

"THE MATERIAL HEREIN IS FOR INFORMATION PURPOSES ONLY  
AND IS SUBJECT TO CHANGE WITHOUT NOTICE. DIGITAL EQUIPMENT  
CORPORATION ASSUMES NO RESPONSIBILITY FOR ANY ERRORS  
WHICH MAY APPEAR HEREIN."

# FIELD MAINTENANCE PRINT SET

"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 MANU-  
FACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979  
DIGITAL EQUIPMENT CORPORATION."

# TABLE OF CONTENTS

B-TC-VT1Ø3-Ø-2	FIELD MAINT. PRINT SET
E-UA-VT1Ø3-Ø-Ø	UNIT ASSY, VT1Ø3
B-PL-VT1Ø3-Ø-Ø	UNIT ASSY, VT1Ø3
E-AD-7017566-0-0	MONITOR ASSY, VT1Ø3
B-PL-7017566-0-0	MONITOR ASSY, VT1Ø3
E-UA-5413009-0-0	BASIC VIDEO BOARD
K-PL-5413009-0-0	BASIC VIDEO BOARD (PL)
D-CS-5413009-0-1	BASIC VIDEO BOARD (CS)
D-UA-5414131-0-0	VT1ØØ MONITOR
D-CS-5414131-0-0	VT1ØØ MONITOR
B-PL-5414131-0-0	VT1ØØ MONITOR
E-UA-5413404-0-0	KEYBOARD ASSY
K-PL-5413404-0-0	KEYBOARD ASSY (PL)
D-CS-5413404-0-1	KEYBOARD ASSY (CS)
D-AD-7015765-0-0	KEYBOARD/KEYCAP ASSY
C-PL-7015765-0-0	KEYBOARD/KEYCAP ASSY (PL)
D-AR-7015765-0-1	KEYCAP ARRANGEMENT(MAIN.ARRAY & NUMERIC)
D-IA-7014978-0-0	POWER CABLE ASSY
D-UA-H7835-0-0	POWER SUPPLY ASSEMBLY
K-PL-H7835-Ø-DBP	POWER SUPPLY ASSEMBLY
D-IA-7016691-0-0	LINE FILTER ASSY
E-UA-5413739-0-0	POWER SUPPLY BOARD, H7835
K-PL-5413739-0-0	POWER SUPPLY BOARD (PL)
D-CS-5413739-0-0	POWER SUPPLY BOARD (CS)
E-UA-5412528-0-0	POWER MONITOR BOARD
K-PL-5412528-0-0	POWER MONITOR BOARD (PL)
D-CS-5412528-0-0	POWER MONITOR BOARD (CS)
E-AD-7015854-0-0	HSG/MODULE ASSY, TAPE DRIVE
D-AD-7015510-0-0	CARTRIDGE DRIVE
E-UA-5413489-0-0	TU58 ASSY, SERIAL
K-PL-5413489-0-0	TU58 ASSY, SERIAL
D-CS-5413489-0-0	TU58 ASSY, SERIAL
D-IA-7016756-0-0	CABLE ASSY, TU58 POWER
D-IA-7011411-0-0	CABLE ASSY, 10-COND. RIBBON
D-UA-5414350-0-0	STP CONNECTOR CARD (UA)
D-CS-5414350-0-1	STP CONNECTOR CARD (CS)
B-PL-5414350-0-0	STP CONNECTOR CARD (PL)
C-AD-7016815-0-0	MODULE RETAINER ASSEMBLY
MPØØ728	FIELD MAINT. PRINT SET(BACKPLA

## **Field Maintenance Print Set**

# Digital Equipment Corporation

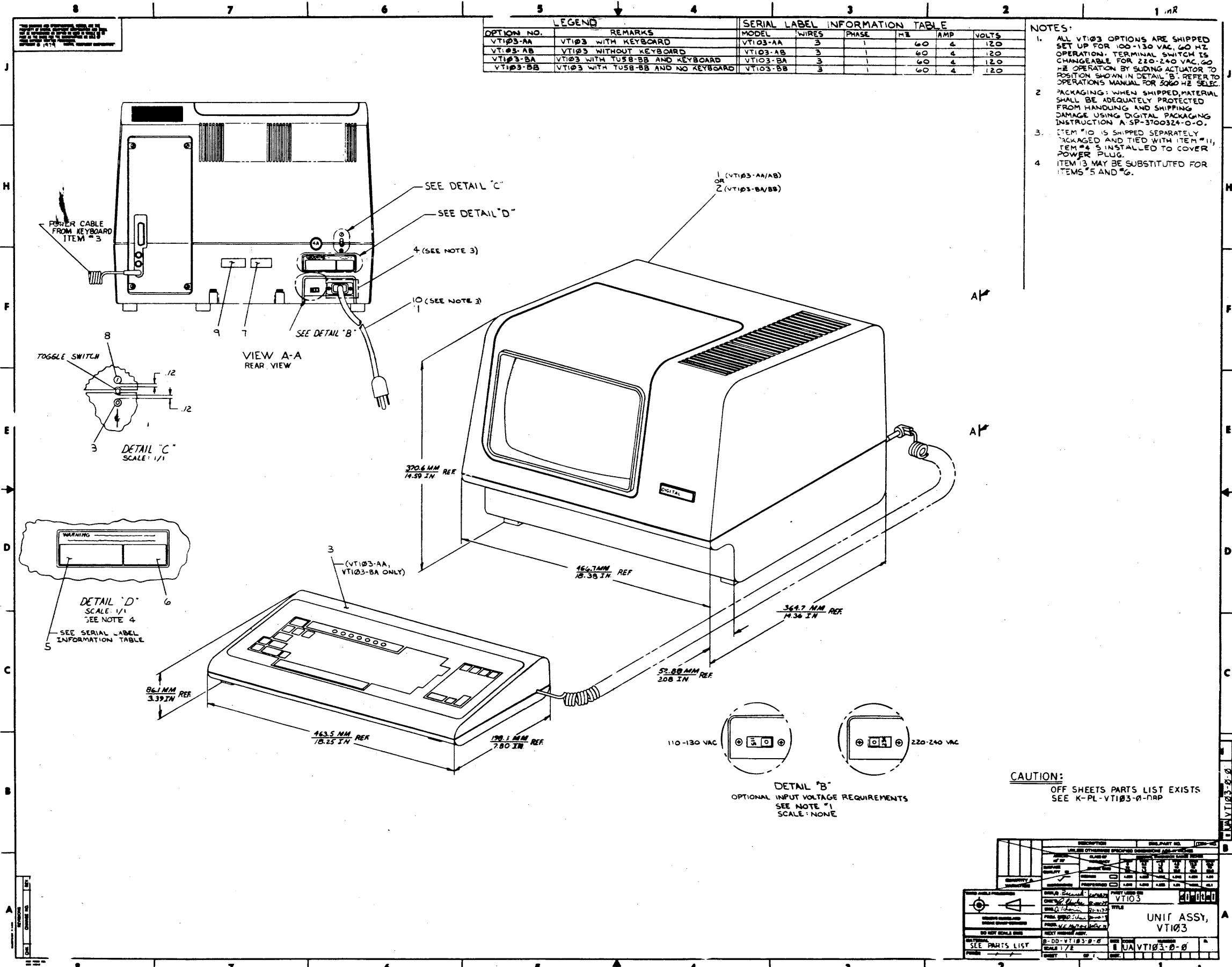
FIELD MAINTENANCE PRINT SET  
ORDER NO. MPØØ731

**REV.**  
A

<b>SIZE</b>	<b>CODE</b>	<b>NUMBER</b>	<b>REV.</b>
<b>B</b>	<b>TC</b>	VTL103- $\varnothing$ -1	A

FIELD MAINTENANCE PRINT SET				digital				
REVISIONS <i>N.C.</i>	CHG. NO.	REV.						
	DATE	8-29-80	VT103-MR001	A	DRN.	DATE		
				<i>R. Vowles</i>	12 Jun 79	TITLE: FIELD MAINTENANCE PRINT SET		
	USED ON OPTION/MODEL			VT103				
				CHK'D	DATE			
				<i>R. Vowles</i>	10 Jun 79			
				PROJ. ENG.	DATE			
				<i>J. Schatz</i>	12 Nov 79			
				FIELD SERV..	DATE			
SHEET 1 OF 1			<i>M. P. Lohof</i>	13 Nov 79	SIZE <b>B</b>	CODE <b>TC</b>	NUMBER VT103-0-1	REV. A
			DIST.					

**DRB 124**

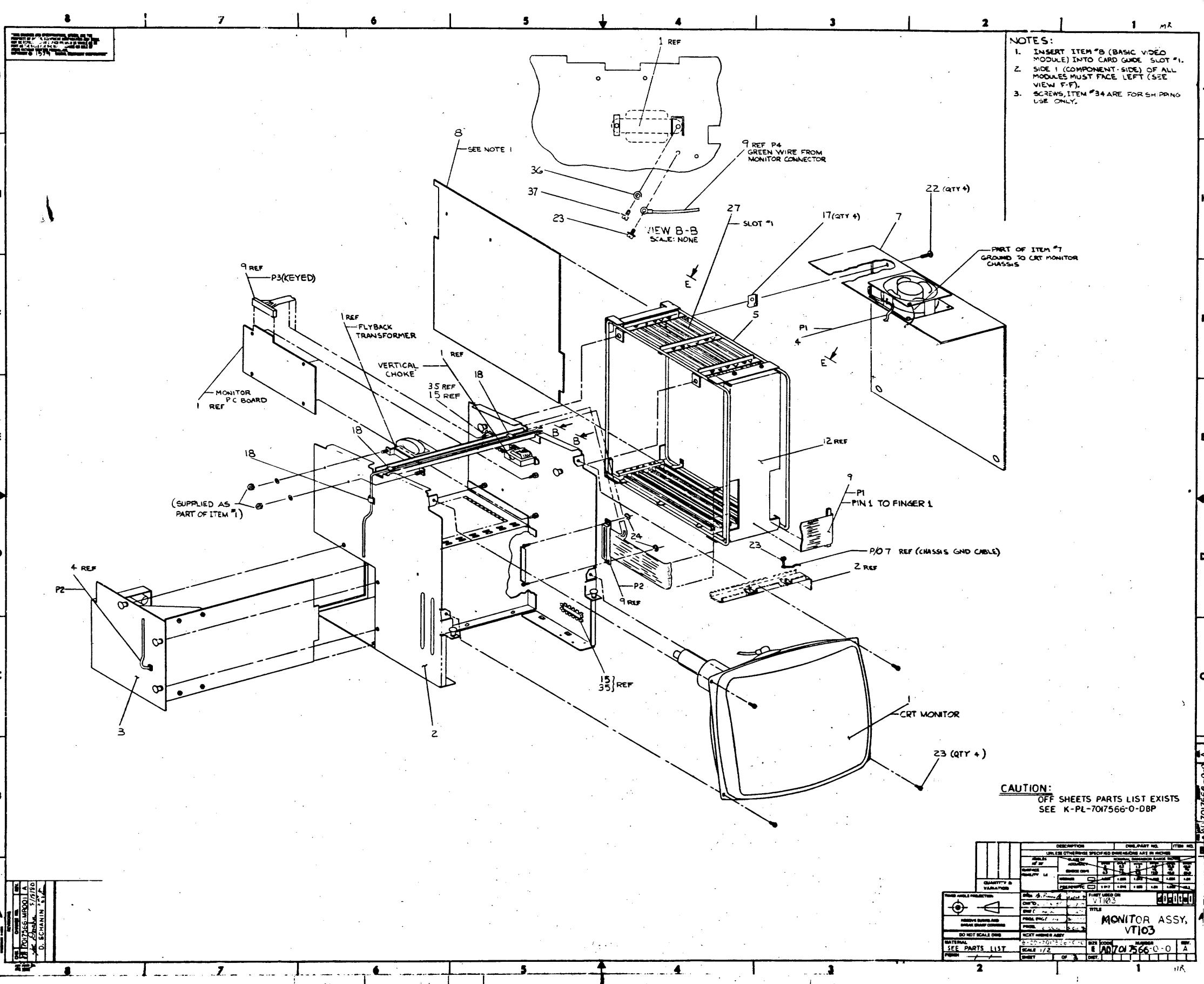


MR

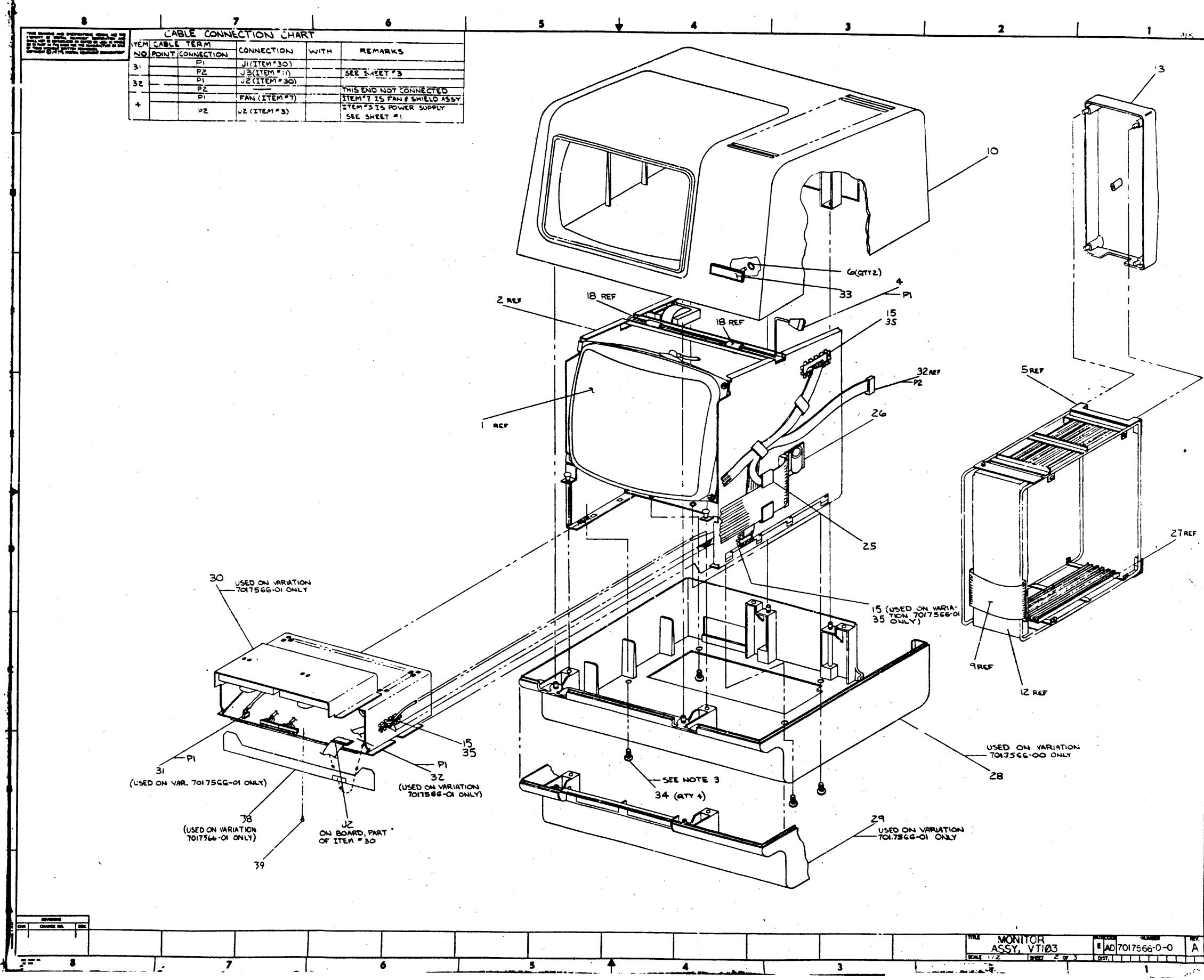
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION				
				AA	AB	BA	BB	
1	1	E-AD-7017566-0-0	7017566-00	VT103 MONITOR ASSY.	1	1	-	-
2	2	E-AD-7017566-0-0	7017566-01	VT103 MONITOR ASSY.	-	-	1	1
3	3	D-UA-7014653-0-0	7014653-00	KEYBOARD ASSY	1	-	1	-
4	4		3616448-00	LABEL, CAUTION: USE CORRECT VOLT.	1	1	1	1
5	5		3613209-01	LABEL, ADHESIVE BACK	1	1	1	1
6	6		3613209-02	LABEL, ADHESIVE BACK	1	1	1	1
7	7		3613211-01	DECAL, CLEAR PREPRINTED CSA 1=1/4	1	1	1	1
8	8		3615680-00	LABEL, ADHESIVE BACK, SWITCH POSIT	1	1	1	1
9	9	A-DC-7414213-0-0	7414213-00	STICKER VT50 UL	1	1	1	1
10	10		1700083-09	PWR CORD, TERM, 75IN, 18=3, 125V	6	1	1	1
11	11		9007032-00	TIE, CABLE	1	1	1	1
12	12	B-UL-7017313-0-0	7017313-00	VT103 ACCESSORY	1	1	1	1
13	13	A-DS-3613209-0-0	3613209-00	LABEL, UL FOIL ADH BACK, 3/4 X	1	1	1	1

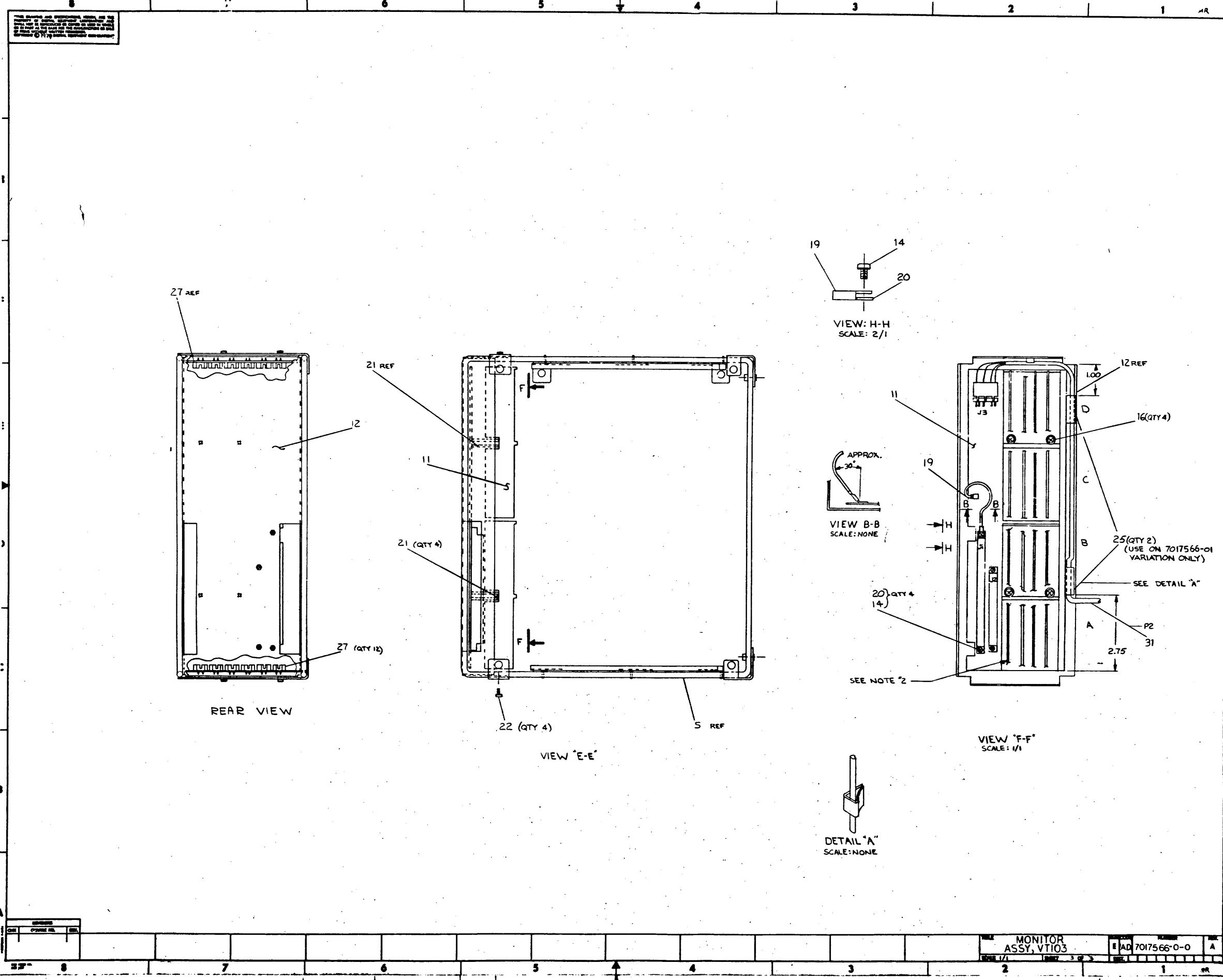
REVISION HISTORY	BASIC PART NO: VT103		DRN:	MARK PASARELLI	DATE: 28-MAR-79	D	I	G	I	T	A	L
ENG:	ECO NUMBER	REV	SECTION A OF A		TITLE		PARTS LIST					
---	INITIAL	*	SECTION, VARIATION INDEX	CHK'D:	R. VOWLES	DATE: 4-MAY-79	UNIT ASSY, VT103					
			[A] AA,AB,BA,BB									
			[B]	DES,ENG.:	DAVE SCHANIN	DATE: 14-NOV-79						
			[C]	RESP,ENG.:	DAVE SCHANIN	DATE: 14-NOV-79	DOCUMENT NUMBER					
			[D]				SIZE	CODE	NUMBER	REV		
			[E]	MFG,ENG.:	MIKE MATHEWS	DATE: 14-NOV-79	K	PL	VT103-0-DHP	*		
			[F]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:	EDIT #			
				E-UA-VT103-0-0		18-DD-VT103-0-0		Z0873,PLS	15			
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) 1979, DIGITAL EQUIPMENT CORPORATION												

MR



ITEM	DESCRIPTION	QTY	REF PART NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
1	MONITOR ASSY	1	VT103
2	SCREW	1	34
3	SCREW	1	34
4	SCREW	1	34
5	SCREW	1	34
6	SCREW	1	34
7	SCREW	1	34
8	SCREW	1	34
9	SCREW	1	34
10	SCREW	1	34
11	SCREW	1	34
12	SCREW	1	34
13	SCREW	1	34
14	SCREW	1	34
15	SCREW	1	34
16	SCREW	1	34
17	SCREW	1	34
18	SCREW	1	34
19	SCREW	1	34
20	SCREW	1	34
21	SCREW	1	34
22	SCREW	1	34
23	SCREW	1	34
24	SCREW	1	34
25	SCREW	1	34
26	SCREW	1	34
27	SCREW	1	34
28	SCREW	1	34
29	SCREW	1	34
30	SCREW	1	34
31	SCREW	1	34
32	SCREW	1	34
33	SCREW	1	34
34	SCREW	1	34
35	SCREW	1	34
36	SCREW	1	34
37	SCREW	1	34
38	SCREW	1	34
39	SCREW	1	34
40	SCREW	1	34
41	SCREW	1	34
42	SCREW	1	34
43	SCREW	1	34
44	SCREW	1	34
45	SCREW	1	34
46	SCREW	1	34
47	SCREW	1	34
48	SCREW	1	34
49	SCREW	1	34
50	SCREW	1	34
51	SCREW	1	34
52	SCREW	1	34
53	SCREW	1	34
54	SCREW	1	34
55	SCREW	1	34
56	SCREW	1	34
57	SCREW	1	34
58	SCREW	1	34
59	SCREW	1	34
60	SCREW	1	34
61	SCREW	1	34
62	SCREW	1	34
63	SCREW	1	34
64	SCREW	1	34
65	SCREW	1	34
66	SCREW	1	34
67	SCREW	1	34
68	SCREW	1	34
69	SCREW	1	34
70	SCREW	1	34
71	SCREW	1	34
72	SCREW	1	34
73	SCREW	1	34
74	SCREW	1	34
75	SCREW	1	34
76	SCREW	1	34
77	SCREW	1	34
78	SCREW	1	34
79	SCREW	1	34
80	SCREW	1	34
81	SCREW	1	34
82	SCREW	1	34
83	SCREW	1	34
84	SCREW	1	34
85	SCREW	1	34
86	SCREW	1	34
87	SCREW	1	34
88	SCREW	1	34
89	SCREW	1	34
90	SCREW	1	34
91	SCREW	1	34
92	SCREW	1	34
93	SCREW	1	34
94	SCREW	1	34
95	SCREW	1	34
96	SCREW	1	34
97	SCREW	1	34
98	SCREW	1	34
99	SCREW	1	34
100	SCREW	1	34
101	SCREW	1	34
102	SCREW	1	34
103	SCREW	1	34
104	SCREW	1	34
105	SCREW	1	34
106	SCREW	1	34
107	SCREW	1	34
108	SCREW	1	34
109	SCREW	1	34
110	SCREW	1	34
111	SCREW	1	34
112	SCREW	1	34
113	SCREW	1	34
114	SCREW	1	34
115	SCREW	1	34
116	SCREW	1	34
117	SCREW	1	34
118	SCREW	1	34
119	SCREW	1	34
120	SCREW	1	34
121	SCREW	1	34
122	SCREW	1	34
123	SCREW	1	34
124	SCREW	1	34
125	SCREW	1	34
126	SCREW	1	34
127	SCREW	1	34
128	SCREW	1	34
129	SCREW	1	34
130	SCREW	1	34
131	SCREW	1	34
132	SCREW	1	34
133	SCREW	1	34
134	SCREW	1	34
135	SCREW	1	34
136	SCREW	1	34
137	SCREW	1	34
138	SCREW	1	34
139	SCREW	1	34
140	SCREW	1	34
141	SCREW	1	34
142	SCREW	1	34
143	SCREW	1	34
144	SCREW	1	34
145	SCREW	1	34
146	SCREW	1	34
147	SCREW	1	34
148	SCREW	1	34
149	SCREW	1	34
150	SCREW	1	34
151	SCREW	1	34
152	SCREW	1	34
153	SCREW	1	34
154	SCREW	1	34
155	SCREW	1	34
156	SCREW	1	34
157	SCREW	1	34
158	SCREW	1	34
159	SCREW	1	34
160	SCREW	1	34
161	SCREW	1	34
162	SCREW	1	34
163	SCREW	1	34
164	SCREW	1	34
165	SCREW	1	34
166	SCREW	1	34
167	SCREW	1	34
168	SCREW	1	34
169	SCREW	1	34
170	SCREW	1	34
171	SCREW	1	34
172	SCREW	1	34
173	SCREW	1	34
174	SCREW	1	34
175	SCREW	1	34
176	SCREW	1	34
177	SCREW	1	34
178	SCREW	1	34
179	SCREW	1	34
180	SCREW	1	34
181	SCREW	1	34
182	SCREW	1	34
183	SCREW	1	34
184	SCREW	1	34
185	SCREW	1	34
186	SCREW	1	34
187	SCREW	1	34
188	SCREW	1	34
189	SCREW	1	34
190	SCREW	1	34
191	SCREW	1	34
192	SCREW	1	34
193	SCREW	1	34
194	SCREW	1	34
195	SCREW	1	34
196	SCREW	1	34
197	SCREW	1	34
198	SCREW	1	34
199	SCREW	1	34
200	SCREW	1	34
201	SCREW	1	34
202	SCREW	1	34
203	SCREW	1	34
204	SCREW	1	34
205	SCREW	1	34
206	SCREW	1	34
207	SCREW	1	34
208	SCREW	1	34
209	SCREW	1	34
210	SCREW	1	34
211	SCREW	1	34
212	SCREW	1	34
213	SCREW	1	34
214	SCREW	1	34
215	SCREW	1	34
216	SCREW	1	34
217	SCREW	1	34
218	SCREW	1	34
219	SCREW	1	34
220	SCREW	1	34
221</td			





## PARTS LIST

MR  
SHEET A1 OF A2

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
				00	01
1	1	A-PS-3016080-0-0	3016080-00	MONITOR ASSY,CRT,DIRECT DRIVE RA	1
2	2	D-IA-7014975-0-0	7014975-00	CHASSIS,ASSY CRT	1
3	3	D-UA-H7835-0-0	H7835-00	VT103 SUPPLY:120V/240V 50/60HZ I	1
4	4	D-IA-7016044-0-0	7016044-02	CABLE,PDT11 FAN 24 5IN	1
5	5	E-IA-7016624-0-0	7016624-00	FRAME,PC CARD ASSY	1
6	6		9009257-00	RING, RETAINING, REINFORCED, .35	2
7	7	D-AD-7016810-0-0	7016810-00	FAN+SHIELD ASSY VT103	1
8	8	D-UA-5413009-0-0	5413009-00	VT100 BASIC VIDEO CONTROLLER	1
9	9	D-IA-7014978-0-0	7014978-00	POWER CABLE ASSY	1
10	10	D-IA-7014974-0-0	7014974-01	ENCLOSURE, CRT TOP ASSY	1
11	11	D-UA-5414008-0-0	5414008-00	VT103 BACKPLANE	1
12	12	D-IA-7421563-0-0	7421563-00	BRKT, BACKPLANE	1
13	13	D-IA-7014976-0-0	7014976-00	WORT BOX ASSY	1
14	14		9009643-01	SCREW,PAN,PHIL,SEMS 4-40X .625	4
15	15		9007035-00	GROMMET #122-37-1500	A/R
16	16		9006210-06	SCREW, PHILLIPS FILLISTER HEAD 8	4
17	17		9006584-00	NUT, U-SHAPED, SPRING #C-8091	4
18	18		9008341-00	CLIP,PVC HARNESS, DESKLASP,1" WID	3
19	19	B-IA-7017314-0-0	7017314-00	CABLE GROUND	1
20	20		9006655-00	WASHER, FLAT, .312 O.D, X .125 I	4
21	21		9009603-00	SPACER, HEX, ALUM, 8-32, .250 X	4
22	22		9009701-00	SCREW, SEMS, PHILLIPS PAN HD 6-3	8
23	23		9009967-00	SCREW,HEX ,SLOT 6-32X 5/16	6
24	24		9010007-00	RING, RETAINING,EXTERNAL FOR 7/6	2
25	25		9009636-00	CLAMP, CABLE, FOR FLAT CABLE	1
26	26		9010161-00	CLIP,PVC HARNESS, FOR CABLE 5/8	1
27	27		1212405-00	CARD GUIDE, NYLON	12
28	28	E-IA-7014980-0-0	7014980-01	BASE,ENCLOSURE ASSY	1
29	29	E-IA-7016099-0-0	7016099-02	CREATED BY N211	-
30	30	E-AD-7015854-0-0	7015854-01	HOUSING/MODULE ASSY TAPE DRIVE(W	1

REVISION HISTORY		BASIC PART NO: 7017566		DRN:	MARK PASCARELLI	DATE: 28-MAR-79	D	I	G	I	T	A	L	
ENG	ECO NUMBER	REV	SECTION A OF A											
---	INITIAL	*	SECTION, VARIATION INDEX	CHK#D:	R. VOWLES	DATE: 4-MAY-79	TITLE							PARTS LIST
JT	7017566-MR001	A	[A] 00,01				MONITOR ASSY, VT103							
			[B]	DES,ENG,I	DAVE SCHANIN	DATE: 14-NOV-79	DOCUMENT NUMBER							
			[C]	RESP,ENG,I	DAVE SCHANIN	DATE: 14-NOV-79	SIZE	CODE	NUMBER				REV	
			[D]	MFG,ENG,I	MIKE MATHEWS	DATE: 14-NOV-79	K	PL	7017566-0-DBP				A	
			[E]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:			FILE NAME:				EDIT #	
			[F]	E-AD-7017566-0-0		IB-DD-7017566-0-0		Z0874A,PLS					33	
<p>"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) 1980, DIGITAL EQUIPMENT CORPORATION"</p>														

118

## PARTS LIST

SHEET A2 OF A2

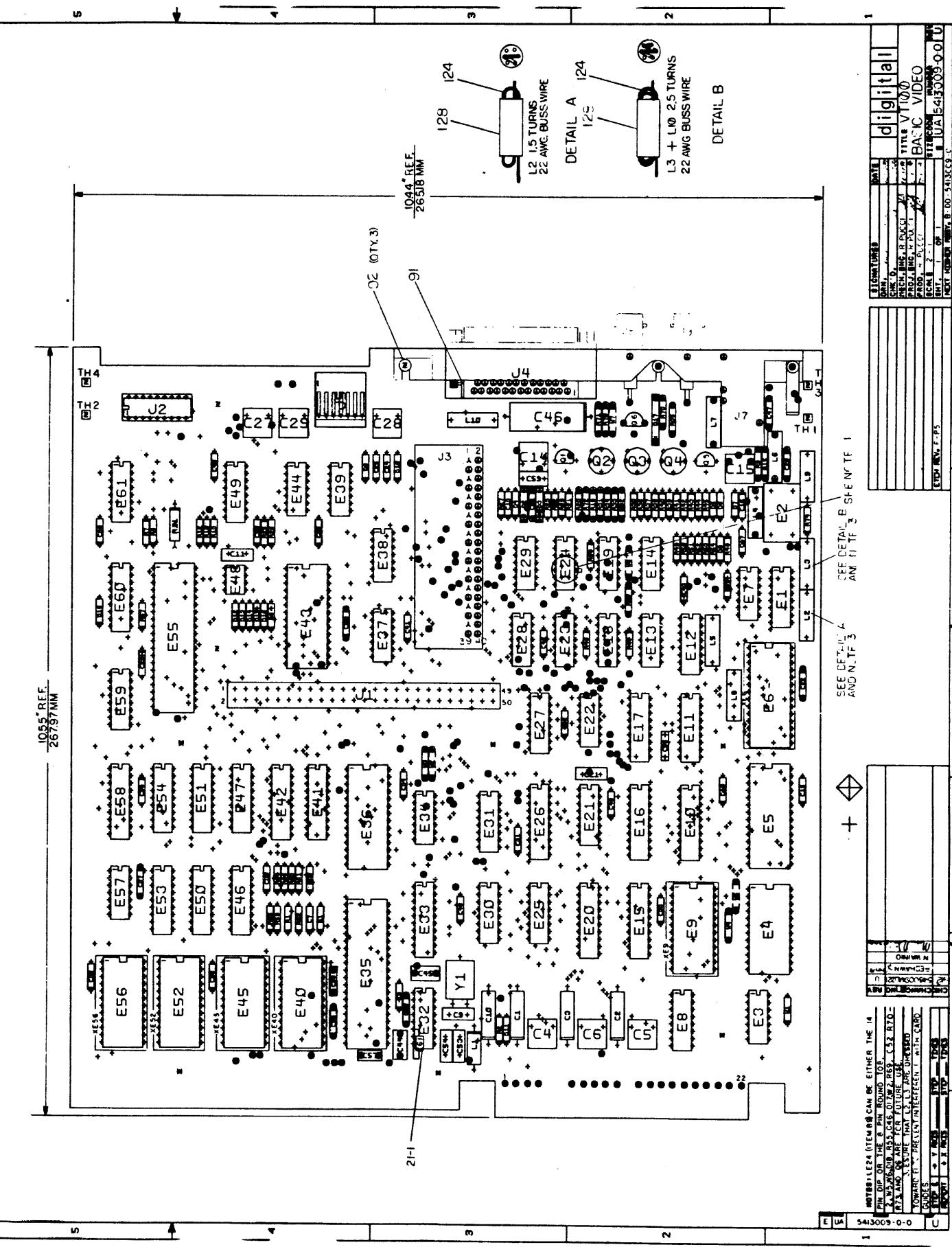
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
				00	01
31	31	D-IA-7016756-0-0	7016756-2H	POWER CABLE TU58	- 1
32	32	D-IA-7011411-0-0	7011411-02	CONSOLE BACKPLANE CABLE	- 1
33	33	D-IA-7422759-0-0	7422759-00	LOGO, VT BLANK	1 1
34	34		9010135-00	SCREW, FLAT, SLOT 8-32X 1/2	4 4
35	35		9009157-00	ADH, LIQ, RM, TEMP CURING COLORLESS	A/R A/R
36	36		9006659-00	WASHER, FLAT, .375 O.D., X .156 I	1 1
37	37		9010112-00	SCREW, TAPPING, TYPE B, HEX, SLOT,	1 1
38	38	D-MD-7423988-0-0	7423988-00	STIFFENER, MODULE	- 1
39	39		9010221-00	CLIP, SNAPIN	,270 - 1

D	I	G	I	T	A	L	TITLE	MONITOR ASSY, VT103	SECTION A OF A
---	---	---	---	---	---	---	-------	---------------------	----------------

SIZE	CODE	DOCUMENT NUMBER	REV
K	P4	7017566-0-DBP	A

MR

REFWORK INSTRUCTIONS



AUTOMATED BY PRTLST.1D(11)

## PARTS LIST

SHEET 61 OF A4

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION				REFERENCE DESIGNATOR	
				03	04	05	99		
1	1	D-MD-5013008-0-0	5013008-00	VT100 BASIC VIDEO	1	1	1	1	
2	2		1000005-00	6.8 MMF 100V 5%20OPPM MICA	1	1	1	1	C9
3	3		1000014-00	68.0 MMF 100V 5%20OPPM MICA	1	1	1	1	C11
4	4		1000016-00	100.0 MMF 100V 5%20OPPM MICA	2	2	2	2	C21, C54
5	5		1000076-00	.39 MFD 10V 10% S.TANT	1	1	1	1	C10
6	6		1017472-00	.10 MFD 35V +50-10% AL EL	3	3	3	3	C1, C2, C3
7	7		1010274-01	.22 MFD 50V +80-20% ZSU CER	13	13	13	13	CONT
8	8		1012784-00	.047 MFD 50V +80-20% CER	25	25	25	25	C55, C56, C59
9	9								C7, C8, C13, C18, C19, C22, C24, C25, C30-C43, C48-C50
10	10		1013466-12	2200.0 MMF 50V 10% X7R CER	1	1	1	1	C26
11	11		1100114-00	D 664 QS\75PCB PIV= 25V SP	11	11	11	11	D4-D8, D11-D16
12	12		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	2	2	2	2	D9, D10
13	13		1109502-03	1N 4742A VZ= 12.0 5% 1W	1	1	1	1	D3
14	14		1110994-00	1N 751A VZ= 5.1 5% .40W	1	1	1	1	D1
15	15		1114974-00	1N 4741A VZ= 11.0 5% 1W	1	1	1	1	D2
16	16		1215006-06	SKT, IC 24PIN DIP TIN PLATE	5	5	5	5	XE9, XE40, XE45, XE52, XE56
17	17		1211666-00	SKT, IC 18PIN DIP GOLD PLATE	1	1	1	1	J2
18	18		1214063-01	HEADER.150 50POS STRAIGHT	1	1	1	1	J1
19	19		1214828-00	CONN, 25POS RCPT	1	1	1	1	J4
20	20		1214829-00	EDGE CARD 40POS RT ANGLE .12500	1	1	1	1	J3
21	21		1215048-01	CONN 7POS RT ANGLE	1	1	1	1	J5
22	22		1300005-07	R NETWORK 15-4.7K 5.0 % 16PIN	3	3	3	3	E8, E12, E59
23	23		1300219-00	68.0 .25 W 5.0 % CC	1	1	1	1	R40
24	24		1300229-00	100.0 .25 W 5.0 % CC	1	1	1	1	R34
25	25		1300250-00	150.0 .25 W 5.0 % CC	3	3	3	3	R51, R68, R74
26	26		1300271-00	220.0 .25 W 5.0 % CC	1	1	1	1	R41
27	27		1300295-00	330.0 .25 W 5.0 % CC	3	3	3	3	R1, R46, R47
28	28		1300315-00	470.0 .50 W 5.0 % CC	1	1	1	1	R11
29	29		1300316-00	470.0 .25 W 5.0 % CC	1	1	1	1	R21

## REVISION HISTORY

BASIC PART NO: 5413009

ENG!	ECO NUMBER	REV	SECTION A OF A	DRN:	T. SHETRAWSKI	DATE: 30-MAR-78	D	I	G	I	T	A	L
				CHK'D:	T. SHETRAWSKI	DATE: 11-MAR-78	TITLE		PARTS LIST				
JD	5413009-PN010	IN	SECTION.VARIATION INDEX	DES.ENG:	D. PUCCI	DATE: 30-MAR-78	DOCUMENT NUMBER		SIZE!CODE! NUMBER				
--	5413009-ML011	P	[A] 03,04,05,99	RESP.ENG.: D. PUCCI		DATE: 30-MAR-78							
RP	ML012	R	[B]										
OCJ	5413009-ML013	S	[C]										
RP	5413009-ML014	T	[D]										
RP	5413009-ML015	U	[E]										
RP	5413009-ML016	V	[F]										
DP	5413009-ML017	W	[G]										
DP	5413009-ML018	Y	[H]										
JD	5413009-ML019	Z	[I]	MFG.ENG.:	T. CORCIARI	DATE: 30-MAR-78	K	PL	5413009-0-DBP		AB		
RP	5413009-ML020	AA	[L]										
NW	5413009-ML021	AB	[M]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:			FILE NAME:		EDIT #		
			[N]	E-UA-5413009-0-0		B-00-5413009-0-0			ML01AB.PLS		23		

"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				REFERENCE DESIGNATOR
				03	04	05	99	
30		1300365-00	1.0 K .25 W 5.0 %	2	2	2	2	R36,R67
31		1300398-00	1.80 K .25 W 5.0 %	1	1	1	1	R31
32		1300417-00	2.20 K .25 W 5.0 %	1	1	1	1	R7
33		1300426-00	2.70 K .25 W 5.0 %	1	1	1	1	R25
34		1300447-00	4.70 K .25 W 5.0 %	1	1	1	1	R2
35		1300479-00	10.0 K .25 W 5.0 %	1	1	1	1	R18,R20,R22,R23,R27
36		1301317-00	10.0 K .25 W 5.0 %	1	1	1	1	R57
37		1301422-00	7.50 K .25 W 5.0 %	1	1	1	1	R59-R66
38		1301424-00	680.0 .25 W 5.0 %	1	1	1	1	R37
39		1301425-00	300.0 .25 W 5.0 %	1	1	1	1	R50
40		1301475-00	1.10 K .25 W 5.0 %	1	1	1	1	R32
41		1301874-00	5.60 K .25 W 5.0 %	1	1	1	1	R9
42		1301972-00	270.0 .25 W 5.0 %	1	1	1	1	R38
43		1302379-00	75.0 .25 W 5.0 %	1	1	1	1	R35,R45,R52,R54
44		1302391-00	20.0 K .25 W 5.0 %	1	1	1	1	R43,R48
45		1303178-00	620.0 .25 W 5.0 %	1	1	1	1	R49
46		1303187-00	820.0 K .25 W 5.0 %	1	1	1	1	R8
47		1304833-00	1.96 K .25 W 1.0 % RN55D-F10	1	1	1	1	R15
48		1313580-00	360.0 .25 W 5.0 %	1	1	1	1	R39
49		1314673-00	36.0 .25 W 5.0 %	1	1	1	1	R53
50		1501913-00	2N 2904A PNP 600MW SI 60 40 Y	1	1	1	1	Q2,Q3,Q4
51		1503409-00	DEC6534D PNP 310MW SI 40 90	1	1	1	1	Q1
52		1509524-00	2N 3904 NPN 310MW SI 40 40 M	1	1	1	1	Q5
53		1810694-06	XTAL 24.9832 MHZ	1	1	1	1	Y1
54		1814830-00	OSCILLATOR, XTAL 24.073 MHZ	1	1	1	1	E18
55		1909686-00	7404 INVERTER GATE-HEX 1I	1	1	1	1	E38
56		1909928-00	7416 INVERTER GATE-HEX 1I	1	1	1	1	E39
57		1909929-00	7417 BUFFER GATE-HEX 1INP	1	1	1	1	E39
58		1910236-00	DEC 7426 NAND GATE-QUAD 2IN,0	1	1	1	1	E41
59		1910322-00	DEC 1488L DRIVER LINE,QUAD,ÉI	1	1	1	1	E49
60		1912847-00	LS157 MUX 1 OF 2(QUAD)	1	1	1	1	E51
61		1912697-00	LS174 FF-D HEX W/CLEAR	1	1	1	1	E54,E61
62		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	1	1	1	1	E23,E34
63		1912803-00	74LS04 INVERTER GATE,HEX	1	1	1	1	E19
64		1912815-00	LS30 NAND GATE-SINGLE 3IN	1	1	1	1	E20
65		1912818-00	LS38 NAND BUFFER-QUAD 2IN	1	1	1	1	E28
66		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	1	1	1	1	E13,E22
67		1912842-00	LS138 DECODER-THREE INPUT	1	1	1	1	E27
68		1912843-00	LS139 DECODER, 2 OF 4(DUAL	1	1	1	1	E31
69		1912854-00	LS193 COUNTER,SYNCHR,4BIT,	1	1	1	1	E21,E25,E30
70		1912863-00	LS273 FF-D OCTAL W/CLEAR	1	1	1	1	E26,E20
71		1913105-00	PB 8224C DRIVER/GEN CLOCK F	1	1	1	1	E32
72		1913109-00	8228 BUFFER,DATA BASE FOR	1	1	1	1	E36
73		1913130-00	DEC 1489A RECEIVER,LINE,QUAD,	1	1	1	1	E37,E44
74		1914084-00	74S299 SHIFT REG.,8BIT RIGH	1	1	1	1	E10
75		1914156-00	LM 393 VOLT.COMPARATOR DUAL	1	1	1	1	E48
76		1914213-00	81LS97 BUFFER GATE-OCTAL 2I	4	4	4	4	E15,E41,E42,E58
77		1914214-00	LS374 FF-D OCTAL EDGE TRIG	2	2	2	2	E26,E33

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							VT100 BASIC VIDEO		K	PL	5413009-0-DBP	AB

AUTOMATED BY PRTLST.1D(11)

## PARTS LIST

SHEET A3 OF A4

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION				REFERENCE DESIGNATOR
				03	04	05	99	
77	81	1914423-01	CUSTOM LSI-BIPOLAR LS	1	1	1	1	E6
78		1914424-01	CUSTOM LSI-BIPOLAR L	1	1	1	1	E5
79		2112623-02	DUAL BAUD RATE GEN/PROG DIVIDER	1	1	1	1	E60
80		2113106-01	1K MOS RAM 250NS	2	2	2	2	E11, E17
81		2113107-01	P 8251A PUSART COMM. INTERFACE	1	1	1	1	E43
82		2113108-01	8080A-1 MICROPROCESSOR UNIT	1	1	1	1	E35
83		2113937-00	UART 125K BAUD	1	1	1	1	E55
84		2114212-00	P 2114-2 RAM 1024X4, STATIC	6	6	6	6	E46, E47, E50, E51, E53, E54
85		2114524-01	ROM 100X14BIT, ERASABLE,	1	1	1	1	E24
86		23018E2-00	E2-03	1	1	1	1	E4
87		7424901-01	BRACKET, GROUNDING, EIA CONNECTOR	1	1	1	1	
88		9006732-00	EYELET, ROLL FLANGE .1210DX .219	3	3	3	3	
89		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	4	4	4	4	W1, W3, W4, W7
90		23061E2-00	E2-02	1	-	-	-	E56
91		23032E2-00	E2-02	1	-	-	-	E52
92		23033E2-00	E2-02	1	-	-	-	E45
93		23034E2-00	E2-02	1	-	-	-	E40
94		1001610-00	.01 MFD 50V +80-20% Z5U CER	4	4	4	4	C16, C17, C23, C51
95		1301320-00	1.20 K .25 W 5.0 % CC	1	1	1	1	R30
96		1301322-00	180.0 .25 W 5.0 % CC	1	1	1	1	R33
97		1301477-00	82.0 .25 W 5.0 % CC	1	1	1	1	R42
98		1300202-00	47.0 .25 W 5.0 % CC	1	1	1	1	R44
99		1303155-00	21.50 K .25 W 1.0 % RN55D-F10	1	1	1	1	R10
100		1309412-00	18.20 K .25 W 1.0 % RN55D-F10	1	1	1	1	R13
101		1609820-00	2.2 UH #RFC52.2	1	1	1	1	L1
102		1002608-00	18.0 MMF 100V 55200PPM MICA	1	1	1	1	C53
103		1013466-05	56.0 MMF 50V 5% CER	1	1	1	1	C42
104		23180E2-00	E2-02	-	1	1	1	E56
105		23181E2-00	E2-02	-	1	1	1	E52
106		23182E2-00	E2-02	-	1	1	1	E45
107		23183E2-00	E2-02	-	1	1	1	E40
108		1215006-07	SKT, IC 28PIN DIP TIN PLATE	1	1	1	1	XE6
109		23094E2-00	E2-03, E2-04	-	1	1	1	E9
110	A-SP-3700553-0-0	3700553-00	PKG MODULE 5413009	REF	REF	REF	REF	
111	A-SP-3700429-0-0	3700428-00	INSTR PKG. BULK CARTON 99-06476-	REF	REF	REF	REF	
112		1300005-03	R NETWORK 13-10K 5.0 % 14PIN	1	1	1	1	E57
113		1000021-00	220.0 MMF 100V 5%200PPM MICA	1	1	1	1	C57
114		9107560-01	WIRE, BUSS, 22AWG	A/R	A/R	A/R	A/R	
115		1013466-24	47.0 MMF 50V 5% CER	3	3	3	3	C61, C58, C60
116		1013466-19	470.0 MMF 50V 5% CER	1	1	1	1	C20
117		1618238-02	BEAD, FERRITE :13800X.330LG	6	6	6	6	L4-L9
118		1618437-00	BEAD, FERRITE :23600X.394LG	3	3	3	3	L2, L3, L10

119 NOTE: FOR INDIVIDUAL FIELD SERVICE/CUSTOMER SPARES SHIPMENTS USE PACKAGING INSTRUCTION, A-SP-3700553-0-0;

D	I	G	I	T	A	L	TITLE	VT100 BASIC VIDEO	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413009-0-DBP	AB

AUTOMATED BY PRTLST.1D(11)

P A R T S   L I S T

SHEET A4 OF A4

LINE ITEM DOCUMENT NUMBER

PART NUMBER

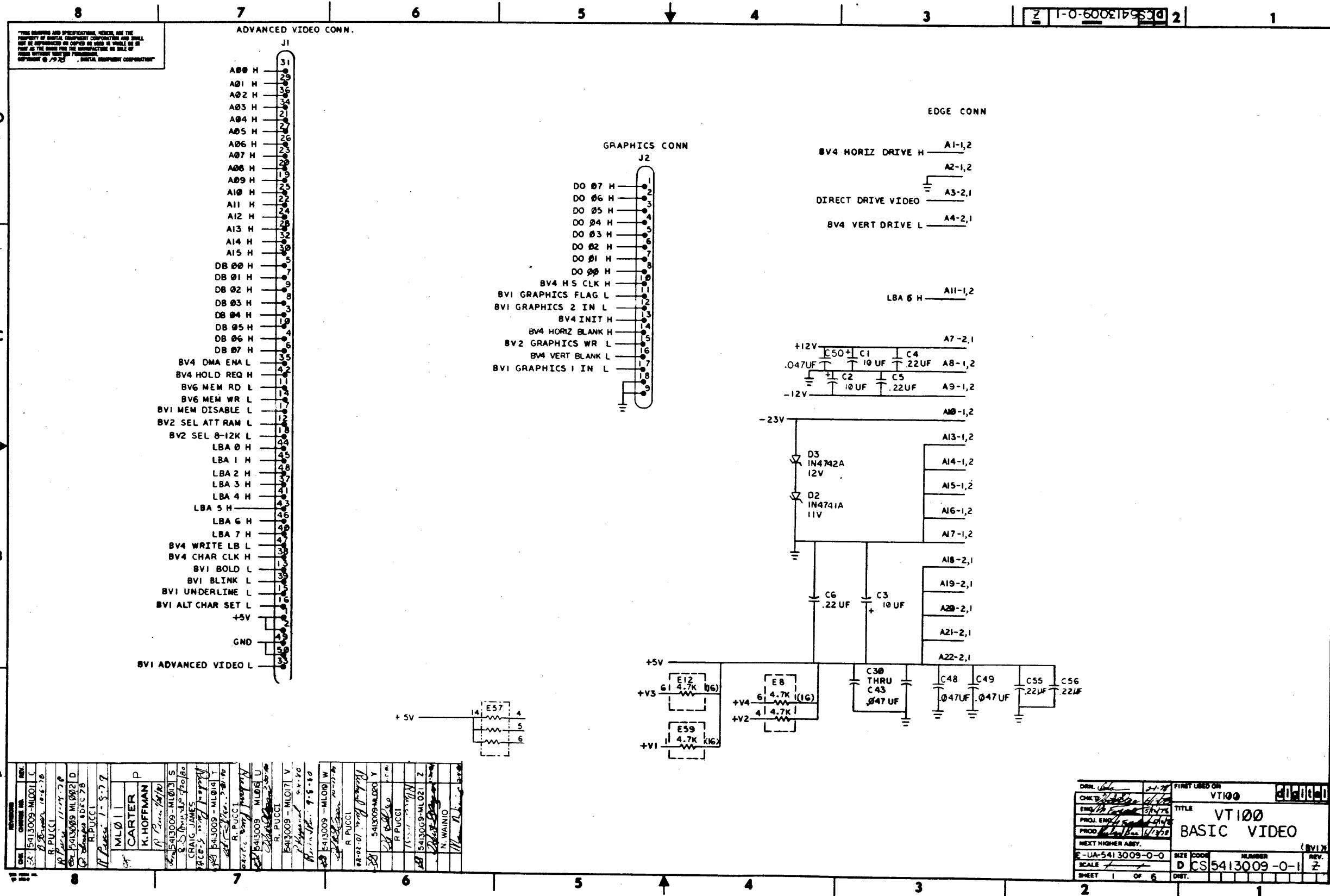
DESCRIPTION

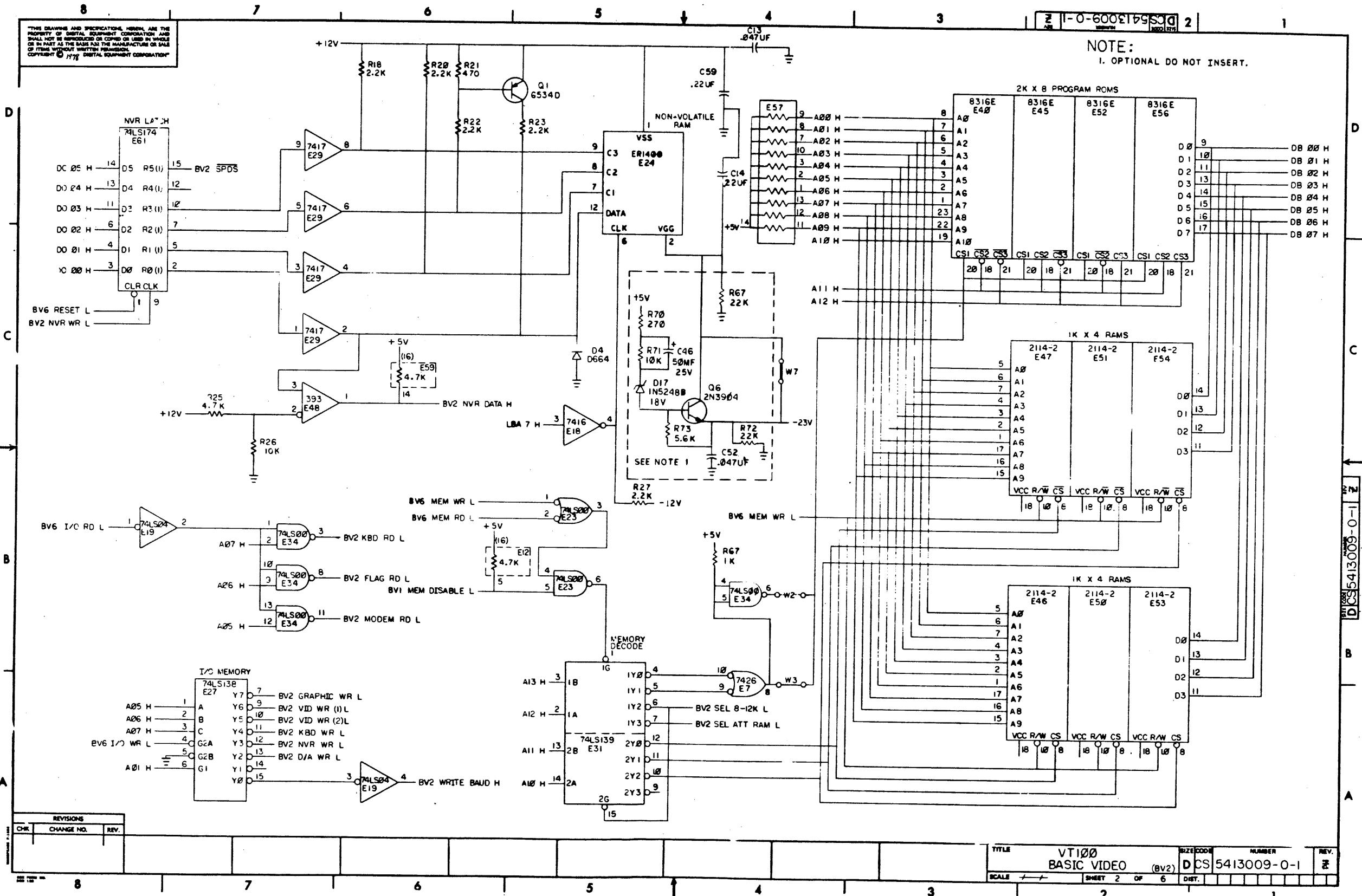
QTY PER VARIATION:

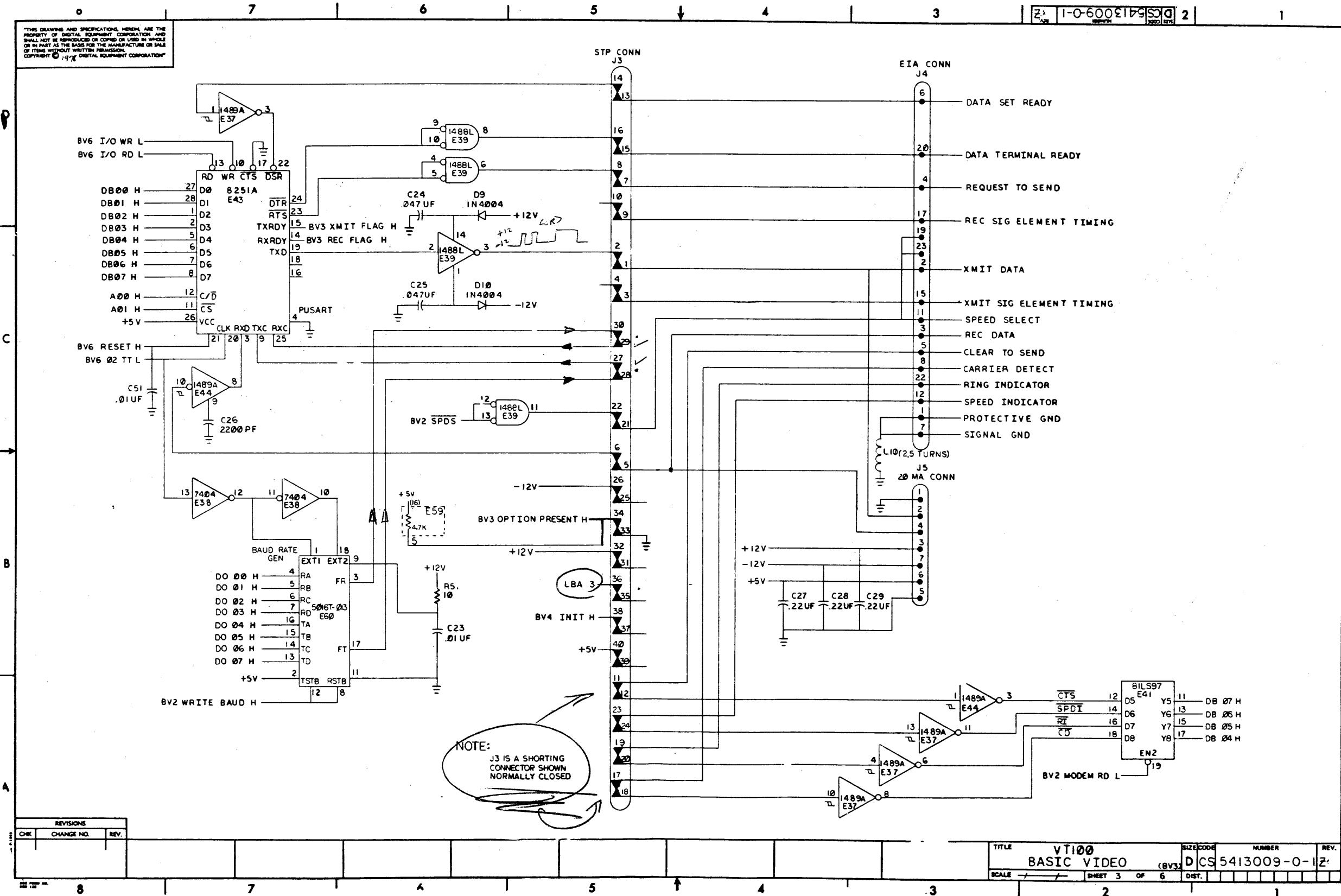
03 04 05 99 REFERENCE DESIGNATOR

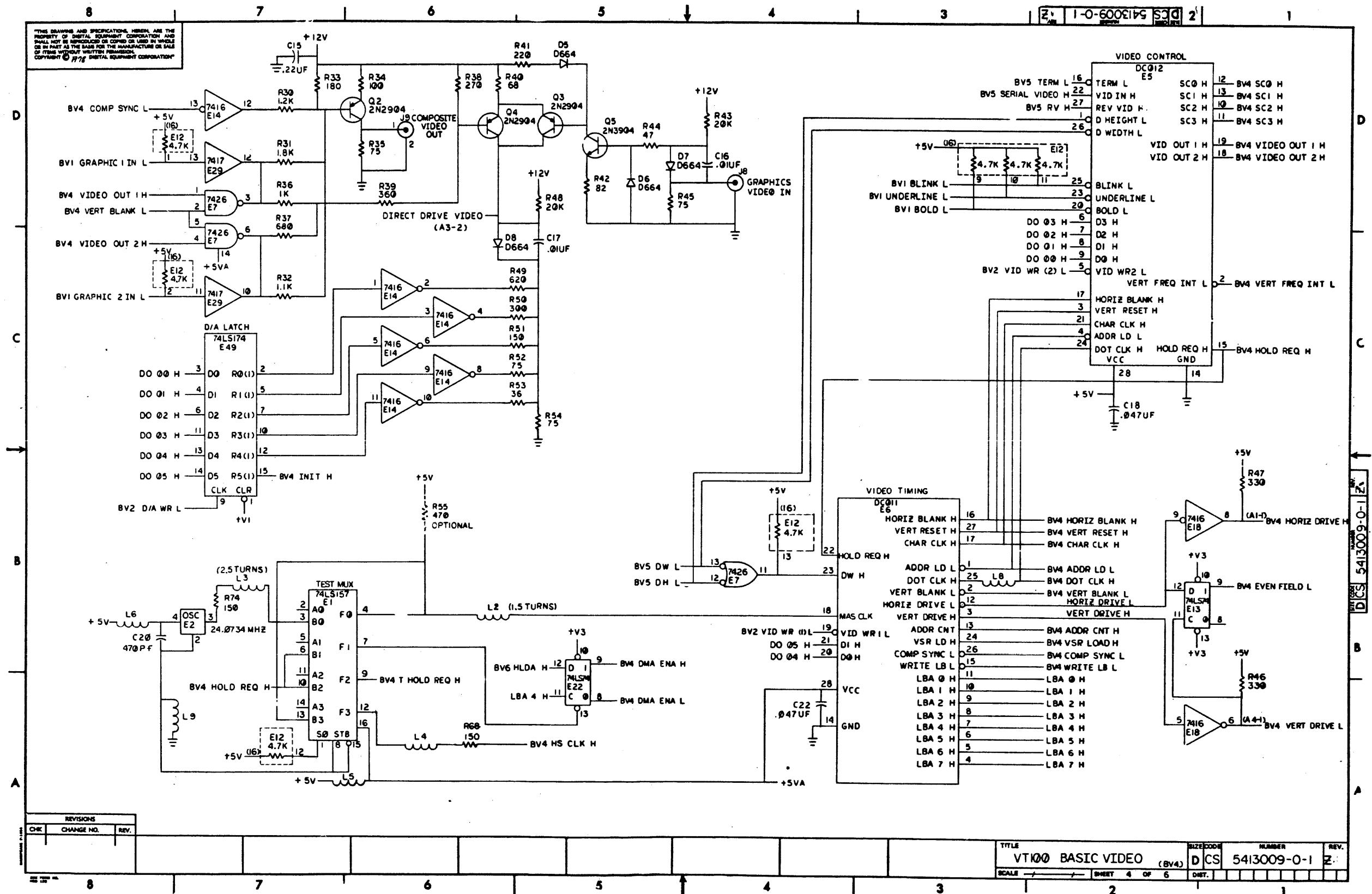
120 NOTE: FOR BULK INTERPLANT SHIPMENTS USE PACKAGING INSTRUCTION, A-SP-3700428-0-0 VARIATION -02  
121 NOTE: L2 REQUIRES THE INSERTION OF 1.5 TURNS OF 22 AWG BUSS WIRE SEE DETAIL ON E-UA-5413009-0-0.  
122 NOTE: L3 AND L10 REQUIRES THE INSERTION OF 2.5 TURNS OF 22 AWG BUSS WIRE  
123 NOTE: SEE DETAIL ON E-UA-5413009-0-0.

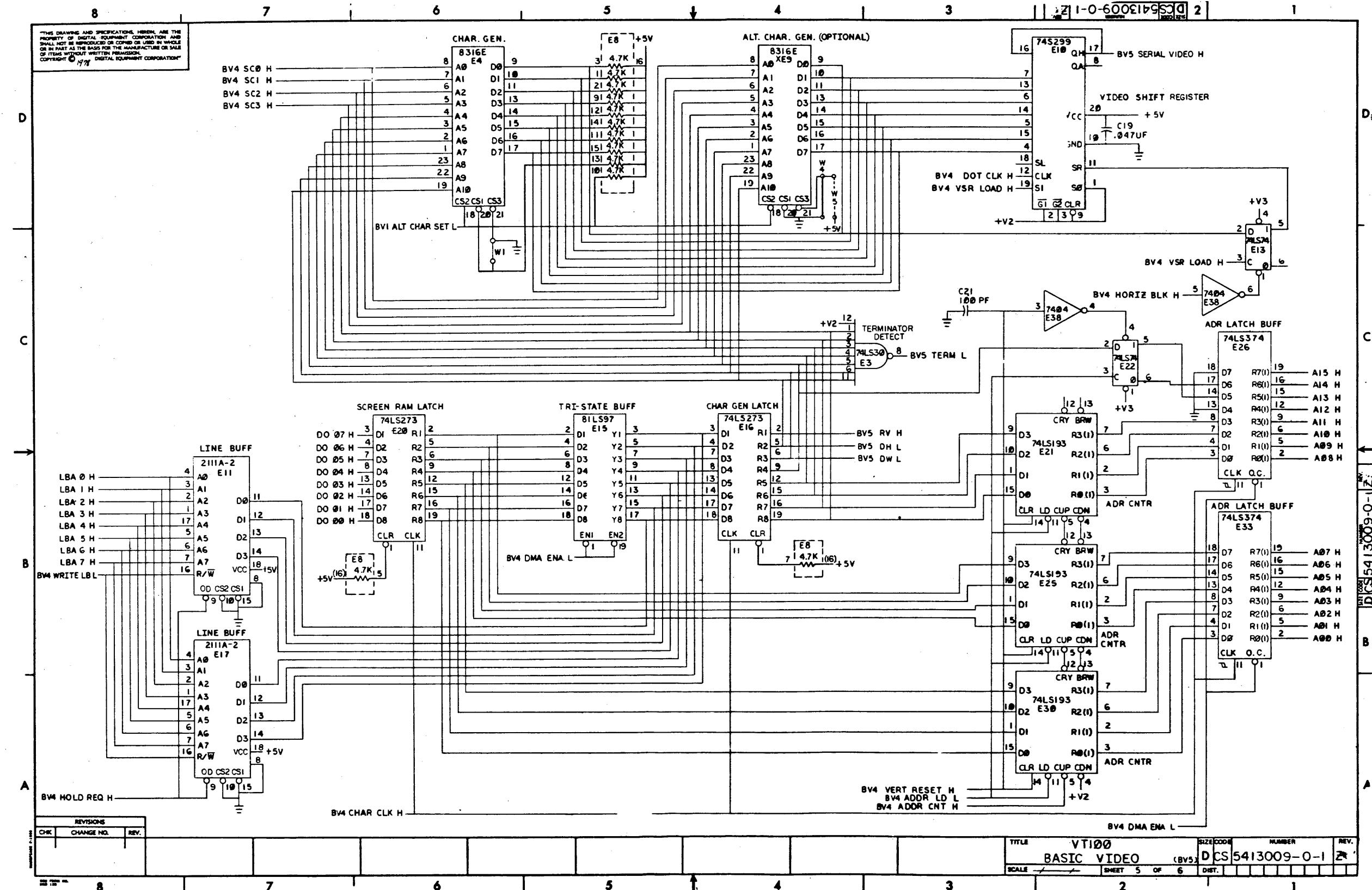
TITLE					SECTION A OF A			SIZE			CODE		DOCUMENT NUMBER		REV	
D	I	G	I	T	A	L	VT100 BASIC VIDEO	K	PL	5413009-0-0BP			AB			

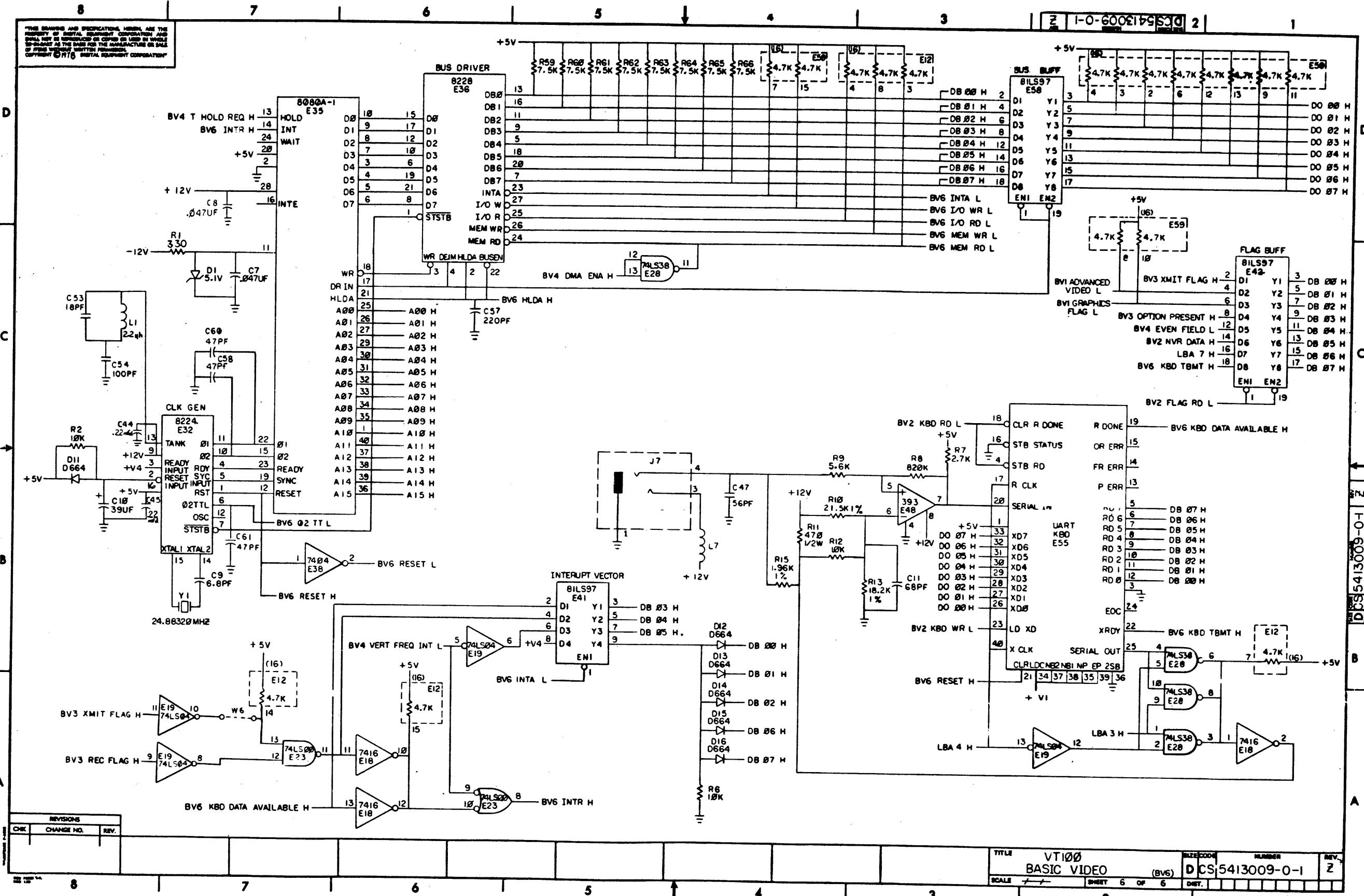












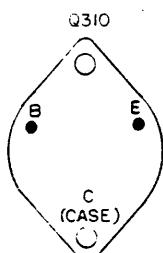
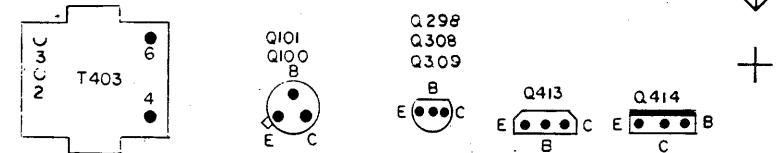
THIS DRAWING AND SPECIFICATIONS, HEREBE, ARE THE PROPERTY OF ESTATE EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ANYTHING WITHOUT WRITTEN PERMISSION.

VIEW A-A

DETAIL A  
SCALE: NONE

VIEW B - B

## TRANSISTORS BOTTOM VIEW



**NOTES:** I CR106 DO NOT USE \_\_\_\_\_

<b>STEP E</b>	↑ Y AXIS	STEP	TIMES
<b>REPEAT</b>	→ X AXIS	STEP	TIMES

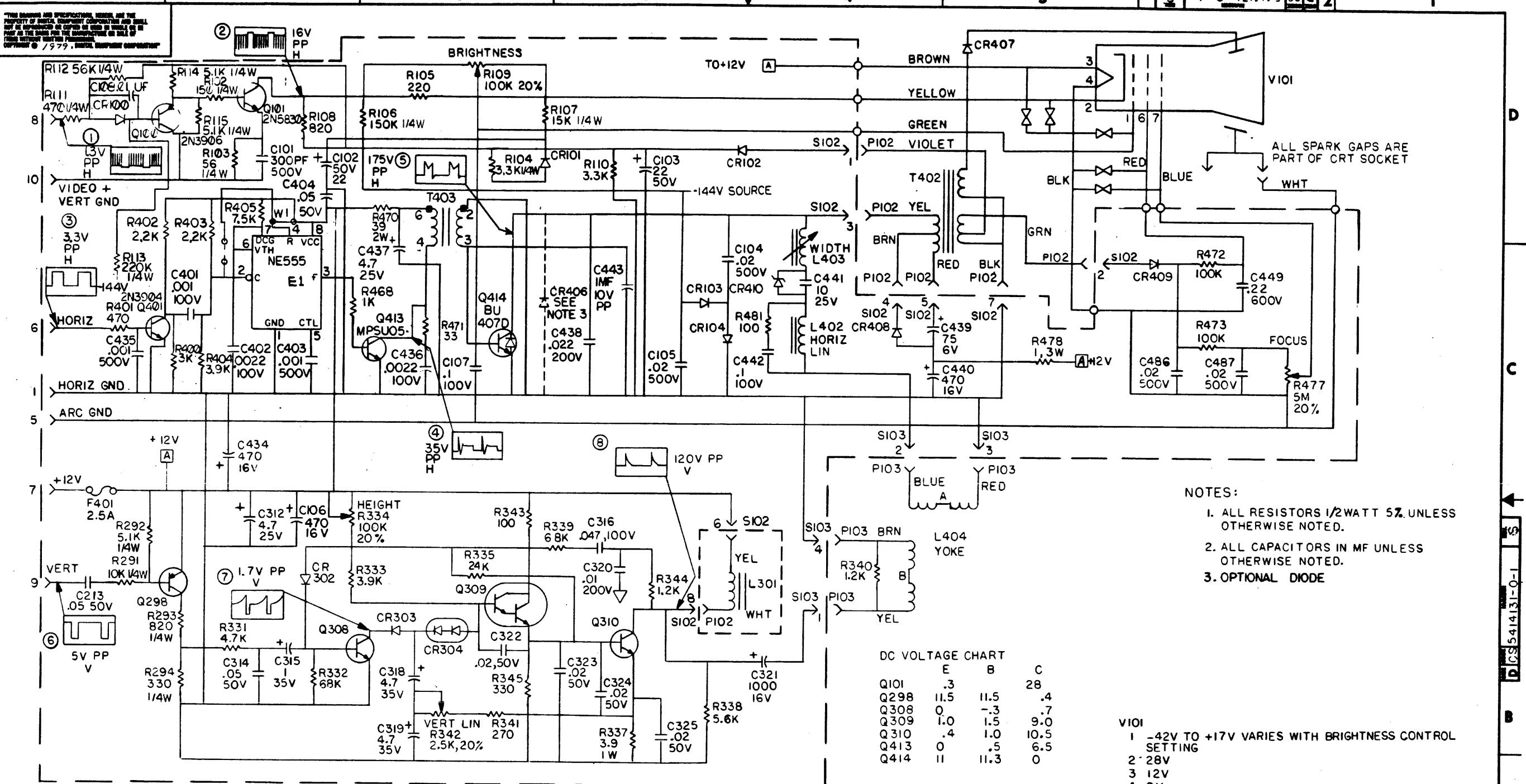
CHG/CHANGE NO	REV	DATE	BY
2	S443-M-007	P	
	REDRAWN	1-2-74	
	R.PUCCI		
	S.Perez	3-2-74	

• D-PI

SIGNATURES	DATE	digital		
DRN. <i>[Signature]</i>	12-26-89			
CHK'D <i>[Signature]</i>	12-26-89			
MECH. ENG. <i>R. Price</i>	1-11-91			
PROJ. ENG. <i>[Signature]</i>	1-11-91	TITLE		
PROD. <i>[Signature]</i>	1-1-91	VTI00 MONITOR		
SCALE 2/1	SIZE CODE	NUMBER		REV
SHT. 1 OF 1	D UA	5414131-0-0		P

8 7 6 5 ↑ 4 3 2 1 WO#267839

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART OR FOR THE SAME OR SIMILAR PURPOSES OR FOR SALE OF THIS WITHOUT WRITTEN PERMISSION FROM DIGITAL EQUIPMENT CORPORATION © 1979, DIGITAL EQUIPMENT CORPORATION.



- NOTES:
1. ALL RESISTORS 1/2 WATT 5% UNLESS OTHERWISE NOTED.
  2. ALL CAPACITORS IN MF UNLESS OTHERWISE NOTED.
  3. OPTIONAL DIODE

	E	B	C
Q101	.3		28
Q298	11.5	11.5	.4
Q308	0	-.3	.7
Q309	1.0	1.5	9.0
Q310	.4	1.0	10.5
Q413	0	.5	6.5
Q414	11	11.3	0

V101  
 1 -42V TO +17V VARIES WITH BRIGHTNESS CONTROL  
 SETTING  
 2 -28V  
 3 12V  
 4 0V  
 5 NC  
 6 +365V  
 7 0V TO +360V VARIES WITH FOCUS CONTROL SETTING  
 2ND ANODE 12KV

REVISIONS		REV. NO.		REV.	
CHK					
Y	5414131-01	H			
Z	5414131-01	K			
A	5414131-01	L			
B	5414131-01	M			
C	5414131-01	N			
D	5414131-01	P			
E	5414131-01	S			
F	5414131-01	T			
G	5414131-01	U			
H	5414131-01	V			
I	5414131-01	W			
J	5414131-01	X			
K	5414131-01	Y			
L	5414131-01	Z			
M	5414131-01	A			
N	5414131-01	B			
O	5414131-01	C			
P	5414131-01	D			
Q	5414131-01	E			
R	5414131-01	F			
S	5414131-01	G			
T	5414131-01	H			
U	5414131-01	I			
V	5414131-01	J			
W	5414131-01	K			
X	5414131-01	L			
Y	5414131-01	M			
Z	5414131-01	N			
A	5414131-01	O			
B	5414131-01	P			
C	5414131-01	Q			
D	5414131-01	R			
E	5414131-01	S			
F	5414131-01	T			
G	5414131-01	U			
H	5414131-01	V			
I	5414131-01	W			
J	5414131-01	X			
K	5414131-01	Y			
L	5414131-01	Z			
M	5414131-01	A			
N	5414131-01	B			
O	5414131-01	C			
P	5414131-01	D			
Q	5414131-01	E			
R	5414131-01	F			
S	5414131-01	G			
T	5414131-01	H			
U	5414131-01	I			
V	5414131-01	J			
W	5414131-01	K			
X	5414131-01	L			
Y	5414131-01	M			
Z	5414131-01	N			
A	5414131-01	O			
B	5414131-01	P			
C	5414131-01	Q			
D	5414131-01	R			
E	5414131-01	S			
F	5414131-01	T			
G	5414131-01	U			
H	5414131-01	V			
I	5414131-01	W			
J	5414131-01	X			
K	5414131-01	Y			
L	5414131-01	Z			
M	5414131-01	A			
N	5414131-01	B			
O	5414131-01	C			
P	5414131-01	D			
Q	5414131-01	E			
R	5414131-01	F			
S	5414131-01	G			
T	5414131-01	H			
U	5414131-01	I			
V	5414131-01	J			
W	5414131-01	K			
X	5414131-01	L			
Y	5414131-01	M			
Z	5414131-01	N			
A	5414131-01	O			
B	5414131-01	P			
C	5414131-01	Q			
D	5414131-01	R			
E	5414131-01	S			
F	5414131-01	T			
G	5414131-01	U			
H	5414131-01	V			
I	5414131-01	W			
J	5414131-01	X			
K	5414131-01	Y			
L	5414131-01	Z			
M	5414131-01	A			
N	5414131-01	B			
O	5414131-01	C			
P	5414131-01	D			
Q	5414131-01	E			
R	5414131-01	F			
S	5414131-01	G			
T	5414131-01	H			
U	5414131-01	I			
V	5414131-01	J			
W	5414131-01	K			
X	5414131-01	L			
Y	5414131-01	M			
Z	5414131-01	N			
A	5414131-01	O			
B	5414131-01	P			
C	5414131-01	Q			
D	5414131-01	R			
E	5414131-01	S			
F	5414131-01	T			
G	5414131-01	U			
H	5414131-01	V			
I	5414131-01	W			
J	5414131-01	X			
K	5414131-01	Y			
L	5414131-01	Z			
M	5414131-01	A			
N	5414131-01	B			
O	5414131-01	C			
P	5414131-01	D			
Q	5414131-01	E			
R	5414131-01	F			
S	5414131-01	G			
T	5414131-01	H			
U	5414131-01	I			
V	5414131-01	J			
W	5414131-01	K			
X	5414131-01	L			
Y	5414131-01	M			
Z	5414131-01	N			
A	5414131-01	O			
B	5414131-01	P			
C	5414131-01	Q			
D	5414131-01	R			
E	5414131-01	S			
F	5414131-01	T			
G	5414131-01	U			
H	5414131-01	V			
I	5414131-01	W			
J	5414131-01	X			
K	5414131-01	Y			
L	5414131-01	Z			
M	5414131-01	A			
N	5414131-01	B			
O	5414131-01	C			
P	5414131-01	D			
Q	5414131-01	E			
R	5414131-01	F			
S	5414131-01	G			
T	5414131-01	H			

## PARTS LIST

SHEET A1 OF A3

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
				00	01	
1	1	E-MD-5014130-0-0	5014130-00 DRILLED AND ETCH BOARD FOR VT100	1	1	C107,C442
		1016544-00 .1 MFD 100V 10% MYLR		2	2	C449
		1016546-00 .22 MFD 660V 10% MET. MYLR		1	1	C436,C402
		1016569-00 .0022 MFD 100V 10% MYLR		2	2	C320
		1016639-00 .01 MFD 200V 10% MYLR		1	1	C438
		1016547-00 .022 MFD 200V 10% MYLR		1	1	C321
		1016548-00 1000 MFD 16V +50-10% AL EL		1	1	C443
		1010274-02 1 MFD 50V +80-20% CER		1	1	C102,C103
		1016555-00 22 MFD 50V +50-10% AL EL		2	2	C318,C319
		1016496-00 4.7MFD 35V 20% S.TANT		2	2	C439
		1016554-00 .75 MFD 6V +75-10% AL EL		1	1	C312,C437
		1016553-00 4.7MFD 25V +75-10% AL EL		2	2	C441
		1016558-00 .10 MFD 25V 20% AL EL		1	1	C106,C434,C440
		1016557-00 .470 MFD 16V +50-10% AL EL		3	3	C213,C314,C404
		1016556-00 .05 MFD 100V +80-20%ZSU DISC		3	3	C435,C403
		1016570-00 .001 MFD 500V +80-20%ZSU DISC		2	2	C104,C105,C486,C487
		1016571-00 .02 MFD 500V +80-20%ZSU DISC		4	4	C101
		1016572-00 300.0 MMF 500V 10% XSP DISC		1	1	C322,C323,C324,C325
		1000004-00 .02 MFD 100V 20% ZSU DISC		4	4	CR101,CR102,CR103,CR104
		1116474-00 IN 4007 PIV=1000 I=1A D041		4	4	CR304
		1116477-00 IN 4156 PIV= 20 D035		1	1	CR410
		1114892-00 IN 4747A VZ= 20.0 5% 1W		1	1	CR408
		1116476-00 PIV=400		1	1	
		1216530-04 MAGNET PINCUSHION 10 GAUSS		1	1	
		1003053-00 .047 MFD 250V 20% MET. MYLR		1	1	C316
		1316522-00 2.50 K .25 W20.0 % POT		1	1	R342
		1316522-02 5.0 M .25 W20.0 % POT		1	1	R477
		1316522-01 100.0 K .25 W20.0 % POT		2	2	R109,R334
		1317528-00 39.0 2.0 W10.0 % CC		1	1	R470
		1300479-00 10.0 K .25 W 5.0 % CC		1	1	R291

## REVISION HISTORY

ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	KENT GLEESEN	DATE: 24-MAR-81	D	I	G	I	T	A	L
				CHK'D:	KENT GLEESEN	DATE: 24-MAR-81							
DP	5414131-ML007	P	SECTION VARIATION INDEX	DES. ENG:	DICK PUCCI	DATE: 24-MAR-81							
DP	5414131-ML008	R	[A] 00,C1	RESP. ENG.:	DICK PUCCI	DATE: 24-MAR-81							
		S	[B]										
			[C]										
			[D]										
			[E]										
			[F]										
			[G]										
			[H]										
			[I]										
			[J]										
			[K]										
			[L]										
			[M]										
			[N]										
				MFG. ENG.:	AL JOHNS	DATE: 24-MAR-81	K	PL	5414131-0-DBP	S			
				ASSEMBLY NUMBER:	D-UA-5414131-0-0	TOP DOCUMENT NUMBER:			FILE NAME:	EDIT #			
						B-DD-5414131-0-0			22387S.PLS	11			

"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) 1982. DIGITAL EQUIPMENT CORPORATION"

AUTOMATED BY PRTLST.3P(44)

## PARTS LIST

SHEET A2 OF A3

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
				00	01	
31	31	1300445-00	4.70 K .50 W 5.0 %	CC	1 1	R331
32	32	1316504-00	68.0 K .50 W 5.0 %	CC	1 1	R332
33	33	1300385-00	1.20 K .50 W 5.0 %	CC	1 1	R344
34	34	1316506-00	100.0 K .50 W 5.0 %	CC	2 2	R472, R473
35	35	1316508-00	5.60 K .50 W 5.0 %	CC	1 1	R338
36	36	1316509-00	3.90 K 1.0 .25 W 5.0 %	CC	1 1	R337
37	37	1302396-00	150.0 K .25 W 5.0 %	CC	1 1	R106
38	38	1300228-00	100.0 K .50 W 5.0 %	CC	2 2	R481, R343
39	39	1300364-00	1.0 K .50 W 5.0 %	CC	1 1	R468
40	40	1300296-00	330.0 K .50 W 5.0 %	CC	1 1	R345
41	41	1300356-00	820.0 K .50 W 10.0 %	CC	1 1	R108
42	42	1300461-00	6.80 K .50 W 5.0 %	CC	1 1	R339
43	43	1300440-00	3.30 K .50 W 5.0 %	CC	1 1	R110
44	44	1300496-00	15.0 K .25 W 5.0 %	CC	1 1	R107
45	45	1300274-00	220.0 K .50 W 5.0 %	CC	1 1	R105
46	46	1300285-00	270.0 K .50 W 5.0 %	CC	1 1	R341
47	47	1316525-00	1.0 3.0 W10.0 %	WW	1 1	R478
48	48	1509525-00	2N 3906 PNP 310MW SI 40100 Y		1 -	Q298
		CONT			2	Q298, Q100
49	49	1516492-00	2N 5830 NPN 1W SI100 1		1 1	Q101
50	50	1509524-00	2N 3904 NPN 310MW SI 40 40 M		2 2	Q308, Q401
51	51	1516491-00	2N 6427 NPN 1.5W SI 40 1.5		1 1	Q309
52	52	1516532-00	NPN 125W SI250 25		1 1	Q310
53	53	1516490-00	MPSU05 NPN 10W SI		1 1	Q413
54	54	1517534-00	BU 407D NPN POWER TRANS T0220		1 1	Q414
55	55	4901303-00	WAX	A/R	A/R	
56	56	9107685-00	TUBING, SHRINK 1/2 DIA. EXP. UL	A/R	A/R	
57	57	1616309-00	XFMR, HORIZONTAL DRIVE		1 1	
58	58	1616538-00	COIL, HORIZONTAL, LINEAR		1 1	T403
59	59	1616536-00	XFMR HORIZONTAL WIDTH		1 1	L402
60	60	1210929-05	FUSE, SUB-MINI, 2.500A, 125V, A		1 1	L403
61	61	1216521-01	HEADER 4POS		1 1	F401
62	62	1216521-00	HEADER 4POS		1 1	S102
63	63	1216471-00	HEAT SINK, BOTTOM ONLY		1 1	S103
64	64	1217561-00	HEAT SINK, TO-220, YELLOW CHROMATE		1 1	
65	65	4901304-00	COMPOUND, SILICONE THERMAL, VISC	A/R	A/R	
66	66	9006022-01	SCREW, PAN, PHIL 6-32X 3/8 SS	A/R	A/R	
67	67	1001776-00	1 MFD 35V 10% S.TANT		1 1	C315
68	68	1304837-00	24.0 K .25 W 5.0 %	CC	1 1	R335
69	69	1300315-00	470.0 K .50 W 5.0 %	CC	1 1	R401
70	70	1300415-00	2.20 K .50 W 5.0 %	CC	2 2	R402, R403
71	71	1300443-00	3.90 K .50 W 5.0 %	CC	2 2	R404, R333
72	72	1300467-00	7.50 K .50 W 5.0 %	CC	1 1	R405
73	73	1000042-00	1000.0 MMF 100V 5%200PPM MICA		1 1	C401
74	74	1911944-00	555CN TIMER, FUNCT. BLOCK		1 1	E1
75	75	9006659-00	WASHER, FLAT, .375 O.D. X .156 I		2 2	
76	76	9008185-00	NUT, KEP 6-32X 1/4 AF		3 3	
77	77	1300197-00	33.0 .25 W 5.0 %	CC	1 1	R471

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							VT100 MONITOR		K	PL	5414131-0-DBP	S

AUTOMATED BY PRTLST.3P(44)

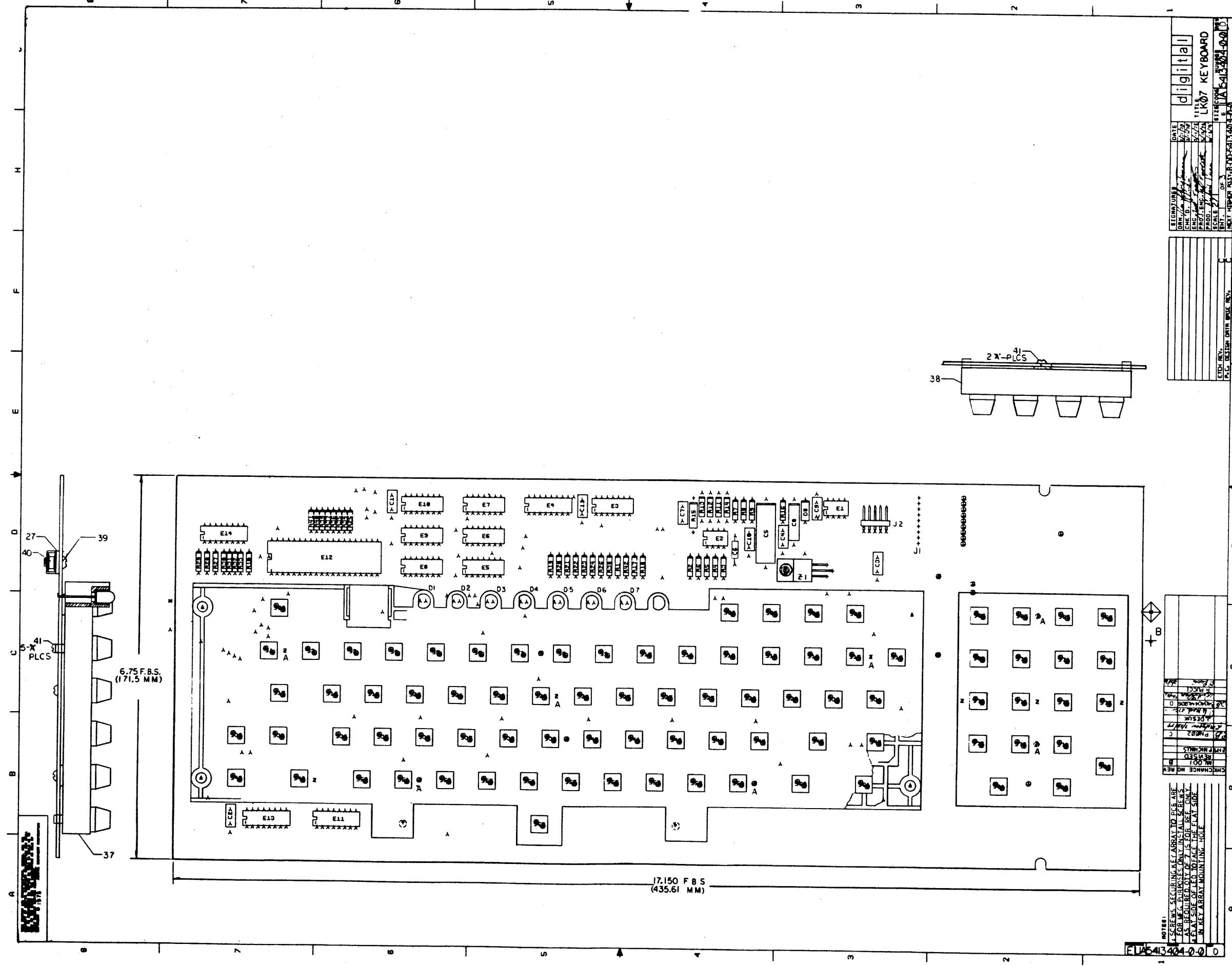
## PARTS LIST

SHEET A3 OF A3

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
				00	01	
78	78	1300432-00	3.0 K .25 W 5.0 %	CC	1 1	R400
79	79	1300439-00	3.30 K .25 W 5.0 %	CC	1 1	R104
80	80	1301775-00	820.0 .25 W 5.0 %	CC	1 1	R293
81	81	1300295-00	330.0 .25 W 5.0 %	CC	1 1	R294
82	82	9107776-99	WIRE(WRAP)22AWG, IPVC, UL1429 WH	A/R	-	
83	83	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	B	1 1	W1
84	84	1302602-00	56.0 .25 W 5.0 %	CC	1 1	R102,R103
			CONT			R103
85	85	1300250-00	150.0 .25 W 5.0 %	CC	1 1	R102
86	86	1300316-00	470.0 .25 W 5.0 %	CC	1 1	R111
87	87	1302395-00	56.0 K .25 W 5.0 %	CC	1 1	R112
88	88	1302092-00	220.0 K .25 W 5.0 %	CC	1 1	R113
89	89	1312930-00	5.10 K .25 W 5.0 %	CC	1 1	R292
			CONT			R292,R114,R115
90	90	1001610-00	.01 MFD 50V +80-20% ZSU CER	-	1	C108
91	91	1116475-00	IN 4148 PIV=75 D035	2	-	CR302,CR303
			CONT			CR302,CR303,CR100
92	92	1111854-01	MR 817 PIV=800 I= 1A D041 S	1	1	CR409

93 NOTE: P/N 1000051-00 CAN BE USED AS AN ALTERNATE FOR P/N 1003053-00.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
D	I	G	I	T	A	L	VT100 MONITOR		K	PL	5414131-0-DBP	S



THE COMPUTER AND PERIPHERAL DIVISION  
DEPARTMENT OF THE EQUIPMENT DIVISION  
THE DIGITAL EQUIPMENT CORPORATION  
QUINCY, MASSACHUSETTS 02269 U.S.A.  
PRINTED IN U.S.A. BY THE MANUFACTURER  
REPRODUCTION OR REPRODUCTION  
BY OTHER PARTIES IS NOT PERMITTED  
© 1979 DIGITAL EQUIPMENT CORPORATION

卷之三

1

5

3

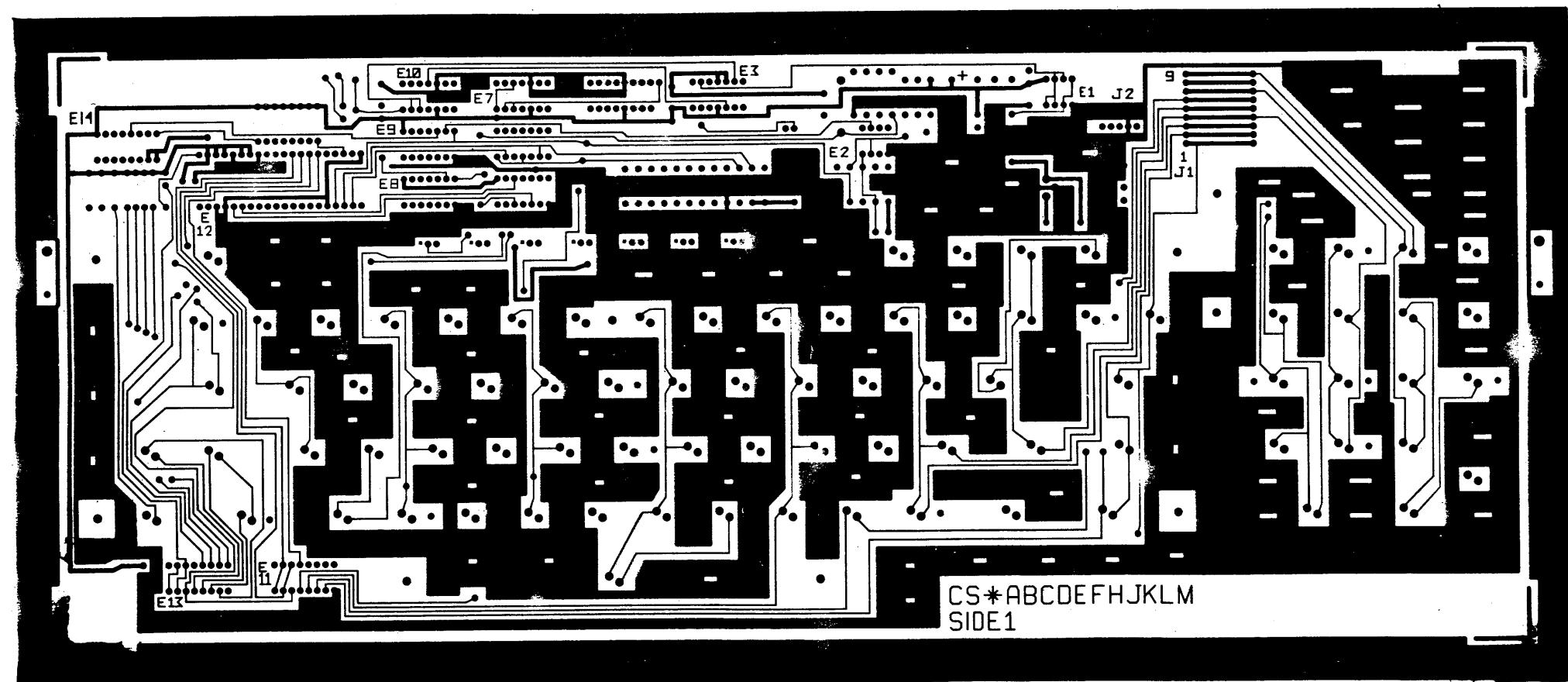
3

1

100

4

5413404  
5013403 C-PI



CS\*ABCDEFGHIJKLM  
SIDE1

**REVISIONS**

8

1

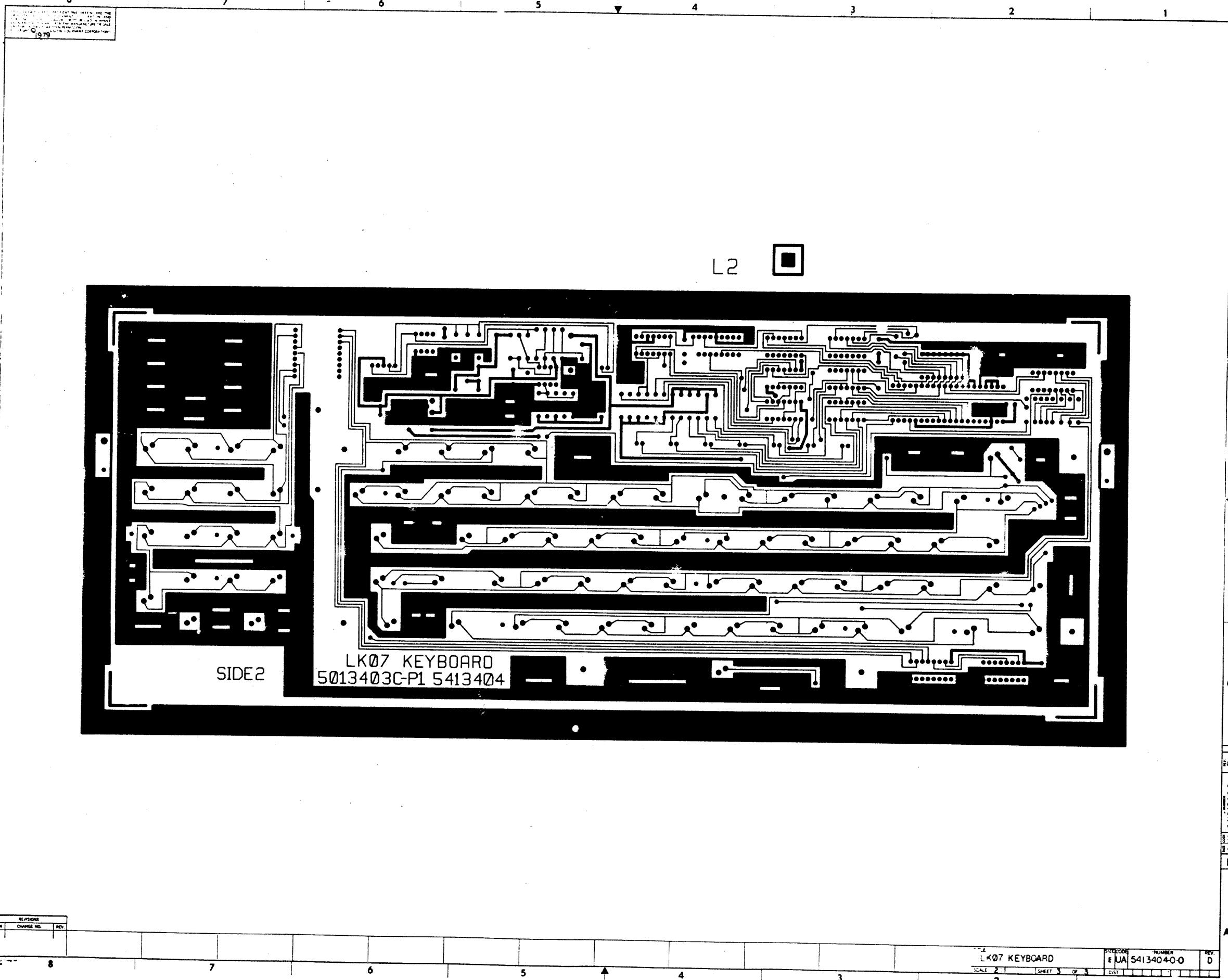
1

1

1

1

LK07 KEYBOARD		SIZE/CODE E UA	NUMBER 5413404-0-0	REV. D.
LE 2 : 1 SHEET 2 OF 3		DIST.		
2			1	



REVISIONS

CHG	CHANGE NO.	REV
1	1	A

8

7

6

5

4

3

2

1

▲

▼

LK07 KEYBOARD

SCALE 2:1

SHEET

3

OF

3

DIST

1

1

P/N 5413404-0  
REV D

NUMBER

5413404-0

REV

D

AUTOMATED BY PRTLST.3L(34)

## PARTS LIST

SHEET A1 OF A2

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	1	D-MD-5013403-0-0	5013403-00 DRILL & ETCH DRAWING	1	C7
2	2	1000014-00	68.0 MMF 100V 5%200PPM MICA	1	C5
3	3	1000075-00	25 MFD 25V +75-10% AL EL	1	C6
4	4	1001634-00	1600.0 MMF 100V 5%200PPM MICA	1	C8
5	5	1005306-00	.6.8MFD 35V 10% S.TANT	1	C1,C2,C4,C9-C11
6	6	1012784-00	.047 MFD 50V +80-20% CER	6	D8
7	7	1105275-00	D 672 TR= 15NS PIV= 60V SI	1	D1-D7
8	8	1110324-01	LED 1MCD310MA PIV=3 .750 MIN. LE	7	J2
9	9	1215048-00	CONN SPOS RT ANGLE	1	R16,R42
10	10	1300309-00	390.0 .25 W 5.0 % CC	2	R15
11	11	1300315-00	470.0 .50 W 5.0 % CC	1	R10,R19,R21-R24
12	12	1300365-00	1.0 K .25 W 5.0 % CC	6	R26-R33,R38
13	13	1300439-00	3.30 K .25 W 5.0 % CC	9	R2,R3,R17,R25,R34-R37,R39-R41
14	14	1300479-00	10.0 K .25 W 5.0 % CC	11	R1
15	15	1301401-00	750.0 .25 W 5.0 % CC	1	R18,R20
16	16	1301425-00	300.0 .25 W 5.0 % CC	2	R5,R7,R9
17	17	1301874-00	5.60 K .25 W 5.0 % CC	3	R4,R6
18	18	1302391-00	20.0 K .25 W 5.0 % CC	2	R12
19	19	1303155-00	21.50 K .25 W 1.0 % RN55D-F10	1	R8
20	20	1303187-00	820.0 K .25 W 5.0 % CC	1	R11
21	21	1303312-00	10.0 K .25 W 1.0 % RN55D-F10	1	R14
22	22	1304833-00	1.96 K .25 W 1.0 % RN55D-F10	1	R13
23	23	1309412-00	18.20 K .25 W 1.0 % RN55D-F10	1	E9
24	24	1909606-00	7404 INVERTER GATE-HEX 1I	1	E1
25	25	1910406-00	75451 DRIVER, PERIPH, DUAL	1	E8
26	26	1910741-00	7406 INVERTER GATE-HEX 1I	1	Z1
27	27	1912536-01	7805 VOLT REG, FIX +5V	1	E4
28	28	1912649-00	LS75 LATCH 4BIT, BISTABLE	1	E5
29	29	1912799-00	LS00 NAND-GATE-QUAD 2IN, P	1	E3
30	30	1912823-00	LS73 FF-JK DUAL W/CLEAR	1	

REVISION HISTORY		BASIC PART NO: 5413404		DRN:	T SHETRAWSKI	DATE: 23-JUL-79	D	I	G	I	T	A	L
ENG! ECO NUMBER		REV SECTION A OF A		CHK'D:		T SHETRAWSKI	TITLE		PARTS LIST				
RP 5413404-ML001		B SECTION VARIATION INDEX		CHK'D:		T SHETRAWSKI	DATE: 23-JUL-79		VT100 FULL KEYBOARD				
J.D 5413404-PN002		C [A] 00		DES.ENG:		M MORGESTERN	DATE: 23-JUL-79		DOCUMENT NUMBER				
J.B 5413404-PN003		D [B]		RESP.ENG.: M MORGESTERN			DATE: 23-JUL-79		SIZE CODE NUMBER				
CJ 5413404-ML004		E [C]		MFG.ENG.: T CORCIARI			DATE: 23-JUL-79		K	PL	5413404-0-DBP	F	
CJ 5413404-ML005		F [D]		ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:		FILE NAME: EDIT #				
[E]		[F]		[G]		[H]	D-UA-5413404-0-0		Z0783F.PLS				
[I]		[J]		[K]		[L]	[M]		11				
[N]		[O]		[P]		[Q]	[R]		[S]				
[T]		[U]		[V]		[W]	[X]		[Y]				
[Z]		[AA]		[AB]		[AC]	[AD]		[AE]				
[AF]		[AG]		[AH]		[AI]	[AJ]		[AK]				
[AL]		[AM]		[AN]		[AO]	[AP]		[AQ]				
[AR]		[AS]		[AT]		[AU]	[AV]		[AW]				
[AZ]		[BA]		[CA]		[DA]	[EA]		[FA]				
[GA]		[HA]		[IA]		[JA]	[KA]		[LA]				
[NA]		[OA]		[PA]		[RA]	[SA]		[TA]				
[ZA]		[BA]		[CA]		[DA]	[EA]		[FA]				
[GA]		[HA]		[IA]		[JA]	[KA]		[LA]				
[NA]		[OA]		[PA]		[RA]	[SA]		[TA]				
[ZA]		[BA]		[CA]		[DA]	[EA]		[FA]				
[GA]		[HA]		[IA]		[JA]	[KA]		[LA]				
[NA]		[OA]		[PA]		[RA]	[SA]		[TA]				
[ZA]		[BA]		[CA]		[DA]	[EA]		[FA]				
[GA]		[HA]		[IA]		[JA]	[KA]		[LA]				
[NA]		[OA]		[PA]		[RA]	[SA]		[TA]				
[ZA]		[BA]		[CA]		[DA]	[EA]		[FA]				
[GA]		[HA]		[IA]		[JA]	[KA]		[LA]				
[NA]		[OA]		[PA]		[RA]	[SA]		[TA]				
[ZA]		[BA]											

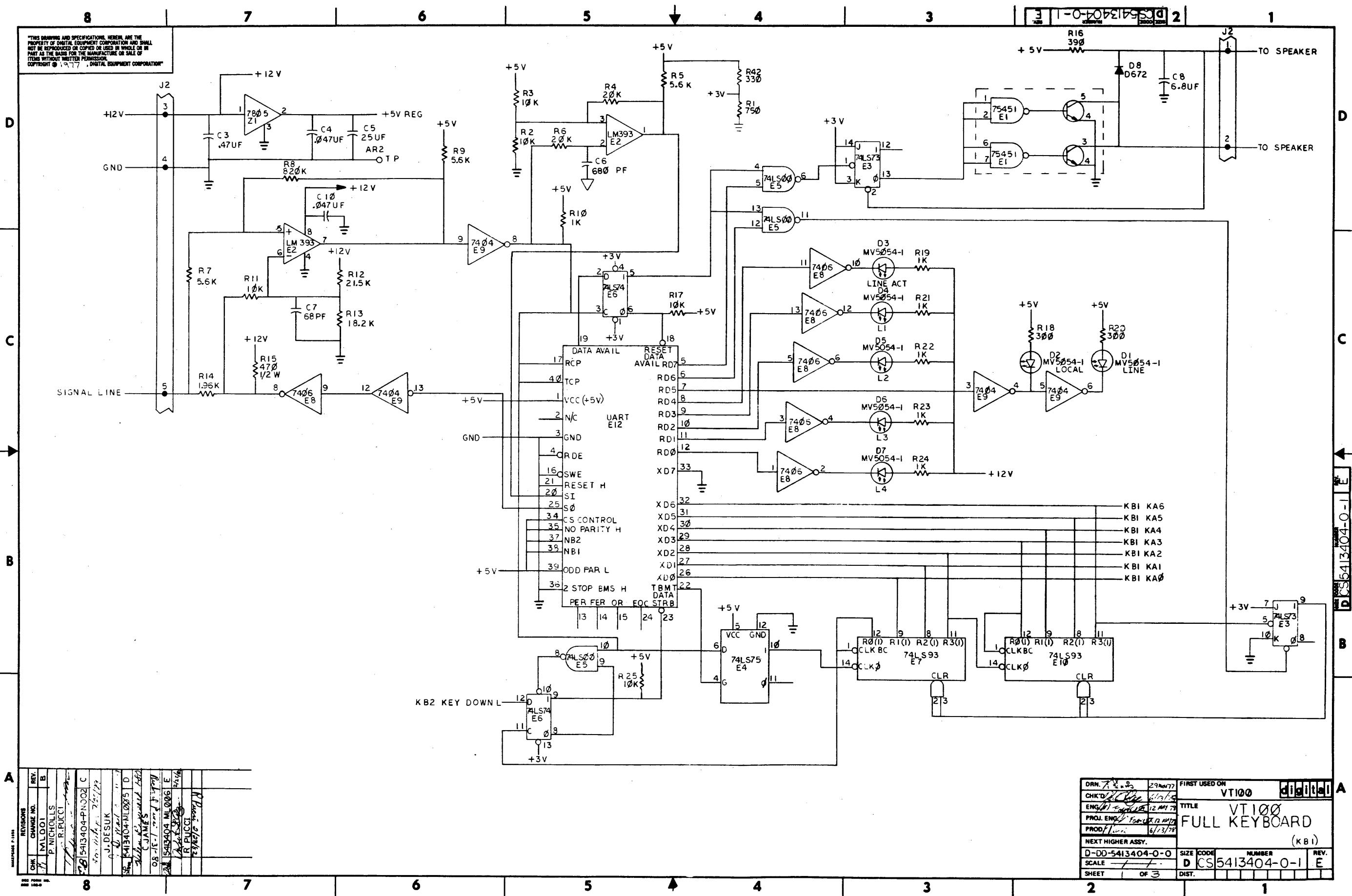
AUTOMATED BY PRTLST.3L(34)

## P A R T S   L I S T

SHEET A2 OF A2

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
31	31	1912824-00	LS74 FF-D DUAL, EDGE TRIGG	1	E6
32	32	1912844-00	LS151 MUX 1 OF 8 & DATA	1	E14
33	33	1913949-00	LS93 COUNTER, DECADE, 4BIT	2	E7 E10
34	34	1913950-00	LS156 DECODER, 2 OF 4(DUAL)	2	E11, E13
35	35	1914156-00	LM 393 VOLT. COMPARATOR DUAL	1	E2
36	36	2114137-51	UART MOS N-CHANNEL	1	E12
37	37	7013910-00	KEYBOARD ARRAY ASSY	1	
38	38	7014561-00	18 KEY NUMERIC PAD ASSY	1	
39	39	9006020-01	SCREW, PAN, PHIL 6-32X 1/4 SS	1	
40	40	9008185-00	NUT, KEP 6-32X1/4 AF	1	
41	41	9010033-00	SCREW, PAN, PHILLIPS, 4-24 X 3/8	7	
42	42	1012312-01	.47 MFD 50V +80-20% CER	1	C3

TITLE				SECTION A OF A			SIZE!CODE! DOCUMENT NUMBER   REV			
D	I	G	I	T	A	L	VT100 FULL KEYBOARD			
							K	PL	5413404-0-DBP	F



8

7

6

5

4

3

2

1

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND MAY NOT BE 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

D

C

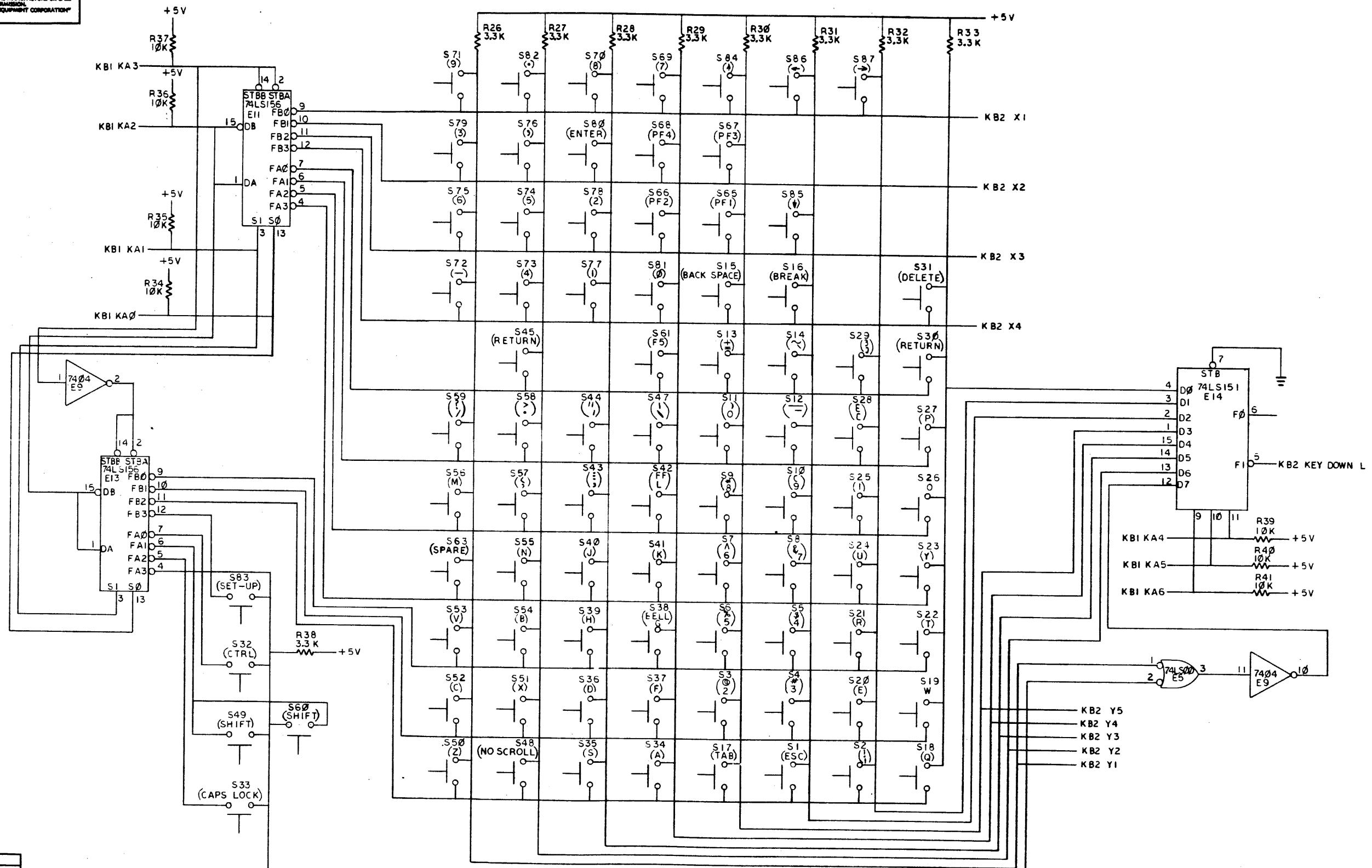
C

B

B

A

A



REVISIONS		
CHK	CHANGE NO.	REV.

8 7 6 5 4 3 2 1

TITLE: VT100 FULL KEYBOARD (KB2) SIZE CODE: D CS5413404-0-1 REV. E  
SCALE: 1:1 SHEET 2 OF 3 DIST. 1

8

7

6

5

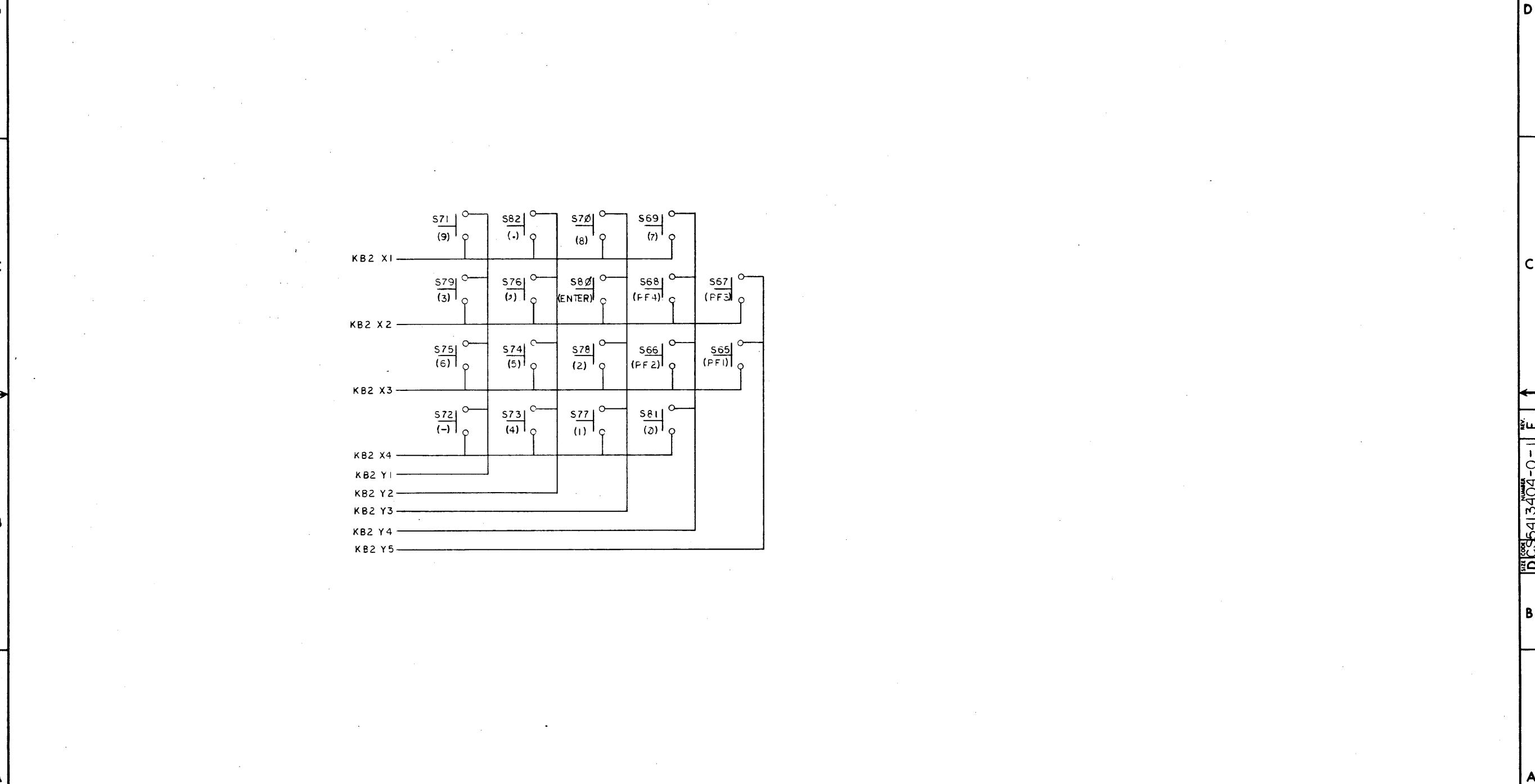
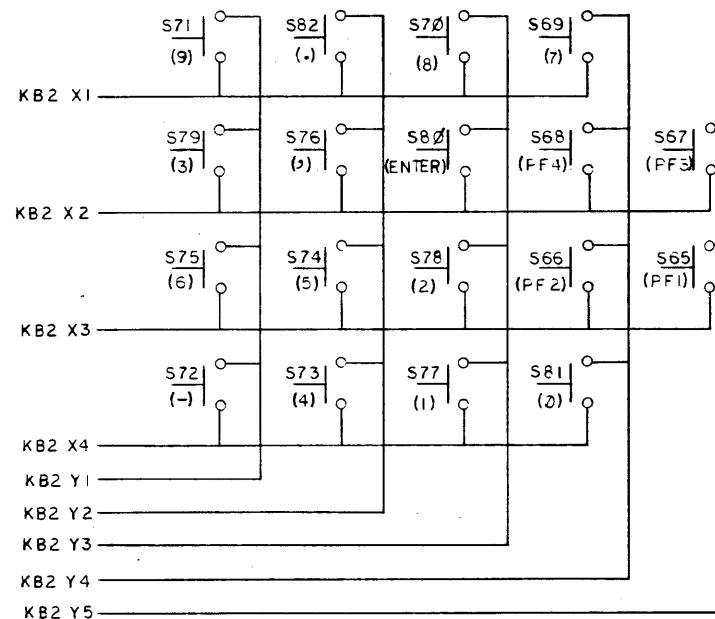
4

3

1

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

REV. E DCS5413404-0-1



REVISIONS		
CHK	CHANGE NO.	REV.

DRAWING NUMBER

8

7

6

5

4

3

1

TITLE: VT100 FULL KEYBOARD (KB3) SIZE CODE: DCS5413404-0-1  
SCALE: / / / SHEET 3 OF 3 DIST.:

REV. E

8

7

1

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 © 1978, DIGITAL EQUIPMENT CORPORATION

1 OR 2 REF

— 17.20  
REF

6-73  
RF

SEE DETAIL "A"

**NOTES :**

1. THE NUMERIC KEY PAD IS NOT AVAILABLE ON THE E-UA-5A13404-01 VARIATION.

2. STANDARD VT100 BASIC KEYCAP SET (1214333-7),  
ITEM 5) AND 11 NUMERIC PAD (1214333-9),  
ITEM 6) SHOWN. FOR KEYCAP ARRANGEMENTS  
REFER TO LCC DRAWING NUMBER  
D-AR-7015745-2-1.

3. FOR INDIVIDUAL FIELD SERVICE/CUSTOMER SPARES SHIPMENTS, USE PACKAGING INSTRUCTIONS A-SP-3700555-0-0; FOR BULK INTERPLANT SHIPMENTS, USE PACKAGING INSTRUCTIONS A-SP-3700439-00 VARIATION -00.

A decorative vertical border on the left side of the page, consisting of a repeating pattern of rectangular and square shapes in a light beige or cream color.

A 4x4 grid of buttons. The top row contains labels PF1, PF2, PF3, and PF4. The second row contains numbers 7, 8, 9, and a dash (-). The third row contains numbers 4, 5, 6, and a comma (,). The bottom row contains numbers 1, 2, 3, and 0. To the right of the 3 is an additional button labeled ENTER.

**VIEW A-A**

The diagram shows a mechanical assembly. On the left, a vertical component has two labels: '1 OR 2 REF' pointing to its top part, and '1 OR 2' pointing to its side. A horizontal rod extends from the bottom of this component. At the end of the rod is a small rectangular part with a central hole, labeled '4 (QTY 83)' and 'OR (QTY 65)'. A dashed line extends from this part to another component on the right, which is labeled '3 or 18'. From the right side of this second component, a long horizontal line extends to the right, ending with a series of labels: '5', 'OR', '6', 'OR', '7', 'OR', '10', 'OR', '11', 'OR', and '12 THROUGH'.

SEE NOTE 2.

- SEE NOTE 1 / SEE NOTE 2

1782

OFF SHEET PARTS LIST EXISTS  
SEE K-PL-7015765-0-03P

			DESCRIPTION		DWG./PART NO.		ITEM NO.	
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
QUANTITY & VARIATION	ANGLES 5° 30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES					
	SURFACE QUALITY IN	✓ CHECK ONE	OVER 8	OVER 0.2	OVER 0.5	OVER 1.0	OVER 4.0	
	MEDIUM	± .006	± .008	± .012	± .016	± .024	± .04	
	MICROWHICHES	PREFERRED	± .012	± .016	± .026	± .04	± .063	
ANGLE PROJECTION		DRWGS. <i>Figures</i>	5-10-10	FIRST USED ON				
		CHK'D <i>Figures</i>	5-10-10	VT100			digital	
REMOVE BURRS AND BREAK SHARP CORNERS		ENG. <i>Figures</i>	5-10-10	TITLE				
DO NOT SCALE DWG		PROJ. ENG. <i>Figures</i>	5-10-10	KEY BOARD /				
		PROD. <i>Figures</i>	5-10-10	KEY CAP ASSY				
		NEXT HIGHER ASSY.						
PARTS LIST		B-00-705765-0						
SCALE		NONE						
SHEET		1	OF	1	SIZE	CODE	NUMBER	REV.
NONE					D	A	7015165-0-0	H
					DIST.			

AUTOMATED BY PRTLST.3P(44)

## PARTS LIST

SHEET A1 OF A1

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION									
				00	01	02	03	04	05	06	07	08	
1	1	E-AD-5413404-0-0	5413404-00	VT100 FULL KEYBOARD	1	-	1	1	1	1	1	1	
2	2	E-AD-5413404-0-0	5413404-01	KEYBOARD ASSY (64 KEYS)	-	1	-	-	-	-	-	-	
3	3	C-AD-7015050-0-0	7015050-00	SPACE BAR ASSY	1	1	1	1	1	1	1	1	
4	4		1214332-00	SW.ARRAY CAP ADAPTER	83	65	83	83	83	83	83	83	
5	5		1214333-72	KEYCAP SET,VT100	G4PCS	1	1	-	-	-	-	-	-
6	6		1214333-91	KEYCAP SET,LA120/34 VT100	18PCS	1	-	-	-	-	-	-	-
7	7		1214333-C0	KEYCAP SET,VT100-NA	82PCS	-	-	1	-	-	-	-	-
8	8		7420120-00	*** THIS ITEM IS NOT USED ***		-	-	-	-	-	-	-	-
9	9	D-AR-7015765-0-1		KEYBOARD/KEYCAP ASSY		REF							
10	10		1214333-J0	KEYCAP SET,VT100-WA	82PCS	-	-	-	1	-	-	-	-
11	11		1214333-W2	SW.KEY BD CAP COMP SET U3-W1		-	-	-	-	1	-	-	-
12	12		1214333-CP	KEYCAP SET,VT100-WB	82PCS	-	-	-	-	-	1	-	-
13	13		1214333-CB	KEYCAP SET,VT100-WB	82PCS	-	-	-	-	-	1	-	-
14	14		1214333-8U	KEYCAP SET,VT100-WB	82PCS	-	-	-	-	-	1	-	-
15	15		1214333-EY	KEYCAP SET,VT100-WB	82PCS	-	-	-	-	-	-	1	-
16	16		1214333-2Y	KEYCAP SET,VT100	64PCS	-	-	-	-	-	-	1	-
17	17		1214333-3W	KEYCAP SET,LA120/34 VT100	18PCS	-	-	-	-	-	-	-	1
18	18	D-AD-7015050-0-0	7015050-01	SPACE BAR ASSY. GRAY		-	-	-	-	-	-	-	1
19	19	A-SP-3700555-0-0	3700555-00	PKG KEYBOARD 7015765		1	1	1	1	1	1	1	1
20	20	A-SP-3700439-0-0	3700439-00	INSTR PKG. BULK CARTON 99-06476-		1	1	1	1	1	1	1	1
21	21	C-MD-7424160-0-0	7424160-00	SPACE BAR EQUALIZER CLIP		2	2	2	2	2	2	2	2

REVISION HISTORY		!BASIC PART NO: 7015765 !		!DRN: ANGEL COLON		!DATE: 3 APR 78		! D I G I T A L	
!ENG!	!ECO NUMBER	!REV	!SECTION A OF A					TITLE PARTS LIST	
----! INITIAL		!SECTION. VARIATION INDEX		!CHK'D: D. HEALY		!DATE: 7 APR 78			
!JD	!7015765-ML005	!F	! [A] 00,01,02,03,04,05,						
!JD	!7015765-ML006	!H	! 06,07,08,09					KEYBOARD/KEYCAP ASSEMBLY	
		! [B]		!DES.ENG.: E. WEDEKING		!DATE: 10 MAY 78			
		! [C]		!RESP.ENG.: G. DOUMANI		!DATE: 17 MAY 7		DOCUMENT NUMBER	
		! [D]						SIZE!CODE! NUMBER	
		! [E]		!MFG.ENG.: K. HOFFMAN		!DATE: 10 MAY 78 ! K ! PL ! 7015765-0-DBP		! REV	
		! [F]		!ASSEMBLY NUMBER: ID-AD-7015765-0-0		!TOP DOCUMENT NUMBER: #B-DD-7015765-0		! FILE NAME: Z1933H.PLS	
								! EDIT #! 6	
"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 "									

8

7

6

5

4

3

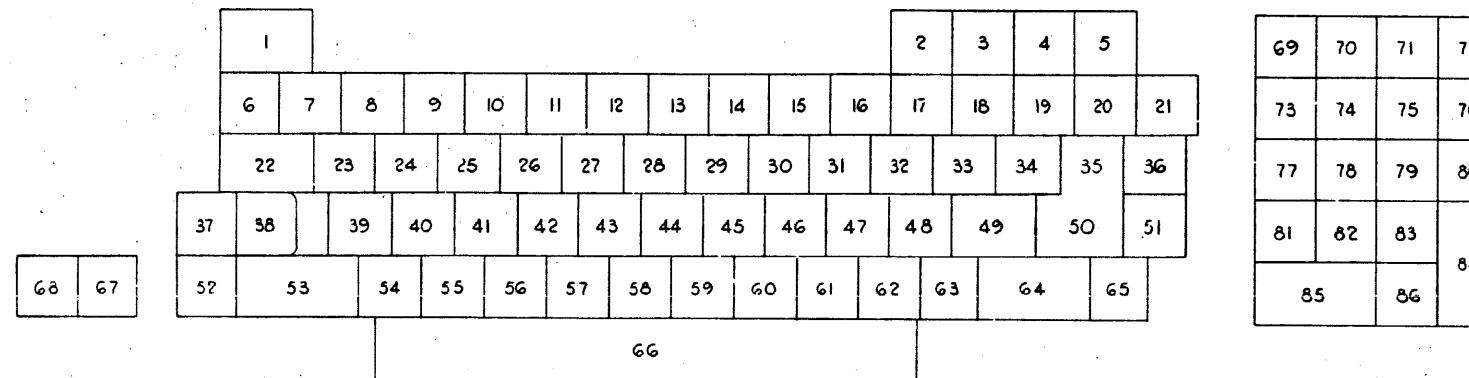
2

1

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION. IT SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF IT'S WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1978, DIGITAL EQUIPMENT CORPORATION

## NOTES:

- I. THE FOLLOWING TABLE (SHEET 2) LISTS VARIATION NUMBERS FOR 124333 (KEYCAPS) INDICATING THE SPECIFIC KEYBOARD POSITION OF EACH AS USED ON VARIOUS MODELS.



KEYBOARD CAP POSITIONS  
(SEE NOTE 1 & TABLE, SHEET 2)

REVISIONS		CHANGE NO.		REV.	
D	AR	7015765-MLO02	A		
				27002-28	
L. KING	P/1000-1-5-79	V1000 .. PN026	B		

8

7

6

5

4

3

2

1

m

l

l

l

l

l

l

l

s

s

s

s

s

s

s

s

e

e

e

e

e

e

e

e

n

n

n

n

n

n

n

n

t

t

t

t

t

t

t

t

d

d

d

d

d

d

d

d

s

s

s

s

s

s

s

s

e

e

e

e

e

e

e

e

n

n

n

n

n

n

n

n

t

t

t

t

t

t

t

t

d

d

d

d

d

d

d

d

s

s

s

s

s

s

s

s

e

e

e

e

e

e

e

e

n

n

n

n

n

n

n

n

t

t

t

t

t

t

t

t

d

d

d

d

d

d

d

d

s

s

s

s

s

s

s

s

e

e

e

e

e

e

e

e

n

n

n

n

n

n

n

n

t

t

t

t

t

t

t

t

d

d

d

d

d

d

d

d

s

s

s

s

s

s

s

s

e

e

e

e

e

e

e

e

n

n

n

n

n

n

n

n

t

t

t

t

t

t

t

t&lt;/

"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 © 1975 DIGITAL EQUIPMENT CORPORATION

KEYCAP VARIATION (1214333-XX) POSITIONS (SEE NOTE 1, SHEET 1)

REVISIONS	
CHK	CHANGE NO.

TITLE	KEYBD CAP-POSITION ARRANGEMENT	SIZE CODE	NUMBER	RE
SCALE	INCHES	SHEET 2 OF 2	DIST.	

"THIS DRAWING AND SPECIFICATIONS, HEREBE, 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 EQUIPMENT, UNLESS EXPRESSLY PERMITTED IN WRITING BY THE COMPANY.  
DEPARTMENT © 1977 - DIGITAL EQUIPMENT CORPORATION

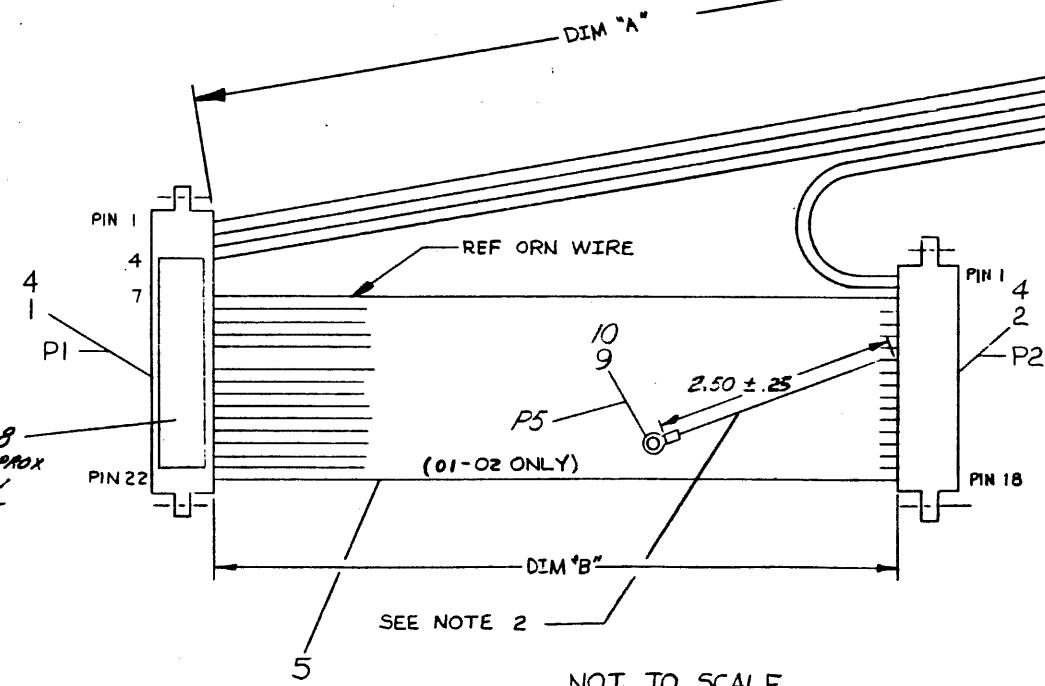
WIRE TABLE

ITEM NO.	DESCRIPTION	FROM		TO		REMARKS	PRECUT WIRE LG FOR VAR-00	PRECUT WIRE LG FOR VAR-01	PRECUT WIRE LG FOR VAR-02
		AWG	COLOR	CONN.	WITH		12.5±.50	12.5±.50	12.5±.50
5 18	RED	PI-22	4	P2-18	4				
4 18	RED	PI-21		P2-17					
	RED	PI-20		P2-16					
	RED	PI-19		P2-15					
	RED	PI-18		P2-14					
	BLK	PI-17		P2-13					
	BLK	PI-16		P2-12					
	BLK	PI-15		P2-11					
	BLK	PI-14		P2-10					
5	BLK	PI-13	4	P2-9			12.5±.50	12.5±.50	13.5±.50
10	GRN	P5	9	P2-8		GRD FOR VAR-00	~	2.75±.25	2.75±.25
5	YEL	PI-11	4	P2-7			12.5±.50	12.5±.50	13.5±.50
	RED	PI-10		P2-6					
	BLUE	PI-9		P2-5					
	BLK	PI-8		P2-4					
5	ORG	PI-7		P2-3			12.5±.50	12.5±.50	13.5±.50
6	WHT	PI-4		P3-9			19.5±.50	19.5±.50	20.5±.50
	GRY	PI-3		P3-8					
	GRN	PI-2		P3-10					
6	YEL	PI-1	4	P3-6			19.5±.50	19.5±.50	20.5±.50
10	GRN	P4	9	P3-5		GRD.	2.75±.25	2.75±.25	2.75±.25
6	ORG	P2-1	4	P3-7			19.5±.50	19.5±.50	20.5±.50
6 18	BLK	P2-2	4	P3-1	4		19.5±.50	19.5±.50	20.5±.50
FOR VAR-00	5 18	BLK	PI-12	4	P2-8	FOR VAR-00	12.5±.50	~	~

FOR VAR-00

FOR VAR-00

LOCATE APPROX  
AS SHOWN  
NEAR SIDE

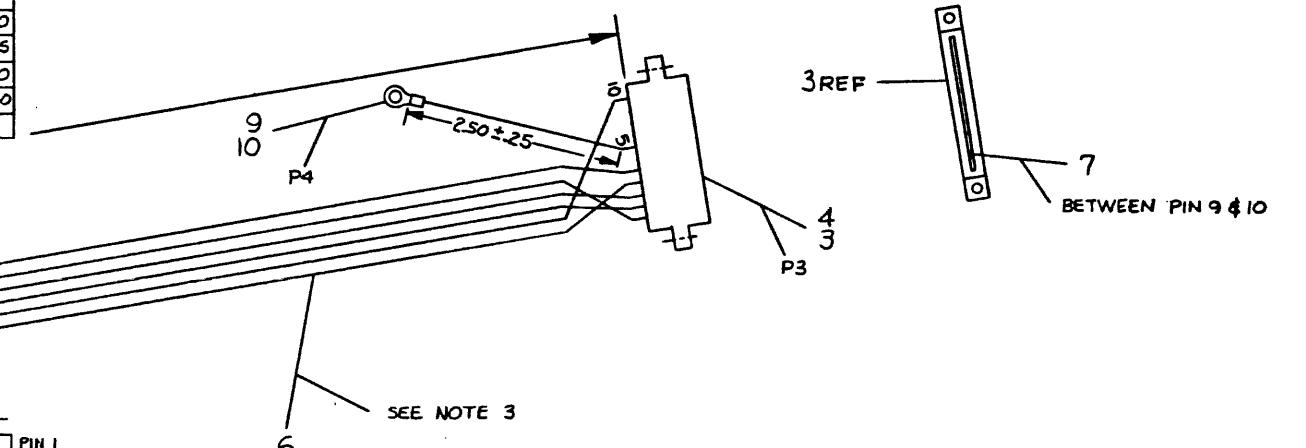


NOT TO SCALE

OVERALL CABLE LG.		
VARIATION	DIM A	DIM B
7014978-00	18.50±.50	11.50±.50
7014978-01	18.50±.50	11.50±.50
7014978-02	20.50±.50	13.50±.50

NOTES:

1. IDENTIFICATION: DECAL USING 1/8" CHARACTER HEIGHT AS INDICATED BELOW TO HIGHEST LEVEL OF SUBASSEMBLY SPECIFIED ON PURCHASE ORDER AND LOCATE APPROX. AS SHOWN ON DRAWING.
2. A.) PART NUMBER  
B.) REVISION  
C.) VENDOR IDENTIFICATION  
D.) DATE, CODE
2. ON VARIATION (-01 & -02) CUT BACK BLK WIRE FROM P2-8 TO PI-12 2.5±.25IN. FROM BOTH ENDS.
3. CUT BACK ORN & BLK WIRES OF (ITEM#G) TO 12.5±.25 IN.

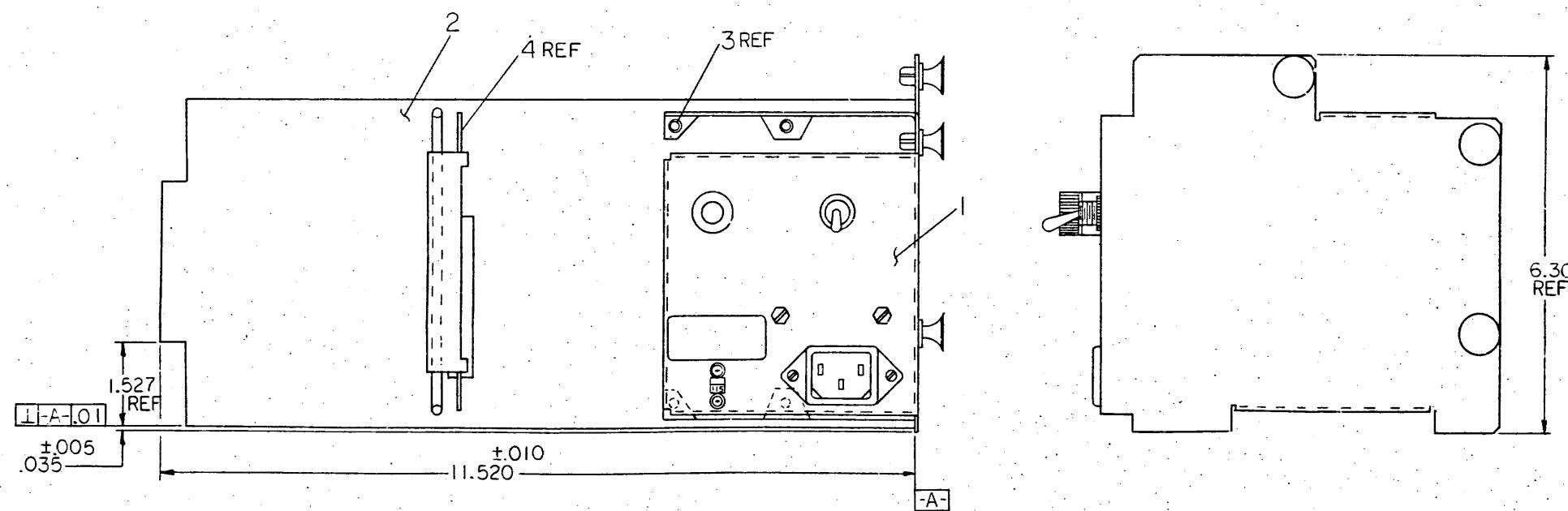
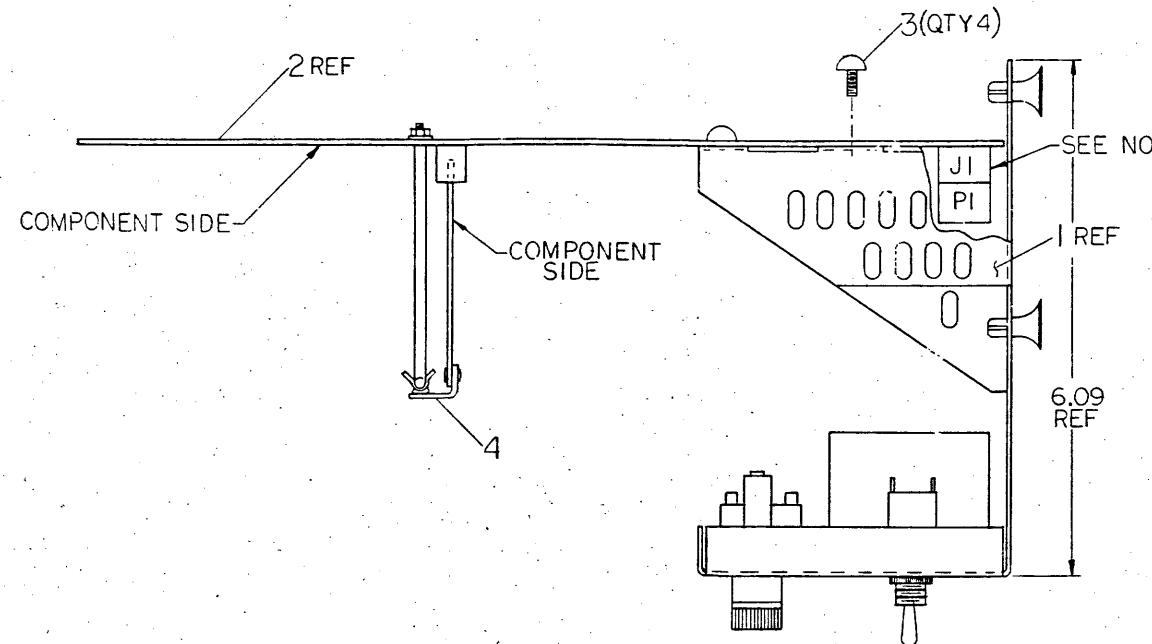


SEE NOTE 3

A/R	A <sub>R</sub>	%	CABLE, STRANDED(GRN)	91073GO-55	10
2 2	1		RING, TERMINAL	9007929-00	9
1 1	1		LABEL, IDENTIFICATION	3615300-00	0
1 1	1		PLUG, KEY	1213909-00	7
1 1	1		CABLE, 6 COND, FLAT	1700125-00	6
1 1	1		CABLE, 16 COND, FLAT	1700125-01	5
44 44	45		PIN, CRIMP	1213806-04	4
1 1	1		CONN, HOUSING (10 PIN)(P3)	1213803-00	3
1 1	1		CONN, HOUSING (18 PIN)(P2)	1213803-01	2
1 1	1		CONN, HOUSING (22 PIN)(P1)	1213803-02	1
DESCRIPTION					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES 45° 30°	CLAS. OF ACCURACY		MIN. TOLERANCE RANGE INCHES		
	CHECK ONE		0.08 0.12 0.16 0.20 0.24		
MEDIUM	0.04		0.06 0.07 0.08 0.09 0.10		
PROPOSED	2.012		2.015 2.018 2.021 2.024 2.026		
QUANTITY & VARIATION					
2	0	0	0		
0	1	0	0		
THIRD ANGLE PROJECTION					
REMOVE BURRS AND BREAK SHARP CORNERS					
DO NOT SCALE DRWG.					
MATERIAL SEE PARTS LIST					
FINISH					
TITLE					
POWER CABLE ASSY					
SHEET 1 OF 1	SIZE CODE	NUMBER	REV.		
1	IA	7014978-0-0	C		

REVISION	CHANGE NO.	REV.
1	7014978-MI-001	A
	12-1-170	
2	BITO	
3	BITO	
4	BITO	
5	BITO	
6	BITO	
7	BITO	
8	BITO	
9	BITO	
10	BITO	
11	BITO	
12	BITO	
13	BITO	
14	BITO	
15	BITO	
16	BITO	
17	BITO	
18	BITO	
19	BITO	
20	BITO	
21	BITO	
22	BITO	
23	BITO	
24	BITO	
25	BITO	
26	BITO	
27	BITO	
28	BITO	
29	BITO	
30	BITO	
31	BITO	
32	BITO	
33	BITO	
34	BITO	
35	BITO	
36	BITO	
37	BITO	
38	BITO	
39	BITO	
40	BITO	
41	BITO	
42	BITO	
43	BITO	
44	BITO	
45	BITO	
46	BITO	
47	BITO	
48	BITO	
49	BITO	
50	BITO	
51	BITO	
52	BITO	
53	BITO	
54	BITO	
55	BITO	
56	BITO	
57	BITO	
58	BITO	
59	BITO	
60	BITO	
61	BITO	
62	BITO	
63	BITO	
64	BITO	
65	BITO	
66	BITO	
67	BITO	
68	BITO	
69	BITO	
70	BITO	
71	BITO	
72	BITO	
73	BITO	
74	BITO	
75	BITO	
76	BITO	
77	BITO	
78	BITO	
79	BITO	
80	BITO	
81	BITO	
82	BITO	
83	BITO	
84	BITO	

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 CONTAINED THEREIN, WITHOUT WRITTEN PERMISSION FROM DIGITAL EQUIPMENT CORPORATION.  
COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION



NOTES:  
1. CONNECT PLUG PI FROM LINE FILTER ASSY (ITEM #1) TO PLUG J2 ON POWER SUPPLY (ITEM #2) AS SHOWN.

CAUTION OFF SHEET PARTS LIST EXIST  
REFER TO K-PL - H7835-0-DBP

		DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
ANGLES 90° 30°	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES		
SURFACE QUALITY IN	MEDIUM	OVER 0 TO .02 .02 TO .12 .12 TO .20 .20 TO .40 .40 TO .60		
	MICRONES	.004 ±.008 .012 ±.016 .025 ±.024 .04 ±.08 .08 ±.16		
QUANTITY & VARIATION				
PREFERRED				

THIRD ANGLE PROJECTION

DR. 3/8 holes 8-78 FIRST USED ON VTI03 digital

CHK'D *[Signature]* 4-5-77

ENG. *[Signature]* 6-3-77

PROJ. ENGR. *[Signature]* 1-1-77

PROD. *[Signature]* 1-1-77

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

NEXT HIGHER ASSY

MATERIAL E-U-A-VT123-0-0

SEE K-PL H7835-0-DBP

SCALE NONE

FINISH

POWER SUPPLY ASSEMBLY

SIZE	CODE	NUMBER	REV.
D	UA	H7835-0-0	B
SHEET	OF	DIST.	

DRAWINGSHEET P-1000	
CHR	REV
E	A
CHANGE NO.	
G. CHRISTIANSEN	1-1-77
C-2	
F-4 H7835-ML00218	
A. PARKER	1-1-77

DEC FORM NO. 5010-100-C

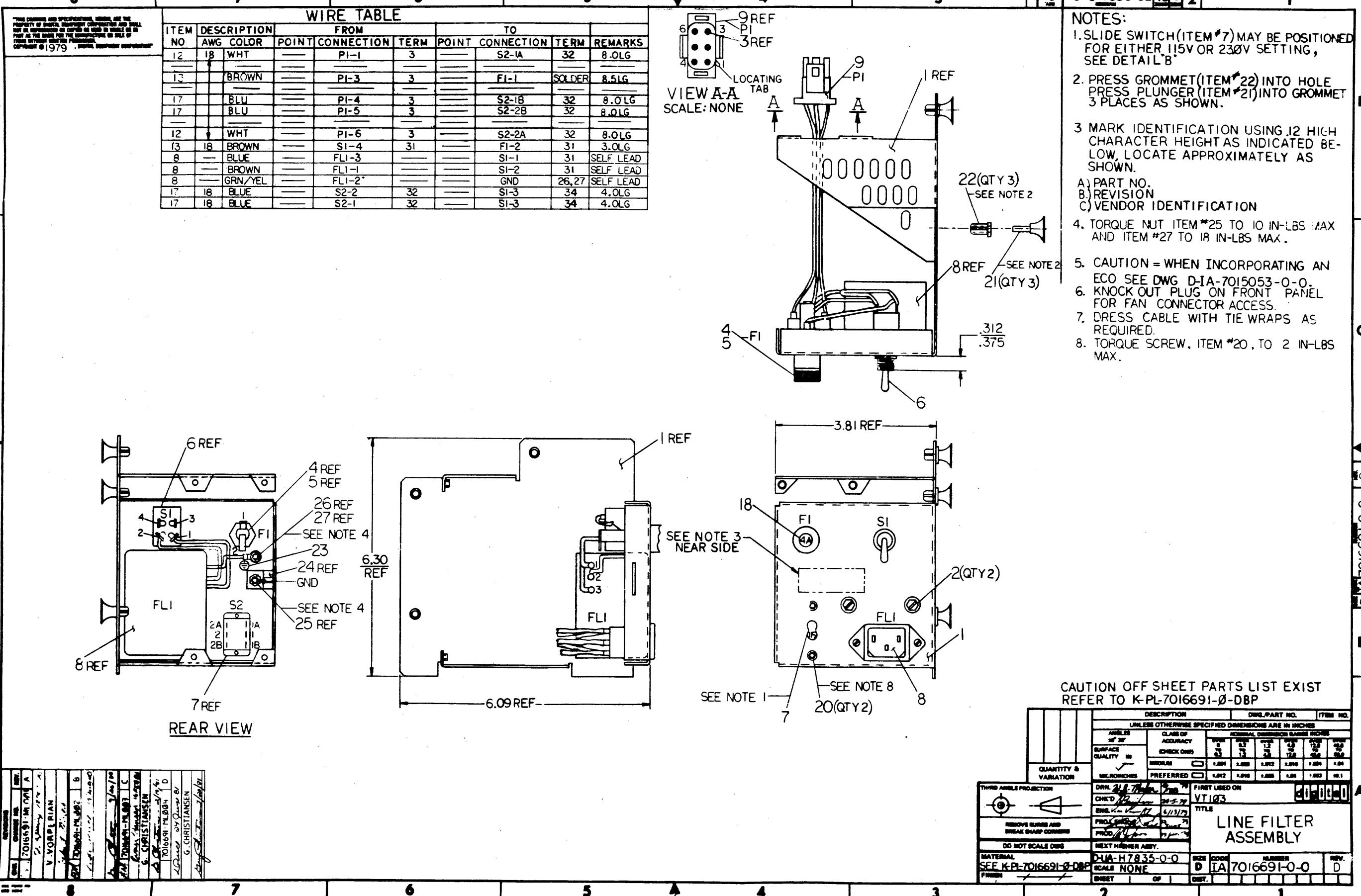
AUTOMATED BY PRTLST.3H(23)

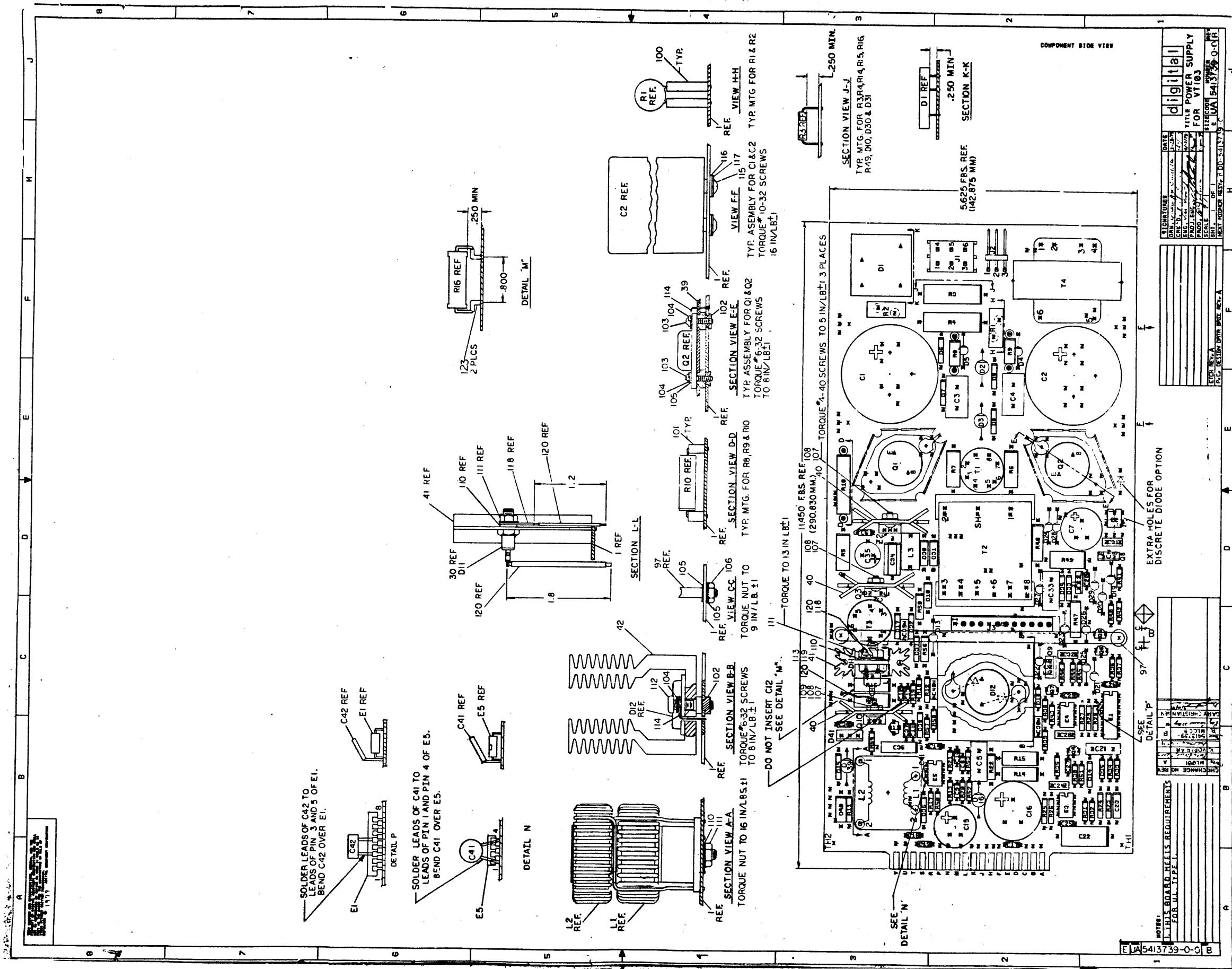
## PARTS LIST

SHEET A1 OF A1

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
1	D-IA-7016691-0-0	7016691-00	LINE FILTER ASSY	1
2	E-UA-5413739-0-0	5413739-00	POWER SUPPLY FOR VT103	1
3		9010245-00	SCREW, INTER. TORX WASH. HD. 6-32X	4
4	E-UA-5412528-0-0	5412528-00	POWER MONITOR BRD	1
5	A-SP-3700470-0-0	3700470-00	INSTR PKG POWER SUPPLY 7016692	1
6	A-SP-3700437-0-0	3700437-00	INSTR PKG. BULK CARTON 99-06476-	1
7		3613210-02	LABEL, ELECTRICAL DATA	1
8		9009255-00	LABEL, POWER SUPPLY, 2-15/16 " L	1

REVISION HISTORY		BASIC PART NO:	H7835	DRN:	W. J. MAHER	DATE:	12-FEB-79	D	I	G	I	T	A	L		
ENG!	ECO NUMBER	REV	SECTION A OF A									TITLE		PARTS LIST		
		*	SECTION. VARIATION INDEX	CHK'D:	DON. BRIGHAM	DATE:	16-MAY-79									
G.C	H7835-ML001	A	[A] 00											POWER SUPPLY ASSEMBLY		
AP	H7835-ML002	B	[B]	DES. ENG.:	V. VORPERIAN	DATE:	14-JUN-79									
			[C]	RESP. ENG.:	A. PARKER	DATE:	14-JUN-79							DOCUMENT NUMBER		
			[D]											SIZE CODE NUMBER REV		
			[E]	MFG. ENG.:	A. JOHNS	DATE:	14-JUN-79	K	PL	H7835-0-DBP				B		
			[F]	ASSEMBLY NUMBER:	D-UA-H7835-0-0-0	TOP DOCUMENT NUMBER:	#B-DD-VT103-0			FILE NAME:				EDIT #		
										Z02988.PLS				14		





AUTOMATED BY PRTLST.3H(24)

## PARTS LIST

SHEET A1 OF A4

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
				00	
1	1	D-MD-5013738-0-0	5013738-00	ETCH CIRCUIT BD	
2	2		1014265-00	.22 MFD 50V +80-20% CER	16
					CONT C6,C8,C10,C11,C13,C14,C17-C20, C25-C27,C29,C37,C38
3	3		1014170-00	2700.0 MMF 100V 1% 70PPM MICA	1
4	4		1005328-00	.33 MFD 20V 10% S.TANT	1
5	5		1000039-00	.056 MFD 200V 10% MYLR	1
6	6		1000042-00	1000.0 MMF 100V 5%200PPM MICA	3
7	7		1000009-00	33.0 MMF 100V 55200PPM MICA	1
8	8		1000016-00	100.0 MMF 100V 5%200PPM MICA	1
9	9		1000055-00	2200.0 MMF 250V 20% Y55 DISC	2
10	10		1011847-01	.01 MFD 400V 10% POLYPROP	2
11	11		1016390-00	1100 MFD 200V +50-10% AL EL	2
12	12		1016397-00	1000 MFD 40V +75-10% AL EL	1
13	13		1016397-01	2800 MFD 16V +75-10% AL EL	1
14	14		1014260-00	11,000 MFD 6.3V +75-10% AL EL	1
15	15		1014139-00	.0022 MFD 600V 10% POLYPROP	2
16	16		1005306-00	6.8MFD 35V 10% S.TANT	1
17	17		1012607-04	270 MFD 40V+100-10% AL EL	1
18	18		1002174-00	2 MFD 25V +75-10% AL EL	1
19	19		1115369-00	VM 18 PIV=100 I=1A	1
20	20		1114245-00	NBS30600LPIV=600 I=30A	1
21	21		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	8
22	22		1112595-01	A114B PIV=200 I= 1A	8
23	23		1112595-00	A114F PIV= 50 I= 1A	4
24	24		1100114-00	D 664 QS\75PCB PIV= 25V SP	2
25	25		1105873-00	4M5-1AZ1 VZ= 5.1 1% .400W	1
26	26		1112594-02	A115M PIV=600 I= 3A	2
27	27		1112595-02	A114M PIV=600 I= 1A	2
28	28		1110420-00	IN 5624 PIV=200 I= 5A	2
29	29		1115224-00	VOLT.TRANS.SUPPRESS 12.1	1

REVISION HISTORY		BASIC PART NO: 5413739		DRN:	JO ARMSTRONG	DATE: 26-FEB-79	D	I	G	I	T	A	L
ENG	ECO NUMBER	REV	SECTION A OF A					TITLE		PARTS LIST			
INITIAL	*	SECTION.VARIATION INDEX	CHK'D:	RITA BUREAU	DATE: 26-FEB-79					POWER SUPPLY FOR VT103			
VV	5413739-ML001	A	[A] 00									DOCUMENT NUMBER	
AP	5413739-ML002	B	[B]									SIZE CODE	
AP	5413739-ML004	C	[C]									NUMBER	
G.C	5413739-ML006	D	[D]									REV	
			[E]										
			[F]										
			[H]										
			[J]										
			[K]										
			[L]										
			[M]									FILE NAME:	
			[N]									EDIT #	
												Z02260.PLS	
												32	

"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	REFERENCE DESIGNATOR
30	30	1116645-02	UES 703 PIV=150V I=25A	1	D11
31	31	1115272-00	UES1303 PIV=150 I=6A	3	D30,D31,D10
32	32	1102421-00	IN 753A VZ= 6.2 5% .40W P	1	D37
33	33	1116323-00	SD 241 PIV= 45 I=30A	1	D12
34	34	1103351-00	IN 4764A VZ=100.0 5% 1W Y	2	D17,D32
35	35	1111205-00	SCREENED VZ= 5.7 2% .40W	1	D38
36	36	1212297-05	MATE-N-LOK 6PIN UNIV HEADER	1	J1
37	37	1212204-10	HEADER.156 3POS RT ANGLE	1	J2
38	38	1214257-00	EDGE CARD 12PIN STRAIGHT	1	J3
39	39	1213426-03	HEAT SINK TO-3 1" HIGH	2	
40	40	1212531-01	HEAT SINK, COMPONENT	3	
41	41	1213921-05	HEAT SINK, TAB MNT SEMI	1	
42	42	1211987-03	HEAT SINK	1	
43	43	1314270-02	2.50 15.0 % NTC THERM	2	R1,R2
44	44	1314088-00	20.0 K .5.0 W 5.0 % WW	2	R3,R4
45	45	1314350-00	1.0 2.0 W10.0 % FUSE	3	R5-R7
46	46	1314675-00	1.0 K 3.0 W 5.0 % WW	2	R8,R9
47	47	1300168-00	10.0 .50 W 5.0 % CC	1	R22
48	48	1305128-00	5.62 K .25 W 1.0 % RN55D-F10	1	R52
49	49	1309413-00	3.83 K .25 W 1.0 % RN55D-F10	1	R11
50	50	1302858-00	100.0 .25 W 1.0 % RN55D-F10	2	R12,R53
51	51	1303187-00	820.0 K .25 W 5.0 % CC	1	R31
52	52	1302715-00	*** THIS ITEM IS NOT USED ***	-	
53	53	1300365-00	1.0 K .25 W 5.0 % CC	2	R36,R39
54	54	1302466-00	100.0 K .25 W 5.0 % CC	2	R19,R21
55	55	1310876-03	.05 5.0 W 3.0 % WW	1	R16
56	56	1313014-00	.01 3.75 W 3.0 % WW	2	R14,R15
57	57	1316638-00	2.49 K .25 W .10% RN55E-B 2	1	R25
58	58	1309295-00	1.80 K .25 W .10% RN55E-B 2	1	R26
59	59	1314187-00	6.19 K .25 W 1.0 % RN55D-F10	1	R29
60	60	1300488-00	12.0 K .25 W 5.0 % CC	1	R32
61	61	1302091-00	330.0 K .25 W 5.0 % CC	1	R34
62	62	1302177-00	47.0 K .25 W 5.0 % CC	1	R33
63	63	1302388-00	2.0 K .25 W 5.0 % CC	1	R38
64	64	1301317-00	10.0 .25 W 5.0 % CC	4	R37,R45,R41,R50
65	65	1300271-00	220.0 .25 W 5.0 % CC	2	R40,R44
66	66	1300496-00	15.0 K .25 W 5.0 % CC	1	R43
67	67	1300417-00	2.20 K .25 W 5.0 % CC	1	R30
68	68	1300219-00	68.0 .25 W 5.0 % CC	2	R42,R46
69	69	1316394-00	270.0 3.0 W 5.0 % WW10	2	R47,R48
70	70	1314239-00	33.0 3.0 W 5.0 % WW	1	R49
71	71	1300426-00	2.70 K .25 W 5.0 % CC	1	R35
72	72	1309094-00	100.0 5.0 W 5.0 % WW	1	R10
73	73	1301695-00	47.0 .50 W 5.0 % CC	2	R56,R59
74	74	1309023-00	2.70 K 1.0 W10.0 % CC	1	R55
75	75	1300295-00	330.0 .25 W 5.0 % CC	1	R51
76	76	1305432-00	5.11 K .25 W .10% RN55E-B 2	3	R23,R24,R28
77	77	1300316-00	470.0 .25 W 5.0 % CC	1	R54

D	I	G	I	T	A	L	TITLE	POWER SUPPLY FOR VT103	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413739-0-DBP	D

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
78	78	1300202-00	47.0 .25 W 5.0 % CC	1	R57
79	79	1512782-00	NPN 100W S1325 15	2	Q1,Q2
80	80	1516440-00	MJE15030 NPN 50WC SI150 40	1	Q3
81	81	1510706-00	XA 55 PNP 500MW SI 60 50 P	2	Q4,Q6
82	82	1510705-00	XA 05 NPN 500MW SI 60 50 P	2	Q5,Q7
83	83	1514271-00	D 44Q1 NPN 4WC SI125 20	3	Q8-Q10
84	84	1510877-00	2N 6028 UJT 300MW R67B	1	Q11
85	85	1505867-00	2N 4441 SCRQ 50V & 8A	1	D41
86	86	1616487-00	500 UH 10% .6A	1	L3
87	87	1615253-00	XFMR P=AB S=25V	1	T4
88	88	1614273-00	PULSE XFMR, TRI-WOUND	1	T3
89	89	1614272-00	PULSE XFMR, 4 WOUND	1	T1
90	90	1616486-00	XFMR P=200-375 S=VARIABLE	1	T2
91	91	1614261-00	24.0 UH-80UH DUAL INDUCTOR	1	L1,L2
92	92	1912048-02	DEC 7812 VOLT REG. FIX +12V	2	Z1,Z2
93	93	1914156-00	LM 393 VOLT. COMPARATOR DUAL	1	E5
94	94	1911944-00	555CN TIMER, FUNCT. BLOCK	1	E4
95	95	1910282-00	301AN OP AMP	1	E3
96	96	1914250-00	3524 MODULATOR-REGULATING	1	E1
97	97	7422625-00	SUPPORT,CARD	1	
98	98	1309422-00	5.10 .25 W 5.0 % CC	1	R58
99	99	1001610-01	.01 MFD50/100V +80-20% DISC	2	C40,C41
100	100	9009798-00	SPACER, CERAMIC, .186 ODX.078 ID	4	
101	101	9009798-01	SPACER, CERAMIC, .186 ODX.078 ID	6	
102	102	1214789-00	INSERT, THREADED 6-32 ,BRASS,ELEC	6	
103	103	9006024-01	SCREW,PAN,PHIL 6-32X 1/2 SS	4	
104	104	9007801-00	WASHER, LÖCK, S.S. #6	6	
105	105	9006656-00	WASHER, FLAT, .312 O.D. X .156 I	6	
106	106	9008185-00	NUT, KEP , 6-32X1/4 AF	2	
107	107	9006557-00	NUT, KEP 4-40X 1/4 AF	3	
108	108	9006010-01	SCREW,PAN,PHIL 4-40X 5/16 SS	3	
109	109	9009769-00	WASHER, RECTANGULAR .405X.225X.0	1	
110	110	9006664-00	WASHER, FLAT, .437 OD X .218 ID	2	
111	111	9006565-00	NUT, KEP 10-32X 3/8 AF	2	
112	112	9006025-01	SCREW,PAN,PHIL 6-32X 5/8 SS	2	
113	113	9009236-00	SCREW,TAPPING,TYPE F,PAN ,PHIL,	2	
114	114	9009676-00	TERM LUG 1POS SOLDER	4	
115	115	9000038-13	SCREW,PAN,PHIL 10-32X 5/16 BR/T	4	
116	116	9009950-01	WASHER,FLAT BR/TIN .203IDX .4380	4	
117	117	9007906-00	WASHER, LOCK S.S. #10	4	
118	118	9009909-00	TERM LUG 1POS SOLDER,FLAT .19	1	
119	119	9008172-00	WASHER, FLAT,SS .250 OD X .125 I	2	
120	120	9107360-88	WIRE,STRND,18AWG,IPVC ULI429	A/R	
121	121	1313476-00	51.10 K .25 W 1.0 % RN55D-F10	2	R17,R13
122	122	1300229-00	100.0 .25 W 5.0 % CC	2	R18,R20
123	123	9107295-11	TUBING,THIN WALL,.066ID UL	A/R	
124	124	1317231-00	4.99 K .25 W .10% RN55E-B	2	R27

D	I	G	I	T	A	L	TITLE	POWER SUPPLY FOR VT103	SECTION A OF A	SIZE CODE	DOCUMENT NUMBER	REV
									K	PL	5413739-0-DBP	D

AUTOMATED BY PRTLST.3H(24)

LINE ITEM DOCUMENT NUMBER

P A R T S   L I S T

PART NUMBER

DESCRIPTION

QTY PER VARIATION

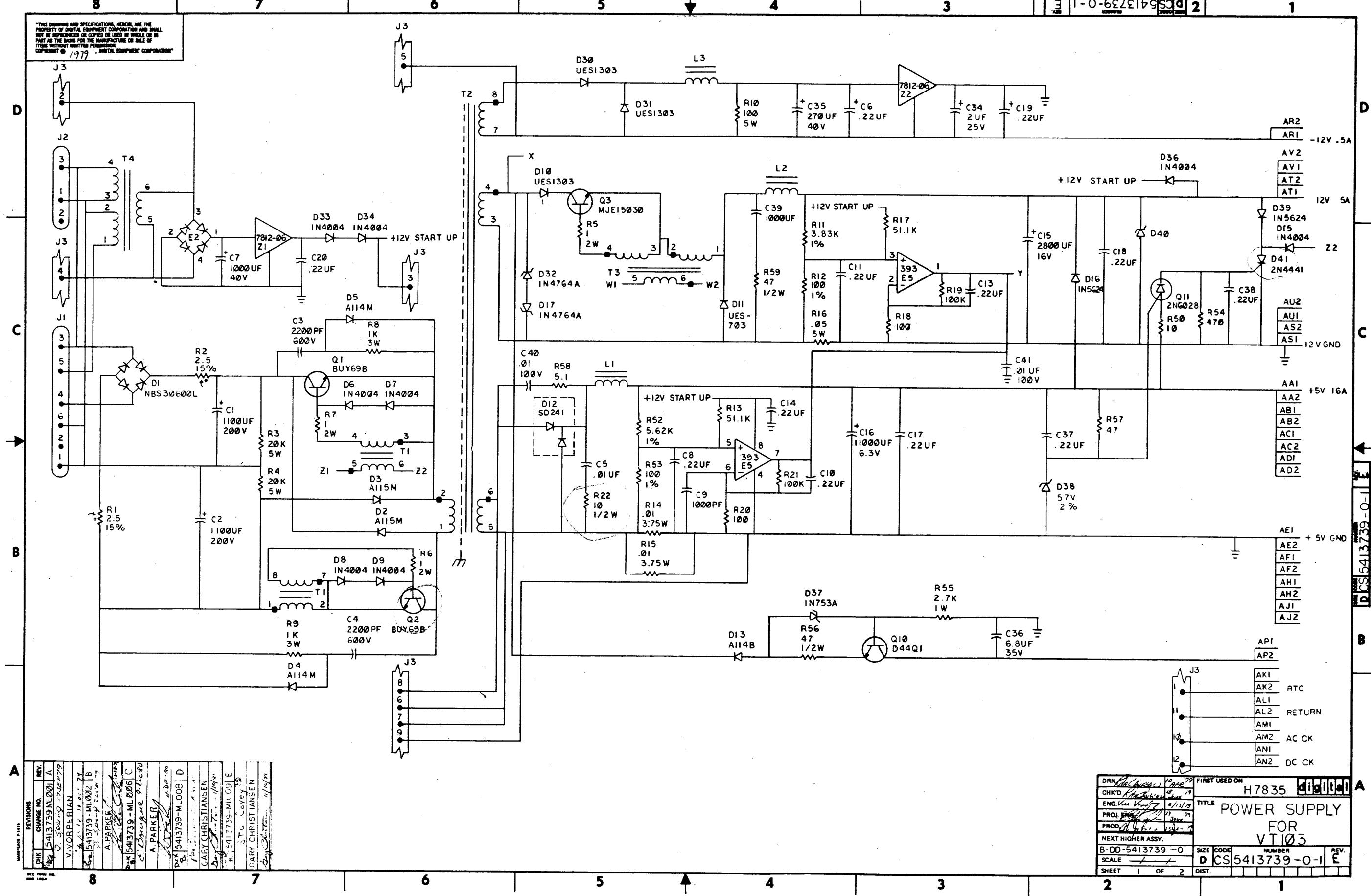
00

SHEET A4 OF A4

REFERENCE DESIGNATOR

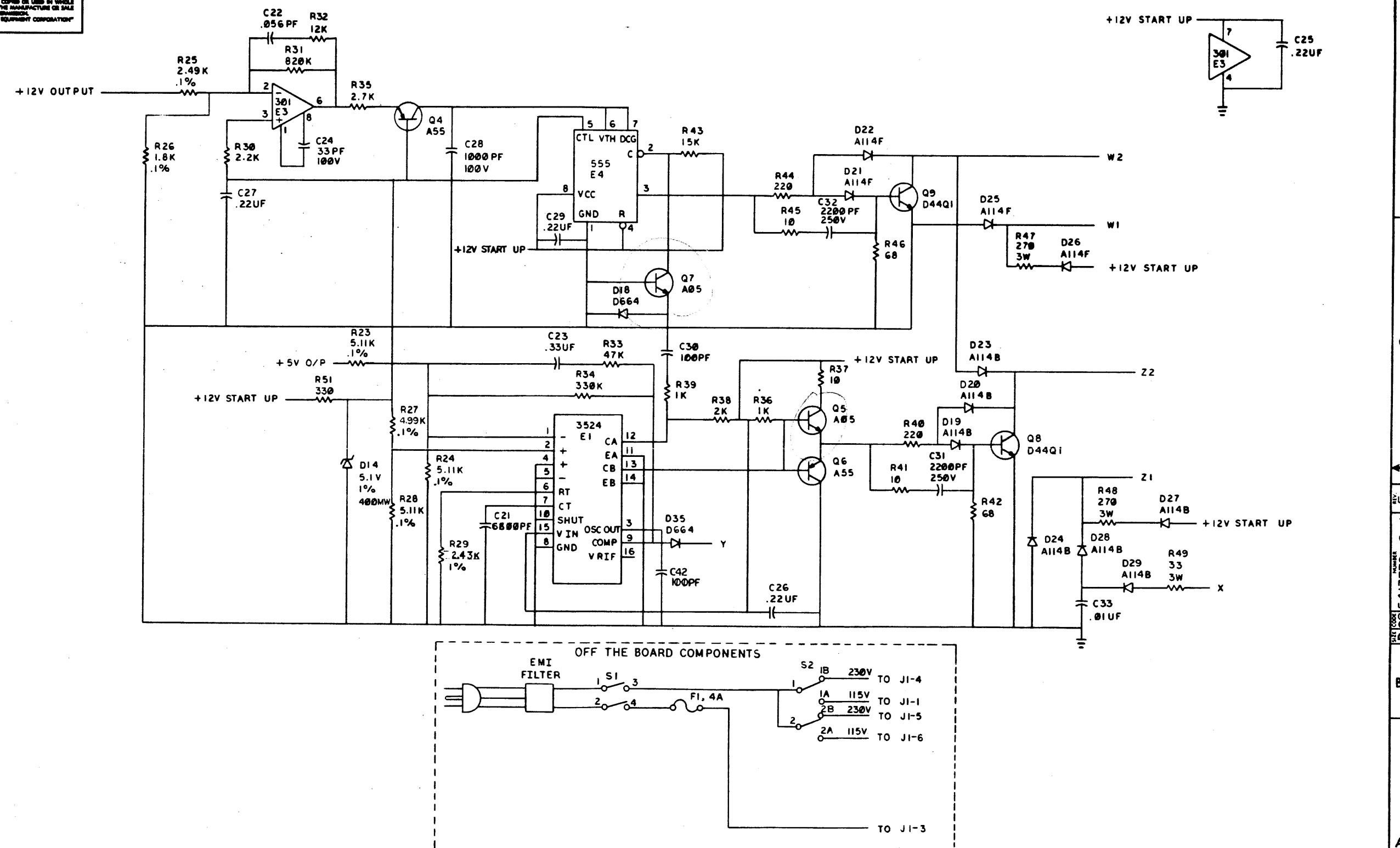
125 NOTE: IF PART NO. 1514271-00 IS NOT AVAILABLE, USE PART NO. 1514271-01

D I G I T A L						TITLE	SECTION A OF A			SIZE	CODE	DOCUMENT NUMBER	REV
POWER SUPPLY FOR VT103									K	PL	5413739-0-DBP	D	



**\*THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE  
PROPERTY OF DIGITAL EQUIPMENT CORPORATION.  
THESE DRAWINGS AND SPECIFICATIONS MAY NOT  
BE REPRODUCED OR COPIED OR USED IN WHOLE  
OR IN PART AS THE BASIS FOR THE MANUFACTURE  
OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.**

2 DCG513739-0-1 E 3 4 5 6 7



REVISIONS		
CHG	CHANGE NO.	RE

DEC FORM NO. 8  
ED-100

					TITLE	POWER SUPPLY FOR VT103	SIZE CODE	NUMBER	REV.
					SCALE	— — —	SHEET 2 OF 2	DIST.	

THIS DRAWING AND SPECIFICATIONS, HERINB, 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

**COMPONENT SIDE VIEW**

1

|G| 2 |

41252

1

3

1

4

中

5

1

1

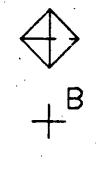
— 1 —

— 1 —

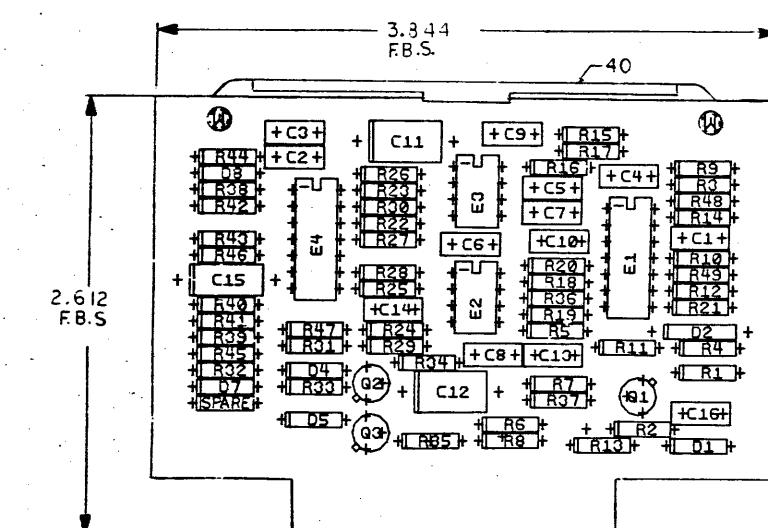
8

100

— 1 —



B



**NOTES:**

CHG CHANGE NO REV					
CL	MICROZ	C			
	POWERS				
	CALDERAN				
	RECALLS				

VUTSRPNMLKJHFEBCI

V U T S R P N M L K J H F E D I

A V U T S R P N M L K J H F E D G

V U T S R P N M L K J H E F E R G B

SIGNATURES DRN.D. POWERS	DATE 4-20-79	digital			
CHK'D. <i>[Signature]</i>					
ENG. <i>[Signature]</i>	5-2-79	TITLE H 786			
PROJ. ENG. <i>[Signature]</i>	5-2-79	POWER MONITOR			
PROD. <i>[Signature]</i>	5-2-79	SIZE	CODE	NUMBER	REV.
SCALE 2/1		D	UA	5412528-C-3	C
SHT. 1 OF 3					
PRINTED BY DRAFTING DEPT. C, DD, 5-12-78, 2000					

8

7

6

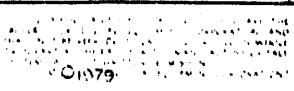
5

4

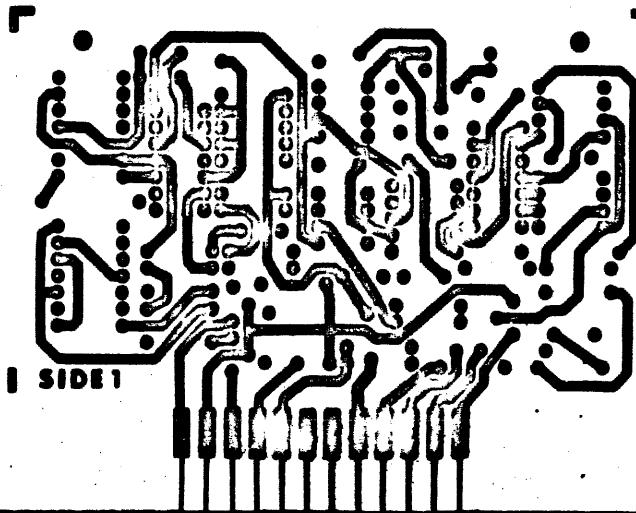
3

2

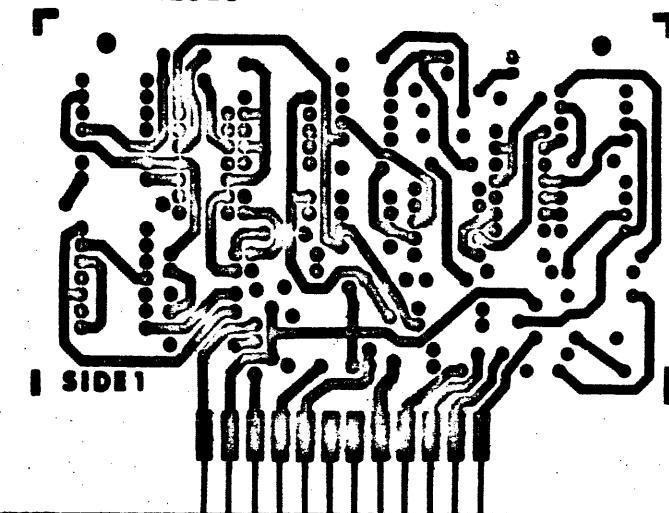
1



5012527C-P2  
5412528



5012527C-P2  
5412528



REVISIONS	
ITEM	CHANGES

TITLE DRILL & ETCH DRAWING  
SCALE 2:1 SHEET 2 OF 3 DUA 5412528-0-0 C  
SHEET NUMBER REV.

8

7

6

5

4

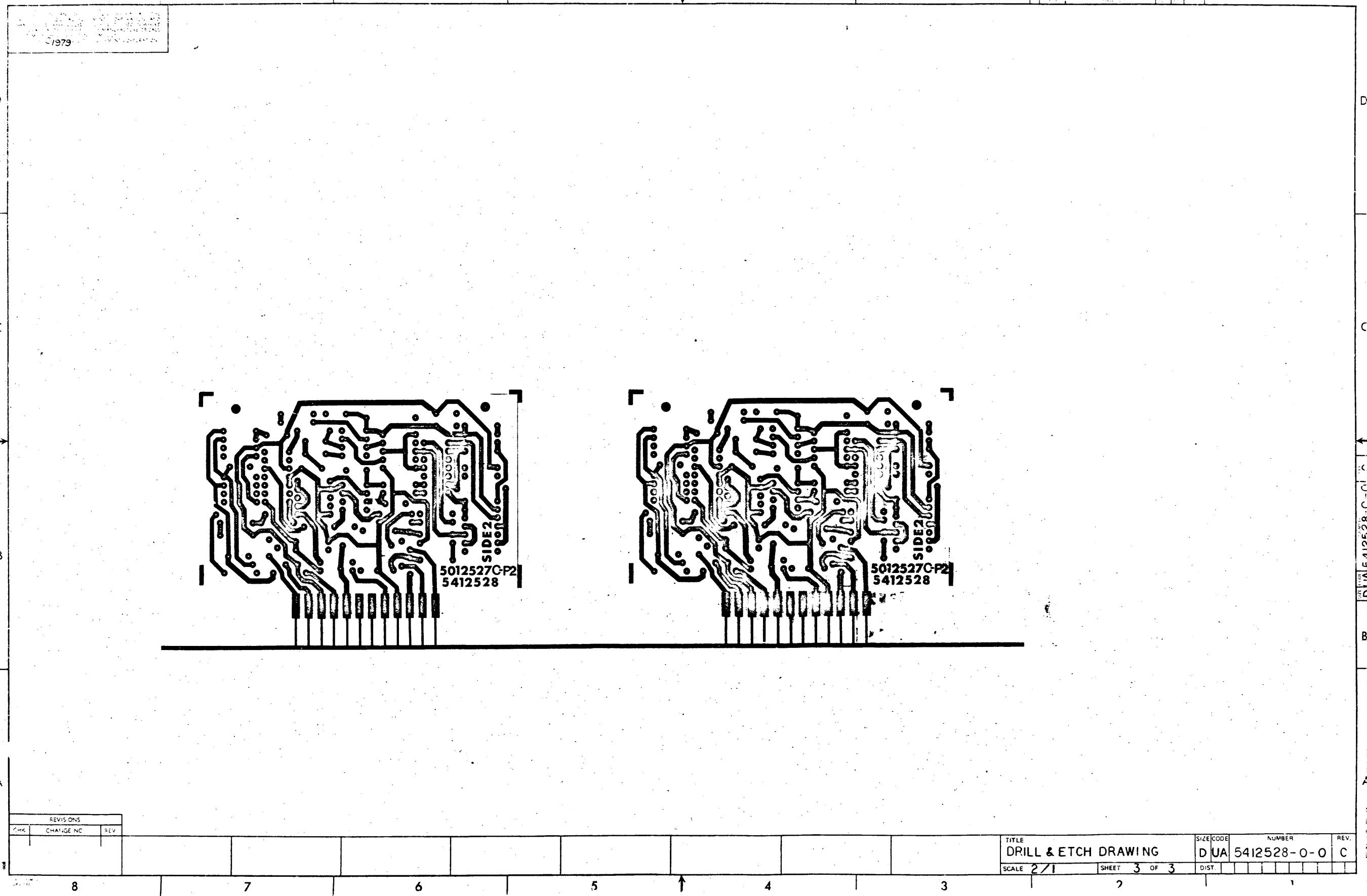
3

2

1

A

8



AUTOMATED BY PRTLST.3J(25)

## PARTS LIST

SHEET A1 OF A2

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	1	D-MD-5012527-0-0	5012527-00	5412528	
2	2		1010274-00	.22 MFD 50V +80-20% Z5U CER	1
3	3		1000016-00	100.0 MMF 100V 5%200PPM MICA	8
4	4		1001610-00	.01 MFD 50V +80-20% 25U CER	1
5	5		1010031-03	.22 MFD 50V 10% M. POLYCARB	2
6	6		1005116-00	3300.0 MMF 200V 10% MET. MYLR	2
7	7		1100125-00	1N 758A VZ= 10.0 5% .40W PPE	1
8	8		1105873-00	4M5-1AZ1 VZ= 5.1 1% .400W	1
9	9		1100114-00	D 664 QS\75PCB PIV= 25V SP	4
10	10		1301322-00	.25 W 5.0 % CC	1
11	11		1301808-00	.25 W 5.0 % CC	4
12	12		1300247-00	.25 W 5.0 % CC	1
13	13		1313476-00	.25 W 1.0 % RN55D-F10	1
14	14		1311320-00	.25 W 1.0 % RN55D-F10	1
15	15		1309289-00	.25 W .10% RN55E-B 2	1
16	16		1300479-00	10.0 K .25 W 5.0 % CC	10
17	17		1305421-00	.25 W 1.0 % RN55D-F10	2
18	18		1300539-00	.25 W 5.0 % CC	1
19	19		1305130-00	.25 W 1.0 % RN55D-F10	1
20	20		1309595-00	.25 W 5.0 % CC	6
21	21		1300447-00	.25 W 5.0 % CC	2
22	22		1301775-00	.25 W 5.0 % CC	1
23	23		1313167-00	.25 W 1.0 % RN55C-F 5	1
24	24		1302395-00	.25 W 5.0 % CC	6
25	25		1309680-00	.25 W 5.0 % CC	1
26	26		1302466-00	.25 W 5.0 % CC	3
27	27		1300398-00	.25 W 5.0 % CC	1
28	28		1510705-00	XA 05 NPN 500MW SI 60 50 P	1
29	29		1511686-00	DEC5433 FET N 350MW 10 25 1A	2
CONT					
R49,R35					
R11,R12					
R14					
R8					
R15,R18,R30,R37,R36,R44					
R16,R19					
R21					
R25					
R26,R27,R28,R29,R40,R41					
R39					
R31,R46,R47					
R48					
Q1					
Q2,Q3					

## REVISION HISTORY

		!BASIC PART NO: 5412528			
ENG:	ECO NUMBER	REV	SECTION A OF A	DRN:	R.KOPPENALL DATE: 07-MAR-79 D I G I T A L
---	5412528-ML002	C	SECTION VARIATION INDEX	CHK'D:	K.GLEEZEN DATE: 07-MAR-79 TITLE PARTS LIST
			[A] 00		POWER MONITOR BOARD
			[B]		
			[C]	DES.ENG:	JIM GREGORICH DATE: 07-MAR-79 DOCUMENT NUMBER
			[D]		
			[E]		
			[F]	RESP.ENG.:	JIM GREGORICH DATE: 07-MAR-79 SIZE CODE NUMBER REV
			[H]		
			[J]		
			[K]	MFG.ENG.:	R.HAMILTON DATE: 07-MAR-79 K PL 5412528-0-DBP C
			[L]		
			[M]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER: FILE NAME: EDIT #
			[N]	D-UA-5412528-0-0	Z0411C.PLS 3
"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.3J(25)

## PARTS LIST

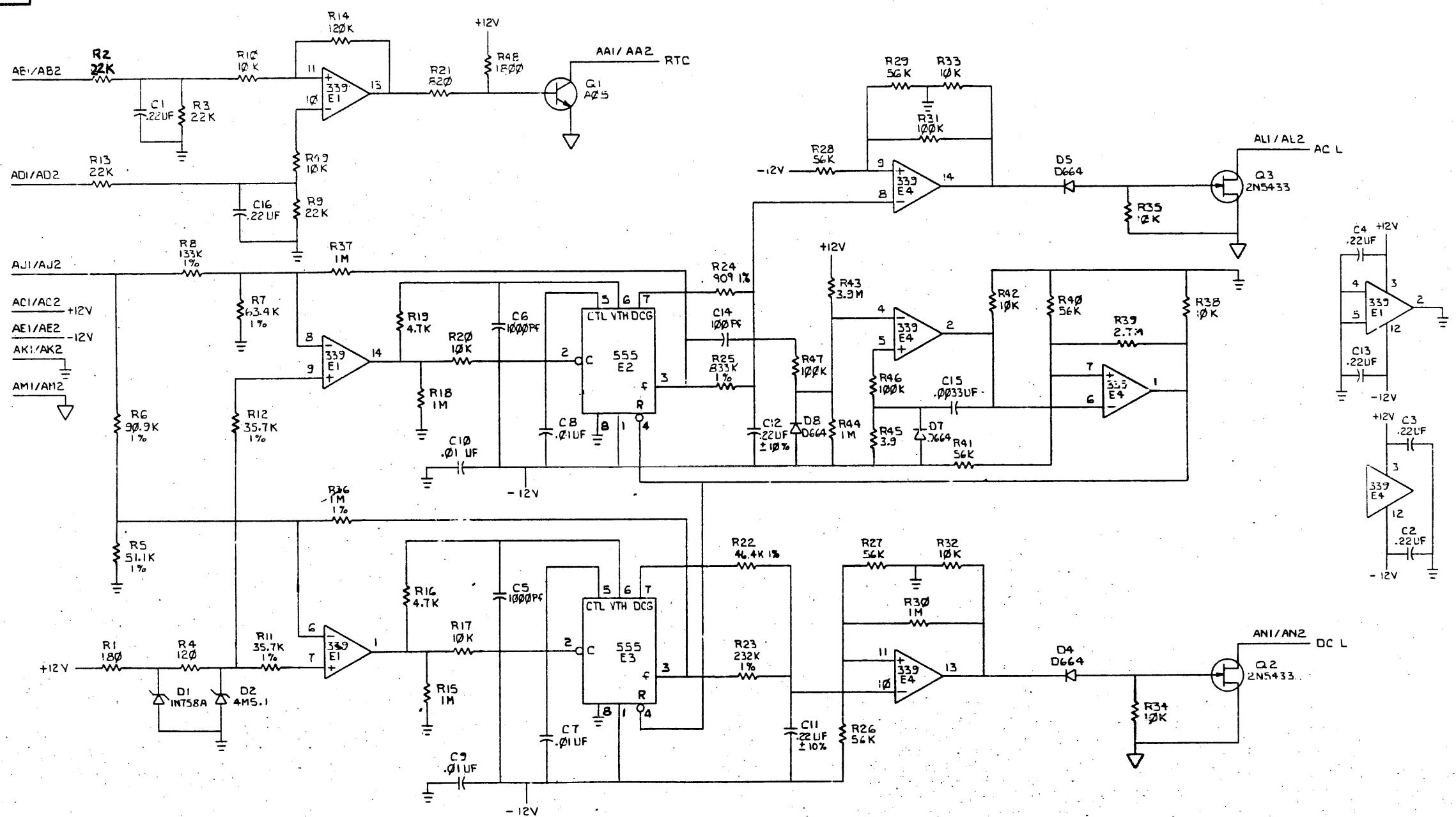
SHEET A2 OF A2

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
30	30	1912108-00	339 VOLT CMPRTR, QUAD	00	
31	31	1911944-00	555CN TIMER, FUNCT. BLOCK	2	E1, E4
32	32	1305424-00	232.0 K .25 W 1.0 % RN55D-F10	2	E2, E3
33	33	1314387-00	3.90 M .25 W 5.0 % CC	2	R23
34	34	1000042-00	1000.0 MMF 100V 5%200PPM MICA	2	R43, R45
35	35	7418695-00	*** THIS ITEM IS NOT USED ***	-	C5, C6
36	36	9009000-00	*** THIS ITEM IS NOT USED ***	-	
37	37	9105740-55	*** THIS ITEM IS NOT USED ***	-	
38	38	1303311-00	46.40 K .25 W 1.0 % RN55D-F10	1	R22
39	39	1302685-00	909.0 .25 W 1.0 % RN55D-F10	1	R24
40	40	1215993-00	RETAINER, CARD	1	

D	I	G	I	T	A	L	TITLE	POWER MONITOR BOARD	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							K PL 5412528-0-DBP C						

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

8 7 6 5 4 3 2 1



REVISIONS		CHARGE NO.	REV.
1	1	5412528-00001	B
2	2	5412528-00001	B
3	3	5412528-00001	C
4	4	5412528-00001	C
5	5	5412528-00001	C
6	6	5412528-00001	C
7	7	5412528-00001	C
8	8	5412528-00001	C

Drawn by	4-6-77	First Used On	H786
Checked by	3/3/77		digital
Eng. Sup.	3/3/77	Title	
Proj. Eng.	3/3/77		
Proj. Mgr.	3/3/77		
Next Higher Assy.			
D-1A-5412528-0-0		Size	CODE
Scale		NUMBER	5412528-0-1
Sheet	1	OF	1
		DIST.	C

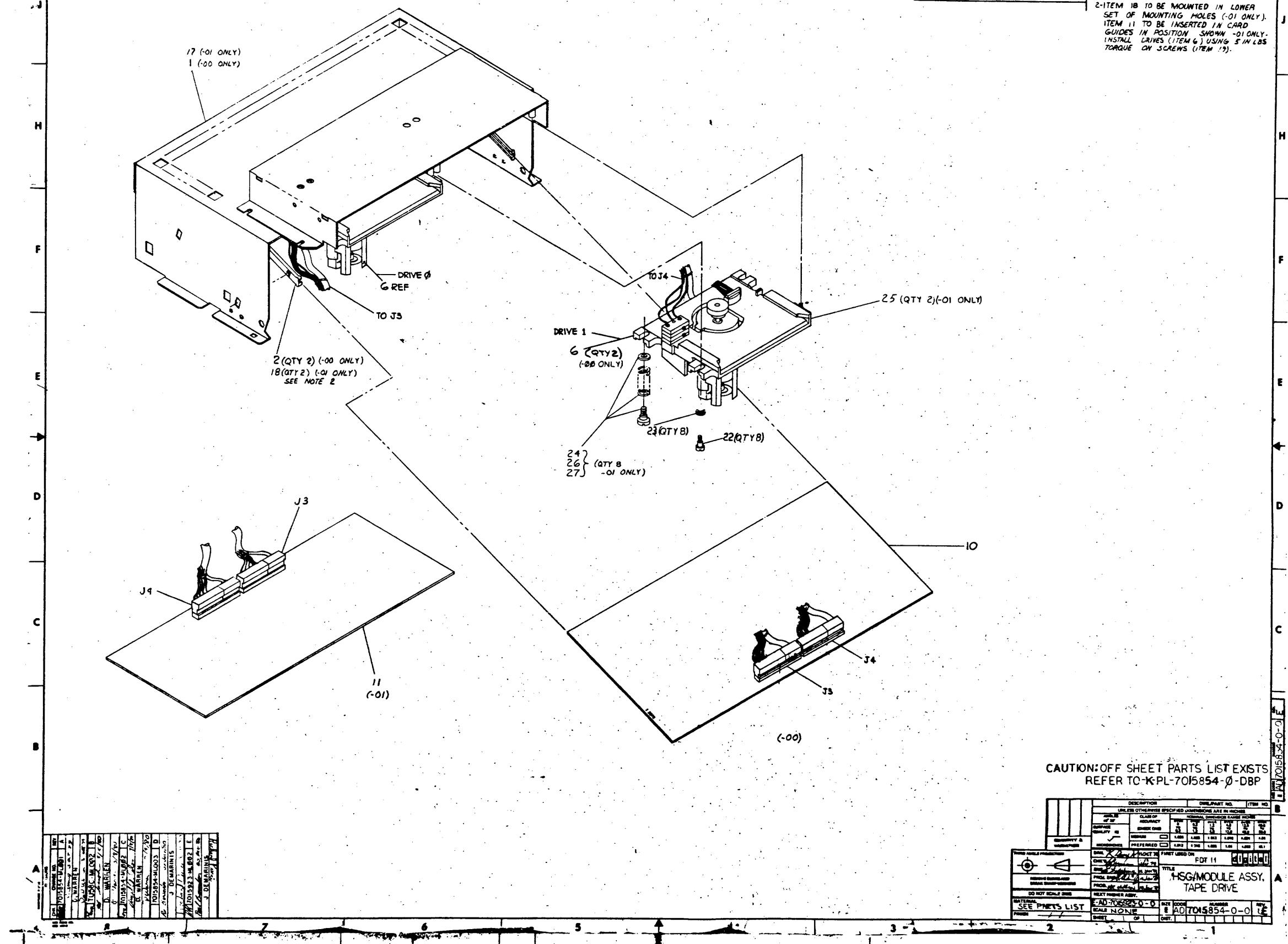
POWER MONITOR  
BOARD

WIRE TABLE	
FROM	TO
DRIVE 0	J3 (BD)
DRIVE 1	J4 (BD)

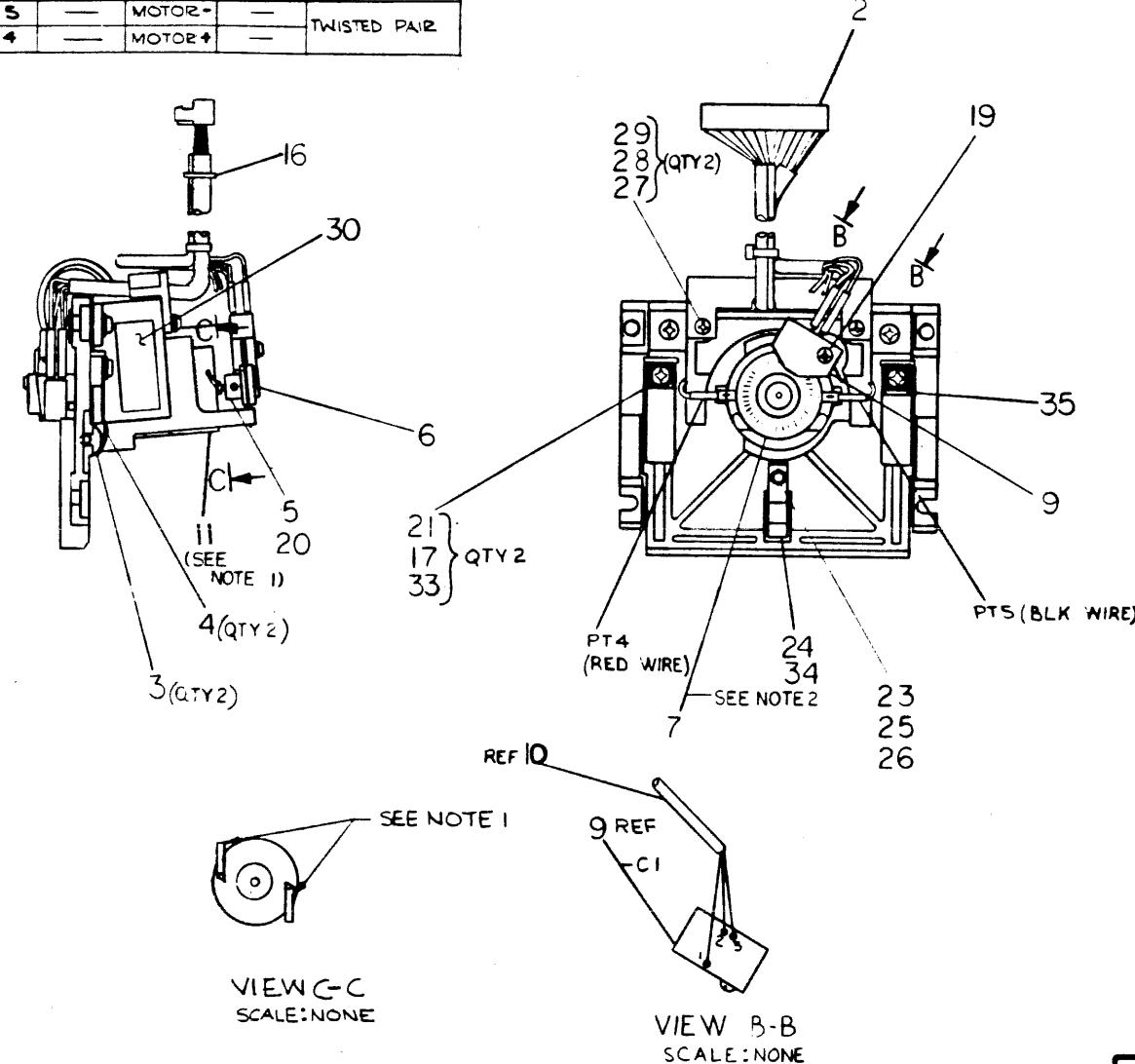
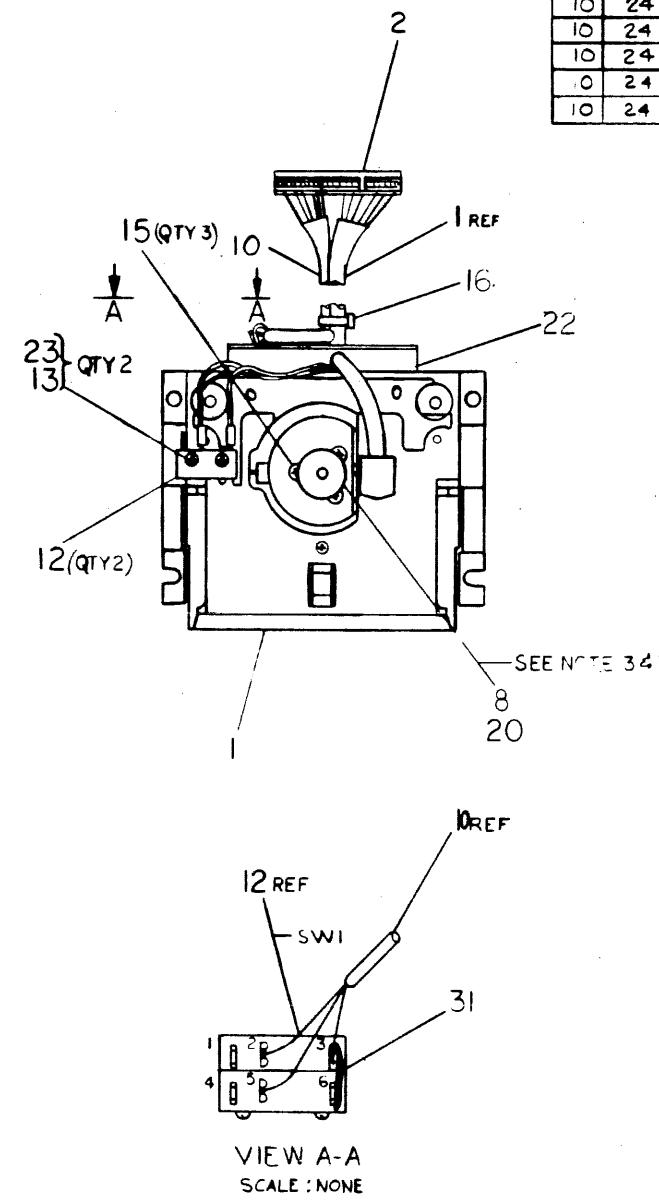
**LEGEND**

**NOTES:**  
**I-DELETED**

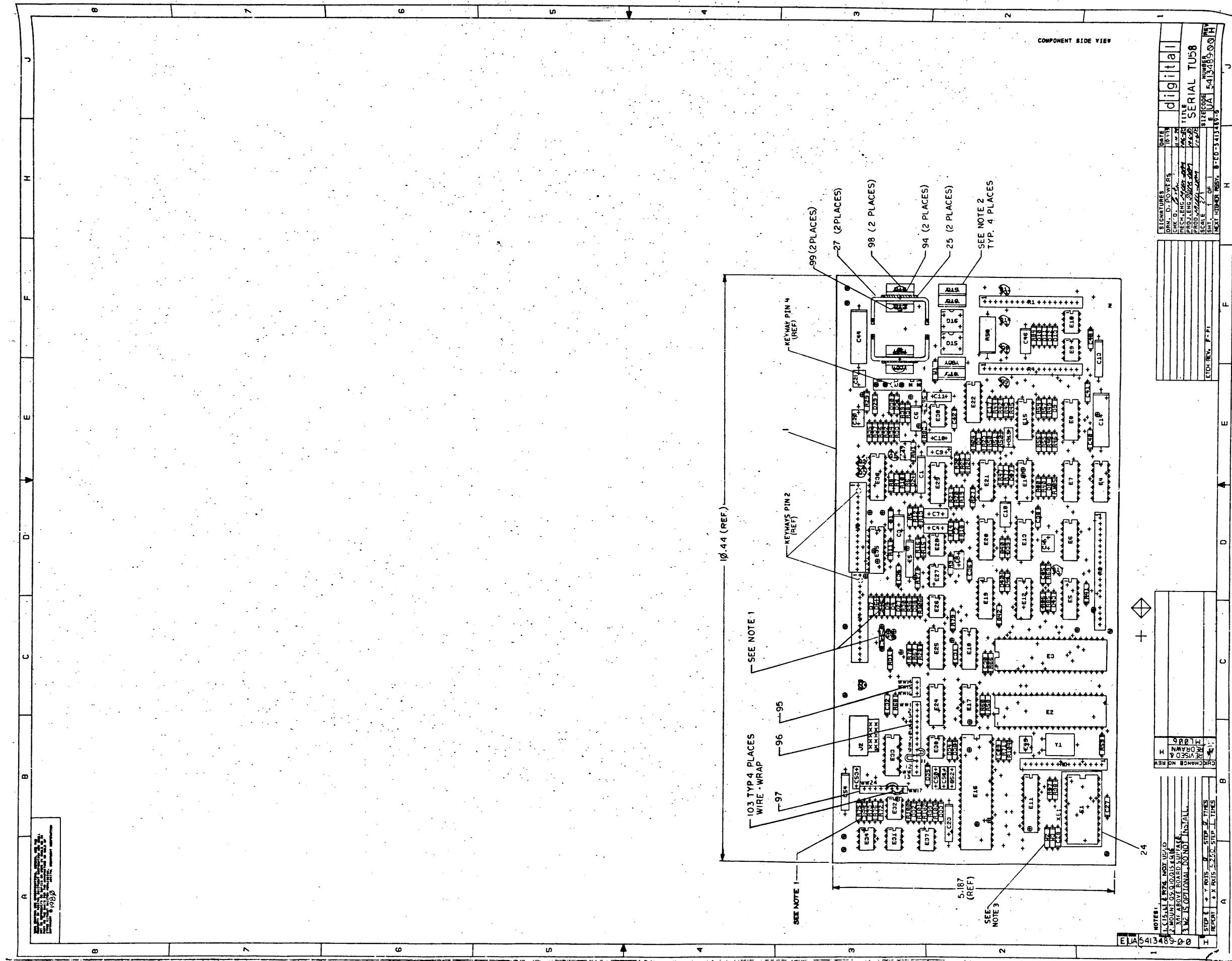
**2-ITEM 1B TO BE MOUNTED IN LOWER  
SET OF MOUNTING HOLES (-01 ONLY).  
ITEM 11 TO BE INSERTED IN CARD  
GUIDES IN POSITION SHOWN -01 ONLY.  
INSTALL DRIVES (ITEM 6) USING 5 IN LBS  
TORQUE ON SCREWS (ITEM 19).**



WIRE TABLE							
ITEM NO	DESCRIPTION		FROM		TO		REMARKS
	AWG	COLOR	CONN	WITH	CONN	WITH	
10 24	VEL	PT-2	—	SWI-5	—	—	
10 24	GRY	PT-1	—	SWI-2	—	—	
10 24	VIO	PT-3	—	SWI-3	—	—	
31 22	—	SW-6	SOLD	SWI-3	SOLD.	BUS WIRE	
10 24	GRN	PT-6	—	C1-3	—	—	
10 24	BRN	PT-8	—	C1-2	—	—	
10 24	BLU	PT-7	—	C1-1	—	—	
0 24	BLK	PT-5	—	MOTOR-	—	—	
10 24	RED	PT-4	—	MOTOR+	—	—	TWISTED PAIR



CAUTION: OFF SHEET PARTS  
LIST K-PL-7015510-0-DBP



## PARTS LIST

SHEET A1 OF A3

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR	
				00	00		
1	1	5013488-00	TU58 ELECTRONIC SERIAL	1			
2	2	1215816-00	HEADER, 100 15POS STRAIGHT	2		J3,J4	
3	3	1000021-00	220.0 MMF 100V 5%200PPM MICA	1		C10	
4	4	1000023-00	*** THIS ITEM IS NOT USED ***	-			
5	5	1010978-36	.1 MFD 50V 10% CER	3		C8,C16,C47	
6	6	1000042-00	1000.0 MMF 100V 5%200PPM MICA	2		C9,C7	
7	7	1001610-00	.01 MFD 50V +80-20% 25U CER	17		C2,C17,C27-C33,C35,C36,C38,C40, C41,C42,C43,C45	
8	8	1001776-00	1 MFD 35V 10% S.TANT	2		CONT C6,C46	
9	9	1002315-00	2000.0 MMF 500V 5%200PPM MICA	1		C12	
10	10	1013466-21	3.3 MMF 50V-.5PF CER	1		C4	
11	11	1002431-00	2.2MFD 35V 10% S.TANT	2		C1,C3	
12	12	1005306-00	6.8MFD 35V 10% S.TANT	4		C5,C13,C23,C54	
13	13	1005334-00	*** THIS ITEM IS NOT USED ***	-			
14	14	1005820-00	22.0 MMF 100V 5%200PPM MICA	1		C11	
15	15	1010978-40	.22 MFD 50V 10% CER	1		C19	
16	16	1011895-00	.15 MFD 35V 10% S.TANT	1		C18	
17	17	1012312-00	*** THIS ITEM IS NOT USED ***	-			
18	18	1100101-00	*** THIS ITEM IS NOT USED ***	-			
19	19	1102808-00	1N 752A VZ= 5.6 5% .40W	1		D27	
20	20	1105275-00	D 672 TR= 15NS FIV= 60V SI	25		D1-D13,D31,D33-D43	
21	21	1110324-00	LED 1MC10@10MA PIV=3	1		D28	
22	22	1115369-00	VM 18 PIV=100 I=1A	2		D15,D16	
23	23	1213506-04	HEADER 10POS RT ANGLE W/3 SI	1		J2	
24	24	1212385-04	SOCKET 24PIN IC	1		XE1	
25	25	USED FOR Q7 & Q12	1213071-06	INSULATOR,RUBBER SILICONE	2		
26	26		1213113-01	*** THIS ITEM IS NOT USED ***	-		
27	27		1213418-01	HEAT SINK,VERTICLE MNT,ALUMINUM	2		
28	28		1300247-00	120.0 .25 W 5.0 % CC	1	R75	
29	29		1300274-00	*** THIS ITEM IS NOT USED ***	-		

REVISION HISTORY		BASIC PART NO: 5413489		DRN:	DAN MUTNANSKY	DATE: 22-MAY-78	D	I	G	I	T	A	L
ENG!	ECO NUMBER	REV.	SECTION A OF A				TITLE		PARTS LIST				
INIT	C		SECTION, VARIATION INDEX	CHK'D:	P. BOSSMAN	DATE: 6-JUNE-78							
IPB	5413489-ML001	D	[CA] 00						SERIAL TU58				
ML	5413489-ML003	E	[CB]										
ML	5413489-ML004	F	[CC]	DES.ENG:	MIKE LEIS	DATE: 22-MAY-78							
D.M	5413489-ML006	H	[CD]						DOCUMENT NUMBER				
			[EE]										
			[CF]	RESP.ENG.:	M. LEIS	DATE: 6-JUNE-78							
			[CH]						SIZE	CODE	NUMBER		REV
			[CJ]										
			[EK]	MFG.ENG.:	P. BARTON	DATE: 6-JUNE-78	K	PL	5413489-0-DBP		H		
			[CL]										
			[EM]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:			FILE NAME:		EDIT #		
			[EN]	E-UA-5413489-0-0		TU58			Z0582H.PLS		38		

\*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) 1980, DIGITAL EQUIPMENT CORPORATION \*

AUTOMATED BY PRTLST.2D(16)

## PARTS LIST

SHEET A2 OF A3

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
30	30	1300316-00	470.0 .25 W 5.0 % CC	5	R5,R55,R100,R78,R84
31	31	1300365-00	1.0 K .25 W 5.0 % CC	2	R10,R18
32	32	1300295-00	*** THIS ITEM IS NOT USED ***	-	
33	33	1300447-00	4.70 K .25 W 5.0 % CC	8	R11,R19,R20,R25,R54,R79,R76,R105
34	34	1300479-00	10.0 K .25 W 5.0 % CC	21	R9,R22,R24,R26,R44,R46,R50,R58, R59,R66,R67,R68,R80,R33,R36,R96, R86,R73,R97-R99
35	35	1301322-00	180.0 .25 W 5.0 % CC	1	CONT CONT
36	36	1301327-00	68.0 K .25 W 5.0 % CC	1	R31
37	37	1300432-00	3.0 K .25 W 5.0 % CC	1	R72
38	38	1301969-00	22.0 .25 W 5.0 % CC	1	R6
39	39	1302092-00	220.0 K .25 W 5.0 % CC	1	R29
40	40	1302177-00	47.0 K .25 W 5.0 % CC	2	R51
41	41	1302388-00	2.0 K .25 W 5.0 % CC	5	R14,R23
42	42	1302391-00	20.0 K .25 W 5.0 % CC	1	R27,R28,R34,R37,R85
43	43	1302394-00	30.0 K .25 W 5.0 % CC	2	R83
44	44	1302396-00	150.0 K .25 W 5.0 % CC	2	R52,R106
45	45	1302398-00	470.0 K .25 W 5.0 % CC	4	R8,R81
46	46	1302941-00	14.70 K .25 W 1.0 % RN55D-F10	3	R7,R21,R45,R57
47	47	1303177-00	2.40 K .25 W 5.0 % CC	8	R13,R16,R56
48	48	1303312-00	10.0 K .25 W 1.0 % RN55D-F10	2	R17,R30,R41,R42,R43,R60,R69,R71
49	49	1305324-00	4.99 K .25 W 1.0 % RN55D-F10	4	R12,R15
50	50	1309386-00	5.60 M .25 W 5.0 % CC	1	R38,R39,R47,R49
51	51	1001610-01	*** THIS ITEM IS NOT USED ***	-	R40
52	52	1311466-00	.20 2.0 W 5.0 % WW	1	R53
53	53	1313596-00	20.0 K .25 W 1.0 % RN55D-F10	2	R77,R102
54	54	1315660-00	R NETWORK 16-10K 1-4.7K 20PIN	1	R2
55	55	1315661-00	R NETWORK MULTI-VALUE	2	R1,R4
56	56	1315662-00	R NETWORK 14-2.4K 10.0 % 15PIN	1	R3
57	57	1503409-00	DEC6534D PNP 310MW SI 40 90	2	Q2,Q4
58	58	1509142-00	DEC4250 PNP 200MW SI 40250	1	Q1
59	59	1509338-00	DEC6531B NPN 310MW SI 40 90 F	6	Q3,Q5,Q8,Q11,Q14,Q17
60	60	1510421-00	D 44C8 NPN 30WT SI 60 20	4	Q6,Q7,Q12,Q13
61	61	1510598-00	DEC45C8 PNP 27WT SI 60 20 Y	4	Q9,Q10,Q15,Q16
62	62	1812396-06	XTAL 4.9152 MHZ	1	Y1
63	63	1910282-00	301AN OP AMP	1	E30
64	64	1910645-00	75452 DRIVER,PERIPH,DUAL,	4	E9,E10,E26,E27
65	65	1910741-00	7406 INVERTER GATE-HEX 11	1	E8
66	66	1911242-00	*** THIS ITEM IS NOT USED ***	-	
67	67	1912107-00	324 OP AMP,QUAD	1	E15
68	68	1912108-00	339 VOLT CMFRTR,QUAD	1	E29
69	69	1912799-00	LS00 NAND-GATE-QUAD 2IN,P	2	E17,E19
70	70	1912801-00	LS02 NOR-GATE-QUAD 2IN	1	E13
71	71	1912803-00	774LS04 INVERTER GATE, HEX	2	E6,E25
72	72	1912807-00	LS10 NAND GATE-TRIPLE 3IN	1	E24
73	73	1912813-00	LS27 NOR GATE-TRIPLE 3IN	1	E18
74	74	1912832-00	LS107 FF-JK DUAL MASTER/SL	2	E5,E12
75	75	1912857-00	LS197 COUNTER,BINARY,RESET	1	E7

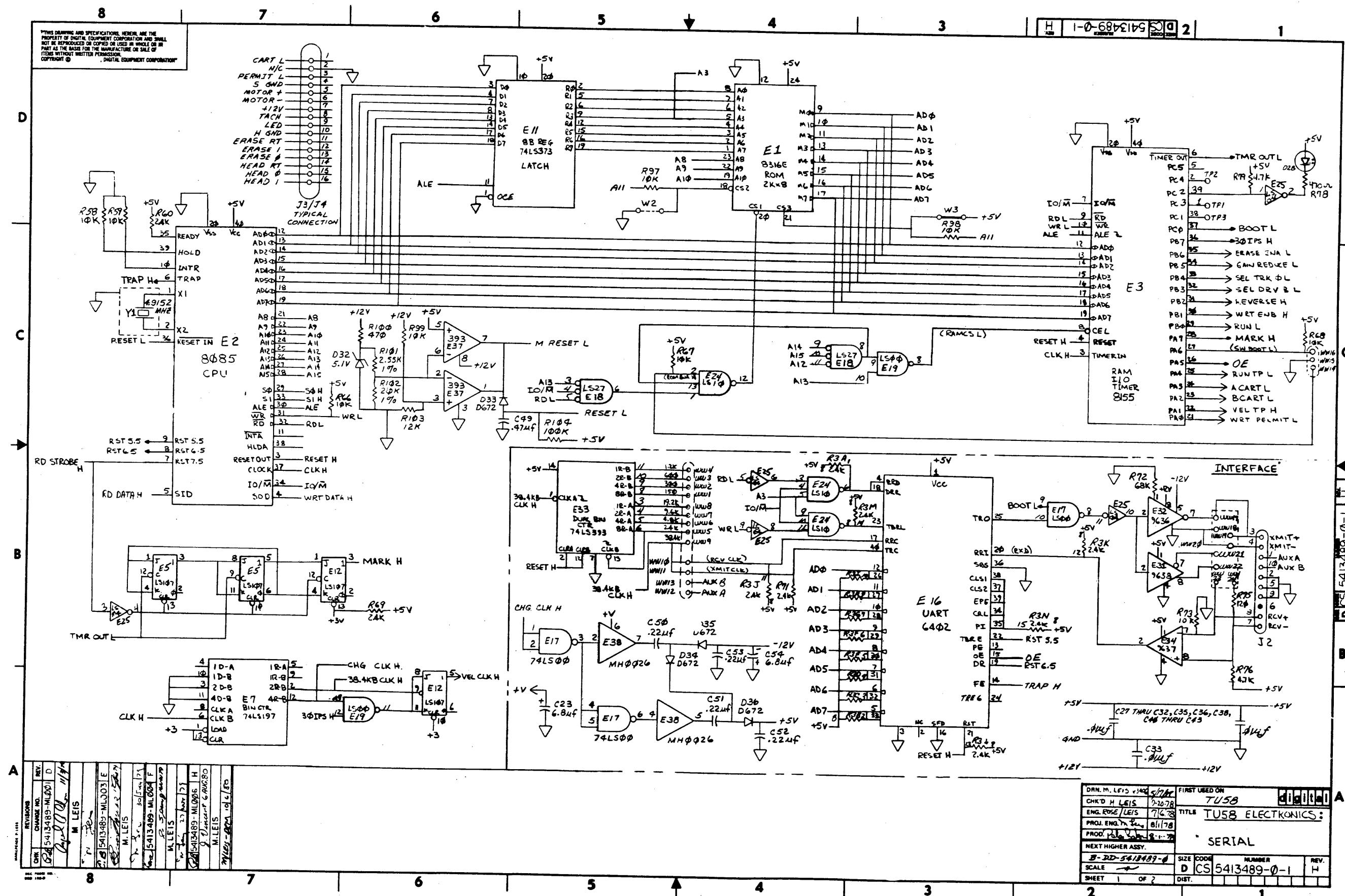
D	I	G	I	T	A	L	TITLE	SERIAL TU58	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
												K PL 5413489-0-DBP	H

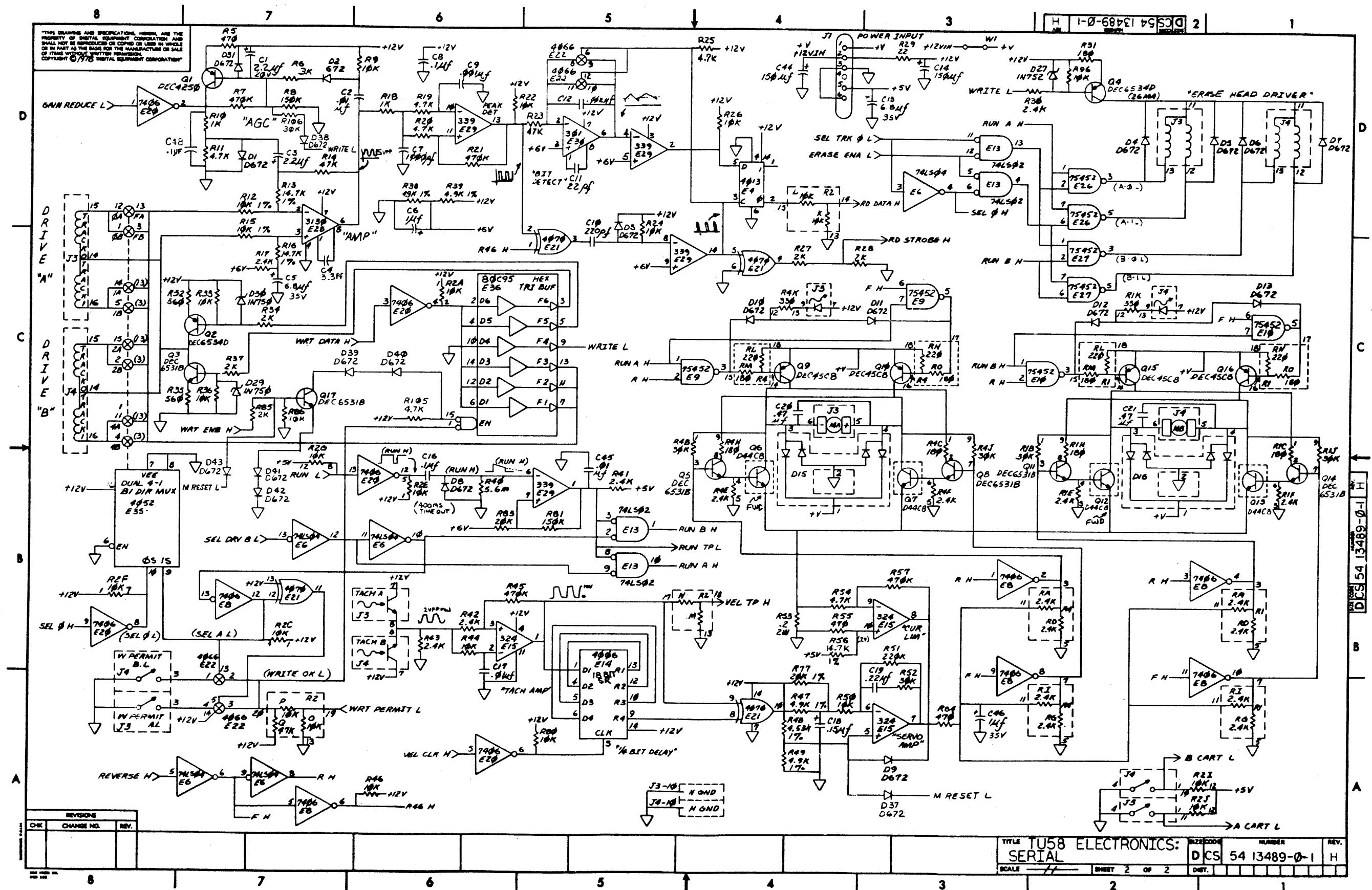
## PARTS LIST

SHEET A3 OF A3

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
				00	
76	76	1914451-00	74LS393 COUNTER,BINARY,4BIT	1	E33
77	77	1914466-00	3130E OP AMP MOS/FET IN,CM	1	E28
78	78	1915219-00	LS373 FF-D OCTAL-TRANSPARE	1	E11
79	79	1915415-00	9636 DRIVER,DUAL,EIA RS-	1	E32
80	80	1915416-00	9637 RECEIVER,DUAL,RS-42	1	E34
81	81	1915417-00	9638 DRIVER,DUAL,EIA RS-	1	E31
82	82	2113605-00	4006B SHIFT REG,18 STAGE	1	E14
83	83	2113609-00	4013B FF-D DUAL W/SET/RESET	1	E4
84	84	2113630-00	4052B MULTIPLEXER 4CHAN DI	1	E35
85	85	2113632-00	4065B BILATERAL SWITCH-QUA	1	E22
86	86	2113634-00	4070B X-OR GATE-QUAD CMOS	1	E21
87	87	2113937-00	UART 125K BAUD	1	E16
88	88	2114663-00	MM 80C95 BUFFER-GATE-HEX TRIS	1	E36
89	89	2114963-00	UP,8-BIT NMOS	1	E2
90	90	2114964-00	RAM 2048 MOSJ-STATIC	1	E3
91	91	23089E2-00	E2-01	1	E1
92	92	1212619-07	HEADER.156 6POS STRAIGHT	1	J1
93	93	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W1,W3
94	94 USED FOR Q7 & Q12	9010057-00	WASHER, INSULATING SHOULDER FOR	2	
95	95	1215816-01	HEADER.100 3POS STRAIGHT	1	
96	96	1215816-02	HEADER.100 13POS STRAIGHT	1	
97	97	1215816-03	HEADER.100 8POS STRAIGHT	1	
98	98	9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	2	
99	99	9006557-00	NUT,KEP , 4-40X 1/4 AF	2	
100	100	1100124-00	1N 750A VZ= 4.7 5% .40W P	2	D29,D30
101	101	1301890-00	560.0 .25 W 5.0 % CC	2	R32,R35
102	102	1313840-00	4.53 K .25 W 1.0 % RN55D-F10	1	R48
103	103	9105740-55	WIRE(WRAP)30AWG UL1423 A/R		
104	104	1012084-03	150 MFD 15V +75-10% AL EL	2	C44,C14
105	105	9107256-11	*** THIS ITEM IS NOT USED ***	-	
106	106	1910741-01	7406N BUFFER,HEX	1	E20
107	107	5414232-00	*** THIS ITEM IS NOT USED ***	-	
108	108	1310633-00	2.55 K .25 W 1.0 % RN55D-F10	1	R101
109	109	1300488-00	12.0 K .25 W 5.0 % CC	1	R103
110	110	1302466-00	100.0 K .25 W 5.0 % CC	1	R104
111	111	1105871-00	1/4M5.1AZ1 = 5.1 1Z .25W N	1	D32
112	112	1914156-00	LM 393 VOLT.COMPARATOR DUAL	1	E37
113	113	1912098-00	0026 DRIVER,MOS CLOCK,2	1	E38
114	114	1010274-01	.22 MFD 50V +80-20% ZSU CER	4	C50-C53
115	115	1010279-00	.47 MFD 25V 20% CER	3	C20,C21,C49

! ! ! ! ! ! !	TITLE	! ! ! ! ! ! !	SIZE	CODE	DOCUMENT NUMBER	REV
D I G I T A L	SERIAL TU58	SECTION A OF A	K PL	5413489-0-DBP	H	





8 7 6 5 4 3 2 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 © 1978, DIGITAL EQUIPMENT CORPORATION

## WIRE TABLE

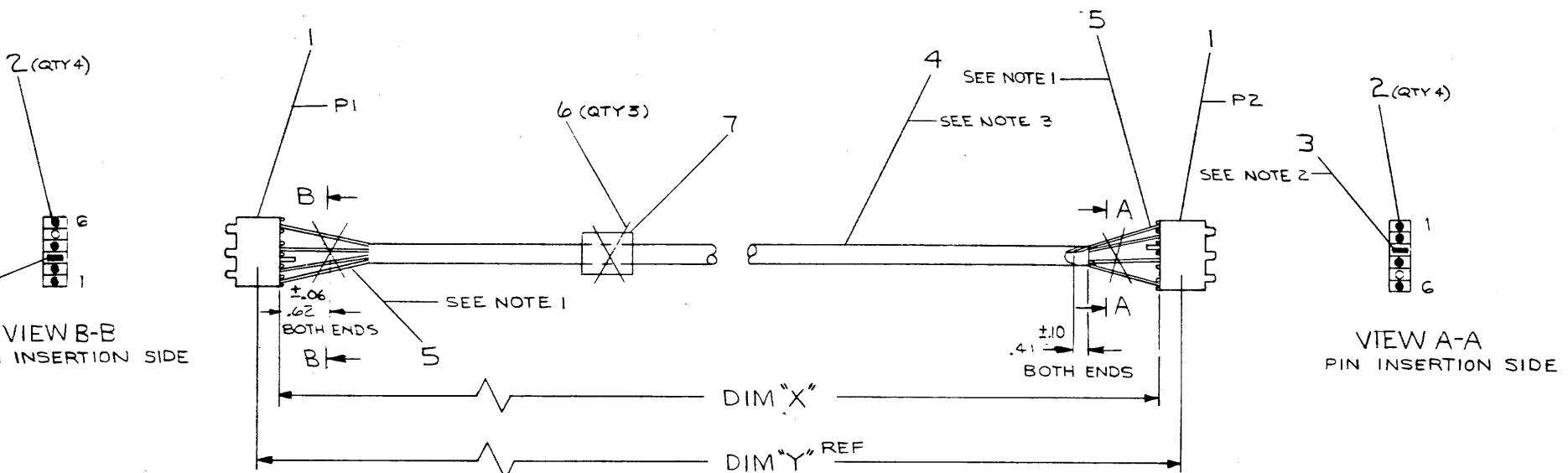
ITEM NO.	DESCRIPTION	FROM		TO		REMARKS
		ANG.	COLOR	CONNECTION WITH	CONNECTION WITH	
4	22 WHT	P1-6	ITEM 2	P2-6	ITEM 2	
	BLK	P1-4	ITEM 2	P2-4	ITEM 2	
	RED	P1-2	ITEM 2	P2-2	ITEM 2	
	22 SHIELD	P1-1	ITEM 2&5	P2-1	ITEM 2&5	

## LEGEND

NUMBER	DIM "X"	DIM "Y" (PRECUT) REF
7016756-2H	2FT 7IN ± 1IN	ZFT 8IN ± 1IN

## NOTES:

- SHIELD WIRE COMING FROM CABLE (ITEM #4) TO BE COVERED WITH TUBING (ITEM #5) 2" LONG, BOTH ENDS TO PREVENT ANY EXPOSURE. EXTRUDED TUBING MUST EXTEND INTO INSULATION SUPPORT PORTION OF WIRE CONTACT (ITEM #2) BUT MUST NOT EXTEND INTO THE WIRE CRIMP BARREL PORTION OF THE WIRE CONTACT (ITEM #2).
- INSTALL KEY PLUG (ITEM #3), INTO CONNECTOR POSITION NUMBER 3 ON CONNECTORS P1 & P2 AS SHOWN.
- CUT BACK JACKET (ITEM #4) 1.75 ± .25 BOTH ENDS AND REMOVE SHIELD.



DESCRIPTION	DWG./PART NO.	ITEM NO.
1 LABEL, CABLE IDENT	900953Z	7
3 TIE, CABLE	9007031	6
A/R TUBE THIN WALL NATURAL	9107278-11	5
A/R CABLE 3COND SHIELDED	9107574-00	4
2 KEY PLUG	9009658-01	3
8 CONTACT FEMALE	1212203-00	2
2 HOUSING,CONN 6 POS	1212620-05	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES						
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION / RANGE INCHES				
SURFACE QUALITY IN MEDIUM	MEDIUM	OVER 0	OVER .02	OVER .12	OVER 4.0	OVER 12.0
MICROINCHES	PREFERRED	.02	.10	.20	.40	.80
QUANTITY & VARIATION		.004	.008	.012	.016	.024

THIRD ANGLE PROJECTION

DRN. P.E. Olson 27 OCT 78 FIRST USED ON VTI03 digital

CHK'D BY E. OLSON 4-JUNE-79

ENG. C. ALLEN 4-JUNE-79

REMOVE BURRS AND BREAK SHARP CORNERS

PROJ. ENG. C. ALLEN 4-JUNE-79

PROD. MGR. K. HARRIS 4-JUNE-79

DO NOT SCALE DWG

NEXT HIGHER ASSY.

MATERIAL SEE PARTS LIST E-UA-VTI03-0-0

FINISH NONE SIZE CODE DIA 7016756-0-0 REV.

Sheet 1 of 1 DIST.

CABLE TU58  
POWER

REVISIONS  
CHANGE NO.  
CHK

8

7

6

5

4

3

2

1

MR

AWING AND SPECIFICATIONS, HEREIN, ARE THE  
Y OF DIGITAL EQUIPMENT CORPORATION AND SHALL  
EPRODUCED OR COPIED OR USED IN WHOLE OR IN  
THE BASIS FOR THE MANUFACTURE OR SALE OF  
THOUT WRITTEN PERMISSION.  
IT @ 1/5 , DIGITAL EQUIPMENT CORPORATION

1

1

4

2

2 1011411-0-0 D/IA

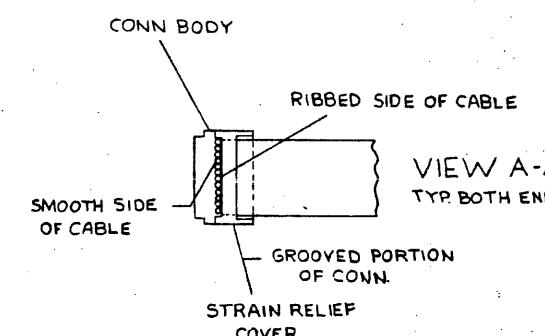
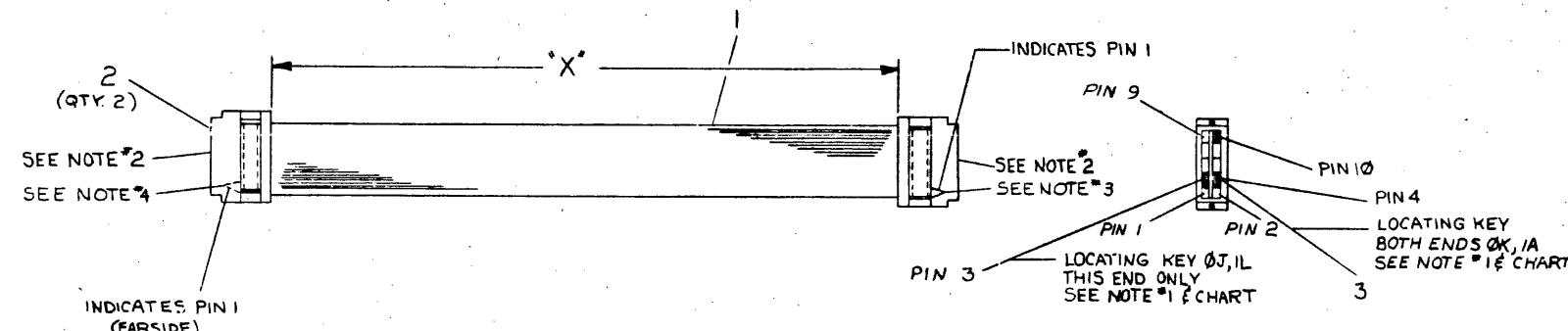
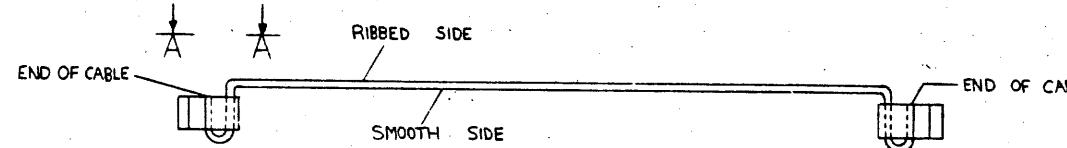
1

**LEGEND**

NUMBER	DIM "X" VARIATION	USED ON	KEY PIN
7011411-0J	8IN ± .5IN	B411-L OR K	.0 ONE END
7011411-0K	9IN ± .5IN	LS1-11	.1 BOTH ENDS
7011411-1D	1FT-4IN ± 1IN	KY11-LB	
7011411-2D	2FT-4IN ± 1IN	B411-F/DO HPF	.10 ONE END
7011411-0H	7IN ± .5IN	H790, 1, 2, 3	
7011411-1J	1FT-8IN ± 1IN	H04/34-TA	
7011411-1L	1FT.10IN ± 1IN	B411-L, H777	PIN 3 1 END
7011411-1A	1FT-.1IN ± 1IN	H787	.4 BOTH ENDS
7011411-3J	3FT-8IN ± 1IN	B411-K, H785	
7011411-2J	2FT-.8IN ± 1IN	B411-K, H785	NO KEY
7011411-5F	5FT-.6IN ± 1IN	1160	B ONE END
7011411-12	12FT ± 3IN	KA570	
7011411-7	7FT ± 2IN	11780	
7011411-1C	1FT-3IN ± 1IN	VT03	SEE NOTES 3 AND 4
7011411-2	2FT ± 1IN	VT03	SEE NOTES 3 AND 4
7011411-0E	5IN ± .5IN	NEBULA	BOTH ENDS
7011411-3D	3FT-4IN ± 1IN	NEBULA	.5 BOTH ENDS
7011411-0F	8IN ± .5IN	11/24	PIN 3 CNE PIN 6 ONE END
7011411-1B	1FT-2IN ± 1IN	H333A/DPM50	.4 BOTH ENDS

## NOTES:

1. INSERT KEY IN PROPER CONNECTOR PIN AND BREAK OFF TAB.
  2. FOR ITEM (2) DRAWING IS SHOWING 3M CONNECTOR.
  3. FOR -1C AND -2 VARIATIONS, KEY PIN 6.
  4. FOR -1C AND -2 VARIATIONS, KEY PIN 5.



REVISIONS			
CHN.	CHANGE NO.	REV.	
TO1141-1-00C11	M		
REDRAWN			
REVISED			
DATE 5/12/26 JULY 22			
K. DUGGAN			
TO1141-1-00C12	N		
F. ANTON			
E. 1/7/26	22 Mar 79		
TO1141-1-00C13	P		
D. BARRY			
T. SCHANIN			
/ Schanin	3/1/27/79		
TO1141-1-TW014	R		
D. SCHANIN			
/ Schanin	3/1/27/79		
TO1141-1-TW015	S		
D. BARRY			
TO1141-1-TW016	T		
H.D.B. SILVER			
J.S. TO1141-1-TW017	U		
M. BANGERT			
TO1141-1-TW018	V		
TO1141-1-TW019			
RAY GRUDA			
Tony K. Gruda	1-202		

TIE, CABLE	9007031	5					
LABEL,CABLE IDENT	9009532	4					
A/R KEY	9009707	3					
CONN. CRIMP	1211206-02	2					
AIR CABLE, 10 CONDUCT	9107747-02	1					
DESCRIPTION		DWG./PART NO.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
		OVER .0 TO .2	OVER .2 TO .4	OVER .4 TO .7	OVER .7 TO 1.0	OVER 1.0 TO 2.0	OVER 2.0 TO 4.0
SURFACE QUALITY IN MICRIBOULES	MEDIUM	+.004	-.008	-.012	+.016	+.022	+.04
	PREFERRED	+.012	-.018	-.025	+.04	+.060	+.10
DRW.M. BAPTIST	S-20-75	FIRST USED ON					
CHK'D. O HEALY	S-13-75	SEE LEGEND					
ENG.R. BARRY	S-1A-75	TITLE	CABLE				
PROL. ENG.R. BARRY	S-1B-75		CONSOLE BACKPLANE				
PROD. R. PETEPSON	S-19-75						
NEXT HIGHER ASSY.							
SCALE	NONE	SIZE	CODE	NUMBER			REV.
SHEET	1	OF	1	DIST.			V

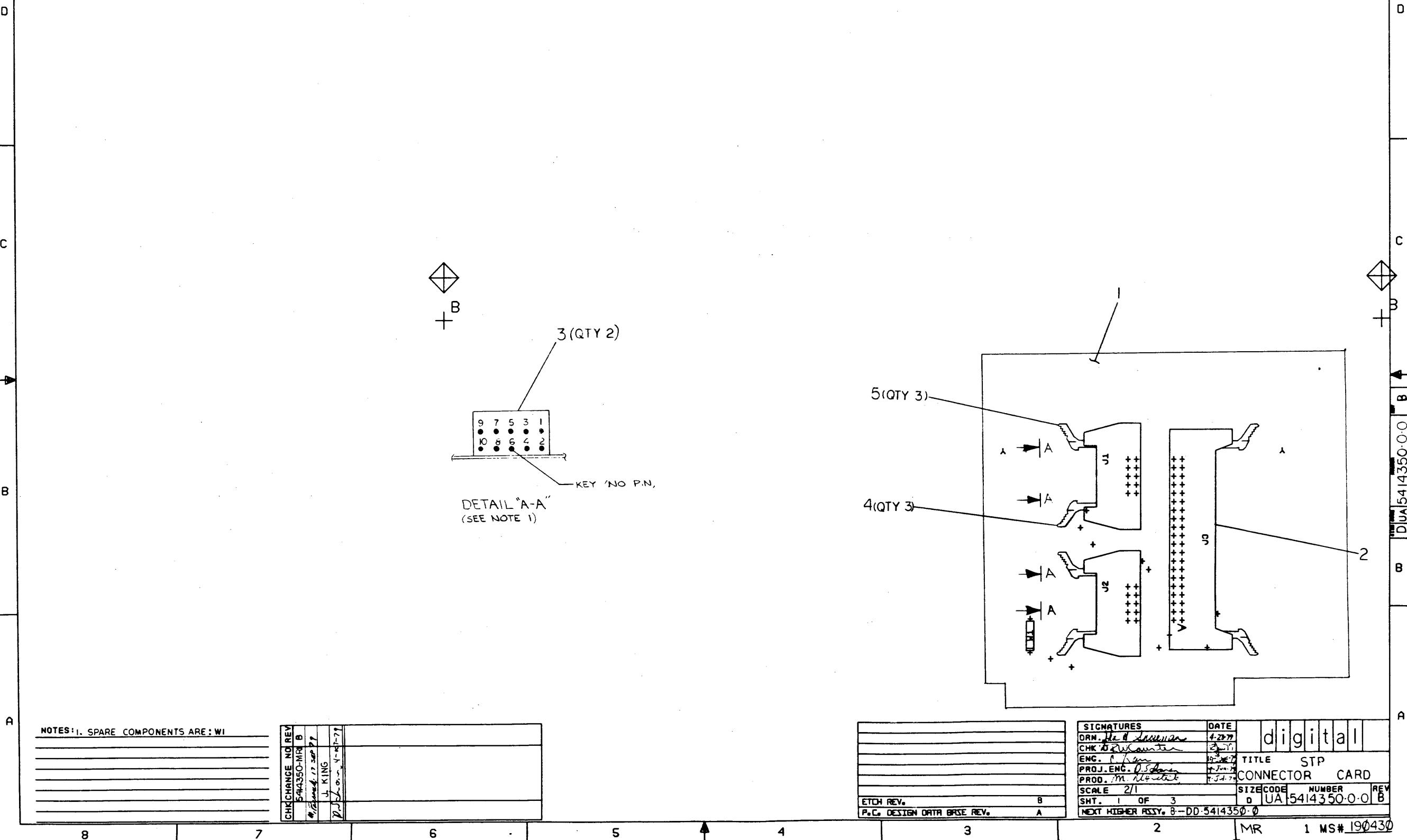
8  
7  
6  
5  
4  
3  
2  
1

THIS DRAWING AND INFORMATION CONTAINED HEREIN, AND THE  
PICKING OF ANY PART THEREOF, IS THE PROPERTY OF THE GOVERNMENT.  
IT MAY NOT BE COPIED OR DISSEMINATED EXCEPT AS AUTHORIZED  
BY THE GOVERNMENT. FOR THE DISSEMINATION OR SALE OF  
THIS DRAWING, CONTACT THE GOVERNMENT CONTRACTOR  
OR THE GOVERNMENT REPRESENTATIVE.

NOTES:

1. PIN #6 OF J1 AND J2 MUST BE  
CUT OUT BEFORE ASSEMBLY.

COMPONENT SIDE VIEW



8

7

6

5

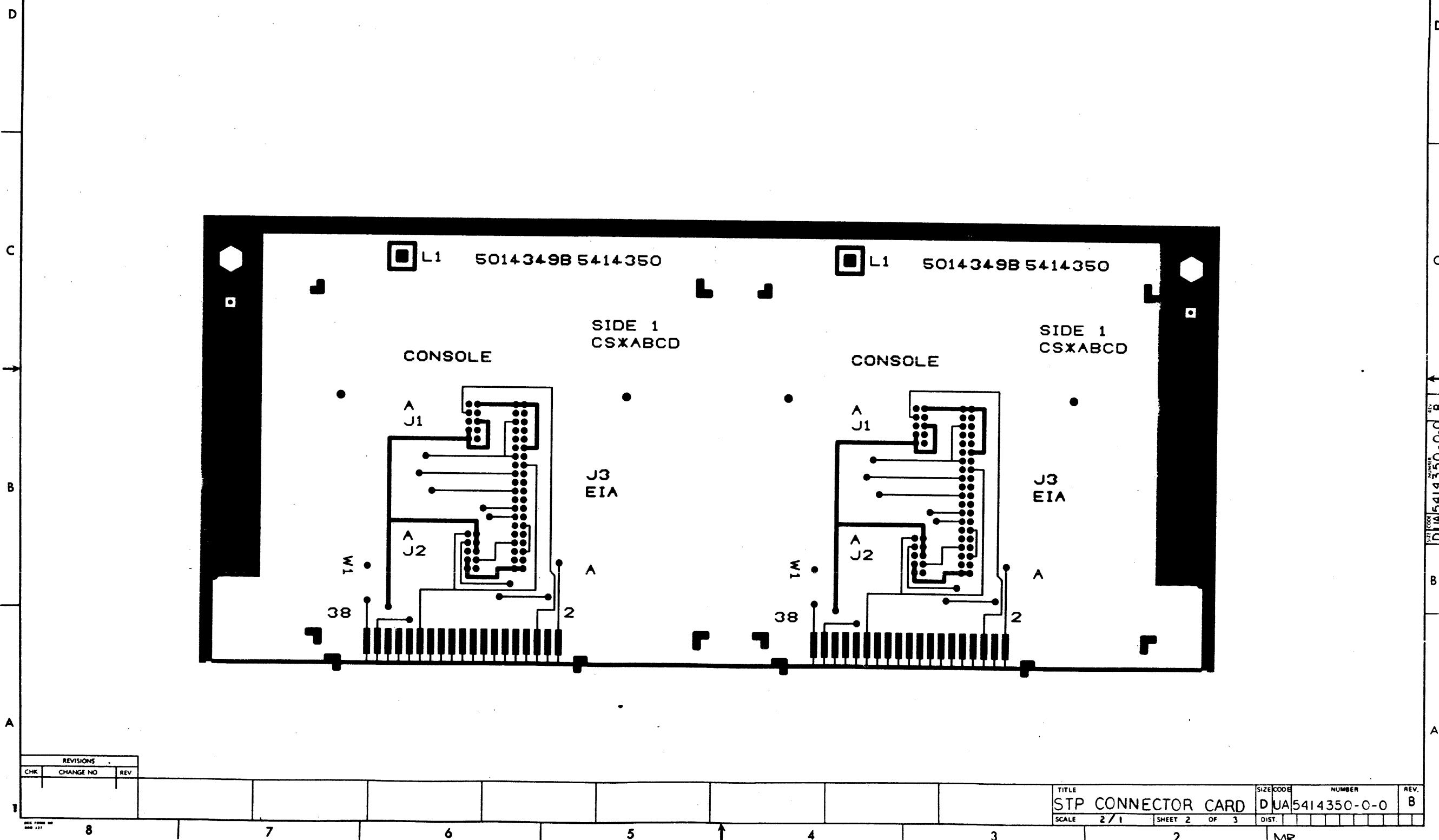
4

3

1

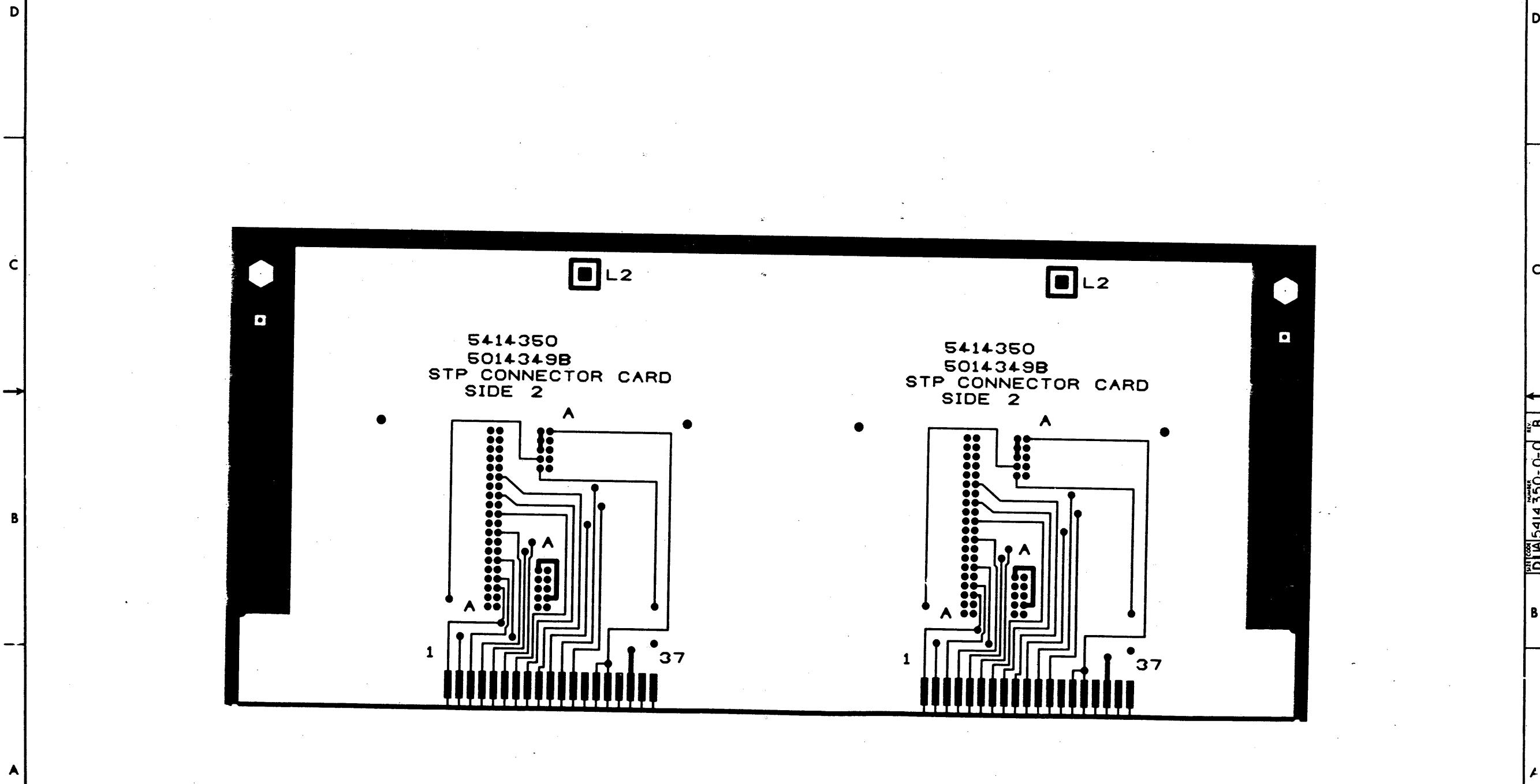
DUA5414350-0-0 B

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, NOR SHALL THEY BE MANUFACTURED OR SOLD, WITHOUT WRITTEN PERMISSION FROM DIGITAL EQUIPMENT CORPORATION. © 1979 DIGITAL EQUIPMENT CORPORATION.



"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, WITHOUT THE WRITTEN PERMISSION OF THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"

8 7 6 5 4 3 2 1

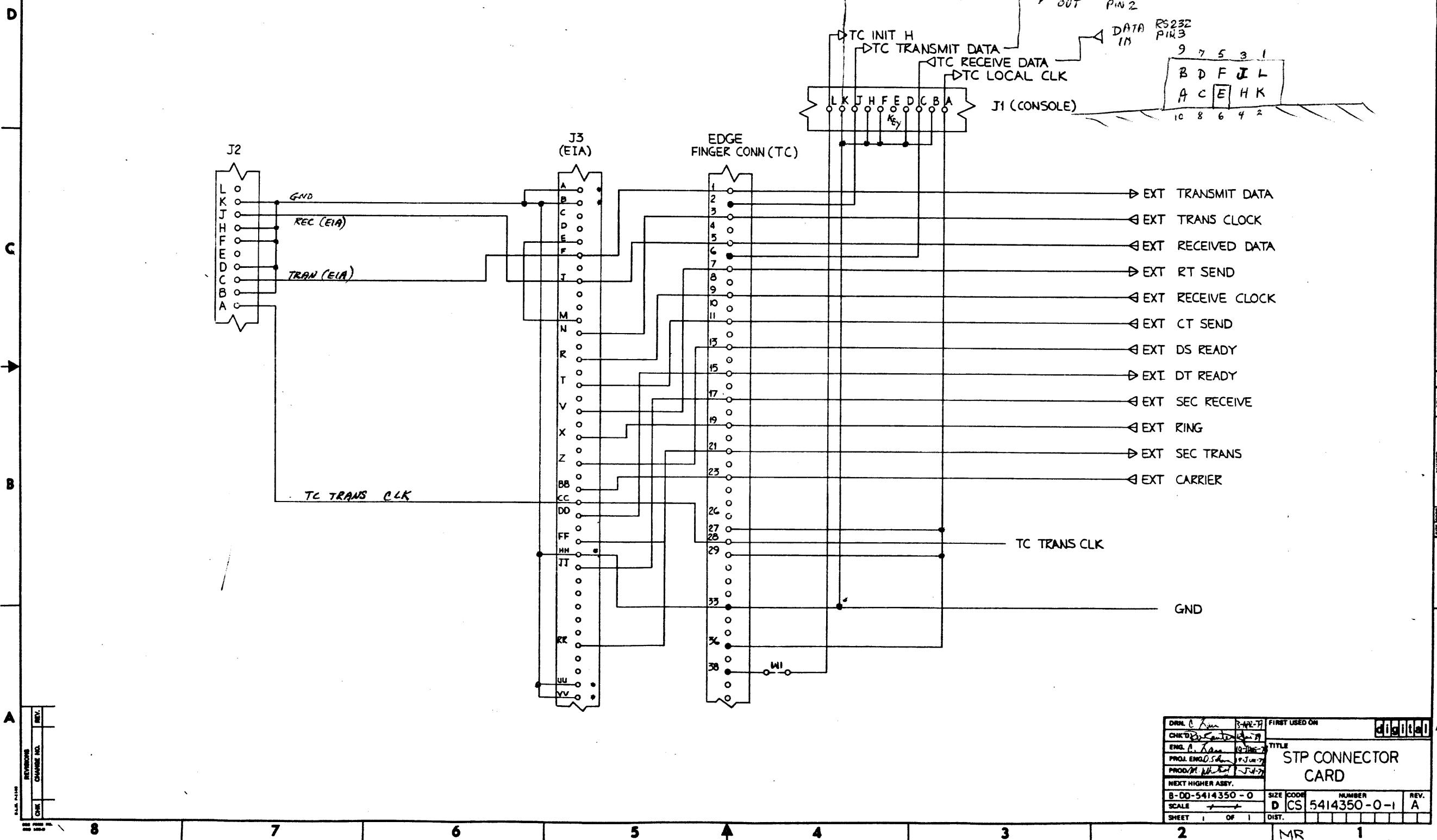


REVISIONS

CHK CHANGE NO REV.

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 FOR ANY MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION

8 7 6 5 4 3 2 1



AUTOMATED BY PRTLST,3L(32)

## PARTS LIST

SHEET A1 OF A1

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1 1	D-MD-5414349-0-0	5414349-00	ETCH CIRCUIT BD	1	
2 2		1209941-02	HEADER 100 40POS RT ANGLE	1	J3
3 3		1209941-05	HEADER, 100 10POS RT ANGLE	2	J1,J2
4 4		1209941-03	HEADER RT ANGLE LEFT L	3	
5 5		1209941-04	HEADER RT ANGLE,RIGHT	3	

REVISION HISTORY		BASIC PART NO: 5414350		DRN:	E,WILSON	DATE: 07-JUN-79	D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D:	R,W,CAUNTER	DATE: 07-JUN-79	TITLE	PARTS LIST
			SECTION, VARIATION INDEX				5414350	
			[A] 00				STP CONNECTOR CARD	
			[B]					
			[C]	DES,ENG:	C,LAU	DATE: 19-JUN-79		DOCUMENT NUMBER
			[D]					
			[E]					
			[F]	RESP,ENG,1	D,SCHANIN	DATE: 19-JUN-79		
			[G]					
			[H]					
			[J]					
			[K]	MFG,ENG,1	M,WHITESLEY	DATE: 09-JUL-79	K PL	5414350-0-DBP A
			[L]					
			[M]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:	FILE NAME:	EDIT #
			[N]	ID-UA-5414350-0-0		IB-DD-5414350-0-0	Z0536A,PLS	3

"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) 1979, DIGITAL EQUIPMENT CORPORATION "

MR

4

3

2

1

MR

"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"

D

D

C

C

B

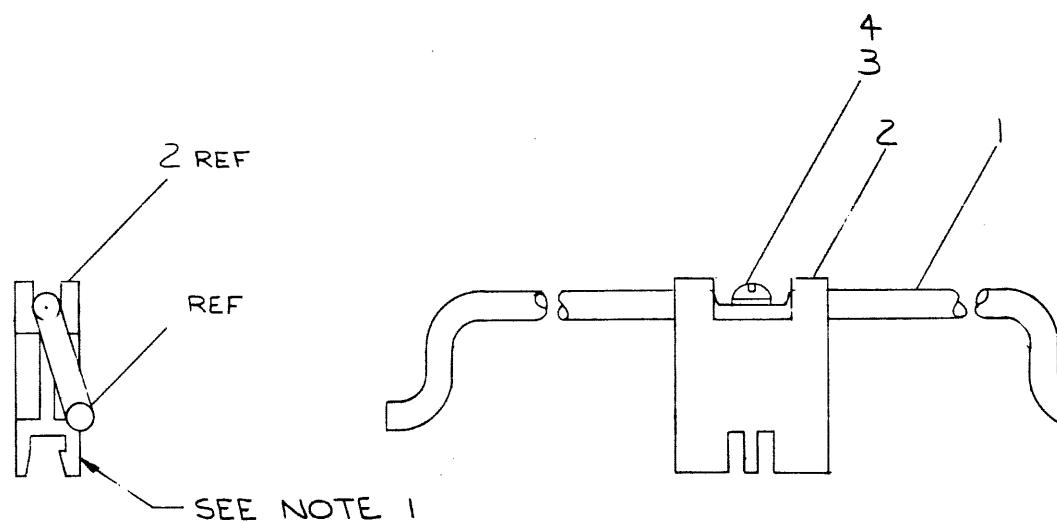
B

A

A

REVISIONS	REV.
CHANGE NO.	
CHK	

MAKERSPACE P-1688



## NOTES:

- I. IMPORTANT: ORIENTATION OF BLOCK TO ANGLE OF BEND HAS TO BE AS SHOWN.

ITEM NO.	DWG./PART NO.	DESCRIPTION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
		ANGLES ±0° 30'
		CLASS OF ACCURACY (CHECK ONE)
		NOMINAL DIMENSION RANGE INCHES
		OVER 0.2 TO 1.0 OVER 1.0 TO 4.0 OVER 4.0 TO 8.0
		0.2 4.0 12.0 40.0 80.0
		MEDIUM
		MICROINCHES
		PREFERRED ±.004 ±.008 ±.012 ±.018 ±.024 ±.04
		±.012 ±.018 ±.025 ±.04 ±.063 ±.11
1	9006632-00	WASHER, INT TOOTH , #4
1	9009236-00	SCR, PHL PAN HD, TYPE F, #4
1	D-MD-7422784-0-0	HOLDER, MODULE
1	D-MD-7422783-0-0	RETAINER, SPRING
THIRD ANGLE PROJECTION		
REMOVE BURRS AND BREAK SHARP CORNERS		
DO NOT SCALE DWG		
NEXT HIGHER ASSY.		
MATERIAL SEE PARTS LIST		
FINISH NONE		
FIRST USED ON VT103		
TITLE MODULE RETAINER ASSY		
SIZE C	NUMBER AD7016815-0-0	REV.

**"THE MATERIAL HEREIN IS FOR INFORMATION PURPOSES ONLY  
AND IS SUBJECT TO CHANGE WITHOUT NOTICE. DIGITAL EQUIPMENT  
CORPORATION ASSUMES NO RESPONSIBILITY FOR ANY ERRORS  
WHICH MAY APPEAR HEREIN."**

## **FIELD MAINTENANCE PRINT SET**

"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 MANU-  
FACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979  
DIGITAL EQUIPMENT CORPORATION."

## TABLE OF CONTENTS

B-TC-5414008-O-2

FIELD MAINTENANCE PRINT SET

## TABLE OF CONTENT

D-UA-5414008-0-0

VT103 BACKPLANE (UA)

D-CS-5414008-0 -

VT103 BACKPLANE (CSI)

K-PL-5414008-Q-DBP

5414008 PARTS LIST

R-PI-5414008-0-3

SHIPPING LIST (5414008)

**5414008  
Field Maintenance  
Print Set**

# Digital Equipment Corporation

FIELD MAINTENANCE PRINT  
SET ORDER NO. MPO0728

REVISIONS	CHG. NO.	REV.	USED ON OPTION/MODEL VT103	DRN.	DATE	TITLE: FIELD MAINTENANCE PRINT SET			
				<i>S. Wilson</i>	<i>27 MAR 79</i>				
CHK'D	<i>R.W. Cauder</i>	DATE							
PROJ. ENG.	<i>C. Kim</i>	DATE							
FIELD SERV.	<i>M. Rechsteiner</i>	DATE							
SIZE				CODE	NUMBER				REV.
<b>B</b>				<b>TC</b>	<b>5414008-0-2</b>				
DIST.									
SHEET 1 OF 1									
DRB 124									

**DRB 124**

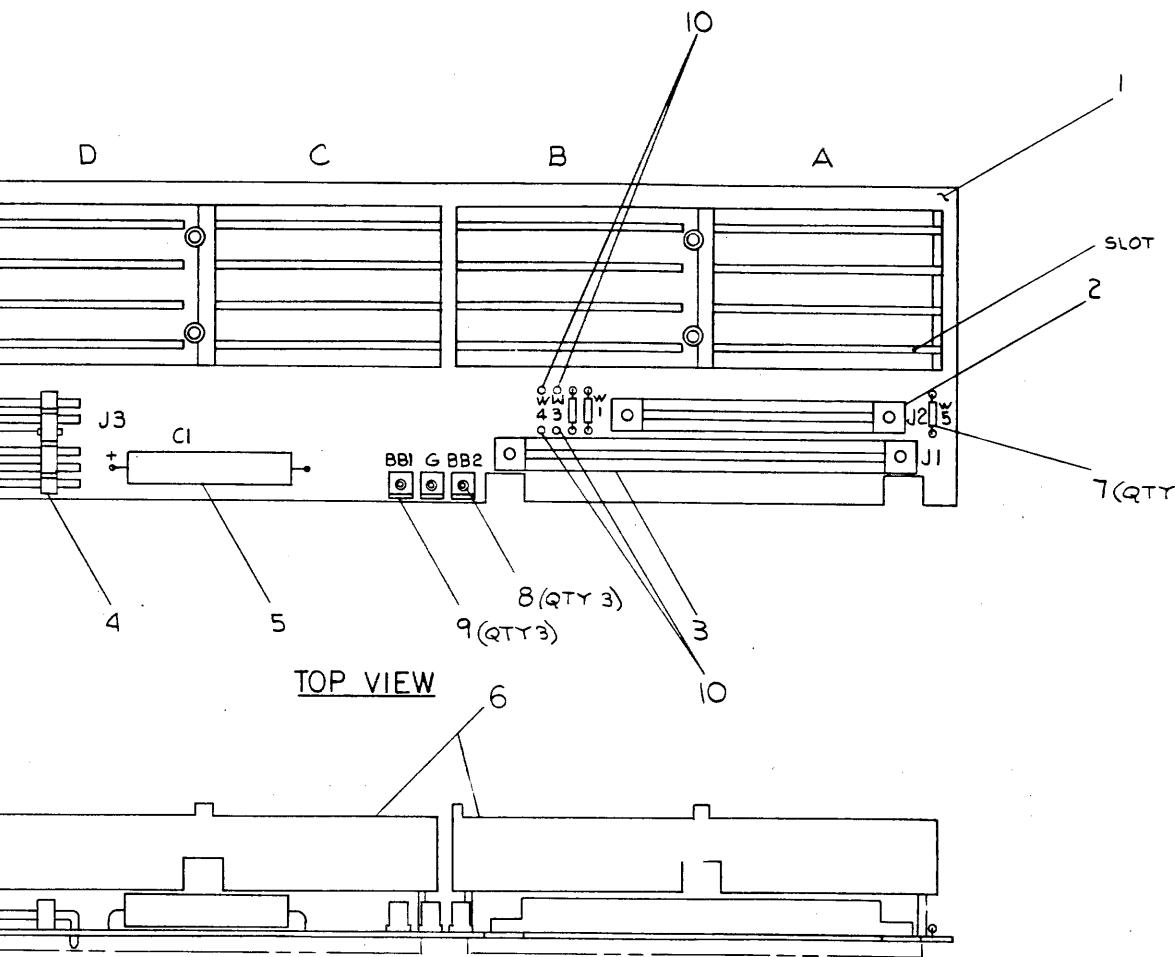
MR

"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

8

10

1



FRONT VIEW

RECORDED		REV.
CHN	CHARGE NO.	
-	ORIGINATED	A
MP 5414008-WRQ01 B		
MP 5414008-WRQ01 B		
CHI LAU		
CHI LAU		
MP 5414008-WRQ02 C		
D. SCHMANN		
D. SCHMANN		
MP MRQ04 D		
B LONGO		
MP MRQ05 E		
A MARTINETTE		

**NOTES:**

- ALL ITEMS ARE HAND INSERTED.
  - INSTALL ITEMS 7 AND 10 (JUMPERS & WIRE-WRAP PINS) FIRST.
  - THIS PIN MUST BE TRIMMED OFF (BOTH SIDES OF NYLON CARRIER) OR REMOVED FROM NYLON CARRIER BEFORE INSTALLING.
  - CPU SLOTS: 1A-1B FOR DUAL SIZE MODULE.  
1A-1B-1C-1D FOR QUAD SIZE.
  - ITEM 12 IS FIRST CUT INTO 50 INCH LENGTHS (TOTAL 10). THESE LENGTHS ARE THEN SLID INTO THE FOLLOWING PINS OF ITEM 6:  
A61A1, A61A2, A61V1, A61V2  
B61A1, B61A2, B61V1, B61V2  
C61A1, C61A2, C61V1, C61V2  
D61A1, D61A2, D61V1, D61V2
  - ITEMS 2 AND 3 MUST BE INSTALLED FLUSH WITH THE PRINTED CIRCUIT CARD.
  - THE FOUR MOUNTING HOLES FOR ITEMS 2 AND 3 (J1 AND J2) IN THE PRINTED CIRCUIT CARD MUST BE FREE OF SOLDER.
  - ITEM 9 (TAB) MUST BE SOLDERED TO THE TOP OF THE PRINTED CIRCUIT CARD FOLLOWING RIVETING. NO SPACE MUST EXIST BETWEEN ITEM 9 AND THE PRINTED CIRCUIT CARD.

			DESCRIPTION		DRG./PART NO.		ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
QUANTITY & VARIATION	ANGLES 30° 30'	CLASS OF ASSEMBLY	NOMINAL DIMENSION RANGE INCHES				
	SURFACE QUALITY 10	<input checked="" type="checkbox"/> CHECK ONE	OVER .010	OVER .010	OVER .010	OVER .010	OVER .010
	MICROWHICHES	MEDIUM	.004	.008	.48	.76	.98
MICROWHICHES		PREFERRED	.0012	.0016	.0025	.004	.006
THIRD ANGLE PROJECTION			DRG. & DESIGNED BY <i>[Signature]</i>	FIRST USED ON		VTI03	
			CHK'D <i>[Signature]</i> DATE <i>[Signature]</i>	TITLE		digital	
REMOVE BURRS AND BREAK SHARP CORNERS			ENG. <i>[Signature]</i> DATE <i>[Signature]</i>	PROL. ENG'D <i>[Signature]</i> DATE <i>[Signature]</i>		VTI03	
DO NOT SCALE DWG			PROD. <i>[Signature]</i> DATE <i>[Signature]</i>	NEXT HIGHER ASSY.		BACKPLANE	
MATERIAL SEE PARTS LIST			B-00-5414008-0		SIZE CODE		NUMBER
FINISH NONE			SCALE NONE		D U A		5414008-0-0
			SHEET 1 OF 2		DIST.		REV. E

8	9	5	4	6	2	1																							
7	6	5		4																									
8	9	5	4	6	2	1																							
D	D	D		D	D	D																							
C	C	C		C	C	C																							
B	B	B		B	B	B																							
A	A	A		A	A	A																							
COMPONENT SIDE VIEW																													
<p><b>REWORK INSTRUCTIONS</b> ECO #4 WIRE ADD SIDE 2, AC SCHAN: 4-1 FROM AG1HI TO AG4HI</p>																													
<p><b>NOTES:</b></p> <table border="1" style="float: left; margin-right: 10px; border-collapse: collapse;"> <tr><td>STEP E: + Y FIXTS</td><td>STEP</td><td>TIMES</td></tr> <tr><td>REPEAT</td><td>+ X FIXTS</td><td>STEP</td><td>TIMES</td></tr> </table> <table border="1" style="float: left; border-collapse: collapse;"> <tr><td>CHARGE NO</td><td>REV</td></tr> <tr><td colspan="2"></td></tr> </table>							STEP E: + Y FIXTS	STEP	TIMES	REPEAT	+ X FIXTS	STEP	TIMES	CHARGE NO	REV														
STEP E: + Y FIXTS	STEP	TIMES																											
REPEAT	+ X FIXTS	STEP	TIMES																										
CHARGE NO	REV																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 2px;">SIGNATURES</td> <td style="width: 10px; text-align: right;">DATE</td> <td rowspan="2" style="width: 100px; vertical-align: middle; text-align: center;">digital</td> </tr> <tr> <td style="width: 50px; text-align: right;">ORNL John H. Shewman</td> <td style="width: 50px; text-align: right;">7/23/88</td> <td style="width: 10px; text-align: right;">CNC</td> </tr> <tr> <td colspan="2" style="padding: 2px;">MECH. ENG.</td> <td style="width: 10px; text-align: right;">PROJ. ENG.</td> <td style="width: 100px; text-align: center;">TITLE VT 103 BACKPLANE</td> </tr> <tr> <td colspan="2" style="padding: 2px;">P.C. DESIGN DATA BASE</td> <td style="width: 10px; text-align: right;">ETCH REV.</td> <td style="width: 100px; text-align: center;">SCALE 2/1 D-PI SHT. 2 OF 2</td> </tr> <tr> <td colspan="2" style="padding: 2px;">NEXT HIGHER P/N 30-5414008-0-0</td> <td style="width: 10px; text-align: right;">P.C. DESIGN DATA BASE</td> <td style="width: 100px; text-align: center;">SIZE CODE NUMBER REV</td> </tr> <tr> <td colspan="2" style="padding: 2px;">MC I WD#312590</td> <td></td> <td style="width: 100px; text-align: center;">UA5414008-0-0</td> </tr> </table>							SIGNATURES		DATE	digital	ORNL John H. Shewman	7/23/88	CNC	MECH. ENG.		PROJ. ENG.	TITLE VT 103 BACKPLANE	P.C. DESIGN DATA BASE		ETCH REV.	SCALE 2/1 D-PI SHT. 2 OF 2	NEXT HIGHER P/N 30-5414008-0-0		P.C. DESIGN DATA BASE	SIZE CODE NUMBER REV	MC I WD#312590			UA5414008-0-0
SIGNATURES		DATE	digital																										
ORNL John H. Shewman	7/23/88	CNC																											
MECH. ENG.		PROJ. ENG.	TITLE VT 103 BACKPLANE																										
P.C. DESIGN DATA BASE		ETCH REV.	SCALE 2/1 D-PI SHT. 2 OF 2																										
NEXT HIGHER P/N 30-5414008-0-0		P.C. DESIGN DATA BASE	SIZE CODE NUMBER REV																										
MC I WD#312590			UA5414008-0-0																										
8	7	6	5	4	3	2																							

8

7

6

5

4

3

1

THE DRAWINGS 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

TABLE 1

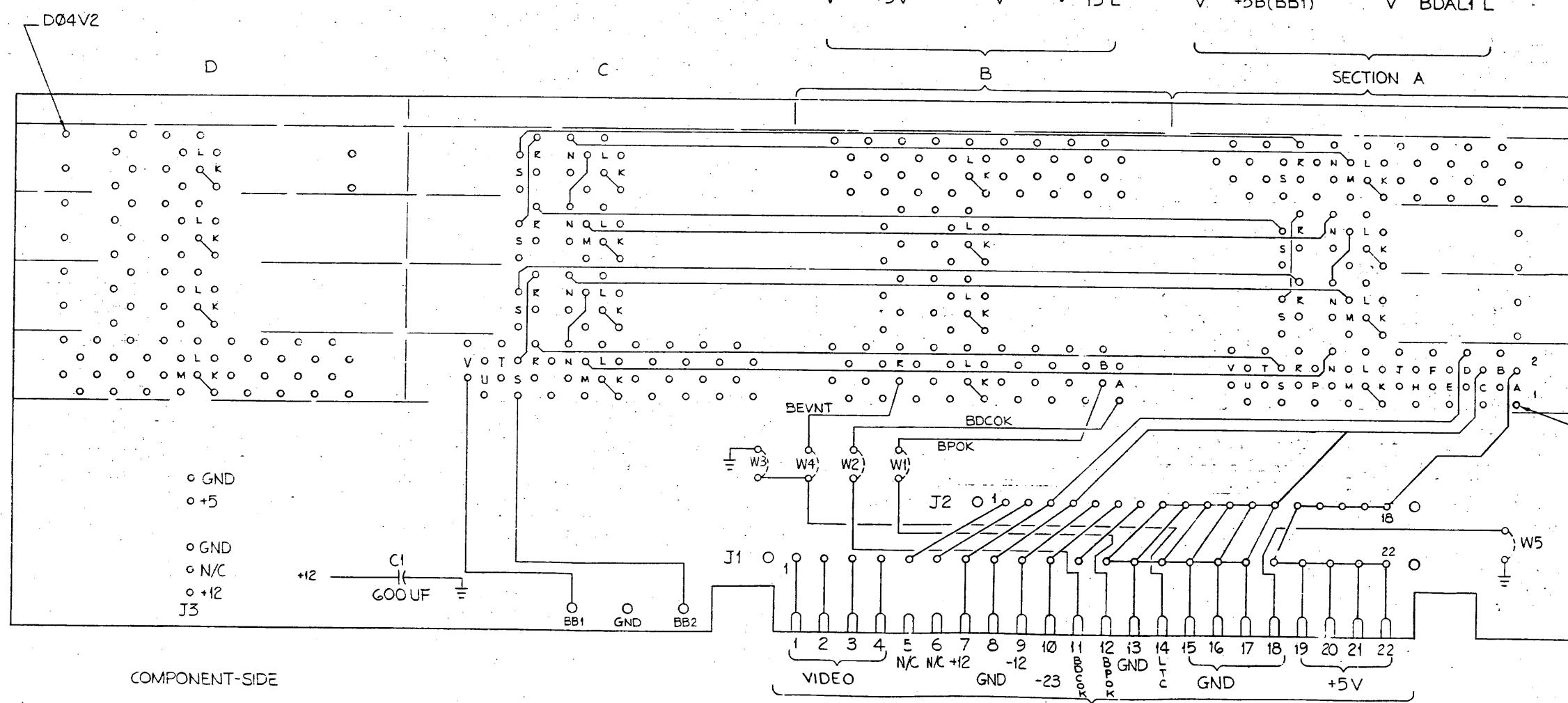
POWER SUPPLY AND JUMPER CONFIGURATION- FACTORY CONFIGURED FOR H7835 AND LINE TIME CLOCK DISABLED.

## POWER

SUPPLY	W1	W2	W3	W4	W5
H7835	IN	IN	OUT	*	IN
H7831	OUT	OUT	IN	OUT	OUT

\* INSERT TO ENABLE LINE TIME CLOCK  
REMOVE TO DISABLE LINE TIME CLOCK

PIN(1)	SIGNAL	PIN(2)	SIGNAL	PIN(1)	SIGNAL	PIN(2)	SIGNAL
A	BDCOK H	A	+5V	A	BIRQ5 L	A	+5V
B	BPOK H	B	-12V	B	BIRQ6 L	B	-12V
C	SSPARE4	C	GND	C	BDAL16 L	C	GND
D	*	D	+12V	D	BDAL17 L	D	+12V
E	*	E	BDAL2 L	E	SSPARE1	E	BDOUT L
F	*	F	3 L	F	SSPARE2	F	BRPLY L
G	*	G	4 L	H	SRUN L	H	BDIN L
H	*	I	5 L	J	GND	J	BSYNC L
I	*	K	6 L	K	MSPAREA	K	BWTBT L
J	*	L	7 L	L	MSPAREA	L	BIRQ4 L
K	*	M	8 L	M	GND	M	BIAK1 L
L	*	N	9 L	N	BDMR L	N	BIAKO L
M	*	O	10 L	O	BHALT L	P	BBS7 L
N	*	P	11 L	R	BREF L	R	BDMGI L
O	*	Q	12 L	S	+12B(BB2)	S	BDMGO L
P	*	R	13 L	T	GND	T	BINIT L
Q	*	S	14 L	U	PSPARE1	U	BDAL0 L
R	*	V	15 L	V	+5B(BB1)	V	BDAL1 L



REVISIONS	
CHK	CHANGE NO.
CS	REV.
5414008-MR02	B
1	4/24/74
D. SCHANIN	4/24/74
P. MRO04	4/24/74
B. LONGO	4/24/74

8

7

6

5

4

3

2

1

DRN:	5414008-0-0	FIRST USED ON	VT103	DIGITAL
CHK:	5414008-0-0	REV:	5414008-0-0	REV:
ENG:	1	DES:	5/24/74	5/24/74
PROJ. ENG.:	1	TEST:	5/24/74	5/24/74
PROD. C:	1	MAN:	5/24/74	5/24/74
NEXT HIGHER ASSY:				
B-DO-5414008-0		SIZE:	D	CODE: NUMBER
SCALE:		REV:	CS	5414008-0-1
SHEET:	1	OF 2	DIST:	1

MR 1

8

2  
APN 1-0-800H5415CS DCS 5414008-0-1

6

5

4

3

2

MR 1

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

## NOTES:

1. SECTIONS C & D HAVE SAME PIN-SIGNAL ASSIGNMENTS AS SECTIONS A & B RESPECTIVELY.

2. CORRESPONDING PINS IN EACH SLOT ARE BUSSSED TOGETHER, FOR EXAMPLE:

A01AI  
A02AI  
A03AI  
A04AI

EXCEPT FOR FOLLOWING:  
SSPARE 1,2,4-8 NOT BUSSSED. SSPARE 3 BUSSSED FROM SLOT 1 TO 4 AS SRUN L SIGNAL ON CONNECTOR BLOCK A ONLY.

PSPARSE 1-2 NOT BUSSSED.  
BK1 AND BL1, AM2 AND AN2, AR2 AND AS2 ARE CONNECTED AS SHOWN.

3. BACKPLANE IS DESIGNED TO BE POWERED BY EITHER H7835 OR H7831 POWER SUPPLY. SEE TABLE I.

D

D

C

C

B

B

A

A

## REVISION HISTORY

DATE	ECO NUMBER	REV.

DOD 137A

8

7

6

5

4

3

2

MR

1

DOCUMENT NUMBER		
SIZE	CODE	NUMBER
DCS	5414008-0-1	C
SCALE	REV.	SHEET 2 OF 2

## PARTS LIST

SHEET A1 OF A1

MR

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1 1	D-MD-5014007-0-0	5014007-00	VT103 BACKPLANE	1	
2 2		1215030-00	EDGE CARD 18POS STRAIGHT .125CC	1	J2
3 3		1215029-00	EDGE CARD 22POS STRAIGHT .156CC	1	J1
4 4		1212204-11	HEADER .156 6POS RT ANGLE	1	J3
5 5		1011849-01	600 MFD 25V +75-10% AL EL	1	C1
6 6		1210258-01	CONN,CARD 288PIN SLOTTED OPEN EN	2	
7 7		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	3	
8 8		9009000-00	EYELET,ROLL FLANGE .1210DX .156	3	W1,W2,W5
9 9		9008219-00	TERM QUICK 1POS ADAPTER	3	
10 10		9009149-01	PIN, STAKING, P.C.BOARD .025 SQU	4	
11 11	A-SP-3700425-0-0	3700425-00	PKG BACKPLANE 5414008-54-13945 I	1	
12 12		9107267-11	*** THIS ITEM IS NOT USED ***	0	
13 13	A-DC-7411881-0-0	7411881-00	DECAL BACKPLANE REV STATUS	1	

14 NOTE: 1. SPARE LOCATIONS ARE W3,W4

15 NOTE: 2. IF THERE IS A SHORTAGE OF 9009149-01, 9009149-00 MAY BE USED

REVISION HISTORY		BASIC PART NO: 5414008		IDRN: E.WILSON	DATE: 09-NOV-78	TITLE		PARTS LIST	
ENG	ECO NUMBER	REV	SECTION A. OF A.	CHK'D: R.W.CAUNTER	DATE: 24-JAN-79	5414008		VT103 BACKPLANE	
				DES,ENG: CHI LAU	DATE: 29-MAR-79	DOCUMENT NUMBER			
				RESP,ENG: CHI LAU	DATE: 29-MAR-79	SIZE/CODE: NUMBER		REV	
				MFG,ENG: J.C. BEVERLEY	DATE: 29-MAR-79	K	PL	5414008-0-DBP	E
				ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT	
				ID=UA-5414008-0-0	ID=UA-5414008-0-0	Z0449E,PLS		9	

"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"

MR

**DIGITAL EQUIPMENT CORPORATION  
PARTS LIST**

MADE BY *S. Walker*  
DATE 27 MAY 79

CHECKED *R. C. C.*  
DATE 31 MAY 79

SECTION  
I

ENG  
DATE 3/26/79

PROD *L. Remond*  
DATE 3/26/79

ISSUED SECTION  
I

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION										NOTES:
1	B-TC-5414008-0-2	MP00728	PRINT SET	1										
2	A-SP-3700425-0-0		PACKAGING INSTRUCTIONS	REF										
3	D-UA-5414008-0-0	5414008	VT103 BACKPLANE	1										

E.C.O. NO.  
MROO1

"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"

TITLE  
SHIPPING LIST (5414008)

ASSY NO.  
B-DD-5414008-0

SIZE  
B  
CODE  
PL  
NUMBER  
5414008-0-3

REV.  
A

SHEET 1 OF 1  
INSERTION PARTS LIST DATA BASE REV