

- NOTE:**
- ALL VT100 UNIVERSAL TERMINALS ARE SHIPPED SET UP FOR 100-130 VAC, 60HZ OPERATION. TERMINAL IS SWITCH SETTABLE FOR 220-240 VAC, 50/60 HZ OPERATION BY SLIDING ACTUATOR TO POSITION SHOWN IN DETAIL 'B'.
 - PACKAGING: WHEN SHIPPED, MATERIAL SHALL BE ADEQUATELY PROTECTED FROM HANDLING AND SHIPPING DAMAGE USING DIGITAL PACKAGING INSTRUCTION A-SP-3700324-0-0.
 - TERMINAL IS SUPPLIED WITHOUT INTERFACE CABLES. ORDER INTERFACE CABLES FOR OPTIONS VT100-AA THRU VT100-DC.
 - VARIATIONS OF THE ADVANCED VIDEO OPTION MODULE ARE INCLUDED AS STANDARD EQUIPMENT ON THE FOLLOWING VT100 VARIATIONS:

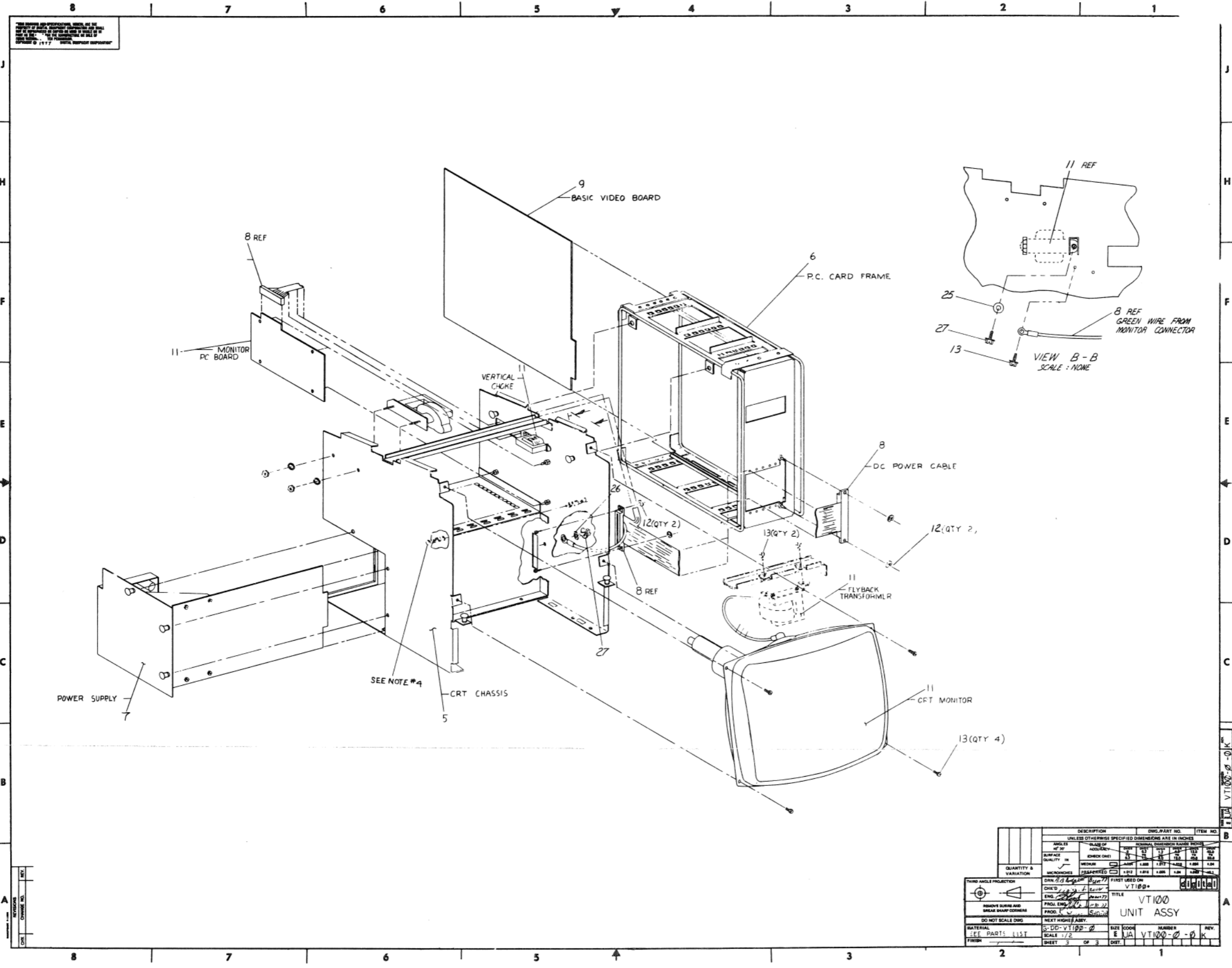
VT100 VAR	ITEM NUMBER	MODULE PART NUMBER
-WA	29	5413097-01
-WB	29	5413097-01

- FLYBACK TRANSFORMER FOR ALTERNATE MONITOR, BALL BROTHERS 3044590-0-0 IS INSTALLED TO CHASSIS USING 3009967-00 SCREWS QTY 2, AND CRT IS GROUNDED USING C-110-7819836-00 RETAINERS QTY 2.
- SCREWS ITEM #31 FOR SHIPPING USE ONLY.

REV	DESCRIPTION	DATE	BY
1	ISSUED FOR PRODUCTION	11/27/77	J. B. ...
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OFF SHEET PARTS LIST EXISTS
SET C-PL-VT100-0-0

REV	DESCRIPTION	DATE	BY
1	ISSUED FOR PRODUCTION	11/27/77	J. B. ...
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DESCRIPTION		QTY	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
QUANTITY & VARIATION	DESCRIPTION	QTY	PART NO.	ITEM NO.
1	VT100 UNIT ASSY	1	VT100-0-0K	1
1	MONITOR PC BOARD	1	8 REF	2
1	BASIC VIDEO BOARD	1	9	3
1	P.C. CARD FRAME	1	6	4
1	POWER SUPPLY	1	7	5
1	CRT CHASSIS	1	5	6
1	CRT MONITOR	1	11	7
2	VERTICAL CHOKE	12(QTY 2)	11	8
2	FLYBACK TRANSFORMER	11	11	9
2	DC POWER CABLE	8	8	10
4	SCREWS	13(QTY 4)	13	11

DATE: 10/1/77
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

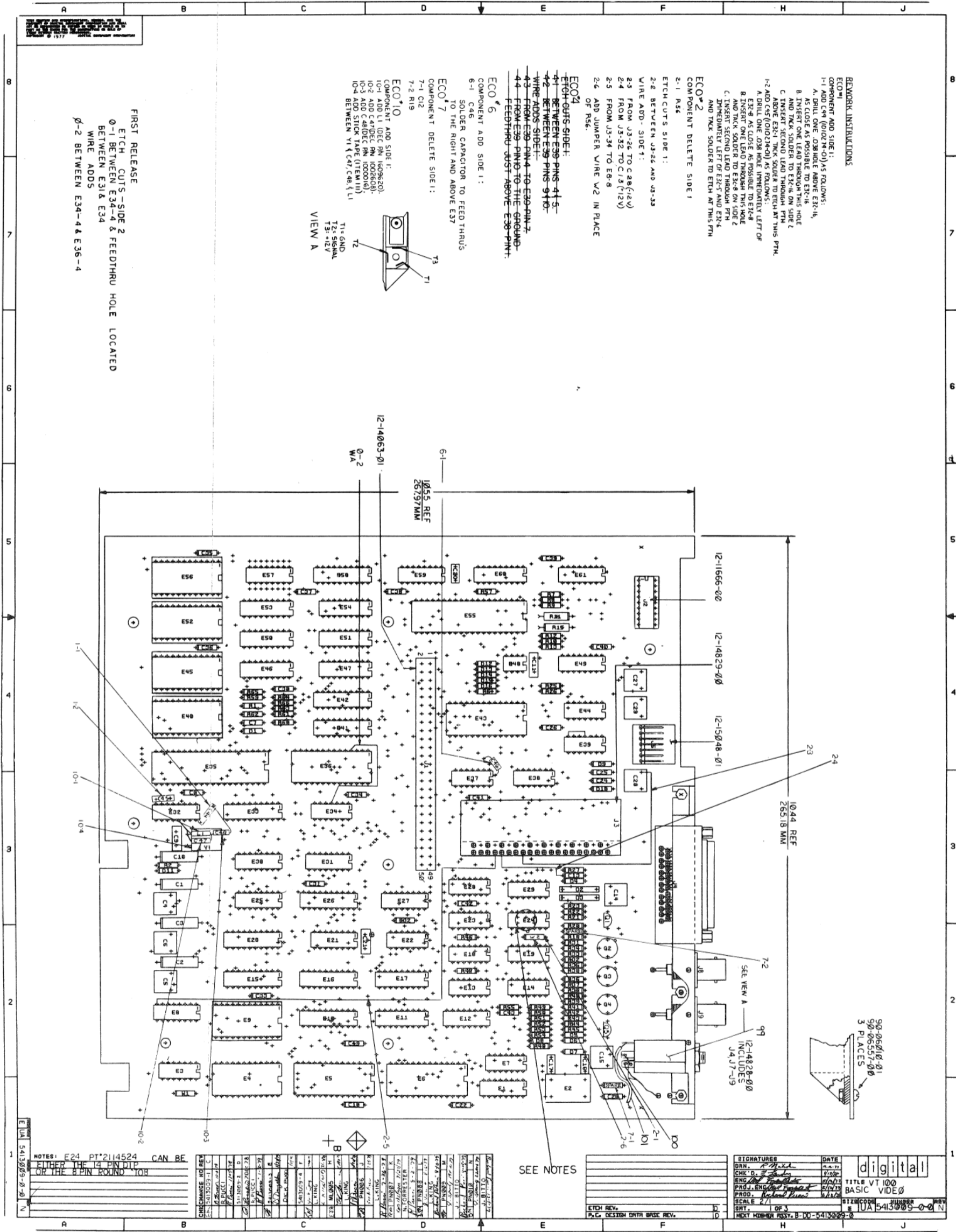
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			VT100-AA	VT100-AE	VT100-NA	VT100-NE	VT100-WA	VT100-WE
1	D-UA-7014653-00-0	KEYBOARD ASSY. W/AUX. KEYPAD	1	1	-	-	-	-
2	E-IA-7014980-00-0	BASE ENCLOSURE ASSY. (CRT)	1	1	1	1	1	1
3	D-IA-7014976-00-0	WORD BOX ASSY.	1	1	1	1	1	1
4	D-IA-7014974-00-0	ENCLOSURE TOP ASSY (CRT)	1	1	1	1	1	1
5	D-IA-7014975-00-0	CHASSIS ASSY. CRT	1	1	1	1	1	1
6	D-AD-7014977-00-0	FRAME, P.C. CARD ASSY.	1	1	1	1	1	1
7	D-AD-7014979-00-0	POWER SUPPLY H7831, 115V, 230V/50,60 HZ	1	1	1	1	1	1
8	D-IA-7014978-00-0	D.C. POWER CABLE	1	1	1	1	1	1
9	D-UA-5413009-00-0	BASIC VIDEO BOARD ASSY.	1	1	1	1	1	1
10	C-ND-7419896-00-0	RETAINER GROUND SPRING	1	1	1	1	1	1
11	3016080-00	CRT MONITOR	1	1	1	1	1	1
12	9010007-00	RETAINING RING	4	4	4	4	4	4
13	9009967-00	SCR. SLOTTED HEX HD #6 - 32 X .31 (SEMS)	9	9	9	9	9	9
14	3615680-00	LABEL, SWITCH POSITION	1	1	1	1	1	1
15	A-PS-1700083-09	LINE CORD (115 VAC) USA	1	-	1	-	1	-
16	A-PS-1700083-10	LINE CORD (230 VAC) USA	-	1	-	1	-	1
17	D-UA-7014653-02-0	KEYBOARD ASSY. (DECFORM KEYCAP)	-	-	1	1	-	-
18	A-DC-7414213-00-0	LABEL (U.L.)	1	1	1	1	1	1
19	A-PS-3613210-01	LABEL, ELECTRICAL DATA	1	1	1	1	1	1
20	A-PS-3613210-02	LABEL, ELECTRICAL DATA	1	1	1	1	1	1
21	A-PS-3613211-01	LABEL (CSA)	1	1	1	1	1	1
22	A-SP-3700324-00	PACKAGING INSTRUCTIONS	1	1	1	1	1	1
23	E-UA-VT1XX-AA-0	20 MA CURRENT LOOP ADAPT. (OPTIONAL)	REF	REF	REF	REF	REF	REF
24	VT1XX-AB-0	ADVANCED VIDEO BOARD (OPTIONAL)	REF	REF	REF	REF	REF	REF
25	9006659	WASHER, FLAT #6	1	1	1	1	1	1
26	9007649	WASHER, EXT. TOOTH, LOCK	1	1	1	1	1	1
27	9010112	SCREW, #6 x 3/8"	2	2	2	2	2	2
28	E-UA-7014653-03-0	KEYBOARD ASSY. (WORD PROCESSING KEYCAP).	-	-	-	1	1	-
29	D-CS-5413097-01	WORD PROCESSING ADVANCED VIDEO MODULE	-	-	-	1	1	-
30	9009313-01	SUPPORT CIRCUIT BOARD	-	-	-	4	4	-
31	9010135	SCR. SLOTTED HEX HD #8-32 x .50.	4	4	4	4	4	4

REVISIONS

CHK	CHANGE NO.	REV.
ER	VT100 - ML001	A
Q	Revised 26 Oct 78	
L. KING		
A. King	15 Nov 75	B
VT100 - ML002		
J. BITTO		
Richard Pucci	1-23-79	C
VT100 - PNO03		
L. KING	2-19-79	
G. Chittenden	5 Mar 79	D
VT100 - PNO11		
Chittenden	6-19-79	
J. BITTO		
J. BITTO (bc)		
VT100 - PNO12		E
CANCELED		
VT100 PNO17		F
Chittenden	23 Jun 79	
J. BITTO		
J. BITTO (bc)	7/26/79	H
VT100 - PNO20		
Chittenden	15 Aug 79	
J. BITTO		
R. Dickerson	21 Aug 79	J
VT100 - PNO21		
Chittenden	27 Aug 79	
J. BITTO		
R. Dickerson	2 Oct 79	K
VT100 - PNO22		
Chittenden	31 Oct 79	
J. BITTO		
Richard Pucci	11-1-79	

DRN. B. BLODGETT	3 SEPT 78	FIRST USED ON	VT100	digital
CHK'D D. HEALY	24 SEPT 78	TITLE	VT100 UNIT ASSY.	
ENG. E. HADLEY	26 Jun 78	SIZE	C	PL
PROJ. ENG. R. DICKERSON	10-26-78	NUMBER	VT100-0-0	
PROD. S. B. BLODGETT	7-21-78	REV.	K	
NEXT HIGHER ASSY.	E-UA-VT100-0-0	SCALE		
SHEET	OF	DIST.		



REWORK INSTRUCTIONS

ECO#1
 COMPONENT ADD SIDE 1:
 1-1 ADD L1 (DEC PIN 14098E01)
 AS CLOSE AS POSSIBLE ABOVE EX2-14
 2-1 INSERT ONE LEAD THROUGH THIS HOLE
 AND TACK SOLDER TO EX2-14 ON SIDE 2
 3-1 INSERT SECOND LEAD THROUGH PTH
 ABOVE EX2-14 TACK SOLDER TO ETCH AT THIS PTH.
 4-1 ADD C45 (0102749) AS FOLLOWS:
 A. EX2-14 AS CLOSE AS POSSIBLE TO LEFT OF
 EX2-14 AS CLOSE AS POSSIBLE TO EX2-14
 B. INSERT ONE LEAD THROUGH THIS HOLE
 AND TACK SOLDER TO EX2-8 ON SIDE 2
 C. INSERT SECOND LEAD THROUGH PTH
 IMMEDIATELY LEFT OF EX2-7 AND EX2-4
 AND TACK SOLDER TO ETCH AT THIS PTH

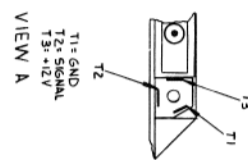
ECO#2
 COMPONENT DELETE SIDE 1
 2-1 R56
 ETCH CUTS SIDE 1:
 2-2 BETWEEN J3-22 AND J3-23
 WIRE ADD - SIDE 1:
 2-3 FROM J3-26 TO C28 (12V)
 2-4 FROM J3-32 TO C13 (12V)
 2-5 FROM J3-34 TO E8-8
 2-6 ADD JUMPER WIRE W/2 IN PLACE
 OF R56.

ECO#4
 ETCH CUTS SIDE:
 4-1 BETWEEN E39-PINS 4 & 5
 4-2 BETWEEN E39-PINS 9 & 10
 WIRE ADDS SIDE 1:
 4-3 FROM E39-PIN 4 TO E39-PIN 2
 4-4 FROM E39-PIN 10 TO THE GROUND-
 FEEDTHRU JUST ABOVE E38-PIN 1.

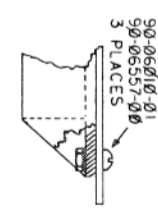
ECO#6
 COMPONENT ADD SIDE 1:
 6-1 C46
 SOLDER CAPACITOR TO FEED THRU
 TO THE RIGHT AND ABOVE E37

ECO#7
 COMPONENT DELETE SIDE 1:
 7-1 Q12
 7-2 R19

ECO#10
 COMPONENT ADD SIDE 1:
 10-1 ADD L1 (DEC PIN 14098E01)
 10-2 ADD C47 (DEC PIN 10028E01)
 10-3 ADD C48 (DEC PIN 10028E01)
 10-4 BETWEEN Y1 (C47/C48) & L1



FIRST RELEASE
 ETCH CUTS - SIDE 2
 0-1 BETWEEN E34-4 & FEEDTHRU HOLE LOCATED
 BETWEEN E31 & E34
 WIRE ADDS
 0-2 BETWEEN E34-4 & E36-4



NOTES: E24 PT 2114524 CAN BE
 EITHER THE 14 PIN DIT
 OR THE 8 PIN ROUND TOR

REV	DATE	BY	CHKD	APP'D	DESCRIPTION
1	11/17/73	J. J. [Signature]	[Signature]	[Signature]	INITIAL RELEASE
2	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
3	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
4	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
5	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
6	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
7	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
8	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
9	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
10	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
11	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
12	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
13	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
14	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
15	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
16	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
17	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
18	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
19	12/11/73	[Signature]	[Signature]	[Signature]	REVISION
20	12/11/73	[Signature]	[Signature]	[Signature]	REVISION

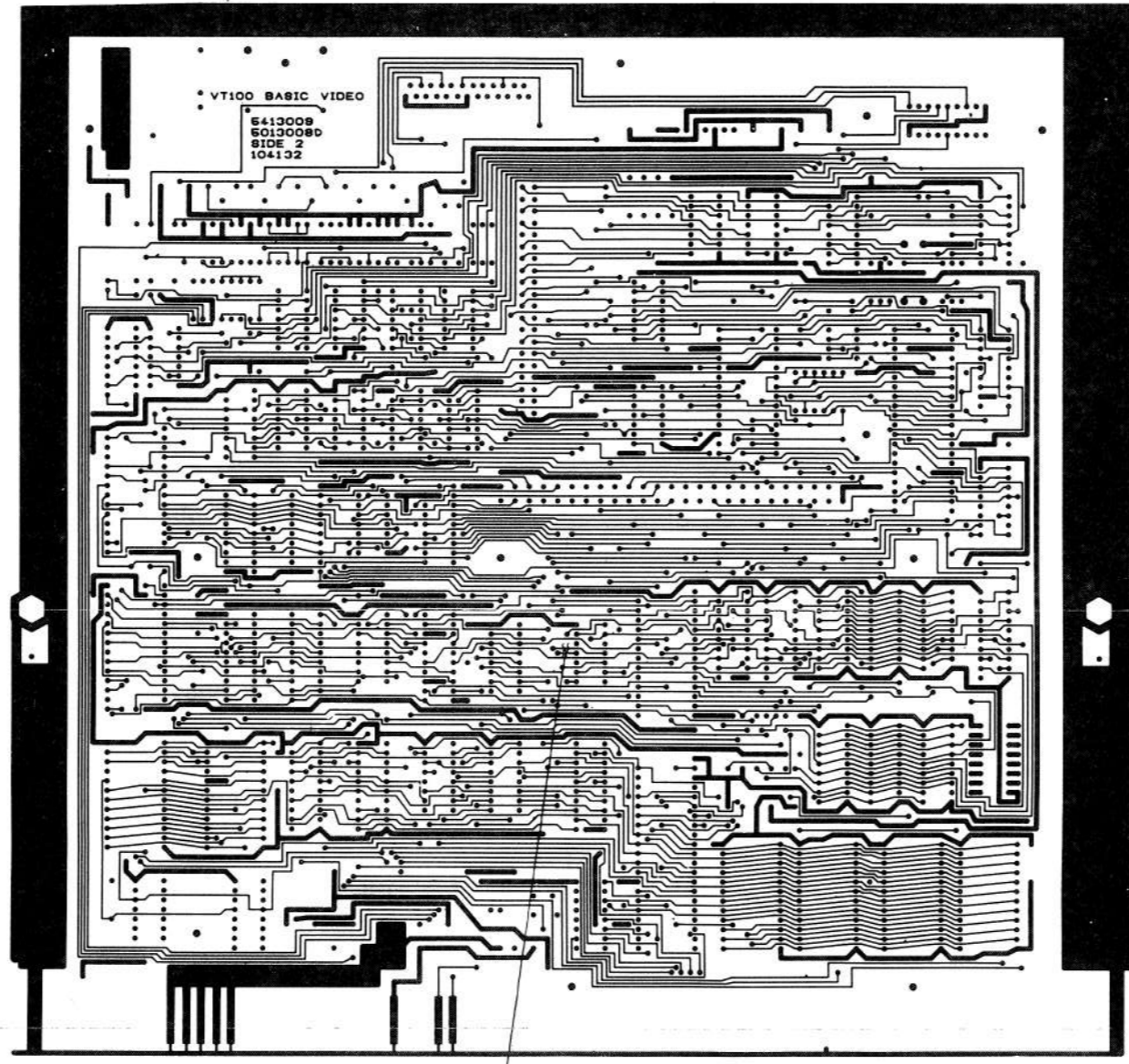
SEE NOTES

SIGNATURES	DATE
BRN. [Signature]	11/17/73
CHKD. [Signature]	11/17/73
ENG. [Signature]	11/17/73
PROJ. ENG. [Signature]	11/17/73
PROD. [Signature]	11/17/73
SCALE 1/1	
DR. [Signature]	
EXT. MEMBER ASSY. B-100-5413009-0	

TITLE VT 100
 BASIC VIDE 0
 ITEM NUMBER
 5413009-0-0

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REVISIONS		
CHK	CHANGE NO.	REV.



TITLE	VT100 BASIC VIDEO	DATE		NUMBER	
SCALE	2:1	SHEET	3 of 3	DIST.	

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	D-MD-5013008-0-0	5013008-00	VT100 BASIC VIDEO	1	
2		1000005-00	6.8 MMF 100V 5%200PPM DM15S	1	C9
3		1000014-00	68.0 MMF 100V 5%200PPM DM15S	1	C11
4		1000016-00	100.0 MMF 100V 5%200PPM DM15S	2	C21,C48
5		1000076-00	39 MFD 10V 10% 150D S.TA	1	C10
6		1001610-01	.01 MFD 100V -20+80 Z5U DISC	3	C16,C17,C23
7		1005306-00	6.8MFD 35V 10% S.TANT	3	C1,C2,C3
8		1010274-01	.22 MFD 50V -20+80 Z5U CER	10	C4-C6,C14,C15,C27-C29,C44,C45
9		1012784-00	.047 MFD 50V -20+80 CER	23	C7,C8,C13,C18,C19,C20,C22,C24, CONT C25,C30-C43
10		1013466-12	2200.0 MMF 50V 10%	1	C26
11		1100114-00	D 664 QSV75PCB PIV= 25V SP	11	D4-D8,D11-D16
12		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	2	D9,D10
13		1109502-02	1N 4742A VZ= 12.0 5% 1W	1	D3
14		1110994-00	1N 751A VZ= 5.1 5% .40W	1	D1
15		1114974-00	1N 4741A VZ= 11.0 5% 1W	1	D2
16		1215006-06	SOCKET 24PIN IC LOW PROFILE	5	XE9,XE40,XE45,XE52,XE56
17		1211666-00	SOCKET 18PIN IC LOW PROFILE	1	J2
18		1214063-01	HEADER,150 50POS STRAIGHT	1	J1
19		1214828-00	CONN, 25POS RCPT	1	J4
20		1214829-00	CONN 40POS RT ANGLE	1	J3
21		1215048-01	CONN 7POS RT ANGLE	1	J5
22		1300005-07	R NETWORK 15-4.7K RESISTORS 5% 1	3	E8,E12,E59
23		1300219-00	68 1/4W 5% CC	1	R40
24		1300229-00	100 1/4W 5% CC	1	R34
25		1300250-00	150 1/4W 5% CC	1	R51
26		1300271-00	220 1/4W 5% CC	1	R41
27		1300295-00	330 1/4W 5% CC	3	R1,R46,R47
28		1300315-00	470 1/2W 5% CC	1	R11
29		1300316-00	470 1/4W 5% CC	2	R21,R55

REVISION HISTORY		BASIC PART NO: 5413009		DRN:	T. SHETRAWSKI	DATE:	30-MAR-78	DIGITAL		
ENG	ECD NUMBER	REV	SECTION A OF A	CHK'D:	T. SHETRAWSKI	DATE:	11-MAR-78	TITLE	PARTS LIST	
---	INIT	B	SECTION VARIATION INDEX	CHK'D:	T. SHETRAWSKI	DATE:	11-MAR-78	VT100 BASIC VIDEO		
LT	ML001	C	[A] 00	DES.ENG:	D. PUCCI	DATE:	30-MAR-78	DOCUMENT NUMBER		
R.P	5413009-ML002	D	[B]	RESP.ENG.:	D. PUCCI	DATE:	30-MAR-78	SIZE	CODE	NUMBER
N.F	5413009-ML004	F	[C]	MFG.ENG.:	T. CORCIARI	DATE:	30-MAR-78	K	PL	5413009-0-DBP
R.P	5413009-ML005	H	[D]	ASSEMBLY NUMBER:	E-UA-5413009-0-0	TOP DOCUMENT NUMBER:	VT100	FILE NAME:	Z0211N.PLS	
RP	5413009-PN006	J	[E]	EDIT #					31	
RP	5413009-PN007	K	[F]							
RP	5413009-PN008	L	[H]							
RP	5413009-PN009	M	[J]							
JD	5413009-PN010	N	[K]							
			[L]							
			[M]							
			[N]							

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
30	30		1300365-00	1 K 1/4W 5% CC	1		R36
31	31		1300398-00	1.8 K 1/4W 5% CC	1		R31
32	32		1300417-00	2.2 K 1/4W 5% CC	5		R18,R20,R22,R23,R27
33	33		1300426-00	2.7 K 1/4W 5% CC	1		R7
34	34		1300447-00	4.7 K 1/4W 5% CC	1		R25
35	35		1300479-00	10 K 1/4W 5% CC	4		R2,R6,R12,R26
36	36		1301317-00	10 1/4W 5% CC	1		R57
37	37		1301422-00	7.5 K 1/4W 5% CC	8		R59-R66
38	38		1301424-00	680 1/4W 5% CC	1		R37
39	39		1301425-00	300 1/4W 5% CC	1		R50
40	40		1301475-00	1.1 K 1/4W 5% CC	1		R32
41	42		1301874-00	5.6 K 1/4W 5% CC	1		R9
42	43		1301972-00	270 1/4W 5% CC	1		R38
43	44		1302379-00	75 1/4W 5% CC	4		R35,R45,R52,R54
44	45		1302391-00	20 K 1/4W 5% CC	2		R43,R48
45	47		1303178-00	620 1/4W 5% CC	1		R49
46	48		1303187-00	820 K1/4W 5% CC	1		R8
47	49		1304833-00	1.96 K 1/4W 1% RN55D-F 100PPM	1		R15
48	51		1313580-00	360 1/4W 5% CC	1		R39
49	52		1314673-00	36 1/4 5% CC	1		R53
50	53		1501913-00	2N 2904A PNP 600MW SI 60 40 Y	3		Q2,Q3,Q4
51	54		1503409-00	DEC6534D PNP 310MW SI 40 90	1		Q1
52	55		1509524-00	2N 3904 NPN 310MW SI 40 40 M	1		Q5
53	56		1010694-06	XTAL 24.8832 MHZ	1		Y1
54	57		1814830-00	OSCILLATOR, CRYSTAL 24.073 MHZ	1		E2
55	58		1909686-00	7404 INVERTER GATE-HEX 1I	1		E38
56	59		1909928-00	7416 INVERTER GATE-HEX 1I	2		E14,E18
57	60		1909929-00	7417 BUFFER GATE-HEX 1INP	1		E29
58	61		1910236-00	DEC 7426 NAND GATE-QUAD 2IN,0	1		E7
59	62		1910322-00	DEC 1488L DRIVER,LINE,QUAD,EI	1		E39
60	63		1910548-00	74S157 MUX 1 OF 2 (QUAD)	1		E1
61	64		1912697-00	LS174 FF-D HEX W/CLEAR	2		E49,E61
62	65		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	2		E23,E34
63	66		1912803-00	LS04 INVERTER GATE-HEX 1I	1		E19
64	67		1912815-00	LS30 NAND GATE-SINGLE 8IN	1		E3
65	68		1912818-00	LS38 NAND BUFFER-QUAD 2IN	1		E28
66	69		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	2		E13,E22
67	70		1912842-00	LS138 DECODER-THREE INPUT,	1		E27
68	71		1912843-00	LS139 DECODER, 2 OF 4(DUAL	1		E31
69	72		1912854-00	LS193 COUNTER,SYNCHR,4BIT,	3		E21,E25,E30
70	73		1912863-00	LS273 FF-D OCTAL W/CLEAR	2		E16,E20
71	74		1913105-00	PB 8224C DRIVER/GEN CLOCK F	1		E32
72	75		1913109-00	8228 BUFFER,DATA BASE FOR	1		E36
73	76		1913130-00	DEC 1489A RECEIVER,LINE,QUAD,	2		E37,E44
74	77		1914084-00	74S299 SHIFT REG.,8BIT RIGH	1		E10
75	78		1914156-00	LM 393 VOLT.COMPARATOR DUAL	1		E48
76	79		1914213-00	81LS97 BUFFER GATE-OCTAL 2I	4		E15,E41,E42,E58
77	80		1914214-00	LS374 FF-D OCTAL EDGE TRIG	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	! N !

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
78	81	1914423-50	CUSTOM LSI-BIPOLAR L	1	E6
79	82	1914424-50	CUSTOM LSI-BIPOLAR L	1	E5
80	83	2112623-02	DUAL BAUD RATE GEN/PROG DIVIDER	1	E60
81	84	2113106-01	1K MOS RAM 250NS	2	E11,E17
82	85	2113107-01	P 8251A PUSART COMM. INTERFA	1	E43
83	86	2113108-01	8080A-1 MICROPROCESSOR UNIT	1	E35
84	87	2113937-00	UART 125K BUAD	1	E55
85	88	2114212-00	P 2114-2 RAM,1024X4,STATIC	6	E46,E47,E50,E51,E53,E54
86	89	2114524-00	ROM 100X14BIT,ERASABLE,	1	E24
87	90	23018E2-00	E2-03	1	E4
88	91	9006010-01	SCREW,PAN ,PHIL, 4-40X 5/16	3	
89	92	9006557-00	NUT,KEP , 4-40X 1/4 AF	3	
90	93	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W1,W2
91	94	9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
92	95	23061E2-00	E2-02	1	E56
93	96	23032E2-00	E2-02	1	E52
94	97	23033E2-00	E2-02	1	E45
95	98	23034E2-00	E2-02	1	E40
96	99	1211081-01	CONN TELE 3PIN PLUG	1	
97	100	9107560-01	WIRE,BUSS,22AWG	A/R	
98	101	9107776-66	WIRE(WRAP)22AWG,IPVC UL1429 BL	A/R	
99	102	1001610-00	.01 MFD 50V -20+80 Z5U AXIAL	1	C46
100	103	1301320-00	1.2 K 1/4W 5% CC	1	R30
101	104	1301322-00	180 1/4W 5% CC	1	R33
102	105	1301477-00	92 1/4W 5% CC	1	R42
103	106	1300202-00	47 1/4W 5% CC	1	R44
104	107	1303155-00	21.5 K 1/4W 1% RN55D-F 100PPM	1	R10
105	108	1309412-00	18.2 K 1/4W 1% RN55D-F 100PPM	1	R13
106	109	1609620-00	2.2 UH #RFCS2.2	1	L1
107	110	1002608-00	18.0 MMF 100V 5%200PPM DM15S	1	C47
108	111	9007834-00	TAPE, DOUBLE COATED, 1/2" WIDE,	A/R	

DI	IG	IT	AL	TITLE	SECTION	OF	SIZE	CODE	DOCUMENT NUMBER	REV
				VT100 BASIC VIDEO	A	A	K	PL	5413009-0-DBP	N

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ADVANCED VIDEO CONN.

- A00 H
- A01 H
- A02 H
- A03 H
- A04 H
- A05 H
- A06 H
- A07 H
- A08 H
- A09 H
- A10 H
- A11 H
- A12 H
- A13 H
- A14 H
- A15 H
- DB 00 H
- DB 01 H
- DB 02 H
- DB 03 H
- DB 04 H
- DB 05 H
- DB 06 H
- DB 07 H
- BV4 DMA EN L
- BV4 HOLD REQ H
- BV6 MEM RD L
- BV6 MEM WR L
- BV1 MEM DISABLE L
- BV2 SEL ATT RAM L
- BV2 SEL 8-12K L
- LBA 0 H
- LBA 1 H
- LBA 2 H
- LBA 3 H
- LBA 4 H
- LBA 5 H
- LBA 6 H
- LBA 7 H
- BV4 WRITE LB L
- BV4 CHAR CLK H
- BV1 BOLD L
- BV1 BLINK L
- BV1 UNDERLINE L
- BV1 ALT CHAR SET L
- +5V
- GND
- BV1 ADVANCED VIDEO L



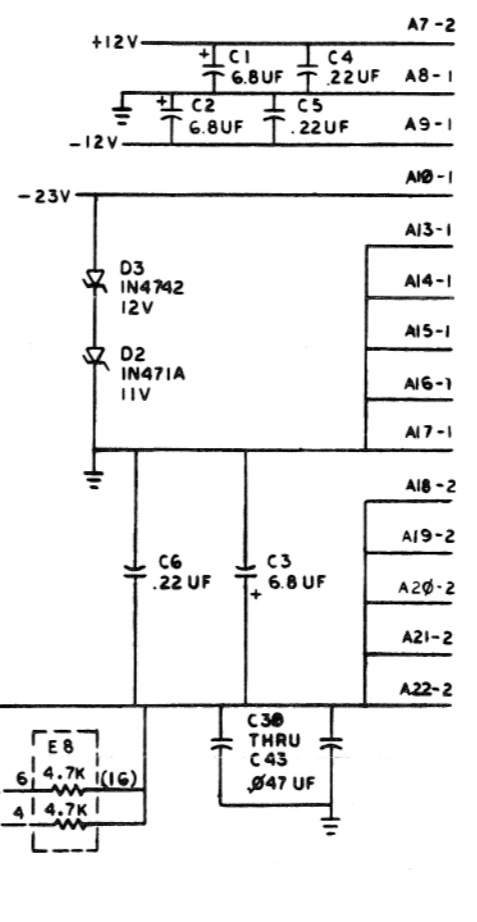
GRAPHICS CONN

- DO 07 H
- DO 06 H
- DO 05 H
- DO 04 H
- DO 03 H
- DO 02 H
- DO 01 H
- DO 00 H
- BV4 HS CLK H
- BV1 GRAPHICS FLAG L
- BV1 GRAPHICS 2 IN L
- BV4 INIT H
- BV4 HORIZ BLANK H
- BV2 GRAPHICS WR L
- BV4 VERT BLANK L
- BV1 GRAPHICS 1 IN L



EDGE CONN

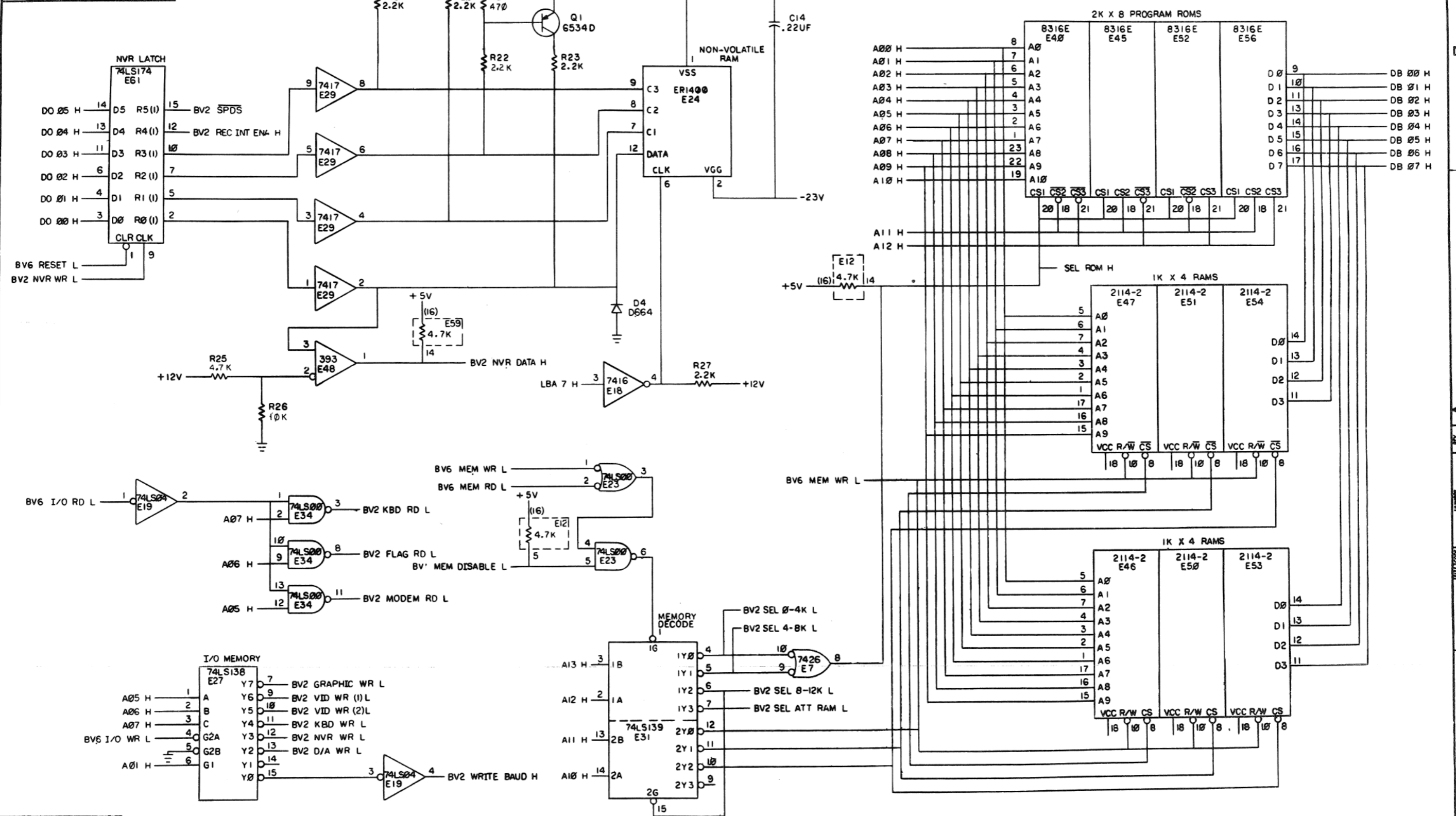
- BV4 HORIZ DRIVE H A1-1
- A2-1
- DIRECT DRIVE VIDEO A3-2
- BV4 VERT DRIVE L A4-2
- LBA 5 H A11-1



REV.	CHK'D	CHANGED BY	DATE
1		B. PUCCI	10-6-78
2		R. PUCCI	11-14-78
3		B. PUCCI	12-14-78
4		R. PUCCI	1-5-79
5		M. LOO3	
6		POWERS	
7		R. PUCCI	

CRN	51-78	FIRST USED ON	VT100
CHK'D	B. PUCCI	TITLE	BASIC VIDEO
ENG'D	B. PUCCI	SIZE	D
PROJ. ENG.	B. PUCCI	CODE	CS
PROD.	B. PUCCI	NUMBER	5413009-0-1
NEXT HIGHER ASSY.		REV.	N
E-UA-5413009-0-0		SHEET	1 OF 6

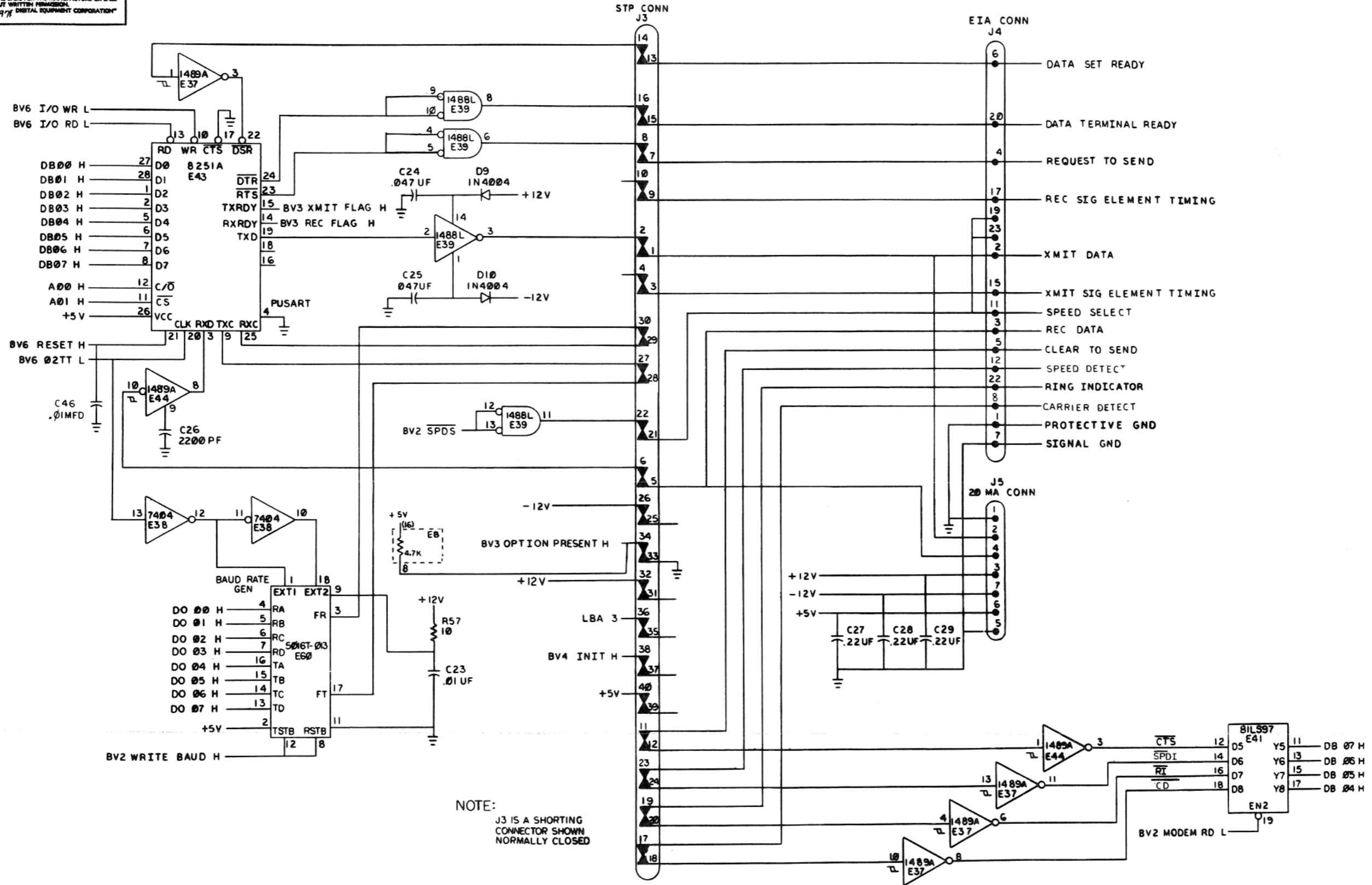
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	VT100 BASIC VIDEO (BV2)	SIZE CODE	DCS 5413009-0-1	NUMBER		REV.	N
SCALE		SHEET	2 OF 6	DIST.			

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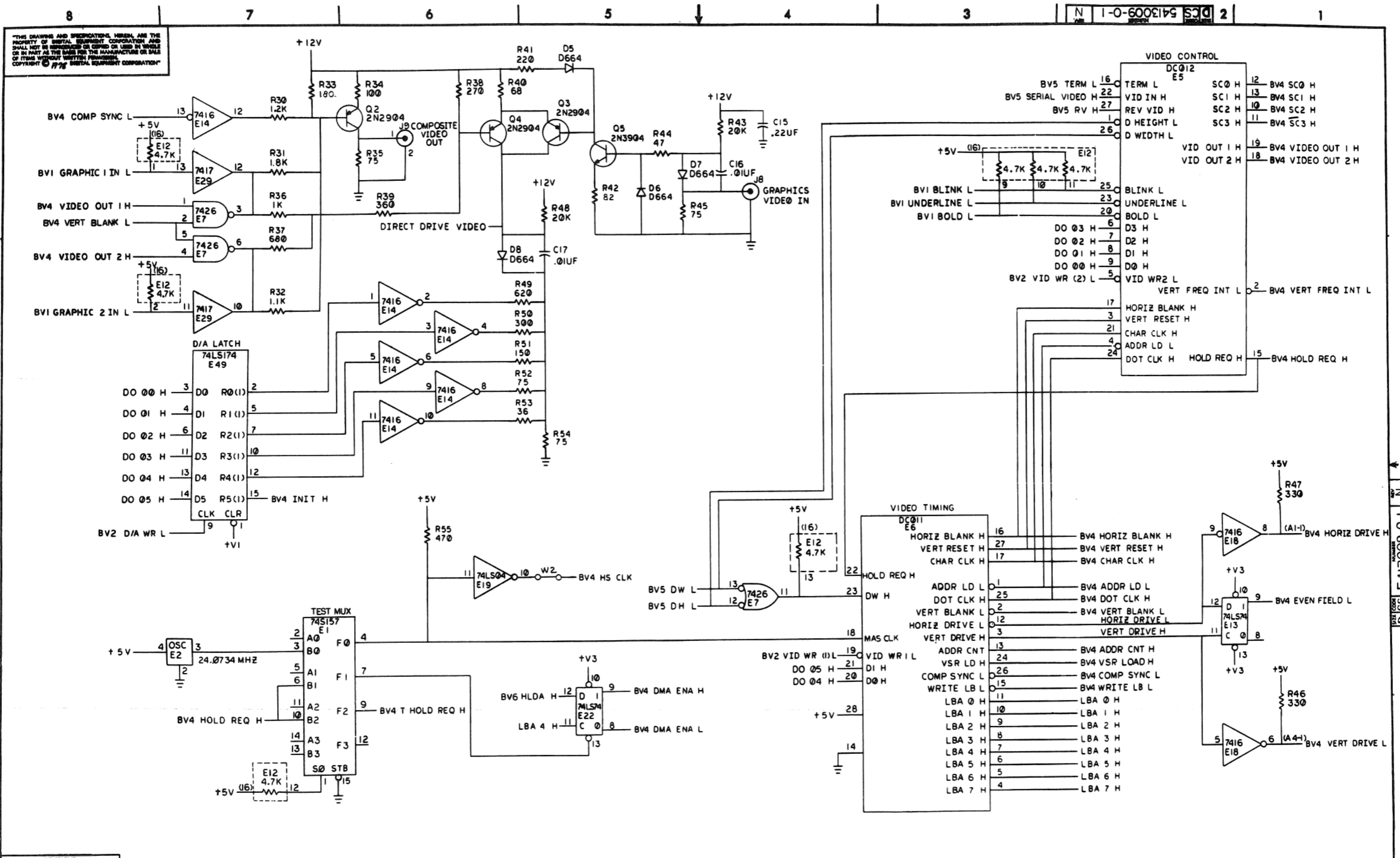
NOTE:
J3 IS A SHORTING
CONNECTOR SHOWN
NORMALLY CLOSED

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	VT100 BASIC VIDEO	SIZE CODE	NUMBER	REV.
SCALE	SHEET 3 OF 6	DIST.	DCS 5413009-0-1	N

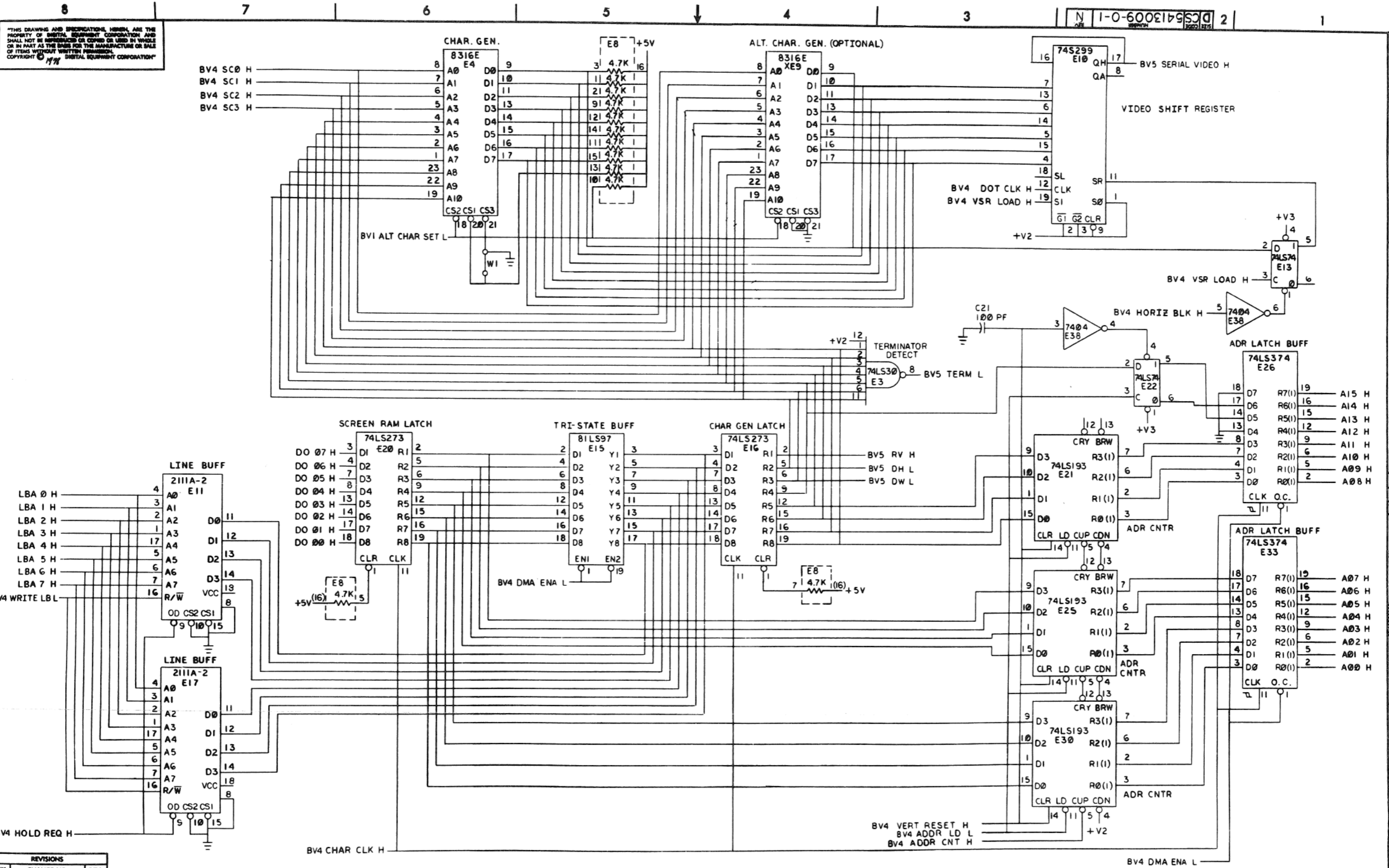
DCS 5413009 0 1 N

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REVISIONS			TITLE		SIZE CODE	NUMBER	REV.
CHK	CHANGE NO.	REV.	VT100 BASIC VIDEO (BV4)		D CS	5413009-0-1	N
			SCALE	SHEET 4 OF 6	DIST.		

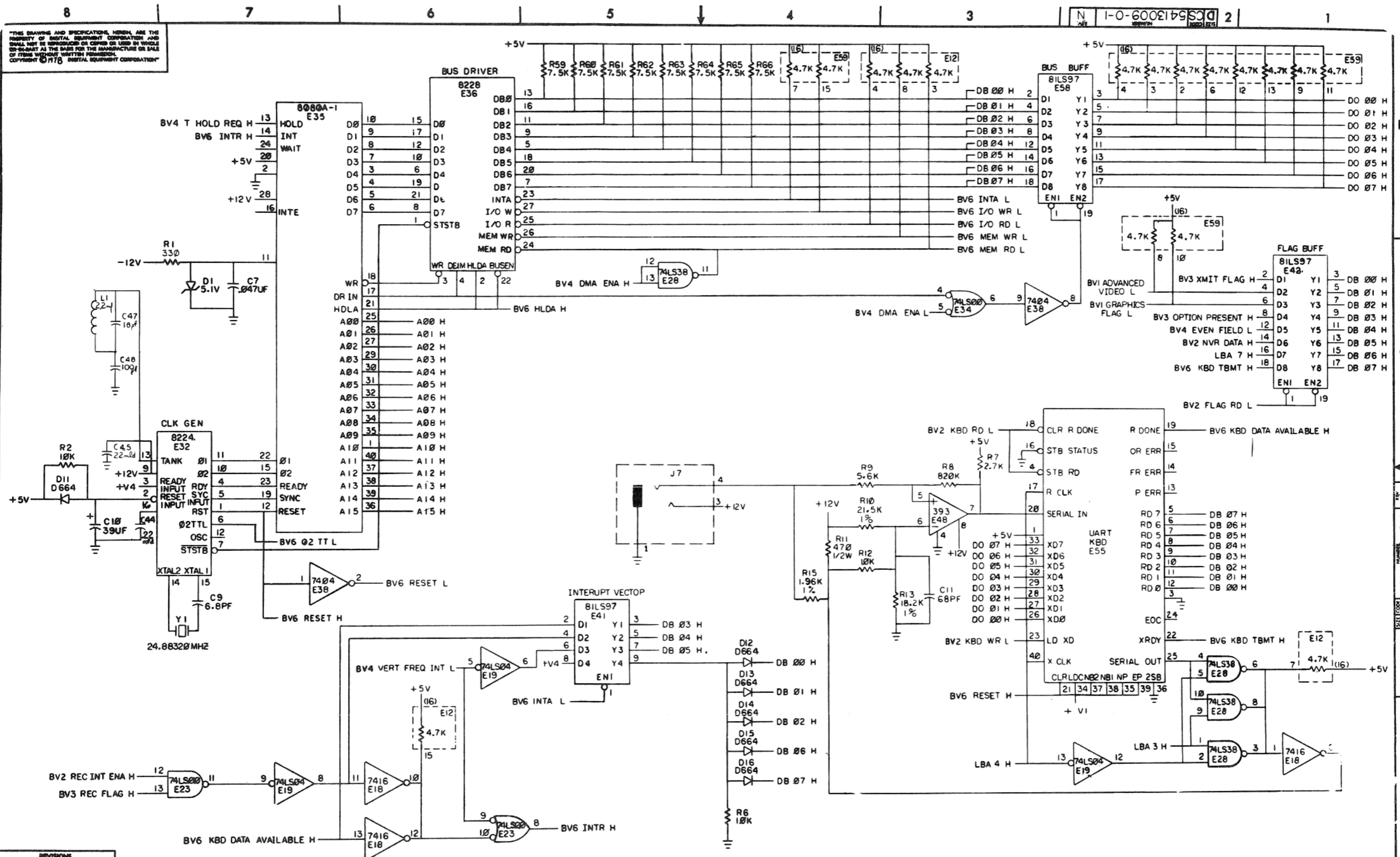
N 1-0-6009-0-1 DCS 5413009-0-1



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	VT100	SIZE CODE	NUMBER	REV.
	BASIC VIDEO (BV5)	DCS	5413009-0-1	N
SCALE	SHEET 5 OF 6	DIST.		

DCS 5413009-0-1 N



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	VT100	SIZE CODE	NUMBER	REV.
	BASIC VIDEO (BV6)	DCS	5413009-0-1	N
SCALE		SHEET	6 OF 6	DIST.

REV. 10/78 DCS 5413009-0-1

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УЛГ ҮББВВВГ

2415888 2015888-82
84V1 POWER SUPPLY

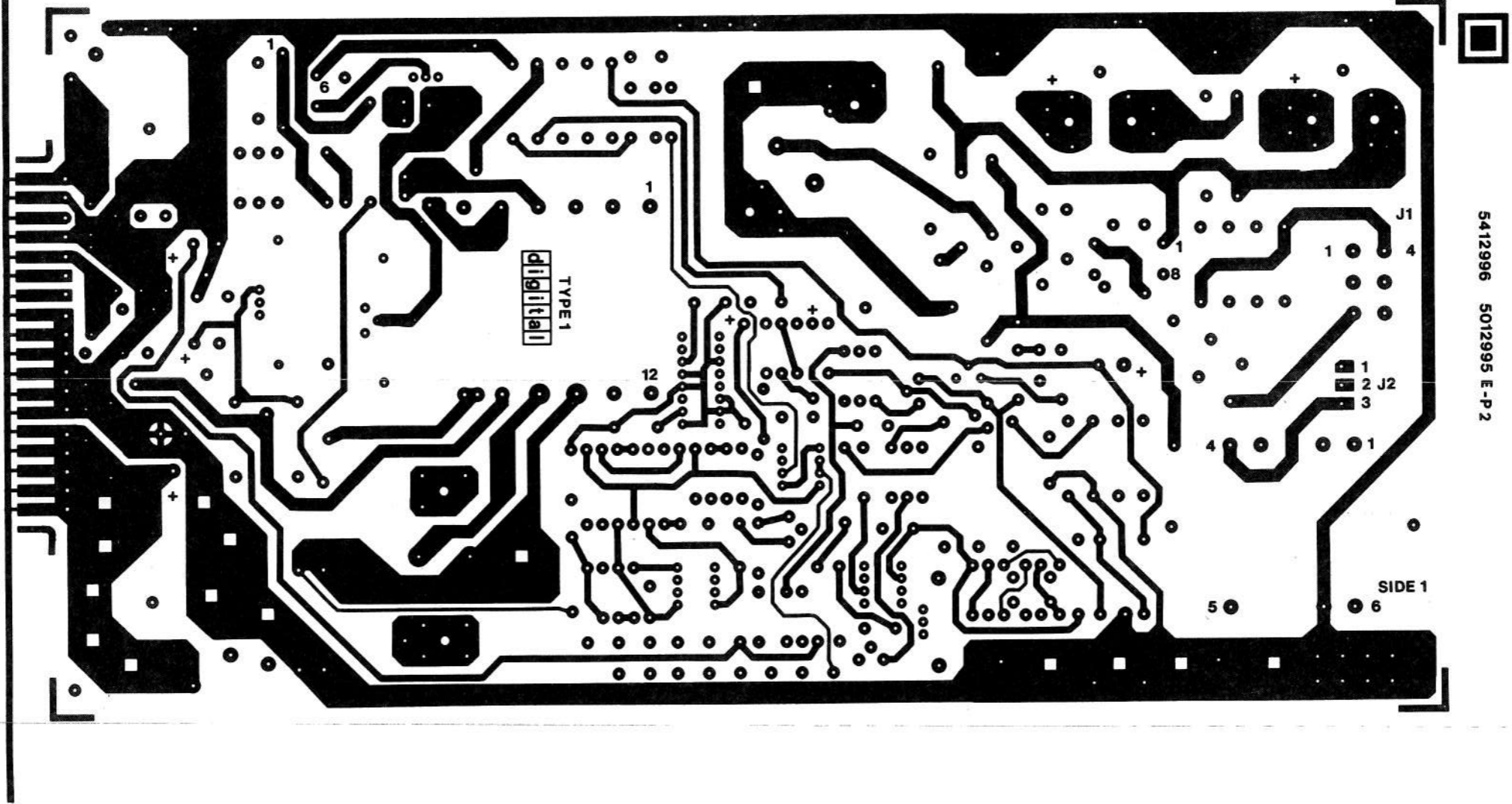
SIDE 2

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	H7831 POWER SUPPLY	SIZE/CODE	DUA 5412996-0-0 H	NUMBER	5412996-0-0 H	REV.	H
SCALE	2/1	SHEET	2 OF 3	DIST.			

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8 7 6 5 4 3 2 1 H 0-0-96215 D UA 5412996-0-0



5412996 5012995 E-P2

U/L APPROVAL

SIDE 1

H 0-0-96215 D UA 5412996-0-0

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	H7831 POWER SUPPLY	SIZE CODE	D UA	NUMBER	5412996-0-0	REV.	H
SCALE	2/1	SHF	3	OF	3	DIST.	

8 7 6 5 4 3 2 1

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	1	E-MD-5012995-0-0	5012995-00 H7831 POWER SUPPLY	1	
2	2	1000009-00	33.0 MMF 100V 5%200PPM DM15S	1	C2
3	3	1000016-00	100.0 MMF 100V 5%200PPM DM15S	3	C5,C15,C16
4	4	1000039-00	.056 MFD 200V 10% 663UW MYLR	1	C1
5	5	1000042-00	1000.0 MMF 100V 5%200PPM DM15S	5	C13,C24,C25,C28,C29
6	6	1000055-00	2200. MMF 250V 20% Y5S DISC	2	C3,C4
7	7	1001610-00	.01 MFD 50V =20+80 Z5U AXIAL	5	C30,C35,C36,C37,C38
8	8	1004812-00	15 MFD 20V 10% S,TANT	1	C34
9	9	1005507-00	1 MFD 100V E% 30D AL EL	1	C22
10	10	1011847-01	.01 MFD 400V 10% POLYPROP	1	C6
11	11	1015202-02	.0033 MFD 1600V 10% POLYPROP	1	C19
12	12	1001776-00	1 MFD 35V 10% S,TANT	1	C17
13	13	1010274-00	.22 MFD 50V =20+80 Z5U CER	4	C8,C10,C11,C12
14	14	1012607-00	560 MFD 20V H% 672D AL EL	1	C26
15	15	1012607-04	270 MFD 40V H% 672D AL EL	1	C20
16	16	1012607-05	20MFD 200V H% 672D AL EL	1	C18
17	17	1013466-11	.22 MFD 50V +80/-20% CER,	4	C21,C23,C27,C32
18	18	1014170-00	2700.0 MMF 100V 1% 70PPM	1	C7
19	19	1014277-00	3800 MFD 6.3V G% AL EL	1	C31
20	20	1014861-00	590 MFD 200V E% AL EL	2	C9,C14
21	21	1014883-00	470 MFD 50V G% AL EL	1	C33
22	22	1100114-00	D 664 QS\75PCB PIV= 25V SP	5	D10,D13,D39,D40,D21
23	23	1105796-00	1N 4004 PIV=400 I= 1A D041 SP	5	D32,D34,D24,D25,D26
24	24	1105873-00	.4M5.1Z1 VZ= 5.1 1% .400W	1	D38
25	25	1109991-01	4M6.8AZ1 VZ= 6.8 1% .40W	1	D15
26	26	1112594-01	A115B PIV=200 I= 3A	1	D31
27	27	1112595-00	A114F PIV= 50 I= 1A	7	D1,D2,D3,D5,D12,D41,D20
28	28	1112595-01	A114B PIV=200 I= 1A	7	D4,D6,D7,D8,D9,D11,D14
29	29	1112595-02	A114M PIV=600 I= 1A	2	D27,D28
30	30	1115529-00	UES2601 PIV=50V I=30A	1	D36

REVISION HISTORY			BASIC PART NO: 5412996		DRN: VIN PARECHANIAN DATE: 2-20-78		D I G I T A L				
ENG	ECD NUMBER	REV	SECTION A OF A	CHKID:	TONY	DATE:	16-MAR-78	TITLE PARTS LIST			
---	INIT	B	SECTION VARIATION INDEX	CHKID:	TONY <td>DATE:</td> <td>16-MAR-78 <td colspan="4">H7831 POWER SUPPLY</td> </td>	DATE:	16-MAR-78 <td colspan="4">H7831 POWER SUPPLY</td>	H7831 POWER SUPPLY			
KH	PN001	C	[A] 00	DES.ENG:	BOB PEDERSEN <td>DATE:</td> <td>7-JUN-78 <td colspan="4">DOCUMENT NUMBER</td> </td>	DATE:	7-JUN-78 <td colspan="4">DOCUMENT NUMBER</td>	DOCUMENT NUMBER			
LK	PN002	D	[B]	RESP.ENG.:	BOB PENDERSON <td>DATE:</td> <td>7-JUN-78 <td>SIZE</td> <td>CODE</td> <td>NUMBER</td> <td>REV</td> </td>	DATE:	7-JUN-78 <td>SIZE</td> <td>CODE</td> <td>NUMBER</td> <td>REV</td>	SIZE	CODE	NUMBER	REV
JB	PN003	E	[C]	MFG.ENG.:	T. CORCIARI <td>DATE:</td> <td>7-JUN-78</td> <td>K</td> <td>PL</td> <td>5412996-0-DBP</td> <td>H</td>	DATE:	7-JUN-78	K	PL	5412996-0-DBP	H
JB	PN004	F	[D]	ASSEMBLY NUMBER:	E-UA-5412996-0-0 <td>TOP DOCUMENT NUMBER:</td> <td>B-DD-5412996-0-0</td> <td colspan="2">FILE NAME:</td> <td>12996H,PLS</td> <td>EDIT #</td>	TOP DOCUMENT NUMBER:	B-DD-5412996-0-0	FILE NAME:		12996H,PLS	EDIT #
EJ	PN005	H	[E]								32
			[F]								
			[H]								
			[J]								
			[K]								
			[L]								
			[M]								
			[N]								

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
31	31		1114602=00	UES1302 PIV=100V I= 4A	2		D29,D33
32	32		1115112=00	A114NX93 PIV=800 I=2A	2		D19,D30
33	33		1115182=00	1N 5626 PIV=600 I= 3A	4		D16,D17,D18,D37
34	34		1115224=00	VOLT,TRANS,SUPPRESS 12,1	1		D35
35	35		1215228=00	HEAT SINK,TO=220,VERTICAL MNT	1		
36	36		1212204=10	HEADER,156 3POS RT ANGLE	1		J2
37	37		1212297=00	*** THIS ITEM IS NOT USED ***	*		
38	38		1212297=05	MATE=N-LOK 6PIN UNIV.	1		J1
39	39		1211987=03	HEAT SINK	1		
40	40		1213921=03	HEAT SINK,TAB MNT SEMI 2,5" HIGH	2		
41	41		1214789=00	INSERT,THREADED 6-32 ,BRASS,ELEC	4		
42	42		1210012=04	HT SINK W/HOLES	1		
43	43		1300219=00	68 1/4W 5% CC	2		R9,R12
44	44		1300249=00	150 1/2W 5% CC	1		R14
45	45		1300271=00	220 1/4W 5% CC	1		R6
46	46		1300288=00	270 2W 10% CC	2		R10,R11
47	47		1300316=00	470 1/2W 5% CC	2		R13,R46
48	48		1300365=00	1 K 1/4W 5% CC	3		R26,R35,R43
49	49		1300417=00	2,2 K 1/4W 5% CC	1		R8
50	50		1300426=00	2,7 K 1/4W 5% CC	1		R23
51	51		1300488=00	12 K 1/4W 5% CC	1		R4
52	52		1300496=00	15 K 1/4W 5% CC	1		R24
53	53		1300536=00	100 K 1W 10% CC	2		R19,R20
54	54		1301317=00	10 1/4W 5% CC	3		R7,R15,R25
55	55		1302091=00	330 K 1/4W 5% CC	2		R30,R51
56	56		1302177=00	47 K 1/4W 5% CC	1		R31
57	57		1302388=00	2 K 1/4W 5% CC	1		R29
58	58		1310867=00	680 K 1/4W 5% CC	1		R33
59	59		1303187=00	820 K1/4W 5% CC	1		R5
60	60		1304833=00	1,96 K 1/4W 1% RN55D=F 100PPM	1		R3
61	61		1304854=00	5,11 K 1/4W 1% RN55D=F 100PPM	4		R32,R41,R48,R49
62	62		1304862=00	1,62 K 1/4W 1% RN55D=F 100PPM	1		R16
63	63		1304868=00	2,74 K 1/4W 1% RN55D=F 100PPM	1		R2
64	64		1305108=00	1,47 K 1/4W 1% RN55D=F 100PPM	1		R39
65	65		1305130=00	*** THIS ITEM IS NOT USED ***	*		
66	66		1309422=00	5,1 1/4W 5% CC	1		R34
67	67		1309595=00	1 M 1/4W 5% CC	3		R36,R40,R42
68	68		1310188=00	300 10W 5% WW	1		R28
69	69		1311338=00	82 3W 5% WW	1		R21
70	70		1305336=00	200 K 1/4W 1% RN55D=F 100PPM	1		R17
71	71		1313014=00	.01 3-3/4W 3% WW	3		R37,R44,R45
72	72		1313191=00	1 K 9W 5% WW	1		R27
73	73		1314187=00	6,19 K 1/4W 1% RN55D=F 100PPM	1		R18
74	74		1314270=00	5 15% THERMISTOR	2		R1,R50
75	75		1314350=00	1 2W 10% WW	2		R22,R47
76	76		1510705=00	XA 05 NPN 500MW SI 60 50 P	2		Q3,Q6
77	77		1510706=00	XA 55 PNP 500MW SI 60 50 P	2		Q4,Q5
78	78		1512782=00	NPN 100W S1325 J5	1		Q7

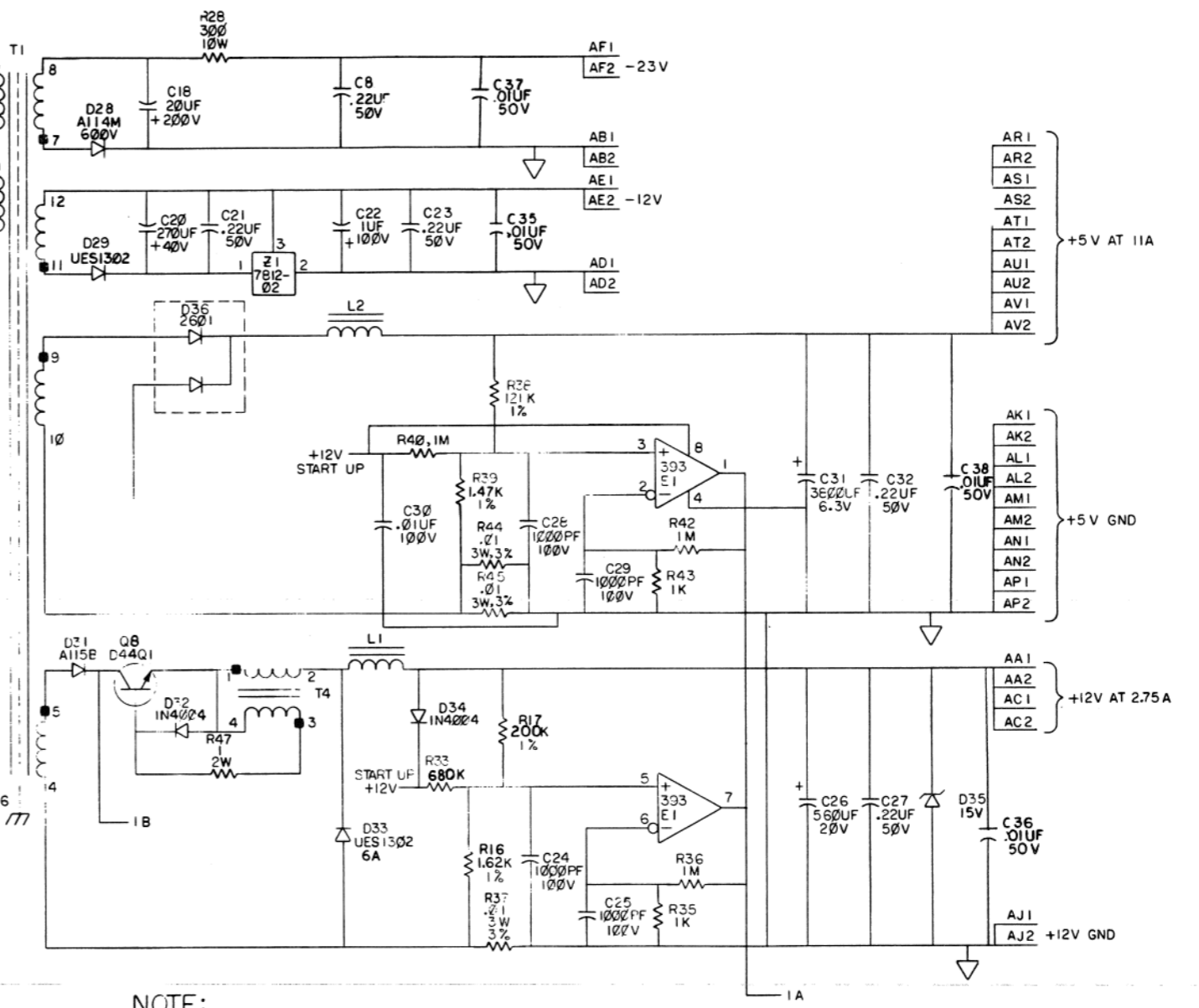
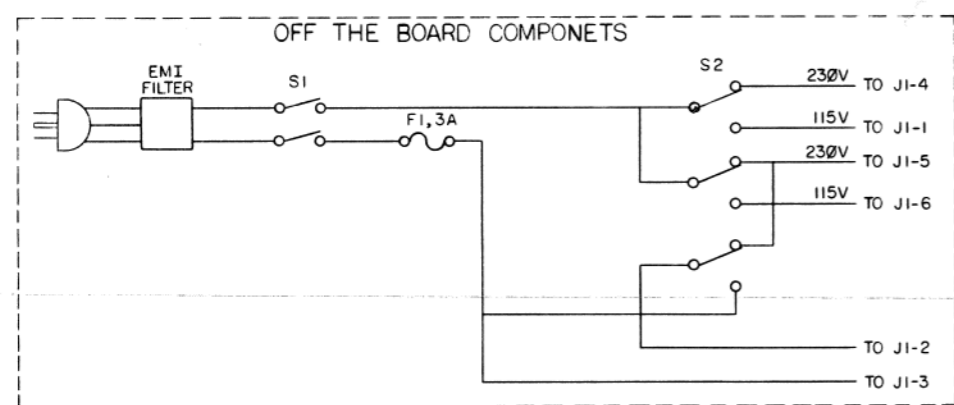
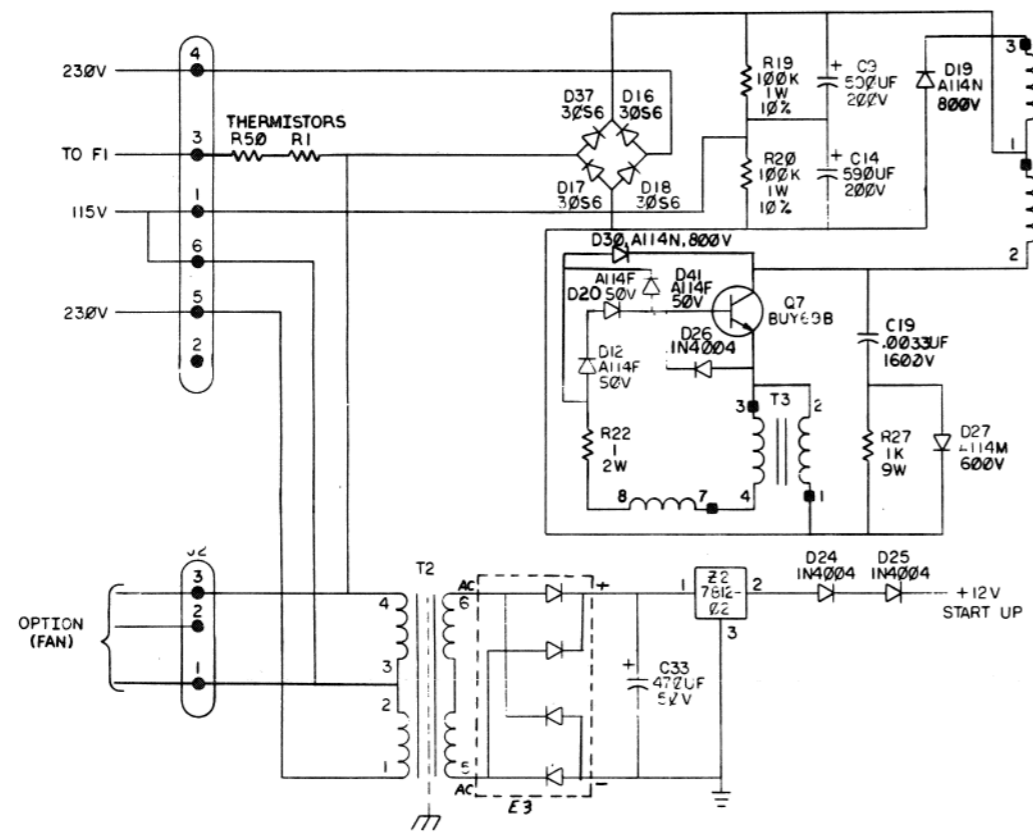
D I G I T A L		TITLE	H7831 POWER SUPPLY	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
					K	PL	5412996=0=DBG	H

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
79	79		1514271-00	D 44Q1 NPN 4WC SI125 20	3	Q1,Q2,Q8
80	80		1614272-00	PULSE XFMR,4 WOUND	1	T3
81	81		1614273-00	PULSE XFMR,TRI-WOUND	1	T4
82	82		1615251-00	42,0 UH VARIABLE L 11A	1	L2
83	83		1615252-00	210,0 UH VARIABLE 2,75A	1	L1
84	84		1615253-00	XFMR P=AB S=25V	1	T2
85	85		1615668-00	XFMR P=245-360V S=5V82,5A	1	T1
86	86		1910282-00	301AN OP AMP	1	E2
87	87		1911944-00	555CN TIMER,FUNCT,BLOCK	1	E4
88	88		1912048-02	DEC 7812-02 VOLT REG,FIXED +12	2	Z1,Z2
89	89		1914156-00	LM 393 VOLT,COMPARATOR DUAL	1	E1
90	90		1914250-00	3524 MODULATOR=REGULATING	1	E5
91	91		3610267-00	DECAL, ADHESIVE BACK =DANGER HIG	1	
92	92		7416423-00	PLASTIC SAFETY COVER	1	
93	93		9006557-00	NUT,KEP , 4-40X 1/4 AF	3	
94	94		9006563-00	NUT,KEP , 8-32 X11/32AF	2	
95	95		9006633-00	WASHER,LOCK,INT,.2800D X .146ID	2	
96	96		9007906-00	*** THIS ITEM IS NOT USED ***	-	
97	97		9008172-00	WASHER, FLAT,SS ,250 OD X .125 I	4	
98	98		9009950-01	*** THIS ITEM IS NOT USED ***	-	
99	99		9006660-00	WASHER, FLAT, .375 O.D. X .187 I	4	
100	100		9007793-01	SCREW,PAN ,PHIL, 6-32X 9/16	4	
101	101		9007801-00	WASHER, LOCK, S.S. #6	4	
102	102		9007985-00	SPACER, HEX, ALUM, 6-32, .250 X	2	
103	103		9008079-00	WASHER, FLAT FIBER OD, 1/4	4	
104	104		9008212-00	SCREW, NYLON, SLTD PAN HD, 6-32	4	
105	105		9008301-01	*** THIS ITEM IS NOT USED ***	-	
106	106		9009236-01	SCREW,TAPPING,TYPE F,PAN ,PHIL,	4	
107	107		9009516-06	*** THIS ITEM IS NOT USED ***	-	
108	108		9009676-00	TERM LUG 1POS SOLDER	1	
109	109		9009795-00	SCREW, SEMS, SLOTTED PAN HD 10-	4	
110	110		9009798-00	SPACER, CERAMIC, .186 ODX,078 ID	10	
111	111		9107350-44	*** THIS ITEM IS NOT USED ***	-	
112	112		1300197-00	33 1/4W 5% CC	1	R52
113	113		1302466-00	100 K 1/4W 5% CC	1	R53
114	114		1305255-00	121 K 1/4W 1% RN55D=F 100PPM	1	R38
115	115		1001765-00	5000,0 MMF 100V 20% Z5U DISC	1	C39
116	116		1115369-00	VH 18 PIV=100 I=1A	1	E3
117	117		9006010-01	SCREW,PAN ,PHIL, 4-40X 5/16	3	
118	118		9009769-00	WASHER, RECTANGULAR ,405X,225X,0	1	

0 NOTE: SEE E-UA-5412996-0-0 FOR ADDITIONAL INSERTION INFORMATION

D	I	C	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							H7831 POWER SUPPLY		K	PL	5412996-0-DBP	H

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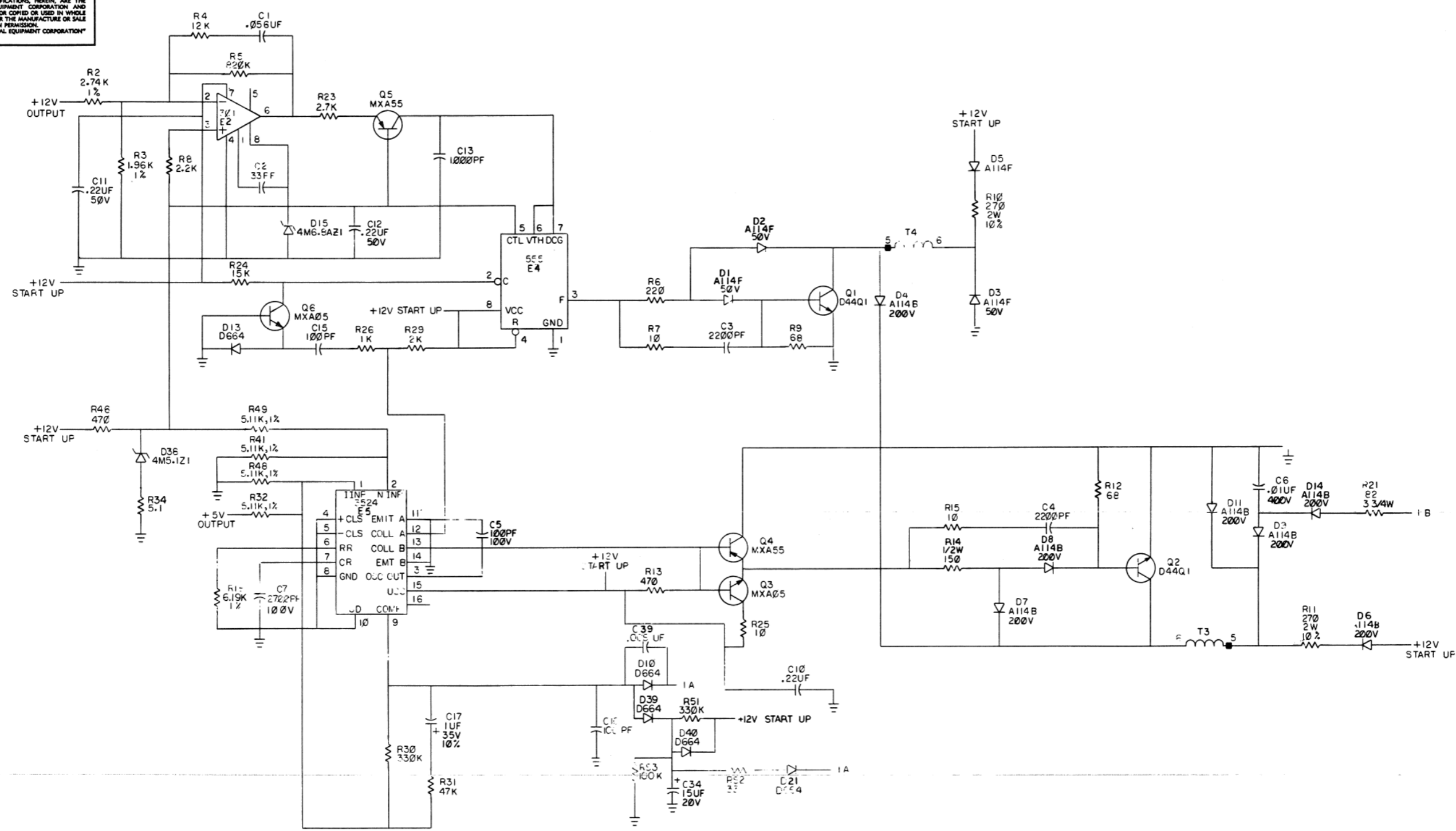


NOTE:
 1 UNLESS OTHERWISE INDICATED
 ALL RESISTORS ARE 1/4W, 5%.

REV.	CHG. NO.	BY	DATE
1	5412996-PN001	C	10/16/77
2	5412996-PN002	D	10/16/77
3	5412996-PN003	E	10/16/77
4	5412996-PN004	F	10/16/77
5	5412996-PN005	H	10/16/77
6	5412996-PN006	J	10/16/77
7	5412996-PN007	K	10/16/77
8	5412996-PN008	L	10/16/77
9	5412996-PN009	M	10/16/77
10	5412996-PN010	N	10/16/77
11	5412996-PN011	O	10/16/77
12	5412996-PN012	P	10/16/77
13	5412996-PN013	Q	10/16/77
14	5412996-PN014	R	10/16/77
15	5412996-PN015	S	10/16/77
16	5412996-PN016	T	10/16/77
17	5412996-PN017	U	10/16/77
18	5412996-PN018	V	10/16/77
19	5412996-PN019	W	10/16/77
20	5412996-PN020	X	10/16/77
21	5412996-PN021	Y	10/16/77
22	5412996-PN022	Z	10/16/77
23	5412996-PN023	AA	10/16/77
24	5412996-PN024	AB	10/16/77
25	5412996-PN025	AC	10/16/77
26	5412996-PN026	AD	10/16/77
27	5412996-PN027	AE	10/16/77
28	5412996-PN028	AF	10/16/77
29	5412996-PN029	AG	10/16/77
30	5412996-PN030	AH	10/16/77

DRN. P. Koppal	8-18-77	FIRST USED ON	H7831
CHK'D	8-20-77	TITLE	H7831
ENGR	8-22-77		POWER SUPPLY
PROJ. ENGR	8-22-77		
PROOF	8/22/77		
NEXT HIGHER ASSY.		SIZE CODE	NUMBER
B-DD-5412996-0		D CS	5412996-0-1
SCALE	++	REV.	H
SHEET	1 OF 2	DIST.	

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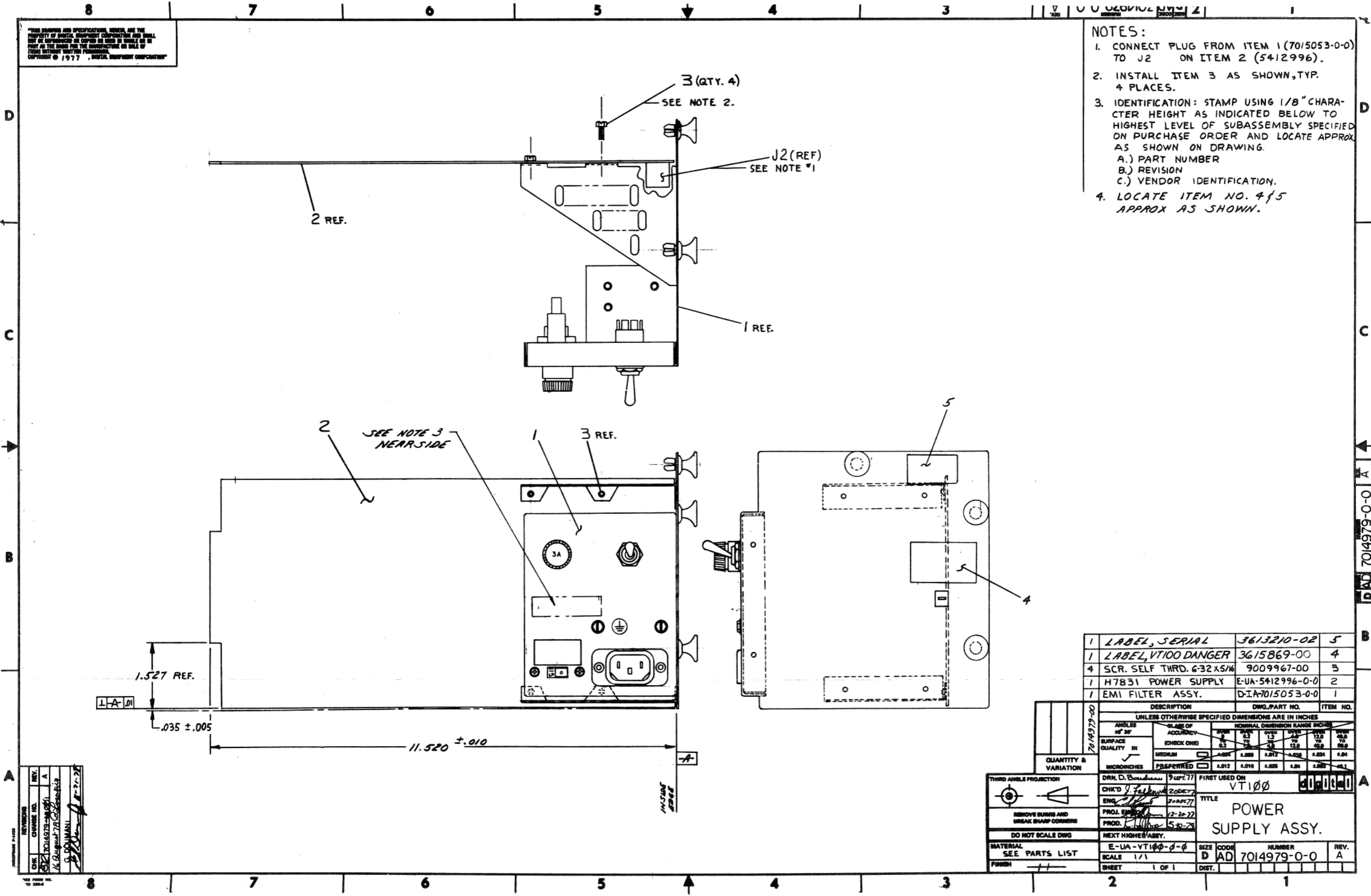
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	H7831 POWER SUPPLY	SIZE CODE	D CS	NUMBER	5412996-Q-1	REV.	H
SCALE	1:1	SHEET	2	OF	2	DIST.	

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NOTES:

1. CONNECT PLUG FROM ITEM 1 (7015053-0-0) TO J2 ON ITEM 2 (5412996).
2. INSTALL ITEM 3 AS SHOWN, TYP. 4 PLACES.
3. IDENTIFICATION: STAMP USING 1/8" CHARACTER HEIGHT AS INDICATED BELOW TO HIGHEST LEVEL OF SUBASSEMBLY SPECIFIED ON PURCHASE ORDER AND LOCATE APPROX AS SHOWN ON DRAWING.
 A.) PART NUMBER
 B.) REVISION
 C.) VENDOR IDENTIFICATION.
4. LOCATE ITEM NO. 4 & 5 APPROX AS SHOWN.



QTY	DESCRIPTION	DWG. PART NO.	ITEM NO.
1	LABEL, SERIAL	3613210-02	5
1	LABEL, VT100 DANGER	3615869-00	4
4	SCR. SELF THRD. 6-32x5/16	9009967-00	3
1	H7831 POWER SUPPLY	E-UA-5412996-0-0	2
1	EMI FILTER ASSY.	D-IA-7015053-0-0	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES																									
ANGLES OF 30°	GLASS OF ACCURACY																								
SURFACE QUALITY IN	MICRONICHES																								
<table border="1"> <tr> <th>NOMINAL DIMENSION RANGE INCHES</th> <th>FINISH</th> <th>FINISH</th> <th>FINISH</th> <th>FINISH</th> <th>FINISH</th> </tr> <tr> <td>0.000 - 0.125</td> <td>0.125 - 0.250</td> <td>0.250 - 0.375</td> <td>0.375 - 0.500</td> <td>0.500 - 1.000</td> <td>1.000 - 2.000</td> </tr> <tr> <td>0.000</td> <td>0.012</td> <td>0.010</td> <td>0.008</td> <td>0.004</td> <td>0.001</td> </tr> </table>	NOMINAL DIMENSION RANGE INCHES	FINISH	FINISH	FINISH	FINISH	FINISH	0.000 - 0.125	0.125 - 0.250	0.250 - 0.375	0.375 - 0.500	0.500 - 1.000	1.000 - 2.000	0.000	0.012	0.010	0.008	0.004	0.001	<table border="1"> <tr> <td>0.000</td> <td>0.012</td> <td>0.010</td> <td>0.008</td> <td>0.004</td> <td>0.001</td> </tr> </table>	0.000	0.012	0.010	0.008	0.004	0.001
NOMINAL DIMENSION RANGE INCHES	FINISH	FINISH	FINISH	FINISH	FINISH																				
0.000 - 0.125	0.125 - 0.250	0.250 - 0.375	0.375 - 0.500	0.500 - 1.000	1.000 - 2.000																				
0.000	0.012	0.010	0.008	0.004	0.001																				
0.000	0.012	0.010	0.008	0.004	0.001																				

THIRD ANGLE PROJECTION

REMOVE BURS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

DRN. D. Boudreau 9 SEP 77

CHK'D J. Falkner 20 DEC 77

ENG. J. Falkner 20 DEC 77

PROL. E. Falkner 12-22-77

PROD. E. Falkner 5-10-78

NEXT HIGHER ASSY.

E-UA-VT100-d-d

SCALE 1/1

SHEET 1 OF 1

FIRST USED ON

VT100

TITLE

POWER SUPPLY ASSY.

SIZE CODE

D AD 7014979-0-0

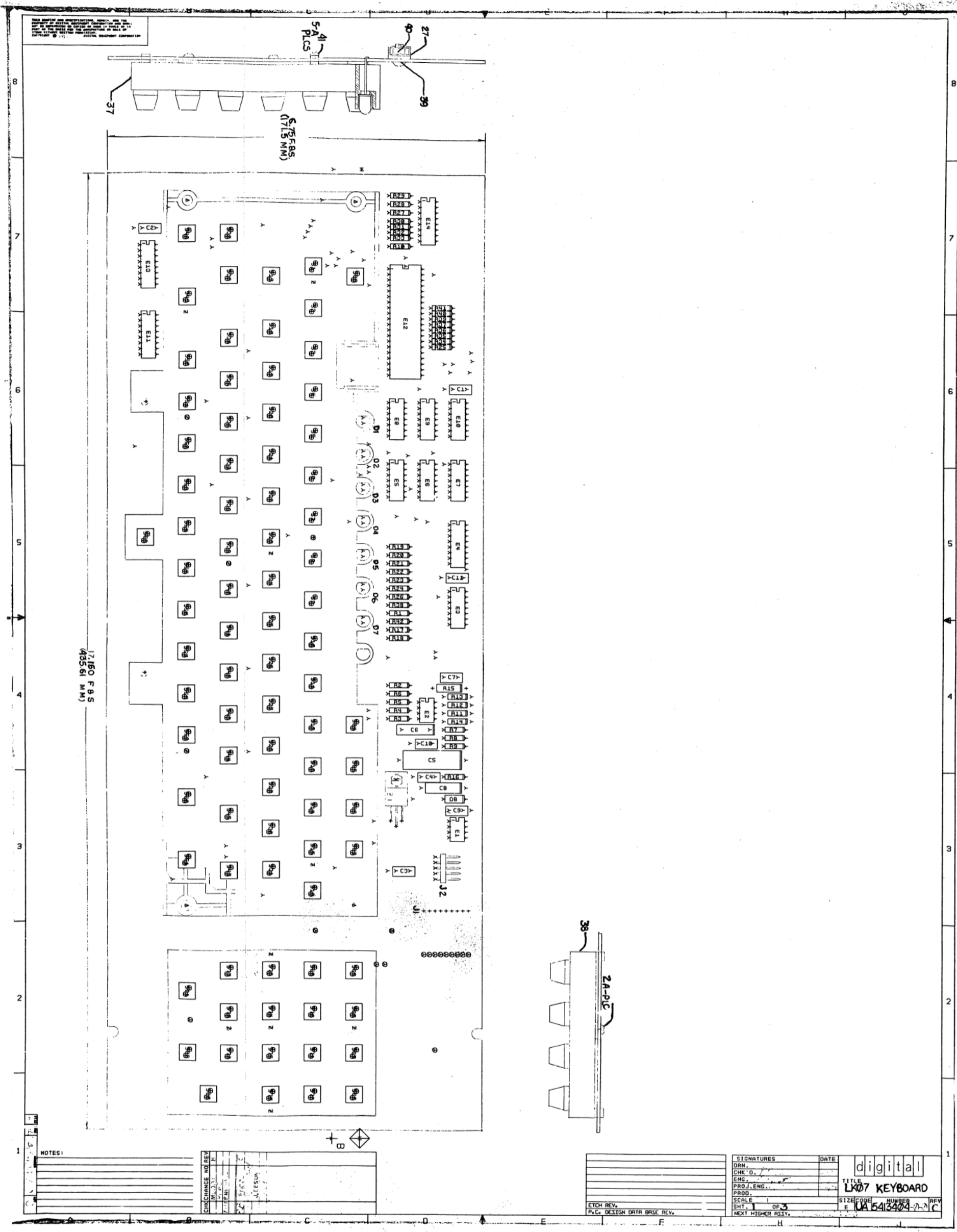
NUMBER

REVISION

A

REV.	CHANGED BY	DATE
A	J. Falkner	12-22-77

D AD 7014979-0-0 A



17150 F8 S
(435.61 MM)

NOTES:

CHANGE NO	REV	DATE	BY	CHK'D

ETCH REV.	
PLC DESIGN DATA BASE REV.	

SIGNATURES	DATE
DRN.	
CHK'D.	
ENG.	
PROJ. ENG.	
PROD.	
SCALE	
SMT.	
NEXT HIGHER ASST.	

digital
TITLE
LK07 KEYBOARD
SIZE/CODE
NUMBER
E 10A5413404-7-C
REV

8

7

6

5

4

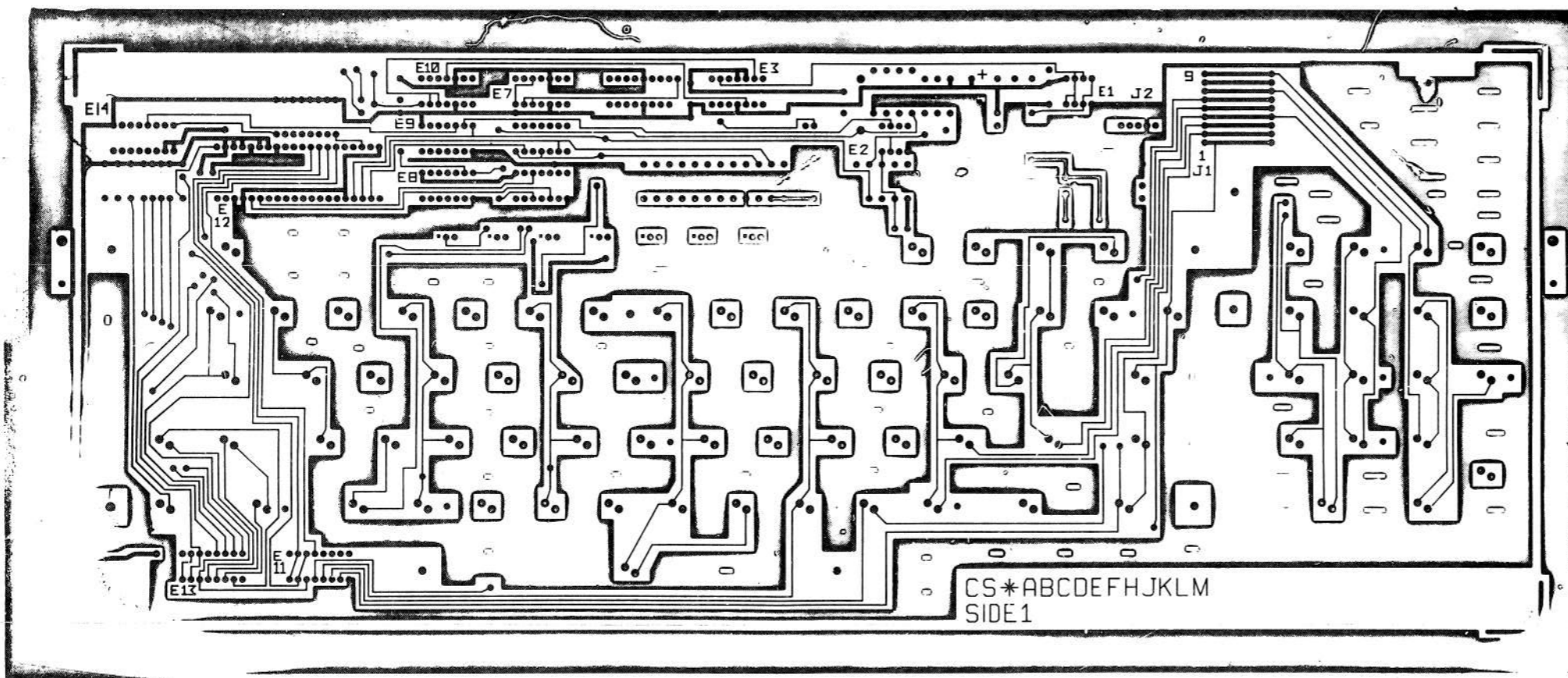
3

2

1

1979

5413404
5013403C-PI  L1

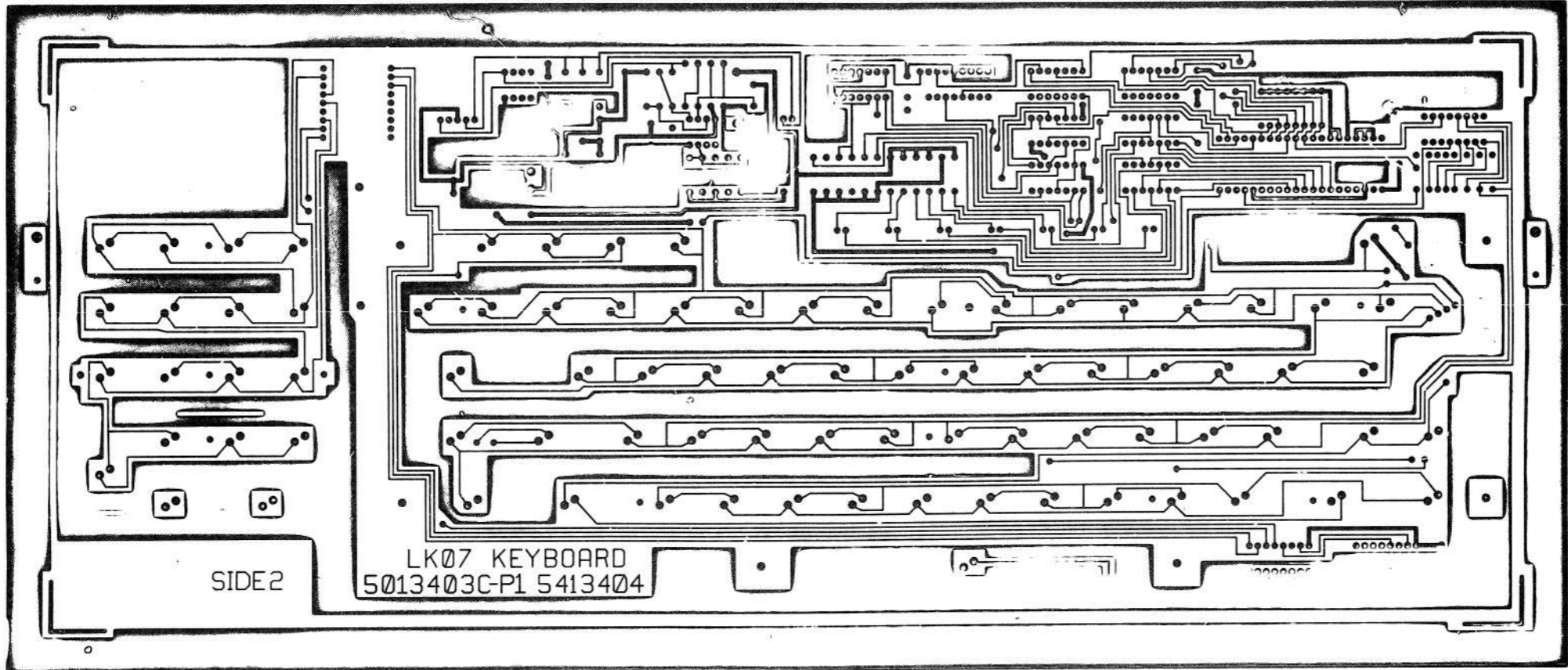


CS*ABCDEFGHIJKLM
SIDE 1

LK07 KEYBOARD

EUA 5413404-0-0

C



LK07 KEYBOARD
5013403C-P1 5413404

SIDE 2

L2

LK07 KEYBOARD
2 1 3 3 3
E UA 541340400 C

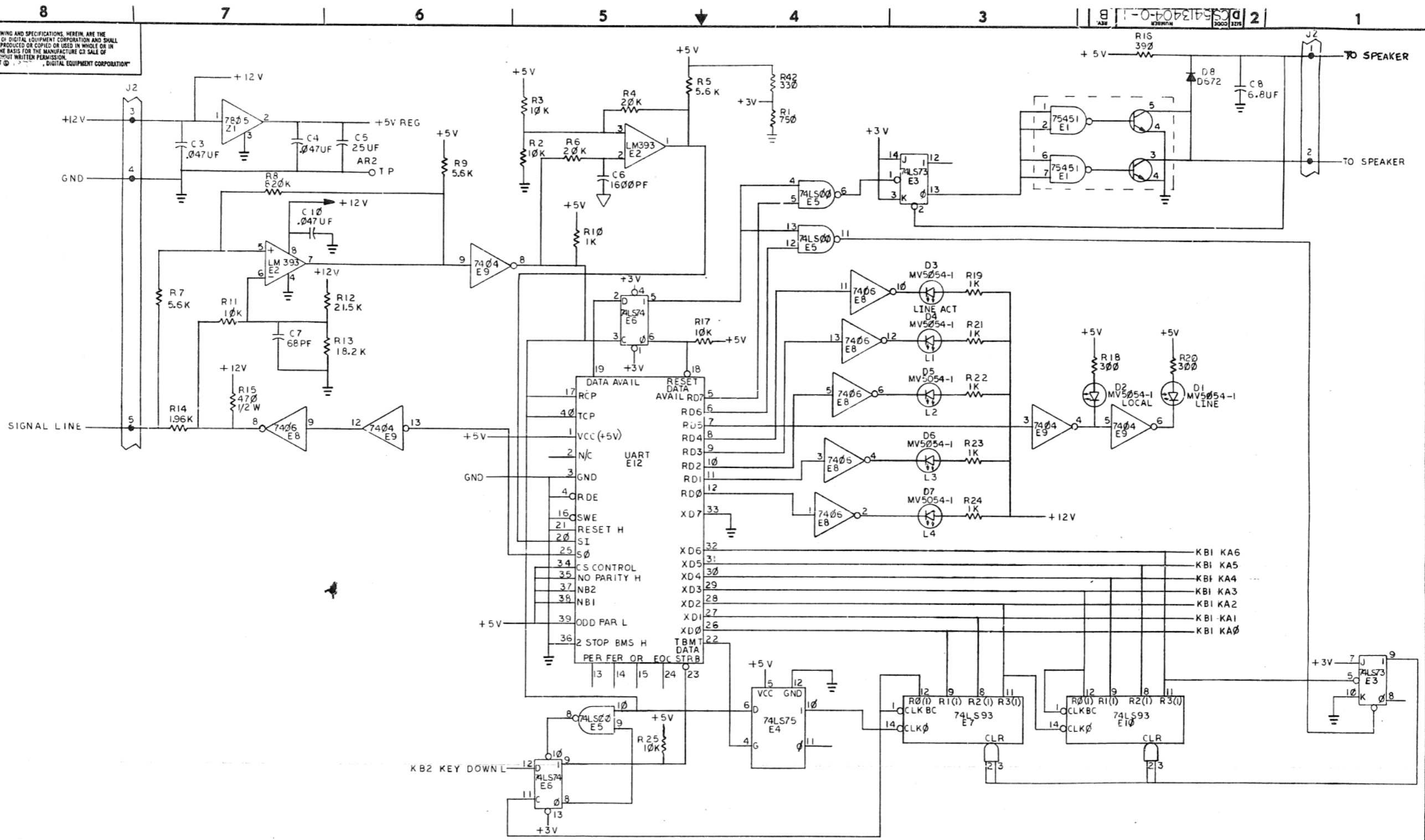
5013403C-P1 5413404

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
1	1	D-MD-5013403-0-0	5013403-00	DRILL & ETCH DRAWING	1	
2	2		1000011-00	47.0 MMF 100V 5%200PPM DM15S	1	C7
3	3		1000075-00	25 MFD 25V 6% 30D AL EL	1	C5
4	4		1001634-00	1600.0 MMF 100V 5%200PPM DM02S	1	C6
5	5		1005306-00	6.8MFD 35V 10% S.TANT	1	C8
6	6		1012784-00	.047 MFD 50V -20+80 CER	7	C1,C2,C4,C9,C10,C11,C3
7	7		1105275-00	D 672 TR= 15NS PIV= 60V SI	1	D8
8	8		1110324-00	LED 1MCD@10MA PIV=3	7	D1-D7
9	9		1215048-00	CONN 5POS RT ANGLE	1	J2
10	10		1300309-00	390 1/4W 5% CC	2	R16,R42
11	11		1300315-00	470 1/2W 5% CC	1	R15
12	12		1300365-00	1 K 1/4W 5% CC	6	R10,R19,R21-R24
13	13		1300439-00	3.3 K 1/4W 5% CC	9	R26-R33,R38
14	14		1300479-00	10 K 1/4W 5% CC	11	R2,R3,R17,R25,R34-R37,R39-R41
15	15		1301401-00	750 1/4W 5% CC	1	R1
16	16		1301425-00	300 1/4W 5% CC	2	R18,R20
17	17		1301874-00	5.6 K 1/4W 5% CC	3	R5,R7,R9
18	18		1302391-00	20 K 1/4W 5% CC	2	R4,R6
19	19		1303155-00	21.5 K 1/4W 1% RN55D-F 100PPM	1	R12
20	20		1303187-00	820 K1/4W 5% CC	1	R8
21	21		1303312-00	10.0 K 1/4W 1% RN55D-F 100PPM	1	R11
22	22		1304833-00	1.96 K 1/4W 1% RN55D-F 100PPM	1	R14
23	23		1309412-00	18.2 K 1/4W 1% RN55D-F 100PPM	1	R13
24	24		1909686-00	7404 INVERTER GATE-HEX 1I	1	E9
25	25		1910406-00	75451 DRIVER,PERIPH,DUAL,	1	E1
26	26		1910741-00	7406 INVERTER GATE-HEX 1I	1	E8
27	27		1912536-00	DEC 7805 VOLT.REG.FIX	1	Z1
28	28		1912649-00	LS75 LATCH 4BIT,BISTABLE	1	E4
29	29		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	1	E5

REVISION HISTORY		BASIC PART NO: 0400000		DRN:	T. SHETRAWSKI	DATE:	30-MAR-78	D I G I T A L		
ENG!	ECO NUMBER	REV	SECTION A OF A	CHK'D:	T. SHETRAWSKI	DATE:	30-MAR-78	TITLE	PARTS LIST	
---	INIT	A	SECTION,VARIATION INDEX	CHK'D:	T. SHETRAWSKI	DATE:	30-MAR-78	VT 100 FULL KEYBOARD		
R.P!	5413404-ML001	B	[A] 00							
			[B]							
			[C]	DES.ENG:	M. MORGESTERN	DATE:	30-MAR-78			
			[D]							
			[E]							
			[F]	RESP.ENG.:	M. MORGESTERN	DATE:	30-MAR-78	DOCUMENT NUMBER		
			[G]							
			[H]					SIZE!CODE!	NUMBER	REV
			[I]					K ! PL !	5413404-0-DBP	B
			[J]	MFG.ENG.:	T. CORCIARI	DATE:	30-MAR-78			
			[K]							
			[L]	ASSEMBLY NUMBER:				FILE NAME:	EDIT #	
			[M]					13404B.PLS	10	
			[N]	D-UA-5413404-0-0						

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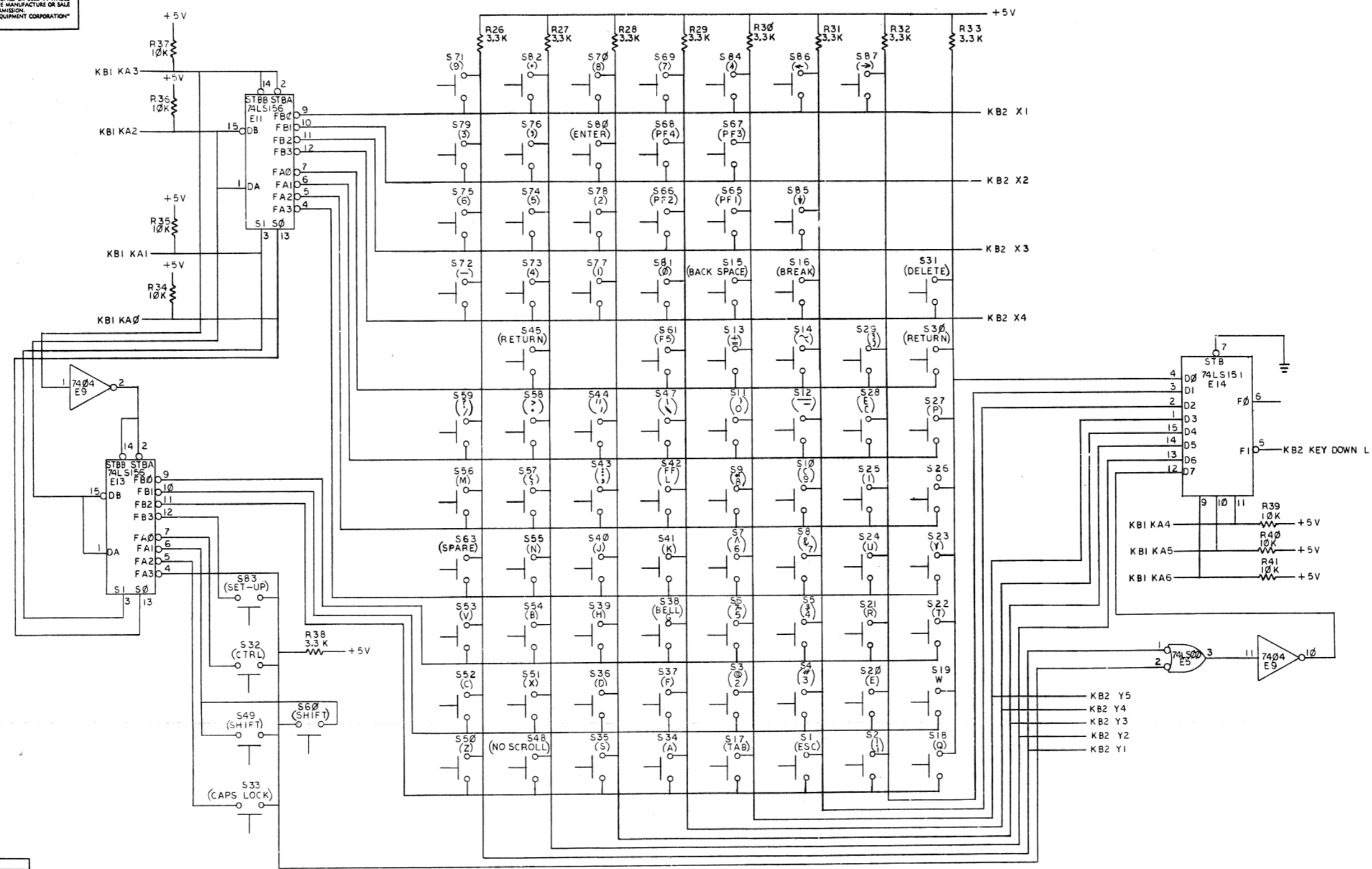


REV.	CHANGE NO.	DATE	BY
B			

M.L. COI
 P. NICHOLLS
 R. PUCCI

DRN: 292077	FIRST USED ON: VT100
CHK'D: [Signature]	TITLE: VT100 FULL KEYBOARD (KBI)
ENG'D: [Signature]	SIZE: D
PROJ. ENG: [Signature]	CODE: CS5413404-0-1
PROF. [Signature]	NUMER: B
NEXT HIGHER ASSY:	SCALE: 1/16"
D-00-5413404-0-0	SHEET OF 3

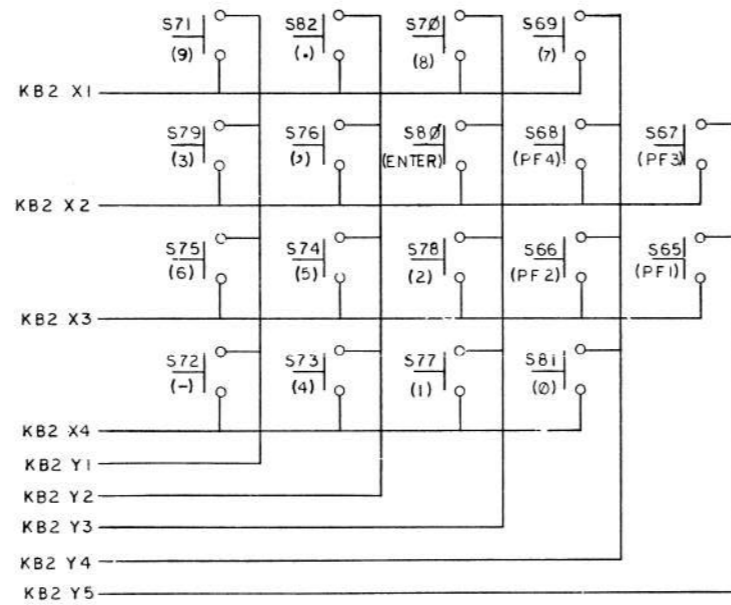
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	VT100 FULL KEYBOARD (KB2)	SIZE/CODE	DCS 5413404-0-1	NUMBER	B	REV.	
SCALE		SHEET	2 OF 3	DIST.			

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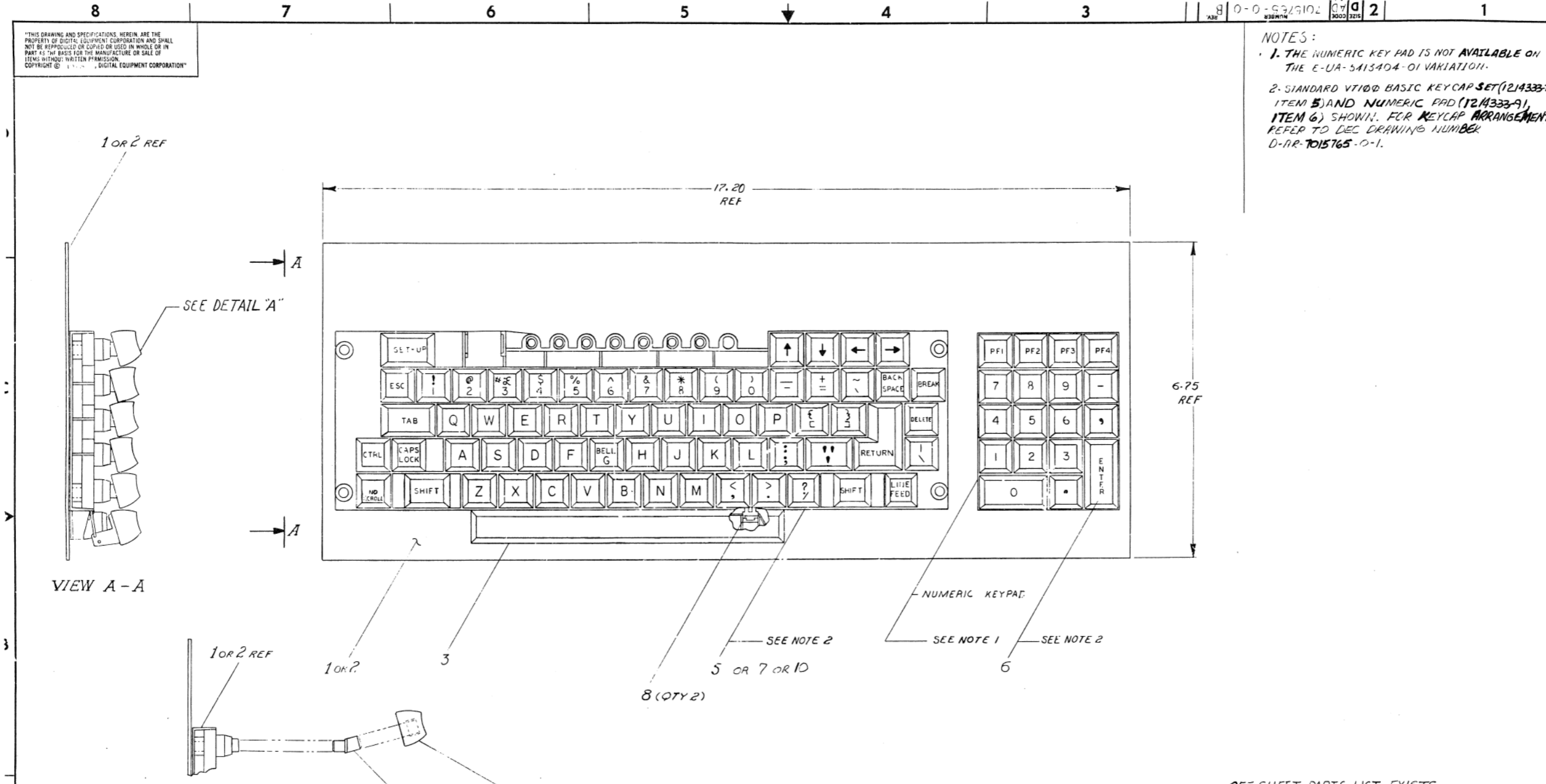
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	VT100 FULL KEYBOARD (KB3)	SIZE	D	NUMBER	CS5413404-0-1	REV.	B
SCALE	---	SHEET	3	OF	3	DIST.	

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NOTES:

1. THE NUMERIC KEY PAD IS NOT AVAILABLE ON THE E-UA-5A13A04-01 VARIATION.
2. STANDARD VT100 BASIC KEY CAP SET (12/14333-72, ITEM 5) AND NUMERIC PAD (12/14333-A), ITEM 6) SHOWN. FOR KEYCAP ARRANGEMENTS REFER TO DEC DRAWING NUMBER D-AR-7015765-0-1.



VIEW A-A

DETAIL 'A'

OFF SHEET PARTS LIST EXISTS
SEE C-PL-7015765-0-0

REV. 1	CHG. 1	NO. 1
REV. 2	CHG. 1	NO. 1
REV. 3	CHG. 1	NO. 1
REV. 4	CHG. 1	NO. 1

W. WICKEN
L. KING
1-8-79

THIRD ANGLE PROJECTION	DESCRIPTION	DWG. PART NO.	ITEM NO.
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
REMOVE BURRS AND BREAK SHARP CORNERS	ANGLES 60° 90°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
	QUALITY IN	(CHECK ONE)	OVER 0 TO 1.0 OVER 1.0 TO 4.0 OVER 4.0 TO 12.0 OVER 12.0 TO 40.0 OVER 40.0 TO 80.0
DO NOT SCALE DWG	MICROINCHES	PREFERRED	±.004 ±.008 ±.012 ±.016 ±.024 ±.04
	MATERIAL	SEE PARTS LIST	±.017 ±.016 ±.025 ±.04 ±.063 ±.1
FINISH NONE	SCALE	NONE	
	SHEET	1 OF 1	
FIRST USED ON		VT100	
TITLE		KEY BOARD / KEY CAP ASSY	
MATERIAL		SIZE	REV.
SEE PARTS LIST		E AD	B

NUMBER 1 REV. 1

4

3

2

1

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ITEM NO.	DWG. NO/PART NO.	DESCRIPTION	7015765	7015765	7015765	7015765
1	E-AD-5413404-00-0	KEYBOARD ASSY (82 KEY)	1	-	1	1
2	E-AD-5413404-01-0	KEYBOARD ASSY (64 KEY)	-	1	-	-
3	C-AD-7015050-00-0	SPACE BAR ASSY	1	1	1	1
4	C-FS-1214332-00	ADAPTER KEYCAP	83	55	83	83
5	1214333-72	KEYCAP SET (BASIC SET VT100)	1	1	-	-
6	1214333-91	KEYCAP SET (BASIC NUM. PAD)	1	-	-	-
7	1214333-C0	DECFORM KEY CAP SET	-	-	1	-
8	C-MD-7420120-00-0	CLIP, EQUALIZER BAR	2	2	2	2
9	D-AR-7015765-0-1	KEYCAP ARRANGEMENT (MAIN&NUMERIC)	REF	REF	REF	REF
10	1214333-J0	WORD PROCESSING KEY CAP SET	-	-	-	1

REV. A	7015765-ML001
REV. B	7015765-ML002

DEC FORM NO. DRC 110 A

4

3

2

1

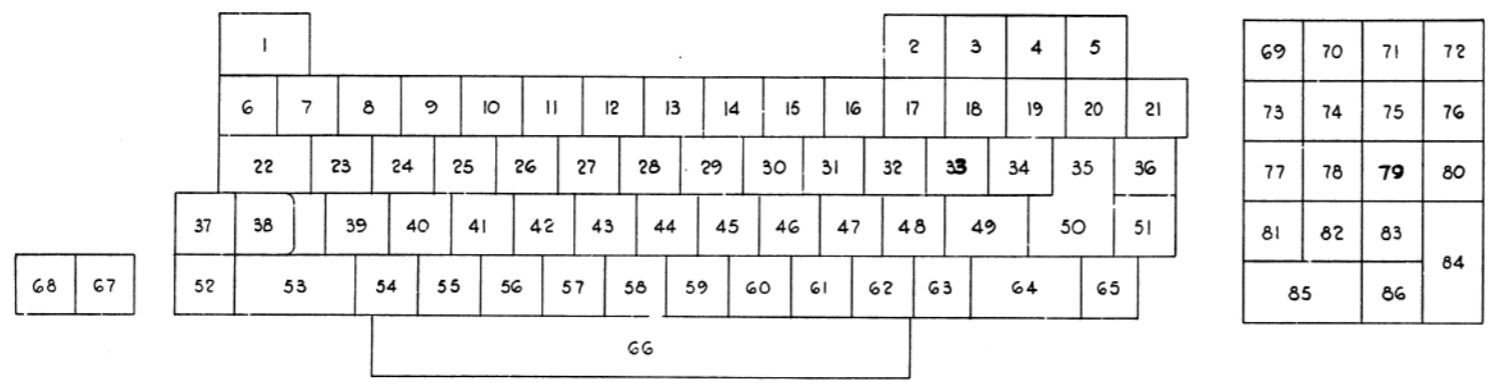
DRN. ANGEL COLON	APR 3 1978	FIRST USED ON	VT100
CHK'D D. EEALY	APR 7	TITLE	KEYBOARD/KEYCAP ASSEMBLY
ENG. [Signature]	APR 7	SIZE	C
PROJ. ENG. [Signature]	APR 7	CODE	PL
PROD. [Signature]	APR 7	NUMBER	7015765-0-0
NEXT HIGHER ASSY.	D-AD-7015765-0-0	REV.	3
SCALE	1/1	DIST.	
SHEET 1	OF 1		

REV. NO. NUMBER SIZE CODE

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NOTES:

1. 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	REV.
CHANGE NO.	
DATE	
BY	
CHK	
APP	
L. KING	
1-8-79	

THIRD ANGLE PROJECTION 	DESCRIPTION	CW: 1/PART NO.	ITEM NO.
	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES		
QUANTITY & VARIATION	ANGLES 45°/30°	CLASS OF ACCURACY	MUN. DIMENSION RANGE INCHES
	SURFACE QUALITY IN	(CHECK ONE)	OVER 0 TO 0.2 OVER 0.2 TO 0.5 OVER 0.5 TO 1.0 OVER 1.0 TO 2.0 OVER 2.0 TO 4.0 OVER 4.0 TO 12.0 OVER 12.0 TO 40.0 OVER 40.0 TO 80.0
REMOVE BURRS AND BREAK SHARP CORNERS	MEDIUM	<input type="checkbox"/>	±.004 ±.008 ±.012 ±.016 ±.024 ±.04
	PREFERRED	<input type="checkbox"/>	±.012 ±.016 ±.025 ±.04 ±.063 ±.1
DO NOT SCALE DWG	NEXT HIGHER ASSY.	FIRST USED ON	
MATERIAL	D-AD-7015765-0-0	SIZE	CODE
FINISH	SCALE NONE	D	AR 7015765-0-1
	SHEET OF 2	DIST.	

SEC FORM NO. 880 100-C

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

KEYBOARD CAP-POSITIONS (SEE SHEET 1)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
VT100 (1214333-72) BASIC (1214333-91)	46	67	68	69	70	47	25	26	27	28	29	30	31	32	33	34	35	36	37	44	45	40	15	21	05	16	18	23	19	09	13	14	38	39	43	48	50	42	01	17	04	06	07	08	10	65	66	53	52	51	71	41	24	22	03	20	02	12	11	54	55	56	41	49	-	-	87	88	89	90	80	81	82	83	77	78	79	84	74	75	76	86	73	85																
LA120 (1214333-64) BASIC (1214333-91)	46	59	62	60	61	47	25	26	27	28	29	30	31	32	33	34	35	36	37	44	45	40	15	21	05	16	18	23	19	09	13	14	38	39	43	48	50	42	01	17	04	06	07	08	10	57	58	53	52	51	63	41	24	22	03	20	02	12	11	54	55	56	41	49	-	-	87	88	89	90	80	81	82	83	77	78	79	84	74	75	76	86	73	85																
LA34 (1214333-91) BASIC (1214333-95)	46	92	92	62	61	47	25	26	27	28	29	30	31	32	33	34	35	36	37	44	45	40	15	21	05	16	18	23	19	09	13	14	38	39	43	48	50	42	01	17	04	06	07	08	10	65	66	53	52	51	63	41	24	22	03	20	02	12	11	54	55	56	41	49	94	93	87	88	89	90	80	81	82	83	77	78	79	84	74	75	76	86	73	85																
VT100 - NA - NB DECFORM (1214333-C)	46	96	97	98	99	47	25	26	27	28	29	30	31	32	33	34	35	36	37	44	45	40	15	21	05	16	18	23	19	09	13	14	38	39	43	48	50	42	01	17	04	06	07	08	10	65	66	53	52	51	71	41	24	22	03	20	02	12	11	54	55	56	41	A1	-	-	A2	A3	A4	A5	B7	B8	B9	A7	B4	B5	B6	A8	B1	B2	B3	B0	A6	A9																
VT100 - WA - WB WORD PROC (1214333-J)	46	E8	E9	F0	F1	47	25	26	27	28	29	30	31	32	33	34	E4	E5	E6	E7	45	40	D8	21	05	D9	E0	23	19	09	13	E1	E2	39	D6	E3	D0	A2	D1	D1	D2	D3	08	10	65	D4	E3	D5	D7	71	41	24	22	C1	C2	C3	C4	C5	C6	C9	C7	A1	C9	-	-	F2	F3	F4	F5	F6	F7	F8	F9	H0	H1	H2	H3	H4	H5	H6	H9	H7	H8																	

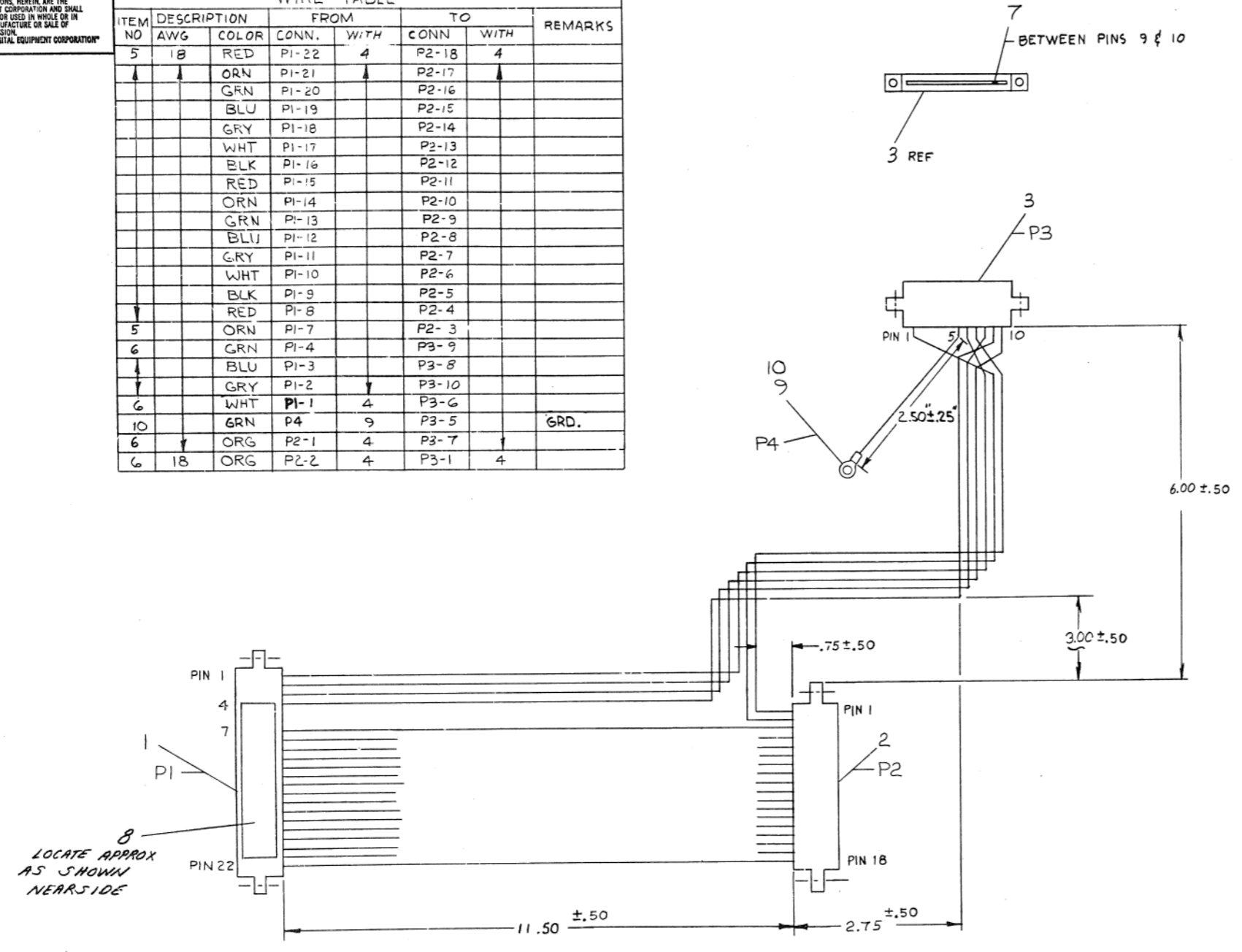
REVISIONS		
CHK.	CHANGE NO.	REV.

TITLE	KEYBD CAP-POSITION ARRANGEMENT	SIZE	10.5 x 14.5	NUMBER	DAR 7015765-C-1	REV.	A
SCALE	NONE	SHEET	2 OF 2	DIST.			

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WIRE TABLE						
ITEM NO	DESCRIPTION	FROM	TO	REMARKS		
NO	AWG	COLOR	CONN.	WITH	CONN.	WITH
5	18	RED	PI-22	4	P2-18	4
		ORN	PI-21		P2-17	
		GRN	PI-20		P2-16	
		BLU	PI-19		P2-15	
		GRY	PI-18		P2-14	
		WHT	PI-17		P2-13	
		BLK	PI-16		P2-12	
		RED	PI-15		P2-11	
		ORN	PI-14		P2-10	
		GRN	PI-13		P2-9	
		BLU	PI-12		P2-8	
		GRY	PI-11		P2-7	
		WHT	PI-10		P2-6	
		BLK	PI-9		P2-5	
		RED	PI-8		P2-4	
5		ORN	PI-7		P2-3	
6		GRN	PI-4		P3-9	
		BLU	PI-3		P3-8	
6		GRY	PI-2		P3-10	
		WHT	PI-1	4	P3-6	
10		GRN	P4	9	P3-5	GRD.
6		ORG	P2-1	4	P3-7	
6	18	ORG	P2-2	4	P3-1	

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.
 A.) PART NUMBER
 B.) REVISION
 C.) VENDOR IDENTIFICATION
 D.) DATE, CODE

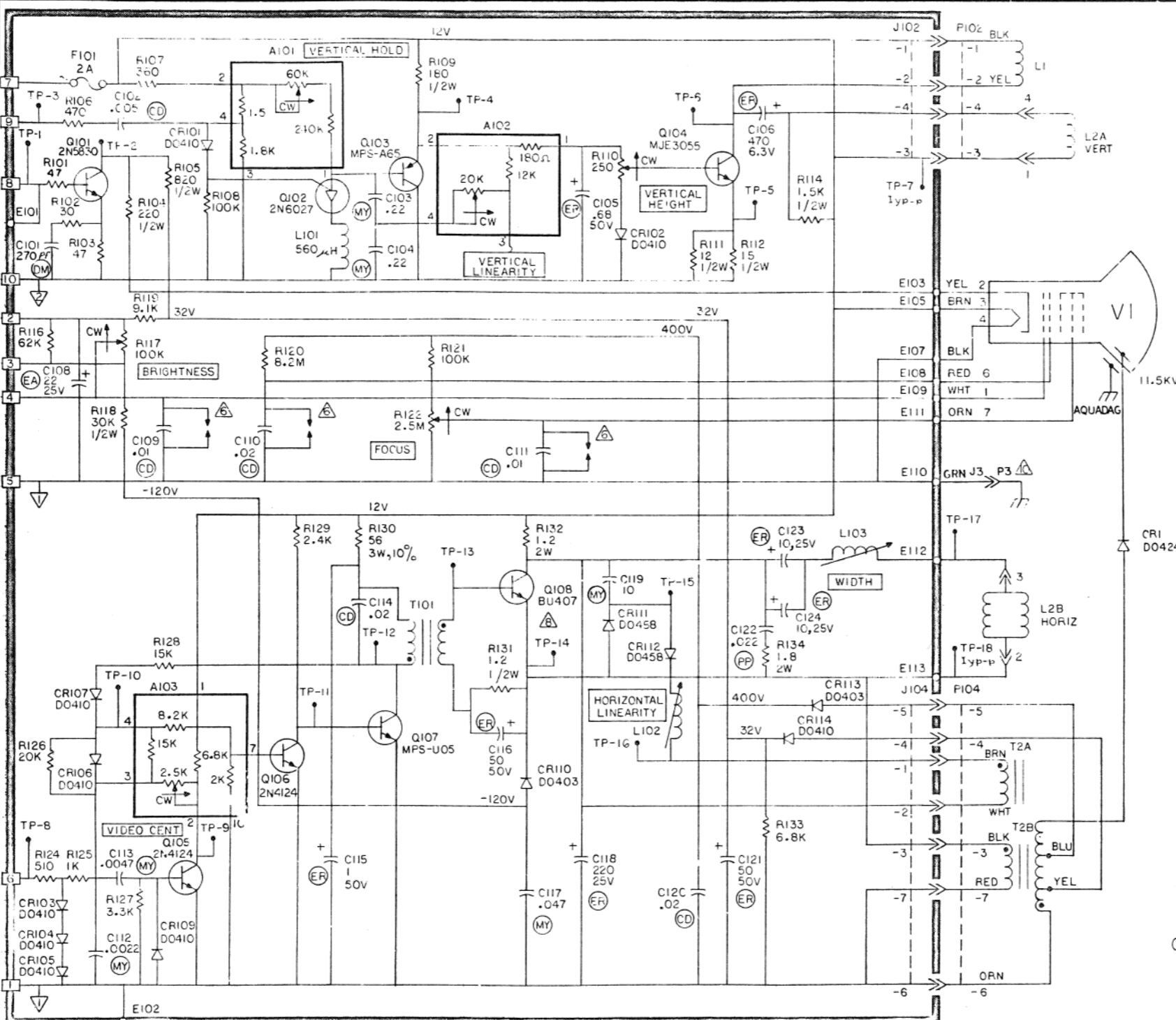


QTY	DESCRIPTION	DWG./PART NO.	ITEM NO.
44	CABLE, STRANDED (GRN)	9107360-55	10
1	RING, TERMINAL	9007929-00	9
1	LABEL, IDENTIFICATION	3615300-00	8
1	PLUG, KEY	1213909-00	7
1	CABLE, 6 COND. FLAT	1700125-00	6
1	CABLE, 16 COND. FLAT	1700125-01	5
44	PIN, CRIMP	1213806-02	4
1	CONN. HOUSING (10 PIN) (P3)	1213803-00	3
1	CONN. HOUSING (18 PIN) (P2)	1213803-01	2
1	CONN. HOUSING (22 PIN) (PI)	1213803-02	1

REV.	CHANGE NO.	DATE	BY	CHK.
1	1	12-13-79	J. BITTO	

THIRD ANGLE PROJECTION	DRN. J. BITTO 12/13/79	FIRST USED ON	VT100
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D BY K. GARY 12/13/79	TITLE	POWER CABLE ASSY
DO NOT SCALE DWG	ENG. J. BITTO 12/13/79	SIZE	D
MATERIAL SEE PARTS LIST	PROD. E. GARY 5/10/78	CODE	IA
FINISH		NUMBER	7014973-0-1
		REV.	A

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- GENERAL NOTES: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS 1/4W, 5%, VALUE IN OHMS.
 2. ALL CAPACITOR VALUES IN MICROFARADS. FOR CAPACITOR TYPES, SEE NOTE NO. 1.
 3. [Symbol] DENOTES JIG/PC CARD EDGE CONNECTOR.
 4. [Symbol] DENOTES CONNECTION TO OFF BOARD COMPONENTS.
 5. REFERENCE DESIGNATIONS NOT USED: J103, C107, CR118, R101, R113, R115, R123
- LAST REFERENCE DESIGNATION USED: R134, C124
- PROTECTIVE ARC CAPS ARE AN INTEGRAL PART OF FRIMTED WIRE BOARD.
- THE FWB CIRCUIT GROUNDS ARE BROUGHT OUT SEPARATELY TO PINS 1, 5 AND 10 OF J101. FWB CIRCUIT GROUNDS FOR PINS 1 AND 5 OF J101 ARE CONNECTED TOGETHER BY A JUMPER WIRE ON THE BOARD AND ARE CONNECTED TO CHASSIS GROUND VIA A WIRE FROM E110.
- [Symbol] DENOTES HEATSINK
- [Symbol] = DIPPED MICA
- [Symbol] = CERAMIC DISC
- [Symbol] = MYLAR
- [Symbol] = ELECTROLYTIC AXIAL
- [Symbol] = ELECTROLYTIC RADIAL
- [Symbol] = POLYPROPYLENE
- [Symbol] GROUNDED TO AQUADAG OF CRT BY SPRING

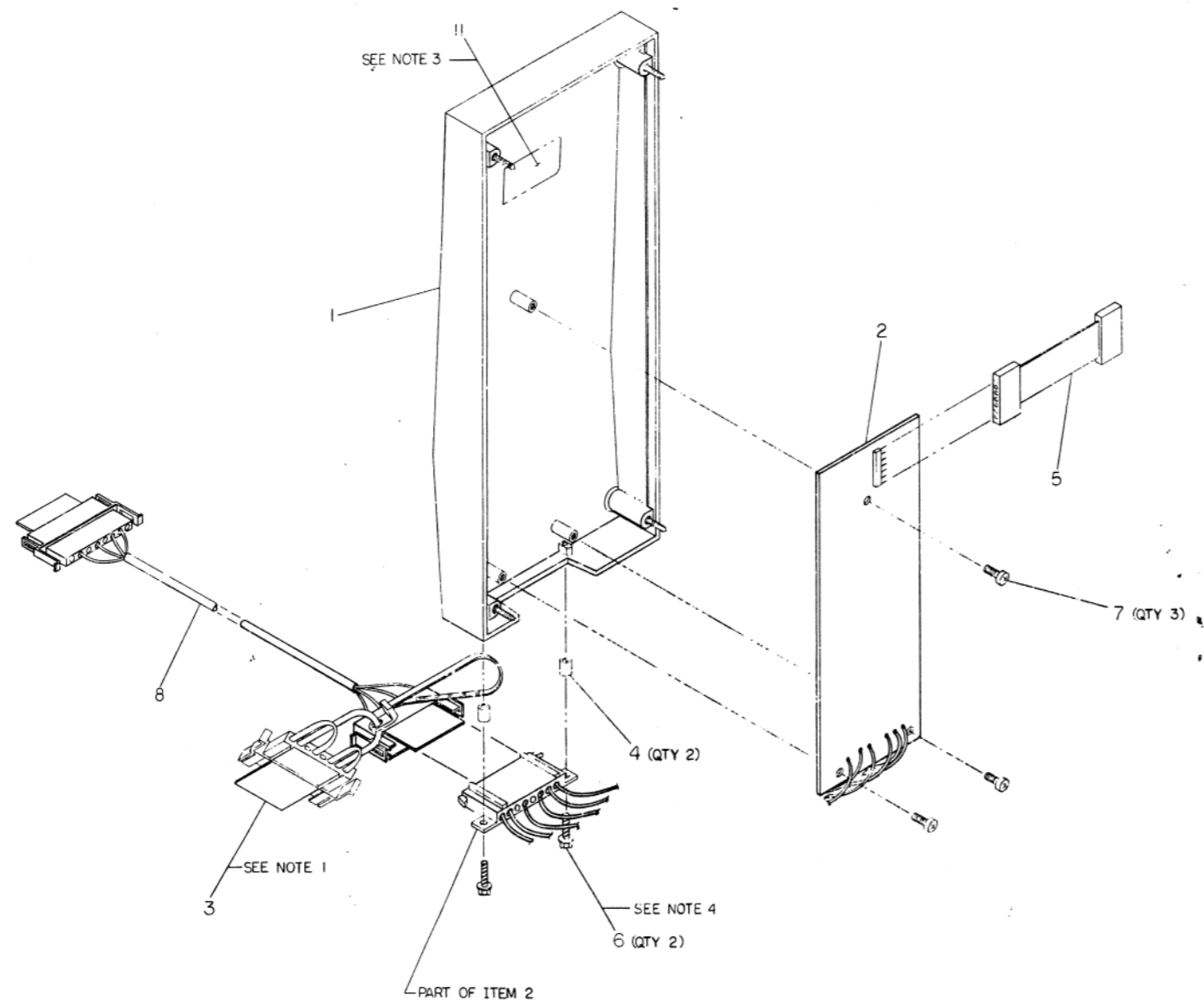
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REV	CHANGE NO.

DRN: <i>W.D. Dwyer</i> 12/20/55	FIRST USED ON
CHK'D: <i>J.P. ...</i> 12-20-55	VT130
ENG: <i>H. Pison</i> 12-20-55	TITLE
PROJ. ENG: <i>H. Pison</i> 12-20-55	SCHEMATIC
FROD: <i> </i>	TVX120/DEC
	12 VOLT
NEXT HIGHER ASSY:	
E-UA-VT-00-0-0	SIZE
SCALE NONE	CODE
SHEET 2 OF 2	DIST.
	NUMBER
	REV.

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- NOTES:
1. INSERT CONN. (ITEM 3) INTO CONN. OF (ITEM 2) FOR TESTING OPTION.
 2. PACKAGING: WHEN SHIPPED, MATERIAL SHALL BE ADEQUATELY PROTECTED FROM HANDLING AND SHIPPING DAMAGE USING DIGITAL PACKAGING INSTRUCTION A-SP-3700380-09
 3. LOCATE APPROX. AS SHOWN ON DWG.
 4. TORQUE (ITEM 6) TO 2.5 IN-LBS ± .5 IN-LBS.



1	LABEL, ADM. BACKED (SER. NO.)	A-PS-363210-02	11
1	SHIPPING LIST	B-PL-VT1XX-A	10
1	PACKAGING INSTRUCTIONS	A-SP-3700380-09	9
1	CABLE INTERFACE (BC05F)	C-UA-8C05F-15-1	8
3	S. R. FILMS, #6-32 X.312 LG	900970-00	7
2	SCR, SELF TAP #6-20 X.62 LG	900097-00	6
1	C-PLATE, INTERNAL	C-IA-7015506-08	5
2	SPACER, 1/4" DIA. 25 X.25	900967-02	4
1	20 MA LOOPBACK CONN.	D-IA-716533-0-0	3
1	20 MA ADAPTER ASSY	E-IA-7016273-0-0	2
1	WARRANTY CARD	F-IA-7016576-0-1	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
ANGLES	±.005
PLACEMENT	±.005
QUALITY	MEDIUM
QUANTITY & VARIATION	AS SHOWN
THIRD ANGLE PROJECTION	YES
CHG'D	DATE
EDG'D	DATE
PROF'D	DATE
INSTR. BY	DATE
DATE	BY
TITLE	20 MA CURRENT LOOP OPTION
SCALE	1:1
REV	DATE
REV	DATE

REVISIONS
 1. CHANGE NO. 1
 2. CHANGE NO. 2
 3. CHANGE NO. 3
 4. CHANGE NO. 4
 5. CHANGE NO. 5
 6. CHANGE NO. 6
 7. CHANGE NO. 7
 8. CHANGE NO. 8
 9. CHANGE NO. 9
 10. CHANGE NO. 10

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8

7

6

5

4

3

DUA 5413206-0-0 2 B

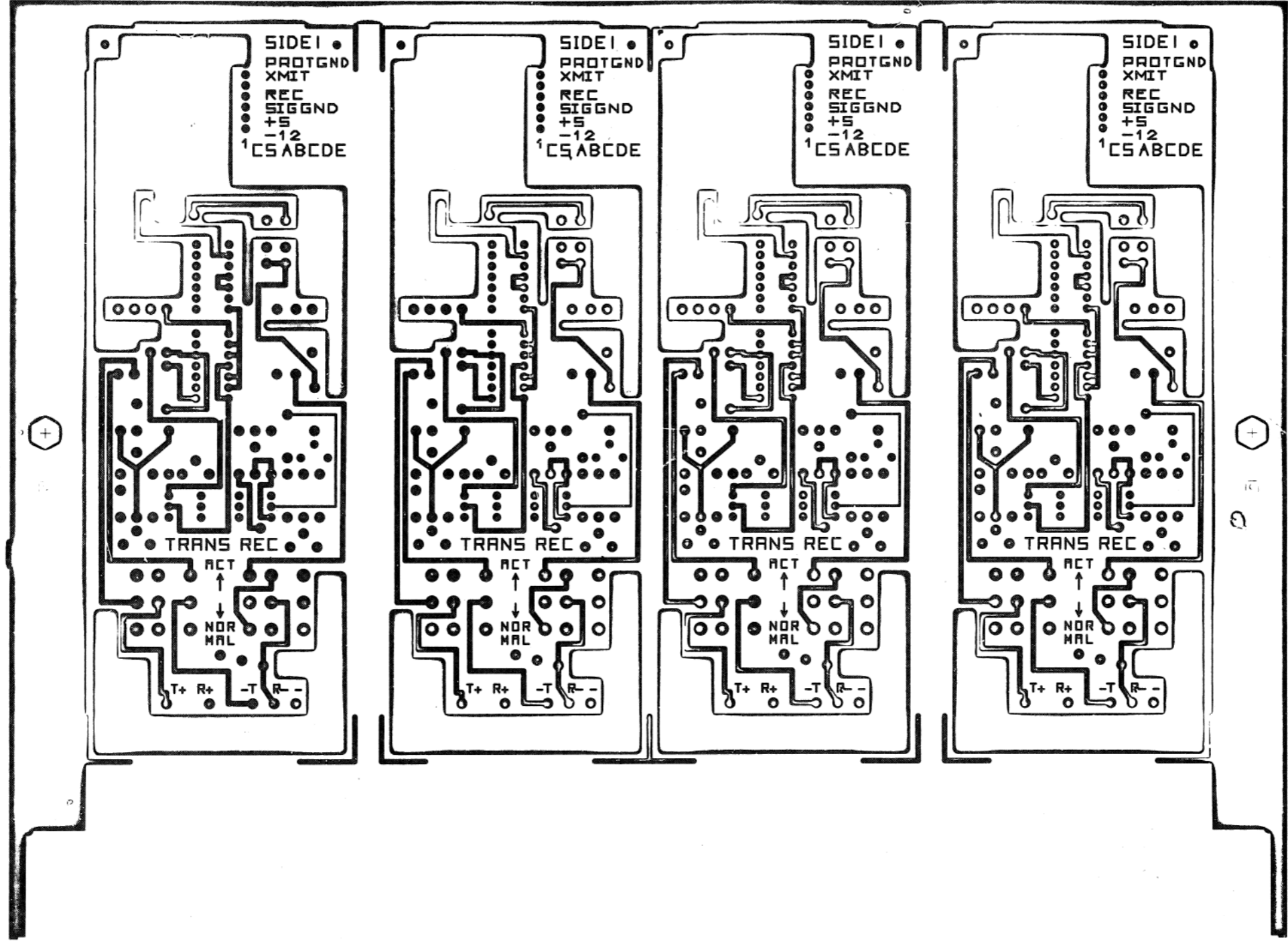
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5013205C
5413206

5013205C
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VIEWED FROM SIDE 1

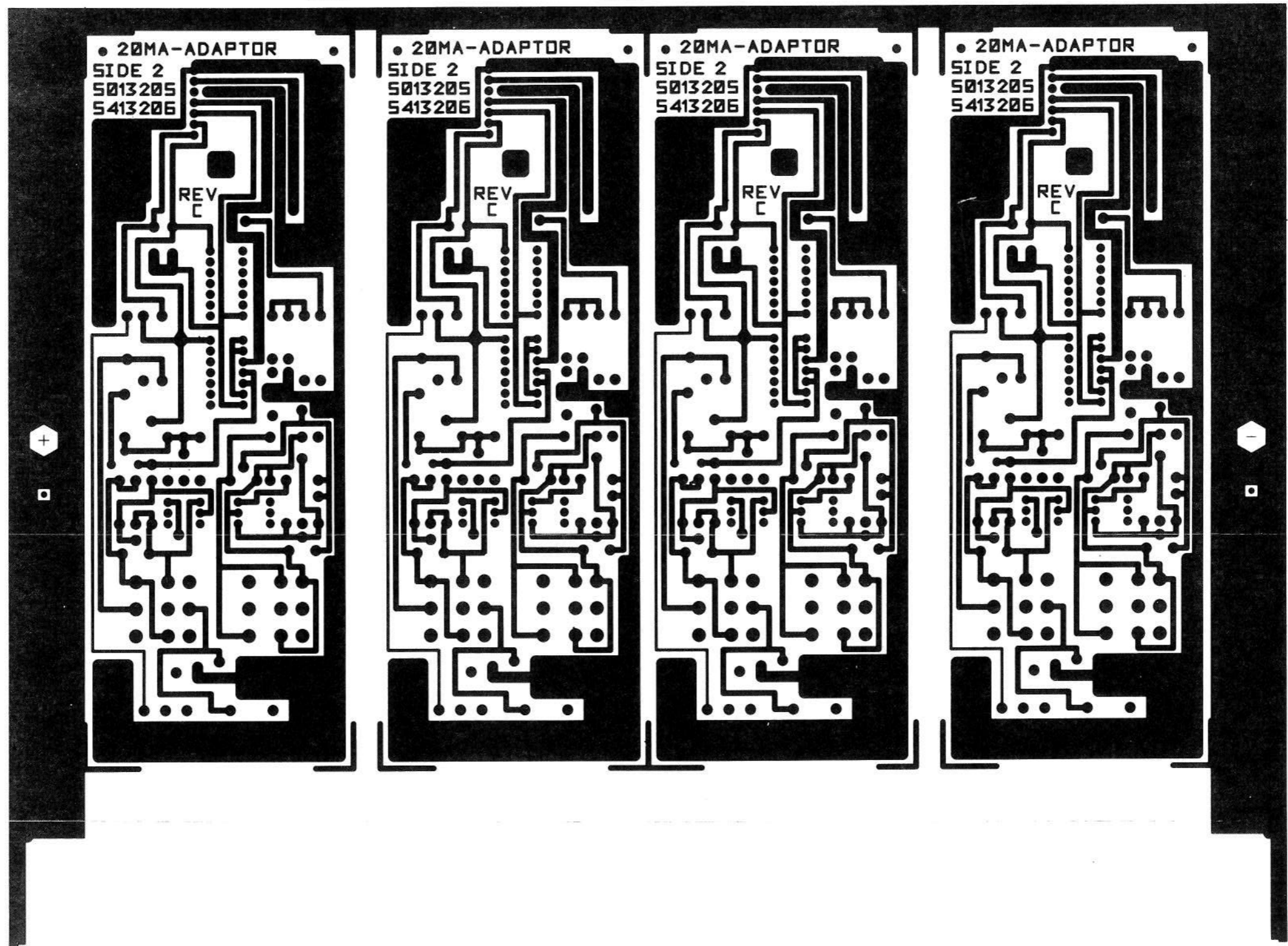
REVISIONS		
CHK	CHANGE NO	RE

TITLE	20 MA ADAPTOR	SIZE CODE	D UA	NUMBER	5413206-0-0	REV	B
SCALE	2:1	SHEET	2 OF 3	DIST			

D
C
B
A

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DUA 5413206-0-0 B



VIEWED FROM SIDE 2

REVISIONS		
CHK	CHANGE NO	REV

TITLE	20 MA ADAPTOR	SIZE CODE	D UA	NUMBER	5413206-0-0 B	REV	B
SCALE	2:1	SHEET	3	OF	3	DIST	

DEC FORM NO. DRG 117

DUA 5413206-0-0 B

LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1	D-MD-5013205-0-0	5013205-00	ETCH BOARD FOR 5413206	1	
2	2		1000022-00	270.0 MMF 100V 5%200PFM DM15S (10-00	2	C3,C5
3	3		1001610-00	.01 MFD 50V Z5U 30% CER/8000PF MIN	3	C1,C2,C4
4	4		1105275-00	D 672 TR= 15NS PIV= 60V SP	3	D1,D2,D4
5	5		1105610-00	MCL1301 CL@1MA FROM10-80V	1	D3
6	6		1215048-01	CONN 7POS RT ANGLE	1	J1
7	7		1215089-00	SW,SLIDE 3P 1A DBLE THROW	2	S1,S2
8	8		1300197-00	33 1/4W 5% CC (13-00	1	R2
9	9		1300250-00	150 1/4W 5% CC (13-00	2	R11,R15
10	10		1300296-00	330 1/2W 5% CC (13-00	4	R8,R9,R10,R12
11	11		1300309-00	390 1/4W 5% CC (13-00	2	R1,R14
12	12		1300391-00	1.5 K 1/4W 5% CC (13-00	1	R7
13	13		1300444-00	3.9 K 1/4W 5% CC (13-00	1	R6
14	14		1300539-00	120 K 1/4W 5% CC (13-00	1	R4
15	15		1301327-00	68 K 1/4W 5% CC (13-00	1	R13
16	16		1301401-00	750 1/4W 5% CC (13-00	1	R3
17	17		1301422-00	7.5 K 1/4W 5% CC (13-00	1	R5
18	18		1509338-00	DEC6531B NPN 310MW SI 40 90 P	2	Q1,Q2
19	19		1510705-00	XA 05 NPN 500MW SI 60 50 P	1	Q4
20	20		1510706-00	XA 55 PNP 500MW SI 60 50 P	1	Q3
21	21		1911998-01	4N26-10PTO COUPLED ISLTR 6 P	2	E1,E4
22	22		1912817-00	LS37 NAND GATE-QUAD 2IN,POS	1	E2
23	23		1913130-00	DEC 1489A RECEIVER,LINE,QUAD,EIA RS-232	1	E3

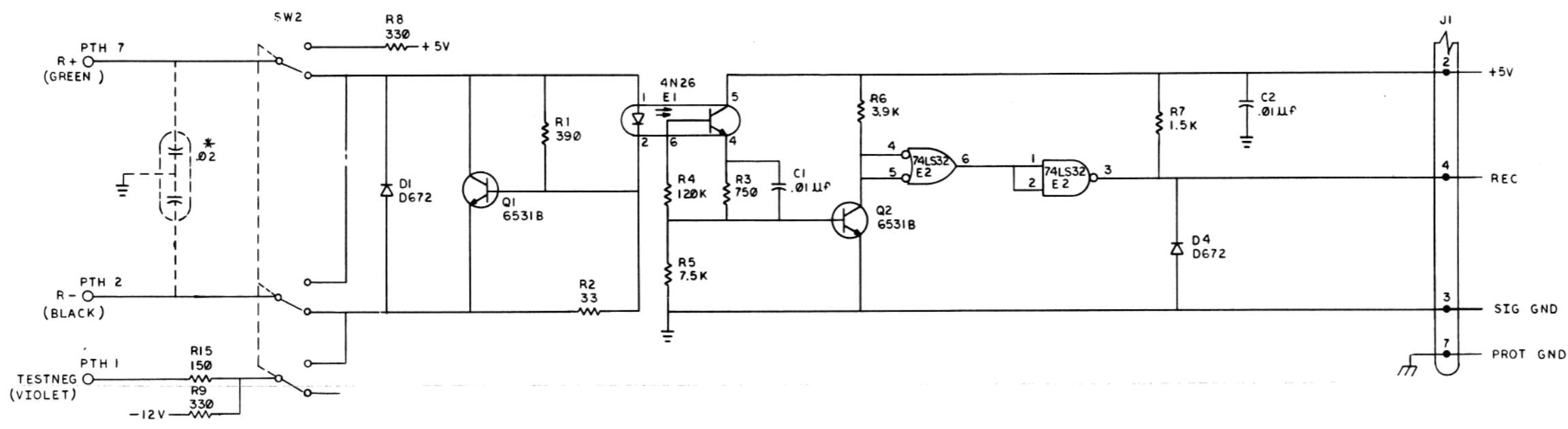
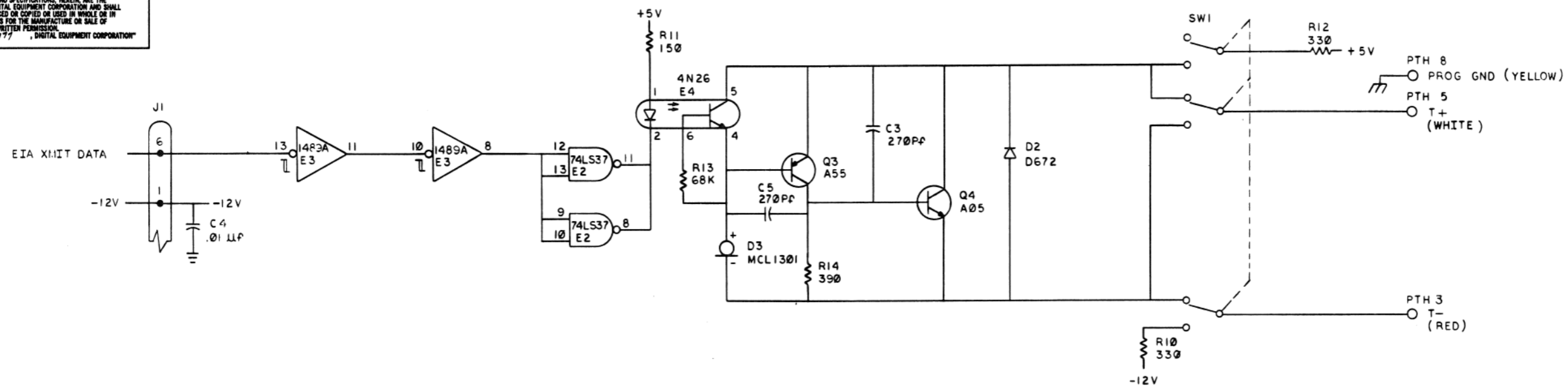
REVISION HISTORY			VARIATIONS FOR THIS ASSY.	
CHK	ECD NO	REV		
---	INIT	B	00	
			FIRST USED ON: VT100	
			MADE BY: T. SHETRAWSKI DATE: 30-MAR-78	
			CHECKED: T. SHETRAWSKI DATE: 30-MAR-78	
			DSN.ENG.: M. MORGENSTERN DATE: 30-MAR-78	
			PROD.: T. CORCIARI DATE: 30-MAR-78	
			RESP.ENG.: M. MORGENSTERN DATE: 30-MAR-78	
			ASSY.NO.: D-UA-5413206-0-0	
			EDIT# 3	

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CS 5413206-0-1 B

8 7 6 5 4 3 2 1



NOTE:
1. * OPTIONAL

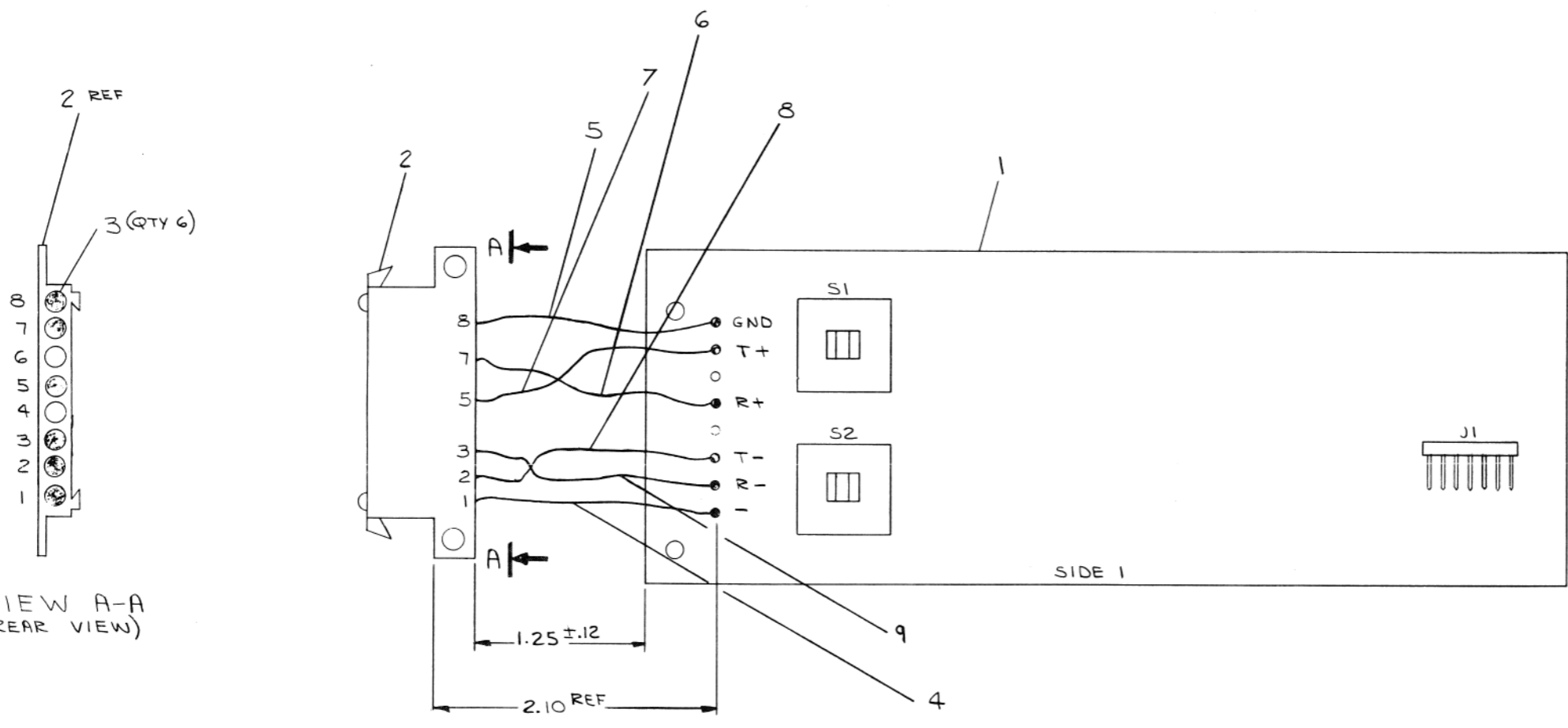
REV.	
CHG	
CHG	

DRN	CS 5413206-0-1 B	FIRST USED ON	VT100	digital
CHK		TITLE	20 MA ADAPTOR	
ENG.		PROJ. ENG.		
PROD.				
NEXT HIGHER ASSY.		SIZE	CODE	NUMBER
D-UA-5413206-0-0		D	CS	5413206-0-1
SHEET		DIST.		REV.
				B

CS 5413206-0-0 B

8 7 6 5 4 3 2 1

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VIEW A-A (REAR VIEW)

A/R WIRE, #22AWG, STRD (BLK)	9107350-00	9
A/R WIRE, #22AWG, STRD (RED)	9107350-22	8
A/R WIRE, #22AWG, STRD (GRN)	9107350-55	7
A/R WIRE, #22AWG, STRD (WHT)	9107350-99	6
A/R WIRE, #22AWG, STRD (YEL)	9107350-44	5
A/R WIRE, #22AWG, STRD (VIO)	9107350-77	4
G CONTACT, ELECTRICAL, FEMALE	1209379-03	3
I HOUSING, SOCKET (8 PIN)	1209340-00	2
1 20MA ADAPTER BOARD	0-UA-5413206-00	1

QUANTITY & VARIATION	DESCRIPTION		DWG./PART NO.		ITEM NO.		
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES						
SURFACE QUALITY	IN	ANGLES 45° 30°	CLASS OF ACCURACY				
		(CHECK ONE)	NOMINAL DIMENSION RANGE INCHES				
MEDIUM	PREFERRED		OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0
		±.004	±.008	±.012	±.018	±.024	±.04
MICROINCHES		±.012	±.016	±.025	±.04	±.083	±0.1

THIRD ANGLE PROJECTION

DRN. *R. J. Gagnier* 8/10/77

CHK'D. *Richard Baker* 8/10/77

ENG. *Monica* 1-11-78

PROJ. ENG. *Monica* 1-11-78

PROD. *J. Mac* 11/14/78

NEXT HIGHER ASSY.

MATERIAL: E-UA-VT1XX-AA-0

SCALE: 2/1

FINISH: / /

SHEET 1 OF 1

FIRST USED ON: VT100

TITLE: 20 MA ADAPTER ASSY

SIZE CODE: D

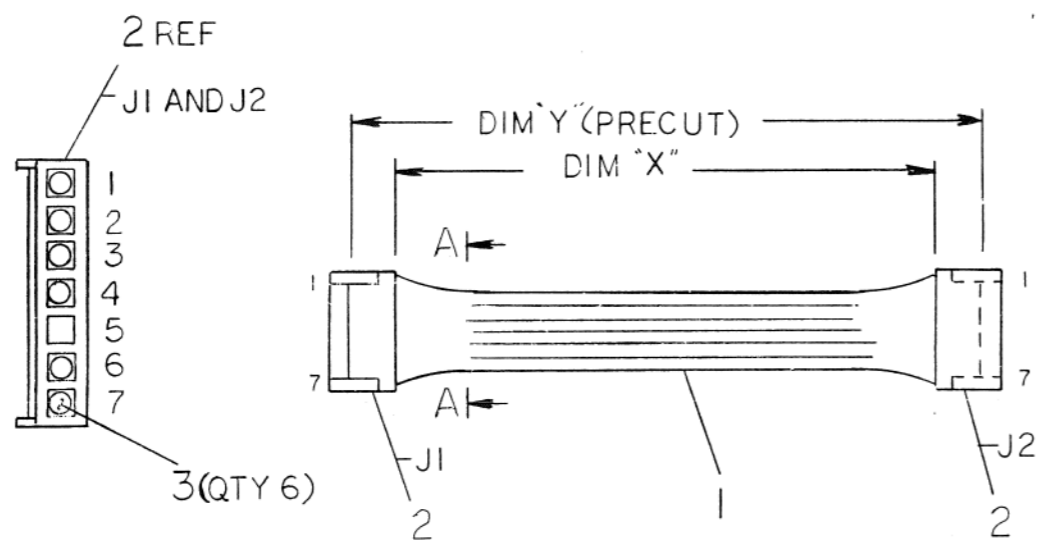
NUMBER: IA 7015273-0-0

REV.

REV.	CHANGE NO.	REVISIONS

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WIRE TABLE						
ITEM NUMBER	DESCRIPTION		FROM		TO	
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH
1	24	BLK	J1-1	3	J2-1	3
			J1-2		J2-2	
			J1-3		J2-3	
			J1-4		J2-4	
			J1-6		J2-6	
	24	BLK	J1-7	3	J2-7	3



VIEW A-A
REAR VIEW
2 PLACES

LEGEND		
NUMBER	DIM 'X' VARIATION	DIM 'Y' (PRECUT) REF
7015506-0B	2.0 IN ±.25 IN.	2.75 IN.

DESCRIPTION	DWG./PART NO.	ITEM NO.
12 CONTACT, PIN	1214979-00	3
2 HOUSING, 7 CONN	1215047-01	2
AVR WIRE, #24AWG, STRD (BLK)	9107450-00	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
		OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
SURFACE QUALITY IN	MEDIUM <input checked="" type="checkbox"/>	±.004	±.003	±.012	±.016	±.024	±.04
MICROINCHES	PREFERRED <input type="checkbox"/>	±.012	±.016	±.025	±.04	±.063	±.1

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

DRN. *look* 5/2/78

CHK'D *W. B.* 5/2/78

ENG. *M. J.* 1-2-77

PROJ. ENCL. *M. J.*

FROD. *M. J.* 1-2-77

FIRST USED ON VT100

TITLE CABLE, INTERNAL 20 MA ADAPTOR

SIZE CODE C IA 7015506-0-0

SHEET 1 OF 1

REV.	CHANGE NO.	DATE	BY
A	1	5/2/78	C. JAMES

REVISIONS

CHK 7015506-ML001 A

7/2/77

C. JAMES

Richard A. Pava 1/7/77

4 3 2 1

D

C

B

A

REV. A

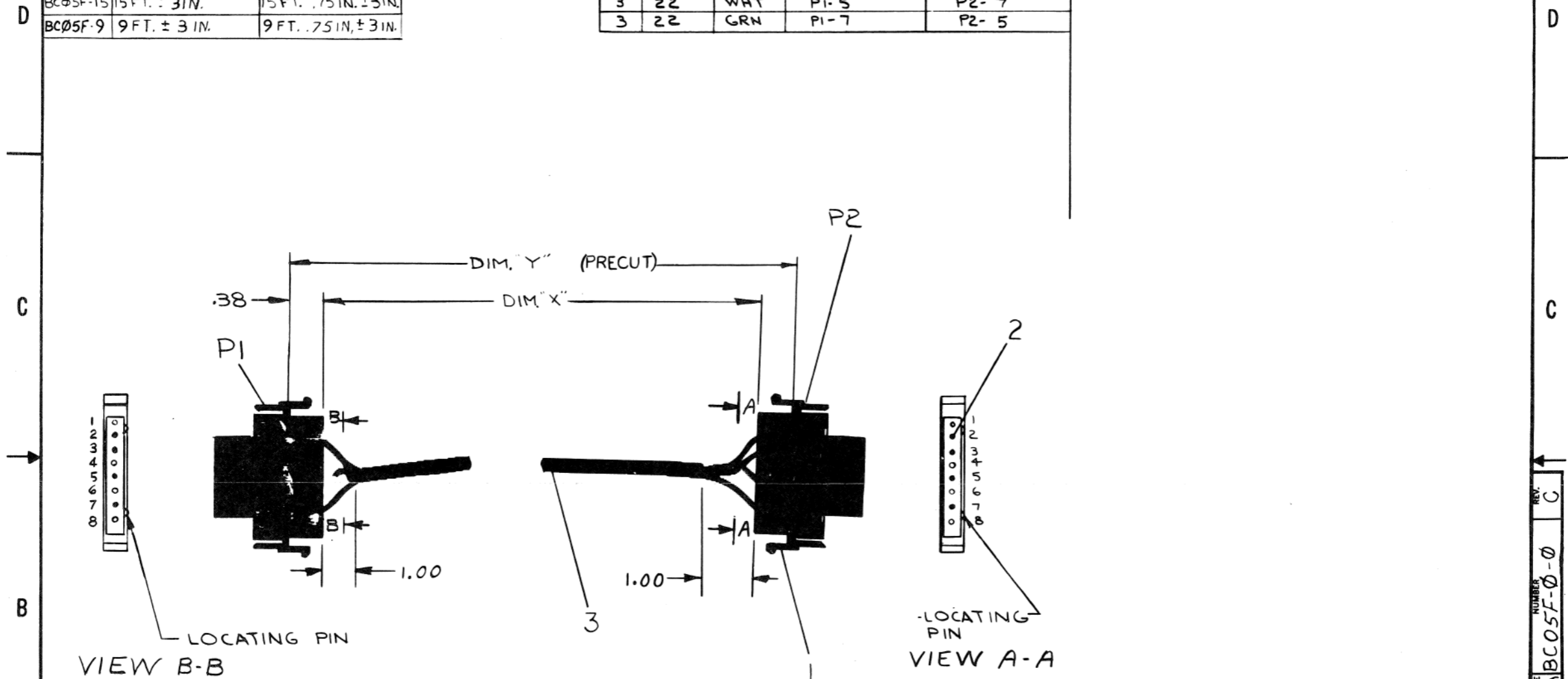
NUMBER 7015506-0-0

SIZE CODE C IA

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LEGEND		
NUMBER	DIM 'X' VARIATION	DIM 'Y' (PRECUT)/REF
BC05F-15	15 FT. ± 3 IN.	15 FT. .75 IN. ± 3 IN.
BC05F-9	9 FT. ± 3 IN.	9 FT. .75 IN. ± 3 IN.

WIRE TABLE				
ITEM NO	DESCRIPTION	COLOR	FROM CONNECTION	TO CONNECTION
3	22	BLK	P1-2	P2-3
3	22	RED	P1-3	P2-2
3	22	WHT	P1-5	P2-7
3	22	GRN	P1-7	P2-5



REV	DESCRIPTION	PART NO.	QTY.	ITEM NO.
A	CABLE 4 CONDUCTOR	9107706	3	
B	SOCKET (MALE)	1209378-03	2	
2	MATE-N-LOCK (MALE)	1209340-01	1	

REV.	CHANGE NO.	CHK	DATE
A	0001	R. FITCH	11-5-71
B	0019	R. FITCH	11-9-71
C	0002	R. FITCH	7-17-75
		J. BITTO	7-18-75
		R. FITCH	22 JUN 76

FIRST USED ON OPTION MODEL DF11

UNLESS OTHERWISE SPECIFIED
 DIMENSION IN INCHES
 TOLERANCES
 DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
 FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL: / /

FINISH: / /

DRN: *A. Handman* DATE: 1/17/71
 CHK'D: *P. Milon* DATE: 1/17/71
 ENG: *R. Fitch* DATE: 1/17/71
 PROJ. ENG. *R. Fitch* DATE: 1/17/71
 PROD: *R. Fitch* DATE: 1/17/71

digital EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

TITLE: CABLE INTERFACE
 BC05F

SIZE CODE: CUABC05F-0-0 NUMBER: C REV: C

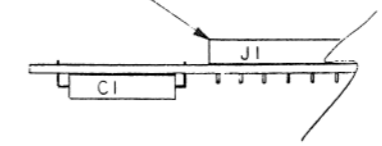
SCALE: / / SHEET 1 OF 1

REV. C
 NUMBER CUABC05F-0-0
 SIZE CODE C

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 DIGITAL EQUIPMENT CORPORATION

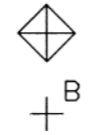
COMPONENT SIDE VIEW

12-14060-01

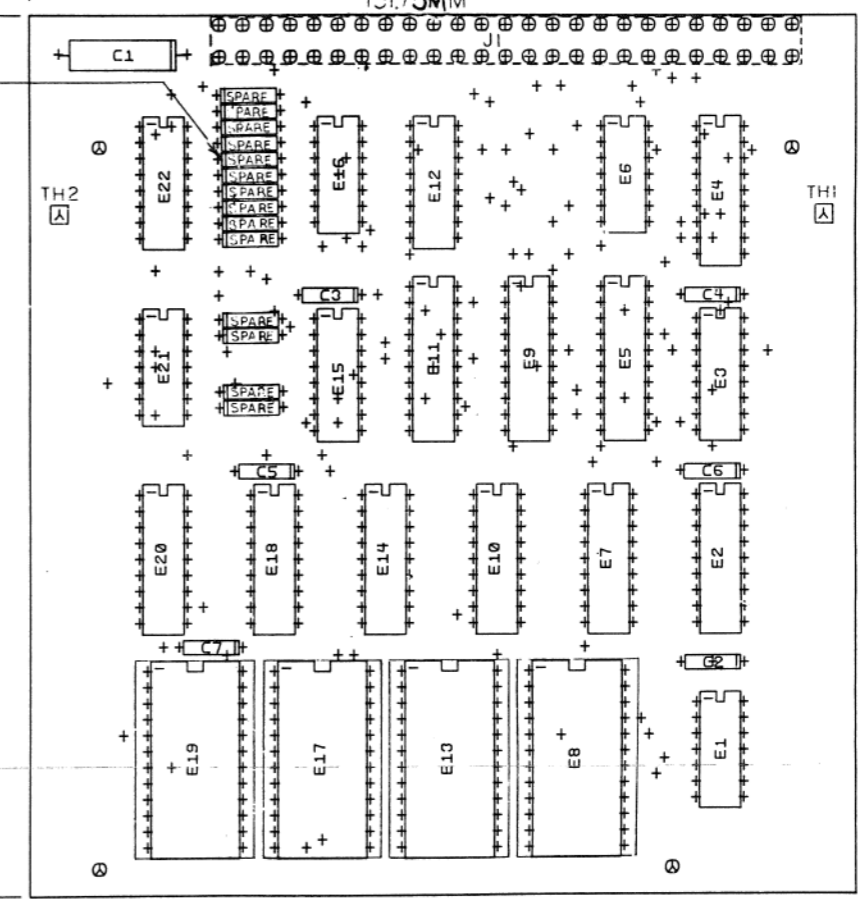


5.19 REF
131.75MM

DO NOT INSTALL W1 THRU 14
 INSTALL W1 AND W7 ONLY FOR VAR. 01



5.50 REF
139.70MM



NOTES: J1 CONN MOUNTED ON
 SIDE 2 AFTER OTHER
 COMPS HAVE BEEN ASSEM-
 BLED & BD HAS GONE
 THROUGH WAVE SOLDER

CHK	CHANGE NO	REV
E2	5413097-MUX01	B
G	2704	78
R	11-15	78
Z.B	5413097-MUX2	C
L. KING		3/1979

ETCH REV.	B
P.C. DESIGN DATA BASE REV.	BL

SIGNATURES	DATE
DRN. <i>R. Pucci</i>	1-17-78
CHK'D. <i>R. Pucci</i>	1-17-78
ENG. <i>Paul F. ...</i>	5/12/78
PROJ. ENG. <i>Paul F. ...</i>	5/12/78
PROD. <i>Paul F. ...</i>	6/12/78

digital	
TITLE VT100	
ADVANCED VIDEO	
SIZE CODE	NUMBER
D UA	5413097-0-0
REV	
	2

8

7

6

5

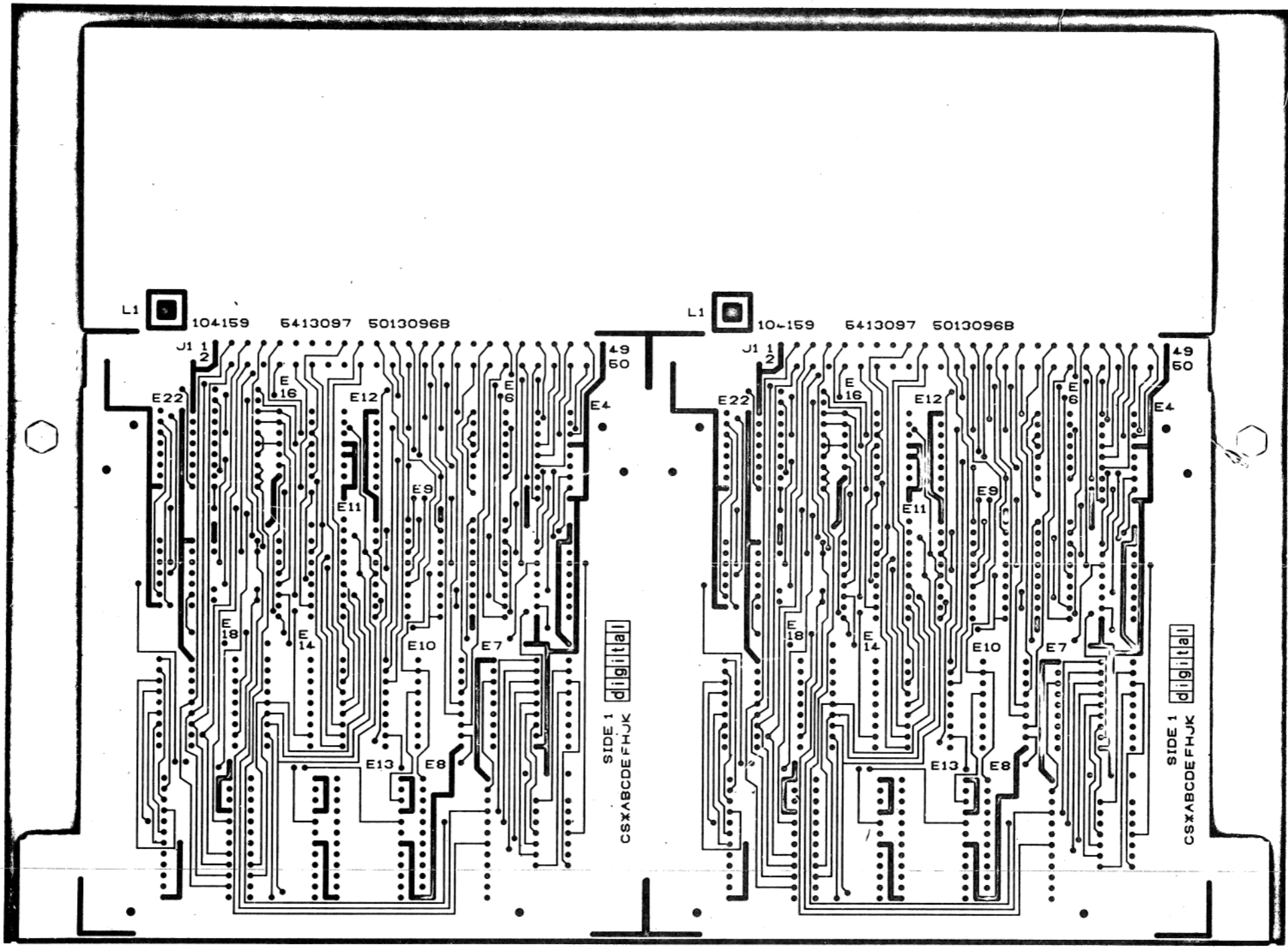
4

3

2

1

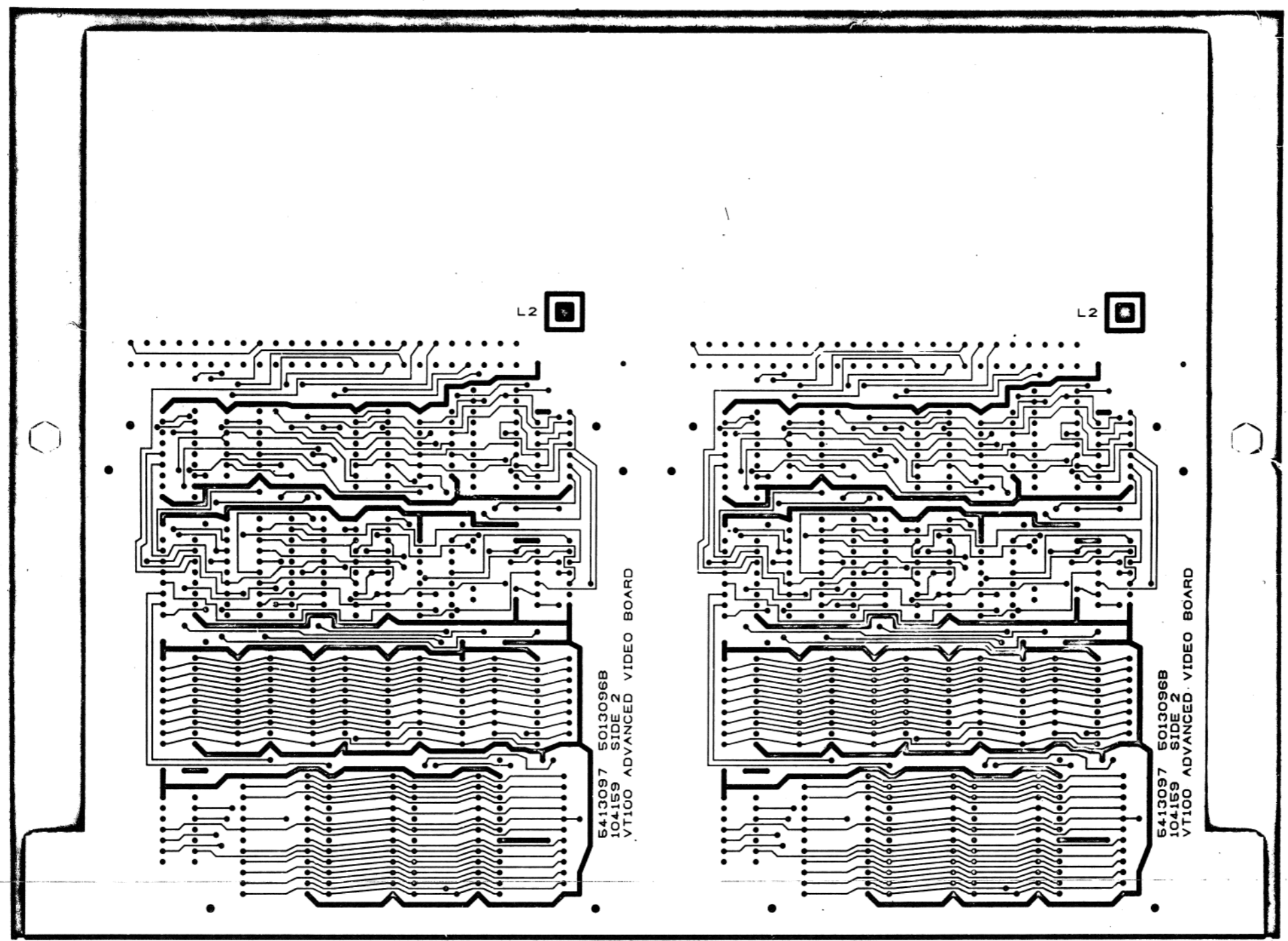
12-14060-01



VIEWED FROM SIDE 1

REVISIONS		
CHG	CHANGE NO	BY

TITLE	VT100 ADVANCED VIDEO	SIZE/CODE	D UA 5413097-0-0	NUMBER	2 OF 3	REV	C
SCALE	2:1	SHEET	2 OF 3	DIST			



5413097 5013096B
104159 SIDE 2
VT100 ADVANCED VIDEO BOARD

5413097 5013096B
104159 SIDE 2
VT100 ADVANCED VIDEO BOARD

VIEWED FROM SIDE 2

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER	REV
VT100 ADVANCED VIDEO		D	UA	5413097-0-0	C
SCALE 2:1		SHEET 3 OF 3		DIST	

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
1	1	D-MD-5013096-0-0	5013096-00	DRILL & ETCH DRAWING	1	
2	2		1005306-00	6.8MFD 35V 10% S.TANT	1	C1
3	3		1012784-00	.047 MFD 50V -20+80 CER	6	C2-C7
4	4		1210693-00	SOCKET 24PIN IC	4	XE8,XE13,XE17,XE19
5	5		1214060-01	HEADER,150 50POS	1	J1
6	6		1300005-03	R NETWORK 13-10K RESISTORS 5% DI	1	E1
7	7		1300005-07	R NETWORK 15-4.7K RESISTORS 5% 1	1	E15
8	8		1912801-00	LS02 NOR-GATE-QUAD 2IN	1	E6
9	9		1912803-00	LS04 INVERTER GATE-HEX 1I	1	E21
10	10		1912809-00	LS15 NAND GATE-TRIPLE 3IN	1	E16
11	11		1912842-00	LS138 DECODER-THREE INPUT,	1	E12
12	12		1912843-00	LS139 DECODER, 2 OF 4(DUAL	2	E3,E22
13	13		1912863-00	LS273 FF=D OCTAL W/CLEAR	1	E5
14	14		1914213-00	81LS97 BUFFER GATE-OCTAL 2I	2	E9,E11
15	15		2113106-01	1K MOS RAM 250NS	1	E4
16	16		2114212-00	P 2114-2 RAM,1024X4,STATIC	6	E2,E7,E10,E14,E18,E20
17	17		9009313-01	*** THIS ITEM IS NOT USED ***	-	
18	18		9009185-00	*** THIS ITEM IS NOT USED ***	-	
19	19		23069E2-00	*** THIS ITEM IS NOT USED ***	-	

REVISION HISTORY			BASIC PART NO: 5413097		DRN: T. SHETRAWski		DATE: 10-MAR-78		DIGITAL			
ENG	ECO NUMBER	REV	SECTION	1 OF 2	CHK'D:	T. SHETRAWski	DATE:	10-MAR-78	TITLE PARTS LIST			
---	INIT	A	SECTION VARIATION INDEX		CHK'D:	T. SHETRAWski	DATE:	10-MAR-78	VT100 ADV VIDEO WORD PROC			
R.P.	5413097-ML002	C	[1]	00	DES,ENG:	D. PUCCI	DATE:	10-MAR-78	DOCUMENT NUMBER			
			[2]	01	RESP,ENG.:	D. PUCCI	DATE:	10-MAR-78	SIZE	CODE	NUMBER	REV
			[3]		MFG,ENG.:	T. CORCIARI	DATE:	10-MAR-78	K	PL	5413097-0-DBP	C
			[4]		ASSEMBLY NUMBER:				FILE NAME:		EDIT #	
			[5]		D-UA-5413097-0-0				13097C,PLS		11	

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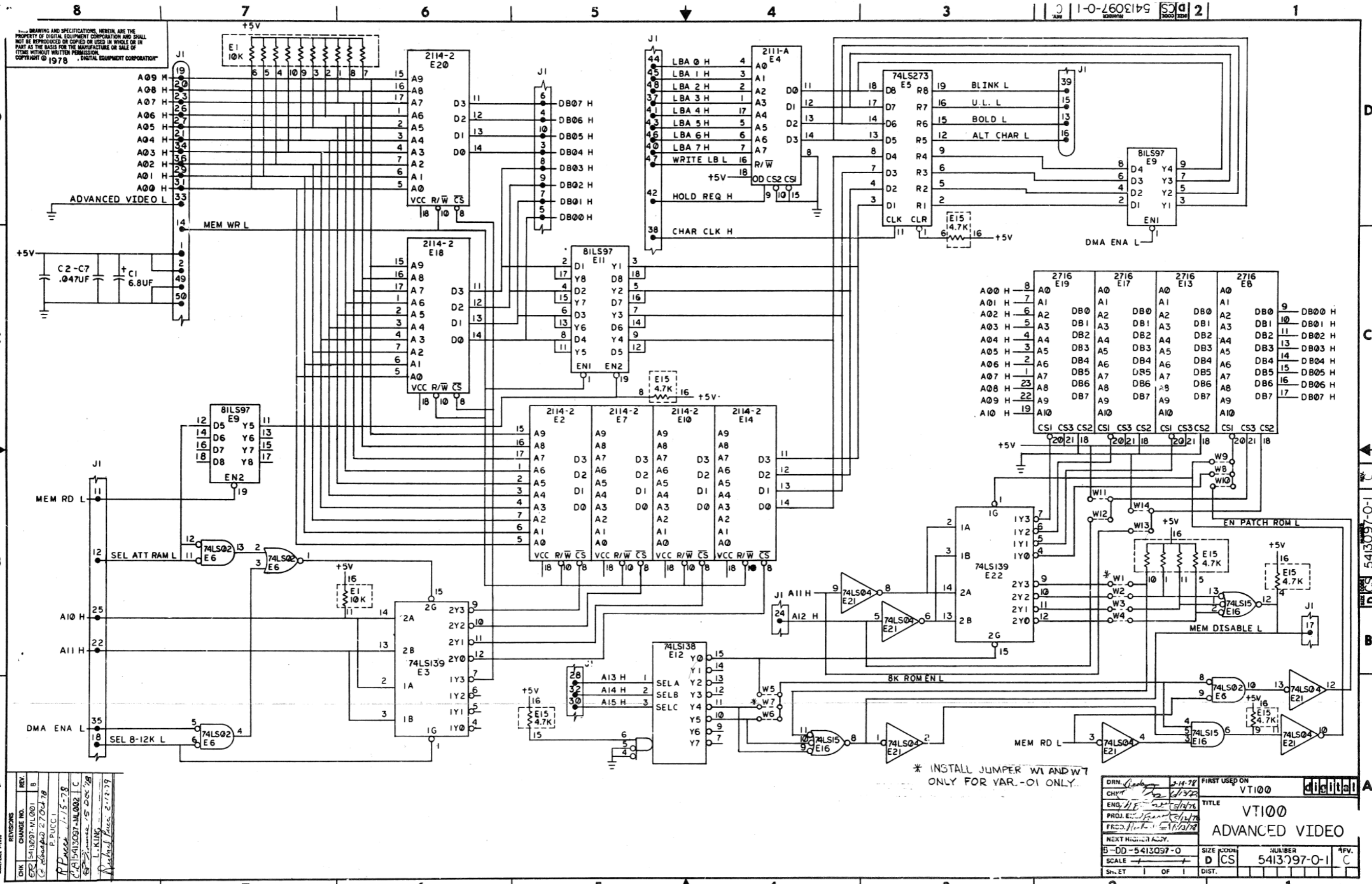
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
1	D-MD-5013096-0-0	5013096-00	DRILL & ETCH DRAWING	1	C1
2		1005306-00	6.8MFD 35V 10% S.TANT	1	C1
3		1W12784-00	.047 MFD 50V -20+80 CER	6	C2-C7
4		1210693-00	SOCKET 24PIN IC	4	XE8,XE13,XE17,XE19
5		1214060-01	HEADER,150 50POS	1	J1
6		1300005-03	R NETWORK 13-10K RESISTORS 5% DI	1	E1
7		1300005-07	R NETWORK 15-4.7K RESISTORS 5% 1	1	E15
8		1912801-00	LS02 NOR-GATE-GUAD 2IN	1	E6
9		1912803-00	LS04 INVERTER GATE-HEX 1I	1	E21
10		1912809-00	LS15 NAND GATE-TRIPLE 3IN	1	E16
11		1912842-00	LS138 DECODER-THREE INPUT,	1	E12
12		1912843-00	LS139 DECODER, 2 OF 4(DUAL	2	E3,E22
13		1912863-00	LS273 FF-D OCTAL W/CLEAR	1	E5
14		1914213-00	81LS97 BUFFER GATE-OCTAL 2I	2	E9,E11
15		2113106-01	1K MOS RAM 250MS	1	E4
16		2114212-00	P 2114-2 RAM,1024X4,STATIC	6	E2,E7,E10,E14,E18,E20
17		9009313-01	*** THIS ITEM IS NOT USED ***	-	
18		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W1,W7
19		23069E2-00	E2-04	1	E19

REVISION HISTORY		BASIC PART NO: 5413097	
ENG	ECO NUMBER	REV	SECTION 2 OF 2
INIT		A	SECTION VARIATION INDEX
5413097-ML002		C	[1] 00
			[2] 01
			[3]
			[4]
			[5]
			[6]
			[7]
			[8]
			[9]
			[10]
			[11]
			[12]

DPN	DES. ENG.	CHK'D	DATE	TITLE
T. SHETRAWSKI	D. PUCCI	T. SHETRAWSKI	10-MAR-78	VIEW ADV VIDEO WORD PROC
	D. PUCCI		10-MAR-78	
	D. PUCCI		10-MAR-78	
	T. CORCIARI		10-MAR-78	

SIZE	CODE	NUMBER	REV
		5413097-0-DBP	C
		13097C.PLS	12

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REV.	CHG	DATE	BY	REASON
1		11/15/78	P. PUCCI	INITIAL DESIGN
2		12/15/78	P. PUCCI	REVISED FOR MANUFACTURE
3		1/15/79	P. PUCCI	REVISED FOR MANUFACTURE
4		2/15/79	P. PUCCI	REVISED FOR MANUFACTURE

* INSTALL JUMPER W1 AND W7 ONLY FOR VAR.-01 ONLY.

DRN. DATE	2-14-78	FIRST USED ON	VT100
CHKD.	2/15/78	TITLE	VT100
ENG. J. F. ...	2/15/78	TITLE	ADVANCED VIDEO
PROJ. ...	2/15/78	SIZE	D CS
TRCD. ...	2/15/78	NUMBER	5413097-0-1
NEXT HIGHER ASSY.		SCALE	1 OF 1
B-DD-5413097-0		SCALE	1 OF 1
SCALE		DIST.	

DIGITAL EQUIPMENT CORPORATION PARTS LIST

MADE BY DATE	D. HEALY 14 JUN 78	CHECKED DATE	D. HEALY 14 JUN 78
SECTION	1		
ENG DATE	<i>E. Hedberg</i> 10 JULY 78	PROD DATE	<i>Dr. P. for K. Hoffman</i> 10 JULY 78
ISSUED SECTION	1		

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION
1	EK-VT100-UG-001	EK-VT100-UG	GUIDE, USERS VT100
2		3615741	LABEL, SET-UP, VT100
3		VT100-AA	TERM., VIDEO, W/115V PLUG
4		VT100-AB	TERM., VIDEO, W/230V PLUG
5		VT100-NA	TERM., VIDEO, DECFORM, W/115V PLUG
6		VT100-NB	TERM., VIDEO, DECFORM, W/230V PLUG

QUANTITY / VARIATION							
VT100-AA	VT100-AB	VT100-NA	VT100-NB				
1	1	1	1				
1	1	1	1				
1	-	-	-				
-	1	-	-				
-	-	1	-				
-	-	-	1				

NOTES:

REF DESIGNATION

E.C.O. NO.	<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 © 1978 DIGITAL EQUIPMENT CORPORATION"</p>	<p>TITLE SHIPPING LIST VT100</p>	<p>ASSY NO. _____</p>	<p>SIZE B</p>	<p>CODE PL</p>	<p>NUMBER VT100-0</p>	<p>REV.</p>
			SHEET 1 OF 1	INSERTION PARTS LIST DATA BASE REV			