

NOTES:
 1. FOR DRAWING DIRECTORY REFER TO B-DD-VT52-0
 2. MOUNT TO SHELL WITH NUT, SCREW, AND WASHER SUPPLIED WITH CRT GROUNDING ASSY (ITEM#45).

LEGEND

NUMBER	VARIATION
VT52-AB	CURRENT LOOP 115V, 60 HZ
VT52-AB	CURRENT LOOP 230V, 50/60 HZ
VT52-AC	CURRENT LOOP 100/120V, 50/60 HZ
VT52-AD	EIA 115V, 60 HZ
VT52-AP	EIA 230/240V, 50/60 HZ
VT52-AH	EIA 100/120V, 50/60 HZ
VT52-CA	285 B PLUS 115V, 60 HZ
VT52-CB	285 B PLUS 230/240V, 50/60 HZ
VT52-CC	285 B PLUS 100/120V, 50/60 HZ
VT52-BA	COPIER, CURRENT LOOP 115V, 60 HZ
VT52-BB	COPIER, CURRENT LOOP 230V, 50/60 HZ
VT52-BC	COPIER, CURRENT LOOP 100/120V, 50/60 HZ
VT52-BA	COPIER, EIA 115V, 60 HZ
VT52-BP	COPIER, EIA 230/240V, 50/60 HZ
VT52-BH	COPIER, EIA 100/120V, 50/60 HZ
VT52-DA	COPIER, 285 B PLUS 115V, 60 HZ
VT52-DB	COPIER, 285 B PLUS 230/240V, 50/60 HZ
VT52-DC	COPIER, 285 B PLUS 100/120V, 50/60 HZ

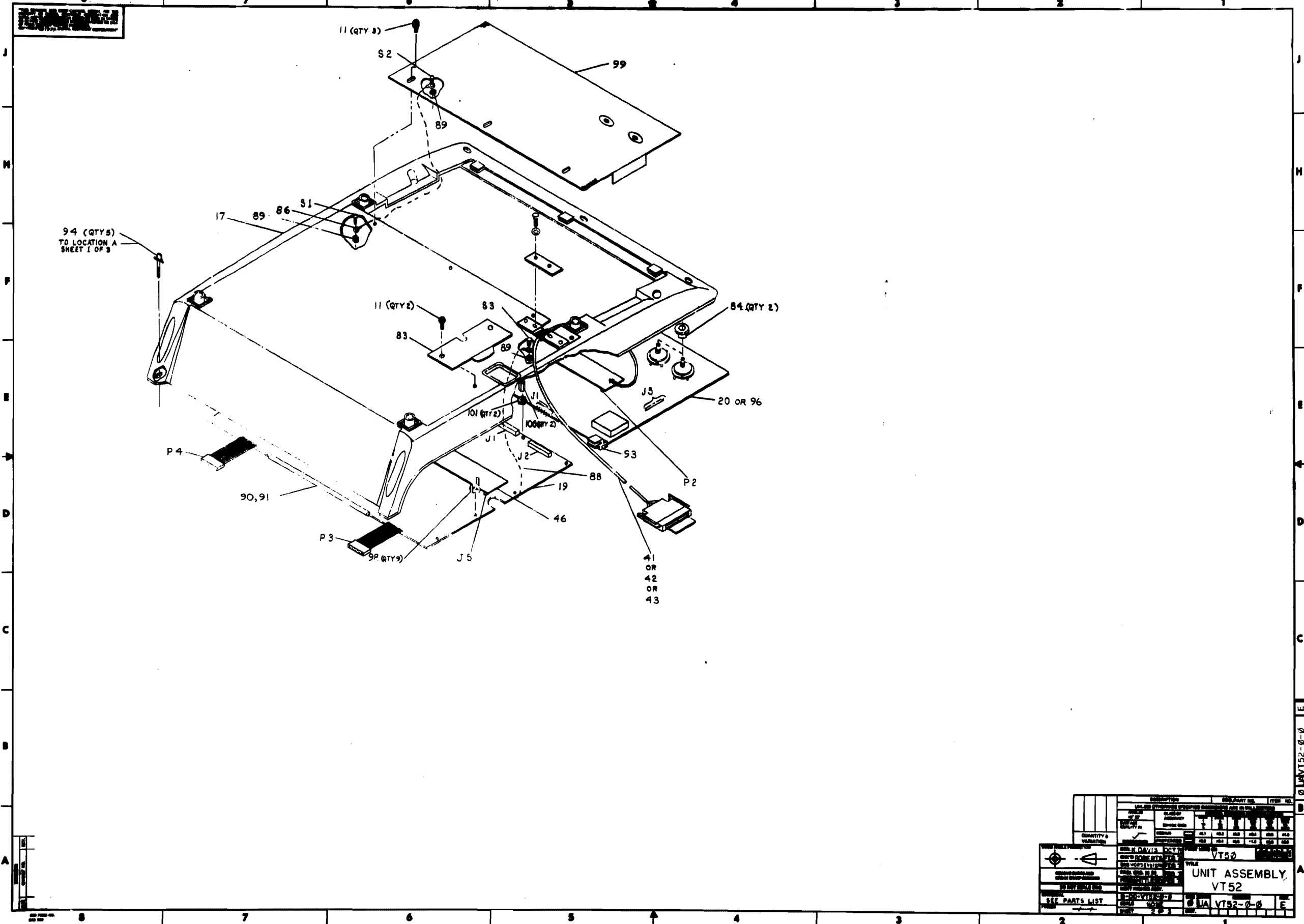
WIRE TABLE

FROM	TO	REMARKS		
ITEM NO.	CONN	ITEM NO.	CONN	REMARKS
19	J1	20	J1	ALL VARIATIONS
23	P1	20	J5	
44, 42, 43	P2	20	J4	
19	P4	8	J1	
19	P3	8	J2	
8	P1	21	CRT	
8	J4	21	P3	
21	J1	8	HOLE #1	
8	P5	13	C2-	
8	P6	3	C2+	
8	P4	12	C1-	
8	P3	12	C1+	ALL VARIATIONS
8	J3	36, 37, 38 45, 49, 50	J1	
27, 28 or 29	J1	19	J2	COPIER ONLY
27, 28 or 29	GND	36, 37 or 38	GND	
27, 28 or 29	P1	36, 37 or 38	P2	
72	P1	8	J3	
17	S1	98	S2	S3
17	S3	36, 37 or 38 46, 49 or 50	GND LUG	S4
9	S4	36, 37 or 38 46, 49 or 50	GND LUG	B7

OFF SHEET PARTS LIST REFER TO C-P-152-0-1

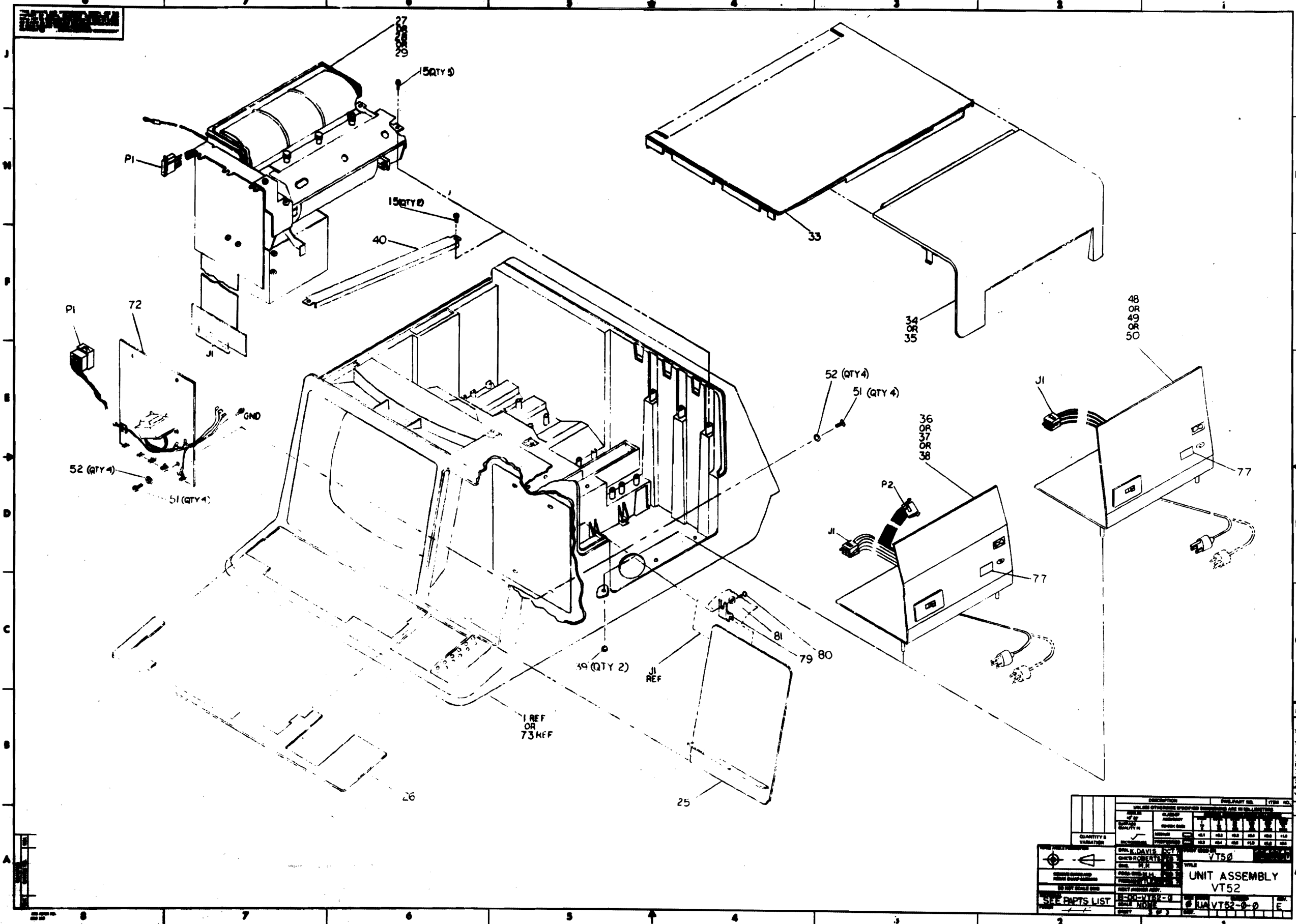
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
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50

UNIT ASSEMBLY VT52
 PARTS LIST
 SHEET 1 OF 3



94 (QTY 8)
TO LOCATION A
SHEET 1 OF 3

QUANTITY & UNIT SEE PARTS LIST		DESCRIPTION UNIT ASSEMBLY, VT52	PART NO. 1A VT52-Ø-Ø E
SEE PARTS LIST		UNIT ASSEMBLY, VT52	1A VT52-Ø-Ø E



DESCRIPTION	QUANTITY	UNIT
VT50	1	EA
UNIT ASSEMBLY	1	EA
VT52	1	EA
VT52-0-0	1	EA

PREPARED BY CHECKED BY DATE DRAWN BY DATE	APPROVED BY DATE	TITLE UNIT ASSEMBLY VT52
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SEE PARTS LIST PARTS LIST	PARTS LIST
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QTY / VARIATION

ITEM NO.	PART NO.	DESCRIPTION	VT52-AA	VT52-AB	VT52-AC	VT52-AD	VT52-AE	VT52-AF	VT52-AG	VT52-AH	VT52-AI	VT52-AJ	VT52-AK	VT52-AL	VT52-AM	VT52-AN	VT52-AO	VT52-AP	VT52-AQ	VT52-AR	VT52-AS	VT52-AT	VT52-AU	VT52-AV	VT52-AW	VT52-AX
1	E-MD-7411540-0-0	CHASSIS VT52	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	3613210-00	LABEL, ALUMINUM, ADHESIVE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	9009910	SPACER, PLASTIC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	9009910	SPACER, PLASTIC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	9009910	SPACER, PLASTIC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	9009910	SPACER, PLASTIC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	9009910	SPACER, PLASTIC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	D-CS-5410886-0-1	MONITOR POWER SUPPLY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	D-IA-7413866-0-0	HEAT SINK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	9009679-02	SEWH, TH'D ROLLING SCREW #8X .75	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	9009683-01	WTR. BLACK PASSIVATED SCREW #8X .38	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
12	1012412-00	CAP. 6000 MFD. 45 VDC 20% AL EL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1011643-0-0	CAP. 18,000 UF 25VDC 20% AL EL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	2-MD-7414797-0-0	CLAMP, CAPACITOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	9009681-05	SEWH, TH'D ROLLING SCREW #10X .38	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
16	9009681-05	SEWH, TH'D ROLLING SCREW #10X .38	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
17	B-AD-7010859-01	BASE ASSEMBLY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	A-SP-3700184-0-0	PACKAGING INSTRUCTIONS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	D-CS-5411745-0-1	DATA PATH, MEMORY AND DECODERS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	D-CS-5411743-4-1	ROM UART AND TIMING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	B-AD-7010859-0-0	CRT ASSEMBLY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	9009681-05	SEWH, TH'D ROLLING SCREW #10X .38	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
23	D-CS-5411170-4-1	KEYBOARD VT51/VT52 H	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	9009681-05	SEWH, TH'D ROLLING SCREW #10X .38	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
25	D-MD-7413103-0-0	COVER, CASSETTE OPENING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1-IA-7413432-0-0	BEZEL, KEYBOARD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	B-UA-7010068-0-0	COPIER ASSEMBLY 115V/60 HZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	B-UA-7010068-1-0	COPIER ASSEMBLY 100/127V, 50/60 HZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	B-UA-7010068-2-0	COPIER ASSEMBLY 220/240V, 50/60 HZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	9009681-05	SEWH, TH'D ROLLING SCREW #10X .38	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
31	9009681-05	SEWH, TH'D ROLLING SCREW #10X .38	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
32	9009681-05	SEWH, TH'D ROLLING SCREW #10X .38	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
33	B-MD-7412573-0-0	COVER FIXED (VT52)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	1-MD-7412574-0-0	COPIER COVER (VT52)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	1-MD-7412574-1-0	COPIER COVER (VT52)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	1-AD-7010861-0-0	TRANSFORMER ASSY (115V 60 HZ)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	1-AD-7010861-1-0	TRANSFORMER ASSY (220/240V, 50/60 HZ)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	1-AD-7010861-2-0	TRANSFORMER ASSY (100V/127V)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	9006563-00	KEYPAD #8-32	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
40	C-MD-7413400-0-0	BRACKET, COPIER WELL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	1-IA-BN52A-7F	VT52 EIA CARD AND CABLE ASSEMBLY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	1-IA-BN52B-7F	2# MA. ADAPTER ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	1-IA-BN52C-7F	CURRENT LOOP TO 283B PLUG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

REV.	CHG. NO.	BY	DATE
A	V152-0002	J. BEATTY	1/15/76
B	VT52-PN003	G. CHRISTIANSEN	23 Dec. 76
C	VT52-PN004	M. WHITTLESEY	17 JAN 77
D	VT52-PN009	Y. GARGE	1/27/77
E	VT52-PN010	J. DESUK	1/27/77

DRN. K. DAVIS	10/17/75	FIRST USED ON	digital
CHK'D <i>[Signature]</i>		TITLE	UNIT ASSY
ENG. <i>[Signature]</i>		NUMBER	VT52-β-β
PROJ. ENGR. <i>[Signature]</i>		REV.	E
PROD. <i>[Signature]</i>		SCALE	C PL
NEXT HIGHER ASSY.		SIZE	1 OF 3
B-DD-VT52-β		DIST.	

D

C

B

A

VT52-β-β

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QTY / UNIT / TIO

ITEM NO.	PART NO.	DESCRIPTION	QTY / UNIT / TIO																			
			VT52-AA	VT52-AB	VT52-AC	VT52-AE	VT52-AF	VT52-AE	VT52-CA	VT52-CB	VT52-CC	VT52-BA	VT52-BB	VT52-BC	VT52-BE	VT52-BI	VT52-BE	VT52-DA	VT52-DB	VT52-DC	VT52-WI	VT52-WB
45	1-IA-701197-0-0	CRT, GROUNDING ASSEMBLY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
46	D-CS-5411815-0-1	BK CHAR, GENERATOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
48	1-AD-7010861-0-3	MTG BRATE ASSEMBLY (115V, 60 HZ)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	1-AD-7010861-0-4	MTG PLATE ASSEMBLY (220/240V, 50/60 HZ)	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	1-AD-7010861-0-5	MTG PLATE ASSEMBLY (100/127V, 50 HZ)	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	9006073-03	SCR PH TRUSS HD #10-32 X .50	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4
52	9006668-00	WASHER, FLAT .625 X .200 ID X .032 THK	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4
54	A-PL-VT52-AA-3	SHIPPING LIST (W/O COPIER)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	A-PL-VT52-AB-3	SHIPPING LIST (W/O COPIER)	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	A-PL-VT52-AC-3	SHIPPING LIST (W/O COPIER)	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	A-PL-VT52-AE-3	SHIPPING LIST (W/O COPIER)	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	A-PL-VT52-AF-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	A-PL-VT52-AH-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	A-PL-VT52-CA-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
61	A-PL-VT52-CB-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
62	A-PL-VT52-CC-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
63	A-PL-VT52-BA-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
64	A-PL-VT52-BB-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
65	A-PL-VT52-BC-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
66	A-PL-VT52-BE-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
67	A-PL-VT52-BF-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
68	A-PL-VT52-BH-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
69	A-PL-VT52-DA-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
70	A-PL-VT52-DB-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
71	A-PL-VT52-DC-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
72	2-AD-7011852-0-0	TRANSFORMER ASSEMBLY	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
73	2-MD-7414866-0-0	SHELL, REWORKED	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
74	A-PL-VT52-WA-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	A-PL-VT52-WB-3	SHIPPING LIST (W/O COPIER)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	3613211-01	DECAL CSA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
77	A-DC-7414213-0	LABEL UL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
78	9009339	TAPE GRAY	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
79	2-MD-7417609-0-0	CLIP CABLE CONNECTOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	9000007-01	SCREW NYLON 10-32 X .312 IN. LG.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
81	9006664	WASHER FLAT .437 IN. X .218 ID X .062 THK.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
82	2-MD-7417808-0-0	COVER, SLIDING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
83	2-MD-7417803-0-0	COVER PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
84	2-MD-7417802-0-0	SPACER, SWITCH	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
85	1213771	SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
86	D-IA-7418251-00	CABLE SAFETY GND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

REVISIONS
CHANGE NO.
REV.

DRN. K. DAVIS	10/20/75	FIRST USED ON	VT52
CHK'D <i>S. D. R. L.</i>	<i>10/20/75</i>	TITLE	UNIT ASSY
ENG. <i>[Signature]</i>	<i>10/20/75</i>	UNIT ASSY	VT52
PROD. ENG. <i>[Signature]</i>	<i>10/20/75</i>	VT52	
NEXT HIGHER ASSY.		SIZE	CODE
B-DD-VT52- <i>β</i>		C	PL
SCALE		NUMBER	REV.
SHEET 2 OF 3		VT52- <i>β</i> - <i>β</i>	E
		DIST.	

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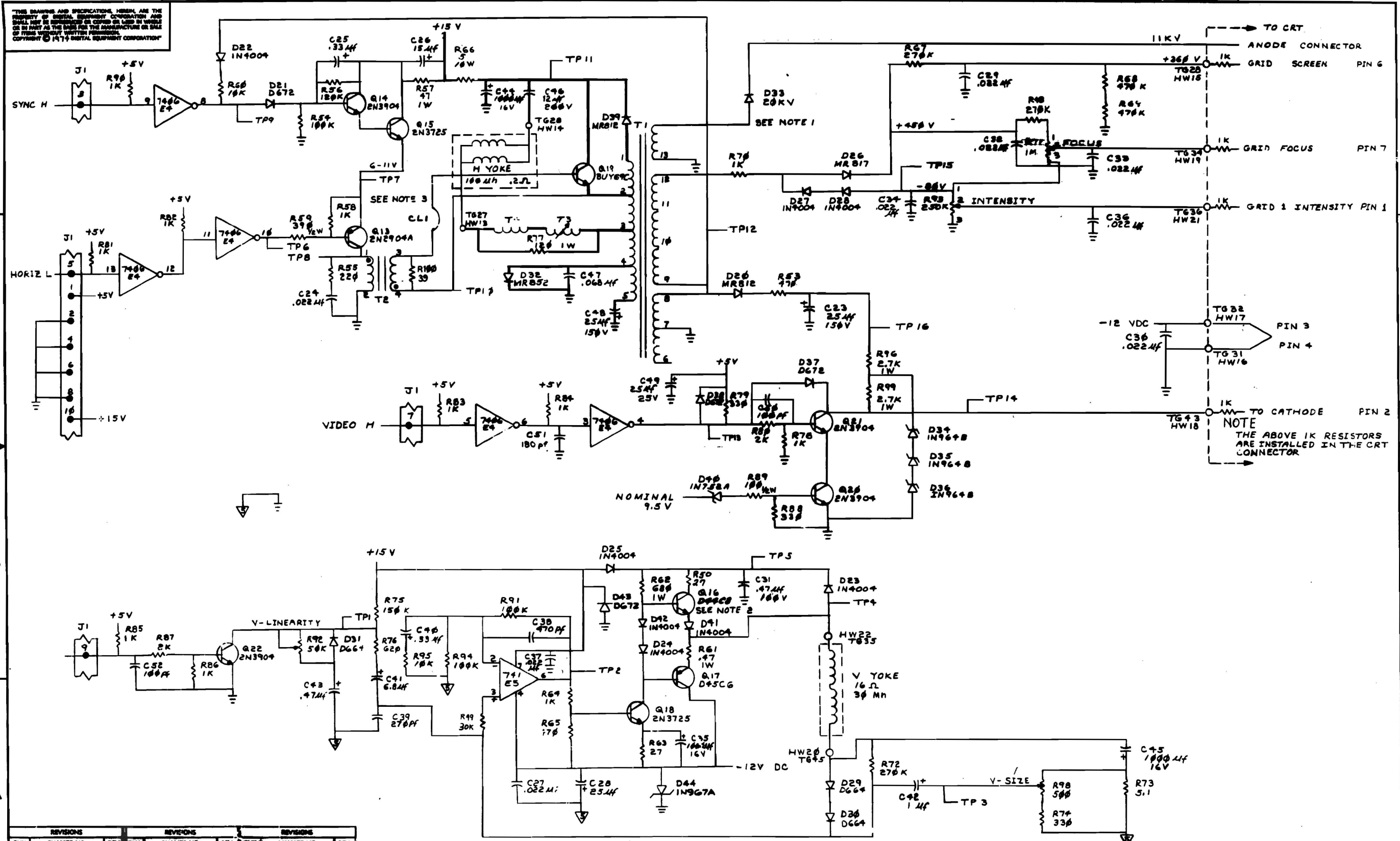
QTY / VARIATION

ITEM NO.	PART NO.	DESCRIPTION	QTY / VARIATION															
			VT52-AA	VT52-AB	VT52-AC	VT52-AE	VT52-AF	VT52-AH	VT52-CA	VT52-CB	VT52-CC	VT52-DA	VT52-DB	VT52-DC	VT52-DA	VT52-DB	VT52-DC	
87	D-1A-7418251-01	CABLE SAFETY GND	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
89	9008585	NUT, KEP # 10-32	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
90	9008208	GROMMET STRIP X 850	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
91	9007594	ADHESIVE, RUBBER	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
92	2-MD-7415343-0-0	CLIP, P.S. M.T.G.	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
93	2-MD-7415342-0-0	CLIP, 80 M.T.G.	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
94	2-MD-7415344-0-0	SCREW, THUMB	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
95	9008304-10	SCREW, SET, SOCKET # 8-32 X .50	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
96	D-CS-5411743-0-1	ROM UART AND TIMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
97	D-CS-5411170-8-1	KEYBOARD, VT52	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
98	2-MD-7415345-0-0	NUT, WING	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
99	1-MD-7413322-1-0	SCREEN, BASE, FRONT	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
100	9008852	SPACER, HEX, ALUM # 8-32 X .50	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
101	9008151	WASHER, LOCK, EXT TOOTHED #8	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
102	9008881-03	SCREW, HI-LO SHWH #10 x .88	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
103	3810287	DECAL, DANGER HIGH VOLTAGE	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
104	7414751	FOAM SUPPORT	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
105	D-CS-5411170-8-1	KEYBOARD	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
106	9008873	SCREW HEX HD # 4	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
107	9008871	WASHER, BARSEAL # 8	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

REVISIONS	REV.	
	CHANGE NO.	
CHK		

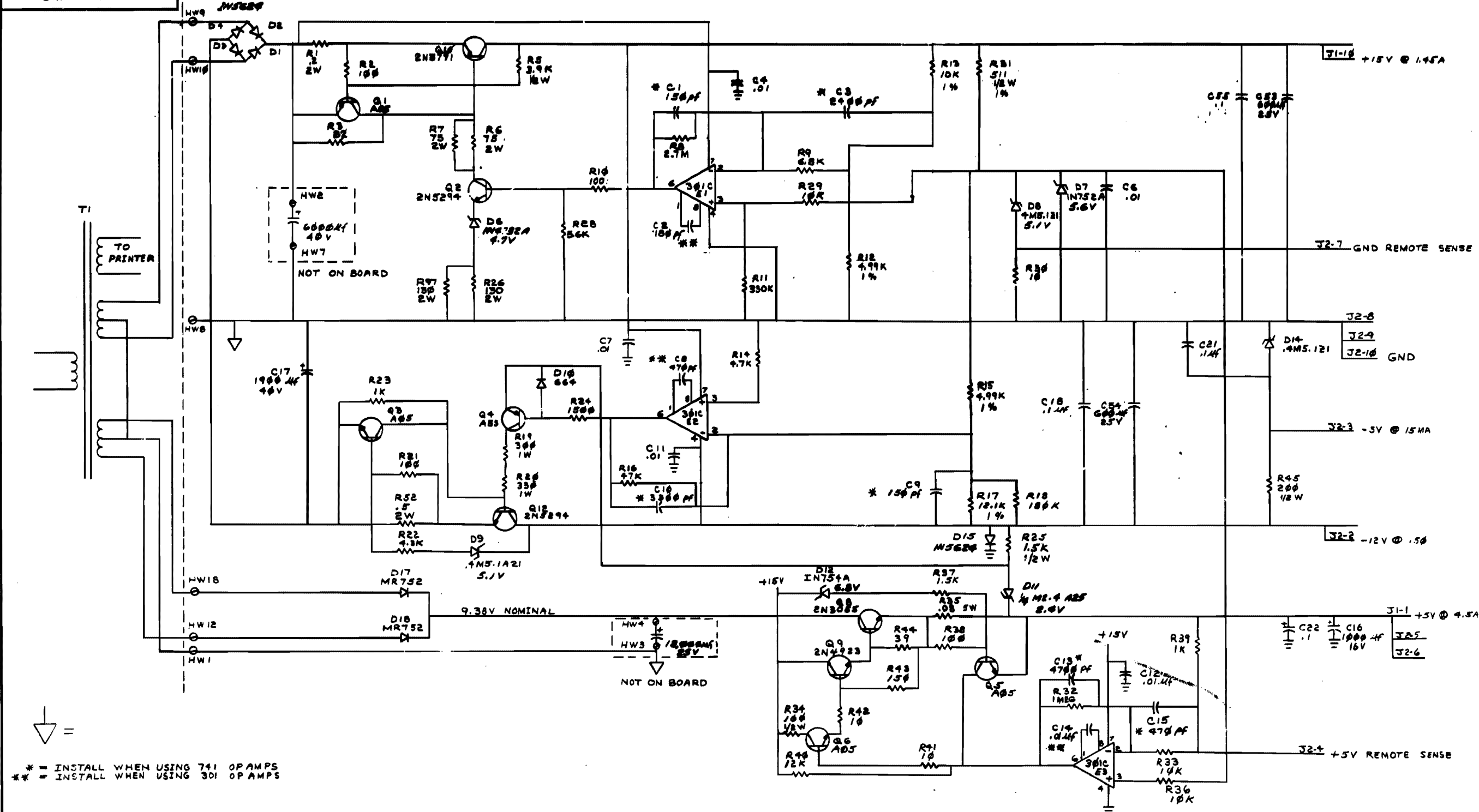
DRN. K DAVIS	10/20/75	FIRST USED ON	VT52	digital
CHK'D Sid Roberts	16 Feb 76	TITLE	UNIT ASSY	
ENG. Morganstern	16 Feb 76		VT52	
PRCJ. ENG. Morganstern	16 Feb 76			
PROD. M Whittlesey	2/18/76			
NEXT HIGHER ASSY.				
B-00-VT52-0		SIZE CODE	NUMBER	REV.
SCALE		C PL	VT52-0-2	
SHEET 4 OF 7		DIST.		

REV. L
NUMBER
VT52-0-0
CPL
B



REVISIONS		REVISIONS		REVISIONS	
CHK	CHANGE NO.	REV.	DATE	CHK	CHANGE NO.
AK	540886-0-017	V	11-10-77	W	540886-0-017
AK	540886-0-017	V	11-10-77	W	540886-0-017
AK	540886-0-017	V	11-10-77	W	540886-0-017

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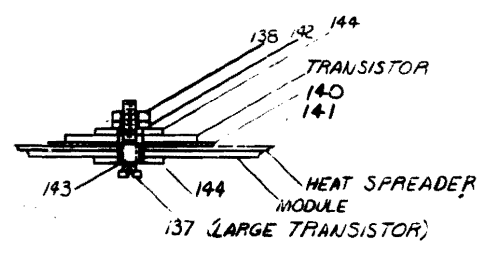
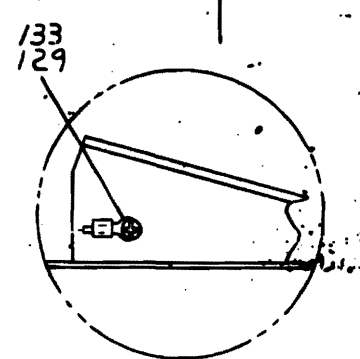
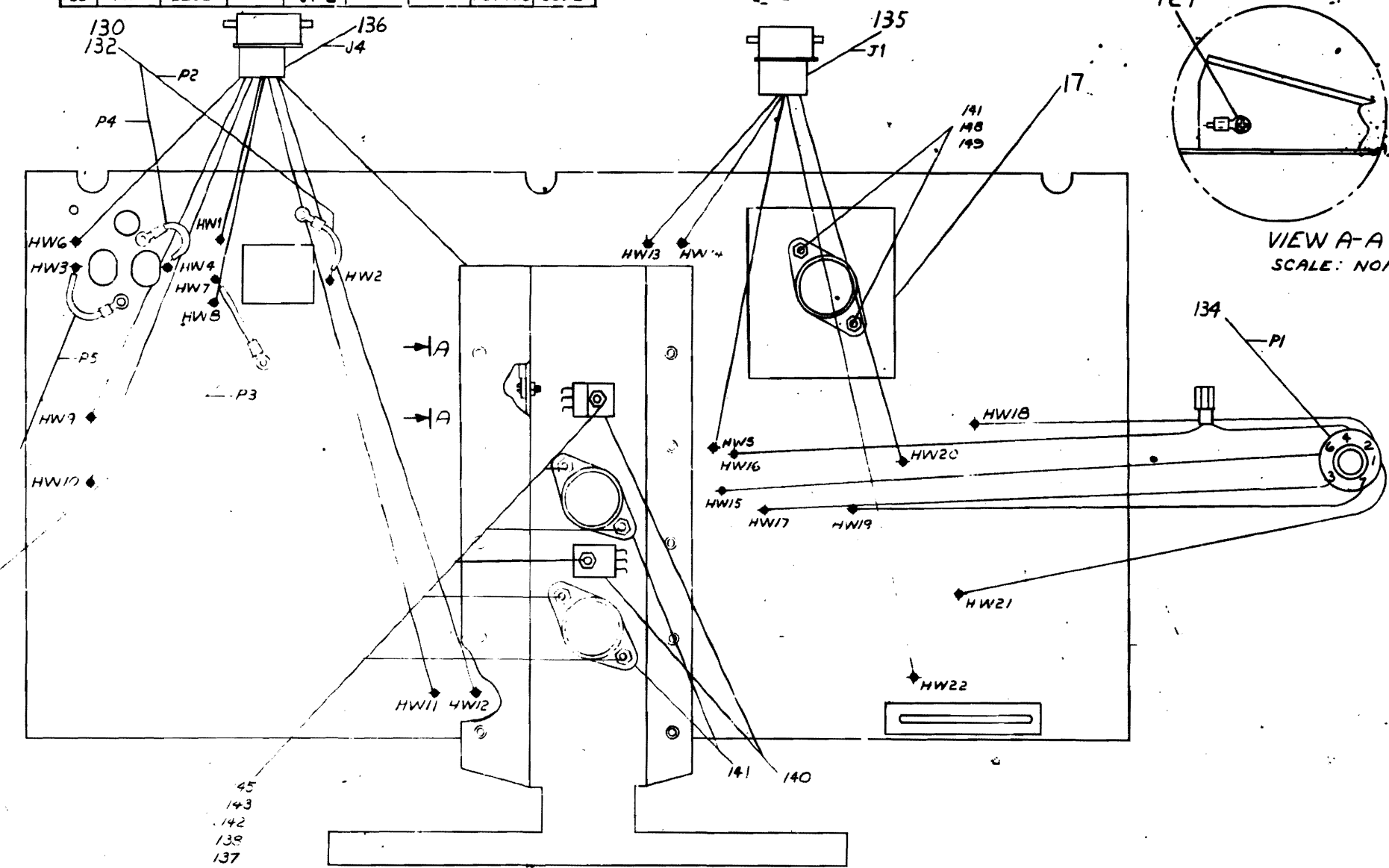
* = INSTALL WHEN USING 741 OPAMPS
 ** = INSTALL WHEN USING 301 OPAMPS

REVISIONS		
CHK	CHANGE NO.	REV.

WIRE TABLE											
ITEM NO.	DESCRIPTION	COLOR	FROM			TO			WIRE LENGTH		
			POINT	CONN	WITH	POINT	CONN	WITH			
136	18	GRN	J4-1			PC-HW6	SOLD				
		GRN	J4-2			GND	SOLD				
		VIO	J4-4			PC-HW12	SOLD				
		VIO	J4-5			PC-HW11					
		BLUE	J4-7			PC-HW10					
		BLUE	J4-8			PC-HW9					
		BLU/BLK	J4-9			PC-HW1					
136		VIO/BLK	J4-6			PC-HW8					
135	18	GRN	J1-1			PC-HW3					
	22	BLK	J1-3			PC-HW2					
	22	RED	J1-6			PC-HW22					
	22	WHT	J1-5			PC-HW14					
135	TWP	BLUE	J1-2			PC-HW13	SOLD				

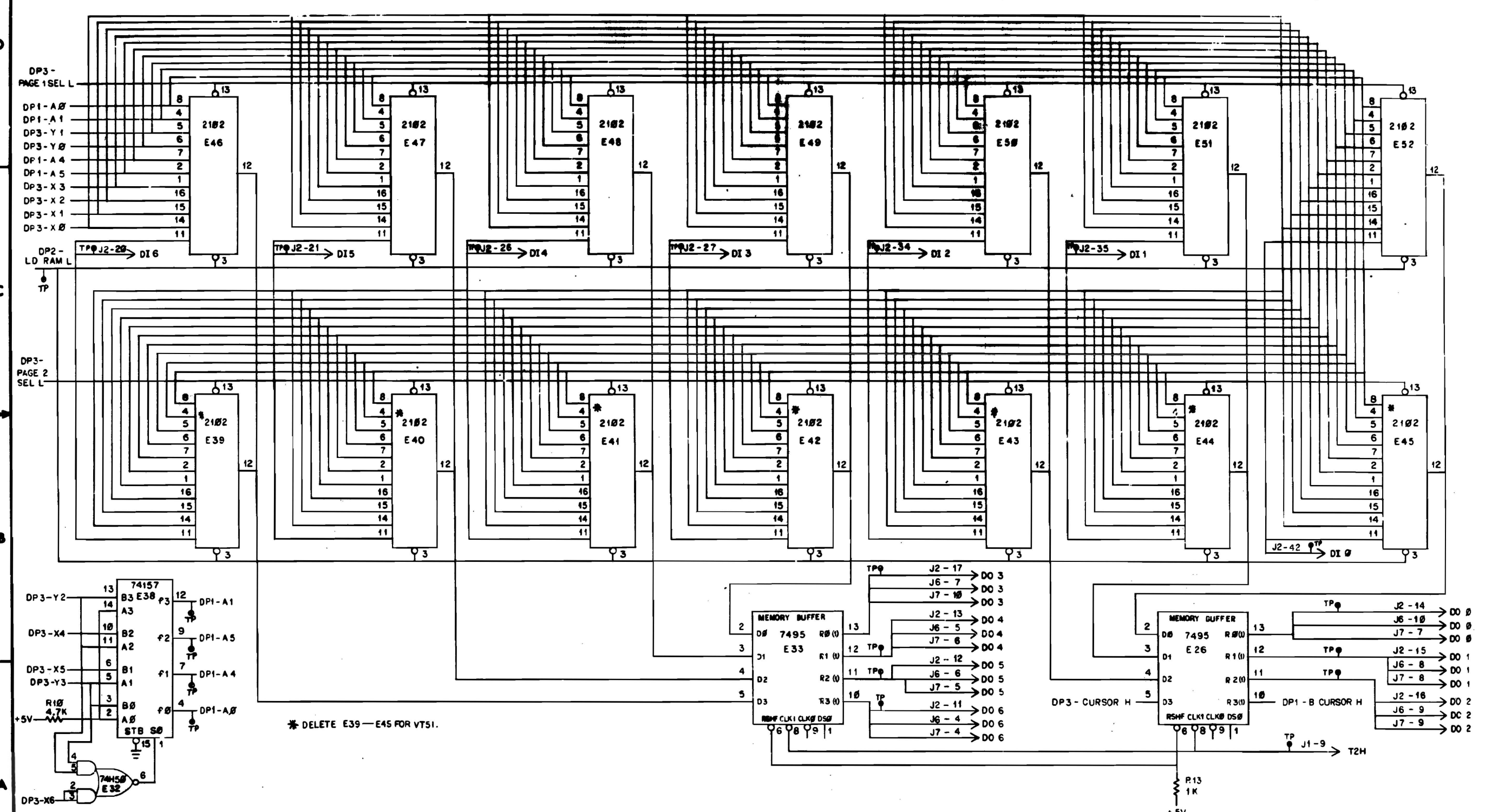
ITEM NO.	DESCRIPTION	COLOR	FROM			TO			WIRE LENGTH
			POINT	CONN	WITH	POINT	CONN	WITH	
134	22	GRN	PI-1			PC-HW1	SOLD		
		YEL	PI-2			PC-HW8			
		BRN	PI-3			PC-HW9			
		BLK	PI-4			PC-HW6			
		RED	PI-6			PC-HW5			
134	22	BLUE	PI-7			PC-HW7			
131	18	BLK			ITEM 130	PC-HW3		76.2 MM	
131	18	BLK				PC-HW7		76.2 MM	
132	18	RED				PC-HW4		76.2 MM	
132	18	RED			ITEM 130	PC-HW2	SOLD	76.2 MM	

NOTE 1. SHOWN BELOW IN VIEW B-B IS A VIEW OF THE SCREW ASSY FOR ALL SIX (6) MOUNTING SCREWS.



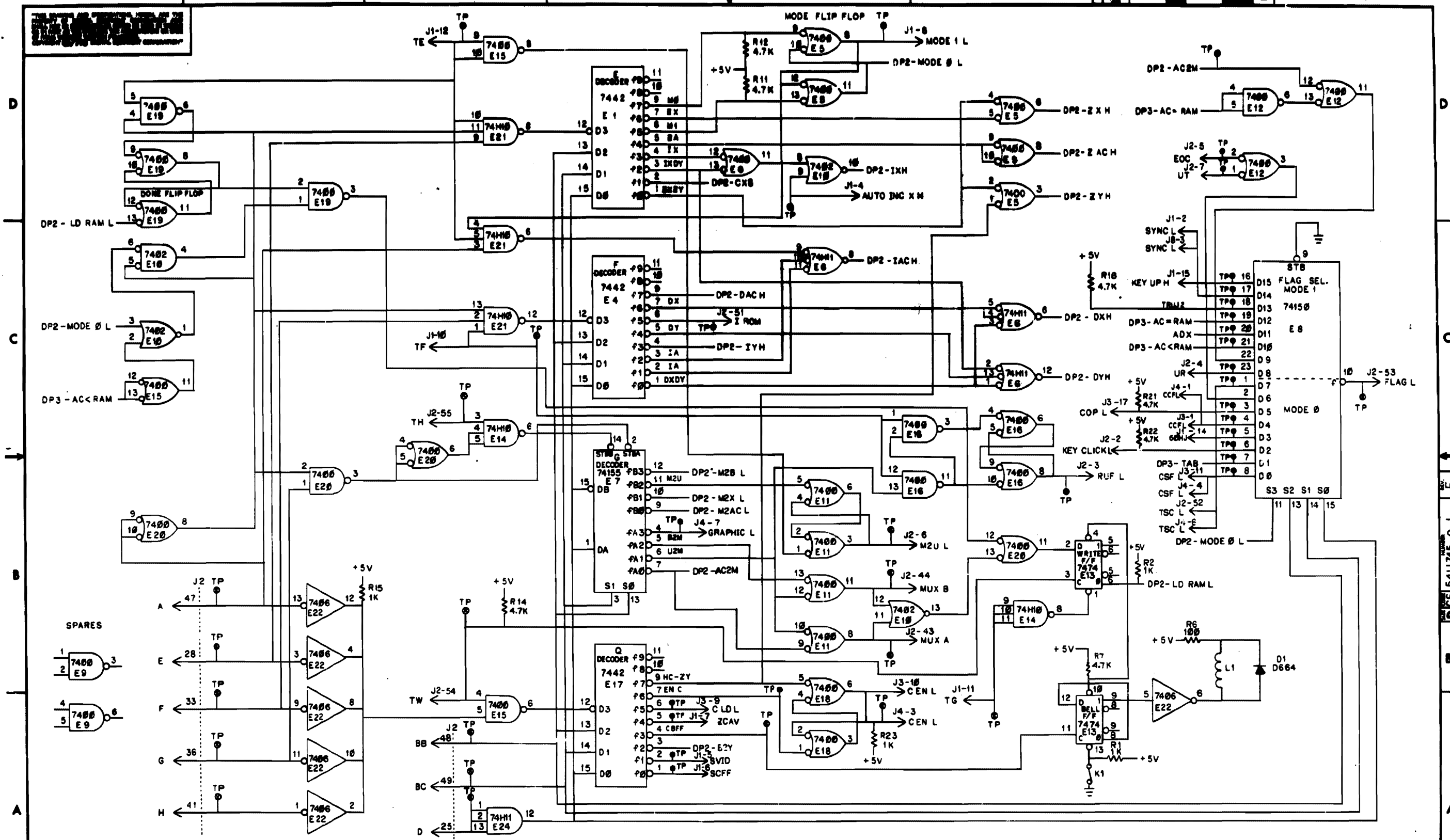
45
143
142
138
137
SEE NOTE 1

REVISIONS		
NO.	DESCRIPTION	BY

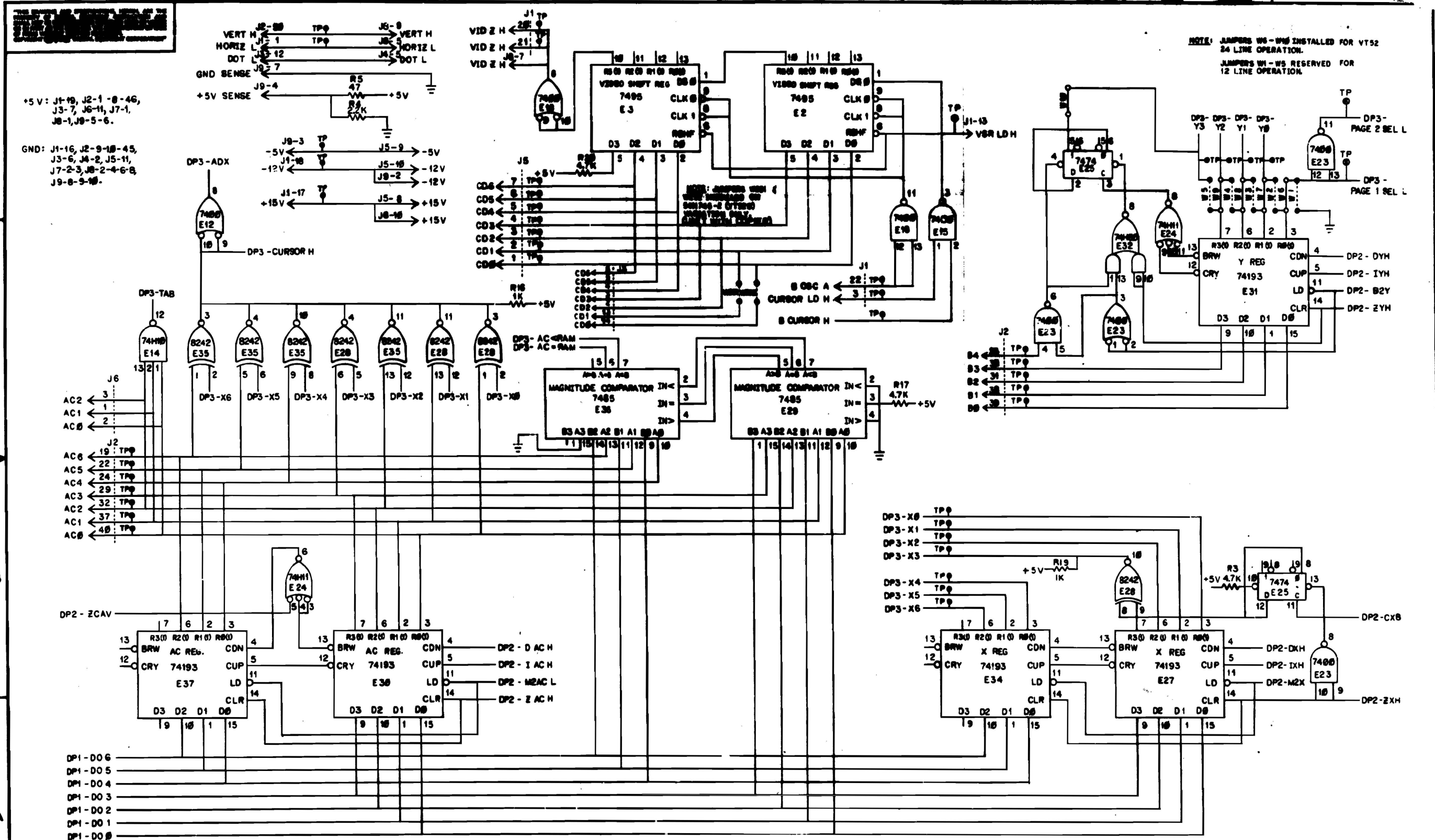


* DELETE E39—E45 FOR VTS1.

CHK	DATE	REV.	TITLE	(DP1)	REVISION	NUMBER	REV.
			DATA PATHS, MEMORY AND DECODERS	D CS	5411745-0-1	F	
			SCALE		SHEET 2 OF 3		



REV.	CHANGE NO.	DESCRIPTION



+5V: J1-19, J2-1-8-46,
J3-7, J6-11, J7-1,
J8-1, J9-5-6.

GND: J1-16, J2-9-18-45,
J3-6, J4-2, J5-11,
J7-2-3, J8-2-4-6-8,
J9-8-9-18.

NOTE: JUMPERS W6-W8 INSTALLED FOR VT52
24 LINE OPERATION.
JUMPERS W1-W5 RESERVED FOR
12 LINE OPERATION.

WIRE TABLE				
ITEM NO	DESCRIPTION	COLOR	FROM CONNECTION	TO CONNECTION
40	21	BLK	---	J9-1
		BRN	---	2
		RED	---	3
		ORN	---	4
		YEL	---	5
		GRN	---	6
		BLU	---	7
		VIO	---	8
		GRY	---	9
40		WHT	---	J9-10
40		BLK	---	J8-1
		BRN	---	2
		RED	---	3
		ORN	---	4
		YEL	---	5
		GRN	---	6
		BLU	---	7
		VIO	---	8
		GRY	---	9
40	22	WHT	---	J8-10

- J1 BUT CONN.**
- 1 HORIZ L
 - 2 SYNC L
 - 3 CURSOR LDH
 - 4 AUTO INC X H
 - 5 SVID
 - 6 SCFF
 - 7 ZCAV
 - 8 MODE I L
 - 9 TZH
 - 10 TF
 - 11 TG
 - 12 TE
 - 13 VSR LDH
 - 14 GNMJ
 - 15 KEY UP H
 - 16 GND
 - 17 +15V
 - 18 -12V
 - 19 +5V
 - 20 VID Z H
 - 21 VID Z H
 - 22 B OSCA

- J2 KEY CONN.**
- 1 +5V
 - 2 KEY CLK L
 - 3 KEY UP L
 - 4 UA
 - 5 UT
 - 6 MSUL
 - 7 BDC
 - 8 +5V
 - 9 GND
 - 10 GND
 - 11 DOG
 - 12 DO5
 - 13 DO4
 - 14 DOB
 - 15 DO1
 - 16 DO2
 - 17 DO3
 - 18 MSUL
 - 19 AC 6
 - 20 AC 6
 - 21 AC 5
 - 22 AC 8
 - 23 B4
 - 24 AC 4
 - 25 O
 - 26 DI 4
 - 27 DI 3
 - 28 F

- J3 COPPER CONN.**
- 1 CCFL
 - 2 CD2
 - 3 CD3
 - 4 CD4
 - 5 CD5
 - 6 GND
 - 7 +5V
 - 8 CD6
 - 9 CLDL
 - 10 ENL
 - 11 CCFL
 - 12 CD1
 - 13 CD1
 - 14 CD8
 - 15 CD8
 - 16 CD8
 - 17 COPL
 - 18
 - 19
 - 20

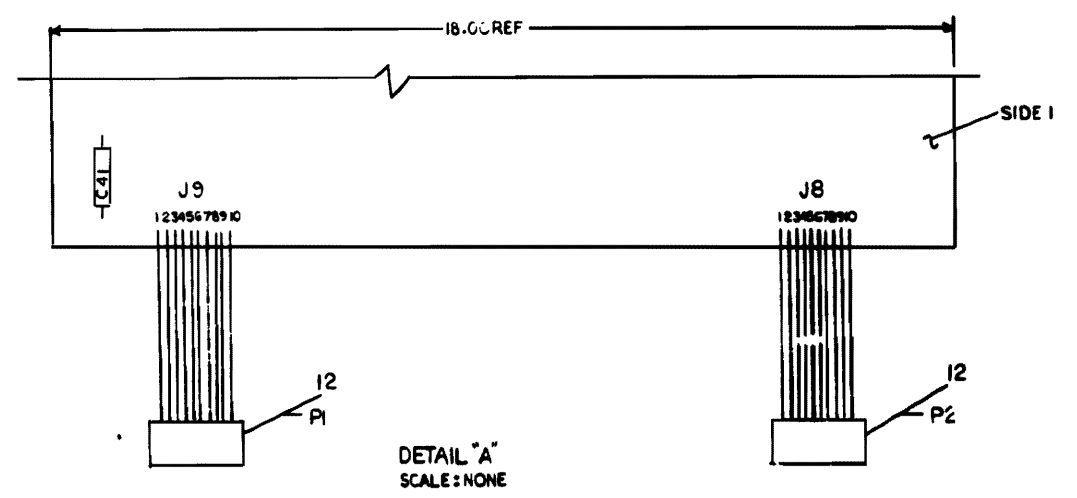
- J4 GRAPHICS CONN.**
- 1 CCFL
 - 2 GND
 - 3 CCFL
 - 4 CCFL
 - 5 DO4
 - 6 DO5
 - 7 DO3
 - 8 DO1
 - 9 DO2
 - 10 DO2
 - 11 +5V

- J5 CHARACTER CONN.**
- 1 AC1
 - 2 AC2
 - 3 AC3
 - 4 DO6
 - 5 DO4
 - 6 DO5
 - 7 DO3
 - 8 DO1
 - 9 DO2
 - 10 DO2
 - 11 +5V

- J6 MONITOR CONN.**
- 1 +5V
 - 2 GND
 - 3 SYNC L
 - 4 GND
 - 5 HORIZ L
 - 6 GND
 - 7 VID Z H
 - 8 GND
 - 9 VERT H
 - 10 +15V

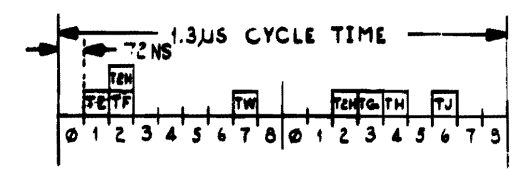
- J9 POWER CONN.**
- 1 -12V
 - 2 -5V
 - 3 +5V SENSE
 - 4 +5V
 - 5 +5V
 - 6 +5V
 - 7 GND SENSE
 - 8 GND
 - 9 GND
 - 10 GND

- J7 GRAPHICS CONN.**
- 1 +5V
 - 2 GND
 - 3 GND
 - 4 DO5
 - 5 DO4
 - 6 DO4
 - 7 DO2
 - 8 DO1
 - 9 DO2
 - 10 DO3



REVISIONS		
CHK	CHANGE NO.	REV.

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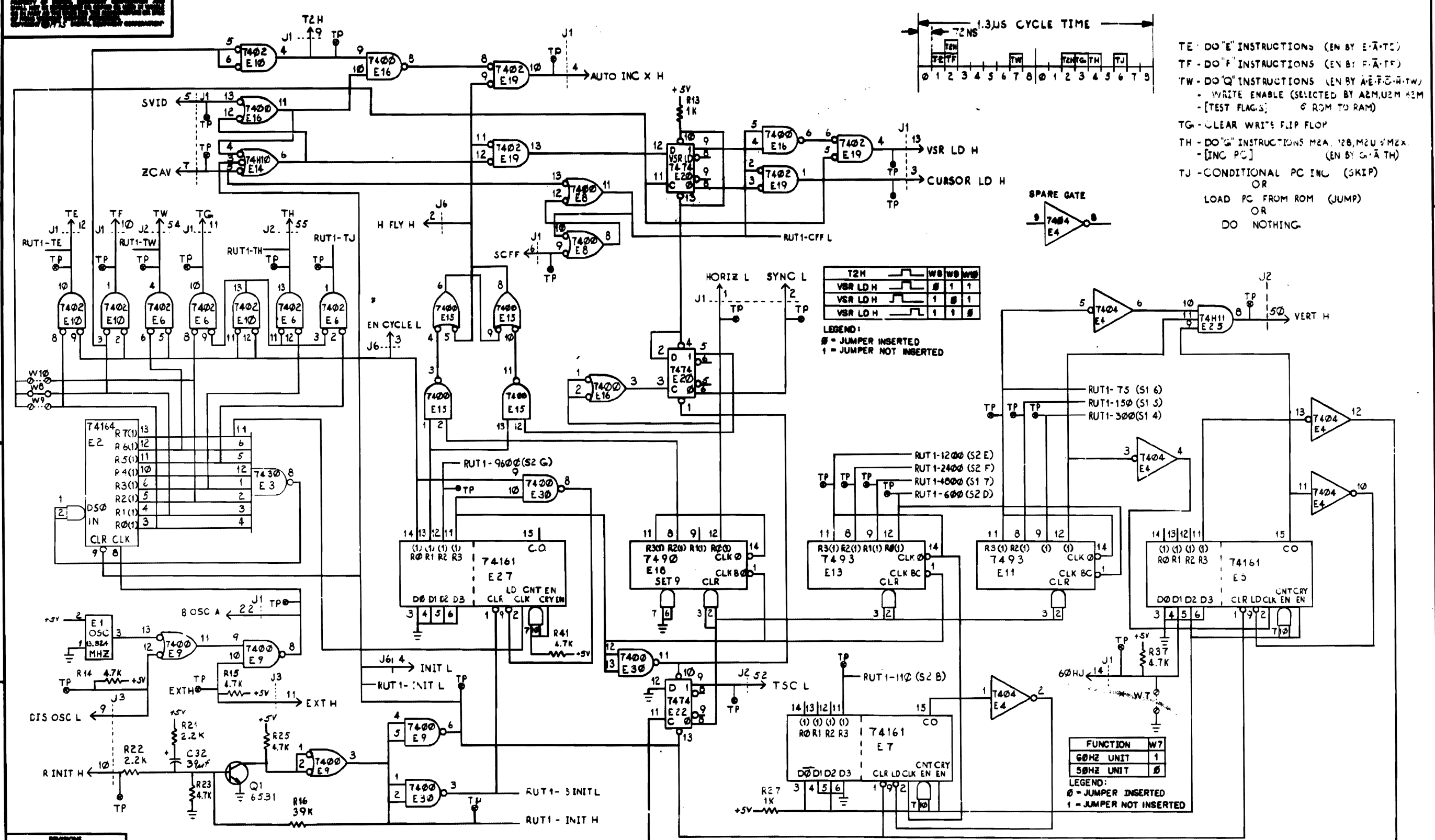
- TE - DO "E" INSTRUCTIONS (EN BY E-A-TE)
- TF - DO "F" INSTRUCTIONS (EN BY F-A-TF)
- TW - DO "W" INSTRUCTIONS (EN BY W-A-TW) - WRITE ENABLE (SELECTED BY ARM, U2M ARM) - [TEST FLAGS] ROM TO RAM
- TG - CLEAR WRITE FLIP FLOP
- TH - DO "H" INSTRUCTIONS (EN BY H-A-TH) - [INC PC] M2B, M2U, M2X
- TJ - CONDITIONAL PC INC (SKIP) OR LOAD PC FROM ROM (JUMP) OR DO NOTHING.

T2H	WB	WB	WB
VSR LD H	#	1	1
VSR LD H	1	#	1
VSR LD H	1	1	#

LEGEND:
- JUMPER INSERTED
1 - JUMPER NOT INSERTED

FUNCTION	W7
60HZ UNIT	1
50HZ UNIT	0

LEGEND:
0 - JUMPER INSERTED
1 - JUMPER NOT INSERTED

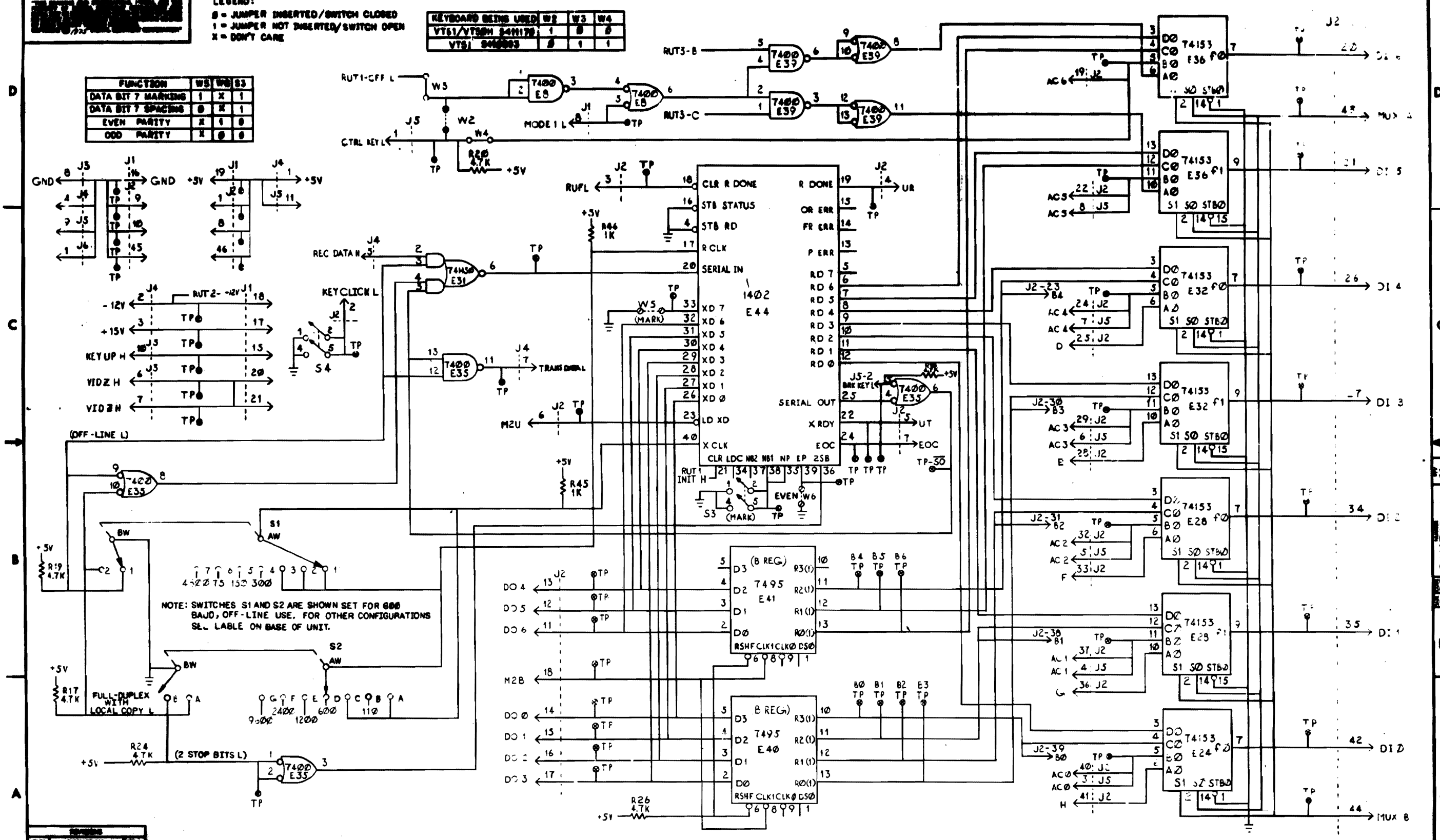


REVISIONS		
CHK	CHANGE NO.	REV.

LEGEND:
 B = JUMPER INSERTED/SWITCH CLOSED
 1 = JUMPER NOT INSERTED/SWITCH OPEN
 X = DON'T CARE

KEYBOARD BEING USED	W2	W3	W4
VT61/VT30H 84H170	1	B	B
VT61 84H203	B	1	1

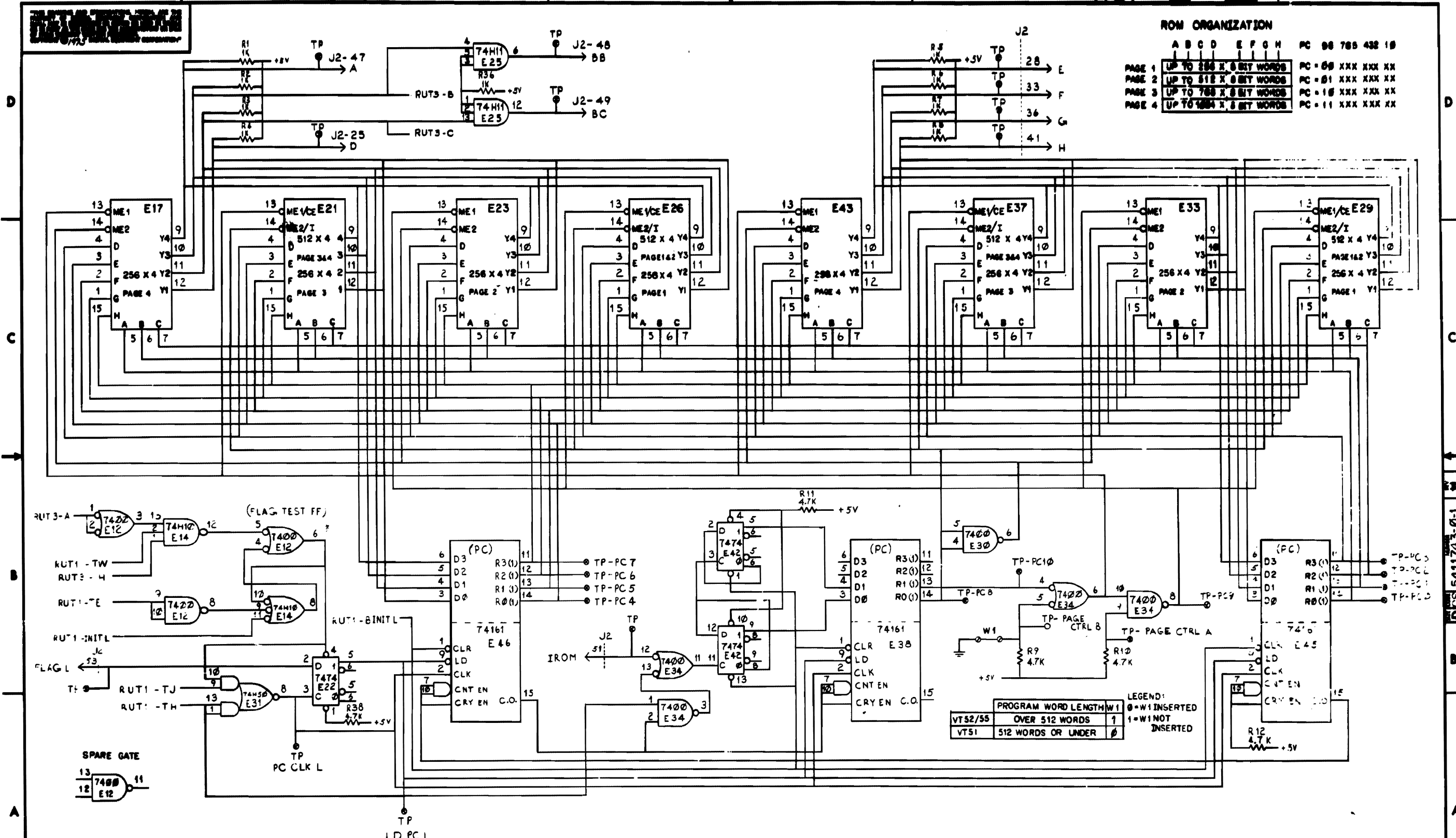
FUNCTION	W2	W3	W4
DATA BIT 7 MARKING	1	X	1
DATA BIT 7 SPACING	B	X	1
EVEN PARITY	X	1	B
ODD PARITY	X	B	B



NOTE: SWITCHES S1 AND S2 ARE SHOWN SET FOR 600 BAUD, OFF-LINE USE. FOR OTHER CONFIGURATIONS SEE LABEL ON BASE OF UNIT.

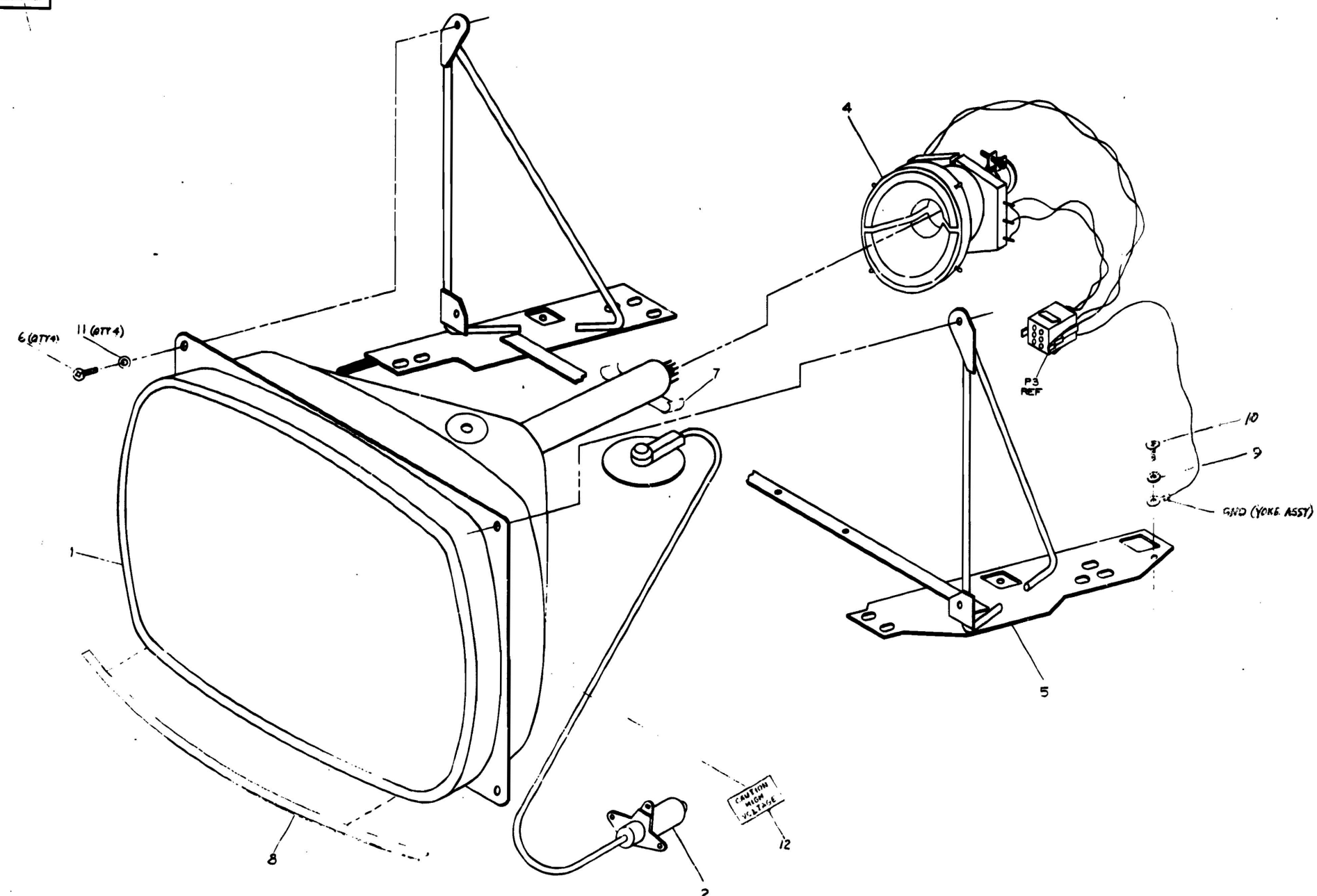
ROM ORGANIZATION

	A	B	C	D	E	F	G	H	PC	08	785	432	18
PAGE 1	UP TO 256 X 8 BIT WORDS								PC = 00	XXX	XXX	XX	
PAGE 2	UP TO 512 X 8 BIT WORDS								PC = 01	XXX	XXX	XX	
PAGE 3	UP TO 768 X 8 BIT WORDS								PC = 10	XXX	XXX	XX	
PAGE 4	UP TO 1024 X 8 BIT WORDS								PC = 11	XXX	XXX	XX	



REV.	CHANGE NO.	REV.

7010859-00



METRIC DIMENSIONS

1	DECAL, HIGH VOLTAGE	3610-067	12
2	LOCKWASHER, INT. THT	9006636	11
3	SCREW MACH, #6-32	9006021-1	10
4	LOCKWASHER, EXT. THT	9007649	9
5	TAPE, GREEN	07821	8
6	TAPE, GRAY DULT	079339	7
7	SCREW TRUSS HD, MACH	079337-3	6
8	WIREFORM, CRT	1-2A-7411	5
9	ASSEMBLY YOKE	25-700000	4
10	CONN, HIGH VOLTAGE	000000	3
11	CONN, HIGH VOLTAGE	000000	2
12	TUBE, CATHODE RAY	12-901	1

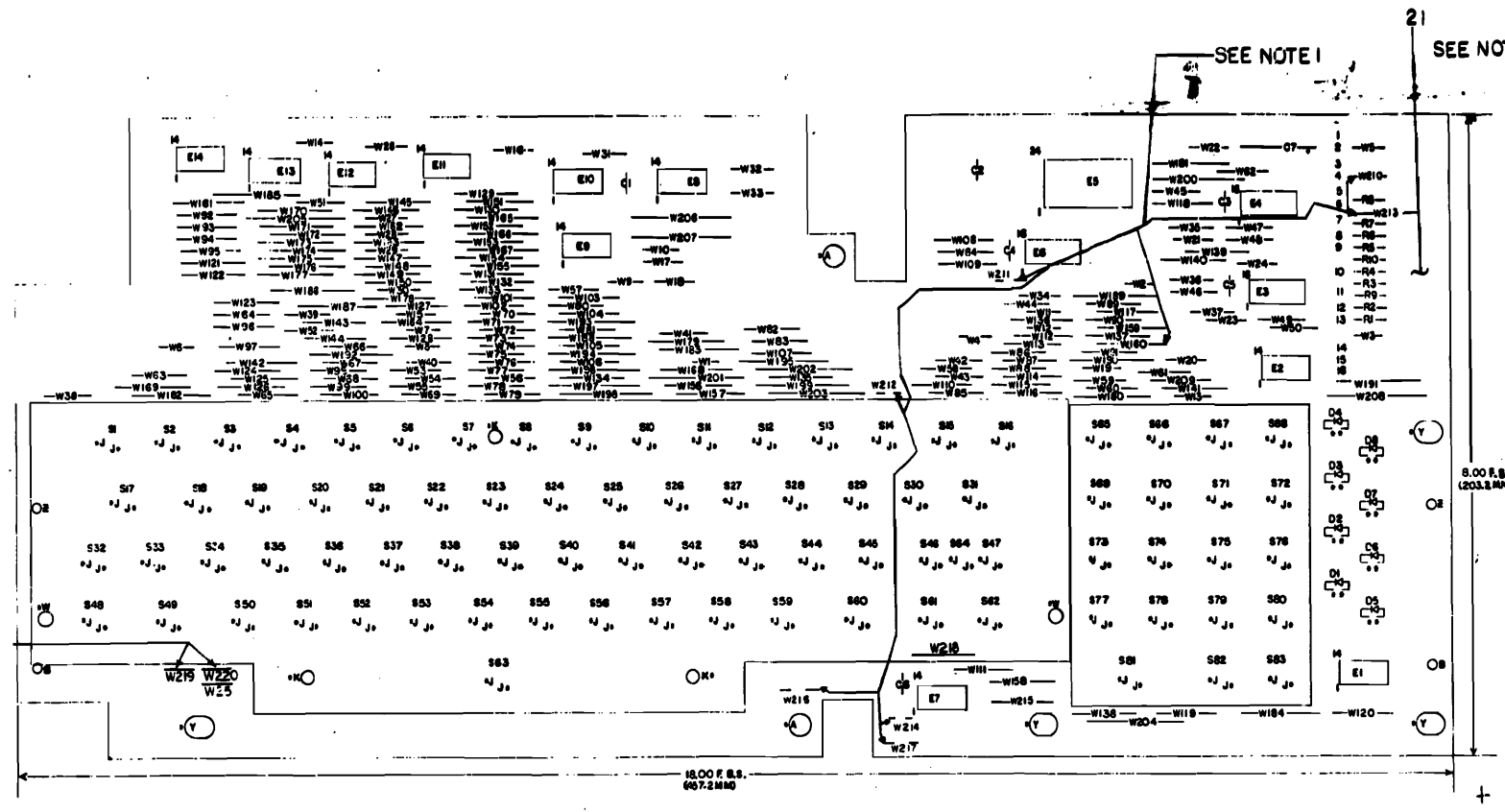
ASSEMBLY, CRT

AD 7010859-00 C

NOTES:
 1. OPTIONAL JUMPERS: SEE SHEET 2 FOR CONFIGURATION TABLE.
 2. SEE SHEET 3 OF 5 FOR WIRE TABLE.
 3. SEE SHEETS 4&5 FOR VARIATION KEYCAP PLACEMENT.
 4. NOTE THAT THE BQM. FOR ALL VARIATIONS OF THIS BOARD MAY REQUIRE UPDATING ON ANY ECO.

VARIATION	COMMENT
541170-0	VT61
541170-1	HEAT CYCLED, SYSTEM-TESTED 541170-0
541170-2	BASIC VT50H
541170-3	HEAT CYCLED, SYSTEM-TESTED 541170-2
541170-4	VT52
541170-5	HEAT CYCLED, SYSTEM TESTED 541170-4
541170-6	VT61T
541170-7	HEAT CYCLED, SYSTEM TESTED 541170-6
541170-8	VT52-W
541170-9	HEAT CYCLED, SYS. TESTED 541170-8
541170-10	VT62
541170-11	HEAT CYCLED, SYS. TESTED 541170-10

541170-0
541170-8
541170-6
541170-4
541170-2
541170-0



QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	X-COORDINATE HOLE LOCATION	K-CO-541170-0-4		1
1	ASSY/DRILLING HOLE LAYOUT	E-AH-541170-0-2		2
1	MODULE ECO HISTORY	B-MH-541170-0-3		3
1	ETCH CIRCUIT BOARD	5011169		4
6	CI-C6	CAP. 0.1-100V, 20% DISC	1001610-01	5
1	C7	CAP. 50-1, 25V	1001796	6
65	65 KEY ARRAY	KEYCAPS (1SET)	1212287-C5	7
1	KEYCAP CREP-BATY		1001610-01	8
1	SPACE BAR, BLUE		7009839-1	9
19	19 KEY ARRAY	KEYCAPS (1SET)	1212287-00	10
8	DI-D8	DIODE MV5054-1 LED	1110864	11
2	R7-R18	RES. 1K, 1/4W, 5%	1300365	12
8	R1-R8	RES. 330, 1/4W, 5%	1300295	13
1	E6	IC DEC 7442	1910046	14
1	E5	IC DEC 74150	1910155	15
10	E1, E2, E7-E14	IC DEC 7430	1905578	16
2	E3, E4	IC DEC 74175	1910651	17
1	S1-S63	65 KEY SWITCH ASS'Y	7009892	18
1	665-S85	19 KEYSWITCH ASS'Y	7009890	19
28	WI-W210, W212-W218, W220	REEL JUMPER	910778C-01	20
1		CABLE KEYBOARD VT50/VT50H	E-1A-701-912-0-0	21
1		INTERCONN., KEYBOARD, VT61	E-1A-7012013-0-0	22
3		WASHER, INT TOOTH	9006693	23
1		KEYCAPS (1SET)	1212287-E1	24
1		KEYCAPS (1SET)	1212287-M5	25
1		KEYCAPS (1SET)	1212287-R0	26
1		KEYCAPS (1SET)	1212287-R1	27
1		KEYCAPS (1SET)	1212287-5B	28
1		KEYCAPS (1SET)	1212287-6E	29

IC TYPE	QTY	LOCATIONS
DEC IC 7442	8	16
DEC IC 74175	8	16
DEC IC 74150	12	24
IC TYPE	QTY	LOCATIONS

QTY AND BY ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPT WHERE STATED ABOVE

IC PIN LOCATIONS

REVISIONS

1	ORIGINATED	A	12-18-74
2	CHANGED	B	1-15-75
3	CHANGED	C	2-10-75
4	CHANGED	D	3-10-75
5	CHANGED	E	4-10-75
6	CHANGED	F	5-10-75
7	CHANGED	G	6-10-75
8	CHANGED	H	7-10-75
9	CHANGED	I	8-10-75
10	CHANGED	J	9-10-75

FIRST USED ON OPTION MODEL: VT61/VT50

ETCH BOARD REV. C

PARTS LIST

digital

TITLE: KEYBOARD VT61/VT50H

SIZE CODE: DCS 541170-0-1

NUMBER: 1

REV. J

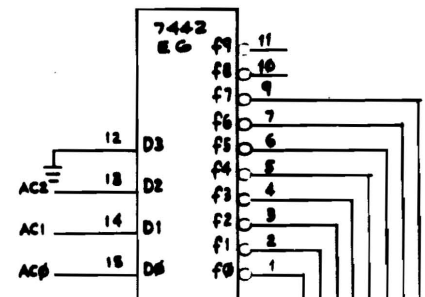
SEMICONDUCTOR CONVERSION CHART

SHEET 1 OF 5

THE SYMBOLS AND NOTATION USED ON THIS SHEET ARE IN ACCORDANCE WITH THE MIL-STD-883C, 883D, 883E, 883F, 883G, 883H, 883I, 883J, 883K, 883L, 883M, 883N, 883O, 883P, 883Q, 883R, 883S, 883T, 883U, 883V, 883W, 883X, 883Y, 883Z, 883AA, 883AB, 883AC, 883AD, 883AE, 883AF, 883AG, 883AH, 883AI, 883AJ, 883AK, 883AL, 883AM, 883AN, 883AO, 883AP, 883AQ, 883AR, 883AS, 883AT, 883AU, 883AV, 883AW, 883AX, 883AY, 883AZ, 883BA, 883BB, 883BC, 883BD, 883BE, 883BF, 883BG, 883BH, 883BI, 883BJ, 883BK, 883BL, 883BM, 883BN, 883BO, 883BP, 883BQ, 883BR, 883BS, 883BT, 883BU, 883BV, 883BW, 883BX, 883BY, 883BZ, 883CA, 883CB, 883CC, 883CD, 883CE, 883CF, 883CG, 883CH, 883CI, 883CJ, 883CK, 883CL, 883CM, 883CN, 883CO, 883CP, 883CQ, 883CR, 883CS, 883CT, 883CU, 883CV, 883CW, 883CX, 883CY, 883CZ, 883DA, 883DB, 883DC, 883DD, 883DE, 883DF, 883DG, 883DH, 883DI, 883DJ, 883DK, 883DL, 883DM, 883DN, 883DO, 883DP, 883DQ, 883DR, 883DS, 883DT, 883DU, 883DV, 883DW, 883DX, 883DY, 883DZ, 883EA, 883EB, 883EC, 883ED, 883EE, 883EF, 883EG, 883EH, 883EI, 883EJ, 883EK, 883EL, 883EM, 883EN, 883EO, 883EP, 883EQ, 883ER, 883ES, 883ET, 883EU, 883EV, 883EW, 883EX, 883EY, 883EZ, 883FA, 883FB, 883FC, 883FD, 883FE, 883FF, 883FG, 883FH, 883FI, 883FJ, 883FK, 883FL, 883FM, 883FN, 883FO, 883FP, 883FQ, 883FR, 883FS, 883FT, 883FU, 883FV, 883FW, 883FX, 883FY, 883FZ, 883GA, 883GB, 883GC, 883GD, 883GE, 883GF, 883GG, 883GH, 883GI, 883GJ, 883GK, 883GL, 883GM, 883GN, 883GO, 883GP, 883GQ, 883GR, 883GS, 883GT, 883GU, 883GV, 883GW, 883GX, 883GY, 883GZ, 883HA, 883HB, 883HC, 883HD, 883HE, 883HF, 883HG, 883HH, 883HI, 883HJ, 883HK, 883HL, 883HM, 883HN, 883HO, 883HP, 883HQ, 883HR, 883HS, 883HT, 883HU, 883HV, 883HW, 883HX, 883HY, 883HZ, 883IA, 883IB, 883IC, 883ID, 883IE, 883IF, 883IG, 883IH, 883II, 883IJ, 883IK, 883IL, 883IM, 883IN, 883IO, 883IP, 883IQ, 883IR, 883IS, 883IT, 883IU, 883IV, 883IW, 883IX, 883IY, 883IZ, 883JA, 883JB, 883JC, 883JD, 883JE, 883JF, 883JG, 883JH, 883JI, 883JJ, 883JK, 883JL, 883JM, 883JN, 883JO, 883JP, 883JQ, 883JR, 883JS, 883JT, 883JU, 883JV, 883JW, 883JX, 883JY, 883JZ, 883KA, 883KB, 883KC, 883KD, 883KE, 883KF, 883KG, 883KH, 883KI, 883KJ, 883KK, 883KL, 883KM, 883KN, 883KO, 883KP, 883KQ, 883KR, 883KS, 883KT, 883KU, 883KV, 883KW, 883KX, 883KY, 883KZ, 883LA, 883LB, 883LC, 883LD, 883LE, 883LF, 883LG, 883LH, 883LI, 883LJ, 883LK, 883LM, 883LN, 883LO, 883LP, 883LQ, 883LR, 883LS, 883LT, 883LU, 883LV, 883LW, 883LX, 883LY, 883LZ, 883MA, 883MB, 883MC, 883MD, 883ME, 883MF, 883MG, 883MH, 883MI, 883MJ, 883MK, 883ML, 883MN, 883MO, 883MP, 883MQ, 883MR, 883MS, 883MT, 883MU, 883MV, 883MW, 883MX, 883MY, 883MZ, 883NA, 883NB, 883NC, 883ND, 883NE, 883NF, 883NG, 883NH, 883NI, 883NJ, 883NK, 883NL, 883NM, 883NO, 883NP, 883NQ, 883NR, 883NS, 883NT, 883NU, 883NV, 883NW, 883NX, 883NY, 883NZ, 883OA, 883OB, 883OC, 883OD, 883OE, 883OF, 883OG, 883OH, 883OI, 883OJ, 883OK, 883OL, 883OM, 883ON, 883OO, 883OP, 883OQ, 883OR, 883OS, 883OT, 883OU, 883OV, 883OW, 883OX, 883OY, 883OZ, 883PA, 883PB, 883PC, 883PD, 883PE, 883PF, 883PG, 883PH, 883PI, 883PJ, 883PK, 883PL, 883PM, 883PN, 883PO, 883PP, 883PQ, 883PR, 883PS, 883PT, 883PU, 883PV, 883PW, 883PX, 883PY, 883PZ, 883QA, 883QB, 883QC, 883QD, 883QE, 883QF, 883QG, 883QH, 883QI, 883QJ, 883QK, 883QL, 883QM, 883QN, 883QO, 883QP, 883QQ, 883QR, 883QS, 883QT, 883QU, 883QV, 883QW, 883QX, 883QY, 883QZ, 883RA, 883RB, 883RC, 883RD, 883RE, 883RF, 883RG, 883RH, 883RI, 883RJ, 883RK, 883RL, 883RM, 883RN, 883RO, 883RP, 883RQ, 883RR, 883RS, 883RT, 883RU, 883RV, 883RW, 883RX, 883RY, 883RZ, 883SA, 883SB, 883SC, 883SD, 883SE, 883SF, 883SG, 883SH, 883SI, 883SJ, 883SK, 883SL, 883SM, 883SN, 883SO, 883SP, 883SQ, 883SR, 883SS, 883ST, 883SU, 883SV, 883SW, 883SX, 883SY, 883SZ, 883TA, 883TB, 883TC, 883TD, 883TE, 883TF, 883TG, 883TH, 883TI, 883TJ, 883TK, 883TL, 883TM, 883TN, 883TO, 883TP, 883TQ, 883TR, 883TS, 883TT, 883TU, 883TV, 883TW, 883TX, 883TY, 883TZ, 883UA, 883UB, 883UC, 883UD, 883UE, 883UF, 883UG, 883UH, 883UI, 883UJ, 883UK, 883UL, 883UM, 883UN, 883UO, 883UP, 883UQ, 883UR, 883US, 883UT, 883UU, 883UV, 883UW, 883UX, 883UY, 883UZ, 883VA, 883VB, 883VC, 883VD, 883VE, 883VF, 883VG, 883VH, 883VI, 883VJ, 883VK, 883VL, 883VM, 883VN, 883VO, 883VP, 883VQ, 883VR, 883VS, 883VT, 883VU, 883VV, 883VW, 883VX, 883VY, 883VZ, 883WA, 883WB, 883WC, 883WD, 883WE, 883WF, 883WG, 883WH, 883WI, 883WJ, 883WK, 883WL, 883WM, 883WN, 883WO, 883WP, 883WQ, 883WR, 883WS, 883WT, 883WU, 883WV, 883WW, 883WX, 883WY, 883WZ, 883XA, 883XB, 883XC, 883XD, 883XE, 883XF, 883XG, 883XH, 883XI, 883XJ, 883XK, 883XL, 883XM, 883XN, 883XO, 883XP, 883XQ, 883XR, 883XS, 883XT, 883XU, 883XV, 883XW, 883XX, 883XY, 883XZ, 883YA, 883YB, 883YC, 883YD, 883YE, 883YF, 883YG, 883YH, 883YI, 883YJ, 883YK, 883YL, 883YM, 883YN, 883YO, 883YP, 883YQ, 883YR, 883YS, 883YT, 883YU, 883YV, 883YW, 883YX, 883YY, 883YZ, 883ZA, 883ZB, 883ZC, 883ZD, 883ZE, 883ZF, 883ZG, 883ZH, 883ZI, 883ZJ, 883ZK, 883ZL, 883ZM, 883ZN, 883ZO, 883ZP, 883ZQ, 883ZR, 883ZS, 883ZT, 883ZU, 883ZV, 883ZW, 883ZX, 883ZY, 883ZZ

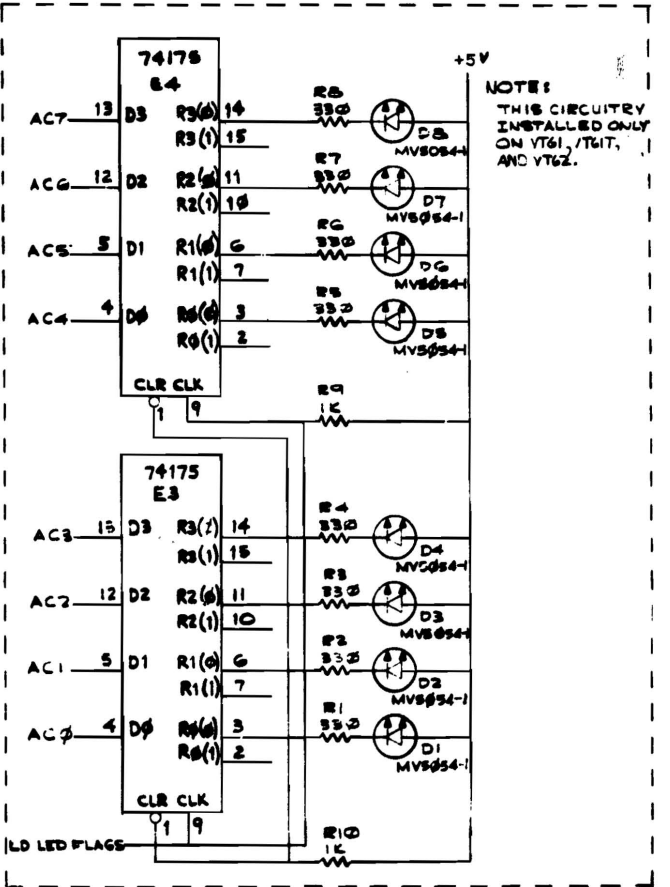
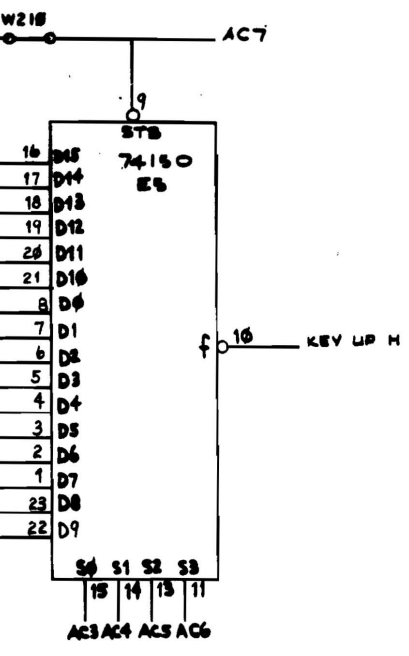
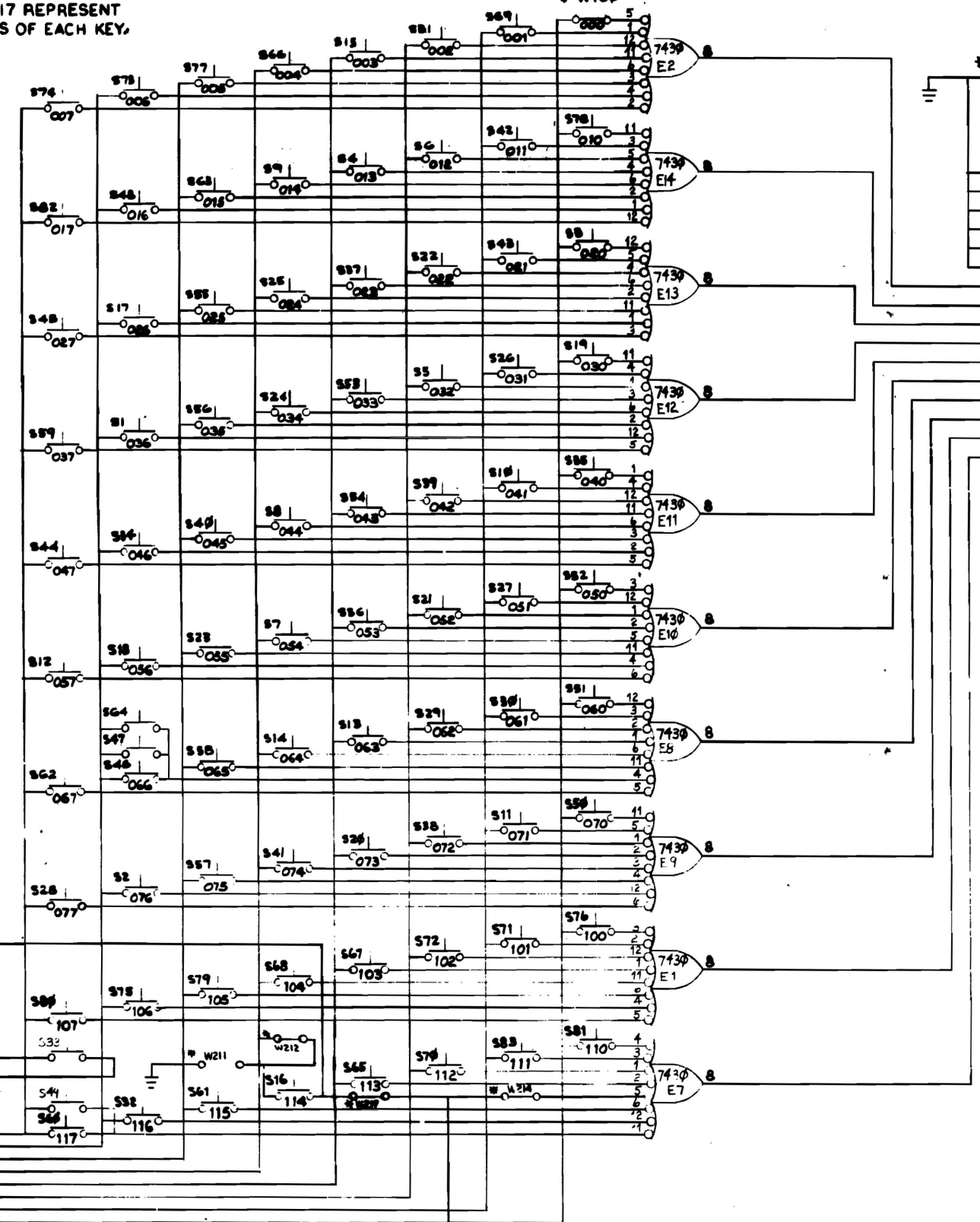
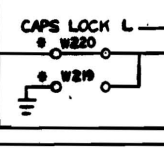
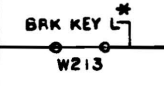
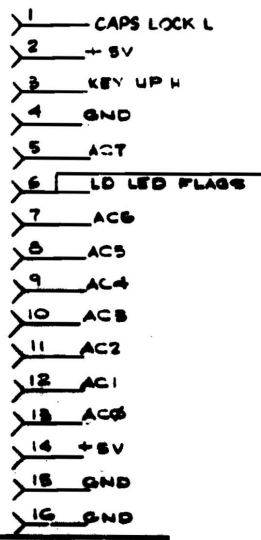
NOTE: NUMBERS 000 THRU 117 REPRESENT THE OCTAL AC ADDRESS OF EACH KEY.

JUMPER	VT50H, J 5411170-2	VT52, 52-W 5411170-4 5411170-8	VT6/VT6T/VT6Z 5411170-0 5411170-6 5411170-10
W160	IN	IN	OUT
W210	IN	IN	OUT
W211	IN	IN	OUT
W212	OUT	OUT	IN
W213	IN	IN	OUT
W214	OUT	IN	IN
W216	OUT	IN	OUT
W217	OUT	OUT	IN
W219	IN	OUT	IN
W220	OUT	IN	OUT



NOTE: SEE SHEET 3 FOR WIRE TABLES

FCI CONN



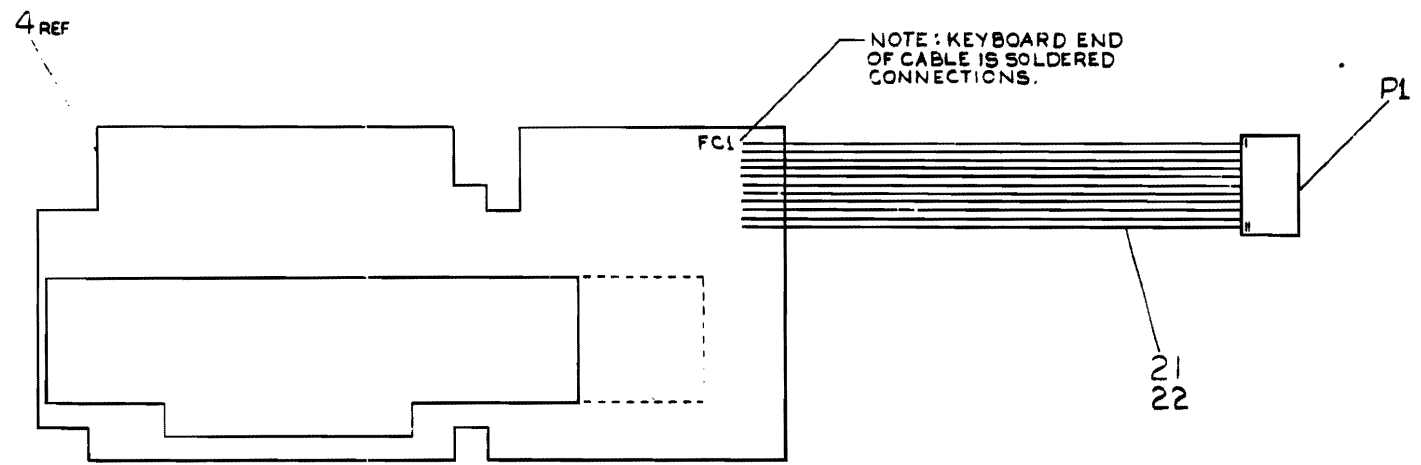
NOTE: THIS CIRCUITRY INSTALLED ONLY ON VT61, VT6T, AND VT6Z.

REV	CHANGE NO.	REV.

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WIRE TABLE (5411170-2,4,8)					
ITEM NO.	DESCRIPTION	FROM	TO	REMARKS	
AWG	COLOR	CONNECTION	CONNECTION		
21	22	BLK	P1-1	FC1-2	+5V
		BRN	P1-2	FC1-3	KEY UP H
		RED	P1-3	FC1-4	GND
		ORN	P1-4	FC1-5	AC 5
		YEL	P1-5	FC1-9	AC 4
		GRN	P1-6	FC1-10	AC 3
		BLU	P1-7	FC1-11	AC 2
		VIO	P1-8	FC1-12	AC 1
		GRY	P1-9	FC1-13	AC 0
		WHT	P1-10	FC1-6	BRK KEY
21	22	BLU	P1-11	FC1-7	AC 6

WIRE TABLE (5411170-0,6,10)					
ITEM NO.	DESCRIPTION	FROM	TO	REMARKS	
AWG	COLOR	CONNECTION	CONNECTION		
22	22	BLK	P1-1	FC1-1	CAPS LOGIC
		BRN	P1-2	FC1-2	+5V
		RED	P1-3	FC1-3	KEY UP
		ORN	P1-4	FC1-4	GND
		YEL	P1-5	FC1-5	AC 7
		GRN	P1-6	FC1-6	LO LED FLAGS
		BLU	P1-7	FC1-7	AC 6
		VIO	P1-8	FC1-8	AC 5
		GRY	P1-9	FC1-9	AC 4
		WHT	P1-10	FC1-10	AC 3
		WHT/BLK	P1-11	FC1-11	AC 2
		WHT/BRN	P1-12	FC1-12	AC 1
		WHT/RED	P1-13	FC1-13	AC 0
		WHT/ORN	P1-14	FC1-14	+5V
		WHT/YEL	P1-15	FC1-15	GND
22	22	WHT/BLU	P1-16	FC1-16	GND



INCH

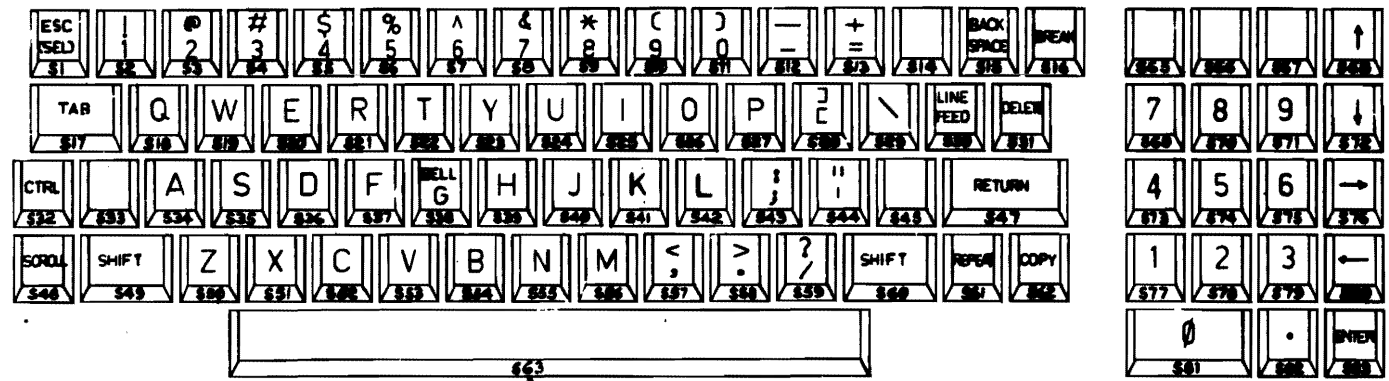
QUANTITY & VARIATION	DESCRIPTION	DWG. PART NO.	ITEM NO.
THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
REMOVE BURRS AND BREAK SHARP CORNERS	ANGLES 10° 30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
DO NOT SCALE DWG	SURFACE QUALITY IN	MEDIUM	OVER 9 TO 0.2
MATERIAL	FINISH	PREferred	0.004 0.005 0.012 0.016 0.024 0.04
FINISH	ORIGINATOR	DATE	0.012 0.016 0.025 0.04 0.063 0.1
	CHK'D	FIRST USED ON	
	ENG.	VT50H/VT61	
	PROJ. ENG.	TITLE	
	PROD. ENG.	KEYBOARD vT61/VT50H	
		(CABLE CONN)	
		SIZE	NUMBER
		D CS 541170-	-1 J
		SHEET	OF 5
		DIST.	

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1-0-021170-0-1 2

NOTES: 1. THE KEYCAP PLACEMENT ON THIS SHEET REPRESENTS THE VT50H, VT50J PLACEMENT. TO FIND KEYCAP LOCATIONS FOR OTHER VARIATIONS MATCH THE SWITCH NUMBERS (EXAMPLE S9) ON EACH KEYCAP ON THIS SHEET WITH THE CORRESPONDING SWITCH NUMBER FOR THE DESIRED VARIATION ON SHEET 5.
2. SEE PARTS LIST FOR ITEM NUMBERS FOR DESIRED VARIATIONS.

SEE NOTE 2

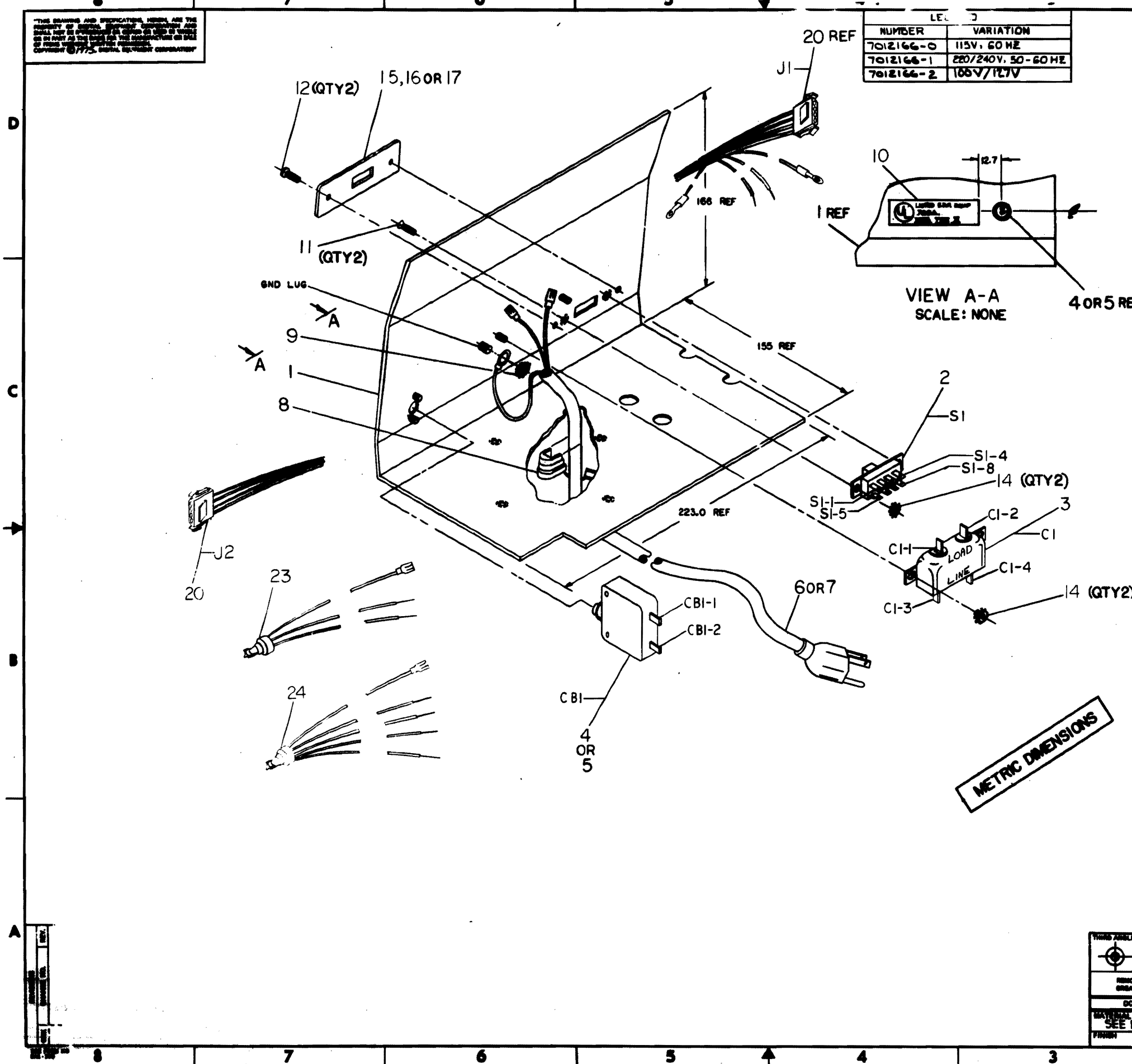


DRW. BY: M. D. ...	3-1-75	FIRST USED ON:	VT50 H/ VT61	40-00-00
CHK'D BY: ...	5/75	TITLE:	KEYBOARD VT61/VT50H	
ENG. BY: ...	7-2-75		(KEYCAP VARIATIONS)	
PROD. ENG. BY: ...	8-14-75			
NEXT NUMBER ASSY.		SIZE CODE:	D CS	NUMBER: 54 11170-0-1
SCALE: NONE		REV.:	J	
SHEET 4 OF 5		DIST.		

D CS 541170-0-1 J

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LEV. 3	
NUMBER	VARIATION
7012166-0	115V, 60 HZ
7012166-1	220/240V, 50-60 HZ
7012166-2	105V/127V



1	1	-	JUMPER WIRE ASSY (WHT)	2-IA-70122120-0	24
1	1	-	JUMPER WIRE ASSY (BLK)	2-IA-7012211-0-0	23
NR	NR	NR	TUBING, HEAT SHRINK (WHT)	9107252-09	22
2	2	4	TERMINAL, QUICK CONNECT	1007919-00	21
1	1	1	CABLE, PRIMARY POWER	D-IA-7011867-0-0	20
NR	NR	NR	WIRE, #18AWG STRD (WHT)	9107360-99	19
NR	NR	NR	WIRE, #18AWG STRD (BLK)	9107360-00	18
1	-	-	PLATE, VT50-51	2-IA-7413407-3-0	17
-	1	-	PLATE, VT50-51	2-IA-7413407-2-0	16
-	-	1	PLATE, VT50-51	2-IA-7413407-1-0	15
4	4	4	NUT, 4-40, KEP	9006557	14
NR	NR	NR	TUBING, SHRINKABLE (WHT)	9107253-09	13
2	2	2	SCREW, #32X.250 BUTTND HD	9009744	12
2	2	2	SCREW, 4-40X.512 FLATHEAD	9006010-02	11
1	1	1	VT50 UL STICKER	A-DC-74423-0-0	10
1	1	1	NUT, 10-32, KEP	9006565	9
1	1	1	RELIEF, CABLE STRAIN	9006992-02	8
1	1	-	CORD POWER, 220/240	C-IA-7011019-1	7
-	-	1	CORD POWER, 115V	C-IA-7011019-0	6
-	1	-	BREAKER CIRCUIT	1210242-01	5
1	-	1	BREAKER CIRCUIT	1210242-00	4
1	1	1	FILTER	1212003	3
1	1	1	SWITCH	1211997	2
1	1	1	PLATE, MTG TRANSFORMER	D-IA-7412850-0-0	1

METRIC DIMENSIONS

DESCRIPTION	REF. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		
GLASS OF	0.1	0.2
PLASTIC	0.1	0.2
STEEL	0.1	0.2
ALUMINUM	0.1	0.2
COPPER	0.1	0.2
BRASS	0.1	0.2
TIN	0.1	0.2
OTHER	0.1	0.2

DRN. X.Y.Z.	11-14-75	FIRST USED ON	VT52
CHK'D BY		TITLE	MTG PLATE ASSEMBLY
ENG. BY		SIZE	1 AD 7012166-0-0
APP'D BY		SCALE	NONE
DATE		SHEET	OF 2

1 AD 7012166-0-0

THE BUYER AND MANUFACTURER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE WIRE AS SHOWN ON THIS DRAWING. THE BUYER SHALL BE RESPONSIBLE FOR THE PROPER WIRING OF THE WIRE AS SHOWN ON THIS DRAWING.

115V, 60 HZ

220/240 V, 50/60 HZ
100/127V, 50/60 HZ

WIRE TABLE							
ITEM NO	DESCRIPTION		FROM		TO		LENGTH
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH	
18	18	BLK	CB1-1	21#22	C1-1	21#22	241.3 MM
18	18	BLK	CB1-2	21#22	S1-1	SOLD#13	530.2 MM
20		WHT			S1-2	SOLD#13	
		GRN			S1-6	SOLD#13	
		GRN			GND LUG	9	
6		WHT			C1-3	SOLD#22	
		BLK			C1-4	SOLD#22	
19	18	WHT	S1-5	SOLD#13	C1-2	21#22	203.2 MM

WIRE TABLE							
ITEM NO	DESCRIPTION		FROM		TO		LENGTH
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH	
18	18	BLK	CB1-1	21#25	C1-1	21#25	241.3 MM
23		BLK	POINT 2		CB1-2	SELF#22	
		BLK	POINT 1		S1-2	SOLD#13	
		BLK	POINT 3		S1-3	SOLD#13	
24		WHT	POINT 3		C1-2	SELF#22	
		WHT	POINT 1		S1-5	SOLD#13	
		WHT	POINT 2		S1-6		
		WHT	POINT 4		S1-7		
		WHT	POINT 5		S1-8		
20		BLK			S1-1		
		WHT			S1-4	SOLD#13	
		GRN			GROUND LUG	9	
7		BLU			C1-3	SELF#22	
	18	BRN			C1-4	SELF#22	

REVISION		
CHK	CHANGE NO.	REV.

THE SHOWN AND SPECIFIED LEVEL OF THE QUALITY OF THE WORKMANSHIP SHALL BE THAT OF THE BEST AVAILABLE MATERIALS AND METHODS OF CONSTRUCTION IN 1977.

115 VOLTS
60 HZ

7010861-C

WIRE TABLE									
ITEM NO.	DESCRIPTION		FROM			TO			SIGNAL
	AWG	COLOR	POINT	CONNECTION	WITH POINT	CONNECTION	WITH		
28	18	WHT	15	---	---	S1-3	---		
28	18	BLK	16	---	---	S1-1	---		
28	18	BLK	22	FL LOAD 1	---	23	CB-1	---	
28	18	BLK	24	S1-2	---	21	CB-2	---	
28	18	WHT	25	S1-4	---	20	FL LOAD 2	---	
28	18	GRN	2	---	---	18	GND B	---	
6	18	WHT	---	---	---	17	FL LINE 4	---	
6	18	BLK	---	---	---	16	FL LINE 3	---	
6	18	GRN/YEL	---	---	---	---	GND A	---	
28	18	GRN/YEL	17	GND L	---	---	GND B	---	

100/127 VOLTS
220/240 VOLTS
50-60 HZ

7010861-1 & -2

WIRE TABLE									
ITEM NO.	DESCRIPTION		FROM			TO			SIGNAL
	AWG	COLOR	POINT	CONNECTION	WITH POINT	CONNECTION	WITH		
29	18	BLK	21	---	---	S2-1	---		
29	18	GRN	1	---	---	GND G	---		
26	18	BLK	2	---	---	S1-1	---		
26	18	BLK	1	---	---	S2-2	---		
26	18	BLK	3	---	---	S2-3	---		
27	18	WHT	3	---	---	S1-3	---		
27	18	WHT	1	---	---	S2-6	---		
27	18	WHT	2	---	---	S2-7	---		
29	18	BLK	22	CB-1	---	23	FL LOAD 1	---	
29	18	WHT	14	---	---	S2-5	---		
29	18	WHT	16	---	---	S2-8	---		
7	18	BLU	---	---	---	FL LINE 4	---		
7	18	BRN	---	---	---	FL LINE 3	---		
7	18	GRN/YEL	---	---	---	GND A	---		
29	18	BLK	24	CB-2	---	25	S1-2	---	
29	18	WHT	26	FL LOAD 2	---	27	S1-4	---	
29	18	GRN/YEL	15	GND L	---	15	GND B	---	
29	18	BLK	17	---	---	S2-4	---		

7010861-3

WIRE TABLE									
ITEM NO.	DESCRIPTION		FROM			TO			SIGNAL
	AWG	COLOR	POINT	CONNECTION	WITH POINT	CONNECTION	WITH		
18	18	WHT	2	---	---	S1-3	---		
18	18	BLK	1	---	---	S1-1	---		
18	18	BLK	8	FL LOAD 1	---	3	CB-1	---	
18	18	BLK	4	S1-2	---	7	CB-2	---	
18	18	WHT	5	S1-4	---	6	FL LOAD 2	---	
18	18	GRN	11	---	---	GND B	---		
6	18	WHT	---	---	---	FL LINE 4	---		
6	18	BLK	---	---	---	FL LINE 3	---		
6	18	GRN	---	---	---	GND A	---		

7010861-4 & -5

WIRE TABLE									
ITEM NO.	DESCRIPTION		FROM			TO			SIGNAL
	AWG	COLOR	POINT	CONNECTION	WITH POINT	CONNECTION	WITH		
19	18	BLK	1	---	---	S2-1	---		
19	18	GRN	2	---	---	GND B	---		
26	18	BLK	2	---	---	S1-1	---		
19	18	BLK	17	CB-1	---	18	FL LOAD 1	---	
27	18	WHT	3	---	---	S1-3	---		
26	18	BLK	1	---	---	S2-2	---		
26	18	BLK	3	---	---	S2-3	---		
19	18	WHT	14	---	---	S2-5	---		
27	18	WHT	1	---	---	S2-6	---		
19	18	BLK	11	---	---	S2-4	---		
27	18	WHT	2	---	---	S2-7	---		
19	18	WHT	13	---	---	S2-8	---		
7	18	BLU	---	---	---	FL LINE 4	---		
7	8	BRN	---	---	---	FL LINE 3	---		
7	18	GRN/YEL	---	---	---	GND A	---		
19	18	BLK	21	CB-2	---	22	S1-2	---	
19	18	WHT	19	FL LOAD 2	---	20	S1-4	---	

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE TRANSFORMER ASSY
SCALE NONE SHEET 2 OF 2
SIZE CODE IAD NUMBER 7010861-C-0 REV. D

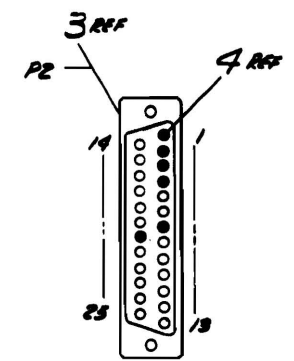
IAD 7010861-C-0 D

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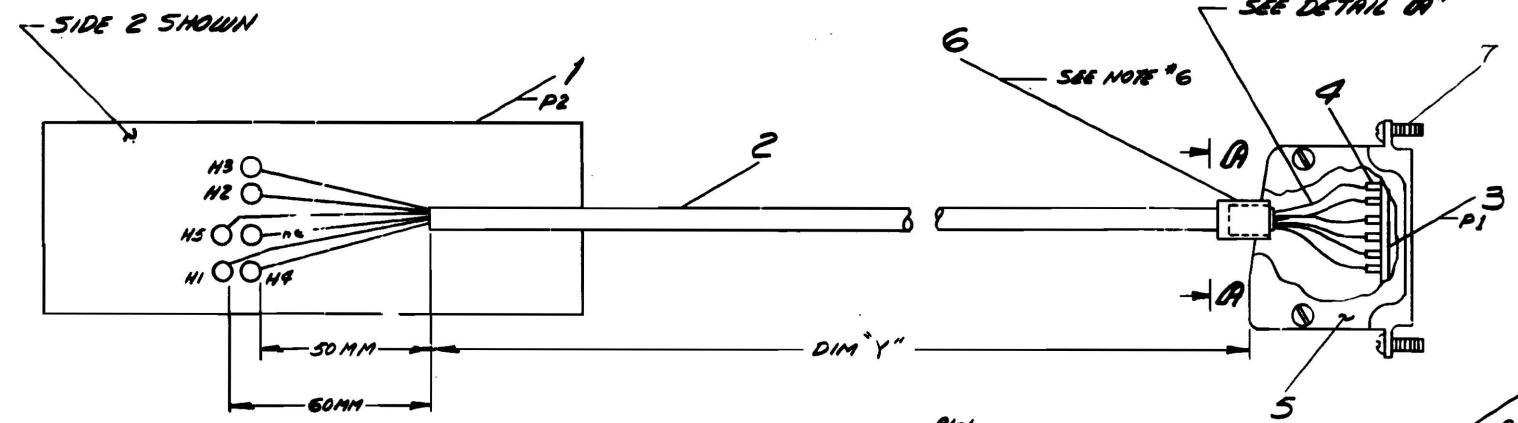
WIRE TABLE						
ITEM NO	DESCRIPTION	COLOR	FROM		TO	
			CONNECTION	WITH	CONNECTION	WITH
1	EO	GRN	P2-N1	SOLDER	P1-1	VACUUM
		BLU	P2-N2		P1-2	
		RED	P2-N3		P1-3	
		WHT	P2-N4		P1-4	
		BLK	P2-N5		P1-7	
1	EO	GRN	P2-N6	SOLDER	P1-20	VACUUM

LEGEND		
NUMBER	VARIATION	
	DWG "X"	DWG "Y"
BN52A-7F	25MM ± 10MM	7600MM ± 50MM

- NOTES:**
- ALTERNATE PARTS FOR ITEMS 3, 4 AND 5 ARE 1205885 HX 16 AND 1205886 FOR THE CONNECTOR.
 - ALTERNATE CABLE NO. IS 9107578
 - ALL WIRES ARE SOLDERED ON SIDE 2 OF ITEM #1
 - CRIMPING TOOL IS MS 3198 1 OR EQUIVALENT NO. 357-100 WITH NO. 357-300-2 CONTACT LOCATOR.
 - BN52A-7F IS A 25 FOOT CABLE ASSY.
 - USE 2 LENGTHS OF 9107685-09 (ITEM #6) TUBING OVER END OF CABLE WHEN USING ALTERNATE CONNECTOR, 25.4 MM AND 31.75 MM LONG.



VIEW A-A
WITH HOOD REMOVED
SCALE: NONE
(REAR VIEW)



DETAIL - B
TYP ALL WIRE ENDS

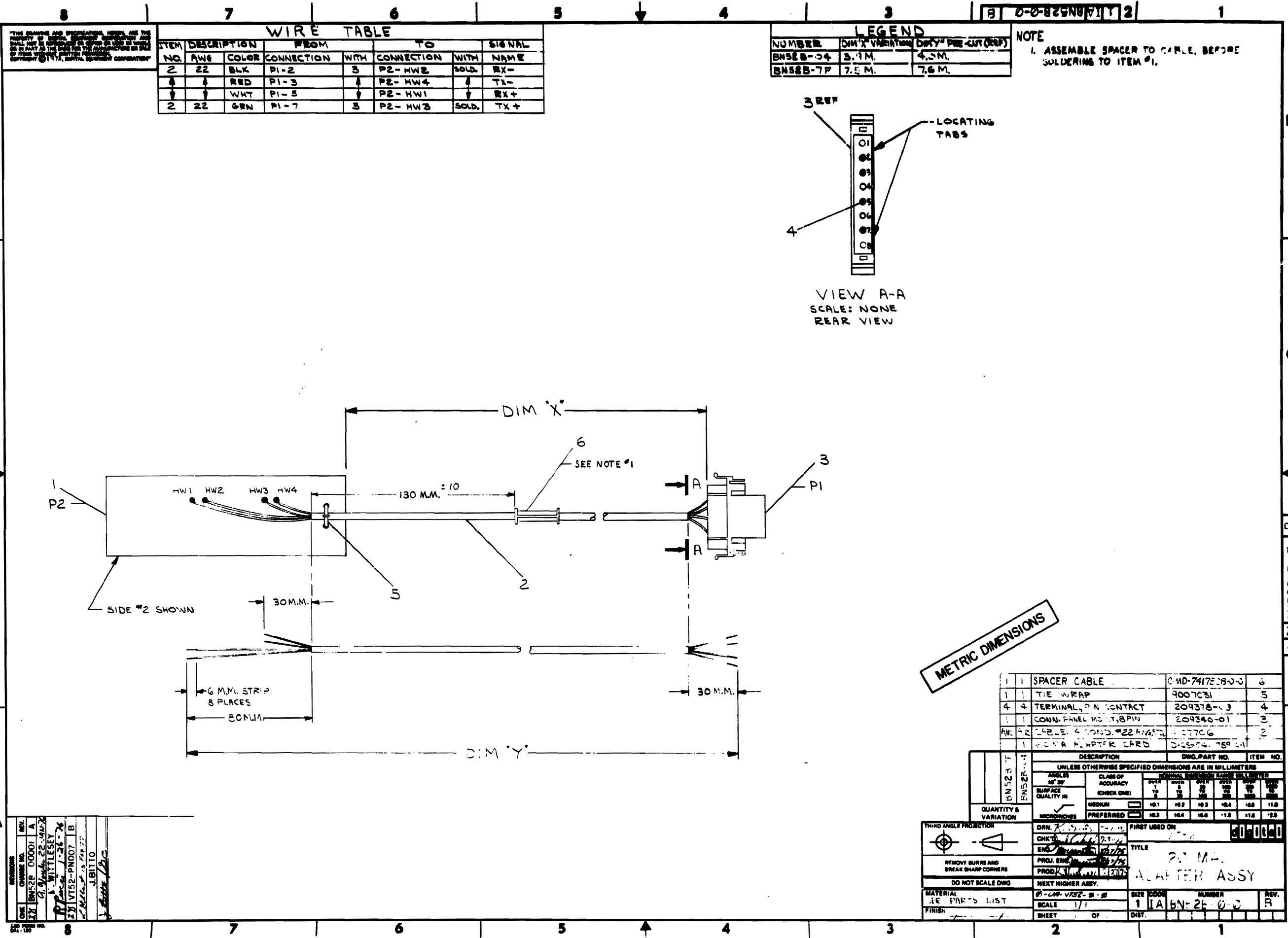
DETAIL A
SCALE: NONE

METRIC DIMENSIONS

QTY	DESCRIPTION	DWG/PART NO.	ITEM NO.
2	SCREW AND RETAINER	12113-01	7
4	SHRINKABLE TUBING	9107685-09	6
1	HOOD STRAIN RELIEF	1210493-50	5
6	MALE PIN	1210493-39	4
1	SHELL AND INSERT	1210493-31	3
4	CABLE 6 CONDUCTOR	1700012	2
1	EIA CARD	5811008-1-0	1

THIRD ANGLE PROJECTION		FIRST USED ON	
REMOVE BURRS AND BREAK SHARP CORNERS		VT52	
DO NOT SCALE DWG		TITLE	
MATERIAL		VT52 EIA CARD AND CABLE ASSEMBLY	
SCALE		SIZE CODE	
FINISH		1 EA	
		NUMBER	
		BN52A-C-0	
		REV.	
		SHEET / OF / DIST	

- 1. W. WHITNEY
- 2. W. WHITNEY
- 3. W. WHITNEY
- 4. W. WHITNEY
- 5. W. WHITNEY
- 6. W. WHITNEY
- 7. W. WHITNEY
- 8. W. WHITNEY



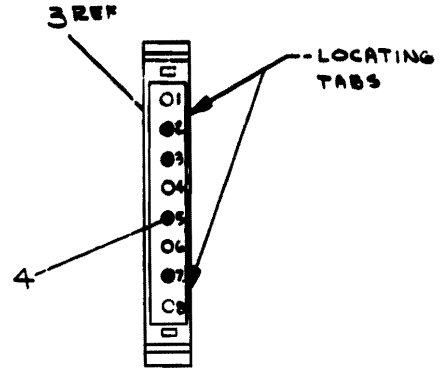
WIRE TABLE

ITEM NO.	DESCRIPTION		FROM		TO		SIGNAL
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH	
2	22	BLK	P1-2	3	P2-HW2	SOLD.	RX-
4	4	RED	P1-3	4	P2-HW4	4	TX-
1	1	WHT	P1-5	1	P2-HW1	1	RX+
2	22	GRN	P1-7	3	P2-HW3	SOLD.	TX+

LEGEND

NUMBER	DIM 'X' VARIATION	DIM 'Y' PRE-CUT (O/S)
BNS2B-04	3.1 M.	4.5 M.
BNS2B-7F	7.5 M.	7.6 M.

NOTE
1. ASSEMBLE SPACER TO CABLE, BEFORE SOLDERING TO ITEM #1.



METRIC DIMENSIONS

QTY	DESCRIPTION	DWG. PART NO.	ITEM NO.
1	SPACER CABLE	0 MD-7417E-0-0	6
1	TIE WRAP	2007031	5
4	TERMINAL, P/N CONTACT	209378-4-3	4
1	CONN. PANEL, 10 T, 8 PIN	209340-01	3
4	CABLE, 4 COND. #22 AWG	207706	2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

CLASS OF ACCURACY (CHECK ONE)	DIMENSIONAL TOLERANCES					
	0.1	0.2	0.3	0.4	0.5	0.6
SURFACE QUALITY IN MICRONS	10.1	10.2	10.3	10.4	10.5	10.6
PREFERRED	10.3	10.4	10.5	11.0	11.5	12.0

THIRD ANGLE PROJECTION

DRN: [Signature] DATE: [Date]

CHKD: [Signature] DATE: [Date]

ENG: [Signature] DATE: [Date]

PROJ. ENG: [Signature] DATE: [Date]

PROD. [Signature] DATE: [Date]

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL: [Material]

SCALE: 1/1

SHEET: [] OF []

FINISH: []

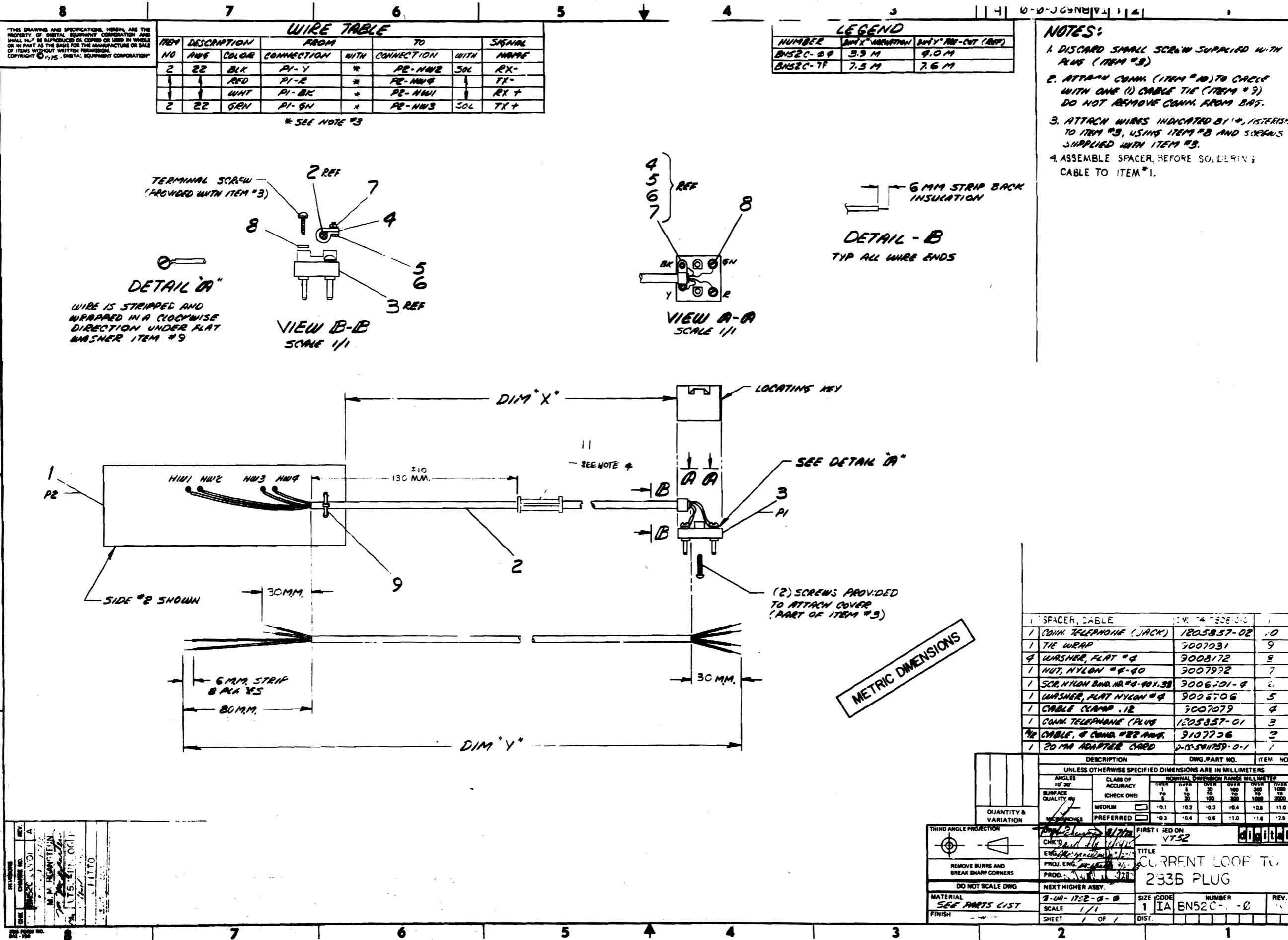
FIRST USED ON: []

TITLE: 20 M.M. ALPACER ASSY

SIZE CODE: [] NUMBER: [] REV. []

1 IA BNS2B-0-0 R

REV.	DATE	BY	CHKD.
1	11/1/72	A. WITTELEY	J. BITTIO
2	11/1/72	A. WITTELEY	J. BITTIO
3	11/1/72	A. WITTELEY	J. BITTIO



WIRE TABLE

ITEM NO	DESCRIPTION	FROM	TO	SIGNAL
2	22 BKR	PI-Y	PE-HW2	SOL RX-
		PI-R	PE-HW4	TX-
		PI-BK	PE-HW1	RX+
2	22 GRN	PI-GN	PE-HW3	SOL TX+

LEGEND

NUMBER	UNIT VARIATION	UNIT REF-CUT (APP)
BNS2C-B9	3.9 M	9.0 M
BNS2C-7F	7.5 M	7.6 M

- NOTES:**
- DISCARD SMALL SCREW SUPPLIED WITH PLUG (ITEM #3)
 - ATTACH CANN. (ITEM #10) TO CABLE WITH ONE (1) CABLE TIE (ITEM #9). DO NOT REMOVE CANN. FROM CAB.
 - ATTACH WIRES INDICATED BY #, REFER TO ITEM #3, USING ITEM #8 AND SCREWS SUPPLIED WITH ITEM #3.
 - ASSEMBLE SPACER, BEFORE SOLDERING CABLE TO ITEM #1.

DETAIL 'A'

WIRE IS STRIPPED AND WRAPPED IN A COUNTERCLOCKWISE DIRECTION UNDER FLAT WASHER ITEM #9

VIEW B-B
SCALE 1/1

DETAIL - B

TYP ALL WIRE ENDS

6 MM STRIP BACK INSULATION

METRIC DIMENSIONS

QTY	DESCRIPTION	DWG. PART NO.	ITEM NO.
1	SPACER, CABLE	1205357-02	10
1	CANN. TELEPHONE (JACK)	1205357-02	10
1	TIE WRAP	9007031	9
4	WASHER, FLAT #4	9008172	8
1	NUT, NYLON #4-40	9007992	7
1	SCR. NYLON BUNA NR #4-40X.38	9006701-8	6
1	WASHER, FLAT NYLON #4	9006706	5
1	CABLE CLAMP .12	9007079	4
1	CANN. TELEPHONE (PLUS)	1205357-01	3
1/2	CABLE, 4 COND #22 AWG.	9107736	2
1	20 MM ADAPTER CARD	0-15-541759-0-1	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		TOLERANCE RANGE MILLIMETER					
CLASS OF ACCURACY	CHECK ONE	1 TO 30	30 TO 100	100 TO 300	300 TO 1000	OVER 1000	
ANGLES							
SURFACE QUALITY (μ)							
QUANTITY & VARIATION							

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL: SEE PARTS LIST

FINISH: -

QUANTITY & VARIATION

DESCRIPTION: CURRENT LOOP TO 2335 PLUG

DWG. PART NO.: 1 IA BNS2C-0-0

ITEM NO.: 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

CLASS OF ACCURACY: MEDIUM

CHECK ONE: []

ANGLES: []

SURFACE QUALITY (μ): []

QUANTITY & VARIATION: []

DESCRIPTION: CURRENT LOOP TO 2335 PLUG

DWG. PART NO.: 1 IA BNS2C-0-0

ITEM NO.: 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

CLASS OF ACCURACY: MEDIUM

CHECK ONE: []

ANGLES: []

SURFACE QUALITY (μ): []

QUANTITY & VARIATION: []

DESCRIPTION: CURRENT LOOP TO 2335 PLUG

DWG. PART NO.: 1 IA BNS2C-0-0

ITEM NO.: 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

CLASS OF ACCURACY: MEDIUM

CHECK ONE: []

ANGLES: []

SURFACE QUALITY (μ): []

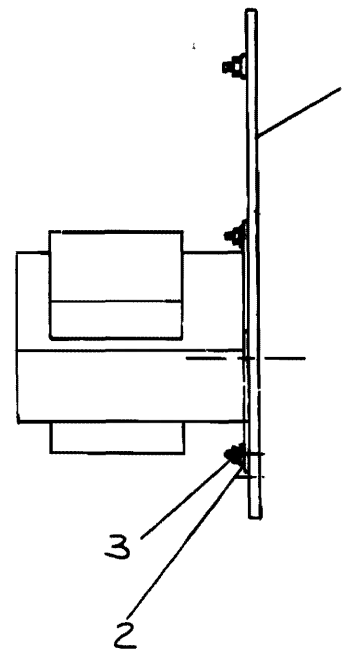
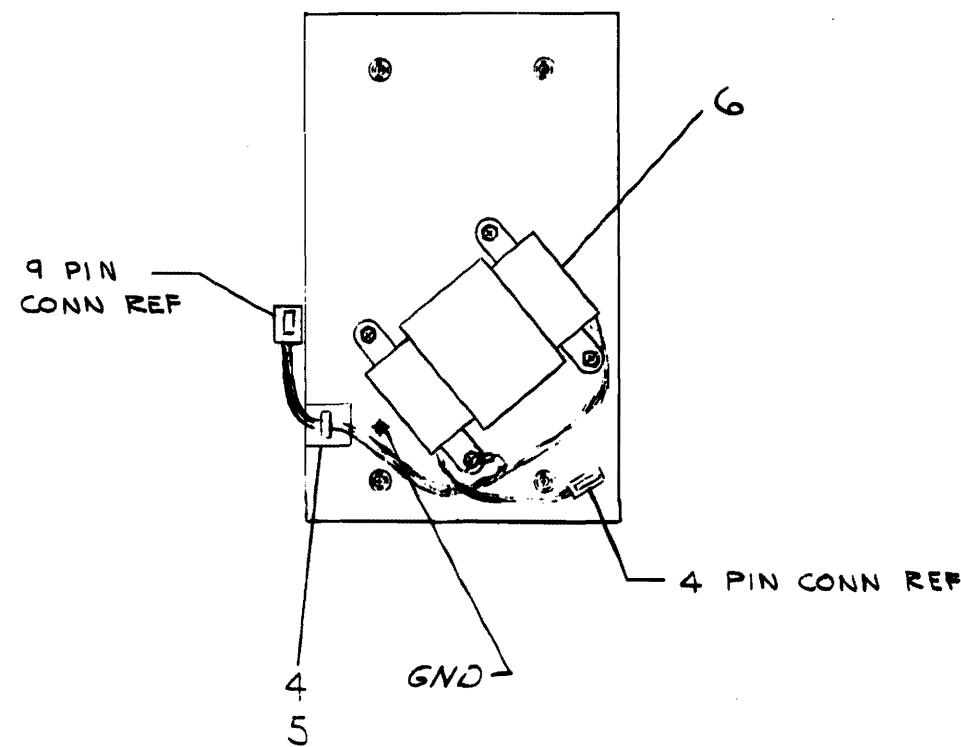
QUANTITY & VARIATION: []

DESCRIPTION: CURRENT LOOP TO 2335 PLUG

DWG. PART NO.: 1 IA BNS2C-0-0

ITEM NO.: 1

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QUANTITY	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	HARNES, TRANSFORMER	1-IA-7012161-0-0	6
1	TIE MOUNT	90 09264-00	5
1	CABLE TIE	90 07032-00	4
4	NUT, #8-32 KEP	90 06563-00	3
4	WASHER, FLAT	90 06660-00	2
1	PLATE, MTG, TRANS.	2-IA-7414867-0-0	1

ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE MILLIMETER					
		OVER 1 TO 5	OVER 5 TO 30	OVER 30 TO 100	OVER 100 TO 300	OVER 300 TO 1000	OVER 1000 TO 2000
SURFACE QUALITY IN MICROINCHES	MEDIUM <input type="checkbox"/>	±0.1	±0.2	±0.3	±0.4	±0.6	±1.0
	PREFERRED <input checked="" type="checkbox"/>	±0.3	±0.4	±0.6	±1.0	±1.6	±2.5

THIRD ANGLE PROJECTION	DRN. P.C. <i>9-10-75</i>	FIRST USED ON	VT50
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>H.C.</i> <i>10/18/75</i>	TITLE	TRANSFORMER ASSEMBLY
DO NOT SCALE DWG	PROJ. ENG. <i>12/19/75</i>	SIZE	2
MATERIAL SEE PARTS LIST	PROD. <i>12/19/75</i>	CODE	AD 7011352-0-0
FINISH	NEXT HIGHER ASSY.	NUMBER	AD 7011352-0-0
		REV.	
		SHEET	1 OF 1
		DIST.	

METRIC DIMENSIONS

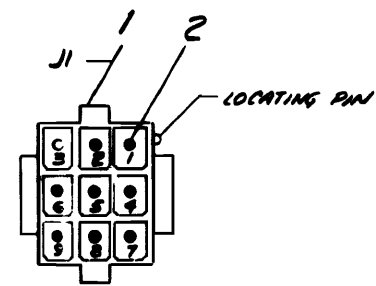
REVISIONS	REV.
CHANGE NO.	
CHK	

AD7011852-0-0

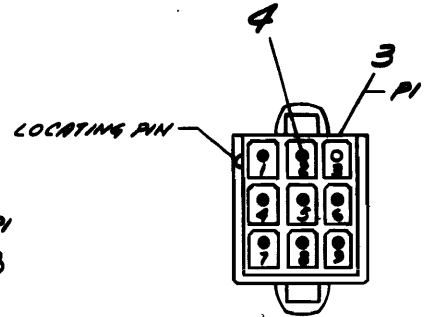
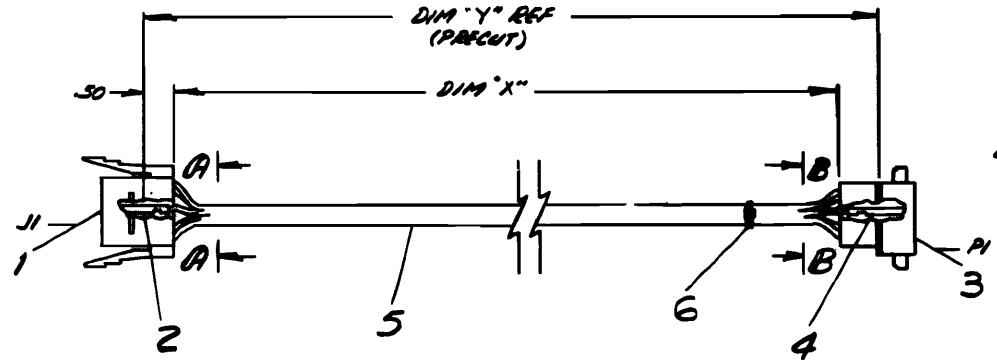
WIRE TABLE						
ITEM NO	AWG	COLOR	FROM		TO	
			CONNECTION	WITH	CONNECTION	WITH
6	18	GRN	J1-1	2	PI-1	4
6	18	GRN	J1-2	2	PI-2	4
7	18	VIO	J1-4	2	PI-4	4
7	18	VIO	J1-5	2	PI-5	4
8	18	NO/BLK	J1-6	2	PI-6	4
9	18	BLUE	J1-7	2	PI-7	4
9	18	BLUE	J1-8	2	PI-8	4
10	18	BLUE/BLK	J1-9	2	PI-9	4

LEGEND		
NUMBER	VARIATION	
	DIM 'X'	
	DIM 'Y' REF	
	DIM 'Y' REF	15W ± 1W

NOTES:
 1. ALL CONNECTIONS TO BE MADE POINT TO POINT. (J1-1 TO PI-1) ETC.



VIEW A-A
SCALE: NONE



VIEW B-B
SCALE: NONE

DESCRIPTION	DWG. PART NO.	ITEM NO.
WIRE, #18 AWG BLUE/BLK	9107410-60	10
WIRE, #18 AWG BLUE	9107360-66	9
WIRE, #18 AWG VIO/BLK	9107410-70	8
WIRE, #18 AWG VIO	9107360-77	7
WIRE, #18 AWG GRN	9107360-55	6
TIE WRAP	9007031-00	5
PIN, TERMINAL	1209378-00	4
PIN, HOUSING	1209351-03	3
SOCKET, TERMINAL	1209379-00	2
SOCKET, HOUSING	1209350-09	1

THIRD ANGLE PROJECTION		FIRST USED ON	
REMOVE BURRS AND BREAK SHARP CORNERS		VT52	
DO NOT SCALE DWG		NEXT HIGHER ASSY.	
MATERIAL		SIZE	NUMBER
SEE PARTS LIST		0-UR-VT52-0-0	D IA 7011868-0-0
FINISH		SCALE	SHEET
		NONE	1 OF 1

REV.	
CHK	
CHK	

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DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						
ENGINEERING SPECIFICATION				DATE 12/9/75		
TITLE VT52 ACCEPTANCE TEST						
REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

Upon removal from shipping container, inspect for physical damage, then make the following checks before connecting your VT52 terminal to a system:

I. FLASHING CURSOR CHECK:

Set switches on the bottom of terminal using a screwdriver or small coin to "OFF LINE" (switch S1 at position 1) and "9600" baud (switch S2 at position G) as shown on the label mounted below the switches. Plug power cord into A.C. line, move the ON/OFF slide switch located on the right side of terminal to the ON position.

After a one minute warm up period, a flashing cursor should appear on the screen. If nothing is seen or display is too bright, reach over and adjust the intensity control on the rear of the terminal at the top right hand corner. Control moves to the right for increased brightness.

Check for terminal to display characters as keys are depressed.

ENG	<i>L. Roach</i>	APPD	<i>M. Morgan</i>	SIZE	CODE	NUMBER	REV
				A	SP	VT52-0-2	

ENGINEERING SPECIFICATION				CONTINUATION SHEET									
TITLE VT52 ACCEPTANCE TEST													
II. <u>ESCAPE and CONTROL COMMANDS</u>													
Escape and control commands are invoked by:													
A. Pressing the "ESC" key and then following with a certain character to identify which escape function is to be performed.													
B. Holding down the "CTRL" key and simultaneously typing a character to identify which control function is to be performed.													
Notice that the "ESC" key must only be typed once and then followed by the identifying character while the "CTRL" key must be held down while the identifying character is being typed.													
Note the key labeled "CAPS LOCK." This key is similar to the "SHIFT LOCK" key on a typewriter except that "CAPS LOCK" will only give you capitol letters and will not shift anything other than letters. Keys with numbers or symbols are not affected by "CAPS LOCK", to get the uppercase of these keys you must use the "SHIFT" key. The "SHIFT" key will also give you capitol letters while "CAPS LOCK" is off.													
III. <u>ESCAPE AND CONTROL COMMAND CHECKS</u>													
1. <u>Miscellaneous:</u>													
A. Press "CTRL G"; check for buzzer to ring.													
B. Press "ESC Z"; check for the terminal to identify itself with a different character for each VT52 variation:													
<table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">VT52</td> <td style="width: 30%;">- "K"</td> </tr> <tr> <td>VT52 with COPIER</td> <td>- "L"</td> </tr> <tr> <td>Reserved for VT52 with LA35</td> <td>- "M"</td> </tr> </table>								VT52	- "K"	VT52 with COPIER	- "L"	Reserved for VT52 with LA35	- "M"
VT52	- "K"												
VT52 with COPIER	- "L"												
Reserved for VT52 with LA35	- "M"												

SIZE	CODE	NUMBER	REV
A	SP	VT52-0-2	

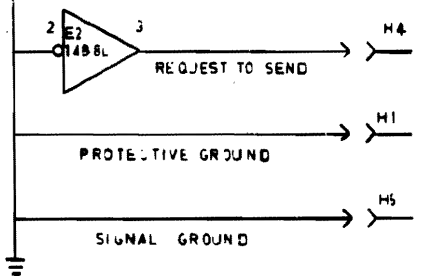
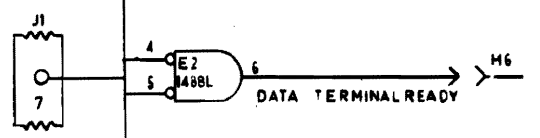
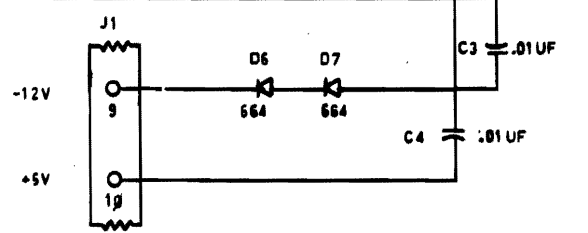
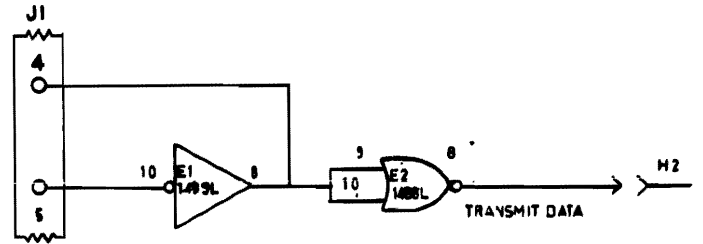
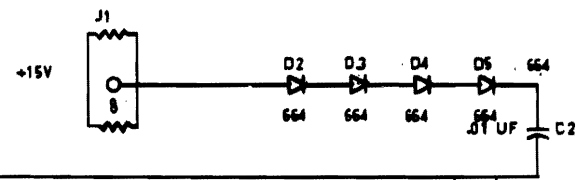
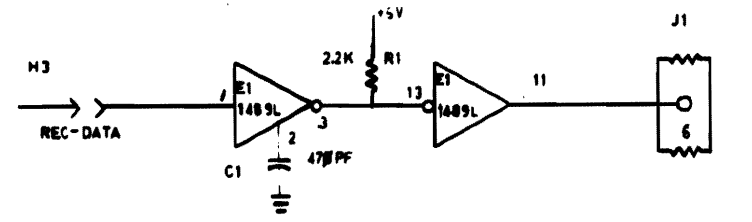
ENGINEERING SPECIFICATION				CONTINUATION SHEET																									
TITLE VT52 ACCEPTANCE TEST																													
2. <u>Erase Functions:</u>																													
A. Type some characters on all 24 lines.																													
B. With cursor on the bottom line, press "CTRL M;" check for cursor to move to the left-most position on that line.																													
C. Press "ESC K"; check for all characters on the bottom line to be erased.																													
D. Press "ESC H"; check for cursor to go to the top left of screen.																													
E. Press "ESC J"; check for all characters on the screen to be erased.																													
3. <u>Move Cursor Functions:</u>																													
A. Press "ESC C"; cursor should move to right, repeat until cursor is in the center of screen.																													
B. Press "CTRL J"; cursor should move down one line.																													
C. Press "ESC A"; cursor should move up one line.																													
D. Press "CTRL H"; cursor should move left one position.																													
E. Press "CTRL I"; cursor should move to the next TAB stop.																													
F. Press "ESC I"; cursor should move up one line, performs a downward scroll if cursor was on top line.																													
G. Press "ESC R"; cursor should move down one line.																													
H. Press "ESC D"; cursor should move left one position.																													
IV. <u>ALTERNATE KEYPAD MODE:</u>																													
Press "ESC="; check for terminal to enter ALTERNATE KEYPAD MODE, numbers typed on the numeric pad should respond with the following characters:																													
<table style="width: 100%; border: none;"> <tr> <th style="text-align: left;">KEY</th> <th style="text-align: left;">CHARACTER DISPLAYED</th> </tr> <tr> <td>.</td> <td>n</td> </tr> <tr> <td>0</td> <td>p</td> </tr> <tr> <td>1</td> <td>q</td> </tr> <tr> <td>2</td> <td>r</td> </tr> <tr> <td>3</td> <td>s</td> </tr> <tr> <td>4</td> <td>t</td> </tr> <tr> <td>5</td> <td>u</td> </tr> <tr> <td>6</td> <td>v</td> </tr> <tr> <td>7</td> <td>w</td> </tr> <tr> <td>8</td> <td>x</td> </tr> </table>								KEY	CHARACTER DISPLAYED	.	n	0	p	1	q	2	r	3	s	4	t	5	u	6	v	7	w	8	x
KEY	CHARACTER DISPLAYED																												
.	n																												
0	p																												
1	q																												
2	r																												
3	s																												
4	t																												
5	u																												
6	v																												
7	w																												
8	x																												

SIZE	CODE	NUMBER	REV
A	SP	VT52-0-2	

ENGINEERING SPECIFICATION				CONTINUATION SHEET									
TITLE VT52 ACCEPTANCE TEST													
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">9</td> <td style="width: 50%;">y</td> </tr> <tr> <td>enter</td> <td>M</td> </tr> </table>								9	y	enter	M		
9	y												
enter	M												
Press "ESC>"; check for terminal to exit ALTERNATE KEYPAD MODE, numbers typed on the numeric pad should respond as numbers.													
V. <u>HOLD SCREEN MODE:</u>													
A. Place cursor on bottom line.													
B. Press "ESCL"; enters Hold Screen Mode.													
C. Press "LF".													
D. Type "VT52"; characters should not appear on the screen.													
E. Press "scroll"; the message "VT52" should now appear on the screen.													
F. Press "ESC\"; exits Hold Screen Mode.													
G. Press "LF"; check for message to scroll up.													
VI. <u>DIRECT CURSOR ADDRESSING:</u>													
A. Press "ESC H"; cursor should move to the first character position in the first line.													
B. Press "ESC Y" "7" "0"; cursor should move to the last character position on the last line.													
C. Press "ESC Y" "7" "SPACE"; cursor should move to the first character position on the last line.													
D. Press "ESC Y" "SPACE" "0"; cursor should move to the last character position on the first line.													
E. Press "ESC Y" "SPACE" "SPACE"; cursor should move back to the first character position on the first line.													
VII. <u>ON-LINE ACCEPTANCE TEST:</u>													
Connect VT52 to a processor and run VT52 in-house diagnostic for at least one pass.													
<table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">PDP-11</td> <td style="width: 20%;">Diagnostic --</td> <td style="width: 60%;">Maindec-11-D7VTC-C</td> </tr> <tr> <td>PDP-8</td> <td>Diagnostic --</td> <td>Maindec-08-DHVIC-D</td> </tr> </table>								PDP-11	Diagnostic --	Maindec-11-D7VTC-C	PDP-8	Diagnostic --	Maindec-08-DHVIC-D
PDP-11	Diagnostic --	Maindec-11-D7VTC-C											
PDP-8	Diagnostic --	Maindec-08-DHVIC-D											

SIZE	CODE	NUMBER	REV
A	SP	VT52-0-2	

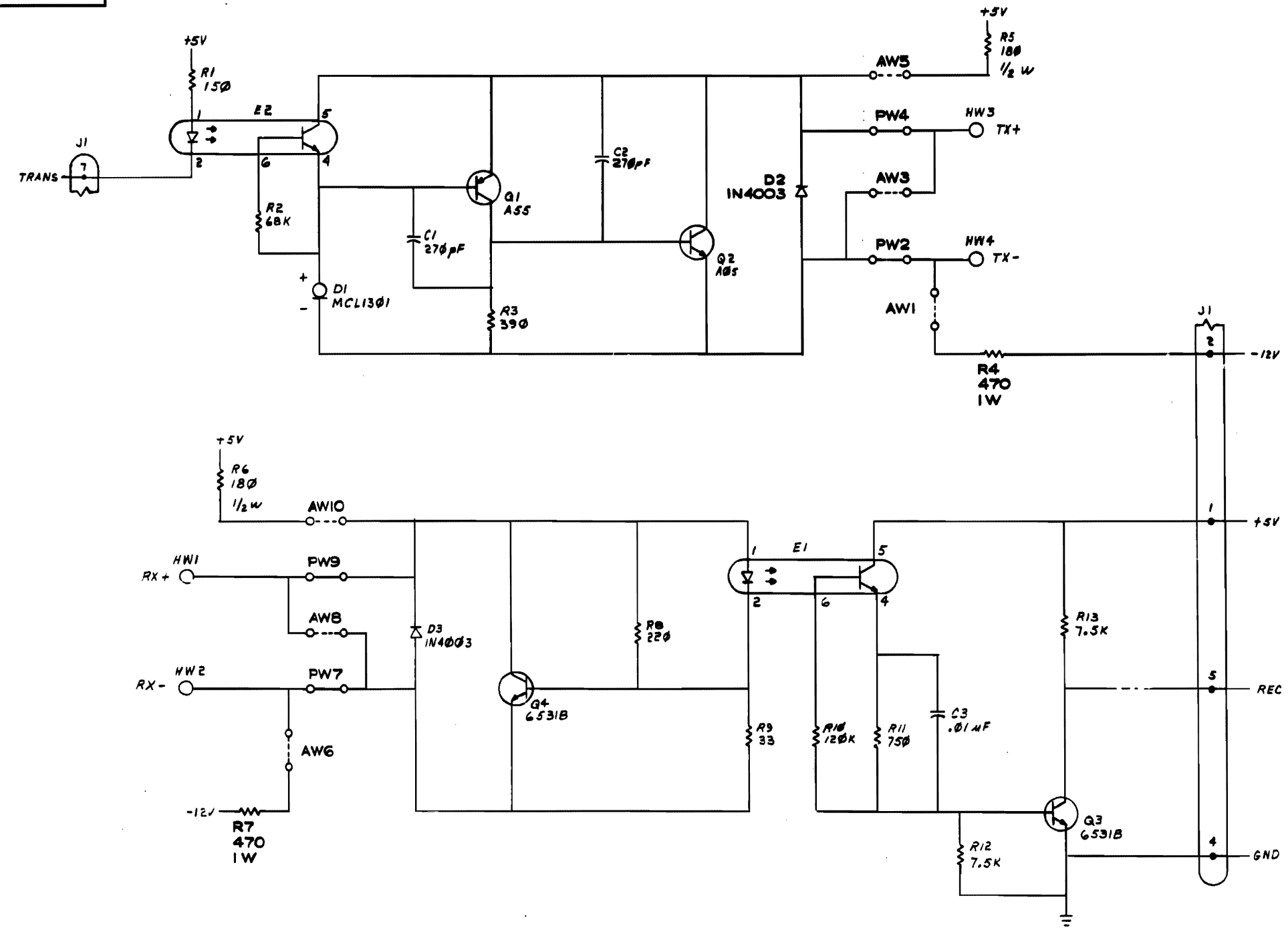
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1-7-75



REVISIONS		
CHK	CHANGE NO.	REV.

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DCS 5411759-0-1 2



- NOTES:**
1. HW = EYELETS FOR HARDWIRING POINTS
 2. AW JUMPERS ARE OPTIONAL JUMPERS
 3. TO CONVERT FROM PASSIVE TO ACTIVE MODE, DELETE JUMPERS PW2, PW4, PW7 & PW9. ADD JUMPERS AW1, AW3, AW5, AW6, AW8 & AW10.

REVISIONS		
CHK	CHANGE NO.	REV

TITLE	20MA ADAPTER CARD	SIZE/COOD	DCS	NUMBER	5411759-0-1	REV.	B
SCALE	1:1	SHEET	2	OF	2	DWT.	

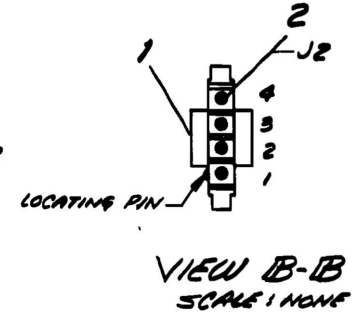
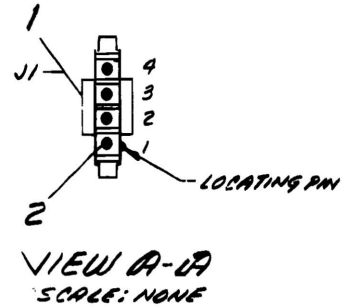
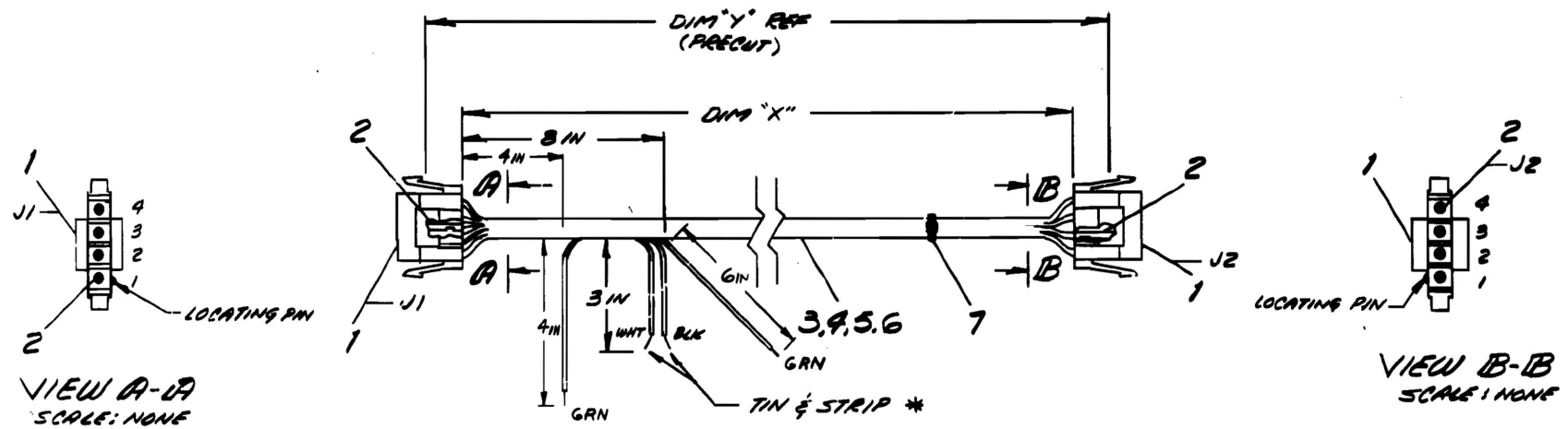
DCS 5411759-0-1 B

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NUMBER	VARIATION	
	DIM "X"	DIM "Y" REF
7011867-1	16.14 ± .14	17.14 ± .14

ITEM NO	DESCRIPTION	FROM		TO	
		CONNECTION	WTH	CONNECTION	WTH
3	#18 RED	J1-4	#2	J2-4	#2
6	#18 RED/BLK	J1-3	#2	J2-3	#2
7	#18 BLK	J1-2	#2	J2-2	#2
4	#18 BLK			-	#
5	#18 WHT	J1-1	#2	J2-1	#2
8	#18 WHT			-	#
8	#18 GRN	GROUND	9	GROUND	9

* INDICATES TIN & STRIP



DESCRIPTION	DWG/PART NO.	ITEM NO.
2 TERMINAL, RING TENGJE#	90C7930-01	9
8 WIRE, #18 AWG GRN	9107360-55	8
7 WIRE WRAP	9007031-00	7
6 WIRE, #18 AWG RED/BLK	9107360-24	6
5 WIRE, #18 AWG WHT	9107360-99	5
4 WIRE, #18 AWG BLK	9107360-00	4
3 WIRE, #18 AWG RED	9107360-22	3
2 SOCKET, TERMINAL	1203379-20	2
1 SOCKET, HOUSING	1209350-04	1

ANGLES 10° 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 3.0	OVER 3.0 TO 12.0	OVER 12.0 TO 48.0	OVER 48.0 TO 96.0
	MEDIUM	1.004	1.008	1.012	1.016	1.024	1.04
	PREFERRED	1.012	1.016	1.020	1.04	1.063	1.1

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

QUANTITY & VARIATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DESCRIPTION: CABLE, PRIMARY POWER

SIZE CODE: B-UA-VT52-0-0

SCALE: NONE

SHEET 1 OF 1

FIRST USED ON: VT52

TITLE: CABLE, PRIMARY POWER

NUMBER: DIA 7011867-0-0

REV.

REV.	CHANGED BY	DATE

DEC 1 1952

DIA 7011867-0-0