KENT GLEESON</i> DATE 30 AUG 77		SECTION 1										REFER TO DWG. D-UA-5413087-0-0 FOR ADDITIONAL INSERTION INFORMATION.			
ENG <i>CS Sanders</i> DATE 30 AUG 77		PROD <i>Ed Blair</i> DATE 30 AUG 77		ISSUED SECTION 1													
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	5413087-0-0													REF DESIGNATION
1	D-MD-5013086-0-0	5013086	ETCHED BOARD	1													
2		1011847-01	CAPACITOR., .01 UF, 400V	3													C1, C2, C3
3		1112594-01	DIODE, A115B	3													D1, D2, D3
4		1300168-00	RES., 10 OHMS, 1/2W, 5% C.C.	3													R1, R2, R3
5		9107360-88	WIRE #18 AWG STRD GRAY	A/R													
6		9007930-00	TERMINAL, RING	3													J1, J2, J3

E.C.O. NO.
00001
00002

"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 © 1977 DIGITAL EQUIPMENT CORPORATION"

TITLE
H7100 SNUBBER CARD

ASSY NO.
D-UA-5413087-0-0

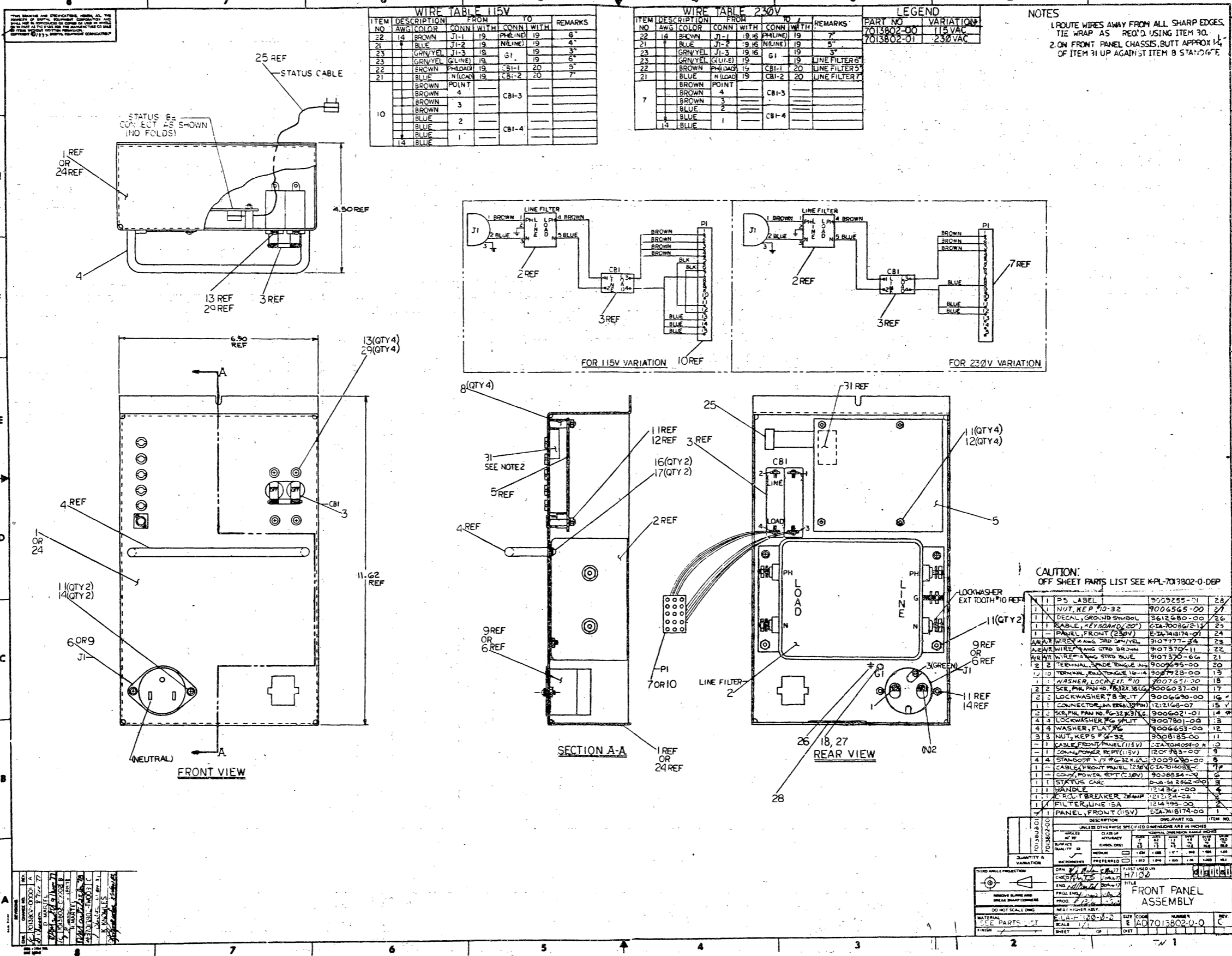
SIZE
B PL

NUMBER
5413087-0-0

REV.
B

SHEET 1 OF 1

INSERTION PARTS LIST DATA BASE REV A



WIRE TABLE 115V

ITEM NO	DESCRIPTION	FROM	TO	REMARKS
22	14 BROWN	J1-1	19 PH(LINE)	6"
21	1 BLUE	J1-2	19 PH(LINE)	4"
23	GRN/YEL	J1-3	19 G1	3"
23	GRN/YEL	G(LINE)	19	6"
22	BROWN	PH(LOAD)	19 CBI-1	5"
21	BLUE	N(LOAD)	19 CBI-2	7"
	BROWN	POINT		
	BROWN	4		CBI-3
	BROWN	3		
	BLUE	2		CBI-4
	BLUE	1		
10	14 BLUE			

WIRE TABLE 230V

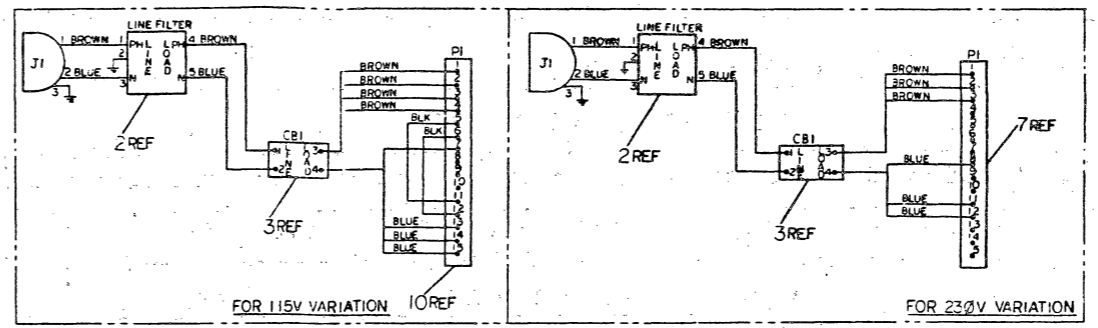
ITEM NO	DESCRIPTION	FROM	TO	REMARKS
22	14 BROWN	J1-1	19 PH(LINE)	7"
21	1 BLUE	J1-2	19 PH(LINE)	5"
23	GRN/YEL	J1-3	19 G1	3"
23	GRN/YEL	G(LINE)	19	LINE FILTERS
22	BROWN	PH(LOAD)	19 CBI-1	LINE FILTERS
21	BLUE	N(LOAD)	19 CBI-2	LINE FILTERS
	BROWN	POINT		
	BROWN	4		CBI-3
	BROWN	3		
	BLUE	2		CBI-4
	BLUE	1		
7	14 BLUE			

LEGEND

PART NO	VARIATION
7013802-00	115VAC
7013802-01	230VAC

NOTES

1. ROUTE WIRES AWAY FROM ALL SHARP EDGES. TIE WRAP AS REQ'D USING ITEM 30.
2. ON FRONT PANEL CHASSIS, BUT APPROX 1/4" OF ITEM 31 UP AGAINST ITEM 8 STANDOFF.



CAUTION:
OFF SHEET PARTS LIST SEE KPL-7013802-0-DBP

QTY	DESCRIPTION	PART NO	ITEM NO
1	PS LABEL	9009255-01	28
1	NUT, KEP #10-32	9006565-00	31
1	DECAL, GROUND SYMBOL	3612680-00	26
1	CABLE, KEYBOARD (20')	61A-70086/2-1V	25
1	PANEL, FRONT (230V)	61A-748174-01	24
1	WIRE, 24 AWG STRD BRN	9107771-24	23
1	WIRE, 24 AWG STRD BLU	9107370-11	22
1	WIRE, 24 AWG STRD GRN	9107370-66	21
2	TERMINAL, BRD TONGUE 16-14	9006995-00	20
1	TERMINAL, BRD TONGUE 16-14	9006928-00	19
1	WASHER, LOCK W/ #10	9007651-00	18
2	SCR, PHL PAN #6-32X.36L	9006037-01	17
2	LOCKWASHER, B 3/16"	9006690-00	16
1	CONNECTOR, 24 BRN (SPND)	1212106-07	15
1	SCR, PHL PAN #6-32X.36L	9006021-01	14
4	LOCKWASHER, 1/8" FLT	9007801-00	13
4	WASHER, FLAT #6	9006653-00	12
3	NUT, KEPS #10-32	9008185-00	11
1	CABLE, FRONT PANEL (115V)	61A-748174-00	10
1	CONN, POWER REPT (115V)	1209783-00	9
1	CABLE, FRONT PANEL (230V)	61A-748174-00	8
1	CONN, POWER REPT (230V)	1209783-00	7
1	STATUS CABLE	0-VA-51 2963-00	6
1	HANDLE	1214361-00	5
1	CIRCUIT BREAKER, 25 AMP	1214361-00	4
1	FILTER, LINE 1A	1214395-00	3
1	PANEL, FRONT (115V)	61A-748174-00	1

FRONT PANEL ASSEMBLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

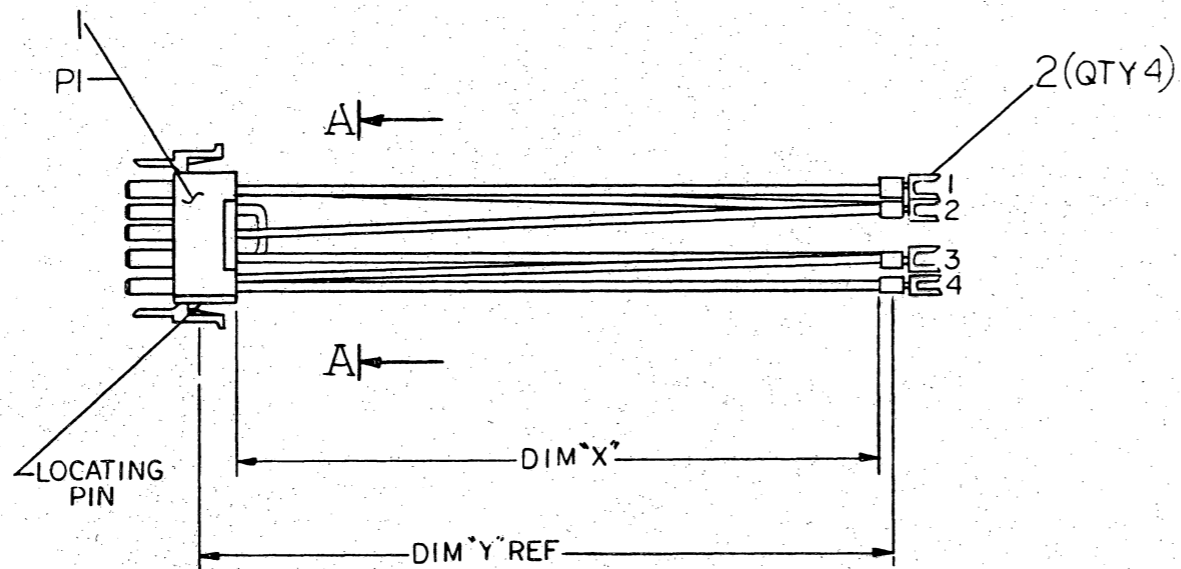
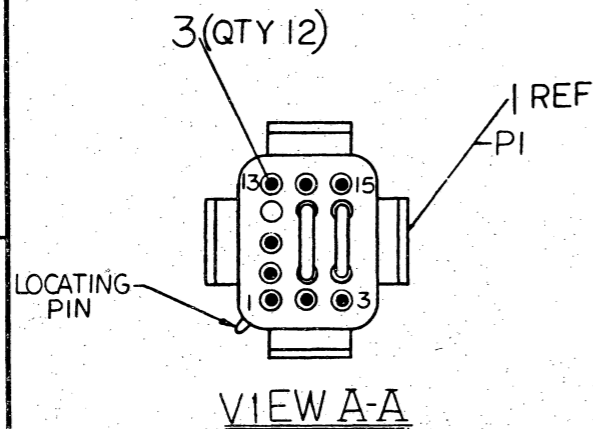
SIZE	1/8"	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	3"	4"	6"	8"
ASSEMBLY															
FINISH															

DATE: 10/1/77
 TITLE: FRONT PANEL ASSEMBLY
 SCALE: 1/1
 SHEET: 1 OF 1

"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 ©1977, DIGITAL EQUIPMENT CORPORATION"

WIRE TABLE							
ITEM NO	DESCRIPTION	FROM		TO		REMARKS	
		AWG	COLOR	CONN	WITH		
4	14	BROWN	PI-1	1#3			
4	14	BROWN	PI-2	1#3	4	2	
4	14	BROWN	PI-3	1#3			
4	14	BROWN	PI-4	1#3	3	2	
5	14	BLACK	PI-5	1#3	PI-11	1#3	JUMPER (2"±.5)
5	14	BLACK	PI-6	1#3	PI-12	1#3	JUMPER (2"±.5)
6	14	BLUE	PI-7	1#3			
6	14	BLUE	PI-13	1#3	2	2	
6	14	BLUE	PI-14	1#3			
6	14	BLUE	PI-15	1#3	1	2	

LEGEND		
NUMBER	DIM 'X' VARIATION	DIM 'Y' (PRE CUT) REF
7014054-ØF	ØFT-6IN ±.5IN	ØFT-7IN ±.5IN



A/R	WIRE #14 AWG STRD	COLOR	QTY
6	9107370-66	BLUE	6
5	9107370-00	BLACK	5
4	9107370-11	BROWN	4
3	1213807-01	CONTACT, PIN 14-20 AWG	3
2	9009695-02	TERMINAL, SPADE TONGUE, INS	2
1	1212167-05	PLUG, 15 PIN HOUSING	1

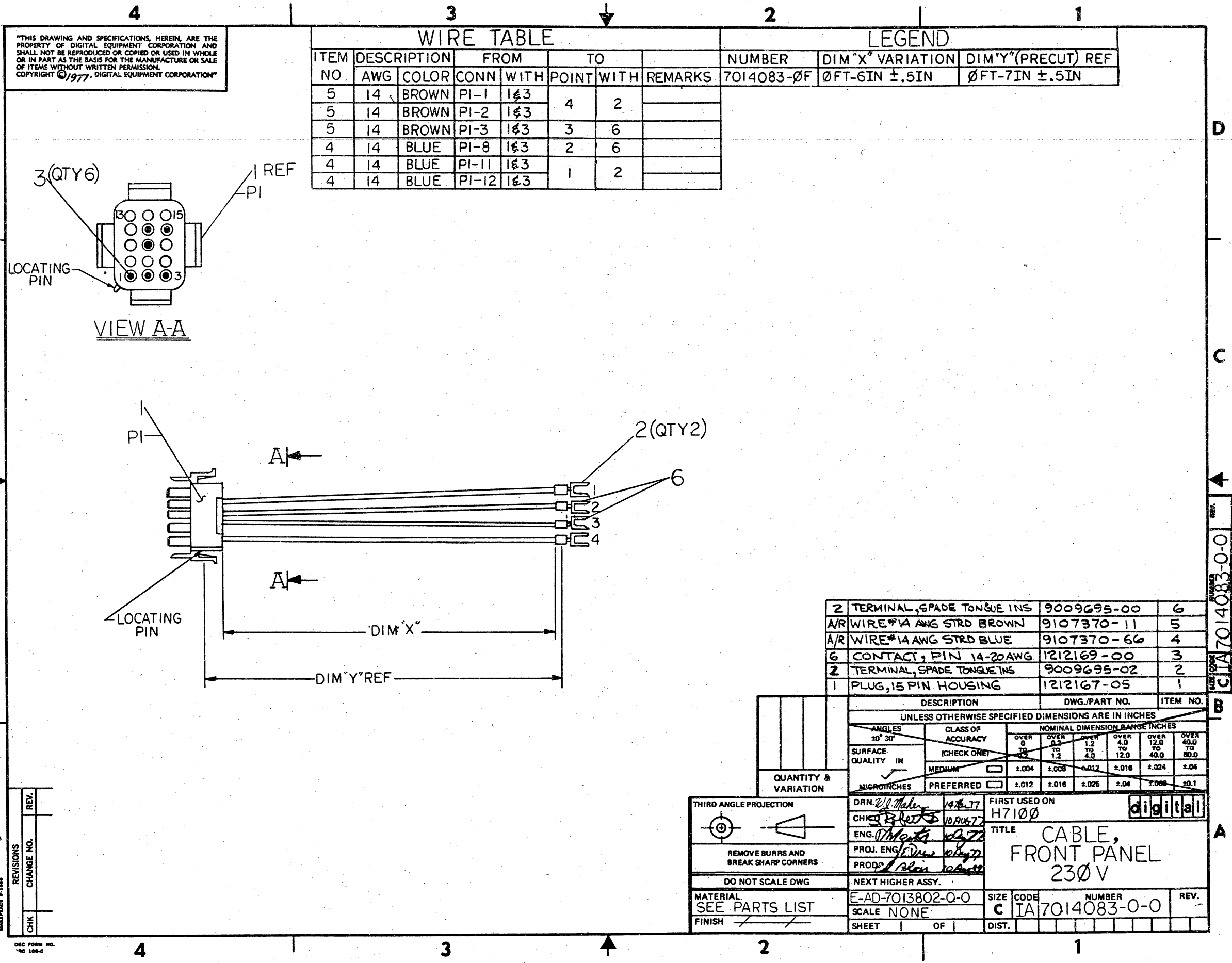
DESCRIPTION	DWG./PART NO.	ITEM NO.						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES								
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES						
SURFACE QUALITY IN MICRONS	MEDIUM <input type="checkbox"/> PREFERRED <input checked="" type="checkbox"/>	OVER 0 TO 0.25	OVER 0.25 TO 0.5	OVER 0.5 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
		±.004	±.008	±.012	±.016	±.024	±.04	±.08

REV.	CHANGE NO.	DESCRIPTION
A	1	7014054-TW001

DESIGNED BY: C.S. LANDINO
CHECKED BY: [Signature]
DATE: 10/23/77

THIRD ANGLE PROJECTION	DRN. <i>W.D. Maher</i> 10/23/77	FIRST USED ON H7100
REMOVE BURRS AND BREAK SHARP CORNERS	CHK. <i>W.D. Maher</i> 10/23/77	TITLE CABLE, FRONT PANEL 115V
DO NOT SCALE DWG	PROJ. ENGR. <i>W.D. Maher</i> 10/23/77	digital
MATERIAL SEE PARTS LIST	PROD. <i>W.D. Maher</i> 10/23/77	DO NOT SCALE DWG
FINISH / /	NEXT HIGHER ASSY.	SIZE CODE NUMBER REV
	E-AD-7013802-0-0	C IA 7014054-0-0 A
	SCALE NONE	
	SHEET OF 1	

REV. A
NUMBER 7014054-0-0
SIZE CODE C



"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 ©1977, DIGITAL EQUIPMENT CORPORATION"

WIRE TABLE						
ITEM NO	AWG	COLOR	FROM		TO	
			CONN	WITH	POINT	WITH
5	14	BROWN	PI-1	1&3	4	2
5	14	BROWN	PI-2	1&3		
5	14	BROWN	PI-3	1&3	3	6
4	14	BLUE	PI-8	1&3	2	6
4	14	BLUE	PI-11	1&3		
4	14	BLUE	PI-12	1&3	1	2

LEGEND		
NUMBER	DIM "X" VARIATION	DIM "Y" (PRE-CUT) REF
7014083-0F	ØFT-6IN ±.5IN	ØFT-7IN ±.5IN

DESCRIPTION	DWG./PART NO.	ITEM NO.
2 TERMINAL, SPADE TONGUE INS	9009695-00	6
A/R WIRE #14 AWG STRD BROWN	9107370-11	5
A/R WIRE #14 AWG STRD BLUE	9107370-66	4
6 CONTACT, PIN 14-20AWG	1212169-00	3
2 TERMINAL, SPADE TONGUE INS	9009695-02	2
1 PLUG, 15 PIN HOUSING	1212167-05	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES						
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES				
		OVER 0 TO	OVER 0.5 TO	OVER 1.2 TO	OVER 4.0 TO	OVER 40.0 TO
SURFACE QUALITY IN	MEDIUM	±.004	±.008	±.012	±.016	±.024
MICROINCHES	PREFERRED	±.012	±.016	±.025	±.04	±.069

THIRD ANGLE PROJECTION	DRN <i>[Signature]</i> 10/25/77	FIRST USED ON H7100
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD <i>[Signature]</i> 10/26/77	TITLE CABLE, FRONT PANEL 230V
DO NOT SCALE DWG	PROJ. ENG. <i>[Signature]</i> 10/27/77	SIZE CODE NUMBER REV. C IA 7014083-0-0
MATERIAL SEE PARTS LIST	FINISH	SHEET OF DIST.

REV.	CHANGE NO.

DEC FORM NO. 100-C

CITA 7014083-0-0

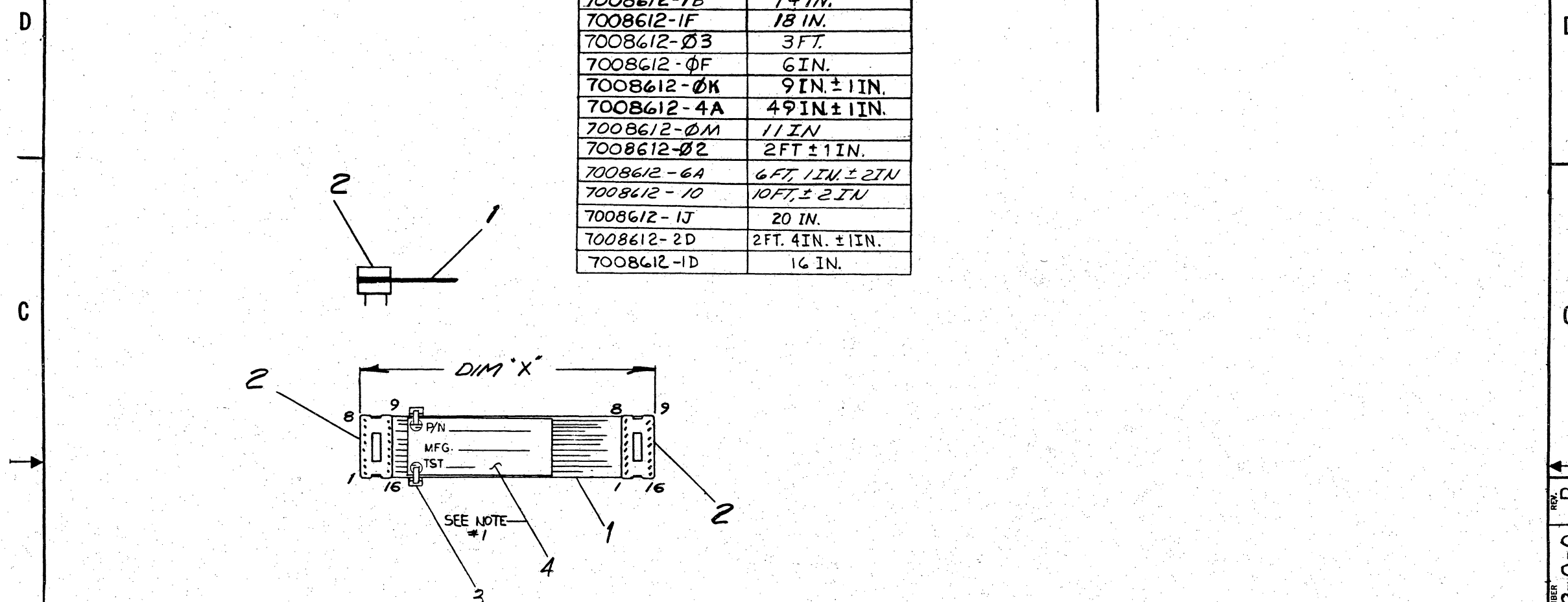
This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission. 1972

LEGEND

NUMBER	VARIATION
7008612-0D	4 IN
7008612-1B	14 IN.
7008612-1F	18 IN.
7008612-03	3 FT.
7008612-0F	6 IN.
7008612-0K	9 IN. ± 1 IN.
7008612-4A	49 IN. ± 1 IN.
7008612-0M	11 IN.
7008612-02	2 FT. ± 1 IN.
7008612-6A	6 FT, 1 IN. ± 2 IN.
7008612-10	10 FT. ± 2 IN.
7008612-1J	20 IN.
7008612-2D	2 FT. 4 IN. ± 1 IN.
7008612-1D	16 IN.

NOTES:

1. PLACE LABEL, ITEM 4 AT ANY POSITION ALONG CABLE AS SHOWN.



REV.	CHG. NO.	DATE	BY	DESCRIPTION
1	7008612-0000 9		N	
2		11/22/77	R. MARTEL	
3			W. KERCHNER	
4			W. KERCHNER	
5			W. KERCHNER	
6			W. KERCHNER	
7			W. KERCHNER	
8			W. KERCHNER	
9			W. KERCHNER	
10			W. KERCHNER	
11			W. KERCHNER	
12			W. KERCHNER	
13			W. KERCHNER	
14			W. KERCHNER	
15			W. KERCHNER	
16			W. KERCHNER	
17			W. KERCHNER	
18			W. KERCHNER	
19			W. KERCHNER	
20			W. KERCHNER	
21			W. KERCHNER	
22			W. KERCHNER	
23			W. KERCHNER	
24			W. KERCHNER	
25			W. KERCHNER	
26			W. KERCHNER	
27			W. KERCHNER	
28			W. KERCHNER	
29			W. KERCHNER	
30			W. KERCHNER	
31			W. KERCHNER	
32			W. KERCHNER	
33			W. KERCHNER	
34			W. KERCHNER	
35			W. KERCHNER	
36			W. KERCHNER	
37			W. KERCHNER	
38			W. KERCHNER	
39			W. KERCHNER	
40			W. KERCHNER	
41			W. KERCHNER	
42			W. KERCHNER	
43			W. KERCHNER	
44			W. KERCHNER	
45			W. KERCHNER	
46			W. KERCHNER	
47			W. KERCHNER	
48			W. KERCHNER	
49			W. KERCHNER	
50			W. KERCHNER	
51			W. KERCHNER	
52			W. KERCHNER	
53			W. KERCHNER	
54			W. KERCHNER	
55			W. KERCHNER	
56			W. KERCHNER	
57			W. KERCHNER	
58			W. KERCHNER	
59			W. KERCHNER	
60			W. KERCHNER	
61			W. KERCHNER	
62			W. KERCHNER	
63			W. KERCHNER	
64			W. KERCHNER	
65			W. KERCHNER	
66			W. KERCHNER	
67			W. KERCHNER	
68			W. KERCHNER	
69			W. KERCHNER	
70			W. KERCHNER	
71			W. KERCHNER	
72			W. KERCHNER	
73			W. KERCHNER	
74			W. KERCHNER	
75			W. KERCHNER	
76			W. KERCHNER	
77			W. KERCHNER	
78			W. KERCHNER	
79			W. KERCHNER	
80			W. KERCHNER	
81			W. KERCHNER	
82			W. KERCHNER	
83			W. KERCHNER	
84			W. KERCHNER	
85			W. KERCHNER	
86			W. KERCHNER	
87			W. KERCHNER	
88			W. KERCHNER	
89			W. KERCHNER	
90			W. KERCHNER	
91			W. KERCHNER	
92			W. KERCHNER	
93			W. KERCHNER	
94			W. KERCHNER	
95			W. KERCHNER	
96			W. KERCHNER	
97			W. KERCHNER	
98			W. KERCHNER	
99			W. KERCHNER	
100			W. KERCHNER	

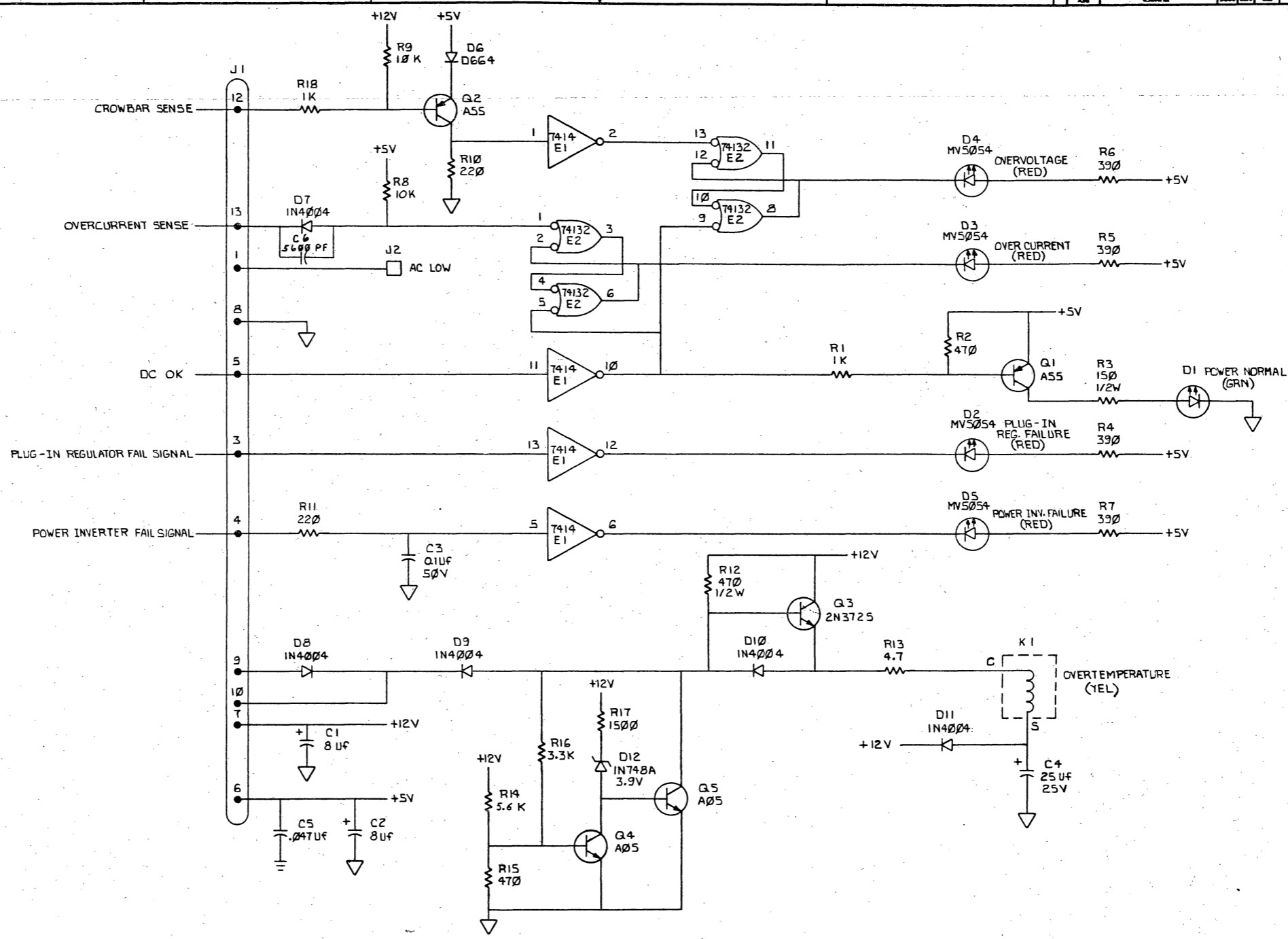
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	LABEL, IDENTIFICATION	9009532-00	4
1	TIE, CABLE	9007031-00	3
2	SOCKET 16 CONTACTS	1210722	2
1	AIR CABLE 28 AWG STAB 16 COND	9107735	1

FIRST USED ON OPTION/MODEL		PARTS LIST	
VT05		TITLE	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	ANGLES	DATE	DATE
.XXX = .005	± 0° 30'	10-1-71	10-9-71
.XX = .02		10-14-71	
.X = .1		10-14-71	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	✓	DATE	DATE
		10-14-71	
MATERIAL	NEXT HIGHER ASSY.	DATE	DATE
		10-14-71	
FINISH	SCALE	SIZE CODE	NUMBER
	1-1	C IA	7008612-0-0
	SHEET 1 OF 1	REV	R
		DIST.	

REV. NUMBER
C IA 7008612-0-0 R

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 © 1977, DIGITAL EQUIPMENT CORPORATION.

D CS 5412562-0-1 2



REV.	CHANGE NO.	DATE	BY	CHK
A	00001	10/11/77	J. DREW	
B	00002	11/07/77	J. DREW	
C	00003	11/07/77	J. DREW	
D	00004	11/07/77	J. DREW	

DRN. P. K. [Signature]	5-11-77	FIRST USED ON	H7100	digital
ENG. C. S. [Signature]	8/15/77	TITLE	STATUS CARD	
PROJ. ENG. [Signature]	8/15/77	SCALE	D CS 5412562-0-1	
PROD. [Signature]	8/15/77	SHEET	OF	DIST.
NEXT HIGHER ASSY.		SIZE	CODE	NUMBER
D-UA-5412562-0-0		D	CS	5412562-0-1
				REV. C

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION *00	REFERENCE DESIGNATOR
1	1	D-MD-5012561-0-0	5012561-00	ETCH BOARD FOR 54-12562	1	
2	2		1012084-01	8 MFD 25V +75-10% AL EL	2	C1,C2
3	3		1010978-36	.1 MFD 50V 10% CER	1	C3
4	4		1000075-00	25 MFD 25V +75-10% AL EL	1	C4
5	5		1012784-00	.047 MFD 50V +80-20% CER	1	C5
6	6		1100114-00	D 664 QS\75PCB PIV= 25V SP	1	D6
7	7		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	5	D8,D9,D10,D11,D7
8	8		1100122-00	1N 748A VZ= 3.9 5%	1	D12
9	9		1110324-00	LED 1MCDQ10MA PIV=3	4	D2-D5
10	10		1114384-00	LED 105MW 35MA GREEN	1	D1
11	11		1211813-02	SKT,IC 16PIN DIP GOLD PLATE	1	J1
12	12		1300365-00	1.0 K .25 W 5.0 % CC	2	R1,R18
13	13		1300316-00	470.0 .25 W 5.0 % CC	2	R2,R15
14	14		1300309-00	390.0 .25 W 5.0 % CC	4	R4-R7
15	15		1300271-00	220.0 .25 W 5.0 % CC	2	R10,R11
16	16		1305890-00	4.70 .25 W 5.0 % CC	1	R13
17	17		1301874-00	5.60 K .25 W 5.0 % CC	1	R14
18	18		1300439-00	3.30 K .25 W 5.0 % CC	1	R16
19	19		1300391-00	1.50 K .25 W 5.0 % CC	1	R17
20	20		1300249-00	150.0 .50 W 5.0 % CC	1	R3
21	21		1300315-00	470.0 .50 W 5.0 % CC	1	R12
22	22		1510706-00	XA 55 PNP 500MW SI 60 50 P	2	Q1,Q2
23	23		1510705-00	XA 05 NPN 500MW SI 60 50 P	2	Q4,Q5
24	24		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	Q3
25	25		1911637-00	74132 NAND GATE-QUAD 2 IN	1	E2
26	26		1911324-00	7414 INVERTER,HEX 1IN SCH	1	E1
27	27		9007113-00	TERM QUICK .130DIA .250TAB BR/T	1	J2
28	28		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	7	W1-W7
29	29		9006732-00	EYELET,ROLL FLANGE .1210DX .219	1	
30	30		9009236-00	SCREW,TAPPING,TYPE F,PAN,PHIL,	2	

REVISION HISTORY		BASIC PART NO: 6200000		DRN: R. KOPPENAL	DATE: 27-JAN-78	D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: K. GLEASON	DATE: 27-JAN-78	TITLE PARTS LIST	
WH	00002	B	SECTION VARIATION INDEX	DES.ENG: C. LANDINO	DATE: 27-JAN-78	STATUS CARD	
P.G.	00003	C	[A] 00	RESP.ENG.: C. LANDINO	DATE: 27-JAN-78	DOCUMENT NUMBER	
			[B]	MFG.ENG.: E. BLAIR	DATE: 27-JAN-78	SIZE: K	CODE: PL
			[C]	ASSEMBLY NUMBER: D-UA-5412562-0-0	TOP DOCUMENT NUMBER:	NUMBER: 5412562-0-DBP	REV: C
			[D]			FILE NAME: 12562C.PLS	EDIT #: 7
			[E]				
			[F]				
			[G]				
			[H]				
			[I]				
			[J]				
			[K]				
			[L]				
			[M]				
			[N]				

"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 (C) 1981. DIGITAL EQUIPMENT CORPORATION"

AUTOMATED BY PRTLST.1D(7)

PARTS LIST

SHEET A2 OF A2

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY *00	PER VARIATION	REFERENCE DESIGNATOR
31	31	9006706-00	WASHER, NYLON, FLAT #4 .375 OD	2		
32	32	7418703-00	LED HOLDER REWORK	1		
33	33	1214349-00	INDICATOR, REFLECTIVE, W/RESET	1		K1
34	34	1300479-00	10.0 K .25 W 5.0 %	2	CC	R8, R9
35	35	1011740-00	5600.0 MMF 50V 10%	1	CER	C5

D	I	G	I	T	A	L	TITLE	STATUS CARD	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5412562-0-DBP	C

8 7 6 5 4 3 2 1
D UA 5412562-0-0 D

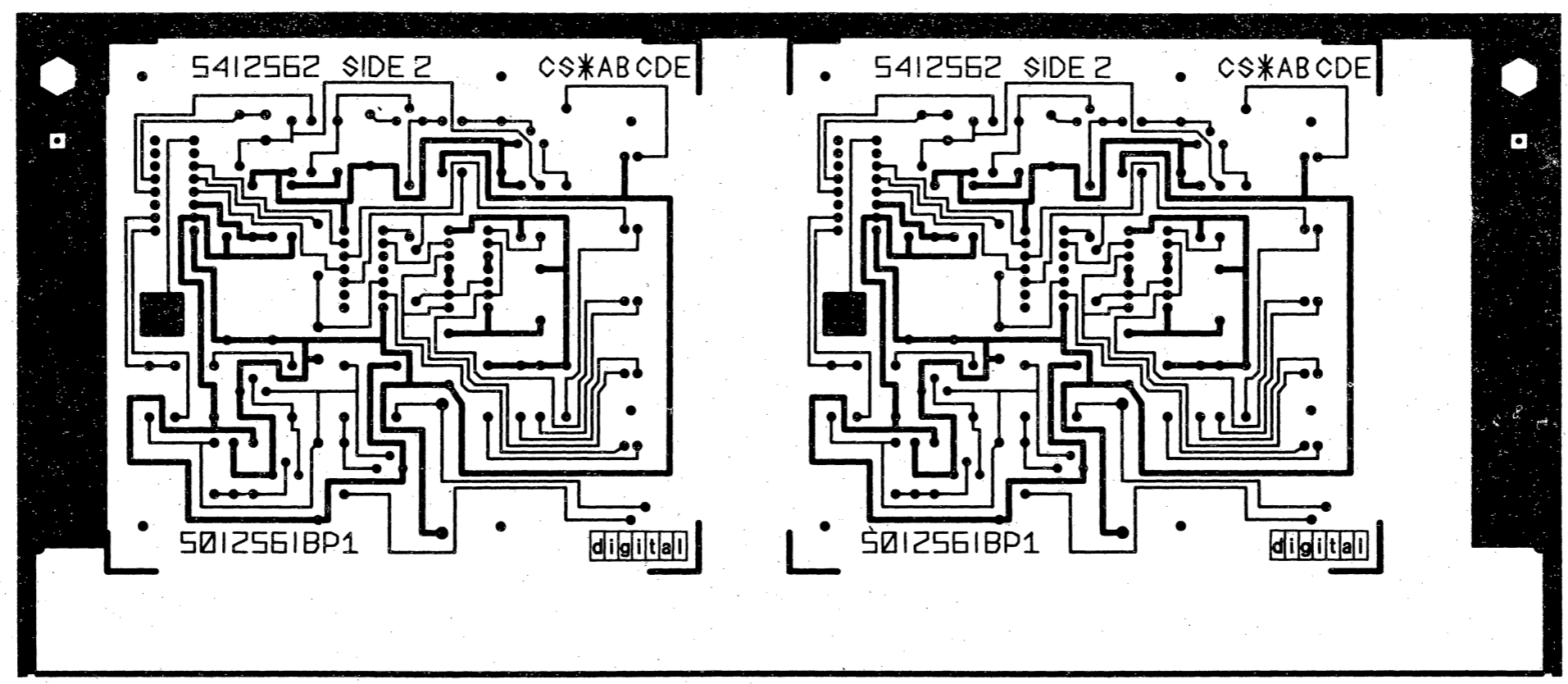
1978

D

C

B

A



VIEWED FROM SIDE 2

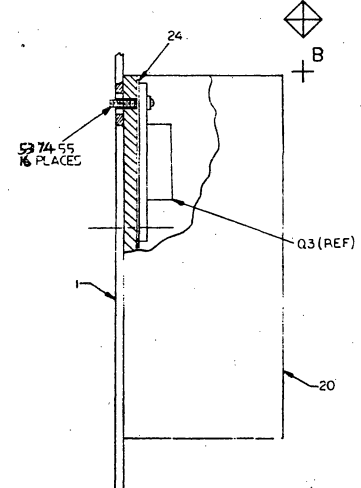
8 7 6 5 4 3 2 1
STATUS BOARD D UA 5412562-0-0 D

D UA 5412562 0-0 D

B

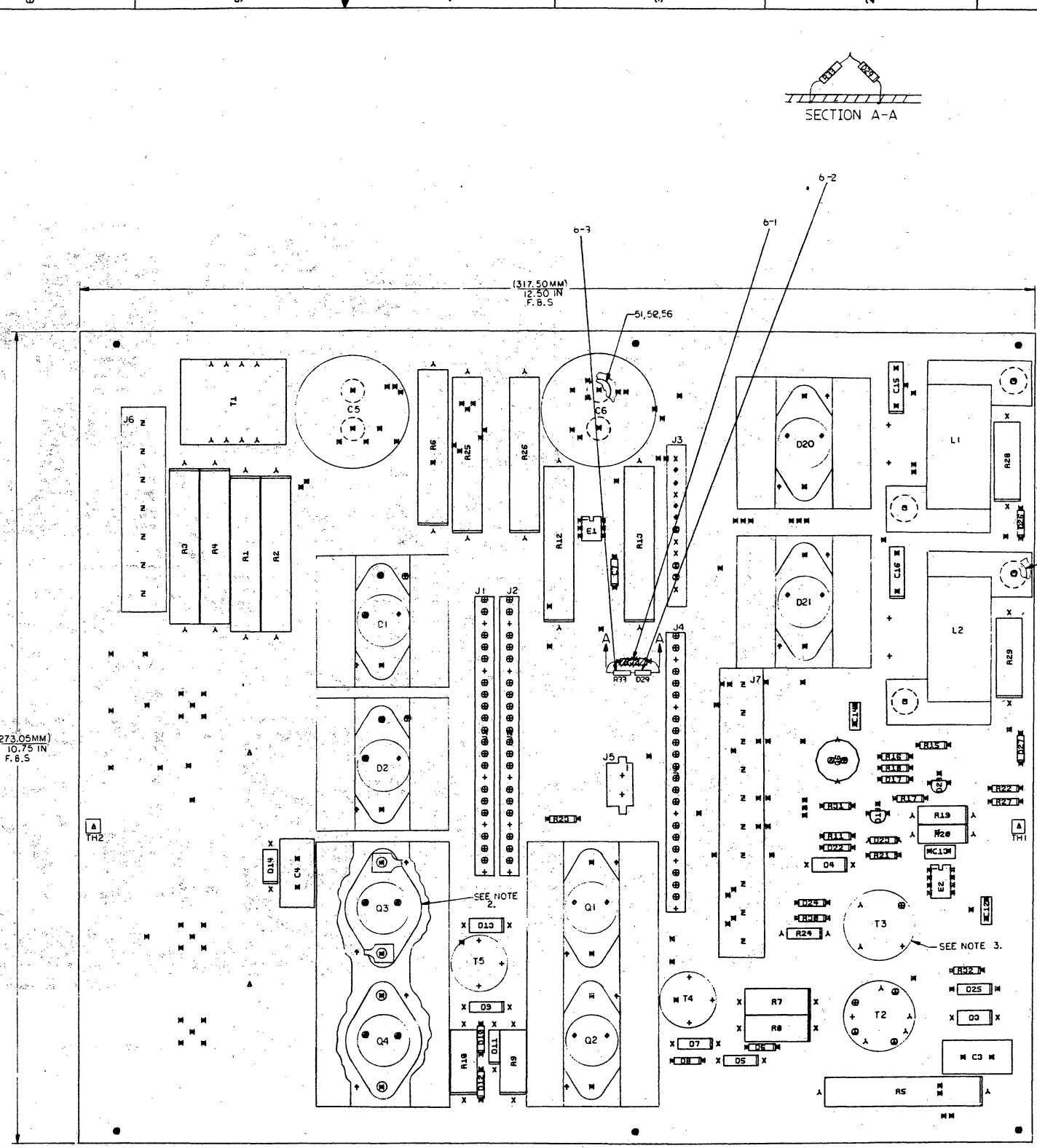
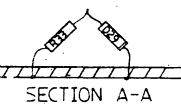
A

DATE: 7/27/79
 DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 PROJECT: [Signature]
 SCALE: 2:1
 NEXT NUMBER: REV. 100-3-212550-3



(273.05MM)
 10.75 IN
 F.6.5

(317.50MM)
 12.50 IN
 F.6.5



NOTES:
 1. ALL APPROVALS REQUIRED.
 2. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
 3. INSURE LABELS LEADS INTO LARGE HOLES.
 4. ALL RESISTORS 5 WATTS AND GREATER SHOULD BE PAISED OFF THE BOARD FOR HEAT.

EUA5412550-0-0

SIGNATURES	DATE
DESIGNED BY: [Signature]	7/27/79
CHECKED BY: [Signature]	8/2/79
PROJECT: [Signature]	7/27/79
SCALE: 2:1	
NEXT NUMBER: REV. 100-3-212550-3	

REV.	BY	DATE	DESCRIPTION
1	[Signature]	7/27/79	INITIAL DESIGN
2	[Signature]	8/2/79	REVISED FOR MANUFACTURE

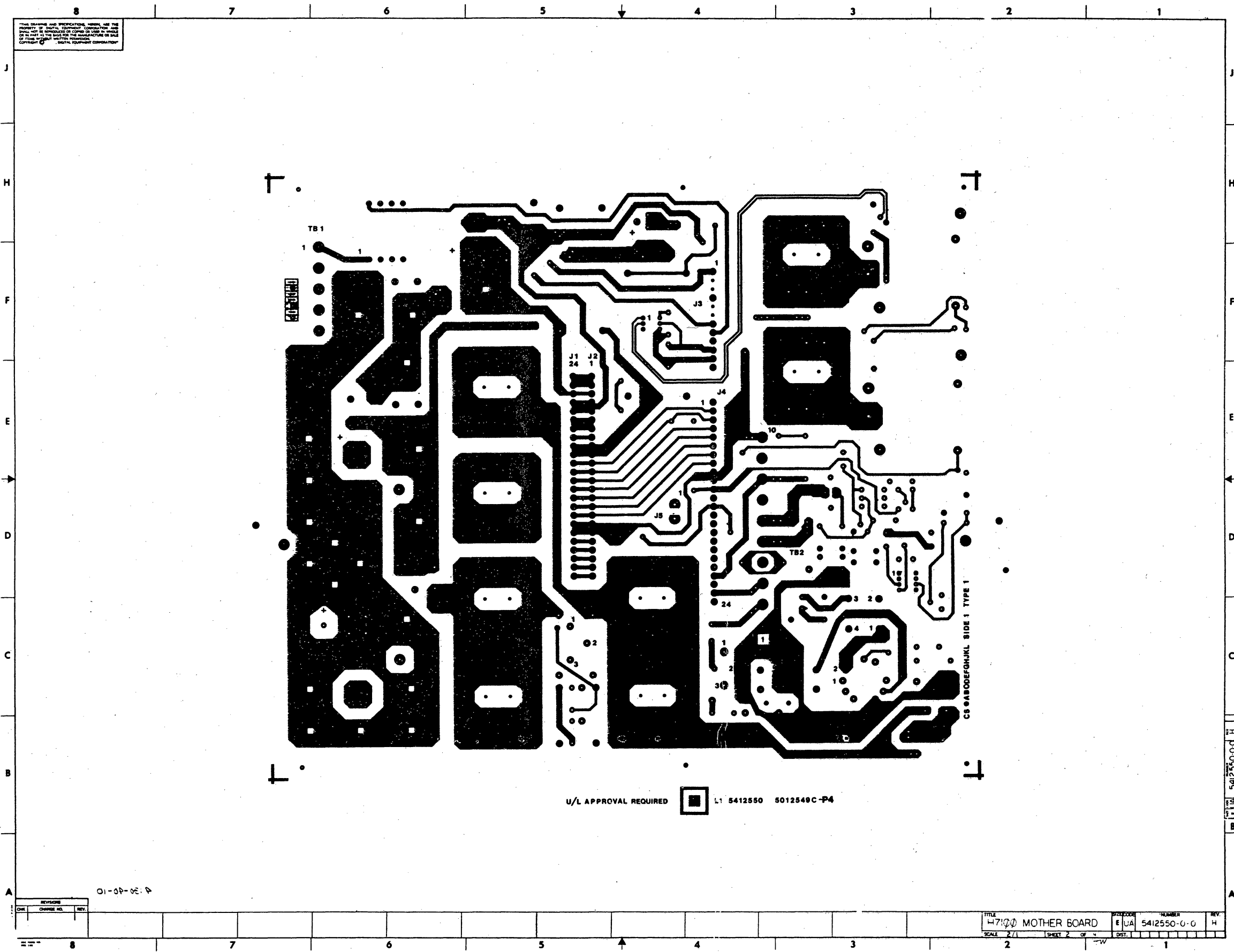
CHG	NO	REV	DATE	DESCRIPTION
1	1	1	7/27/79	INITIAL DESIGN
1	2	1	8/2/79	REVISED FOR MANUFACTURE

NO	REV	DATE	DESCRIPTION
1	1	7/27/79	INITIAL DESIGN
1	2	8/2/79	REVISED FOR MANUFACTURE

NO	REV	DATE	DESCRIPTION
1	1	7/27/79	INITIAL DESIGN
1	2	8/2/79	REVISED FOR MANUFACTURE

EUA5412550-0-0

THIS DRAWING AND SPECIFICATIONS, WHEN USED IN CONNECTION WITH THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION ARE TO BE USED IN CONNECTION WITH THE MANUFACTURE OR SALE OF THIS EQUIPMENT BY THE MANUFACTURER OR HIS LICENSEE. NO OTHER REPRODUCTION OR TRANSMISSION IS PERMITTED WITHOUT THE WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION.



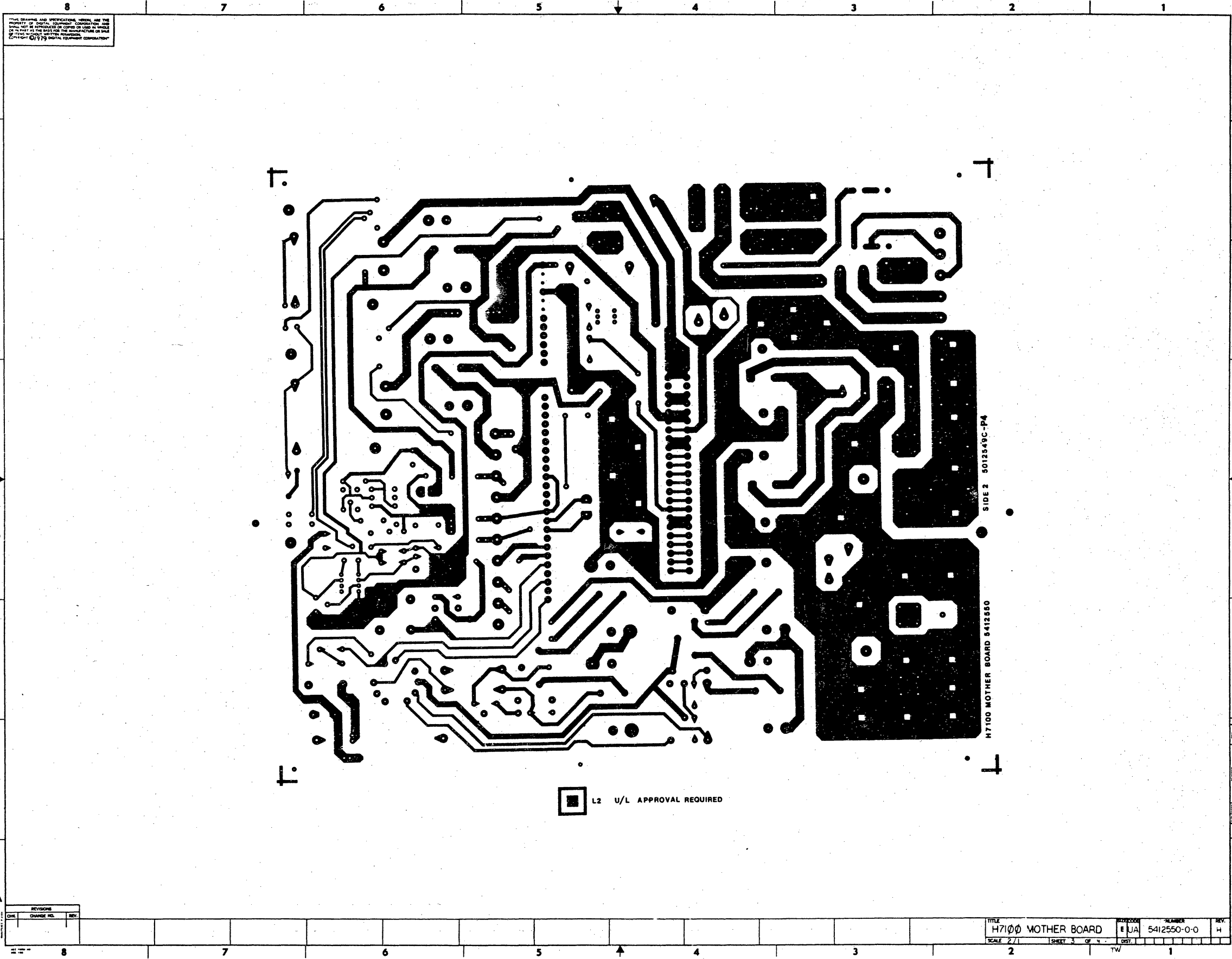
REV.	CHANGE NO.	REVISION

4-30-80-10

U/L APPROVAL REQUIRED L1 5412550 5012549C-P4

TITLE	NUMBER	REV.
MOTHER BOARD	5412550-0-0	H
SCALE 2/1	SHEET 2 of 2	DIST.

5412550-0-0 H



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	H7100 MOTHER BOARD	SIZE/SCALE	2/1	NUMBER	5412550-0-0	REV.	H
SHEET 3 OF 4		DATE					

H7100 MOTHER BOARD 5412550-0-0 H

8 7 6 5 4 3 2 1

THIS DRAWING AND SPECIFICATIONS HEREON ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION OF COMPANY / DESIG. EQUIPMENT CORPORATION

REWORK INSTRUCTIONS

COMPONENT DELETES (SIDE 1)

6-1 DELETE R33, ITEM 69, P/N 1901972-00.

COMPONENT ADDS (SIDE 1)

6-2 ADD DIODE D29, ITEM 75 CATHODE TO PTH TO THE LEFT OF J4-3.

6-3 ADD R33, ITEM 69, FROM D29-ANODE TO PTH TO THE LEFT OF D29.

J

H

F

E

D

C

B

A

J

H

F

E

D

C

B

A

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE
H7100 MOTHER BOARD

DOCUMENT NUMBER		
ORG	CLASS	REV
EUA	5412550-0-0	H

SCALE NONE SHEET 4 OF 4

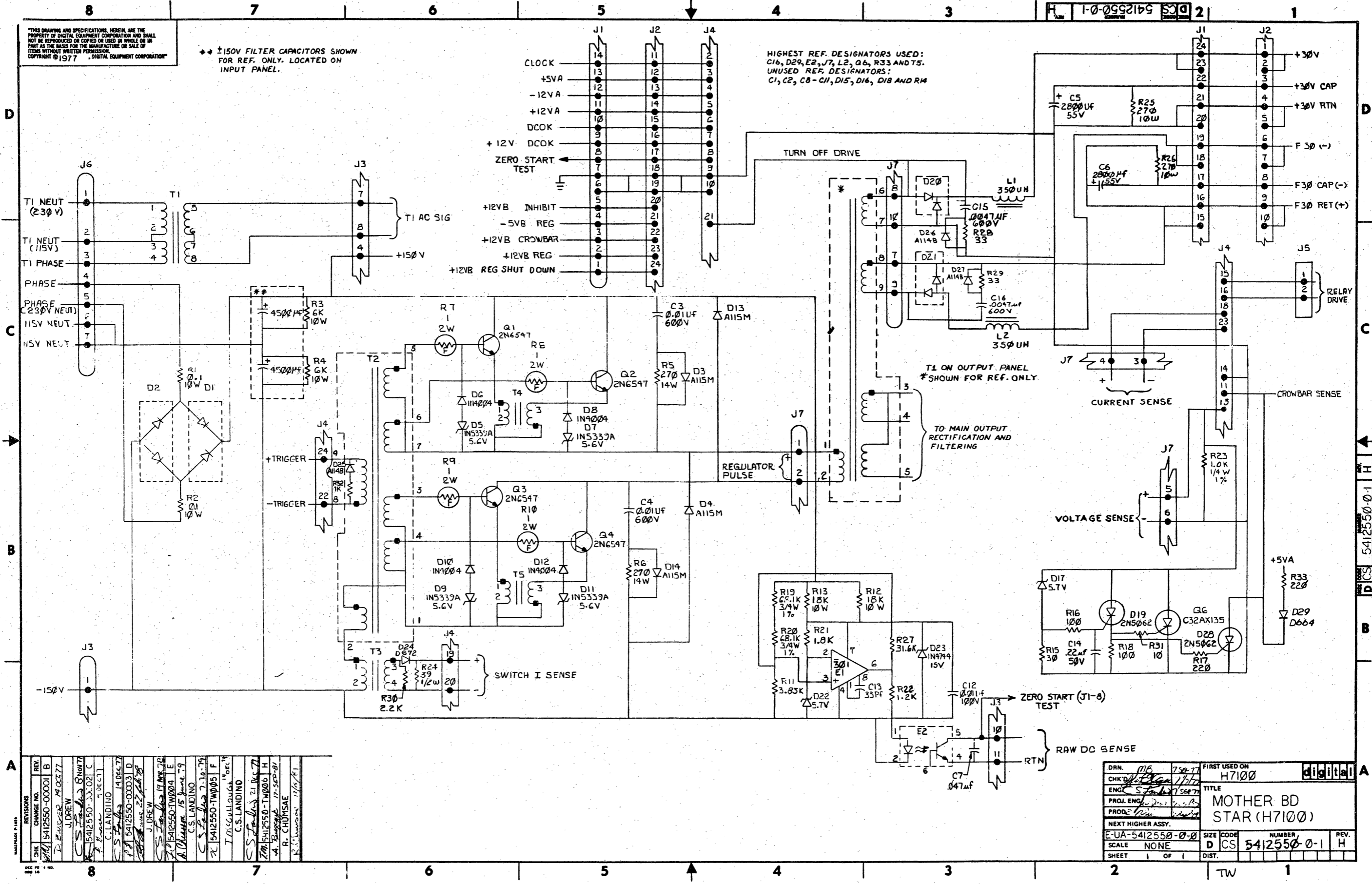
8 7 6 5 4 3 2 1

5412550-0-0 H

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 © 1977, DIGITAL EQUIPMENT CORPORATION

↑↑ 150V FILTER CAPACITORS SHOWN FOR REF. ONLY. LOCATED ON INPUT PANEL.

HIGHEST REF. DESIGNATORS USED: C16, D29, E2, J7, L2, Q6, R33 AND T5.
UNUSED REF. DESIGNATORS: C1, C2, C8-C11, D15, D16, D18 AND R4



REV.	DATE	BY	CHKD.	REVISIONS
1	11/17/77	J. DREW		INITIAL DESIGN
2	12/1/77	J. DREW		REVISIONS TO BOARD LAYOUT
3	12/1/77	J. DREW		REVISIONS TO BOARD LAYOUT
4	12/1/77	J. DREW		REVISIONS TO BOARD LAYOUT
5	12/1/77	J. DREW		REVISIONS TO BOARD LAYOUT
6	12/1/77	J. DREW		REVISIONS TO BOARD LAYOUT
7	12/1/77	J. DREW		REVISIONS TO BOARD LAYOUT
8	12/1/77	J. DREW		REVISIONS TO BOARD LAYOUT

DRN. <i>MB</i>	7/28/77	FIRST USED ON	H7100	digital
CHK'D. <i>[Signature]</i>	1/17/78	TITLE	MOTHER BD STAR (H7100)	
ENG. <i>[Signature]</i>	1/17/78	PROJECT	STAR (H7100)	
PROJ. ENG. <i>[Signature]</i>	1/17/78	PROD. <i>[Signature]</i>		
NEXT HIGHER ASSY.		SIZE CODE	NUMBER	REV.
E-UA-5412550-0-0		D CS	5412550-0-1	H
SCALE NONE		SHEET	1	OF 1
DIST.				

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
		D-MD-5012549-0-0	5012549-00	54-12550 PC BOARD	1		
			1000009-00	33.0 MMF 100V 5%200PPM MICA	1		C13
			1001610-01	.01 MFD50/100V +80-20% DISC	1		C12
			1014337-00	2800 MFD 55V 20% AL EL	2		C5,C6
			1011847-02	.01 MFD 600V 10% POLYPROP	2		C3,C4
			1011847-03	.0047 MFD 600V 10% POLYPROP	2		C15,C16
			1114192-01	TR=200NS COM. ANODE	1		D21
			1105648-00	1N 4744 VZ= 15.0 10% 1W	1		D23
			1105796-00	1N 4004 PIV=400 I= 1A D041 SP	4		D6,D8,D10,D12
			1105275-00	D 672 TR= 15NS PIV= 60V SI	1		D24
			1109519-00	*** THIS ITEM IS NOT USED ***	1		
			1110968-00	2N 5062 SCR@100V I= .8A T092	2		D19,D28
			1111205-00	SCREENED VZ= 5.7 2% .40W	2		D17,D22
			1112594-02	A115M PIV=600 I= 3A	4		D3,D4,D13,D14
			1114193-00	PIV=600 I=30A COM. CATH	1		D1
			1114193-01	PIV=600 I=30A COM. ANOD	1		D2
			1114196-00	1N 5339A VZ= 5.6 10% 5W	4		D5,D7,D9,D11
			1114192-00	TR=200NS COM. CATHODE	1		D20
			1214255-04	HEAT SINK, SINGLE, T03 W/THREADE	4		
			1214255-05	HEAT SINK, DOUBLE, T03 W/THREADE	2		
			1212297-00	MATE-N-LOK 2PIN UNIV HEADER	1		J5
			1214257-00	EDGE CARD 12POS STRAIGHT .156CC	1		J3
			1214257-02	EDGE CARD 24POS STRAIGHT .156CC	3		J4,J1,J2
			1213071-02	INSULATOR,RUBBER SILICONE SM	8		
			1300229-00	100.0 .25 W 5.0 % CC	2		R16,R18
			1300398-00	1.80 K .25 W 5.0 % CC	1		R21
			1301320-00	1.20 K .25 W 5.0 % CC	1		R22
			1303114-00	1.0 K .25 W 1.0 % RN55D-F10	1		R23
			1302466-00	*** THIS ITEM IS NOT USED ***	1		
			1302751-00	30.0 .25 W 5.0 % CC	1		R15

REVISION HISTORY		BASIC PART NO: 5412550		DRN: A.COLON	DATE: 01-AUG-79	D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: K.GLEEZEN	DATE: 01-AUG-79	TITLE	PARTS LIST
	INITIAL	E	SECTION VARIATION INDEX	DES.ENG: C.S.LANDINO	DATE: 01-AUG-79	MOTHER BD. STAR(H7100)	
CSL	TWO05	F	[A] 00	RESP.ENG.: C.S.LANDINO	DATE: 01-AUG-79	DOCUMENT NUMBER	
RC	5412550-TWO06	H	[B]	MFG.ENG.: E.BLAIR	DATE: 01-AUG-79	SIZE	CODE
			[C]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	NUMBER	REV
			[D]	D-UA-5412550-0-0		K	PL
			[E]			5412550-0-DBP	H
			[F]			FILE NAME:	EDIT #
			[G]			Z0628H.PLS	7
			[H]				
			[I]				
			[J]				
			[K]				
			[L]				
			[M]				
			[N]				

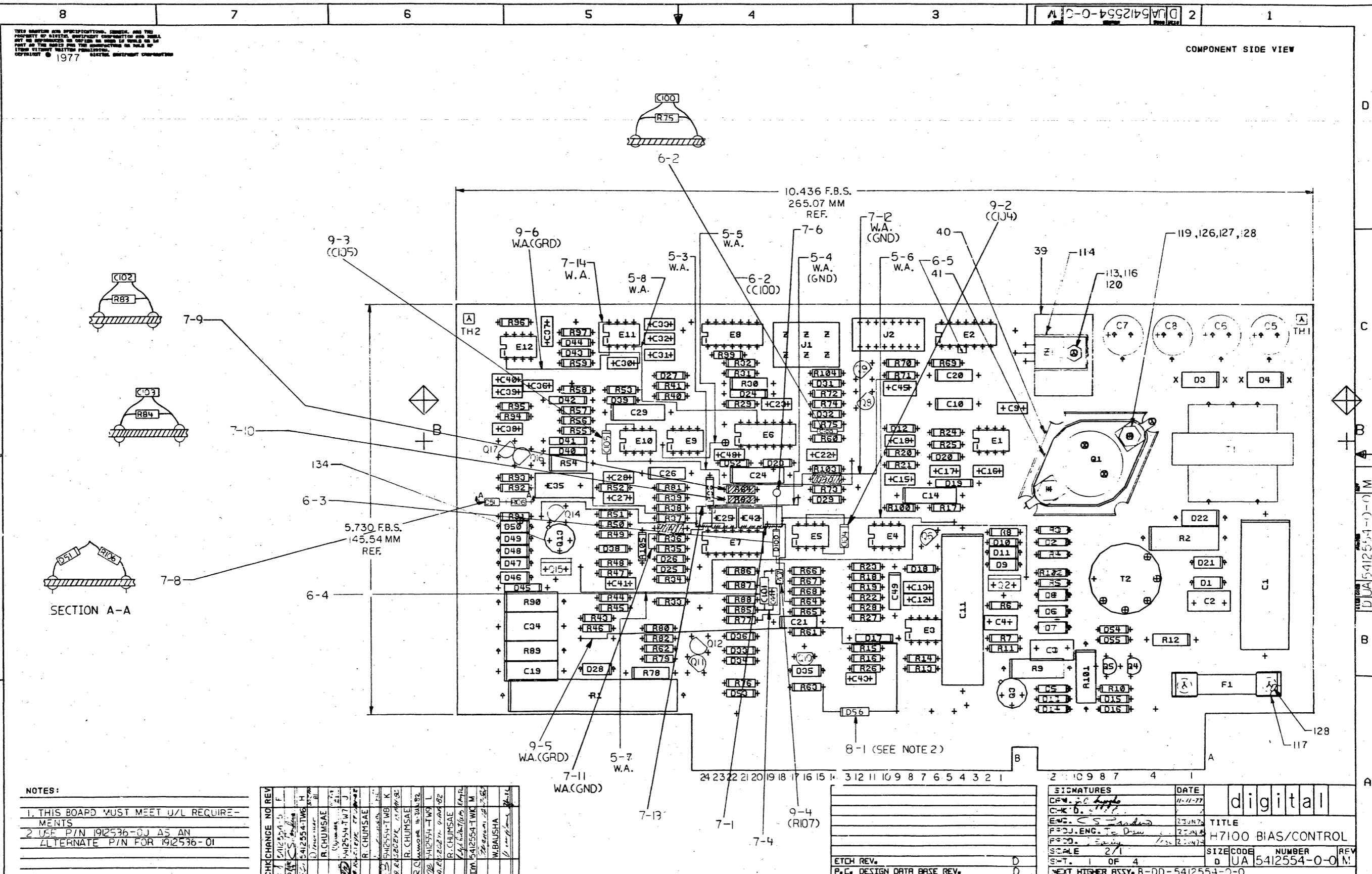
"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION"

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
31			1302884-00	68.10 K .75 W 1.0 % RN65D-F10	2	R19,R20
32			1309413-00	3.83 K .25 W 1.0 % RN55D-F10	1	R11
33			1309108-00	.10 W 1.0 % WW	1	R1,R2
34			1303297-00	6.0 K 10.0 W 5.0 % WW	1	R3,R4
35			1314172-00	270.0 14.0 W 5.0 % WW	1	R5,R6
36			1314350-00	1.0 2.0 W 10.0 % FUSE	1	R7-R10
37			1314544-00	270.0 10.0 W 5.0 % WW	1	R25,R26
38			1314173-00	18.0 K 10.0 W 5.0 % WW	1	R12,R13
39			1302336-00	39.0 .50 W 5.0 % CC	1	R24
40			1305419-00	31.60 K .25 W 1.0 % RN55D-F10	1	R27
41			1314351-00	33.0 5.0 W 10.0 % WW	1	R28,R29
42			1514195-00	2N 6547 NPN 400V SI 15A	4	Q1-Q4
43			1510928-00	C32AX135 SCR 100V I=25A	1	Q5
44			1612919-01	XFMR P=AB S= 12.6CT 100MA 50HZ	1	T1
45			1614204-00	PULSE XFMR 20312 BASE DRIVE	1	T2
46			1614202-00	XFMR CURRENT	1	T3
47			1614203-00	CHOKE, BALUN-COMMON MODE	1	T4,T5
48			1614334-00	1.6 UH 10A	1	L1,L2
49			1910282-00	301AN OP AMP	1	U1
50			1914194-00	OPTP-COUPLED ISOLATOR	1	
51			9000038-08	SCREW, PAN, PHIL 10-32X 7/16 BR/T	4	
52			9007906-00	WASHER, LOCK S.S. #10	4	
53			9006024-01	SCREW, PAN, PHIL 6-32X 1/2 SS	16	
54		BLANK	9009676-00	TERM. SOLDER BARRIER STR	16	
55			9010164-00	WASHER, FLAT, .380 OD X .203 ID	4	
56			9006656-00	WASHER, FLAT, .312 O.D. X .156 I	4	
57			9007801-00	WASHER, LOCK, S.S. #6	1	
58			9107688-33	*** THIS ITEM IS NOT USED ***	1	
59			1212484-05	TERM BLOCK 7POS	1	J6
60			1212484-04	TERM BLOCK 10POS .375 SPACING PC	1	J7
61			9006023-01	SCREW, PAN, PHIL 6-32X 7/16 SS	4	
62			1112595-01	A114B PIV=200 I= 1A	3	D25-D27
63			1300365-00	1.0 K .25 W 5.0 % CC	1	R32
64			9107560-03	*** THIS ITEM IS NOT USED ***	1	
65			9107278-11	*** THIS ITEM IS NOT USED ***	1	
66			9008376-00	*** THIS ITEM IS NOT USED ***	1	
67		BLANK	1300271-00	220.0 .25 W 5.0 % CC	2	R17,R33
68			1301317-00	10.0 .25 W 5.0 % CC	1	R31
69			1300417-00	2.20 K .25 W 5.0 % CC	1	R30
70			1012764-00	.047 MFD 50V +80-20% CER	1	C7
71			1010274-01	.22 MFD 50V +80-20% Z5U CER	1	C14
72			9007649-00	WASHER, LOCK, EXTERNAL TOOTH #6	16	
73			1100114-00	D 664 QS 75PCB PIV= 25V SP	1	D29

D	I	G	I	T	A	L	TITLE	MOTHER BD. STAR(H7100)	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5412550-0-DBP	H

THIS DRAWING AND SPECIFICATIONS, GENERAL AND THE PROPERTY OF SPECTRA EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF SPECTRA EQUIPMENT CORPORATION. 1977

COMPONENT SIDE VIEW



- NOTES:
1. THIS BOARD MUST MEET U/L REQUIREMENTS
 2. USE P/N 1912536-0J AS AN ALTERNATE P/N FOR 1912536-0I

CH	NO	REV	DATE	BY	CHK	APP	REASON
1	1	F	5/12/77	W.B.	W.B.		INITIAL DESIGN
2	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
3	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
4	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
5	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
6	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
7	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
8	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
9	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
10	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
11	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
12	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
13	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
14	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
15	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
16	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
17	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
18	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
19	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
20	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
21	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
22	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
23	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
24	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
25	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
26	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
27	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
28	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
29	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
30	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
31	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
32	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
33	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
34	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
35	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
36	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
37	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
38	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
39	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
40	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
41	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
42	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
43	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
44	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
45	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
46	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
47	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
48	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
49	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
50	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
51	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
52	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
53	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
54	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
55	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES
56	1	H	5/12/77	W.B.	W.B.		DESIGN CHANGES

SIGNATURES		DATE	digital
C.F.W. 20 [Signature]		11-11-77	
C.K. [Signature]			
E.N.C. [Signature]		23 JUN 78	
P.F.D.J. ENG. [Signature]		23 JUN 78	
SCALE 2/1			
S-T. 1 OF 4			
NEXT HIGHER ASSY. B-DD-5412554-0-0			
ETCH REV. D			
P.C. DESIGN DATA BASE REV. D			
TITLE		H7100 BIAS/CONTROL	
SIZE CODE		D UA 5412554-0-0 M	
NUMBER		REV	

TW 1 MS#260920

8

7

6

5

4

3

2

1

0197A

L1

5012553D

5412554

D

9-1

7-6

J1

J2

SIDE 1

F1

CS ABCDEFHJKLMNPR

digital
TYPE 1

U L APPROVED

R

A

VIEWED FROM SIDE 1

HEAD AS CONTROL BD

DUA 5412554-2-0 M

6

5

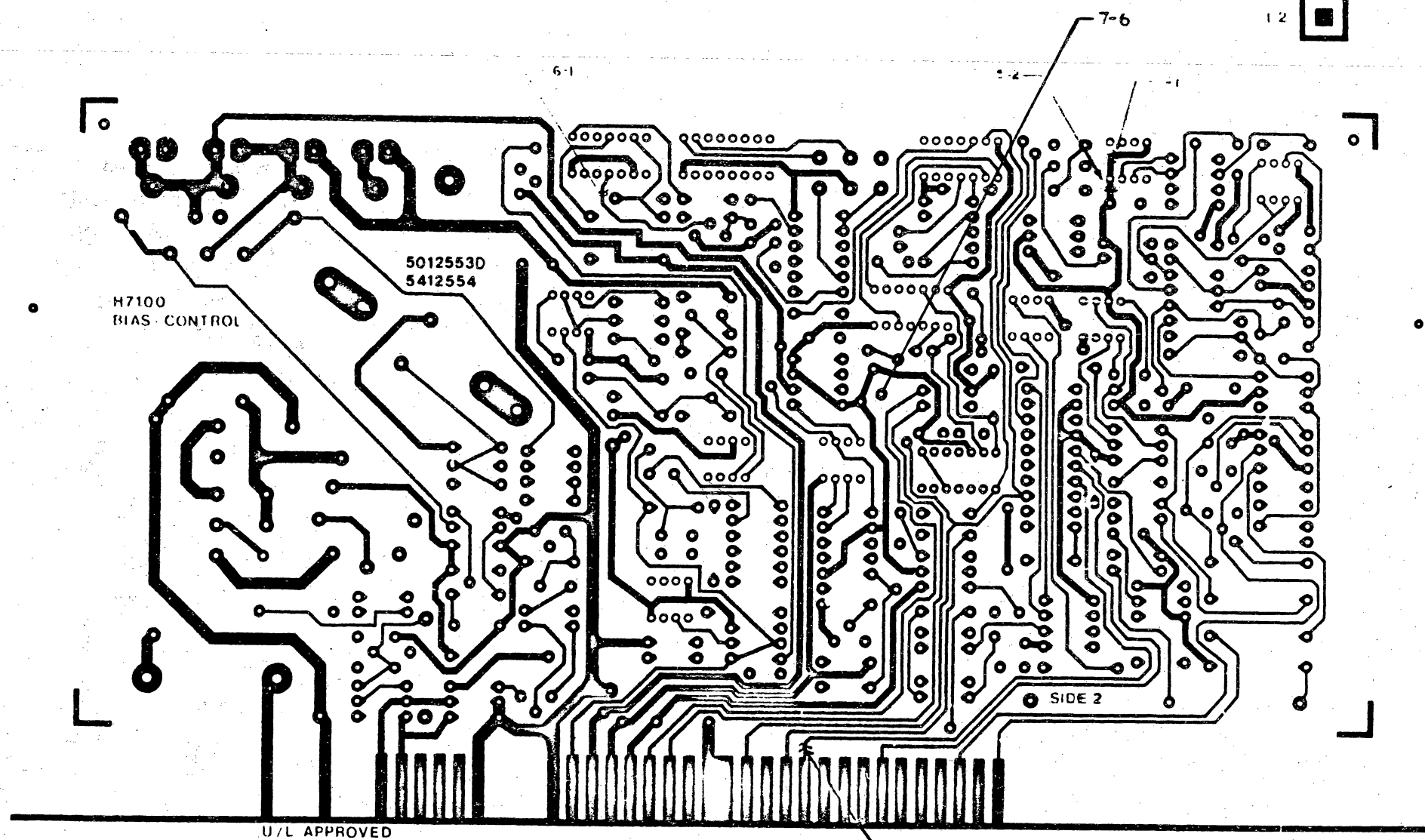
4

3

2

2

4



VIEWED FROM SIDE 1

A 1111 M

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 © 1979 DIGITAL EQUIPMENT CORPORATION

REWORK INSTRUCTIONS

ETCH CUT SIDE 2:

- 5-1 BETWEEN E11/4 & E11/8
- 5-2 BETWEEN E11/4 & C30
- 6-1 CUT ETCH FROM E8-12 AT E2-4
~~(NOTE THAT E2-4 AND E2-3 ARE REVERSED ON SCHEMATIC)~~

COMPONENT ADD SIDE 1:

- 6-2 ADD C100 IN PARALLEL WITH R75
- 6-3 ~~ADD D100 WITH SLEEVING P/N 9107256-11 ON LEADS ANODE TO THE JUNCTION OF R63, R64, R65, C21, AND CATHODE TO E8-12 USING P/N 9005710-55~~
- 6-4 ADD C101 FROM RIGHT HAND SIDE OF R85 (GROUND) TO PLATED THRU HOLE BY RIGHT HAND SIDE OF R86.

WIRE ADDS SIDE 1:

- 5-3 FROM E10/4 TO FEEDTHRU RIGHT OF R103
- 5-4 FROM D29/ANODE TO FEEDTHRU BELOW C27
- 5-5 FROM E9/8 TO FEEDTHRU NEAR E6/1
- 5-6 FROM Q14/EMITTER TO C11/+
- 5-7 FROM FEEDTHRU RIGHT OF Q15 TO FEEDTHRU RIGHT OF Q2
- 5-8 FROM E11/4 TO E6/12
- 5-9 FROM E11/8 TO C30
- 6-5 FROM E2-3 TO E2-4

542554-TW007

WIRE DELETES SIDE 1:

- 7-1 DELETE FROM Q14/EMITTER TO C11/+
- 7-2 DELETE FROM E11-PIN 8 TO C30 LH SIDE

COMPONENT DELETES SIDE 1:

- 7-3 DELETE C47
- 7-4 DELETE D30
- 7-5 REFER TO EC-502553-0-0 FOR ETCH CUTS

COMPONENT ADDS SIDE 1:

- 7-6 DRILL #54 HOLE TO RIGHT OF R83 AND R84 AVOID TRACES ON BOTH SIDES. INSERT SWAGE ITEM 137, ADD D100 WITH ITEM 130 ON LEADS, ANODE LH SIDE OF R64, CATHODE TO DRILL HOLES.

- 7-7 RELOCATE C44, ONE LEAD TO RH SIDE OF R85, OTHER LEAD TO FEED-THRU RIGHT OF R87 AND R88.
- 7-8 ADD R106 (ITEM 46) IN SERIES WITH D51 CATHODE.
- 7-9 ADD C102 (ITEM 15) IN PARALLEL WITH R83.
- 7-10 ADD C103 (ITEM 15) IN PARALLEL WITH R84.

WIRE ADDS SIDE 1:

- 7-11 R35 LH SIDE TO E7-12
- 7-12 CATHODE D100 TO FEEDTHRU BETWEEN C45 AND R71.
- 7-13 Q14/EMITTER TO C11/+ ROUTE OVER C25, C42
- 7-14 E11-PIN 8 TO C30 RH SIDE

542554-TW008

COMPONENT ADDS SIDE 1:

- 8-1 ADD D56 CATHODE TO RH SIDE OF R63, ANODE TO PTH OVER B9-1 (GROUND).

542554-TW009

ETCH CUT SIDE 1

- 9-1 REFER TO D-EC-502553-0-0 FOR ETCH CUTS.

COMPONENT ADDS SIDE 1

- 9-2 ADD C104 TO RIGHT RIGHT OF E5, WITH (+) LEAD TO E5-7 AND MINUS (-) LEAD TO E5-4, USING P/N 9107256-11 ON (+) LEAD.
- 9-3 ADD C105 TO LEFT OF E10 WITH PLUS (+) LEAD TO E10-7 AND MINUS (-) LEAD TO E10-4 USING P/N 9107256-11 ON LEADS.
- 9-4 ADD R107 TO LEFT OF R66, R67, AND R68, USING P/N 9107256-11 ON LEADS, ONE LEAD TO FEED THRU RIGHT OF C42, OTHER LEAD TO RH SIDE OF R77.

WIRE ADDS SIDE 1

- 9-5 FROM FEED THRU UNDER R46 LH SIDE TO D56 ANODE, (ITEM 136).
- 9-6 FROM E11-1 TO E12-1, (ITEM 131).

REVISION HISTORY		
DATE	ECO NUMBER	REV.

TITLE
 F-100 BIAS CONTROL

DOCUMENT NUMBER		
SIZE CODE	NUMBER	REV.
DUA	542554-0-0	M
SCALE NONE		SHEET 4 OF 4

SIZE CODE NUMBER
 DUA 542554-0-0
 REV. M

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
1	1	D-MD-5012553-0-0	5012553-00	5412554	1		
2	2		1000009-00	33.0 MMF 100V 5%200PPM MICA	1		C15
3	3		1000042-00	1000.0 MMF 100V 5%200PPM MICA	4		C13,C32,C33,C39
4	4		1000055-00	2200.0 MMF 250V 20% Y5S DISC	1		C23
5	5		1000064-00	3.9MFD 10V 10% S.TANT	1		C20
6	6		1001610-01	.01 MFD50/100V +80-20% DISC	9		C12,C16,C18,C22,C31,C36,C38,C41,C43
7	7		1001776-00	1 MFD 35V 10% S.TANT	4	CONT	C10,C49,C104,C105
8	8		1002180-00	.15 MFD 35V 20% S.TANT	1		C21
9	9		1000026-00	680.0 MMF 100V 5%200PPM MICA	2		C4,C28
10	10		1002504-00	3600.0 MMF 100V 5%200PPM MICA	1		C3
11	11		1002627-00	2.2MFD 20V 10% S.TANT	1		C26
12	12		1004813-00	10 MFD 20V 10% S.TANT	1		C14
13	13		1005306-00	6.8MFD 35V 10% S.TANT	1		C29
14	14		1013280-00	680.0 MMF 1000V 5%200PPM MICA	1		C2
15	15		1010978-36	.1 MFD 50V 10% CER	10	CONT	C9,C27,C30,C40,C101,C25,C42,C44,C102,C103
16	16		1012607-00	560 MFD 20V+100-10% AL EL	4		C5-C8
17	17	BLANK		*** THIS ITEM IS NOT USED ***	-		
18	18		1011849-01	600 MFD 25V +75-10% AL EL	1		C11
19	19		1013669-04	1 MFD 400V 10% M.POLYPROP	1		C1
20	20		1013291-01	.22 MFD 80V 10% MYLR	1		C34
21	21		1014430-00	.022 MFD 270V 10% M.POLYPROP	1		C19
22	22		1011847-01	.01 MFD 400V 10% POLYPROP	1		C35
23	23		1100114-00	D 664 QS\75PCB PIV= 25V SP	19	CONT	D23,D25-D27,D29,D31-D34,D36,D39,D38,D43,D44,D52-D55,D100
24	24		1102495-00	VZ= 3.3 5% .25W	1		D24
25	25		1100125-00	1N 758A VZ= 10.0 5% .40W PPE	1		D17
26	26		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	8		D2,D5,D12-D16,D51
27	27		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	2		D19,D42

REVISION HISTORY			BASIC PART NO: 5412554		DRN:	R. BUREAU	DATE:	02-FEB-79	D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A	OF A	CHK'D:	T. SHETRAWSKI	DATE:	02-FEB-79	TITLE		PARTS LIST	
CL	5412554-ML05A	F	SECTION VARIATION INDEX						H7100 BIAS CONTROL			
RC	5412554-TW006	H	[A]	00								
RC	5412554-TW007	J	[B]									
RC	5412554-TW008	K	[C]		DES.ENG:	C. LANDINO	DATE:	02-FEB-79				
RC	5412554-TW009	L	[D]									
WB	5412554-TW010	M	[E]		RESP.ENG.:	C. LANDINO	DATE:	02-FEB-79	DOCUMENT NUMBER			
			[F]						SIZE	CODE	NUMBER	REV
			[H]						K	PL	5412554-0-DBP	M
			[J]		MFG.ENG.:	E. BLAIR	DATE:	02-FEB-79	TOP DOCUMENT NUMBER:		FILE NAME:	
			[K]								EDIT #:	
			[L]		ASSEMBLY NUMBER:				D-UA-5412554-0-0		Z0426M.PLS	
			[M]								27	
			[N]									

"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 (C) 1983. DIGITAL EQUIPMENT CORPORATION "

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
28	28		1109990-00	1N 757A VZ= 9.1 5% .40W P	1		D40
29	29		1110836-00	1N 759A VZ= 12.0 5% .40W	1		D45
30	30		1105275-00	D 672 TR= 15NS PIV= 60V SI	3		D10,D18,D20
31	31		1111205-00	SCREENED VZ= 5.7 2% .40W	1		D41
32	32		1112594-01	A115B PIV=200 I= 3A	2		D3,D4
33	33	BLANK		*** THIS ITEM IS NOT USED ***	-		
34	34		1112595-01	A114B PIV=200 I= 1A	11		D6-D9,D11,D35,D46-D50
35	35		1112595-02	A114M PIV=600 I= 1A	3		D1,D21,D28
36	36		1113123-00	1.5K3200 VOLT.TRANS.SUPPRESS. 220	1		D22
37	37		1211813-02	SKT,IC 16PIN DIP GOLD PC M	1		J2
38	38		1212297-05	MATE-N-LOK 06PIN(2X03).250CC HDR	1		J1
39	39		1212487-01	HEAT SINKS,EXTRUSION 00.71X01.0	1		
40	40		1213426-01	HEAT SINK,TO-3 1.880X01.4	1		
41	41		1213071-02	INSULATOR,RUBBER SILICONE SM	1		
42	42		1300229-00	100.0 .25 W 5.0 % CF	3		R3,R73,R79
43	43		1300285-00	270.0 .50 W 5.0 % CF	1		R12
44	44		1300287-00	270.0 1.0 W10.0 % CC	3		R9,R89,R101
45	45		1300247-00	120.0 .25 W 5.0 % CF	1		R29
46	46		1300316-00	470.0 .25 W 5.0 % CF	4		R5,R91,R8,R106
47	47		1300347-00	680.0 .50 W 5.0 % CF	1		R78
48	48		1300365-00	1.0 K .25 W 5.0 % CF	18		R6,R7,R11,R13,R16,R20,R22,R23, CONT R71,R72,R74,R82-R84,R98,R99,R75, CONT R107
49	49		1300391-00	1.50 K .25 W 5.0 % CF	3		R32,R76,R10
50	50		1300417-00	2.20 K .25 W 5.0 % CF	2		R31,R33
51	51		1300421-00	2.20 K 2.0 W10.0 % CC	1		R2
52	52		1300432-00	3.0 K .25 W 5.0 % CF	3		R44,R60,R70
53	53		1300447-00	4.70 K .25 W 5.0 % CF	4		R86,R53,R26,R61
54	54		1300479-00	10.0 K .25 W 5.0 % CF	5		R18,R55,R81,R103,R104
55	55		1300439-00	3.30 K .25 W 5.0 % CF	1		R62
56	56		1300495-00	15.0 K 1.0 W10.0 % CC	1		R90
57	57		1300496-00	15.0 K .25 W 5.0 % CF	2		R15,R58
58	58		1300507-00	27.0 K .50 W10.0 % CF	1		R30
59	59		1302398-00	470.0 K .25 W 5.0 % CF	2		R39,R38
60	60		1300539-00	120.0 K .25 W 5.0 % CF	1		R34
61	61		1305346-00	27.0 K .25 W 5.0 % CF	1		R37
62	62		1300202-00	47.0 .25 W 5.0 % CF	3		R4,R46,R40
63	63		1303067-00	422.0 .25 W 1.0 % RN55D-F10	1		R95
64	64		1302177-00	47.0 K .25 W 5.0 % CF	1		R66
65	65		1302873-00	261.0 .25 W 1.0 % RN55D-F10	1		R47
66	66		1310597-00	100.0 10.0 W 5.0 % WW	1		R1
67	67		1300309-00	390.0 .25 W 5.0 % CF	1		R77
68	68		1302389-00	4.30 K .25 W 5.0 % CF	2		R51,R19
69	69		1302411-00	511.0 .25 W 1.0 % RN55D-F10	3		R68,R36,R45
70	70		1302466-00	100.0 K .25 W 5.0 % CF	1		R21
71	71		1302514-00	39.0 K .25 W 5.0 % CF	2		R49,R57
72	72		1302685-00	909.0 .25 W 1.0 % RN55D-F10	1		R67
73	73	BLANK		*** THIS ITEM IS NOT USED ***	-		

D	I	G	I	T	A	L	TITLE	H7100 BIAS CONTROL	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5412554-0-DBP	M

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
74	74		1304856-00	4.64 K .25 W 1.0 % RN55D-F10	1	R93
75	75		1303303-00	2.61 K .25 W 1.0 % RN55D-F10	1	R27
76	76		1303313-00	12.10 K .25 W 1.0 % RN55D-F10	2	R52,R69
77	77		1303362-00	205.0 K .50 W 1.0 % RN60D-F10	1	R54
78	78		1304833-00	1.96 K .25 W 1.0 % RN55D-F10	2	R28,R63
79	79		1304858-00	348.0 .25 W 1.0 % RN55D-F10	2	R87,R88
80	80		9007201-00	PAD,MOUNTING,COMPONENT	2	
81	81		1305265-00	39.20 K .25 W 1.0 % RN55D-F10	1	R96
82	82		1304841-00	75.0 K .25 W 5.0 % CF	1	R50
83	83		1305324-00	4.99 K .25 W 1.0 % RN55D-F10	1	R85
84	84		1301422-00	7.50 K .25 W 5.0 % CF	1	R80
85	85		1309419-00	19.60 K .25 W 1.0 % RN55D-F10	1	R92
86	86		1305421-00	35.70 K .25 W 1.0 % RN55D-F10	1	R25
87	87		1309417-00	27.40 K .25 W 1.0 % RN55D-F10	1	R59
88	88		1312482-00	2.70 .25 W 5.0 % CF	1	R94
89	89		1310881-00	1.0 K .25 W 1.0 % FUSE	3	R48,R56,R64
90	90		1311522-00	200.0 .25 W 5.0 % CF	1	R14
91	91		1311594-00	30.10 K .25 W 1.0 % RN55D-F10	1	R24
92	92		1302377-00	39.0 .25 W 5.0 % CF	1	R43
93	93		1300197-00	33.0 .25 W 5.0 % CF	1	R41
94	94		1313476-00	51.10 K .25 W 1.0 % RN55D-F10	1	R35
95	95		1300426-00	2.70 K .25 W 5.0 % CF	1	R97
96	96		1509649-01	3762 PNP 4W SI 40 35	1	Q3
97	97		1510705-00	XA 05 NPN 500MW SI 60 50 P	4	Q4,Q5,Q10,Q12
98	98		1510706-00	XA 55 PNP 500MW SI 60 50 P	7	Q6,Q8,Q9,Q11,Q16,Q17,Q14
99	99		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	Q13
100	100		1512782-00	BUY69A NPN 100N S1325 15	1	Q1
101	101		1512790-00	D 44C12 NPN 30W SI	1	Q2
102	102		1514271-01	D 44Q5 NPN 31W SI225 30	1	Q15
103	103		1614209-00	PULSE XFMR,RATIO 1:8:32	1	T2
104	104		1614201-00	XFMR,POWER,PC MNT 20KHZ 30W	1	T1
105	105		1909373-00	9601 ONE SHOT,RETRIGGERAB	1	E2
106	106		1910282-00	301AN OP AMP	3	E4,E5,E10
107	107		1914432-00	75454 DRIVER,PERIPH,DUAL,	1	E9
108	108		1911944-00	555CN TIMER,FUNCT.BLOCK	4	E1,E3,E11,E12
109	109		1912838-00	LS132 NAND GATE-QUAD 2IN P	1	E6
110	110		1912108-00	339 VOLT CMPRTR,QUAD	1	E7
111	111	(SEE NOTE 2)	1912536-01	7805 VOLT REG,FIX +5V	1	Z1
112	112		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1	E8
113	113		9006557-00	NUT,HEX EXT TOOTH LCKWSHR 4-40	1	
114	114		9009769-00	WASHER,RECTNGLR STEEL	1	
115	115		9007203-00	CLIP, FUSE, WITH STOP, SCREW MOU	2	
116	116		1213071-06	INSULATOR,RUBBER SILICONE	1	
117	117		1215536-01	FUSE, REG BLOW, 2.000A 250V, C	1	F1
118	118		9009000-00	EYELET,ROLLED 0.1210DX0.156	2	
119	119		9009676-00	TERM,SOLDER BARRIER STR	2	
120	120		9006011-01	SCREW,MACH PAN PHIL 4-	1	
121	121		1014169-00	1000.0 MMF 100V 1*200PPM MICA	2	C17,C37

D	I	G	I	T	A	L	TITLE	H7100 BIAS CONTROL	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5412554-0-DBP	M

AUTOMATED BY PRTLST.3H(22)

P A R T S L I S T

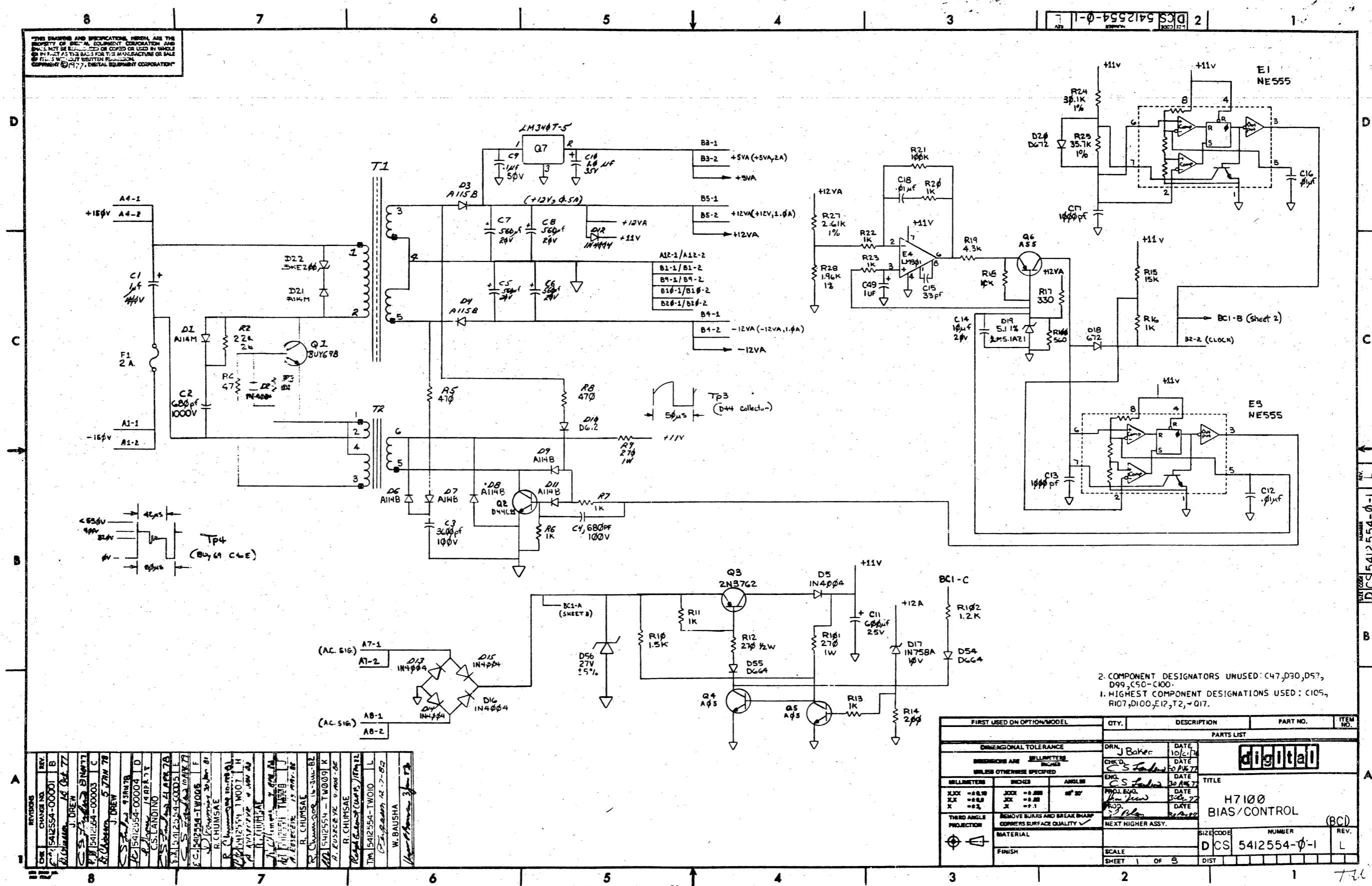
SHEET A4 OF A4

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
122	122		1001765-00	.005 MFD 100V 20% Z5T DISC	1	C48
123	123		1301320-00	1.20 K .25 W 5.0 % CF	1	R102
124	124		1313155-00	604.0 .25 W 1.0 % RN55D-F10	1	R65
125	125		1301890-00	560.0 .25 W 5.0 % CF	1	R100
126	126		9006023-01	SCREW,MACH PAN PHIL 6-	2	
127	127		9007801-00	WASHER,HELICAL SPLIT SST	2	
128	128		9006558-00	NUT,HEX 6-32X .307AF CS/C	2	
129	129		1010274-00	.22 MFD 50V +80-20% Z5U CER	2	C45,C100
130	130		9107256-11	TUBING,TEFLON .027ID	A/R	
131	131		9105740-55	WIRE(WRAP) 30AWG KYNAR UL14	A/R	
132	132		1300295-00	330.0 .25 W 5.0 % CF	1	R17
133	133		1302871-00	1.21 K .25 W 1.0 % RN55D-F10	1	R105
134	134		9008351-00	CAP,TRANSISTOR .320 ID	1	
135	135		1000076-00	39 MFD 10V 10% S.TANT	1	C24
136	136		9107688-55	WIRE(WRAP) 24AWG KYNAR UL13	A/R	
137	137		1210244-01	GRIPLET, .050 STRIP FORM	1	
138	138	(SEE NOTE 1)	1102369-00	1N 3030B VZ= 27.0 5% 1W Y	1	D56

139 NOTE: 1. USE P/N 1105652-00 AS AN ALTERNATE P/N FOR 1102369-00.
 140 NOTE: 2. USE P/N 1912536-00 AS AN ALTERNATE P/N FOR 1912536-01.

D	I	G	I	T	A	L	TITLE	H7100 BIAS CONTROL	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5412554-0-DBP	M

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF GEORGE A. 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 ANY EQUIPMENT WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977, GEORGE A. EQUIPMENT CORPORATION.



REV.	CHANGE NO.	BY	DATE
1	1	SALESSA-00001	B
2	1	SALESSA-00001	B
3	1	SALESSA-00001	B
4	1	SALESSA-00001	B
5	1	SALESSA-00001	B
6	1	SALESSA-00001	B
7	1	SALESSA-00001	B
8	1	SALESSA-00001	B

2. COMPONENT DESIGNATORS UNUSED: C47, D30, D57, D99, C50-C100.
 1. HIGHEST COMPONENT DESIGNATIONS USED: C105, R107, D100, E12, T2, Q17.

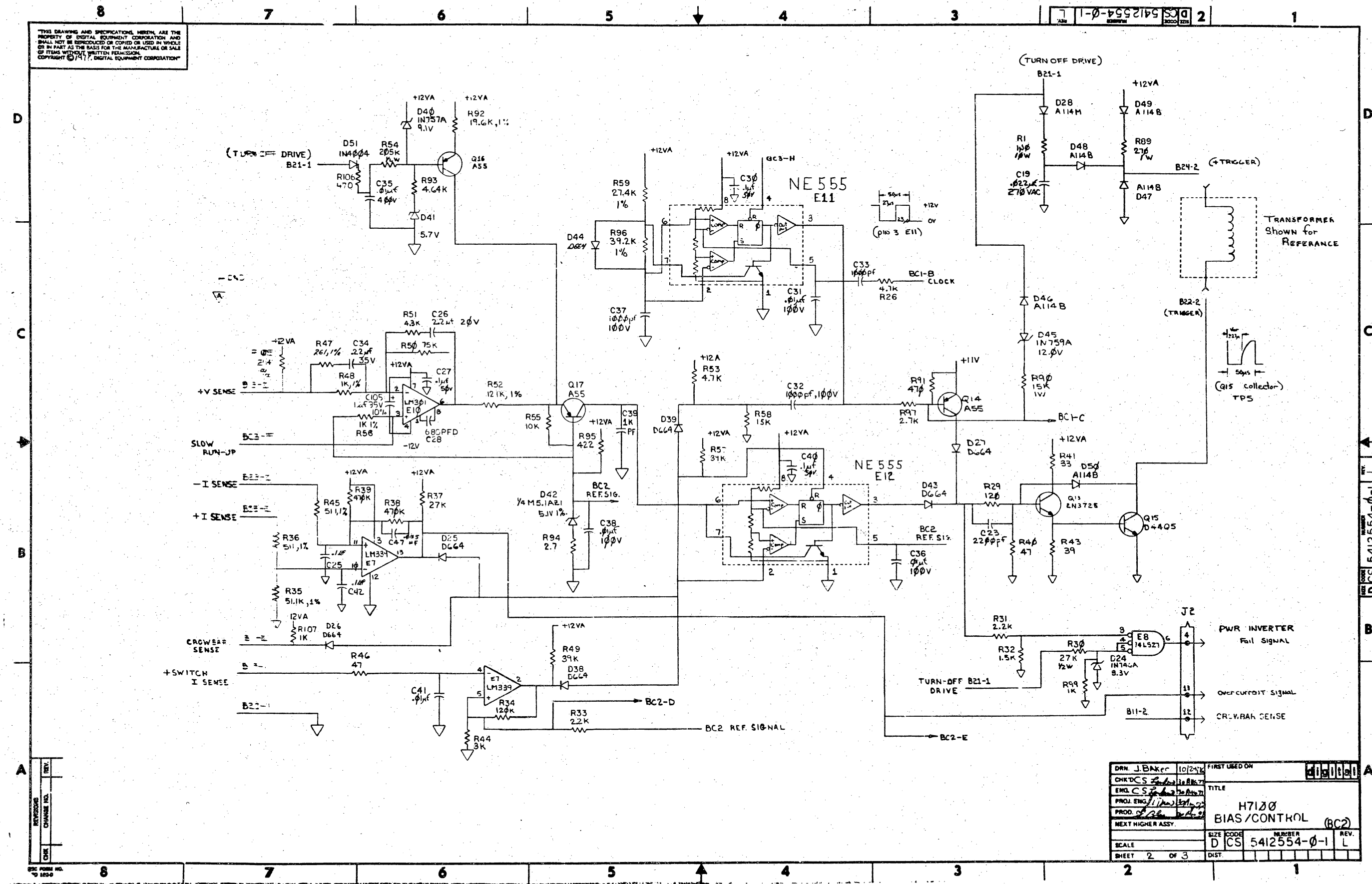
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
DIMENSIONAL TOLERANCE		DRN J Baker DATE 10/2/77			
DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED		CHK'D S. S. DATE 20 AUG 77			
MILLIMETERS		ENG S. S. DATE 30 AUG 77			
±.005	±.005	DATE 30 AUG 77			
±.010	±.010	DATE 30 AUG 77			
±.020	±.020	DATE 30 AUG 77			
THIRD ANGLE PROJECTION		NEXT HIGHER ASSY.			
MATERIAL		SCALE		SIZE CODE	NUMBER
FINISH		SHEET 1 OF 3		DCS 5412554-0-1	REV. L



H7100
BIAS/CONTROL (BC)

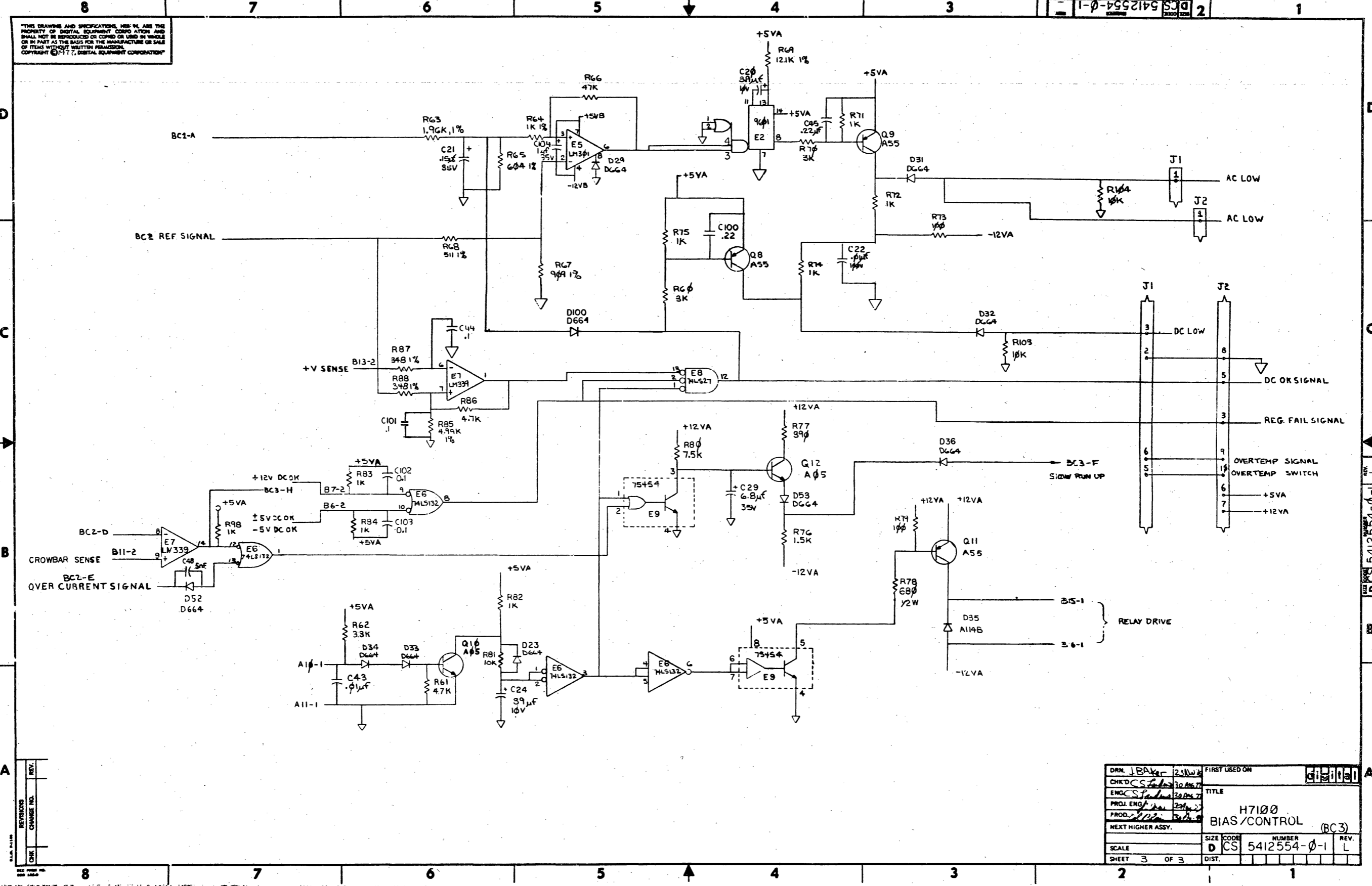
DCS 5412554-0-1

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 THE WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION.



DRN. J. Baker	10/24/72	FIRST USED ON	Digital
CHK. C.S.	11/18/72	TITLE	H7100 BIAS/CONTROL (BC2)
PROJ. ENG. J. Baker	11/18/72	SIZE CODE	D CS 5412554-0-1
PROD. OF 20	11/18/72	NUMBER	REV. L
NEXT HIGHER ASSY.		SCALE	
		SHEET 2 OF 3	DIST.

THIS DRAWING AND SPECIFICATIONS HERIN 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 © 1977, DIGITAL EQUIPMENT CORPORATION



REV.	
CHG.	
CHANGE NO.	
REVISIONS	

DRN JBAKer	2/21/77	FIRST USED ON	6181000
CHK'D CS	3/20/77	TITLE	
ENGR CS	3/20/77		
PROJ ENGR	3/20/77		
PROD. DATE	3/20/77		
NEXT HIGHER ASSY.			
SCALE	D	SIZE CODE	CS
SHEET 3 OF 3		NUMBER	5412554-0-1
		REV.	L