



DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS																										
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16											
		54-17036-01	220CR T/C MODULE	A1																										
D-UA-5417036-0-0	1		UNIT ASSY, T/C MODULE	A																										
B-CS-5417036-0-1	3		SCHEMATIC, T/C MODULE	A																										
K-PL-5417036-0-DBP	2		PARTS LIST, T/C MODULE	A																										
K-PC-5417036-0-DBV	1		P.C. DESIGN DATA BASE	A																										
K-CS-5417036-0-DBX	1		VALID DATA BASE	A																										
		50-17035-01	220CR T/C BD	D1																										
B-DD-5017035-0-0	1		DRAWING DIRECTORY	A																										

**NOTES:**

DATE	REVISION HISTORY		ECO NO.	REV.	JUL '86	RELEASED	A
	DATE	ECO NO.					

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DRN.	F. LIU	DATE	5-MAY-86	TITLE	DWG DIR, T/C MODULE		
CHK'D	B. CHEN	DATE	5-MAY-86	DOCUMENT NUMBER			
DES. ENG.	H. C. HONG	DATE	5-MAY-86	SIZE	CODE	NUMBER	REV.
RESP. ENG.	S. W. CHENG	DATE	5-MAY-86	<b>B</b>	<b>DD</b>	5417036-0-0	<b>A</b>
MFG. ENG.	<i>S. W. Cheng</i>	DATE	20 Aug 86	SHEET 1 OF 1			

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV	REFERENCE DESIGNATORS
1	B-DD-5017035-0	50-17035-01	D	CIRCUIT DRILL AND ETCH	1	
2		10-00010-00	39	PFD 100V +/- 5% 200PP	2	C42, C47
3		10-00015-00	82	PFD 100V +/- 5% 200PP	1	C7
4		10-00020-00	180	PFD 100V +/- 5% 200PP	1	C41
5		10-00022-00	270	PFD 100V +/- 5% 200PP	2	C8, C9
6		10-00024-00	470	PFD 100V +/- 5% 200PP	1	C28
7		10-01610-00		0.010MFD 50V +80/-20% Z5U C	27	C1, C2, C4-C6, C10-C12, C14-C16, C18, C19, C21, C22, C29-C32, C34-C40, C45
8		10-10279-01		0.47 MFD 25V +/-20% Z5U C	3	C24-C26
9	A-PS-1013466-0-0			*** THIS ITEM IS NOT USED ***	-	
10		10-16549-00	47	MFD 10V +50/-10% ALU	1	C33
11		10-17472-00	10	MFD 35V +75/-10% ALU	1	C3
12		10-20446-11	470	MFD 6.3V +50/-10% ALU	1	C23
13		10-20446-12	220	MFD 16V +50/-10% ALU	2	C13, C20
14		10-22087-01		1000 PFD 100V +/-20% Z5P	1	C27
15		10-26289-04		DECCOUPLING ELEMENT .03MFD +100-	1	C44
16		11-00114-00		PIV= 25 IO=135 MA	2	D21, D22
17		11-05275-00		PIV= 60 IO=300 MA -15NS	2	D18, D20
18		11-05610-00		CURRENT LIMIT 1.0 MA	1	D19
19		11-05796-00		PIV= 400 IO= 1.00A 1N4004 DO-41	1	D13
20		11-24037-01		VZ= 36.0 5% 400 MW 1N974B DO-35	16	D1-D12, D14-D17
21		12-15006-07		SKT, IC 28PIN DIP TIN SOLD	1	XE24
22		12-17652-01		PCB HEADER 08POS(2X04).100CC 90D	1	J3
23		12-19952-02		PCB HEADER 26PIN(2X13).100CC STR	1	J4
24		12-22216-01		CONN, COAX BNC RCPT SCRE	1	J2
25		12-26314-01		CONN, DSUB 25POS 90D	1	J1
26		13-00197-00	33.0	.25 W 5.0 % CF	2	R18, R20
27		13-00229-00	100.0	.25 W 5.0 % CF	2	R3, R16
28		13-00250-00	150.0	.25 W 5.0 % CF	1	R10
29		13-00271-00	220.0	.25 W 5.0 % CF	1	R35
30		13-00309-00	390.0	.25 W 5.0 % CF	2	R19, R21

**PRELIMINARY**

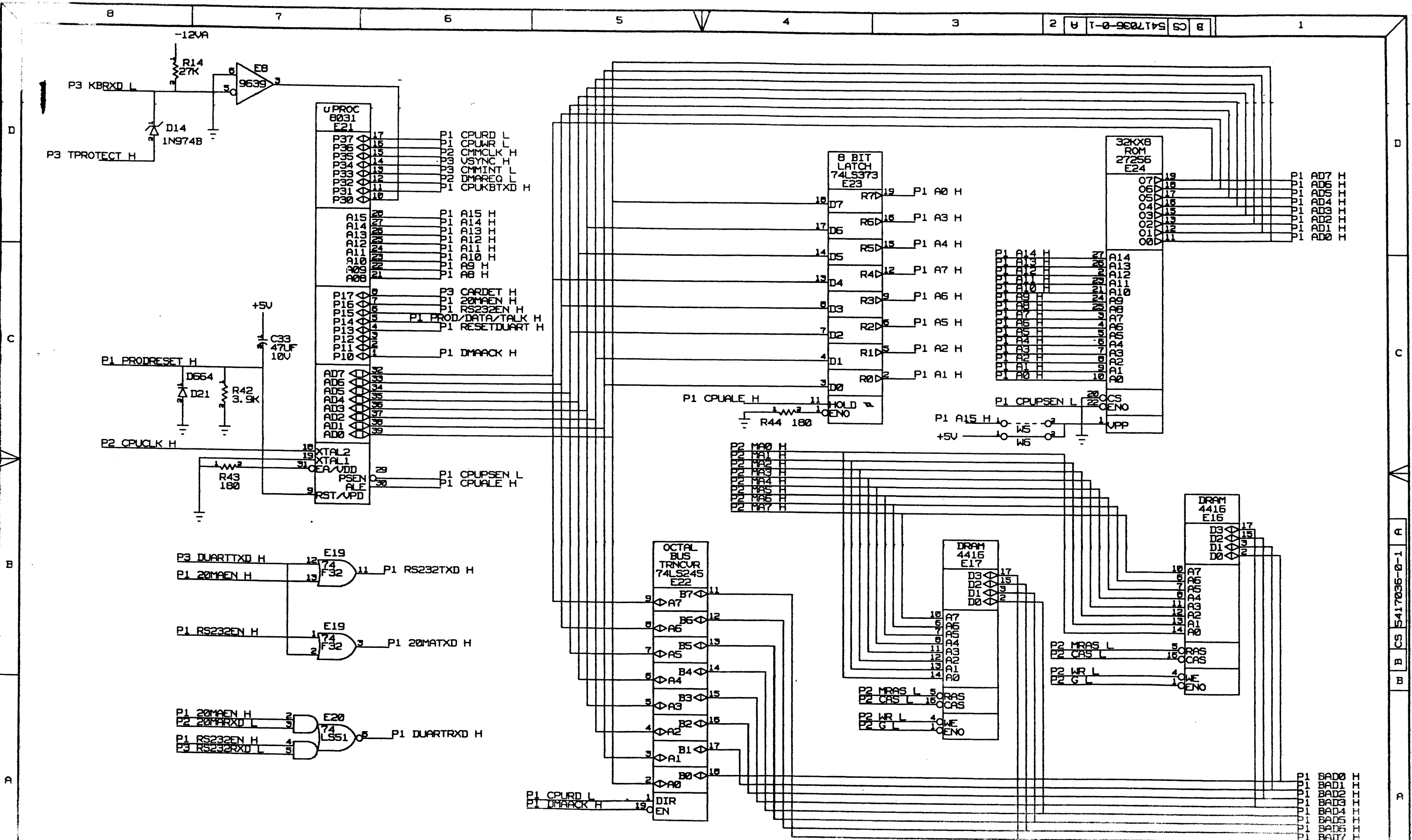
REVISION HISTORY			KPL MODULE FORMAT SECTION A OF A		DRN:	L CAMACHO			
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX		DATE:	DIGITAL			
---	INITIAL	A	[CA]	01	[CM]	CHK'D:	B CHEN		
			[CB]		[CN]	DATE:	11-JUL-86		
			[CC]		[CP]	DES.ENG:	O LIN		
			[CD]		[CQ]	DATE:	11-JUL-86		
			[CE]		[CR]	RESP.ENG.:	SW CHENG		
			[CF]		[CS]	DATE:	11-JUL-86		
			[CH]		[CT]	MFG.ENG:	C TANNER		
			[CJ]		[CV]	DATE:	11-JUL-86		
			[CK]		[CW]	RELEASE DATE:			
			[CL]		[CY]	RELEASE STATUS:	UNDER CHANGE		
			BASIC PART NUMBER:	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:	EDIT #		
			5417036	E-UA-5417036-0-0	B-DD-5417036-0	GH982A.PLS	46		

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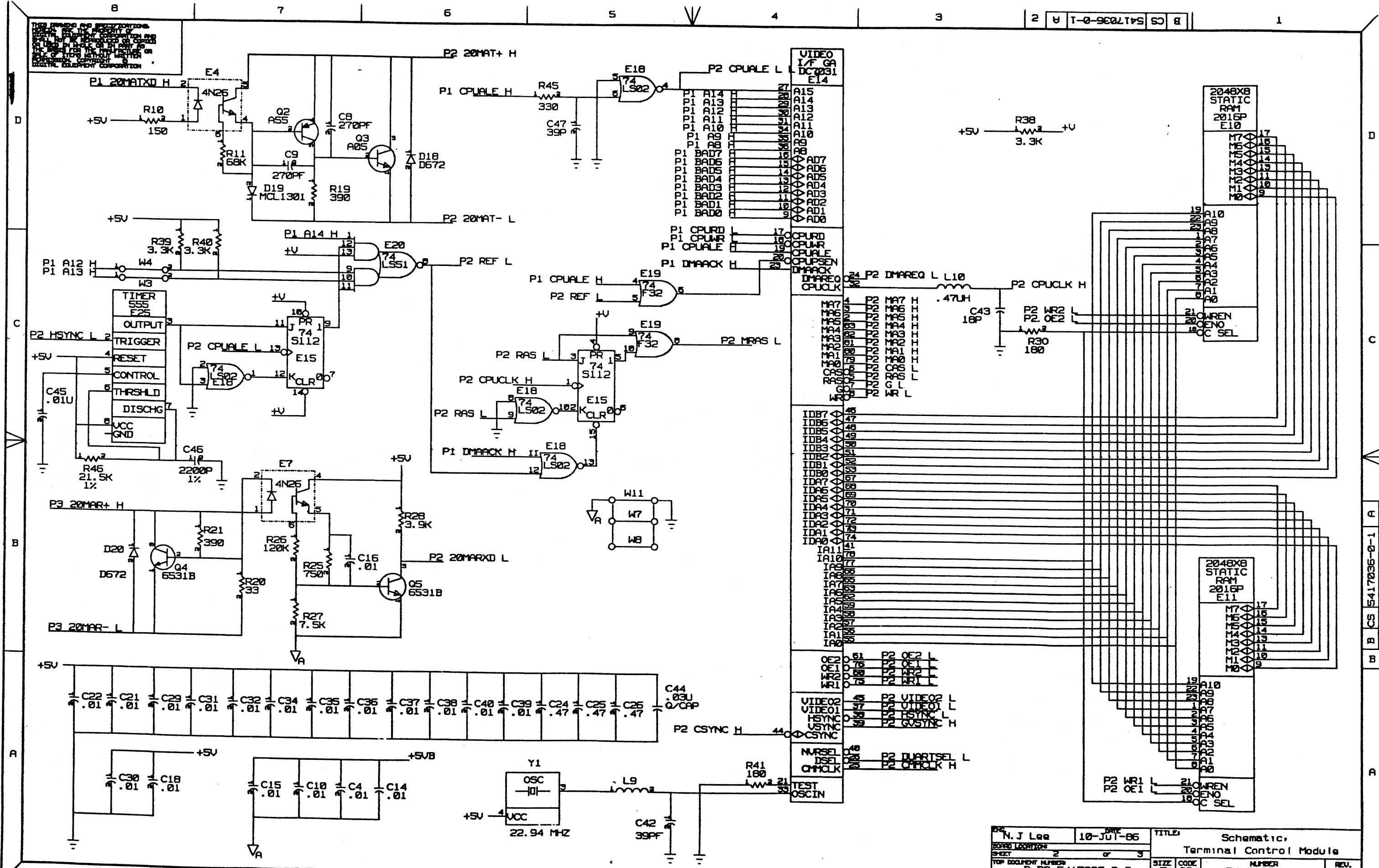
LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY	PER VAR/REV	REFERENCE DESIGNATORS
31	31		13-00365-00	1.0 K	.25 W 5.0 % CF	3		R17,R31,R37
32	32		13-00391-00	1.50 K	.25 W 5.0 % CF	1		R29
33	33		13-00398-00	1.80 K	.25 W 5.0 % CF	1		R24
34	34		13-00417-00	2.20 K	.25 W 5.0 % CF	1		R36
35	35		13-00439-00	3.30 K	.25 W 5.0 % CF	3		R38-R40
36	36		13-00444-00	3.90 K	.25 W 5.0 % CF	2		R28,R42
37	37		13-00539-00	120.0 K	.25 W 5.0 % CF	1		R26
38	38		13-01322-00	180.0	.25 W 5.0 % CF	4		R30,R41,R43,R44
39	39		13-01327-00	68.0 K	.25 W 5.0 % CF	1		R11
40	40		13-01401-00	750.0	.25 W 5.0 % CF	1		R25
41	41		13-01422-00	7.50 K	.25 W 5.0 % CF	1		R27
42	42		13-01424-00	680.0	.25 W 5.0 % CF	3		R22,R23,R32
43	43	A-PS-1301775-0-0	*** THIS ITEM IS NOT USED ***			-		
44	44		13-01890-00	560.0	.25 W 5.0 % CF	1		R34
45	45		13-02177-00	47.0 K	.25 W 5.0 % CF	2		R1,R15
46	46		13-02379-00	75.0	.25 W 5.0 % CF	1		R4
47	47		13-02398-00	470.0 K	.25 W 5.0 % CF	1		R2
48	48		13-05346-00	27.0 K	.25 W 5.0 % CF	8		R5-R9,R12-R14
49	49		15-09338-00	DEC6531B	NPN 310MW SI 40 90 P	2		Q4,Q5
50	50		15-09525-00	2N 3906	PNP 310MW SI 40100 Y	2		Q1,Q6
51	51		15-10705-00	XA 05	NPN 500MW SI 60 50 P	1		Q3
52	52		15-10706-00	XA 55	PNP 500MW SI 60 50 P	1		Q2
53	53		16-10999-00	.47UH	10% 690MA#WEEWEE.47	1		L10
54	54		16-18238-02	BEAD,FERRITE	.1380DX.330LG	5		L1,L6-L9
55	55		18-26316-01	OSCILLATOR, XTAL	22.940 MHZ	1		Y1
56	56		19-10545-00	74S112	FF-JK DUAL,EDGE TRIG	1		E15
57	57		19-12801-00	LS02	NOR-GATE-QUAD 2IN	1		E18
58	58		19-12820-00	LS51	A-0-I GATE 2-WIDE 2I	1		E20
59	59		19-15218-00	LS245	TRANSCEIVER,BUS,OCTA	1		E22
60	60		19-15219-00	LS373	FF-D OCTAL-TRANSPARE	1		E23
61	61		19-15415-00	9636	DRIVER,DUAL,EIA RS-4	3		E1,E3,E6
62	62		19-16959-00	OPTOTRANSISTOR		2		E4,E7
63	63		19-19542-01	9639	RECEIVER,LINE,DUAL	4		E2,E5,E8,E9
64	64		19-21312-01	74F32	OR GATE,QUAD,2-IN	1		E19
65	65		21-17872-02		RAM 2KX8 I/O MUXD 12	2		E10,E11
66	66		21-20068-01	2681	REC./TRANS.,ASYNC.,D	1		E13
67	67		21-20115-01	8031C	MICROPROCESSOR W/O P	1		E21
68	68		21-23882-02		16K MOS RAM 150NS 18PIN D	2		E16,E17
69	69		21-24817-01	CONTROLLER,SYSTEM		1		E14
70	70		23-E6 -02	32KX 8	TTL, UV PROM,250NS	1		E24
71	71		23-N4 -01	1024	EPROM	1		E12
72	72		90-09185-00	JUMPER, WIRE, INSULATED, BLACK B		9		W2-W4,W6-W11
73	73		90-10482-02	SCREW,THD RL,FLAT PHIL F/PLAS		2		
74	74		10-02608-00	18	PFD 100V +/- 5% 200PP	1		C43 no BROWNE ON UA
75	75		10-26456-01	2200	PFD 100V 1% POLYPROP	1		C46
76	76		13-00295-00	330.0	.25 W 5.0 % CF	1		R45
77	77		13-00316-00	470.0	.25 W 5.0 % CF	1		R33
78	78		13-03155-00	21.50 K	.25 W 1.0 % RN55D-F10	1		R46
79	79		19-11944-00		555CN TIMER,FUNCT.BLOCK	1		E25
80	80		91-05740-55	WIRE(WRAP)	30AWG KYNAR UL14 A/R	1		

PRELIMINARY

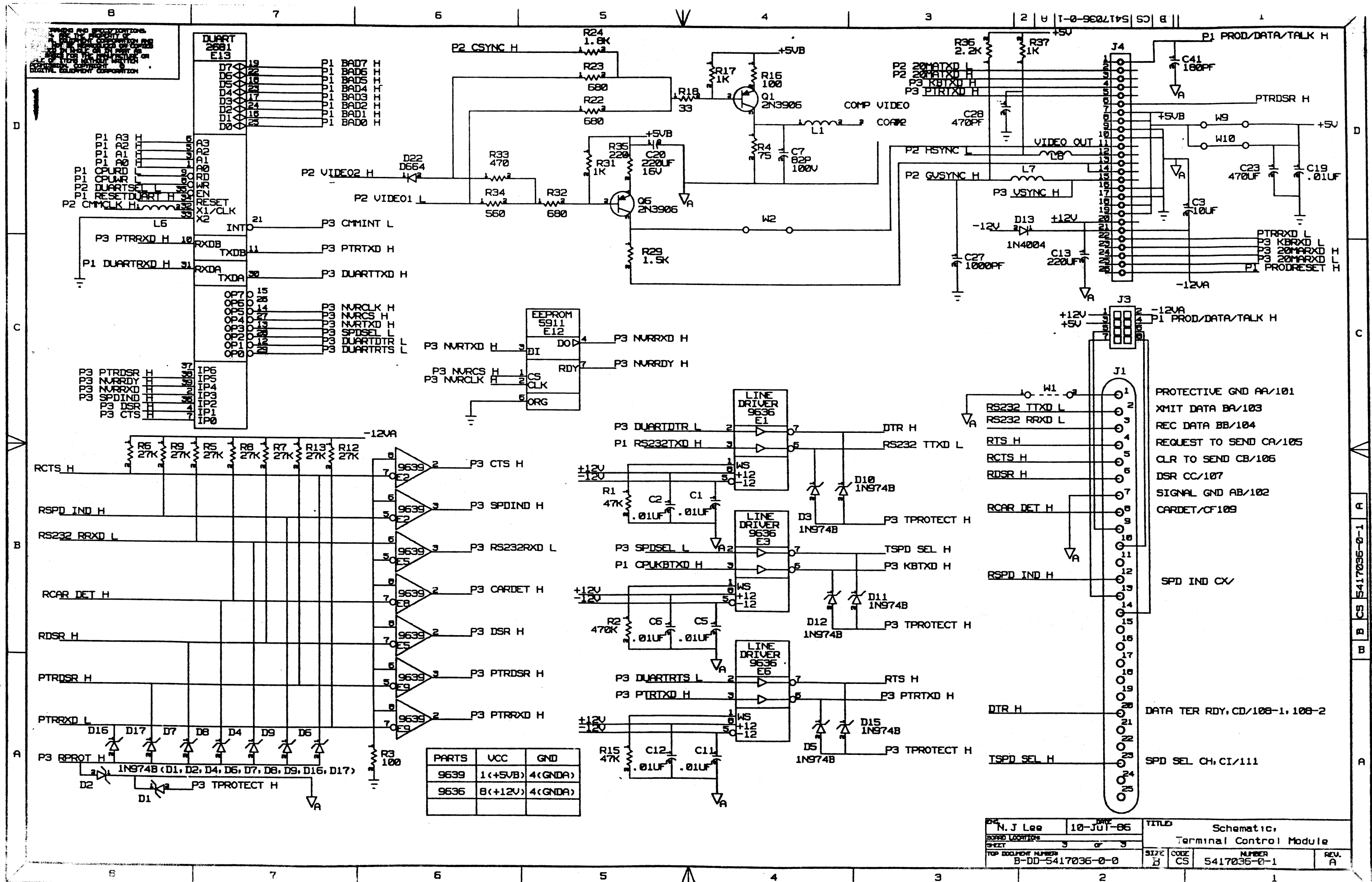
D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							TERMINAL CONTROL BOARD			K	PL	5417036-0-DBP	A



REVISION  
 CHK CHANGE NO. REV  
 INITIAL



DESIGNED BY	N. J. Lee	DATE	10-JUL-86	TITLE	Schematic
BOARD LOCATION	2	SHEET	3	Terminal Control Module	
TOP EQUIPMENT NUMBER	B-DD-5417036-0-0	SIZE	B	CODE	CS
		NUMBER	5417036-0-1	REV.	A



N. J Lee 10-JUL-86  
 BOARD LOCATION: 3 of 3  
 TOP SHEET NUMBER: B-DD-5417036-0-0  
 TITLE: Schematic, Terminal Control Module  
 SIZE: B CODE: CS NUMBER: 5417036-0-1 REV: A

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- NOTES:
- TORQUE REQUIREMENTS  
3-5 IN-LBS FOR ITEM 73.
  - W1, W5 ARE NOT INSERTED.

REWORK INSTRUCTIONS:

COMPONENT ADDS SIDE ONE (AS SHOWN).

- 0-01. ADD D22 PN 11-00114-00  
D22 PIN 1 TO PTH BETWEEN R31 & R32 (CONNECTED TO E14 PIN 45)  
D22 PIN 2 TO R33 PIN 1.
- 0-02. ADD E25 PN 19-11944-00  
E25 PIN 1 TO SPR1 PIN 7  
E25 PIN 2 TO SPR1 PIN 8  
E25 PIN 3 TO SPR1 PIN 9  
E25 PIN 4 TO SPR1 PIN 10  
E25 PIN 5 TO SPR1 PIN 11  
E25 PIN 6 TO SPR1 PIN 12  
E25 PIN 7 TO SPR1 PIN 13  
E25 PIN 8 TO SPR1 PIN 14.
- 0-03. ADD C45 PN 10-01610-00  
C45 PIN 1 TO SPR1 PIN 6  
C45 PIN 2 TO SPR1 PIN 15.
- 0-04. ADD C46 PN 10-26456-01  
C46 PIN 1 TO SPR1 PIN 20  
C46 PIN 2 TO NEAREST PTH (LOCATED ON GND COPPER).
- 0-05. ADD R46 PN 13-03155-00  
R46 PIN 1 TO SPR1 PIN 2  
R46 PIN 2 TO SPR1 PIN 19.
- 0-06. ADD R45 PN 13-00295-00  
R45 PIN 1 TO SPR1 PIN 3  
R45 PIN 2 TO SPR1 PIN 18.
- 0-07. ADD C47 PN 10-00010-00  
C47 PIN 1 TO SPR1 PIN 4  
C47 PIN 2 TO SPR1 PIN 17.

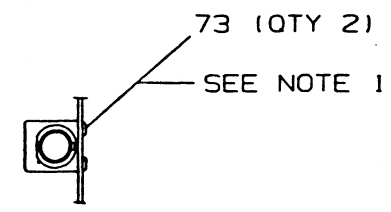
WIRE ADDS SIDE TWO (AS SHOWN).

- 0-24. FROM E20 PIN 12 TO E20 PIN 11.
- 0-25. FROM E25 PIN 6 TO E25 PIN 7.
- 0-26. FROM R46 PIN 2 TO C46 PIN 1.
- 0-27. FROM R45 PIN 2 TO C47 PIN 2.
- 0-28. FROM E25 PIN 1 TO R42 PIN 2.
- 0-29. FROM C45 PIN 1 TO R42 PIN 2.
- 0-30. FROM R46 PIN 1 TO C36 PIN 2.
- 0-31. FROM C47 PIN 1 TO C36 PIN 1.

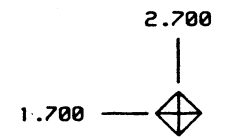
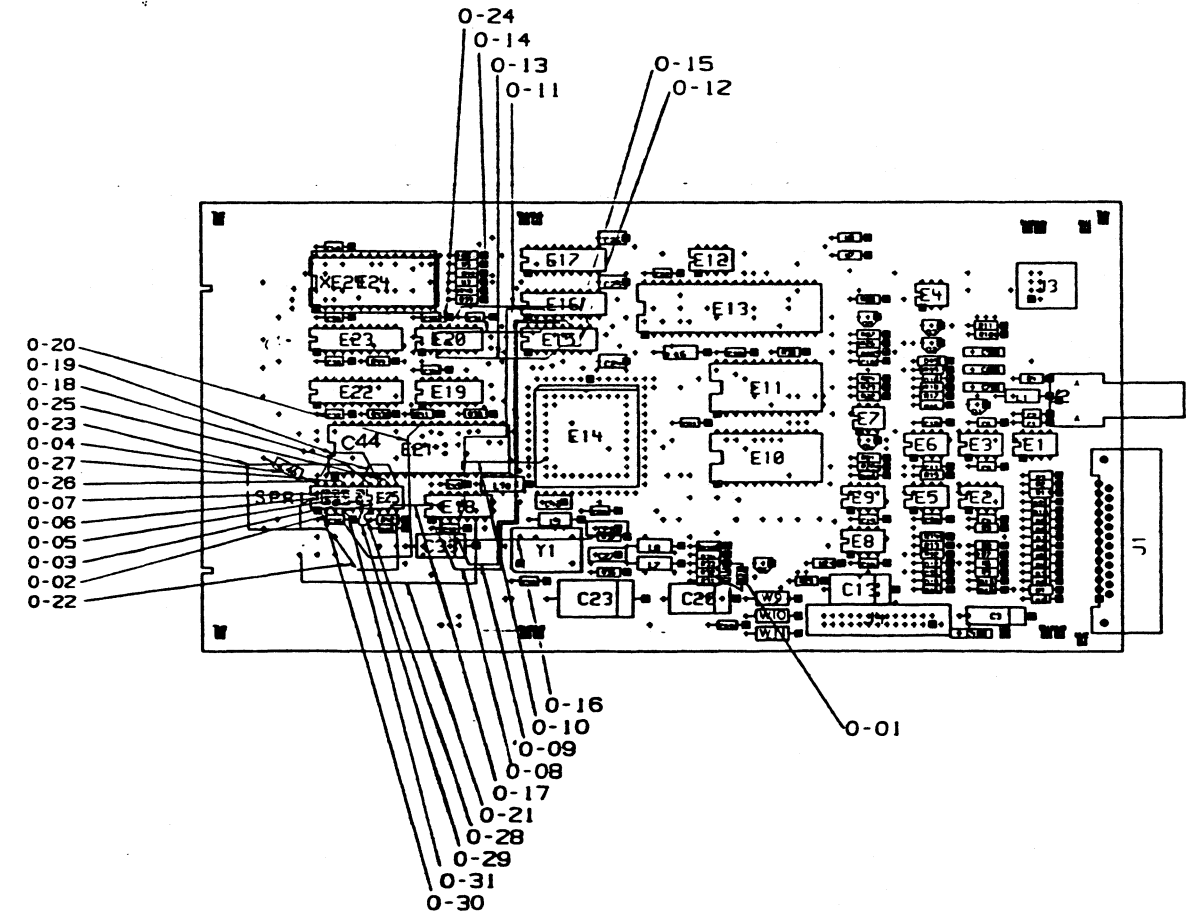
CUT ETCH REFER TO D-EC-5017035-0-0

WIRE ADDS SIDE ONE (AS SHOWN).

- 0-08. FROM E18 PIN 1 TO E15 PIN 12.
- 0-09. FROM E18 PIN 3 TO E15 PIN 11.
- 0-10. FROM E18 PIN 4 TO E14 PIN 27.
- 0-11. FROM E18 PIN 4 TO E15 PIN 13.
- 0-12. FROM E15 PIN 10 TO E15 PIN 4.
- 0-13. FROM E15 PIN 4 TO E20 PIN 13
- 0-14. FROM E20 PIN 13 TO E15 PIN 14.
- 0-15. FROM E15 PIN 9 TO E20 PIN 11.
- 0-16. FROM E25 PIN 2 TO R37 PIN 2.
- 0-17. FROM E25 PIN 3 TO E18 PIN 3.
- 0-18. FROM E25 PIN 5 TO C45 PIN 2.
- 0-19. FROM E25 PIN 7 TO C46 PIN 1.
- 0-20. FROM R45 PIN 1 TO E21 PIN 30.
- 0-21. FROM R45 PIN 2 TO E18 PIN 6.
- 0-22. FROM E25 PIN 4 TO NEAREST PTH (NEARBY C36 ,LOCATED ON +5V COPPER).
- 0-23. FROM E25 PIN 8 TO NEAREST PTH (SAME LOCATION AS ITEM 0-22).



VIEW "A-A"



H-MASTER-REF.

CHK	DRAWN BY	ENGINEER	CHANGE NO	DATE	REV
			INITIAL	JUL-86	A

CHK	DRAWN BY	ENGINEER	CHANGE NO	DATE	REV

STEP #	↑ Y AXIS	STEP	TIMES
REPEAT	→ X AXIS	STEP	TIMES


SIGNATURES		DATE	digital
DRAWN	C. K. LIAO	8-24-86	
CHECKED	B. CHEN	8-24-86	
MECH ENG	O. LIN	8-24-86	
PROJ ENG	S. W. CHENG	8-24-86	
PROD	<i>[Signature]</i>	<i>[Signature]</i>	
SCALE	1/1		
SHEET	1 OF 1		
TITLE	UNIT ASSY. TERMINAL CONTROL MODULE		
SIZE	CODE	NUMBER	REV
D	UA	5417036-0-0	A



DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS																	
		50-17035-01	220CR T/C BD	D1																	
D-MD-5017035-0-0	2		DRILL AND ETCH, T/C BD	A																	
D-EC-5017035-0-0	2		ETCH CUT, T/C BD	A																	
D-SS-5017035-0-1	1		SILK SCREEN, T/C BD	A																	

**NOTES:**

REVISION HISTORY		DATE	ECO NO.	REV.
JUL '86				A

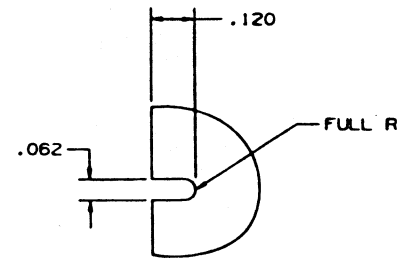
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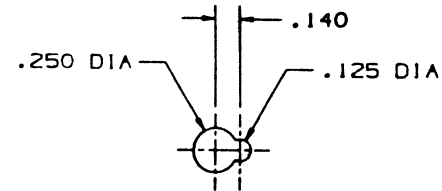
DRN.	F. LIU	DATE	5-MAY-86	TITLE	DWG DIR, T/C BD		
CHK'D	B. CHEN	DATE	5-MAY-86				
DES. ENG.	H. C. HONG	DATE	5-MAY-86				
RESP. ENG.	S. W. CHENG	DATE	5-MAY-86				
MFG. ENG.		DATE					
				DOCUMENT NUMBER			
SIZE	CODE	NUMBER		REV.			
B	DD	5017035-0-0		A			
				SHEET	1	OF	1

*Gang Chen* 20 Aug 86

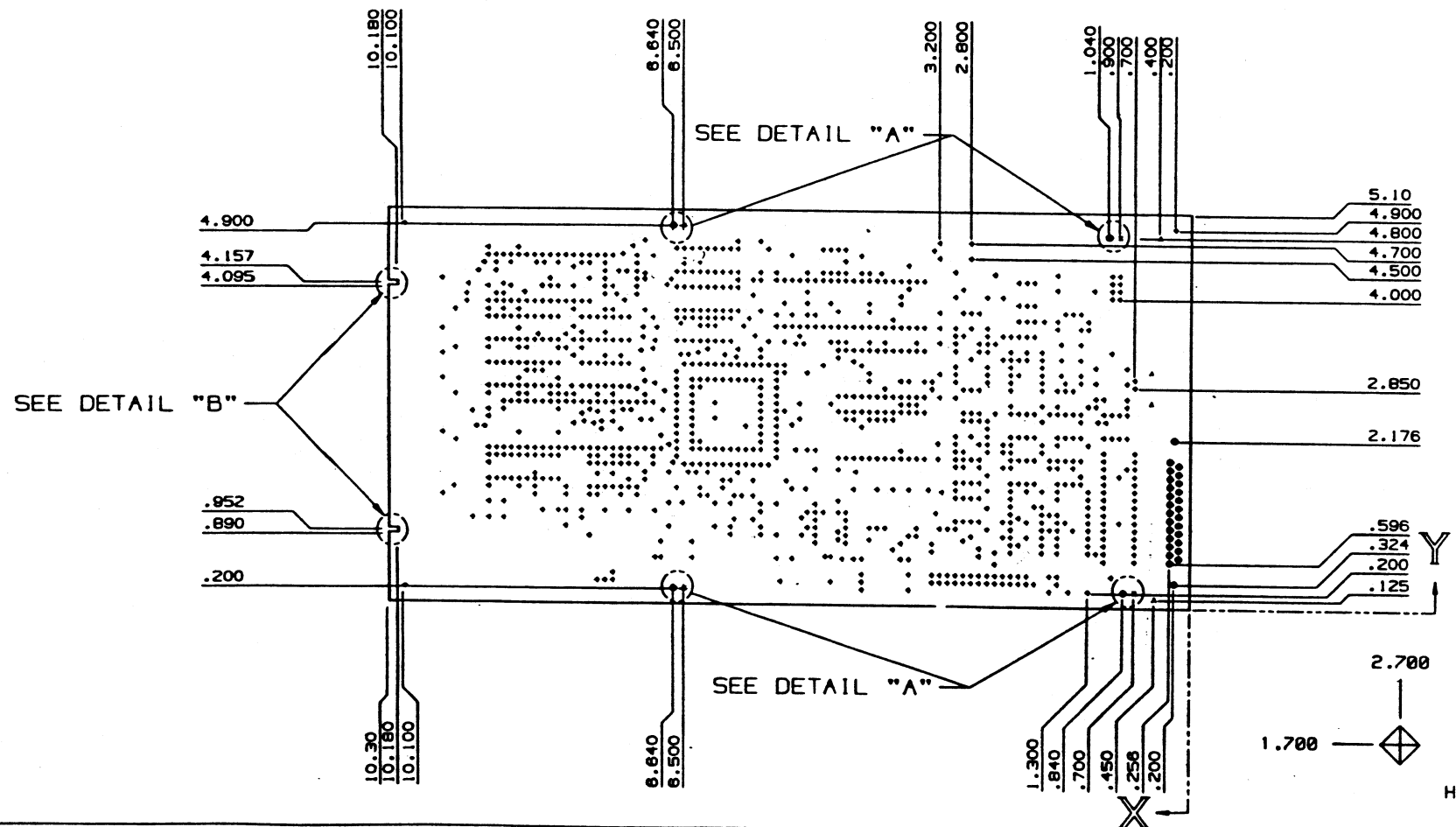
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DETAIL "B" 2 PLCS  
SCALE : 4/1



DETAIL "A" 4 PLCS  
SCALE : 2/1



CHANGE NO.	DATE	REV.
INITIAL		
ENGINEER		
DRAWN BY		
CHECK		

SYMBOL	FOR HOLE TOLERANCES USE DEC STD 176				
	+	A	X	+	Z
FIN HOLE SIZE	.038	.101	.125	.157	.250
PLATED	*		*		*
NON PLATED		*		*	
QUANTITY	1164	4	6	4	4
OFF GRD HOLE	25	0	2	0	4
DRILL SIZE					

NOTE: ALL HOLE LOCATIONS ARE DESIGNED ON .025 GRID INCREMENTS FROM DATUM UNLESS SYMBOL IS CIRCLED.

DESIGN INFORMATION	
CIRCUIT SIZE	X 10.30 Y 5.10 INCHES
CIRCUIT TYPE	PPE <input type="checkbox"/> PTH <input checked="" type="checkbox"/> MLD <input type="checkbox"/>
CIRCUIT	HDISKIS <input type="checkbox"/>
TECHNOLOGY	SD <input type="checkbox"/> HDISKIS <input checked="" type="checkbox"/> H2D <input type="checkbox"/> OTHER <input type="checkbox"/>
UL REQUIREMENTS	LPWR <input checked="" type="checkbox"/> HPWR <input type="checkbox"/>
CIRCUIT OUTLINE & FINGER DETAIL	NONE <input type="checkbox"/> AS SHOWN <input type="checkbox"/>
LAYER CONSTRUCTION PER	C-MD-ELENG29-04 <input checked="" type="checkbox"/> AS SHOWN <input type="checkbox"/>
ARTWORK LAYOUT	MANUAL <input type="checkbox"/> CAD <input checked="" type="checkbox"/>
END SPECIAL FEATURES	
SPECIAL NOTES	

FABRICATION INFORMATION	
FABRICATE BOARD PER	<input type="checkbox"/> AS SHOWN <input type="checkbox"/>
SOLDER MASK SIDE 1	<input checked="" type="checkbox"/> SIDE 2 <input checked="" type="checkbox"/> NONE <input type="checkbox"/>
INCIRCUIT TRIEVING	<input type="checkbox"/> YES <input checked="" type="checkbox"/> TRIEVING VOIDS <input type="checkbox"/> YES <input checked="" type="checkbox"/>
SPECIFICATIONS AND STANDARDS	
MATERIALS AND WORKMANSHIP FOR ALL FABRICATED PRINTED WIRING	
BOARDS MUST MEET OR EXCEED THE REQUIREMENTS OF DEC STD 176	
SPECIAL NOTES	SILK SCREEN PRINTED ON SIDE ONE

TOLERANCES	
INCHES UNLESS SPECIFIED	
JOCK ± .010	ANGLES
JOX ± .02	±0 DEG 30 MIN
X ± .1	

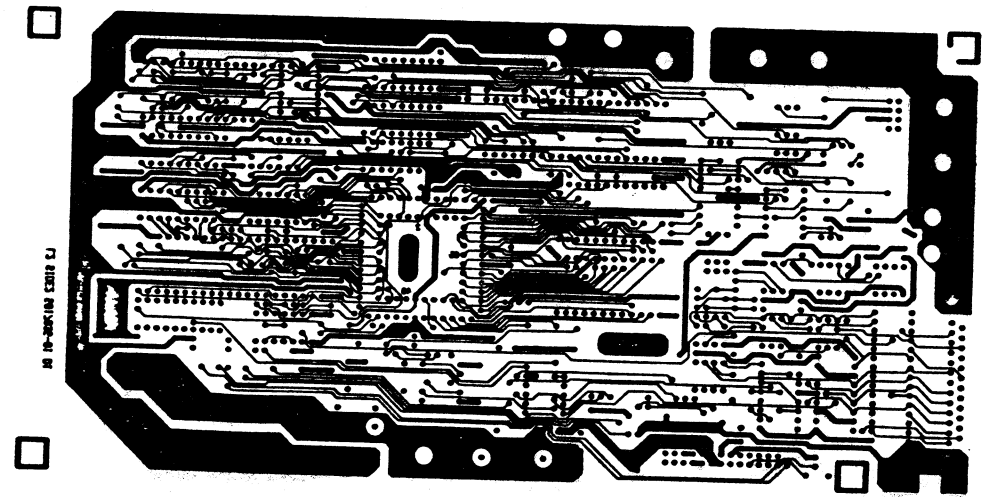
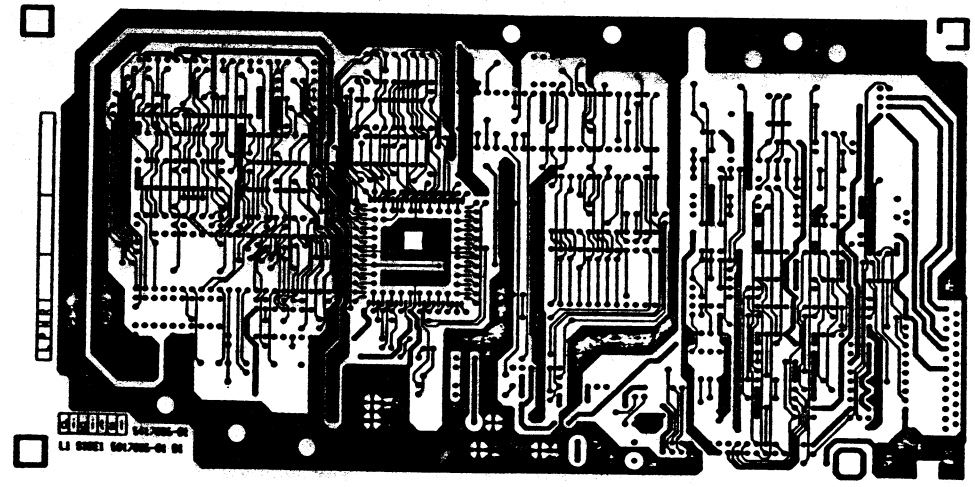
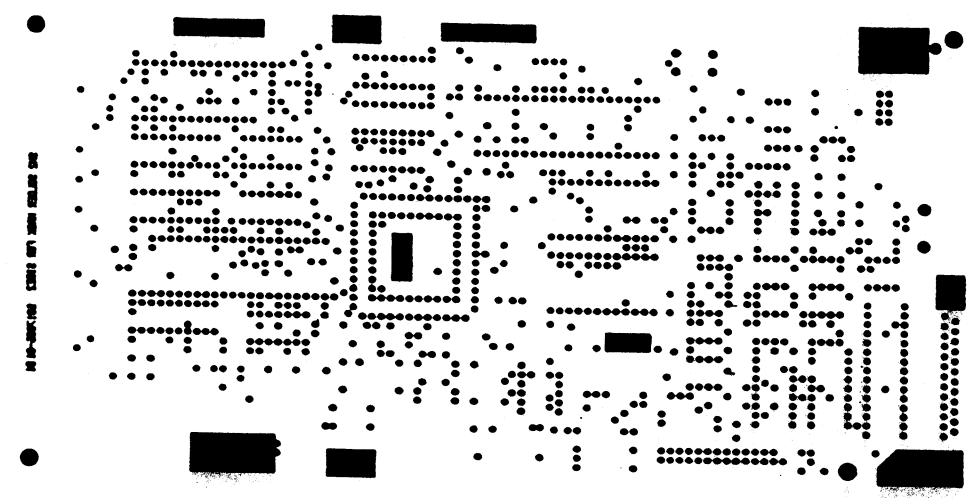
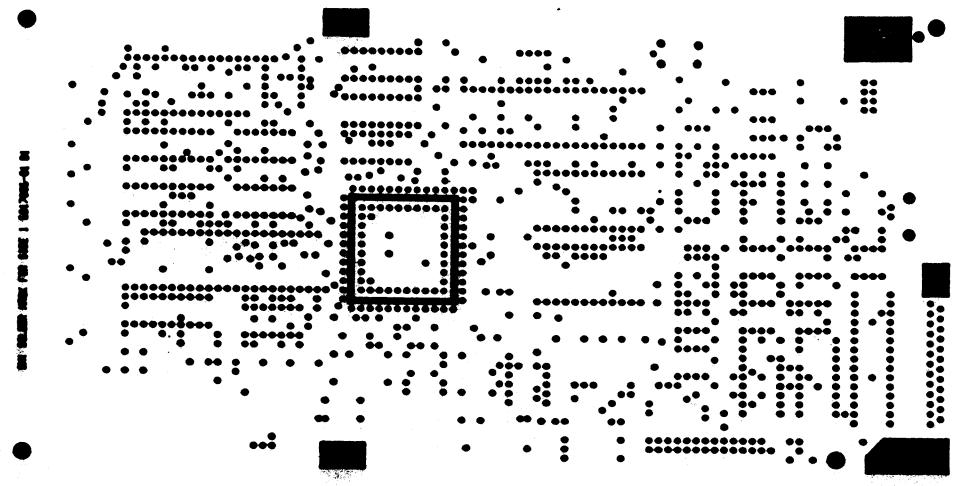
SIGNATURES	DATE
DRAWN: C. K. LIAO	8-20-88
CHECKED: B. CHEN	8-20-88
MECH ENG: Q. LIN	8-20-88
PROJ ENG: S. W. CHENG	8-20-88
MFG ENG: [Signature]	8-20-88

TITLE: DRILL AND ETCH, TERMINAL CONTROL BOARD
SCALE: 1/1
SHEET 1 OF 2
TOP DOC NO. B-DD-5017035-0-0

SIZE D	CODE MD	NUMBER 5017035-0-0	REV A
50/PART REV. 01			1 WO#

digital

1986 DIGITAL EQUIPMENT CORPORATION



REV	DATE	ECO NUMBER	INITIAL
1	JUL 86		

REVISION HISTORY	

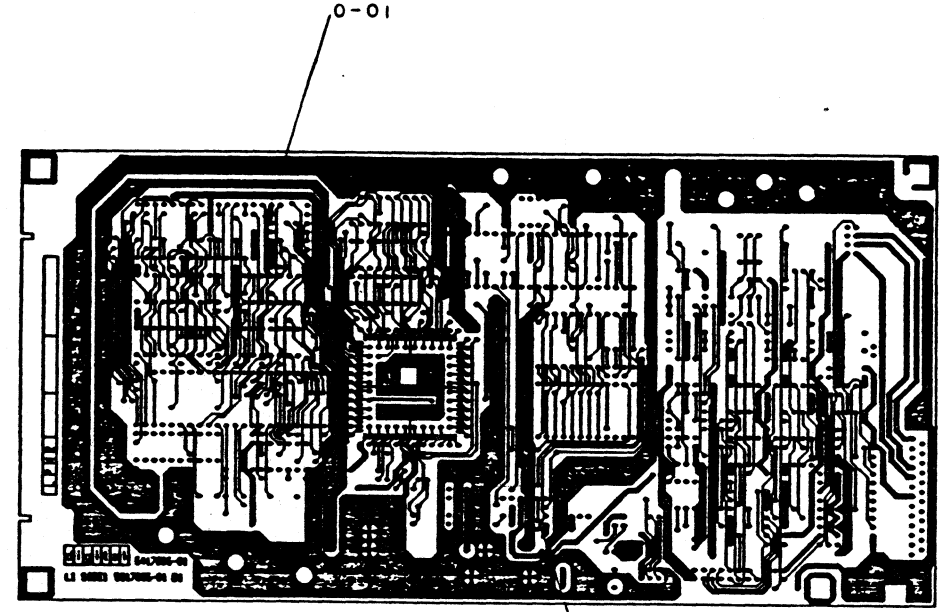
TITLE  
DRILL AND ETCH,  
TERMINAL CONTROL BOARD

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV
D	MD	5017035-0-0	A
SCALE		1/1	SHEET 2 OF 2

1968 DIGITAL EQUIPMENT CORPORATION

REWORK INSTRUCTIONS:

- 0-01. CUT 8 MIL ETCH BETWEEN E20 PIN 11 AND W5 PIN 2.
- 0-02. CUT 8 MIL ETCH BETWEEN R33 PIN 1 AND PTH WHICH BELOW R32 (CONNECTED TO E14 PIN 45).



VIEWED FROM SIDE 1

DATE	REV. NUMBER	REV.
		A

INITIAL

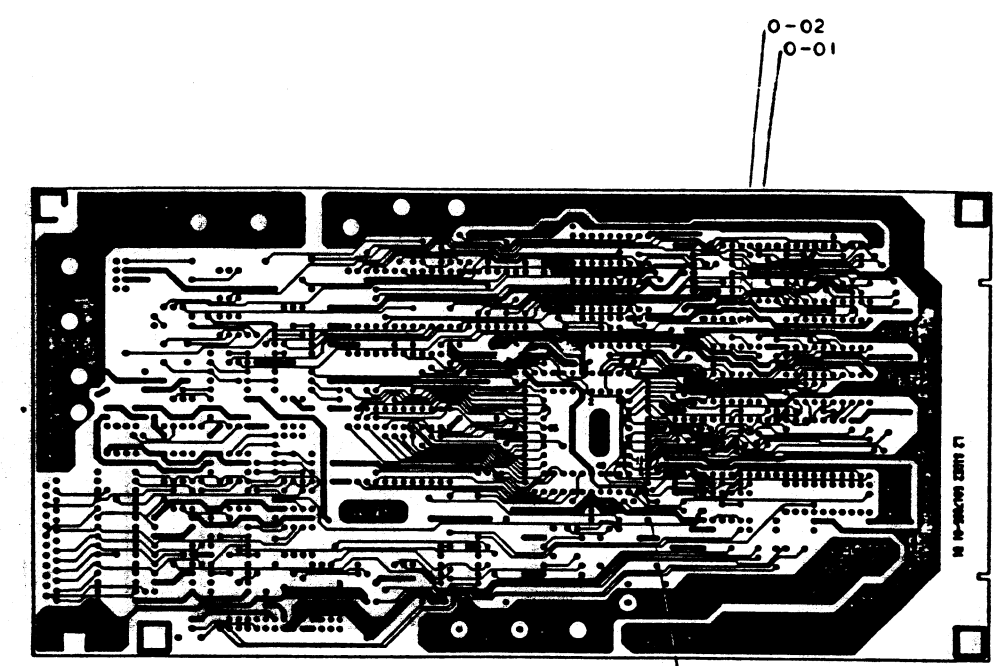
DRN	C. K. LIAO	DATE	5-MAY-68	TITLE	digital
CHK'D	B. CHEN	DATE	5-MAY-68	ETCH CUT, TERMINAL CONTROL BOARD	A
RECD. ENG.	O. LIN	DATE	5-MAY-68		
REP. ENG.	S. W. CHENG	DATE	5-MAY-68	DOCUMENT NUMBER	
DATE	22 Aug 78	SCALE	1/1	NUMBER	5017035-0-0
BY		SHEET	1	REV.	A
8-00-5017035-0-0		OF	2		

5017035-0-0  
DEC EC

1986 DIGITAL EQUIPMENT CORPORATION

**REWORK INSTRUCTIONS:**

- 0-01. CUT 8 MIL ETCH BETWEEN E20 PIN 12 AND E20 PIN 13.
- 0-02. CUT 8 MIL ETCH BETWEEN E20 PIN 12 AND E15 PIN 4.
- 0-03. CUT 8 MIL ETCH BETWEEN E14 PIN 27 AND PTH(CONNECTED TO R38 PIN 21).

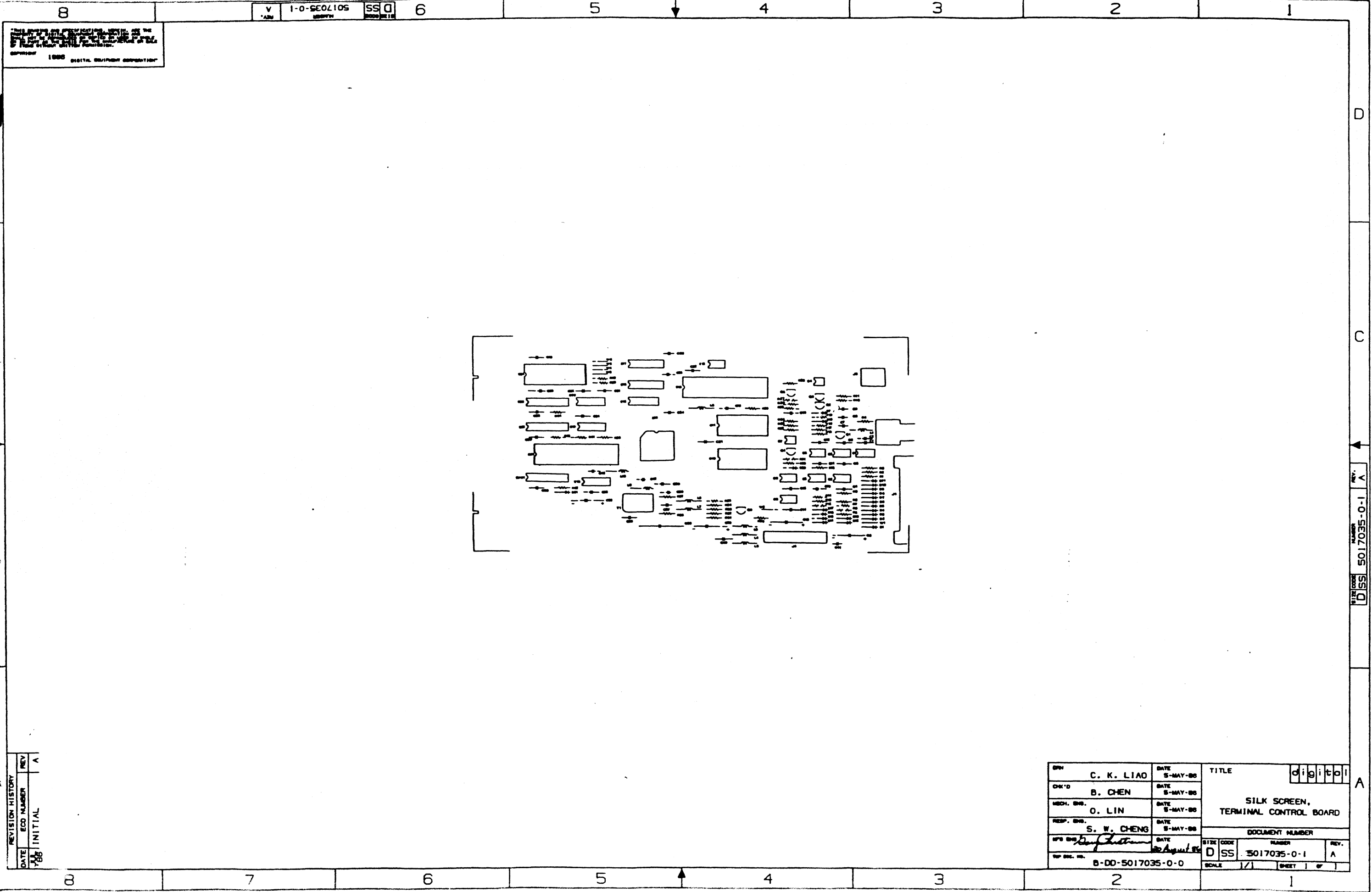


VIEWED FROM SIDE2

DATE	REV	ECO NUMBER	INITIAL

TITLE		DOCUMENT NUMBER		
ETCH CUT, TERMINAL CONTROL BOARD		5017035-0-0	REV. A	
SCALE	1/1	SHEET 2 OF 2		

FILE CODE: DEC 5017035-0-0 REV. A



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REVISION HISTORY		REV
DATE	ECD NUMBER	INITIAL
8/88		A

DESIGNED BY	C. K. LIAO	DATE	5-MAY-88	TITLE	digital		
CHECKED BY	B. CHEN	DATE	5-MAY-88				
Mech. Eng.	O. LIN	DATE	5-MAY-88				
RESP. ENG.	S. W. CHENG	DATE	5-MAY-88				
DATE	20 August 88						
DOCUMENT NUMBER				SIZE	CODE	NUMBER	REV.
8-00-5017035-0-0				D	SS	5017035-0-1	A
SCALE				1/1	SHEET 1 OF 1		

5017035-0-1  
 D SS  
 REV. A

DRAWING NO.	NO OF SHTS.	PART NO.	DESCRIPTION	REVISIONS																	
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
		54-17038-01	220CR P/S & MTR MODULE	A1																	
D/UA-5417038-0-0	1		UNIT ASSY, P/S & MTR MODULE	A																	
B-CS-5417038-0-1	2		SCHEMATIC, P/S & MTR MODULE	A																	
K-PL-5417038-0-DBP	3		PARTS LIST, P/S & MTR MODULE	A																	
K-PC-5417038-0-DBV	1		P.C. DESIGN DATA BASE	A																	
K-CS-5417038-0-DBX	1		VALID DATA BASE	A																	
		50-17037-01	220CR P/S & MTR BD	D1																	
B-DD-5017037-0-0	1		DRAWING DIRECTORY	A																	

**NOTES:**

REVISION HISTORY	
DATE	ECO NO. REV.
JUL '86	RELEASED A

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DRN. F. LIU	DATE 5-MAY-86	TITLE DWG DIR, P/S & MTR MODULE
CHK'D B. CHEN	DATE 5-MAY-86	
DES. ENG. K. WU	DATE 5-MAY-86	DOCUMENT NUMBER
RESP. ENG. J. B. LO	DATE 5-MAY-86	
MFG. ENG. <i>Randy Christensen</i>	DATE 20 Aug 86	SIZE B CODE DD NUMBER 5417038-0-0 REV. A
		SHEET 1 OF 1

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV	REFERENCE DESIGNATORS
					01 A1	
1	B-DD-5017037-0	50-17037-01	D	CIRCUIT DRILL AND ETCH	1	
2		10-01631-00		390 PFD 100V +/- 5% 200PP	1	C101
3		10-09312-00	B	.0047 MFD 100V 1% MYLR	1	C203
4		10-12084-01	A	8.0 MFD 25V +75/-10% ALU	1	C503
5		10-12312-01		0.47 MFD 50V +80/-20% Z5U C	4	C508,C510,C512,C514
6		10-12784-00	A	0.047MFD 50V +80/-20% Z5U C	1	C223
7		10-13280-00		680 PFD 1000V +/- 5% 200PP	1	C224
8		10-13466-55		2200 PFD 50V +/- 5% X7R C	2	C516,C517
9		10-13669-02	D	.10 MFD 150V 5% M.POLYPROP	3	C304,C307,C308
10		10-14052-00	A	100 MFD 25V+100-10% AL EL	2	C102,C303
11		10-16544-00	A	.1 MFD 100V 10% MYLR	7	C103,C150,C205,C211,C212,C302, CONT C519
12		10-16546-00		0.22 MFD 600V +/-10% MET.	2	C221,C222
13		10-16548-00	A	1000 MFD 16V +50-10% AL EL	1	C215
14		10-16549-00	A	47 MFD 10V +50-10% AL EL	2	C309,C313
15		10-16557-00	A	470 MFD 16V +50-10% AL EL	2	C206,C301
16		10-16558-00	A	10 MFD 25V 20% AL EL	1	C216
17		10-16569-00		.0022 MFD 100V 10% MYLR	1	C306
18		10-16571-00		.02 MFD 500V +80-20%Z5U DISC	1	C106
19		10-16572-00	A	300.0 MMF 500V 10% X5P DISC	2	C200,C305
20		10-18000-25		220 MFD 16V +/-20% ALU	1	C151
21		10-18000-28		1.0 MFD 100V +50/-20% ALU	4	C204,C310,C513,C518
22		10-18000-33		100 MFD 25V +50/-20% ALU	2	C507,C509
23		10-18000-37		4.7 MFD 100V +50/-20% ALU	1	C210
24		10-19559-01		0.020MFD 1000V +80/-20% Y5U/Z	3	C218-C220
25		10-20166-01		10 MFD 250V +50/-10% ALU	1	C105
26		10-20308-03		47 MFD 100V +50/-20% ALU	1	C107
27		10-20308-04		22 MFD 100V +50/-20% ALU	1	C104
28		10-21480-01		0.068MFD 200V +/-10% POLYP	1	C207
29		10-21480-04		0.027MFD 250V +/- 5% POLYP	1	C208
30		10-21480-05		0.022MFD 250V +/- 5% POLYP	1	C213
31		10-21931-01		5600 PFD 300V +/- 5% 70PP	1	C202

**PRELIMINARY**

REVISION HISTORY			KPL MODULE FORMAT			SECTION A OF A			DRN: LCAMACHO				
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX			DATE:	19-MAR-86			DIGITAL			
	INITIAL	A	[A]	01	[M]	CHK'D:	B CHEN			TITLE PARTS LIST			
			[B]		[N]	DATE:	11-JUL-86			MONITOR & POWER SUPPLY BRD			
			[C]		[P]	DES.ENG:	O LIN						
			[D]		[Q]	DATE:	11-JUL-86			DOCUMENT NUMBER			
			[E]		[R]	RESP.ENG.:	S W CHENG			SIZE	CODE	NUMBER	REV
			[F]		[S]	DATE:	11-JUL-86			K	PL	5417038-0-DBP	A
			[G]		[T]	MFG.ENG:	C TANNER			RELEASE DATE:			
			[H]		[U]	DATE:	11-JUL-86			RELEASE STATUS: UNDER CHANGE			
			[I]		[V]								
			[J]		[W]								
			[K]		[X]								
			[L]		[Y]								
						BASIC PART NUMBER:	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:	EDIT #			
						5417038	D-UA-5417038-0-DBU	B-DD-5417038-0	GH983A.PLS	62			

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AUTOMATED BY VAXKPL (V1.2)

PARTS LIST

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV	REFERENCE DESIGNATORS
						01 A1	
32	32		10-26938-01		2200 MFD 16V +/-20% ALUM	1	C311
33	33		10-24423-01		4700 MFD 16V +/-20% ALU	1	C214
34	34		10-13466-31		15 PFD 50V +/- 5% NPO C	1	C108
35	35		10-26582-01		0.047MFD 50V +/-5% MYLAR	1	C504
36	36		10-26588-01		1000 PFD 50V +/- 5% MYLAR	2	C505,C515
37	37		10-26610-01	A	100 MFD 25V +/-20% ALU	2	C506,C511
38	38		10-26958-01		10,000 MFD 50V +/-20% ALU	1	C501
39	39		10-26959-01		2200 PFD 100V +/-5% POLYPR	1	C502
40	40		11-00114-00		PIV= 25 IO=135 MA	1	D507
41	41		11-05796-00		PIV= 400 IO= 1.00A 1N4004 DO-41	2	D103,D301
42	42		11-09990-00		VZ= 9.1 5% 400 MW 1N757A	1	D508
43	43		11-10836-00		VZ= 12.0 5% 400 MW 1N759A	1	D401
44	44		11-10994-00		VZ= 5.1 5% 400 MW 1N751A	1	D509
45	45		11-12594-02		PIV= 600 IO= 3.00A	2	D200,D201
46	46		11-12595-01		PIV= 200 IO= 1.00A AXIAL	1	D506
47	47		11-12595-02		PIV= 600 IO= 1.00A AXIAL	4	D100-D102,D203
48	48		11-21434-01		PIV= 700 1N5623	1	D202
49	49		11-23596-01		VZ= 3.6 500MW 1N5989C	1	ZD1
50	50		11-24037-01		VZ= 36.0 5% 400 MW 1N974B DO-35	6	D402-D407
51	51		11-26542-01		SCHOTTKY BARR	1	D505
52	52		11-26941-01		PIV= 100 IF= 6.0 A P600B	4	D501-D504
53	53		12-09340-00		MATE-N-LOK 08SKT(1X08). HSG	1	J5
54	54		12-10073-03		*** THIS ITEM IS NOT USED ***	-	
55	55		12-15323-02		PCB HEADER 02PIN(1X02).100CC STR	1	J7
56	56		12-16521-00		PCB,HEADER 04PIN(1X04).156CC STR	1	J1
57	57		12-18819-00		PCB,HEADER 02PIN(1X02).156CC	1	J501
58	58		12-18826-00		CONN,PHONE JACK 04 POS	1	J6
59	59		12-20128-01		HEAT SINK,TO-202 1.450X01.	1	U202
60	60		12-20959-02		CONN,D SUB 09PIN ASSY PC MNT	1	J4
61	61		12-26611-01		HEAT SINK	1	U502
62	62	C-IA-7433992-0-DBU	74-33992-01	A	BRACKET,MOUNTING	1	U501
63	63		13-00168-00		10.0 .50 W 5.0 % CF	1	R213
64	64		13-00197-00		33.0 .25 W 5.0 % CF	1	R105
65	65		13-00202-00		47.0 .25 W 5.0 % CF	1	R104
66	66		13-00228-00		100.0 .50 W 5.0 % CF	2	R217,R317
67	67		13-00229-00		100.0 .25 W 5.0 % CF	1	R210
68	68		13-00250-00		150.0 .25 W 5.0 % CF	2	R102,R511
69	69		13-00274-00		220.0 .50 W 5.0 % CF	1	R108
70	70		13-00316-00		470.0 .25 W 5.0 % CF	3	R212,R316,R401
71	71		13-00365-00		1.0 K .25 W 5.0 % CF	4	R230,R254,R402,R403
72	72		13-00398-00		1.80 K .25 W 5.0 % CF	2	R106,R200
73	73		13-00417-00		2.20 K .25 W 5.0 % CF	1	R226
74	74		13-00439-00		3.30 K .25 W 5.0 % CF	2	R107,R208
75	75		13-00447-00		4.70 K .25 W 5.0 % CF	2	R113,R301
76	76		13-00479-00		10.0 K .25 W 5.0 % CF	1	R502
77	77		13-00521-00		47.50 K .25 W 1.0 % RN55D-F10	1	R313
78	78		13-01310-00		270.0 K .25 W 5.0 % CF	1	R225
79	79		13-01317-00		10.0 .25 W 5.0 % CF	1	R512
80	80		13-01320-00		1.20 K .25 W 5.0 % CF	3	R206,R400,R505
81	81		13-01430-00		12.0 .25 W 5.0 % CF	2	R508,R509

PRELIMINARY

D I G I T A L										TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										MONITOR & POWER SUPPLY BRD		K	PL	5417038-0-DEP	A

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV	REFERENCE DESIGNATORS
					01 A1	
82	82	13-01775-00	820.0	.25 W 5.0 % CF	1	R209
83	83	13-01969-00	22.0	.25 W 5.0 % CF	1	R216
84	84	13-01972-00	270.0	.25 W 5.0 % CF	1	R231
85	85	13-02177-00	47.0 K	.25 W 5.0 % CF	1	R308
86	86	13-02379-00	75.0	.25 W 5.0 % CF	1	R103
87	87	13-02396-00	150.0 K	.25 W 5.0 % CF	1	R205
88	88	13-02465-00	18.0 K	.25 W 5.0 % CF	2	R202,R215
89	89	13-02466-00	100.0 K	.25 W 5.0 % CF	3	R114,R222,R224
90	90	13-03187-00	820.0 K	.25 W 5.0 % CF	1	R309
91	91	13-03219-00	82.0 K	.25 W 5.0 % CF	1	R110
92	92	13-03360-00	4.70 K	.50 W 1.0 % RN60D-F10	1	R311
93	93	13-04841-00	75.0 K	.25 W 5.0 % CF	2	R227,R228
94	94	13-05131-00	274.0 K	.25 W 1.0 % RN55D-F10	1	R302
95	95	13-05253-00	7.15 K	.25 W 1.0 % RN55D-F10	1	R501
96	96	13-09150-07	2.0 K	.50 W10.0 % POT	1	R513
97	97	13-09405-00	68.0	.50 W 5.0 % CF	1	R214
98	98	13-09595-00	1.0 M	.25 W 5.0 % CF	2	R219,R220
99	99	13-12546-00	16.50 K	.25 W 1.0 % RN55D-F10	1	R204
100	100	13-12747-00	56.20 K	.25 W 1.0 % RN55D-F10	1	R312
101	101	13-12934-00	6.80 M	.25 W 5.0 % CF	1	R223
102	102	13-13580-00	360.0	.25 W 5.0 % CF	3	R229,R250,R251
103	103	13-13844-00	221.0 K	.25 W 1.0 % RN55D-F10	1	R305
104	104	13-14951-00	390.0 K	.25 W 5.0 % CF	1	R304
105	105	13-16522-01	100.0 K	.25 W20.0 % POT	1	R307
106	106	13-16522-05	250.0 K	.25 W20.0 % POT	1	R303
107	107	13-16522-08	5.0 K	.25 W20.0 % POT	1	R203
108	108	13-16522-09	100.0 K	.25 W20.0 % POT	1	R211
109	109	13-16525-00	1.0	3.0 W10.0 % WW	1	R218
110	110	13-16845-00	3.30	.50 W 5.0 % CF	1	R310
111	111	13-17399-00	6.49 K	.25 W 1.0 % RN55D-F10	1	R503
112	112	13-17522-00	1.0	.25 W 5.0 % CF	2	R314,R315
113	113	13-18201-01	4.75 K	.25 W 1.0 % RN55D-F10	1	R504
114	114	13-18546-48	562.0 K	.25 W 1.0 % RN55D-F10	1	R306
115	115	13-19471-28	820.0	2.0 W 5.0 % M.OXIDE	1	R109
116	116	13-19563-01	5.0 M	.20 W20.0 % POT	1	R221
117	117	13-20082-05	250	.25 W30.0 % POT	1	R101
118	118	13-20082-06	100.0 K	.25W30.0 % POT W	1	R111
119	119	13-26978-01	1.20	3.0 W 5.0 % M.OXIDE/F	2	R506,R507
120	120	15-09524-00	2N 3904	NPN 310MW SI 40 40 M	1	Q400
121	121	15-16490-00	MPSU05	NPN 10W SI 2A	1	Q201
122	122	15-19536-01	SCR	PIV= 50 IO= 8.00A	1	Q501
123	123	15-20089-01	MDS 20	NPN 2W 250V 1.5A	1	Q203
124	124	15-20090-01	13006	NPN 80W 300V 8A	1	Q202
125	125	15-21002-01	2N 2369A	NPN 200MA 15V TO-18	1	Q101
126	126	15-21924-01	BF 457	NPN	1	Q102
127	127	16-16309-02		XFMR,HORIZONTAL DRIVE	1	T201
128	128	16-16536-00		XFMR HORIZONTAL WIDTH	1	L201
129	129	16-16538-00		COIL,HORIZONTAL,LINEAR	1	L202
130	130	16-18238-02		BEAD,FERRITE .1380DX.330LG	15	L101,L200,L203-L205,L601-L610
131	131	16-26299-01		XFMR,FLYBACK	1	T1

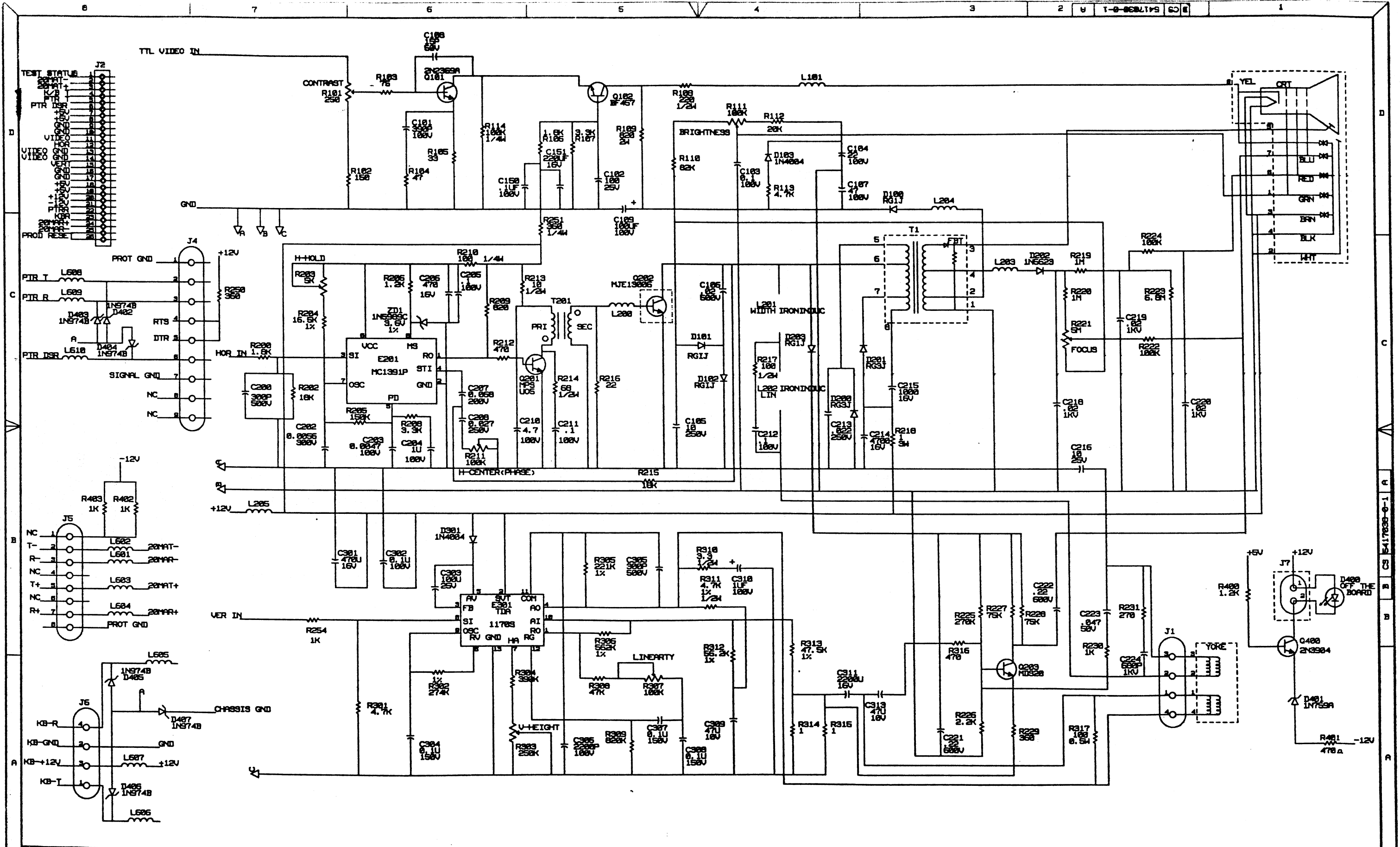
**PRELIMINARY**

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MONITOR & POWER SUPPLY BRD					5417038-0-DBP	A
										K	PL		

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV	REFERENCE DESIGNATORS
132	132		16-26942-01		CHOKES 5UH	1	L501
133	133		16-26647-01		PULSE XFMR 300UH	1	T502
134	134		19-12536-01		7805 VOLT REG, FIX +5V	1	E502
135	135		19-14517-01		7912 VOLT REG, FIX -12V	1	E503
136	136		19-19235-00		TDA 1170 AMP, VERTICAL DEFLECT	1	E301
137	137		19-21463-01		1391 TV HORIZ. PROCESSOR	1	E201
138	138		19-26357-01		LINEAR INTEGRATED CI	1	E501
139	139		12-22103-02		SKT, CRT 07POS	1	
140	140		90-07970-00		TERM, QUICK .300TAB CRIMP 18-2	1	
141	141	C-IA-7020771-0-0	70-20771-0B		CABLE ASSY	1	
142	142		12-26735-01		INSULATOR, RUBBER .011	1	
143	143		12-26735-02		INSULATOR, RUBBER .011	1	
144	144	B-IA-7023721-0-DBU	70-23721-01 A		GROUNDING WIRE ASSY	1	
145	145	B-MD-7433869-0-DBU	74-33869-01 A		BRACKET, HEAT SINK	2	
146	146		90-06010-01		SCREW, MACH PAN PHIL 4-	2	
147	147		90-06020-01		SCREW, MACH PAN PHIL 6-	2	
148	148		90-06557-00		NUT, HEX EXT TOOTH LCKWSHR 4-40	3	
149	149		90-08185-00		NUT, HEX EXT TOOTH LCKWSHR 6-32	2	
150	150		90-08301-01		SCREW, MACH PAN PHIL 4-	2	
151	151	C-MD-7428565-0-0	74-28565-01 A		THUMBWHEEL	2	
152	152		90-10750-02		SCREW, MACH PAN 6-	2	
153	153		90-10482-02		SCREW, THD RL, FLAT PHIL F/PLAS	2	
154	154		10-18000-34		100 MFD 100V +50/-20% ALU	1	C109
155	155		91-07450-99		WIRE, 24AWG( 07/32)IPVC 150V	A/R	
156	156		90-06706-00		WASHER, FLAT NYLON	2	
157	157		90-10089-00 A		SCREW, THD RL, PAN PHIL F/METAL	2	
158	158		13-02391-00		20.0 K .25 W 5.0 % CF	1	R112

**PRELIMINARY**

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MONITOR & POWER SUPPLY BRD		K	PL	5417038-0-DBP	A



REV	CHG	NO	DATE	BY
1				

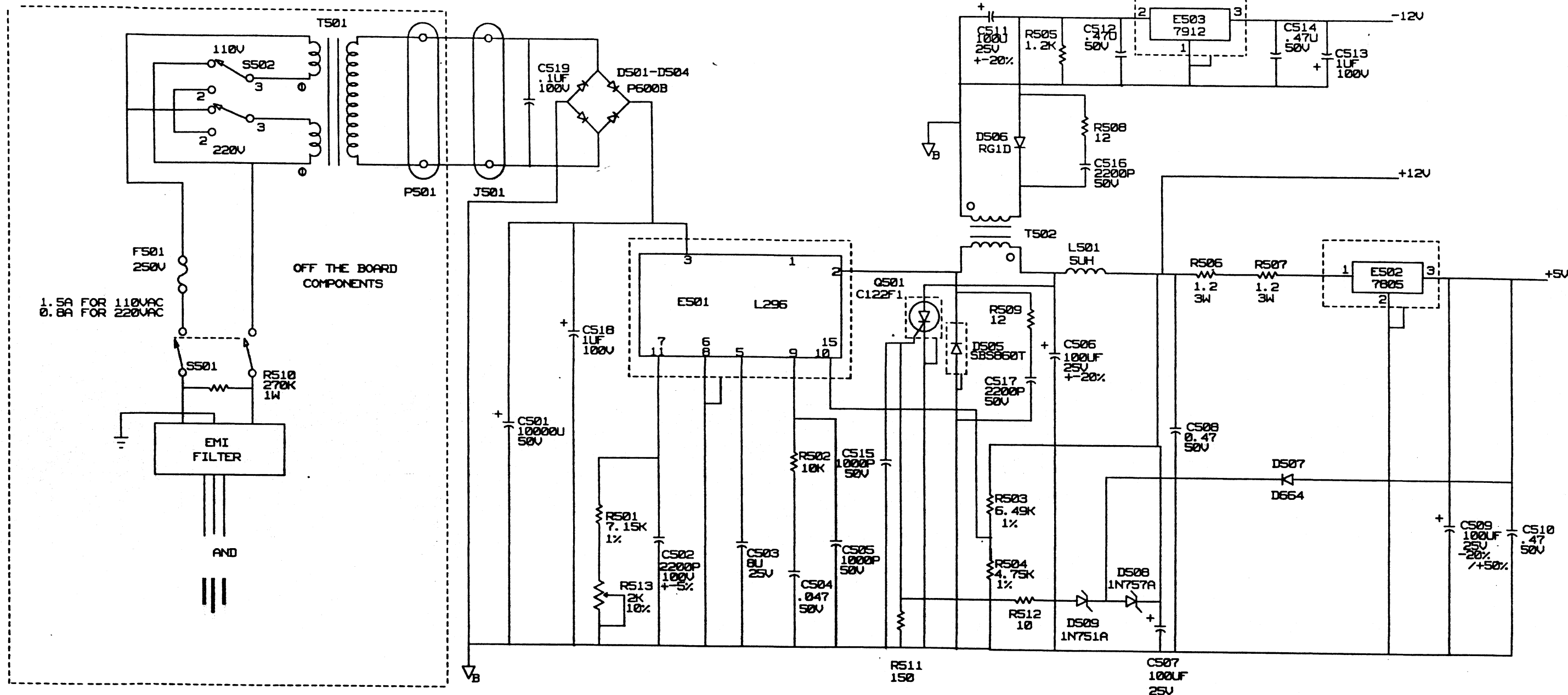
Stan Heish	87-Jul-85	K W	87-Jul-85
H.H. Chen	87-Jul-85		

8-110-5417838-8-8	1	2
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TITLE	Schematic, Pur Sup/Monitor Module
REV	1
DATE	87-Jul-85
BY	K W
CHK	
NO	
DATE	
BY	

1986  
 5417838-8-1  
 A

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OFF THE BOARD COMPONENTS

1.5A FOR 110VAC  
0.8A FOR 220VAC

EMI FILTER

AND

DESIGNED BY	J. D Shen	DATE	07-JUL-86	TITLE	Schematic, Pur Sup/Monitor Module		
BOARD LOCATION				SHEET	2 of 2		
TOP DOCUMENT NUMBER	B-DD-5417038-0-0			SIZE	B	CODE	CS
				NUMBER	5417038-0-1		REV.
							A

A CS 5417038-0-1

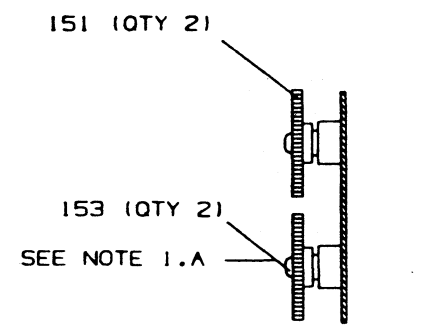
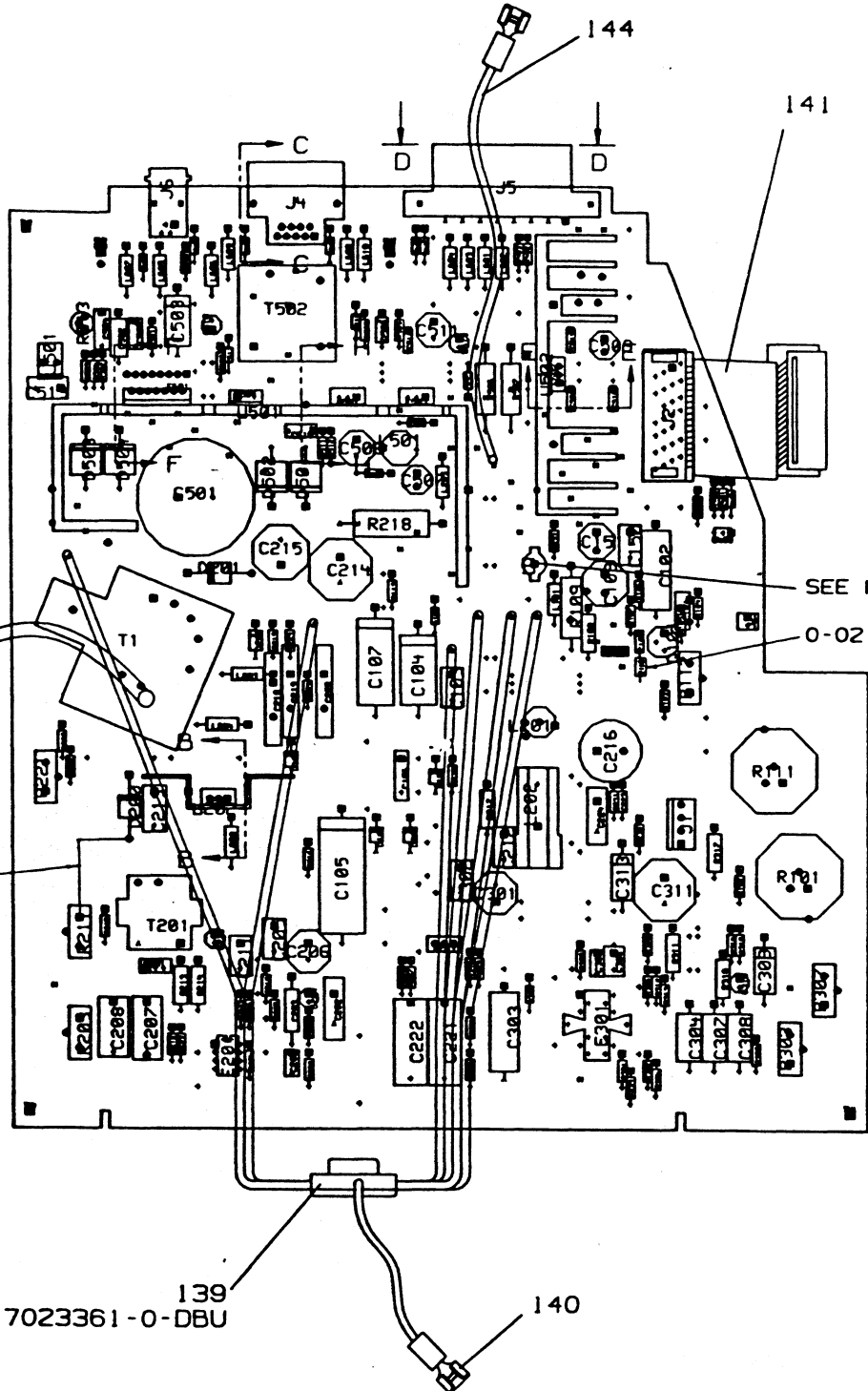
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**NOTES:**

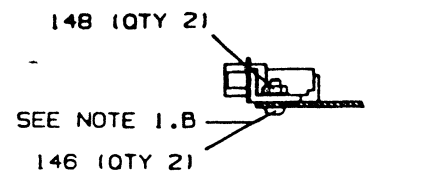
1. TORQUE REQUIREMENTS
  - A. 5-6 IN-LBS FOR ITEMS 153, 150, 157.
  - B. 6-8 IN-LBS FOR ITEMS 146, 147, 152.
2. U1 IS NOT A COMPONENT, JUST FOR LOCATION REFERENCE ONLY.

**REWORK INSTRUCTIONS:**

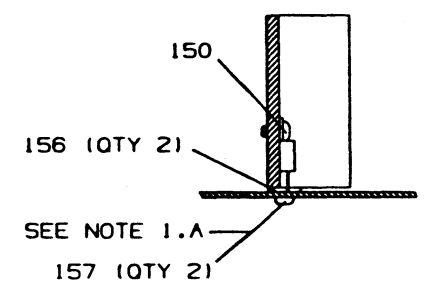
- WIRE ADDS SIDE ONE (AS SHOWN).
- 0-01 FROM D200 PIN 2 TO R211 PIN 1, USING 91-07450-99 WIRE, #24 AWG.
- COMPONENT ADDS SIDE TWO (AS SHOWN).
- 0-02 ADD R114 PN 13-02466-00 R114 PIN 1 TO C108 PIN 2 R114 PIN 2 TO NESTED GND COPPER.



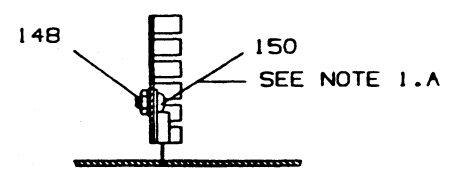
VIEW "A-A"



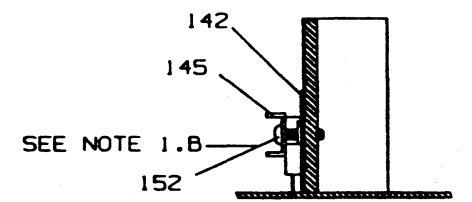
SECTION "C-C"



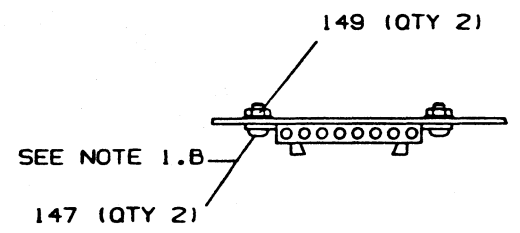
SECTION "E-E"



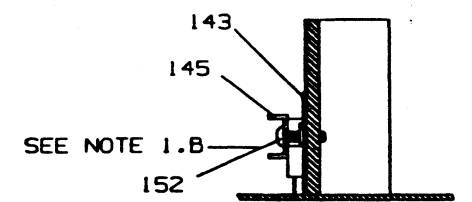
SECTION "B-B"



SECTION "F-F"

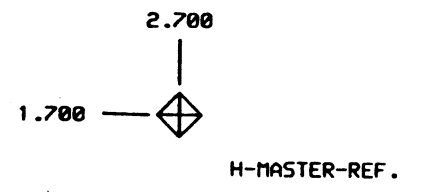


VIEW "D-D"



SECTION "H-H"

REF. D-AD-7023361-0-DBU FOR ASSY



CHK	DRAWN BY	ENGINEER	CHANGE NO	DATE	REV
			INITIAL	JUL-86	A

CHK	DRAWN BY	ENGINEER	CHANGE NO	DATE	REV

STEP	REPEAT	Y AXIS	STEP	TIMES

SIGNATURES	DATE
DRAWN W. Y. CHIEN	8-20-85
CHECKED B. CHEN	8-20-85
MECH ENG O. LIN	8-20-85
PROJ ENG J. B. LOU	8-20-85
PROD <i>[Signature]</i>	
SCALE 1/1	
SHEET 1 OF 1	
TOP DOC NO B-00-5417038-0-0	

digital			
TITLE UNIT ASSY.		PWR SUP/MONITOR MODULE	
SIZE D	CODE UA	NUMBER 5417038-0-0	REV A
TOP DOC NO B-00-5417038-0-0		DI	

PART NO.		DESCRIPTION	REVISIONS																	
	50-17037-01	220CR P/S & MTR BD	DI																	
D-5017037-0-0	3	DRILL AND ETCH, P/S & MTR BD	A																	
D-EC-5017037-0-0	2	ETCH CUT, P/S & MTR BD	A																	
D-SS-5017037-0-1	1	SILK SCREEN, P/S AND MTR BD	A																	

**NOTES:**

REVISION HISTORY	
DATE	ECO NO.
JUL '86	RELEASED A

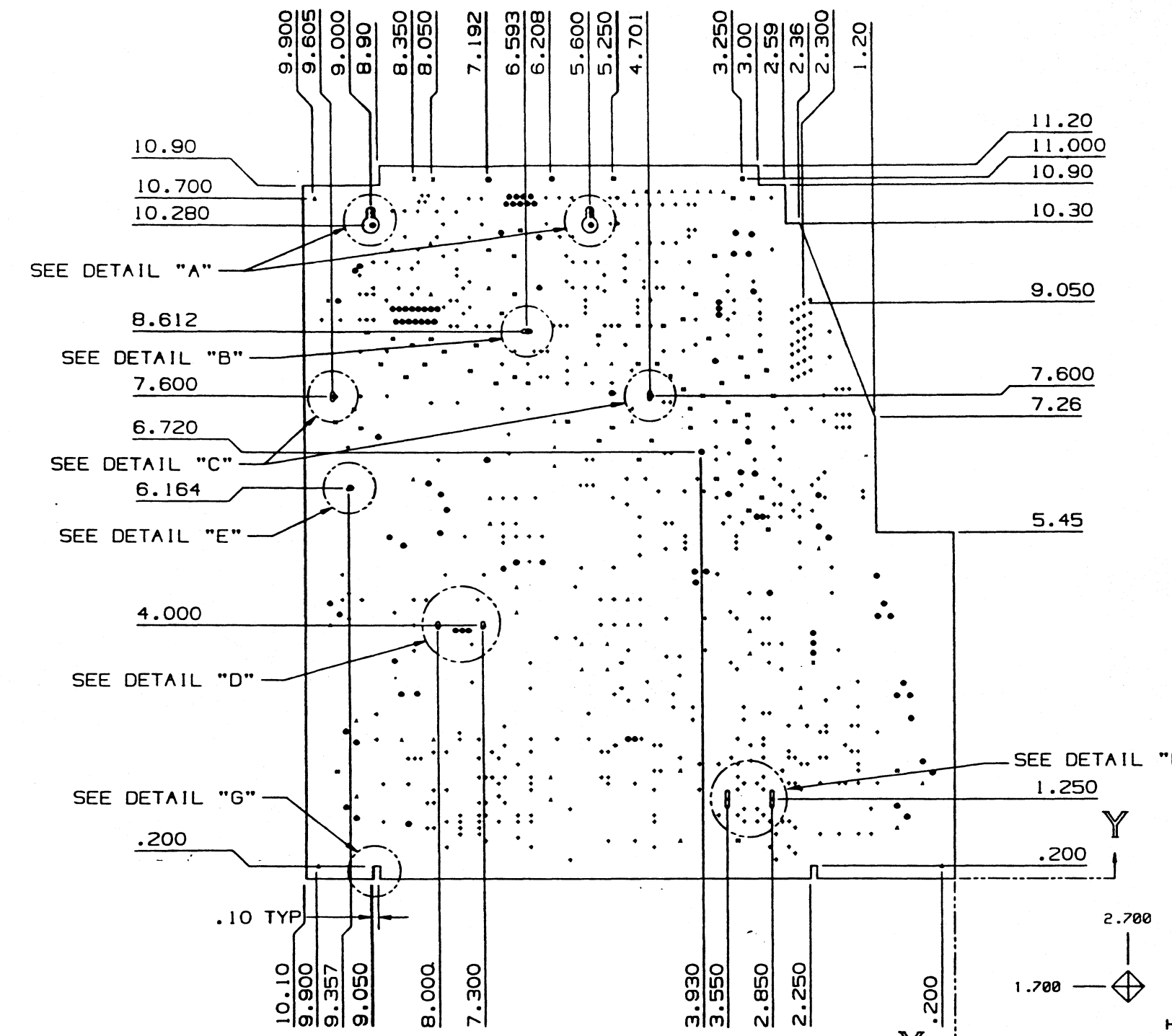
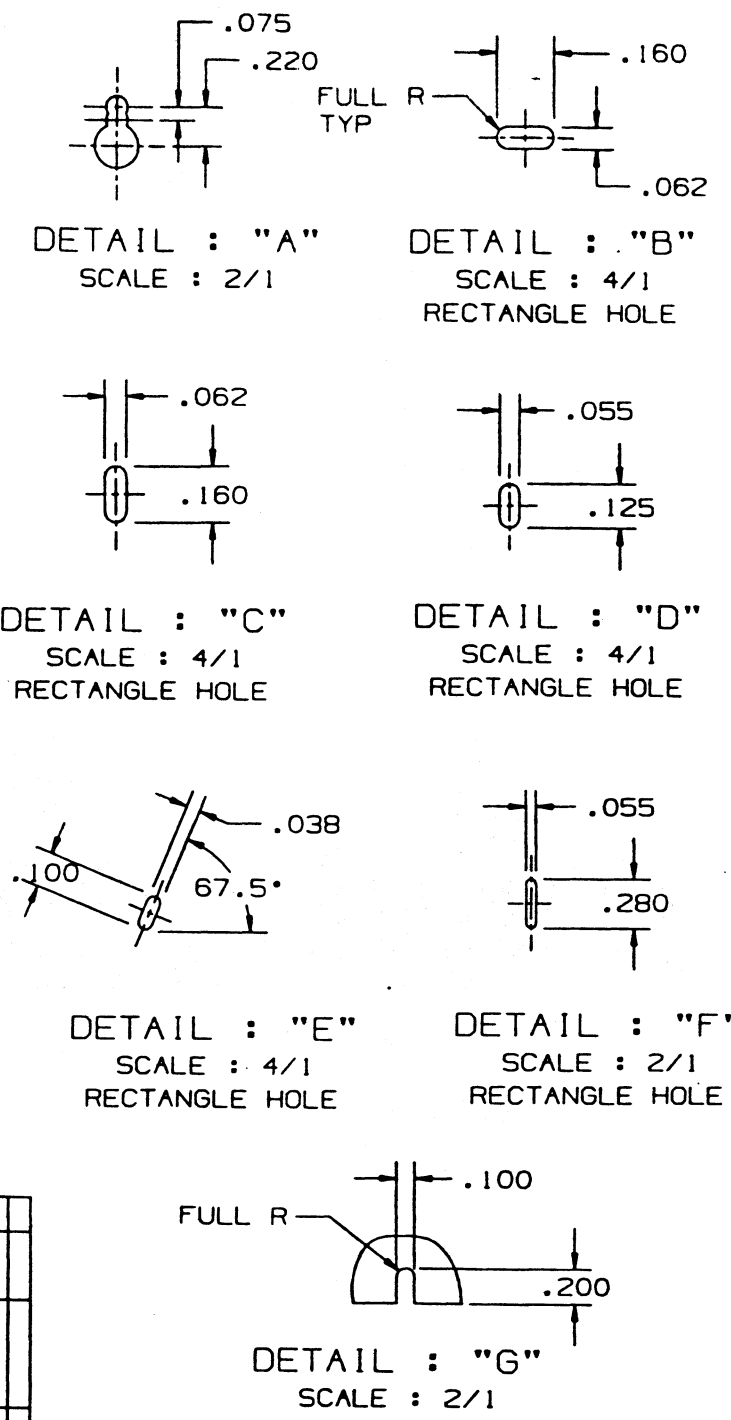
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DRN.	F. LIU	DATE	5-MAY-86
CHK'D	B. CHEN	DATE	5-MAY-86
DES. ENG.	K. WU	DATE	5-MAY-86
RESP. ENG.	J. B. LO	DATE	5-MAY-86
MFG. ENG.	<i>Randy [Signature]</i>	DATE	20 Aug 86

TITLE		DWG DIR, P/S & MTR BD	
DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
B	DD	5017037-0-0	A
SHEET		1 OF 1	

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CHANGE NO	DATE	REV
INITIAL		
ENGINEER		
DRAWN BY		
CHK		

FOR HOLE TOLERANCES USE DEC STD 176								
SYMBOL	+	A	X	+	Z	H	Δ	□
FIN HOLE SIZE	.038	.055	.062	.067	.125	.133	.157	.250
PLATED	*	*	*	*	*	*	*	*
NON PLATED	*	*	*	*	*	*	*	*
QUANTITY	529	67	9	23	9	67	4	3
○=OFF GRD HOLE	95	21	7	4	2	18	1	1
DRILL SIZE								

DESIGN INFORMATION	
CIRCUIT SIZE, X 10, Y 11, Z 20	INCHES
CIRCUIT TYPE, PPE ( ) PTH ( ) ML ( )	
CIRCUIT HOISXIS ( )	
TECHNOLOGY, SD ( ) HD12X13 ( ) HD2 ( ) OTHER ( )	
UL REQUIREMENTS LPWR ( ) HPWR ( )	
CIRCUIT OUTLINE & FINGER DETAIL NONE ( ) AS SHOWN ( )	
LAYER CONSTRUCTION PER C-MD-ELEMB29-03 ( ) AS SHOWN ( )	
ARTWORK LAYOUT, MANUAL ( ) CAD ( )	
ENG SPECIAL FEATURES:	
SPECIAL NOTES:	

FABRICATION INFORMATION	
FABRICATE BOARD PER ( ) AS SHOWN ( )	
SOLDER MASK, SIDE 1 ( ) SIDE 2 ( ) NONE ( )	
INCIRCUL DRESSING ( ) YES ( ) NO	DRIVING VOIDS ( ) YES ( ) NO
SPECIFICATIONS AND STANDARDS:	
MATERIALS AND WORKMANSHIP FOR ALL FABRICATED PRINTED WIRING	
BOARDS MUST MEET OR EXCEED THE REQUIREMENTS OF DEC STD 176.	
SPECIAL NOTES:	
SILK SCREEN PRINTED ON SIDE ONE	

TOLERANCES	
INCHES UNLESS SPECIFIED	
XXX ± .010	ANGLES
XX ± .02	±0 DEG 30 MIN
X ± .1	

digital				
TITLE	DRILL AND ETCH, PWR SUP/MONITOR BOARD			
SIGNATURES	DATE			
DRAWN: W. Y. CHIEN	9-27-68			
CHECKED: B. CHEN	9-27-68			
MECH ENG: O. LIN	9-27-68			
PROJ ENG: J. B. LOU	9-27-68			
MFG ENG: <i>Henry Chatter...</i>				
SCALE: 4/1				
SHEET 1 OF 3				
TOP DOC NO: D-MD-5017037-0-0				

NOTE: ALL HOLE LOCATIONS ARE DESIGNED ON .025 GRID INCREMENTS FROM DATUM UNLESS SYMBOL IS CIRCLED.

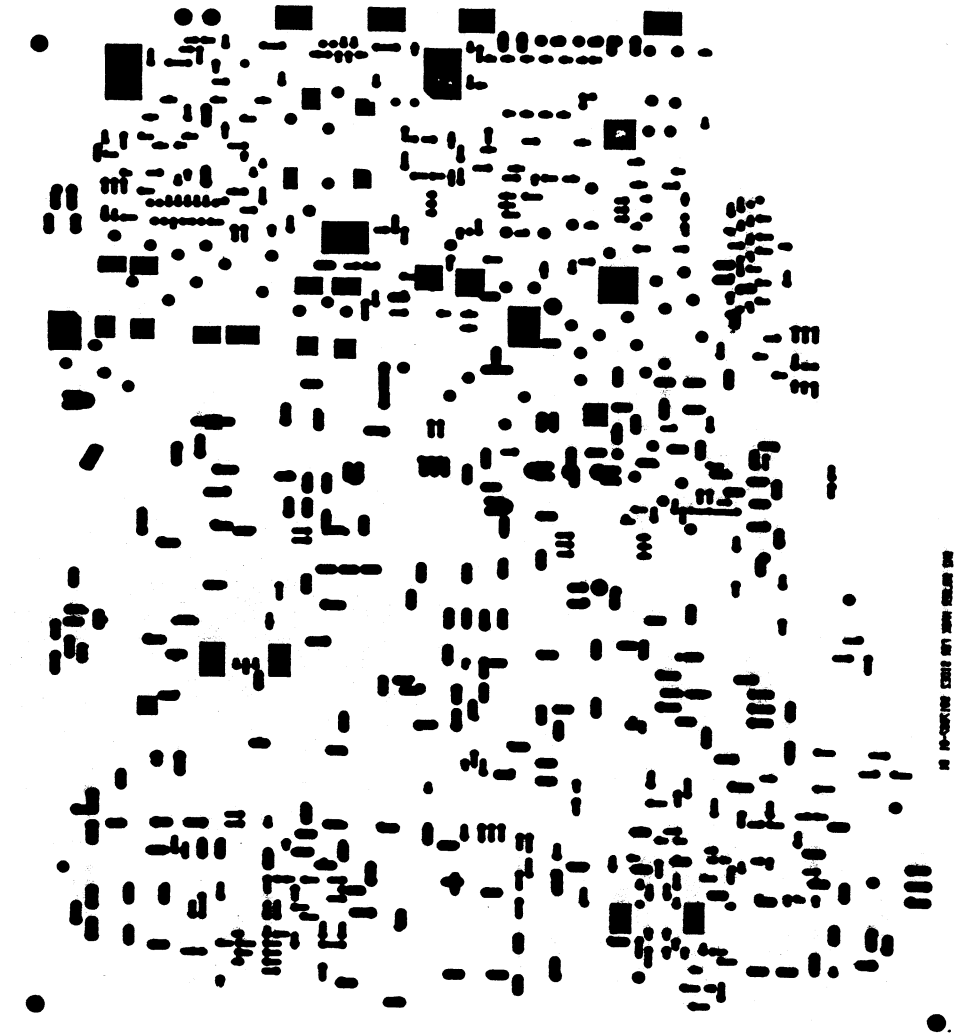
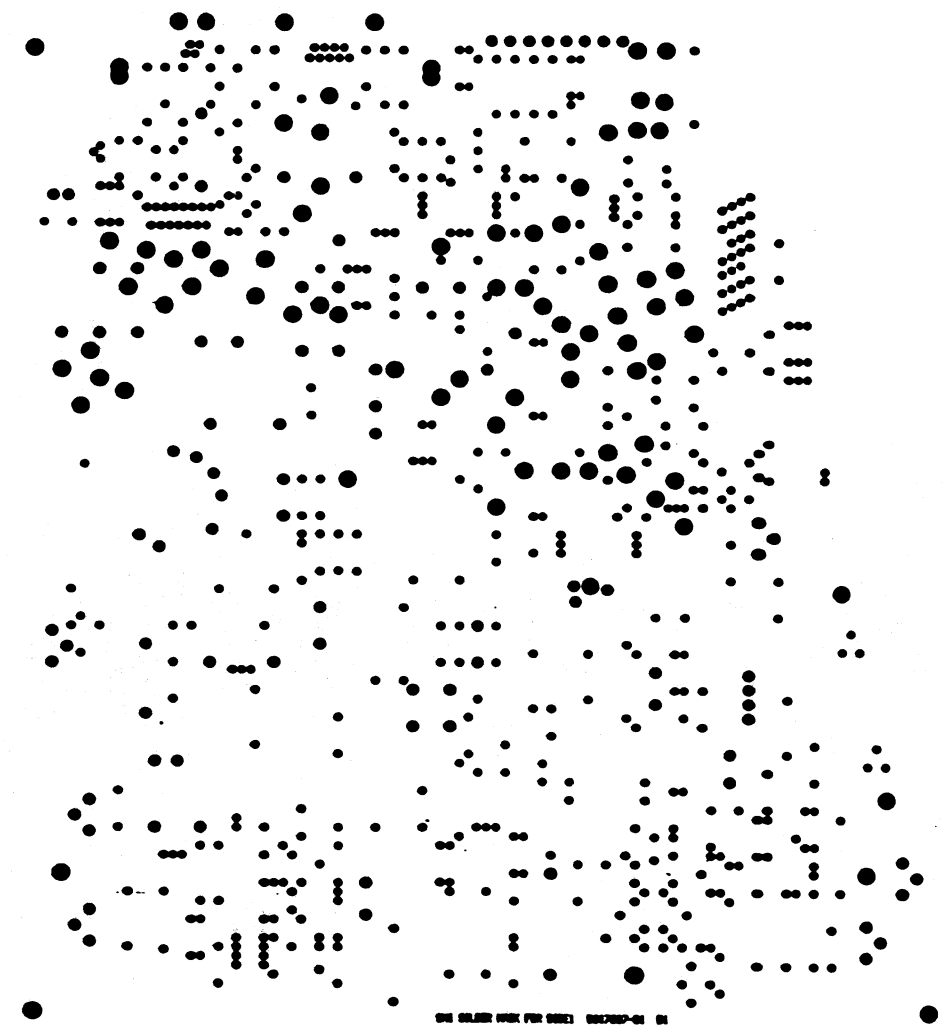
H-MASTER-REF.

WO#



1986 DIGITAL EQUIPMENT CORPORATION

6 5 4 3 2 1



SEE OTHER SHEET FOR HOLE LOCATIONS

SEE OTHER SHEET FOR HOLE LOCATIONS

D  
C  
B  
A

C  
A

REV	DATE	BY	INITIAL

REVISION HISTORY							

TITLE  
DRILL AND ETCH,  
PWR SUP/MONITOR BOARD

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
D	MD	5017037-0-0	A
SCALE 1/1		SHEET 2 OF 3	

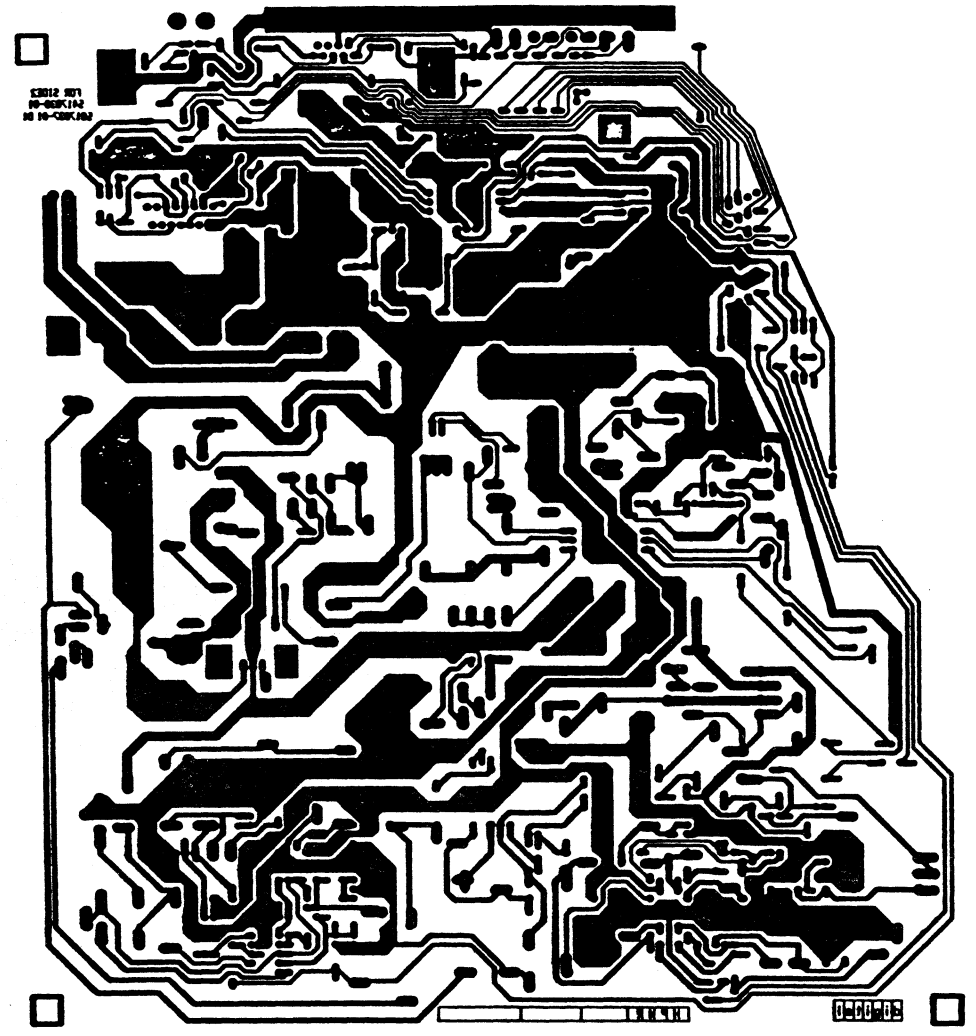
8 7 6 5 4 3 2 1

0-0-7E07105  
UM D  
6

0-0-7E07105  
UM D

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1986 DIGITAL EQUIPMENT CORPORATION



REV	DATE	ECO NUMBER	INITIAL
A			

REVISION HISTORY			
NO.	DATE	DESCRIPTION	BY

TITLE  
 DRILL AND ETCH,  
 PWR SUP/MONITOR BOARD

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
D	MD	5017037-0-0	A
SCALE		1/1	SHEET 3 OF 3

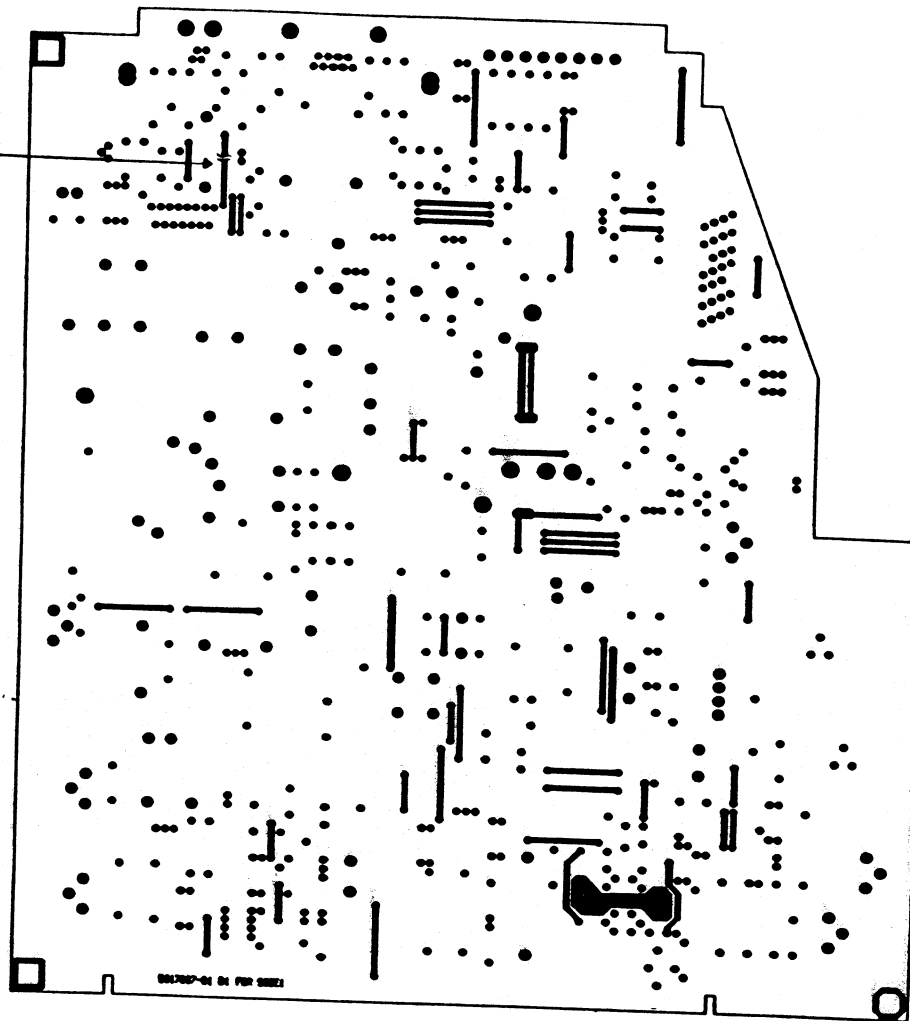
A  
 C  
 D  
 5017037-0-0  
 MD  
 A

7 6 5 4 4 3 2

REWORK INSTRUCTIONS:

0-01 CUT 50 MIL ETCH BETWEEN  
D507 PIN 2 AND E501 PIN 1.

0-01



VIEWED FROM SIDE 1

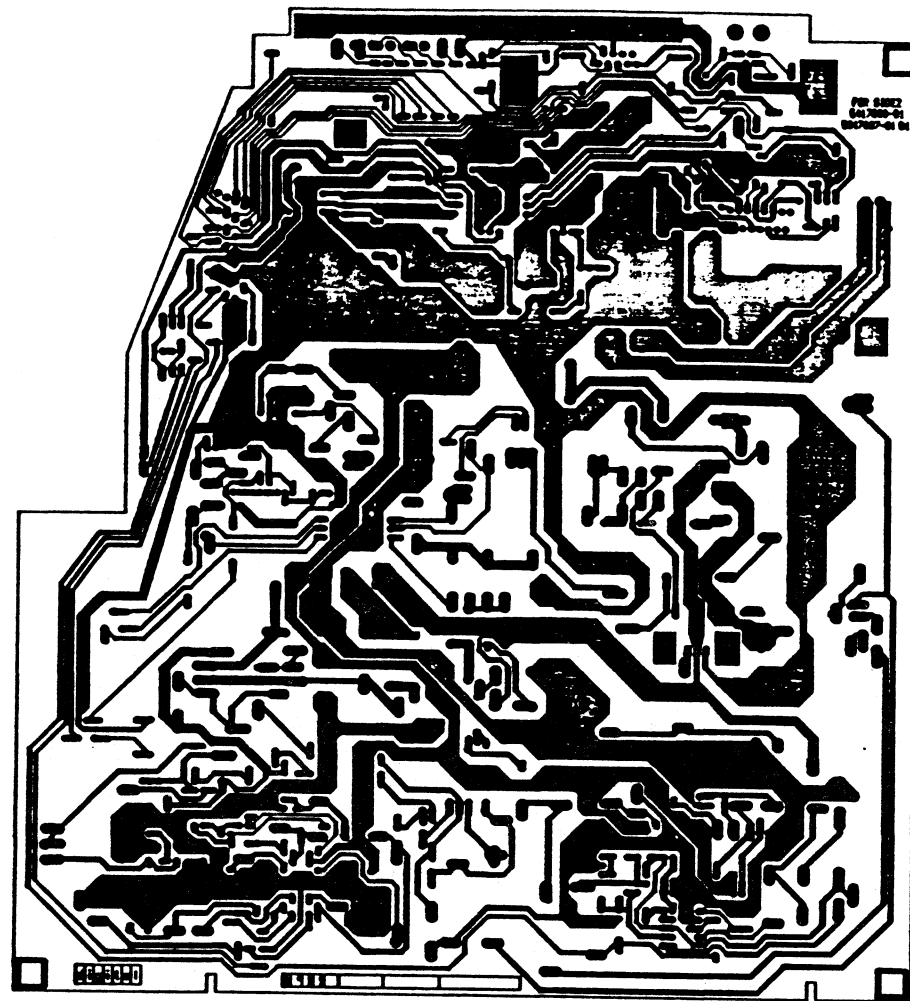
REVISION HISTORY		REV	A
DATE	ECD NUMBER	INITIAL	
JUL '86			

DRN	W. Y. CHIEN	DATE	5-MAY-86	TITLE	digital
DR'D	B. CHEN	DATE	5-MAY-86		
MECH. DRG.	O. LIN	DATE	5-MAY-86		
REP. DRG.	J. B. LOU	DATE	5-MAY-86		
WFS DRG.	<i>Henry Chiu</i>	DATE	20 Aug 86		
6-DD-5017037-0-0				DOCUMENT NUMBER	
SIZE	CODE	NUMBER	REV.		
D	EC	5017037-0-0	A		
SCALE	1/1	SHEET	1	OF	2

5017037-0-0  
DEC

4 0-0-2202105 33 01 0 5 4 3 2 1

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VIED FROM SIDE2

DATE	ECO NUMBER	REV
DATE	ECO NUMBER	REV
DATE	ECO NUMBER	REV

INITIAL	DATE	ECO NUMBER	REV
INITIAL	DATE	ECO NUMBER	REV
INITIAL	DATE	ECO NUMBER	REV

REVISION HISTORY

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
D	EC	5017037-0-0	A
SCALE 1/1		SHEET 2 OF 2	

TITLE  
ETCH CUT,  
PWR SUP/MONITOR BOARD

8 7 6 5 4 3 2 1

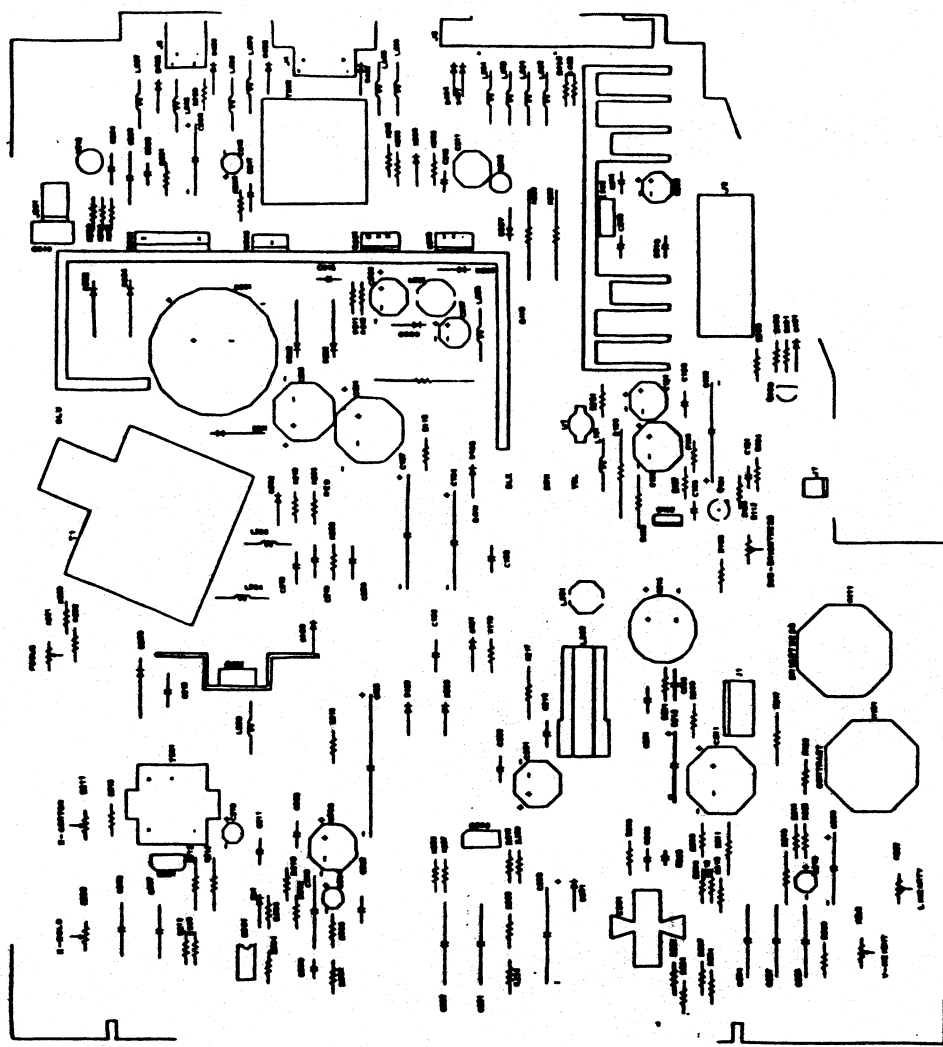
D  
C  
B  
A

D  
C  
B  
A

5017037-0-0  
DEC

FOR THE  
DIRECTOR OF THE  
ARMY  
CORPORATION

1 2 3 4 5 6 7



D

C

B

5017037-0-1

DISC

A

DRW	W. Y. CHIEN	DATE	5-MAY-66	TITLE	digital
CHK'D	B. CHEN	DATE	5-MAY-66	SILK SCREEN, PWR SUP/MONITOR BOARD	
TECH. DES.	O. LIN	DATE	5-MAY-66	DOCUMENT NUMBER	
RESP. DES.	J. B. LOU	DATE	5-MAY-66	DISC	NUMBER
APP'D	<i>[Signature]</i>	DATE	22 August 66	5017037-0-1	REV.
APP'D		DATE		SCALE	1/1 SHEET 1 OF 1
B-DD-5017037-0-0					

7 6 5 4 3 2 1

AUTOMATED BY VAXKPL (V1.2)

P A R T S L I S T

SHEET A1 OF A1

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QUANTITY PER VARIATION/REVISION		
					01 A1	02 A1	03 A1
1	E-AD-7023360-0-DBU	70-23350-01	A	CRT/CHASSIS ASSY	1	-	-
2	E-AD-7023360-0-DBU	70-23350-02	A	CRT/CHASSIS ASSY, GREEN	-	1	-
3	E-AD-7023360-0-DBU	70-23360-03	A	CRT/CHASSIS ASSY, AMBER	-	-	1
4	D-AD-7023361-0-DBU	70-23351-01	A	POWER SUPPLY/MONITOR ASSY	1	1	1
5	D-AD-7023363-0-DBU	70-23353-01	A	TCB ASSY	1	1	1
6		90-10750-01		SCREW, MACH PAN	6	6	6

MOORE BUSINESS FORMS, INC. HO 3137 SPEEDREAD WITH EYE 36 PATENT PENDING

REVISION HISTORY		REF MATRIX FORMAT		SECTION A OF A		DRN: F LIU/L CAMACHO	
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX		DATE: 07-APR-86		D I G I T A L
---	INITIAL	A	[A]	01,02,03	CHK'D:	J N LIN	TITLE PARTS LIST
			[B]		DATE:	12-JUN-86	BEZEL ASSY
			[C]		DES.ENG:	J K WEI	
			[D]		DATE:	07-APR-86	
			[E]		RESP.ENG.:	S W CHENG	SIZE CODE DOCUMENT NUMBER
			[F]		DATE:	12-JUN-86	NUMBER REV
			[G]		MFG.ENG.:	G WU	K PL 7023358-0-DBP A
			[H]		DATE:	11-JUL-86	RELEASE DATE: 25-JUL-86
			[J]				RELEASE STATUS: RELEASED
BASIC PART NUMBER:		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:	
7023358		E-AD-7023358-0-DBU		E-AD-7023358-0-DBU		GH818A.PLS	
						EDIT # 29	

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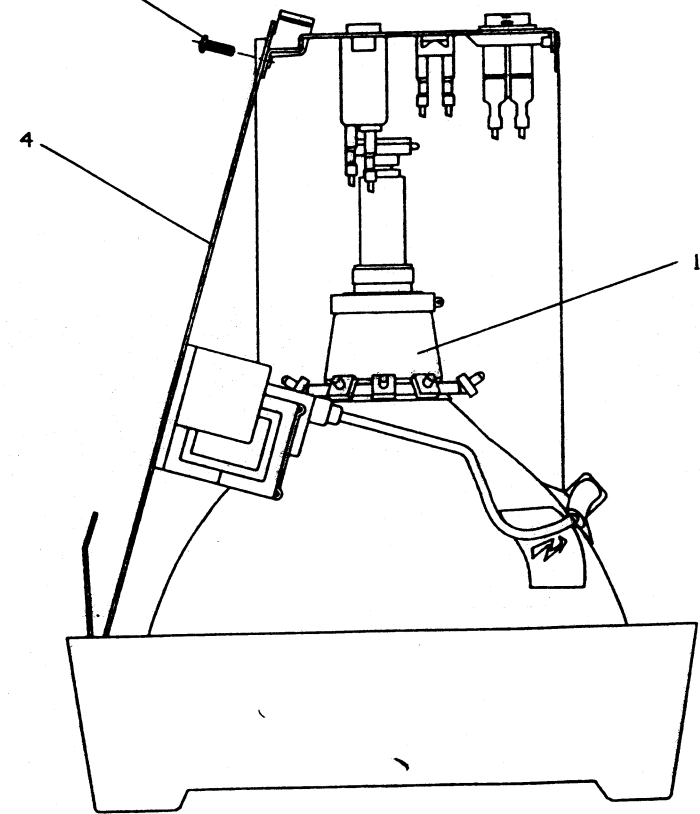
1968 OPTICAL SCIENCE CORPORATION

PART NO	REV.	DESCRIPTION
7023358-01	A1	WHITE PHOSPHOR (P4)
7023358-02	A1	GREEN PHOSPHOR (P31)
7023358-03	A1	AMBER PHOSPHOR (P134)

NOTES :  
1. TORQUE REQUIRED : 5-6 IN-LBS

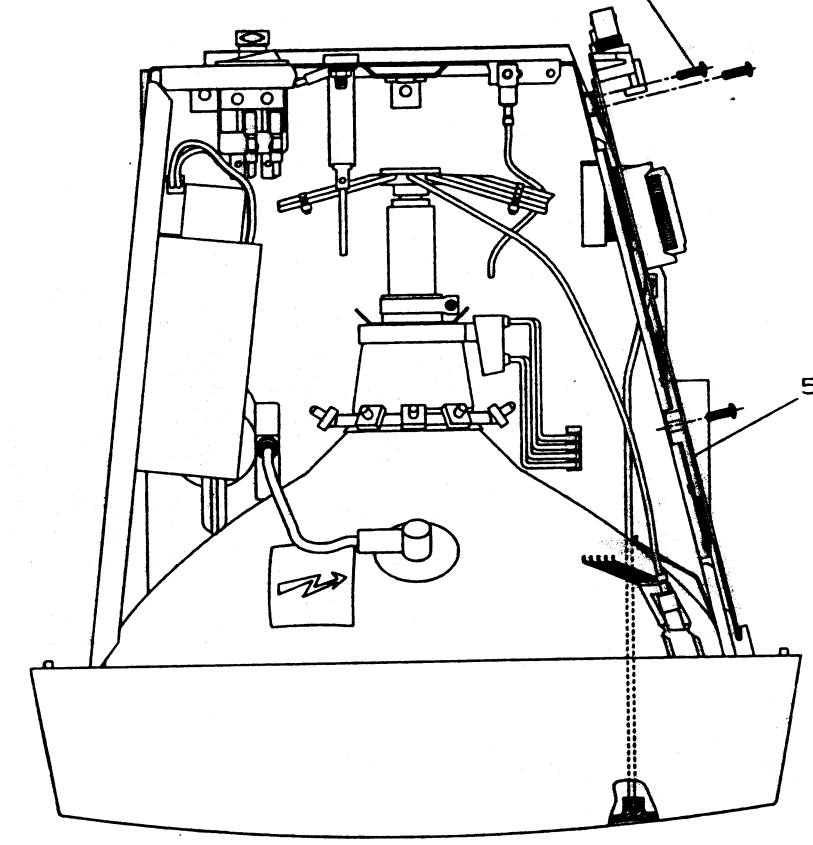
WIRING INTERCONNECT TABLE			
ITEM	FROM DESCRIPTION	ITEM	TO DESCRIPTION
5	TCB ASSY J4	4	PS/MONITOR MODULE P4
1 OR 2 OR 3	LED ASSY P2	4	PS/MONITOR MODULE J7
1 OR 2 OR 3	YOKE ASSY P201	4	PS/MONITOR MODULE J1
4	PS/MONITOR MODULE CRT SKT	1 OR 2 OR 3	CRT
4	GROUNDING WIRE ASSY P2	1 OR 2 OR 3	CHASSIS, MAIN FASTON
1 OR 2 OR 3	TRANSFORMER ASSY P501	4	PS/MONITOR MODULE J501
4	FLYBACK	1 OR 2 OR 3	CRT ANODE P5
4	CRT SKT GND P3	1 OR 2 OR 3	GND CLIP

6 (QTY 2)  
SEE NOTE 1



6 (QTY 4)

SEE NOTE 1



CAUTION : OFF SHEETS PARTS LIST EXISTS.  
SEE K-PL-7023358-0-DBP

REVISION HISTORY  
REV. NO. DATE  
A  
RELEASED

DESCRIPTION	QUANTITY	REV.	DATE	TITLE
BEZEL ASSY	1	A	07-APR-68	BEZEL ASSY
DESIGNED BY	J. N. LIN	DATE	07-APR-68	
CHECKED BY	IVAN LIN	DATE	12-APR-68	
DO NOT SCALE DRAWING	J. K. WEI	DATE	07-APR-68	
REMOVE DIMS AND BREAK DIMS	S. E. CHENG	DATE	12-APR-68	
REVISION HISTORY				
REV. NO.	DATE	BY	DESCRIPTION	
A				
E-AD-7023358-0-DBP				7023358-0-DBP

AUTOMATED BY VAXKPL (V1.2)

PARTS LIST

SHEET A1 OF A1  
QUANTITY PER VARIATION/REVISION

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY
1	1	C-AD-7023362-0-DBU	70-23352-01	A	TRANSFORMER ASSY	1
2	2	E-1A-7023364-0-DBU	70-23354-01	A	CHASSIS ASSY	1
3	3	D-MD-7431613-0-DBU	74-31613-01	A	CLIP, GROUNDING	1
4	4		90-06555-00	C	NUT, HEX EXT TOOTH LCK*SHR 10-32X	1
5	5		90-07930-00	A	TERM, RING #10STUD CRIMP 16-22A	1
6	6		90-10750-01		SCREW, MACH PAN	2
7	7		90-10750-03		SCREW, MACH PAN	4
8	8		12-16901-04		SW, SLIDE 2PDI VOLTAGE SELECT 6A25	1
9	9		12-17000-00		TERM, QUICK .250TAB 18-22AWG .1	3
10	10		12-17000-05	H	TERM, QUICK .110TAB 18-22AWG .1	2
11	11		12-17000-08	H	TERM, QUICK .187TAB 18-22AWG .1	1
12	12		12-17051-05		SA, RKR 2PST ON-NONE-OFF 16A25	1
13	13		12-21126-01		FUSE HOLDER 1P 3AG15X20 12A 250	1
14	14		12-23598-01		SCREW, PAN, WASHER 0-32	1
15	15		12-26618-01		FILTER, LINE, EMI	1
16	16	SEE NOTE # 16	13-17595-00		270.0 K 1.0 W 5.0 % CC	1
17	17	SEE GEN NOTE 1.	91-07254-00		TUBING, SHRINK .187ID EXP	2
18	18	SEE GEN NOTE 1.	91-07736-11		WIRE, 18AWG(19/30)IPVC 300V105	12
19	19	SEE GEN NOTE 1.	91-07786-66		WIRE, 18AWG(19/30)IPVC 300V105	10
20	20	SEE GEN NOTE 1.	91-07811-54		WIRE, 18AWG(19/30)IPVC 600V105	5

16 NOTE: PART MAY BE SUBSTITUTED BY 13-19470-55, 270K 1w 5% METAL OXIDE.

1 GEN: QTY FOR ITEMS 17, 18, 19 AND 20 ARE GIVEN IN INCHES.

REVISION HISTORY		KPL MATRIX FORMAT		SECTION A OF A		DRN: F LIU/L CAMACHO		DIGITAL	
ENG	ECD NUMBER	REV	SECTION/VARIATION INDEX	CHK'D:	DATE:	TITLE	DOCUMENT NUMBER	SIZE	CODE
	INITIAL	A	(A) 01	IVAN LIN	12-MAY-86	CHASSIS & COMPONENTS ASSY	7023359-0-DBP	K	PL
			(B)	J K WEI	09-APR-86				
			(C)	S W CHENG	12-JUN-86				
			(D)	G W U	11-JUL-86				
			(E)						
			(F)						
			(G)						
			(H)						
			(J)						
BASIC PART NUMBER:		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
7023359		E-AD-7023359-0-DBU		E-AD-7023359-0-DBU		GH819A,PLS		41	

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SPECIFIED BY WITH EYE © PATENT PENDING  
DIGITAL EQUIPMENT CORPORATION



1800

J

H

F

E

D

C

B

A

RELEASABLE

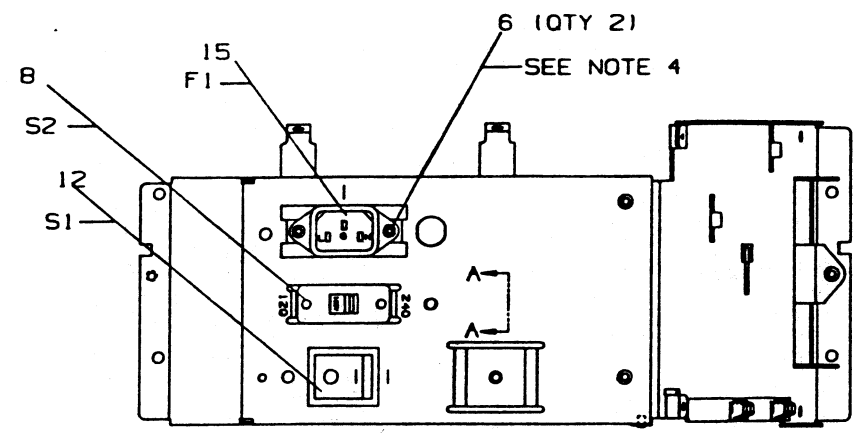
RELEASABLE

ITEM NO	AWG	COLOR	CONNECT WITH	TO	PRECUT LENGTH
1	18	BLK	T501	S2-1	+.50/-0.00
1	18	BLU	T501	S2-1A	-
1	18	RED	T501	S2-2	-
1	18	BRN	T501	S2-2A	-
18	18	BRN	S1-1	FH-SIDE	11
18	18	BRN	S1-2	F1-L	SOLDER
1	18	BLU	T501	S1-4	-
19	18	BLU	S1-5	F1-N	SOLDER
20	18	GRN/YEL	F1-G	SOLDER	G1
1	18	BRN	T501	FH-END	-
19	18	BLU	S2-1B	S2-2B	10

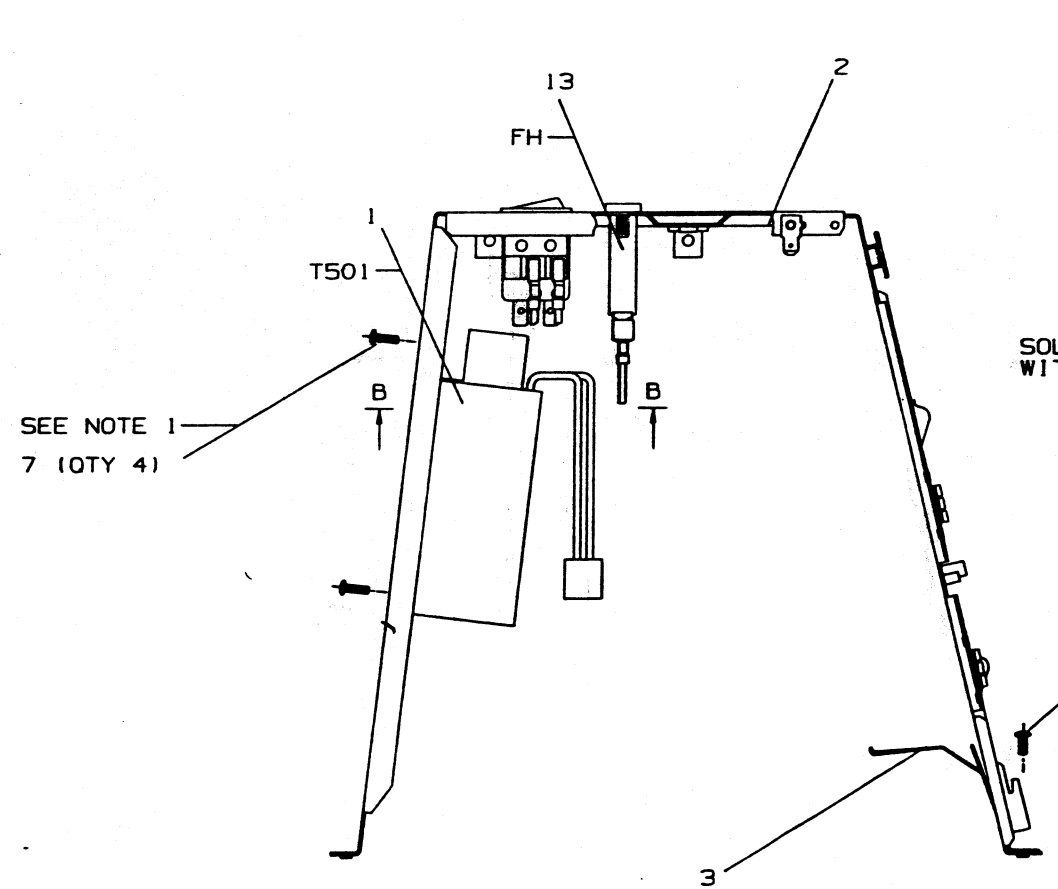
PART NO	REV.	DESCRIPTION
7023359-01	A1	AS SHOWN

NOTES:

1. TORQUE REQUIRED: 8-10 IN-LBS
2. LEAD OF ITEM 16 MUST BE SOLDERED TO BASE OF LUG
3. STRIP .375 AND SOLDER COVER WITH TUBING
4. TORQUE REQUIRED: 5-6 IN-LBS



SECTION "A-A"  
SCALE: 2/1



VIEW "B-B"  
SCALE: 2/1

CAUTION: OFF SHEET PARTS LIST EXISTS.  
SEE K-PL-7023359-DBP

DESCRIPTION	DRAWING NO.	PART NO	REV.
CHASSIS & COMPONENTS ASSY	7023359-01	7023359-01	A1
QUANTITY & TOLERANCE	DATE	BY	CHKD
1	12-05-58	F. LIU	
2	12-05-58	IVAN LIN	
3	12-05-58	J.K. WEI	
4	12-05-58	E. CHENG	
5	12-05-58		
6	12-05-58		
7	12-05-58		
8	12-05-58		
9	12-05-58		
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95	12-05-58		
96	12-05-58		
97	12-05-58		
98	12-05-58		
99	12-05-58		
100	12-05-58		

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QUANTITY PER VARIATION/REVISION		
					01 A1	02 A1	03 A1
1	C-IA-7020773-0-0	70-20773-01		LED ASSY	1	1	1
2	E-AD-7023359-0-DBU	70-23359-01 A		CHASSIS AND COMPONENTS ASSY	1	1	1
3	D-IA-7023729-0-DBU	70-23729-01 A		YOKE ASSY	1	1	1
4	B-MD-7428548-0-DBU	74-28548-01 A		LOGO	1	1	1
5	D-MD-7431613-0-DBU	74-31613-01 A		CLIP,GROUNDING	1	1	1
6	D-IA-7433283-0-DBU	74-33283-01 A		BRACKET,ENCLOSURE	1	1	1
7	E-MD-7433295-0-DBU	74-33295-01 A		BEZEL, CRT	1	1	1
8		12-23217-01 A		MAGNET,PINCUSHION 6.0 GAUSS	A/R	A/R	A/R
9		12-23217-02 A		MAGNET,PINCUSHION 8.5 GAUSS	A/R	A/R	A/R
10		12-23217-03 A		MAGNET,PINCUSHION 15.5 GAUSS	A/R	A/R	A/R
11		12-26553-01		CRT,12" WHITE	1	-	-
12		12-26553-02		CRT,12" GREEN	-	1	-
13		12-26553-03		CRT,12" AMBER	-	-	1
14		90-09800-04		SCREW,THD RL,PAN PHIL F/PLAS	6	6	6
15		90-09800-27 C		SCREW,THD RL PAN	4	4	4
16		12-26940-01 A		WASHER,LOCK	4	4	4
17		36-10267-00 A		LABEL,DANGER HIGH VOLTAGE,SMOOTH	1	1	1
18	SEE NOTE # 18	36-15670-01		TAPE,FIBGLAS ADH 1.0 WDX .007T	3	3	3

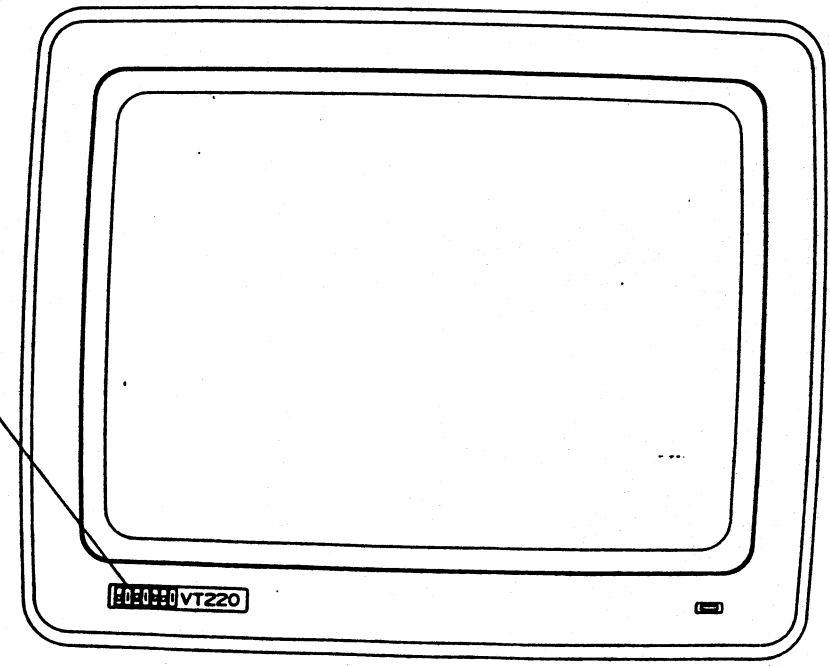
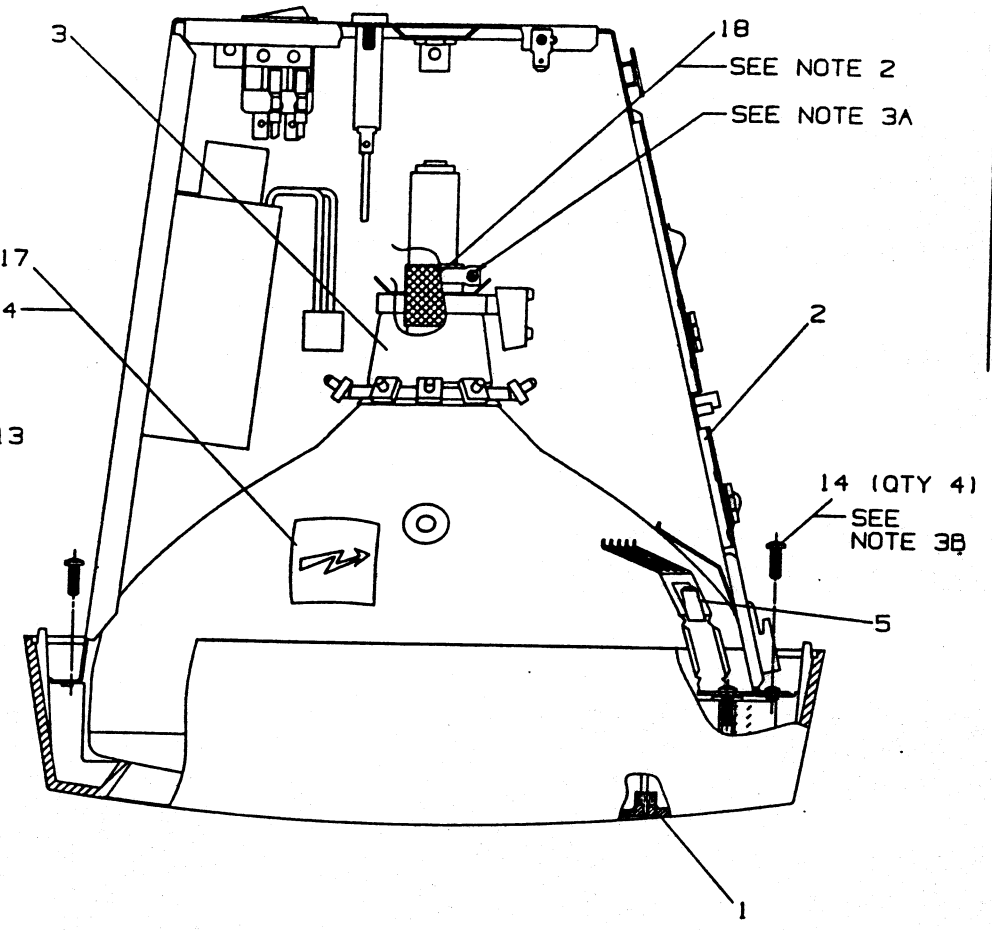
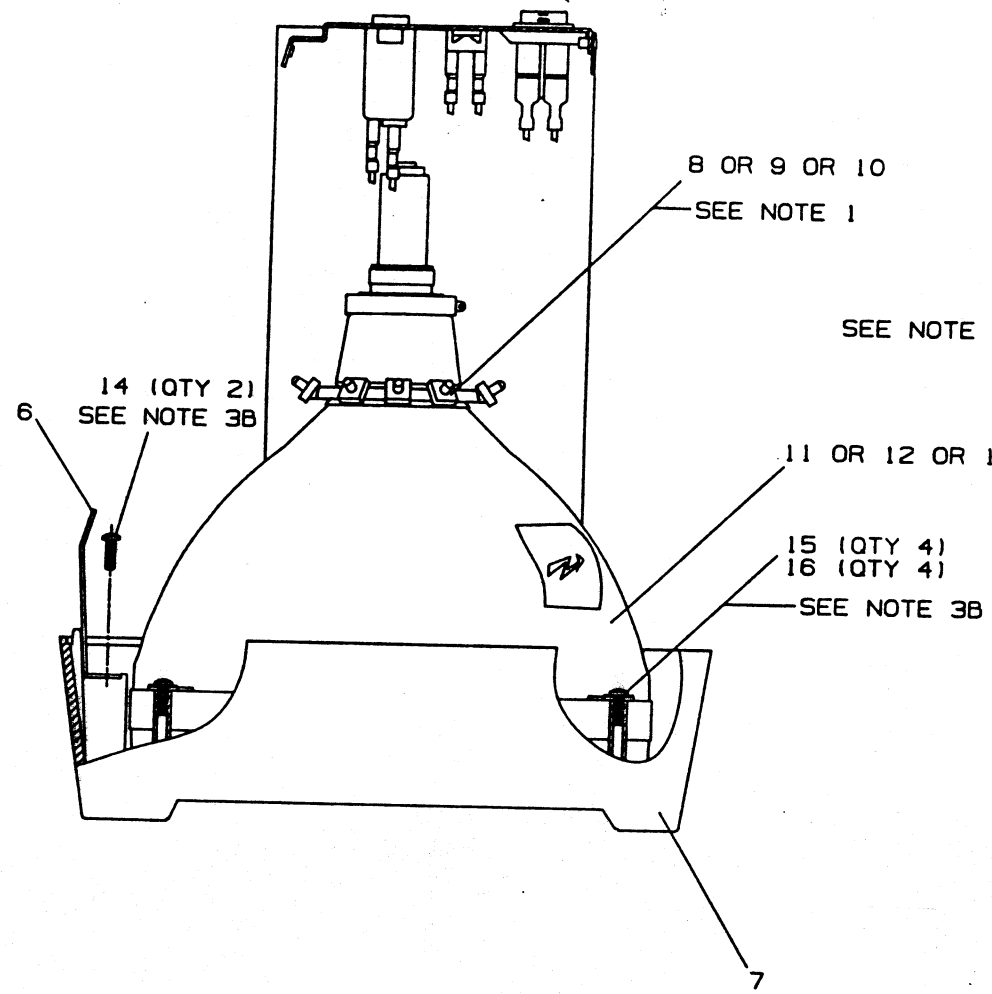
18 NOTE: QTY OF ITEM 18 IS GIVEN IN INCHES.

REVISION HISTORY			KPL MATRIX FORMAT		SECTION A OF A		DRN: JN LIN/LCAMACHO		DIGITAL		
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX		DATE: 07-APR-86		TITLE PARTS LIST			CRT/CHASSIS ASSY	
---	INITIAL	A	[A]	01,02,03	DATE: 12-JUN-86		DES.ENG: J K WEI			DOCUMENT NUMBER	
			[B]		DATE: 07-APR-86		RESP.ENG.: S W CHENG			SIZE	CODE
			[C]		DATE: 12-JUN-86		MFG.ENG: G WU			K	PL
			[D]		DATE: 11-JUL-86		RELEASE DATE: 15-AUG-86			7023360-0-DBP	A
			[E]				RELEASE STATUS: RELEASED				
			[F]								
			[G]								
			[H]								
			[I]								
			[J]								
			BASIC PART NUMBER:		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #
			7023360		E-AD-7023360-0-DBU		E-AD-7023360-0-DBU		GH820A.PLS		45

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PART NO	REV.	DESCRIPTION
7023360-01	A1	WHITE PHOSPHOR (P4)
7023360-02	A1	GREEN PHOSPHOR (P31)
7023360-03	A1	AMBER PHOSPHOR (P134)

- NOTES :
1. USE MAGNETS AS REQUIRED FOR PINCUSION CORRECTION. MAINTAIN SETTINGS OF MAGNETS WITH HOT WAX OR SEAL.
  2. CLEAN SURFACE PRIOR TO APPLYING ITEM 18
  3. TORQUE REQUIREMENT
    - 5-8 IN-LBS
    - 6-8 IN-LBS
  4. LOCATE ITEM 17 APPROX. AS SHOWN.



CAUTION : OFF SHEET PARTS LIST EXISTS. SEE K-PL-7023360-0-DBP

DESCRIPTION	QUANTITY	REV.	DATE	TITLE									
<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>ISSUED</td> <td>07-APR-68</td> </tr> <tr> <td>2</td> <td>REVISED</td> <td>07-APR-68</td> </tr> </table>					NO.	DESCRIPTION	DATE	1	ISSUED	07-APR-68	2	REVISED	07-APR-68
NO.	DESCRIPTION	DATE											
1	ISSUED	07-APR-68											
2	REVISED	07-APR-68											
<p>DESIGNED BY: J. N. LIN</p> <p>DRAWN BY: IVAN LIN</p> <p>CHECKED BY: J. K. WEI</p> <p>APPROVED BY: S. M. CHENG</p>	<p>DATE: 07-APR-68</p> <p>DATE: 07-APR-68</p> <p>DATE: 07-APR-68</p> <p>DATE: 07-APR-68</p>	<p>TITLE: CRT/CHASSIS ASSY</p>	<p>REVISIONS: 2</p>	<p>DATE: 07-APR-68</p>									
<p>7023360-0-DBP</p>													

REVISION HISTORY  
 DATE NUMBER  
 RELEASED

AUTOMATED BY VAXKPL (V1.2)

PARTS LIST

QUANTITY PER VARIATION/REVISION SHEET A1 OF A1

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY
1	B-DD-5417038-0	54-17038-01	A	POWER SUPPLY MONITOR MODULE, VT220	1
2	D-MD-7428555-0-0	74-28555-01	A	BEZEL, PCB	1
3		90-09800-02	E	SCREW, THD RL, PAN PHIL F/PLAS	2
4		90-09996-00	B	TIE, CABLE PRELOADED MAG.100 EA	2
5		90-10355-01		TIE, TWISI, W/STANDOFF	1

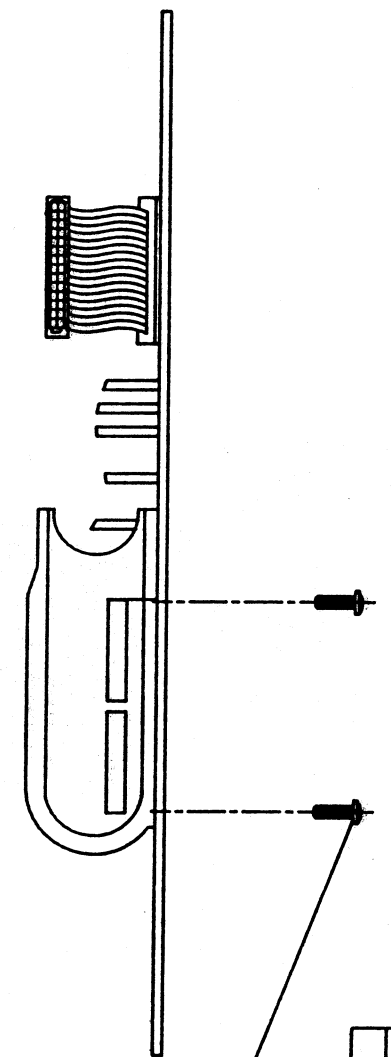
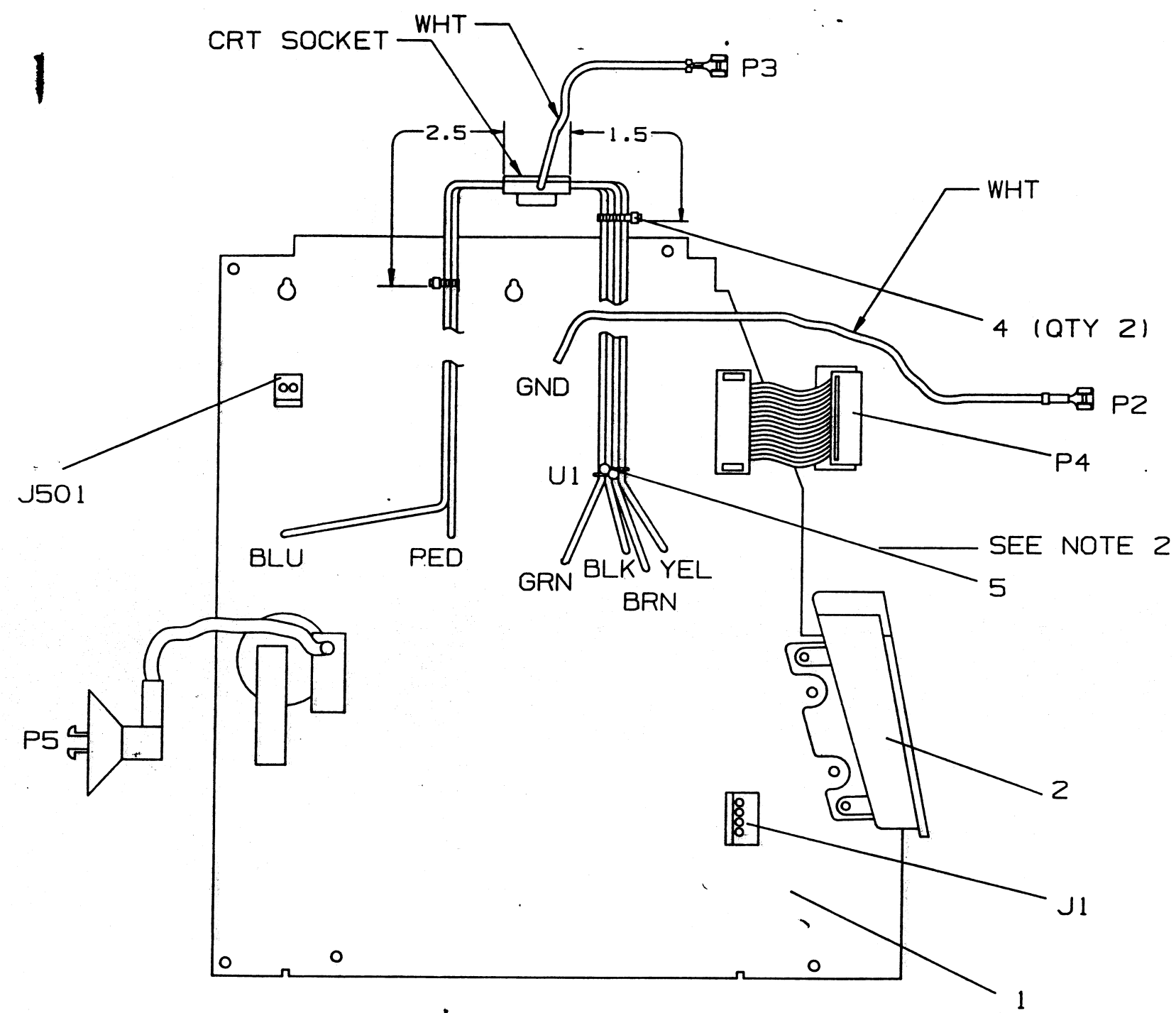
MOORE BUSINESS FORMS, INC. HO 2515" SPEEDHEAD WITH EYE 10 PATENT PENDING

REVISION HISTORY		KPL MATRIX FORMAT		SECTION A OF A	DRN: F LIU/L CAMACHO	DIGITAL	
ENG	ECD NUMBER	REV	SECTION/VARIATION INDEX	DATE: 08-APR-86	CHK'D: IVAN LIN	TITLE PARTS LIST	
INITIAL		A	[A] 01	DATE: 12-JUN-86	DES. ENG: J K WEI	POWER SUPPLY/MONITOR ASSY	
			[B]	DATE: 08-APR-86	DATE: 08-APR-86	SIZE CODE	DOCUMENT NUMBER
			[C]	RESP. ENG.: O LIN	DATE: 12-JUN-86	NUMBER	REV
			[D]	DATE: 12-JUN-86	MFG. ENG: G WU	K PL	7023361-0-DBP
			[E]	DATE: 11-JUL-86	DATE: 11-JUL-86	RELEASE DATE: 25-JUL-86	RELEASE STATUS: RELEASED
			[F]	BASIC PART NUMBER: 7023361	ASSEMBLY NUMBER: D-AD-7023361-0-DBU	TOP DOCUMENT NUMBER: D-AD-7023361-0-DBU	FILE NAME: GH821A.PLS
			[G]				EDIT # 32
			[H]	"THIS DRAWING AND THE SPECIFICATIONS CONTAINED HEREIN ARE CONFIDENTIAL AND PROPRIETARY. THEY 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. THIS IS AN UNPUBLISHED WORK PROTECTED UNDER THE FEDERAL COPYRIGHT LAWS."			
			[J]				

REPRODUCTION PROHIBITED WITHOUT THE WRITTEN PERMISSION OF THE AIR FORCE

LEGEND		
PART NO	REV.	DESCRIPTION
7023361-01	A1	AS SHOWN

NOTES :  
 1. TORQUE REQUIRED : 5-6 IN-LBS  
 2. ITEM 5 INSERT IN HOLE U1.



SEE NOTE 1  
 3 (QTY 2)

CAUTION : OFF SHEET PARTS LIST EXISTS.  
 SEE K-PL-7023361-0-DBP

REV	REV	REV
DATE	EDD NUMBER	RELEASED
		A

DESCRIPTION	DRAWING NO.	PART NO	ITE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)			
INCHES TOLERANCE	APPLICABLE DIMENSION RANGE	DIMENSIONS RANGE IN INCHES	
		OVER 0 TO 0.2	OVER 0.2 TO 0.3
.X <sup>0</sup> ± .1	SURFACE QUALITY (CHECK ONE)	± .02	± .03
.X <sup>01</sup> ± .02		± .04	± .05
.X <sup>00</sup> ± .005	MICROINCHES	± .004	± .005
		± .006	± .008
THIRD ANGLE PROJECTION	DW' F. LIU	DATE 08-APR-88	TITLE digit
DO NOT SCALE DRAWING	CHK'D IVAN LIN	DATE 12-JUN-88	POWER SUPPLY MONITOR ASSY
REMOVE BURRS AND BREAK SHARP CORNERS	DES. ENG. J.K. WEI	DATE 08-APR-88	
MATERIAL	RESP. ENG. O. LIN	DATE 12-JUN-88	DOCUMENT NUMBER
FINISH	MFG ENG	DATE	SIZE CODE
	TP DEC. NO. D-AD-7023361-0-DBP		MANAGER

AUTOMATED BY VAXKPL (V1.2)

P A R T S L I S T

SHEET A1 OF A1  
QUANTITY PER VARIATION/REVISION

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY
1	1		12-17000-00	H	TERM, QUICK .250TAB 18-22AWG .1	1
2	2		12-17000-08	H	TERM, QUICK .187TAB 18-22AWG .1	1
3	3		12-17000-05	H	TERM, QUICK .110TAB 18-22AWG .1	4
4	4		12-24749-01	A	CONN, P+S 01POS 18-24AWG CANTILEV	2
5	5		12-13419-02	A	CONN, P+S 02POS(1X02).156CC HSG L	1
6	6		16-26738-01	A	XFRM, POWER 110/220V 50/60HZ 60* LD	1
7	7	SEE GEN NOTE 1.	91-07254-00		TUBING, SHRINK .187ID EXP	2
8	8	SEE GEN NOTE 1.	91-07786-11	A	WIRE, 18AWG( 19/30)IPVC 300V105	3
9	9	SEE GEN NOTE 1.	91-07786-66	A	WIRE, 18AWG( 19/30)IPVC 300V105	4

1 GEN: QTY FOR ITEMS 7, 8, AND 9 ARE GIVEN IN INCHES.

REVISION HISTORY		KPL MATRIX FORMAT	SECTION A OF A	DRN: F LIU/L CAMACHO	D I G I T A L		
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX	DATE: 09-APR-86	TITLE	PARTS LIST	
	INITIAL	A	[A] 01	CHK'D: H M CHEN	TRANSFORMER ASSY		
			[B]	DATE: 12-JUN-86			
			[C]	DES. ENG: J D SHEN			
			[D]	DATE: 09-APR-86	DOCUMENT NUMBER		
			[E]	RESP. ENG.: J B LO	SIZE: CODE:	NUMBER	REV
			[F]	DATE: 12-JUN-86	K	PL	7023362-0-DBP
			[H]	MFG. ENG: G WU	RELEASE DATE: 25-JUL-86		
			[J]	DATE: 11-JUL-86	RELEASE STATUS: RELEASED		
BASIC PART NUMBER:		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:	
7023362		C-AD-7023362-0-DBU		C-AD-7023362-0-DBU		GH022A.PLS	
<p>"THIS DRAWING AND THE SPECIFICATIONS CONTAINED HEREIN ARE CONFIDENTIAL AND PROPRIETARY. THEY 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. THIS IS AN UNPUBLISHED WORK PROTECTED UNDER THE FEDERAL COPYRIGHT LAWS."</p>							EDIT #
							29

MOORE BUSINESS FORMS, INC. HO SPEEDHEAD WITH CYL ACE PATENT PENDING

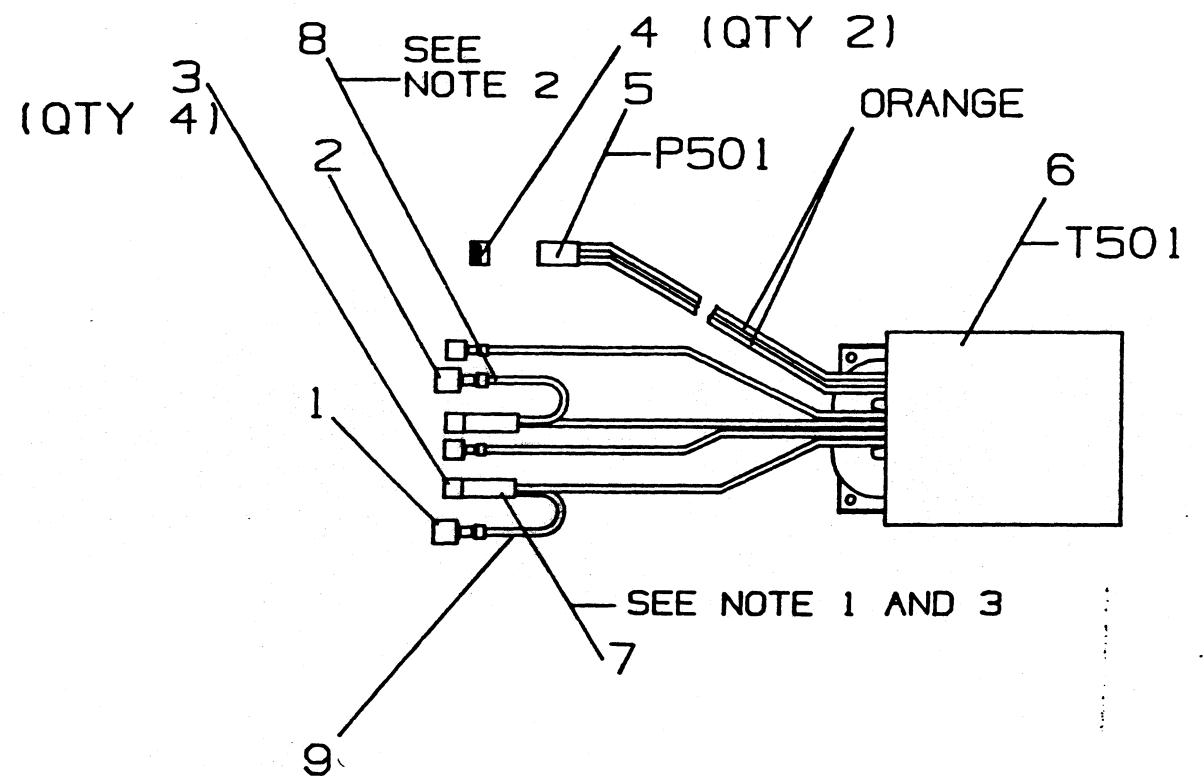
CAD 7023362-0-DBU  
 1986  
 V

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 1986 DIGITAL EQUIPMENT CORPORATION

LEGEND		
PART NO	REV.	DESCRIPTION
7023362-01	A1	AS SHOWN

- NOTES:
1. PRECUT LENGTH FOR ITEM 7 TO 1 INCH EACH.
  2. SOLDER ITEM 8 TO BRN WIRE OF ITEM 6 AND INSULATE WITH ITEM 7.
  3. SOLDER ITEM 9 TO BLU WIRE OF ITEM 6 AND INSULATE WITH ITEM 7.

WIRING TABLE							
ITEM NO	DESCRIPTION		FROM		TO		PRECUT LENGTH +.50/- .00
	AWG	COLOR	CONNECT	WITH	CONNECT	WITH	
6	18	BLACK	T501	3	-	-	-
6	18	BROWN	T501	3	2	8	2.80
6	18	RED	T501	3	-	-	-
6	18	BLUE	T501	3	1	9	3.30
6	18	ORN	T501	-	P501-1	4	-
6	18	ORN	T501	-	P501-2	4	-



CAUTION : OFF SHEET PARTS LIST EXISTS.  
 SEE K-PL-7023362-0-DBP

DATE	REVISION HISTORY	ECO NUMBER	REV
11-84	RELEASED		A

DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)							
INCH TOLERANCES	ANGLES 30-90°	APPLICABLE DIMENSION RANGE	DIMENSIONS RANGE IN INCHES				
			Ø	Ø	Ø	Ø	Ø
±.01 ±.02 ±.05			Ø	Ø	Ø	Ø	
±.004 ±.008 ±.012 ±.016 ±.024 ±.04							
QUANTITY & VARIATION	DESIGNED BY F. LIU	DATE 12-MAY-88	TITLE	TRANSFORMER ASSY			
THIRD ANGLE PROJECTION	DRAWN BY H.M. CHEN	DATE 12-JUN-88	DOCUMENT NUMBER				
DO NOT SCALE DRAWING	CHECKED BY J.D. SHEN	DATE 12-MAY-88	C-AD-7023362-0-DBU				
REMOVE CURPS AND BREAKS W/PCORNERS	APP'D BY J.B. LO	DATE 12-JUN-88	REV. A				
MATERIAL			SHEET 1 OF 1				
FINISH							

C  
 B  
 A

D  
 C  
 A

4

3

12

1

AUTOMATED BY VAXKPL (V1.2)

PARTS LIST

QUANTITY PER VARIATION/REVISION SHEET A1 OF A1

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY
1	1	B-DD-5417036-0	51-17036-01	A	TERMINAL CONTROLLER MODULE,VI220	1
2	2	C-MD-7429063-0-0	74-29063-01	A	BEZEL,TCB	1
3	3		90-10482-02		SCREW,THD RL,PAN PHIL F/PLAS	2

MOORE BUSINESS FORMS, INC. NO. 2-74 SPEED-READ WITH EYE PATENT PENDING

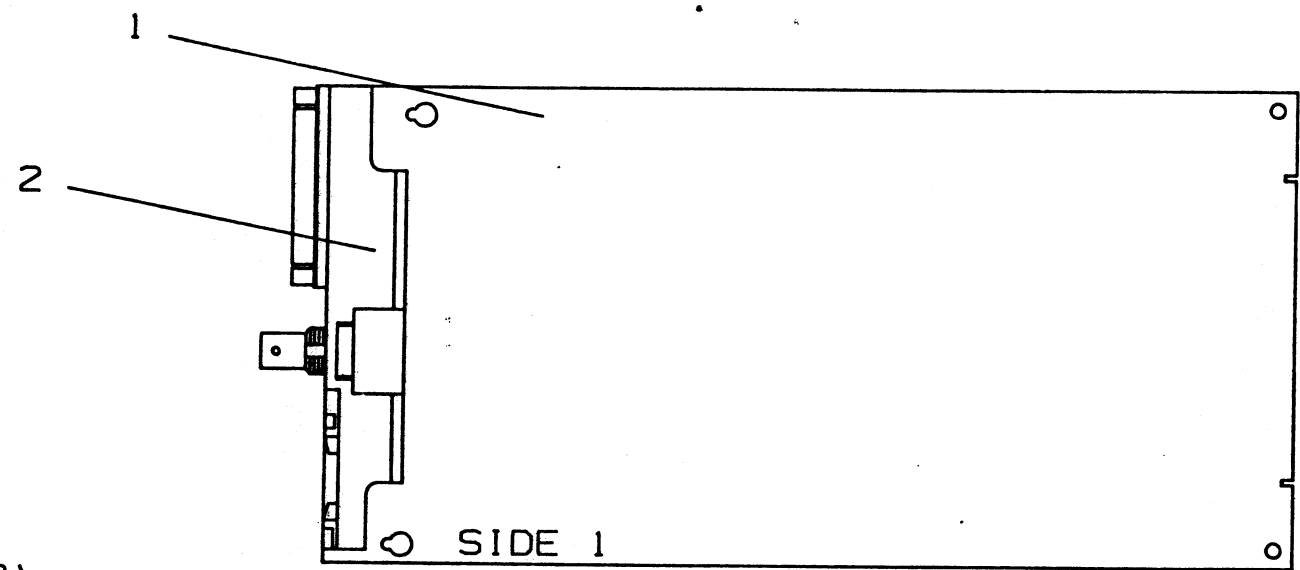
REVISION HISTORY		KPL MATRIX FORMAT		SECTION A OF A		DRN: F LIU/L CAMACHO		D I G I T A L	
ENG	ECD NUMBER	REV	SECTION/VARIATION INDEX	CHK'D:	IVAN LIN	TITLE	PARTS LIST		
	INITIAL	A	[A] 01	DATE:	12-JUN-86	TCB ASSY			
			[B]	DES.ENG:	J K WEI	DOCUMENT NUMBER		REV	
			[C]	DATE:	08-APR-86	SIZE	CODE	NUMBER	
			[D]	RESP.ENG.:	O LIN	K	PL	7023363-0-DBP	A
			[E]	DATE:	12-JUN-86	RELEASE DATE:		25-JUL-86	
			[F]	MFG.ENG:	G WU	RELEASE STATUS:		RELEASED	
			[H]	DATE:	11-JUL-86	BASIC PART NUMBER:		7023363	
			[J]	ASSEMBLY NUMBER:		D-AD-7023363-0-DBU	TOP DOCUMENT NUMBER:		D-AD-7023363-0-DBU
				FILE NAME:		GH823A.PLS	EDIT #		24

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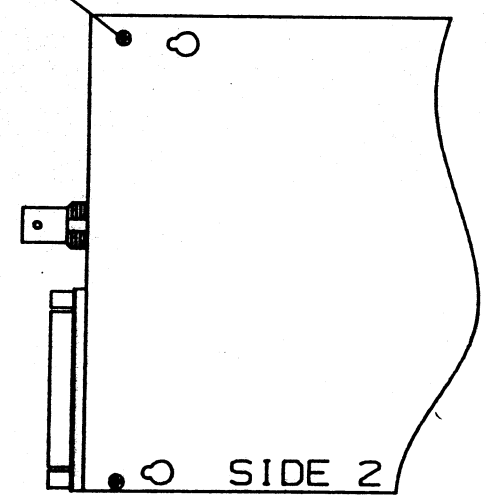


LEGEND		
PART NO	REV.	DESCRIPTION
7023363-01	A1	AS SHOWN

NOTES :  
1. TORQUE REQUIRED : 5-6 IN-LBS



3 (QTY 2)  
SEE NOTE 1



CAUTION : OFF SHEET PARTS LIST EXISTS.  
SEE K-PL-7023363-0-DBP

DATE	REV
RELEASED	A

DESCRIPTION	DRAWING NO.	PART NO	ITEM NO					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)								
INCHES TOLERANCE	ANGLES 90-DEG	APPLICABLE DIMENSION RANGE	DIMENSIONS RANGE IN INCHES					
			OVER 0 TO 0.2	OVER 0 TO 0.2	OVER 0 TO 0.2	OVER 0 TO 0.2	OVER 0 TO 0.2	OVER 0 TO 0.2
.X ± .1	SURFACE QUALITY	CHECK ONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
.XX ± .02			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
.XXX ± .005			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
QUANTITY & VARIATION	MICROINCHES		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
THIRD ANGLE PROJECTION	DRN	F. LIU	DATE	14-APR-88	TITLE	digital		
DO NOT SCALE DRAWING	CHK'D	IVAN LIN	DATE	12-JUN-88	TCB ASSY	DOCUMENT NUMBER		
REMOVE BURRS AND BREAK SHARP CORNERS	DES. ENG.	J.K. WEI	DATE	14-APR-88				
MATERIAL	REP. ENG.	O. LIN	DATE	12-JUN-88				
FINISH	MFG ENG		DATE		ITEM CODE	NAME	REV.	
	TP DES. NO.				D AD	7023363-0-DBU	A	

AUTOMATED BY VAXKPL (V1.2)

PARTS LIST

QUANTITY PER VARIATION/REVISION SHEET A1 OF A1

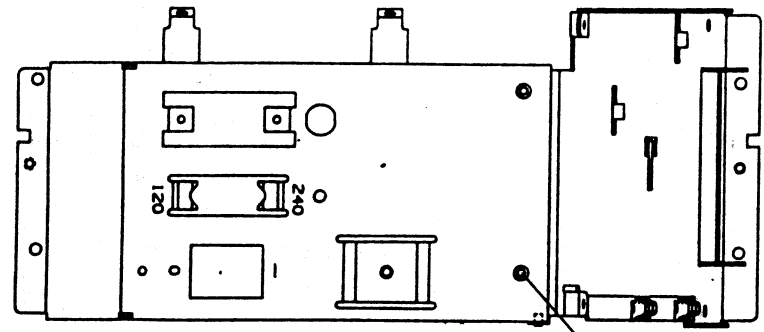
LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN. REV	DESCRIPTION	C1
1	C-MD-7433231-0-0	74-33231-00	A	CLIP, GROUND W/O CUTOUT	3
2	E-IA-7433234-0-DBU	74-33234-01	A	CHASSIS, MAIN	1
3	E-MD-7433285-0-DBU	74-33285-01	A	CHASSIS, SECONDARY	1
4		90-00030-09		RIVET, BLIND DOME 0.125DX0.275LG	2
5		90-07837-00		EYELET, ROLLED 0.1210DX0.125LG	10
6		90-09126-00		STANDOFF, SELF-CLINCHING 4-40 X	2
7		12-20840-01		STRIP, SHIELDING EMI/RFI 1.250LG	2

MOORE BUSINESS FORMS, INC. HO 25/8" SPEEDREAD WITH EYE TRACE PATENT PENDING

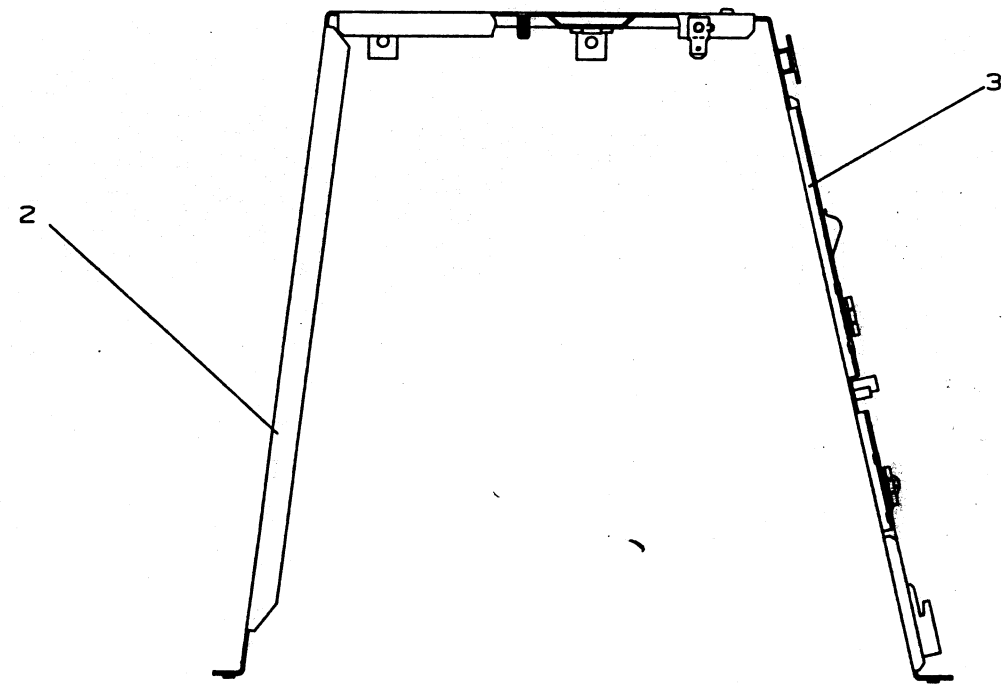
REVISION HISTORY		KPL MATRIX FORMAT SECTION A OF A		DPN: JN LIN/LCANACHO	D I G I T A L	
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX	DATE: 02-APR-86	CHK'D: IVAN LIN	TITLE: PARTS LIST
---	INITIAL	A	01	DATE: 12-JUN-86	DES. ENG: J K WEI	CHASSIS ASSY
				DATE: 02-APR-86	RESP. ENG: O LIN	DOCUMENT NUMBER
				DATE: 12-JUN-86	WFS. ENG: G WU	NUMBER
				DATE: 11-JUL-86		REV
						K   PL   7023364-0-DBP   A
						RELEASE DATE: 25-JUL-86
						RELEASE STATUS: RELEASED
				BASIC PART NUMBER: 7023364	ASSEMBLY NUMBER: E-IA-7023364-0-DBU	TOP DOCUMENT NUMBER: E-IA-7023364-0-DBU
						FILE NAME: GH824A.PLS
						EDIT # 28

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PART NO	REV.	DESCRIPTION
7023364-01	A1	AS SHOWN



4 (QTY 2)



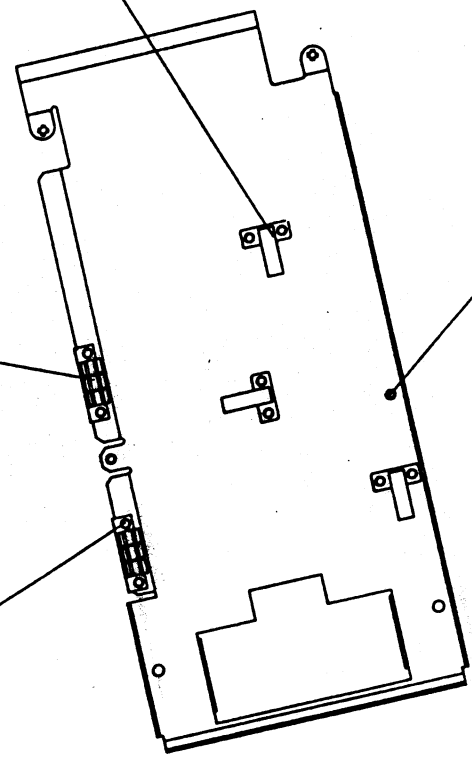
2

3

1 (QTY 3)

7 (QTY 2)

5 (QTY 10)



6 (QTY 2)

CAUTION : OFF SHEET PARTS LIST EXISTS.  
SEE K-PL-7023364-0-D8P

DESCRIPTION	DRAWING NO.	PART NO	REV.
CHASSIS ASSY		7023364-01	A1
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (UNLESS OTHERWISE SPECIFIED)</p>			
<p>FINISH: UNLESS OTHERWISE SPECIFIED</p>			
<p>QUANTITY &amp; VARIATION</p>			
<p>DO NOT SCALE DRAWING</p>			
<p>REMOVE BURRS AND BREAK SHARP CORNERS</p>			
DESIGNED BY	J. N. LIN	DATE	07-11-50
DRAWN BY	IVAN LIN	DATE	12-11-50
CHECKED BY	J. K. WEI	DATE	07-11-50
APPROVED BY	G. LIN	DATE	07-11-50
TITLE		CHASSIS ASSY	
SCALE		AS SHOWN	

K-PL-7023364-0-DBU

AUTOMATED BY VAXKPL (V1.2)

PARTS LIST

QUANTITY PER VARIATION/REVISION SHEET A1 CF A1

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY
1	1		91-07870-00	A	TERM, QUICK CRIMP 18-22A	1
2	2		12-24260-01	A	TERM, PCB 1PCS CRIMP 18-24AWG	1
3	3	SEE NOTE # 3	91-07810-99		WIRE, 20AWG( 7/25)IPVC 300V105	9

3. NOTE: QTY FOR ITEM 3 IS GIVEN IN INCHES.

MOORE BUSINESS FORMS, INC. HO 2514 SPEEDREAD WITH EYE TRACE PATENT PENDING

REVISION HISTORY		RPL MATRIX FORMAT SECTION A OF A		D E N E : F L I O U L C A M A C H O	
ENG	ECC NUMBER	REV	SECTION/VARIATION INDEX	DATE: 07-MAY-86	D I G I T A L
---	INITIAL	A	01	CHG'D: H M CHEN	TITLE PARTS LIST
				DATE: 12-JUN-86	GROUNDING WIRE ASSY
				DES. ENG: H M CHEN	DOCUMENT NUMBER
				DATE: 14-MAY-86	NUMBER
				RESP. ENG: J B LO	REV
				DATE: 12-JUN-86	R PL 7023721-0-DBB A
				YFS. ENG: G WU	RELEASE DATE: 25-JUL-86
				DATE: 11-JUL-86	RELEASE STATUS: RELEASED
BASIC PART NUMBER: 7023721		ASSEMBLY NUMBER: B-IA-7023721-0-DBU		TOP DOCUMENT NUMBER: B-IA-7023721-0-DBU	
				FILE NAME: MLA0045A.PLS	
				EDIT # 26	

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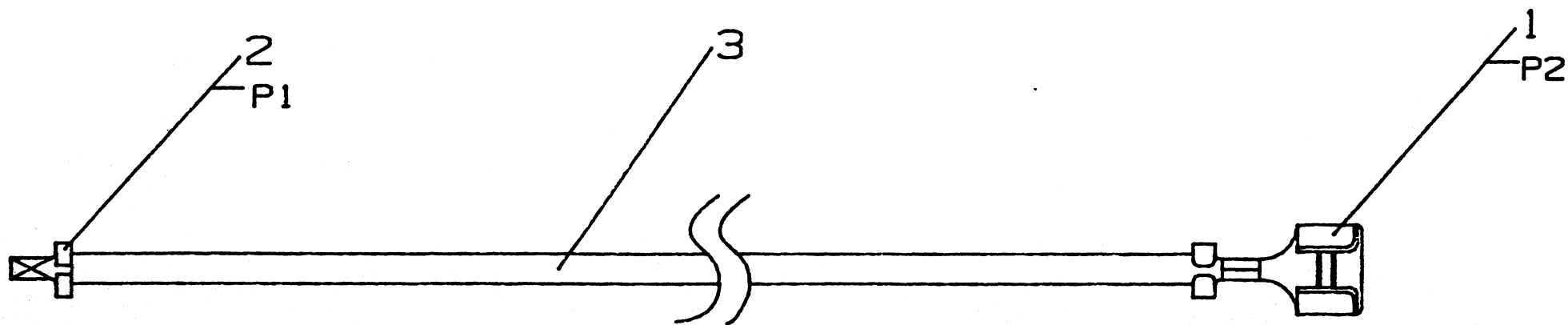
1986 DIGITAL EQUIPMENT CORPORATION

LEGEND

PART NO	REV.	DESCRIPTION
7023721-01	A1	AS SHOWN

WIRE TABLE

ITEM NO	DESCRIPTION		FROM		TO		PRECUT LENGTH +.50/- .00
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH	
3	20	WHT	P1	2	P2	1	8.00



CAUTION : OFF SHEET PARTS LIST EXISTS.  
SEE K-PL-7023721-0-DBP

REVISION HISTORY	REV
DATE	ECO REVISION
11-JUL	RELEASED A

DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)								
INCHES TOLERANCES . .05 .1 .15 .2	ANGLES 0-30° SURFACE QUALITY MICROINCHES	APPLICABLE DIMENSION RANGE CHECK ONLY	DIMENSIONS RANGE IN 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 60.0
			±.02	±.03	±.05	±.10	±.15	
QUANTITY & VARIATION			±.004	±.008	±.012	±.016	±.024	
THIRD ANGLE PROJECTION	DRN. F. LIU	DATE 14-MAY-88	TITLE digital					
DO NOT SCALE DRAWING	CHK'D H.M. CHEN	DATE 12-JUN-88	GROUNDING WIRE ASSY					
REMOVE BURRS AND BREAK SHARP CORNERS	DES. ENG. K. WU	DATE 14-MAY-88	DOCUMENT NUMBER					
MATERIAL	RESP. ENG. J.B. LO	DATE 12-JUN-88	SIZE CODE NUMBER REV					
FINISH	MFG. ENG.	DATE	B	IA	7023721-0-DBU	A		
	TOP DOC. NO. B-IA-7023721-0-DBU		SHEET 1 OF 1					

AUTOMATED BY VAXKPL (V1.2)

PARTS LIST

SHEET A1 OF A1

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY
1	1	C-40-7425911-0-0	74-25911-00		COVER, TERMINAL (49-TA306-00)	1
2	2		90-09996-00	B	TIE, CABLE PRELOADED MAG.100 EA	2
3	3		12-24749-01	A	CONN, P+S 01POS 18-24AWG CANTILEV	4
4	4		12-25353-02	A	CONN, P+S 04POS(1X04).156CC HSG	1
5	5		12-20096-03	B	YOKE, DEFLECTION	1
6	6	SEE GEN NOTE 1.	91-07804-11		WIRE, 22AWG( 07/30)PVC 600V105	8
7	7	SEE GEN NOTE 1.	91-07804-22		WIRE, 22AWG( 07/30)PVC 600V105	8
8	8	SEE GEN NOTE 1.	91-07804-44		WIRE, 22AWG( 07/30)PVC 600V105	8
9	9	SEE GEN NOTE 1.	91-07804-99		WIRE, 22AWG( 07/30)PVC 600V105	8

1 GEN: DIM FOR ITEMS 6,7,8, AND 9 ARE GIVEN IN INCHES.

REVISION HISTORY			RPL MATRIX FORMAT		SECTION A OF A		DRN: YW LEE/LCAMACHO	
ENGR	ECO NUMBER	REV	SECTION/VARIATION INDEX		DATE:	DIGITAL		
INITIAL		A	[A]	01	DATE: 05-MAY-86	TITLE PARTS LIST		
			[B]		CHK'D: H M CHEN	YOKE ASSY		
			[C]		DATE: 12-JUN-86	DOCUMENT NUMBER		
			[D]		DES. ENG: K WU	SIZE	CODE	NUMBER
			[E]		DATE: 05-MAY-86	K	PL	7023729-0-DBP
			[F]		RESP. ENG.: J B LO	REV		
			[G]		DATE: 12-JUN-86	A		
			[H]		MFG. ENG: G WU	RELEASE DATE: 25-JUL-86		
			[J]		DATE: 11-JUL-86	RELEASE STATUS: RELEASED		
BASIC PART NUMBER:			ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:	
7023729			D-IA-7023729-0-DBU		D-IA-7023729-0-DBU		MLA0078A.PLS	
							EDIT #	
							22	

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MOORE BUSINESS FORMS INC. HO 2037 SPEEDREAD BY VAX KPL PATENT PENDING

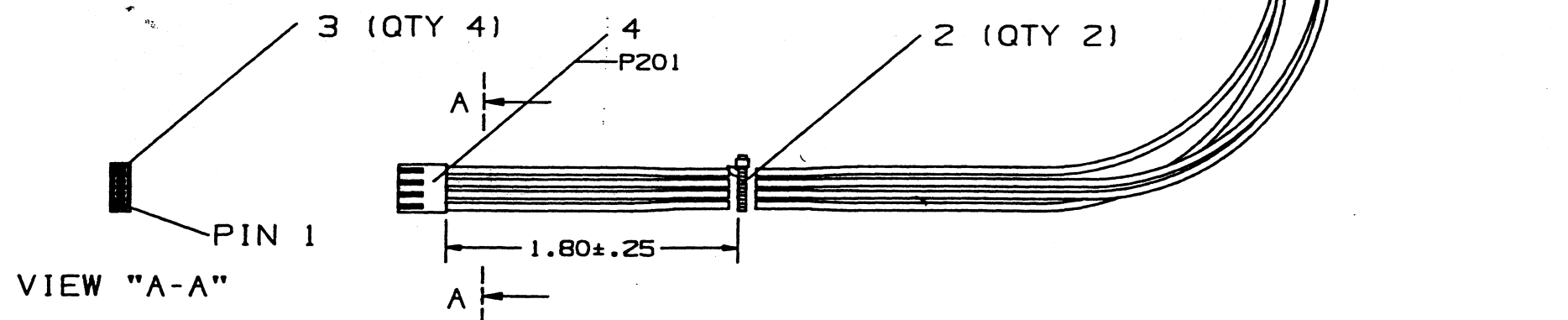
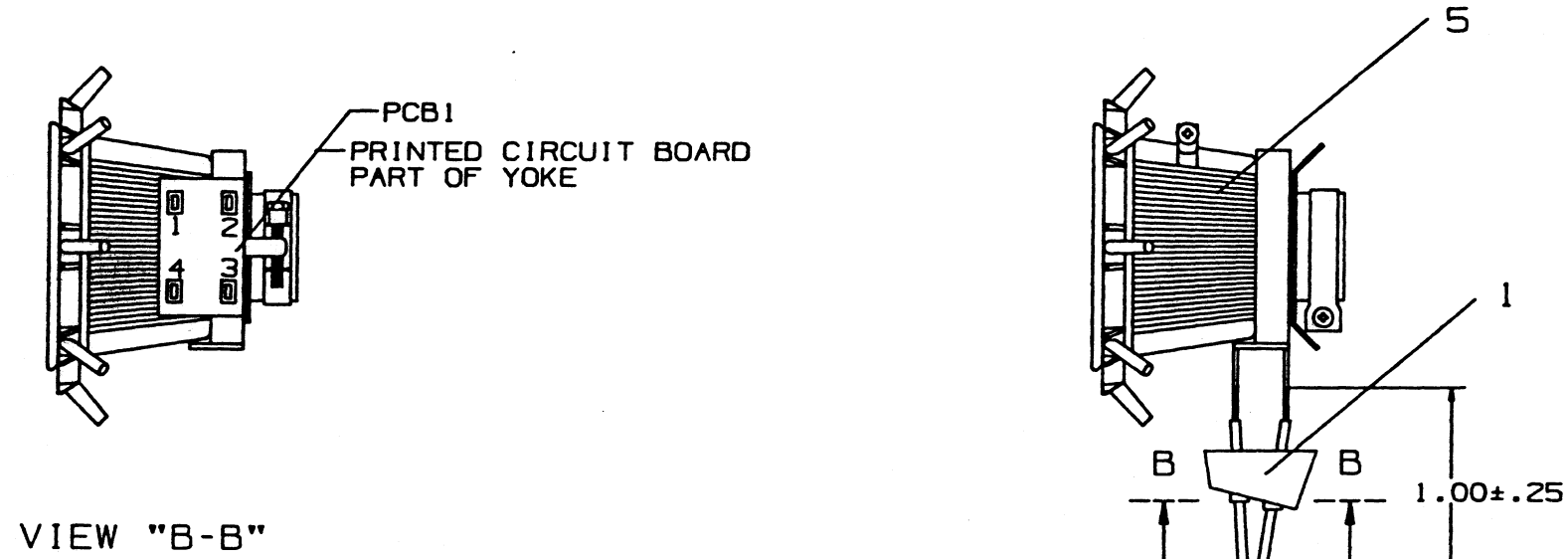
ITEM NO	DESCRIPTION	FROM		TO		PRECUT LENGTH +.50/- .00
		CONNECTION	WITH	CONNECTION	WITH	
8	YEL	PCB1-1	SOLDER	P201-4	3	7.30
9	WHT	PCB1-2	SOLDER	P201-2	3	7.30
7	RED	PCB1-3	SOLDER	P201-3	3	7.30
6	BRN	PCB1-4	SOLDER	P201-1	3	7.30

LEGEND

PART NO	REV	DESCRIPTION
7023729-01	A1	AS SHOWN

NOTES:

1. SOLDER WIRES TO TERMINALS AS SPECIFIED BY COLOR. USING WIRE TABLE.
2. SLIDE TERMINAL COVER (ITEM 1) OVER WIRES TOWARDS PCB 1.



CAUTION : OFF SHEET PARTS LIST EXISTS.  
SEE K-PL-7023729-0-DBP

DESCRIPTION	DRAWING NO.	PART NO	ITEM NO				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)							
INCHES TOLERANCE	APPLICABLE DIMENSION RANGE	DIMENSIONS RANGE IN INCHES					
		OVER 0 TO 0.1	OVER 0 TO 0.2	OVER 0 TO 0.2	OVER 0 TO 0.2	OVER 0 TO 0.2	OVER 0 TO 0.2
.X± .01	SURFACE QUALITY	□	□	□	□	□	□
.XX± .02		□	□	□	□	□	□
.XXX± .005	□	□	□	□	□	□	□
THIRD ANGLE PROJECTION	DRN Y. W. LEE	DATE 05-MAY-88	TITLE				
DO NOT SCALE DRAWING	CHK'D H.M. CHEN	DATE 12-JUN-88	YOKE ASSY				
REMOVE BURRS AND BREAK SHARP CORNERS	DES. ENG. K. WU	DATE 05-MAY-88					
MATERIAL	APP. ENG. J.B. LO	DATE 12-JUN-88	DOCUMENT NUMBER				
			D IN 7023729-0-DBP				

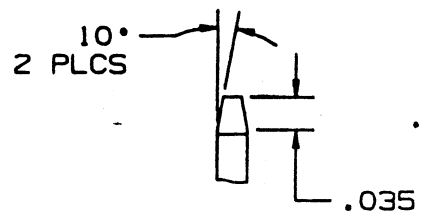
REVISION HISTORY	REV	A
DATE	EDD NUMBER	RELEASED

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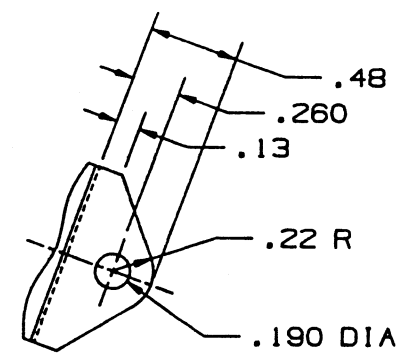
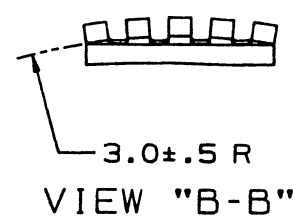
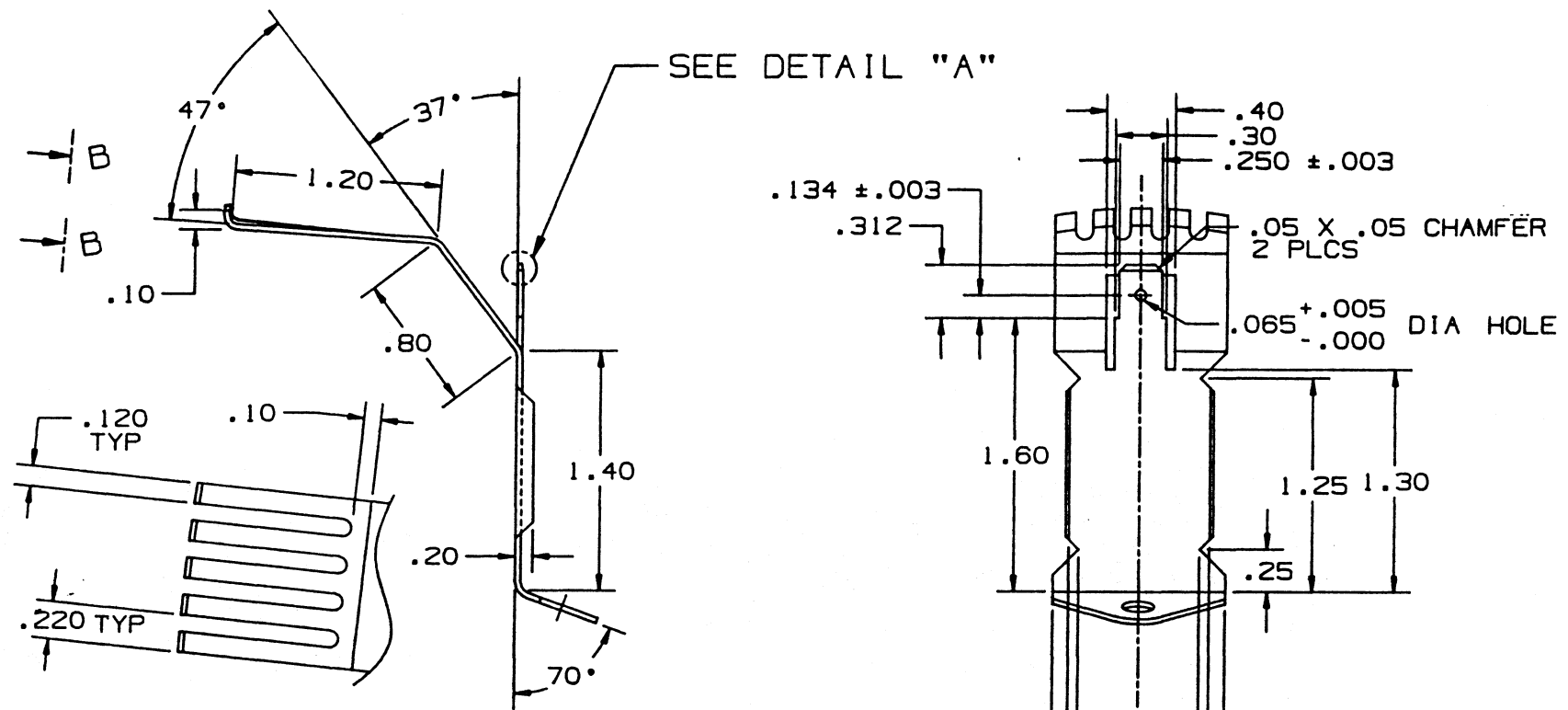
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 1986 DIGITAL EQUIPMENT CORPORATION

LEGEND		
PART NO	REV.	DESCRIPTION
7431613-01	A1	AS SHOWN

- NOTES :
1. FINISH : ACID TIN PLATE PER MIL-T-10727, TYPE 1
  2. INSIDE BEND RADIUS TO BE .03 UNLESS OTHERWISE SPECIFIED
  3. DIMENSIONAL TOLERANCE :  
 .XX = ±.01  
 .XXX = ±.005
  4. WORKMANSHIP PER STD 187



DETAIL "A"  
 SCALE : 10/1



DESCRIPTION	DRAWING NO.	PART NO	ITE NO
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)			
INCHES TOLERANCE	ANGLE TO 50°	APPLICABLE DIMENSION RANGE (CHECK ONE)	OVER 0 TO 0.2
			OVER 0.2 TO 0.2
			OVER 0.2 TO 0.2
SURFACE QUALITY	MICROINCHES	APPLICABLE DIMENSION RANGE (CHECK ONE)	OVER 0 TO 0.2
			OVER 0.2 TO 0.2
			OVER 0.2 TO 0.2
QUANTITY & VARIATION			
THIRD ANGLE PROJECTION	DRN J.N. LIN	DATE 08-JAN-88	TITLE digit
DO NOT SCALE DRAWING	CHK'D IVAN LIN	DATE 12-JUN-88	CLIP, GROUNDING
REMOVE BURRS AND BREAK SHARP CORNERS	DES. ENG. J. KUO	DATE 09-JAN-88	
MATERIAL 48-WDBAA PHOSPHOR BRONZE .032 THK	RESP. ENG. O. LIN	DATE 12-JUN-88	DOCUMENT NUMBER
FINISH SEE NOTE 1	TOP SEC. NO. 0-MD-7431613-0-DBU	SCALE 2/1	REV. A

ECO NUMBER	REV
RELEASED	A



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P A R T S L I S T

QUANTITY PER VARIATION/REVISION SHEET A1 OF A1

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	01 A1
1	1		1R-AAA3R-HH		STEEL, CR SHT, 1008, #60, 0.047	A/R
2	2		90-08869-00 A		INSERT, THREAD	2

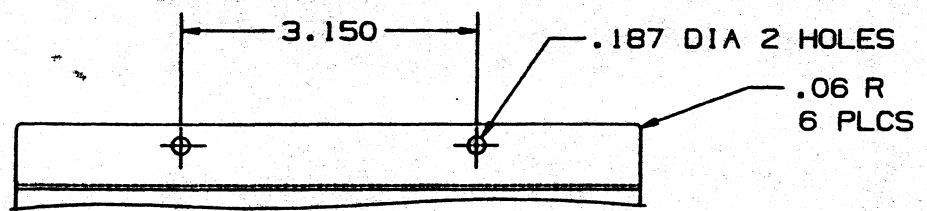
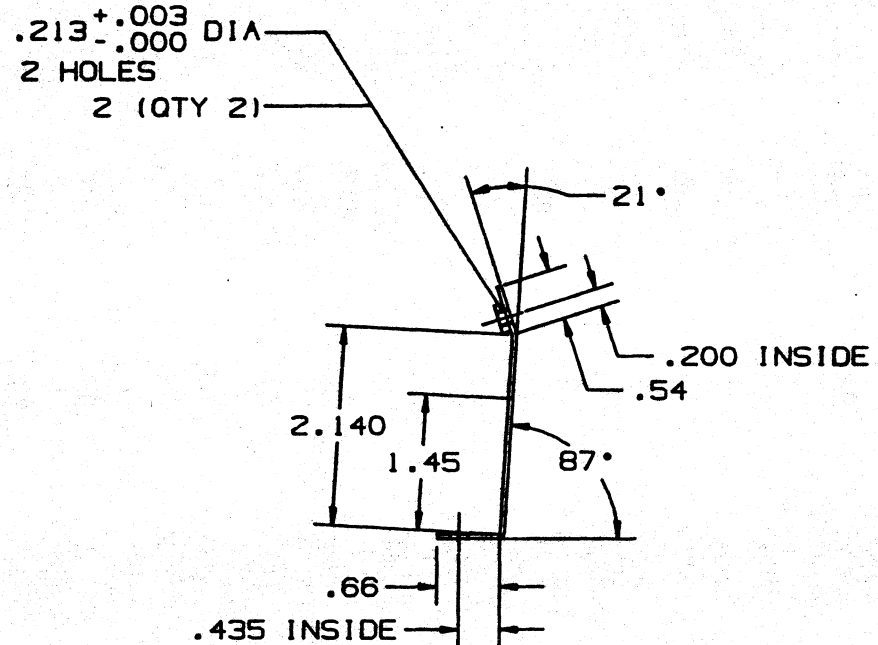
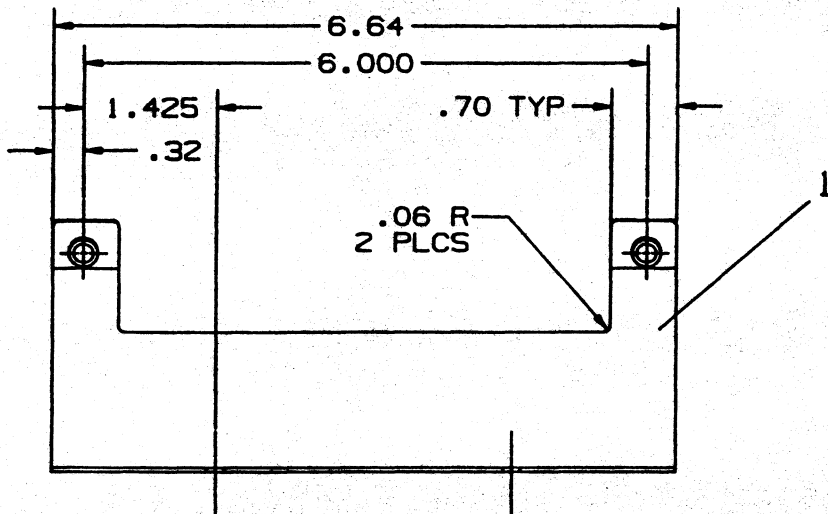
MOORE BUSINESS FORMS, INC. MO 2514 SPEEDREAD WITH EYE

REVISION HISTORY		EPL MATRIX FORMAT		SECTION A OF A		DRH: F LIU/L CAMACHO		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX		DATE: 29-JAN-86		TITLE PARTS LIST		
	INITIAL	A	[A]	01	CHK'D: IVAN LIN		BRACKET, ENCLOSURE		
			[B]		DATE: 12-JUN-86		DOCUMENT NUMBER		
			[C]		DES. ENG: J K WEI		SIZE CODE NUMBER REV		
			[D]		DATE: 23-APR-86		K PL 7433283-0-DBP A		
			[E]		RESP. ENG: O LIN		RELEASE DATE: 25-JUL-86		
			[F]		DATE: 12-JUN-86		RELEASE STATUS: RELEASED		
			[G]		MFG. ENG: G WU				
			[H]		DATE: 11-JUL-86				
BASIC PART NUMBER:		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT	
7433283		D-1A-7433283-0-DBU		D-1A-7433283-0-DBU		MLA0317A.PLS		20	

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LEGEND		
PART NO	REV.	DESCRIPTION
7433283-01	A1	AS SHOWN

- NOTES :
- INSIDE BEND RADII TO BE .03 R
  - WORKMANSHIP PER DEC STD 187
  - DIMENSIONAL TOLERANCE  
 .XX = ±.01  
 .XXX = ±.005



CAUTION: OFF SHEET PARTS LIST EXISTS  
REFER TO K-PL-7433283-0-DBP

REVISION HISTORY  
 DATE  
 REV. NO.  
 REV.  
 A  
 RELEASED

DESCRIPTION	DRAWING NO.	PART NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)						
INCHES TOLERANCE	ANGLES 20°-90°	DIMENSION RANGE IN INCHES				
		APPLICABLE DIMENSION RANGE	OVER 0 TO 0.2	OVER 0.2 TO 0.4	OVER 0.4 TO 0.6	OVER 0.6 TO 0.8
.XX ± .01 .XXX ± .005	SURFACE QUALITY	(CHECK ONE)	±.004	±.008	±.012	±.018
THIRD ANGLE PROJECTION	DRN	F. LIU	DATE	23-APR-85	TITLE	BRACKET, ENCLOSURE
DO NOT SCALE DRAWING	DRW'D	IVAN LIN	DATE	12-JUN-85	DOCUMENT NUMBER	DIA 7433283-0-DBU
REMOVE SURFS AND BREAK SHARP CORNERS	DES. ENG.	J.K. WEI	DATE	23-APR-85	SCALE	1/1
MATERIAL	REP. ENG.	O. LIN	DATE	12-JUN-85	SHEET	1 OF 1
FINISH 092-8055-XXX	MFG ENG		DATE			
	TOP ENG.		DATE			

AUTOMATED BY VAXKPL (V1.2)

PARTS LIST

QUANTITY PER VARIATION/REVISION SHEET A1 OF A1

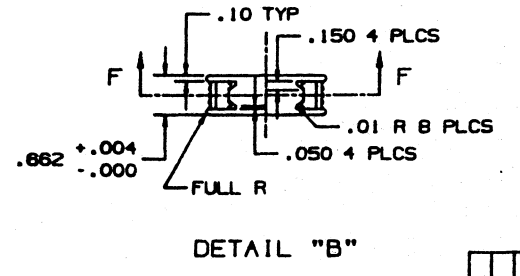
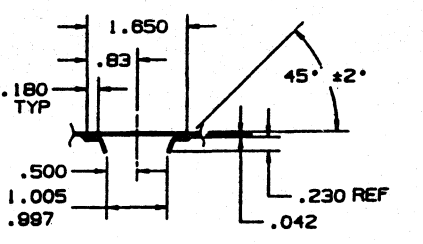
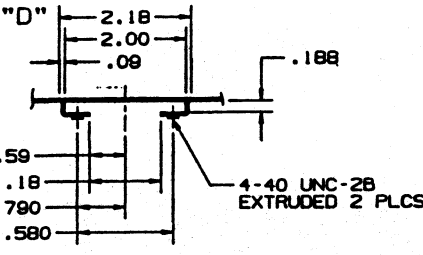
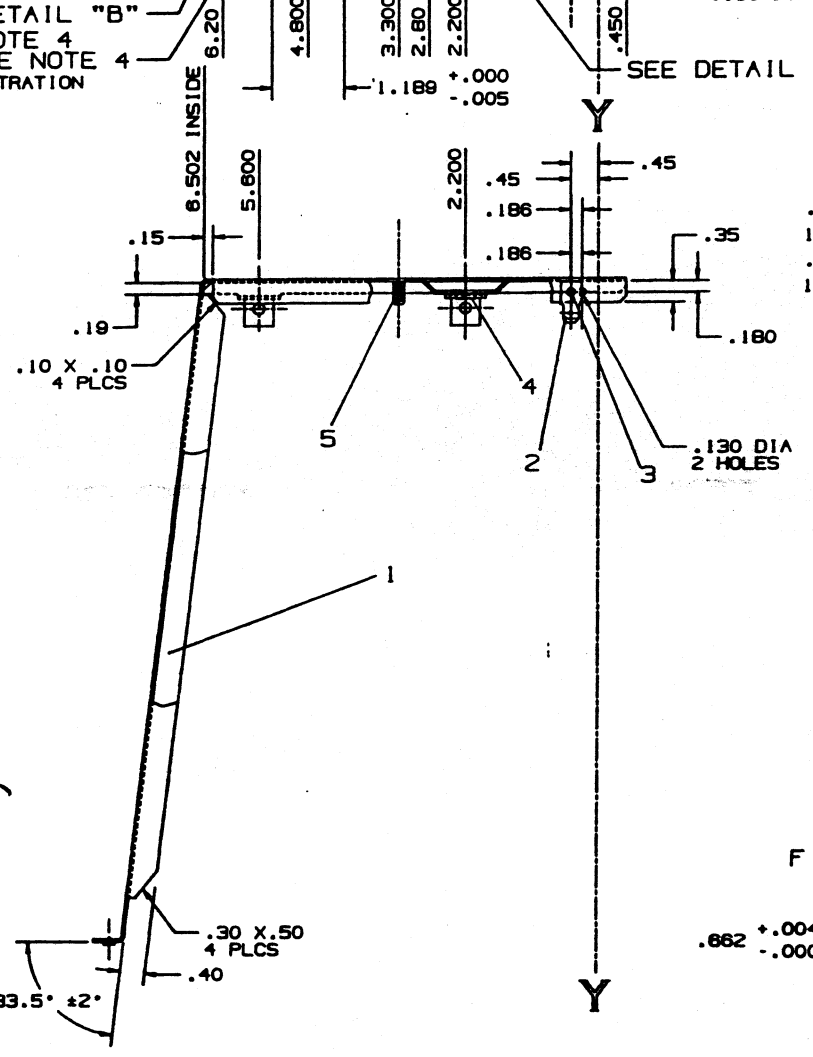
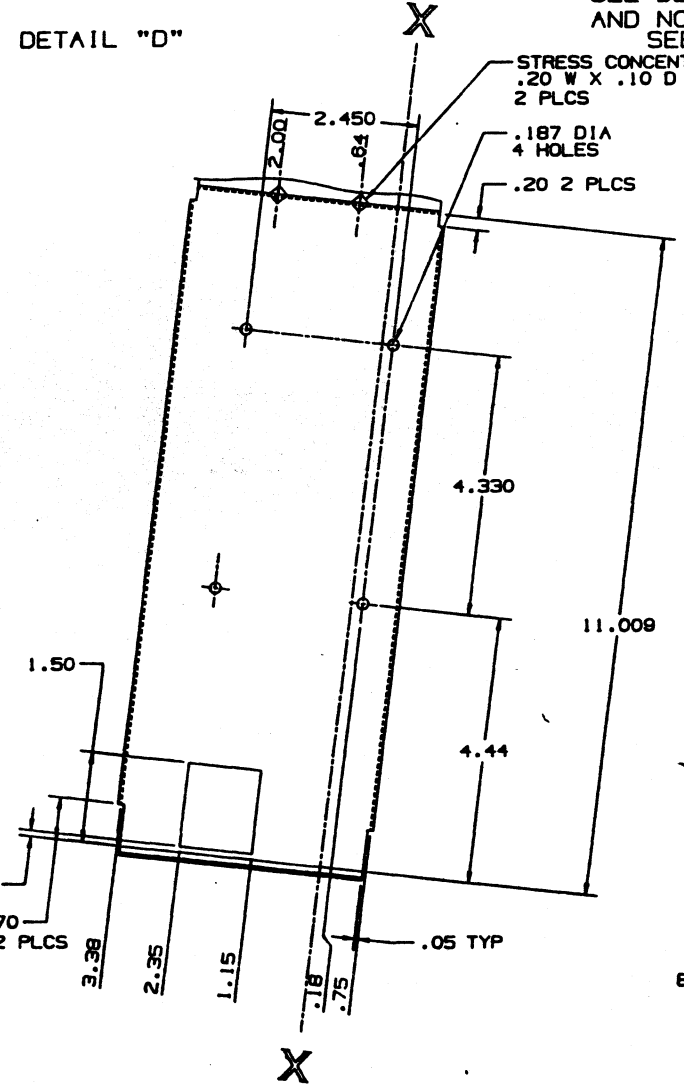
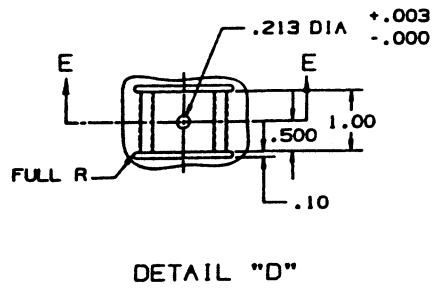
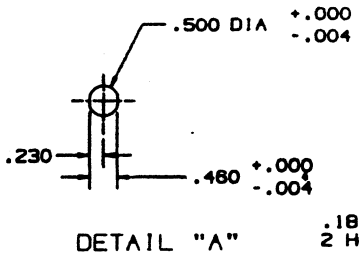
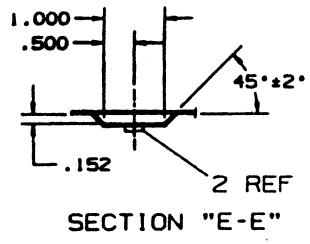
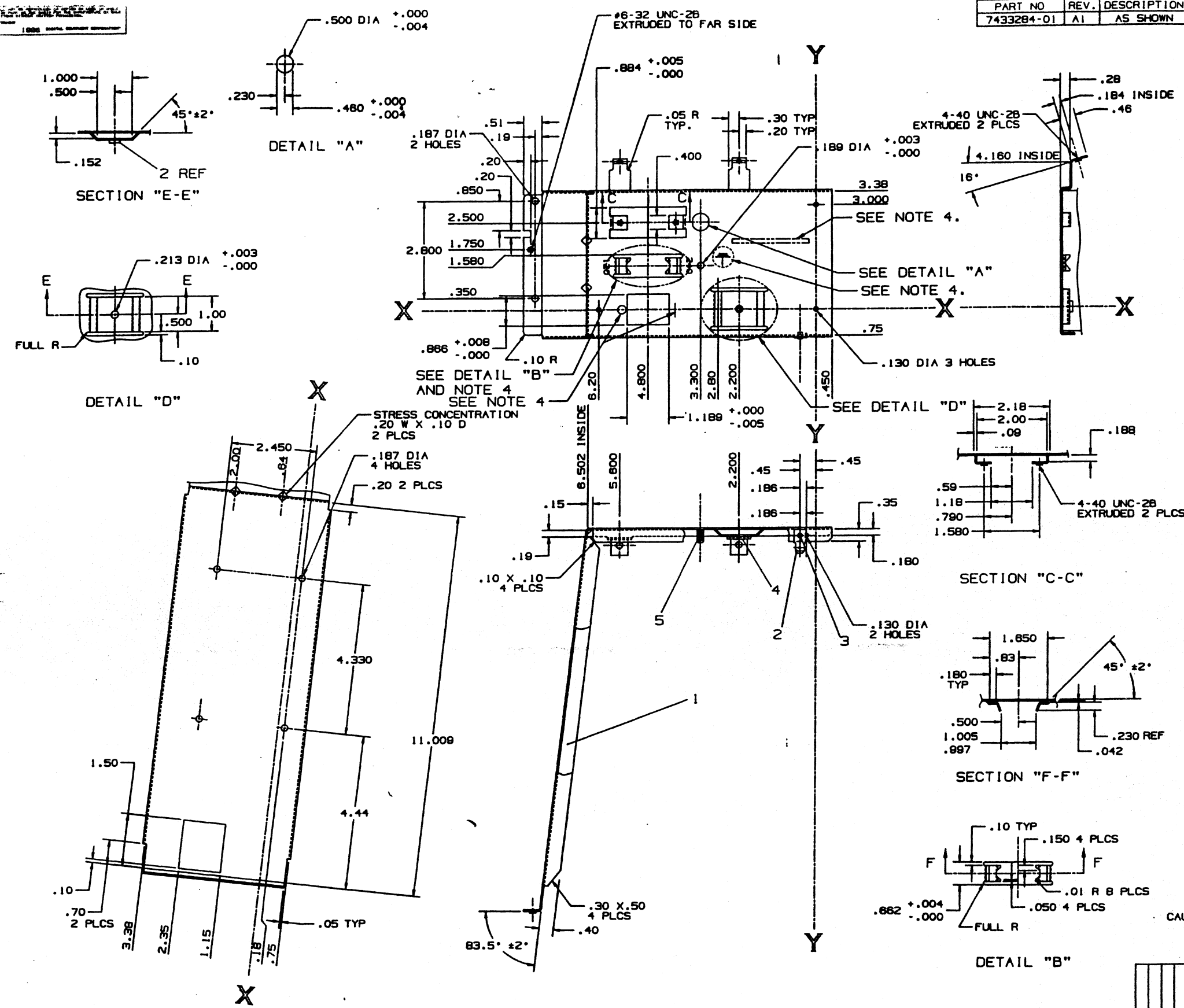
LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY
1	1	3-40-7433284-0-D9U	48-AAA78-44		STEEL, CR SHT, 1008, D40, 0.047	A/R
2	2		74-33919-01	A	TAB, GROUND	1
3	3		90-C0030-09		RIVET, BLIND DOME 0.125DX0.275LG	1
4	4		90-C8869-00		INSERT, THREAD SLF-CLNCH	1
5	5		90-10012-04		STUD, FLUSH HD 10-32X0.375LG	1

MOORE BUSINESS FORMS, INC. NO. 25W SPEEDREAD WITH EYE TRACE PATENT PENDING

REVISION HISTORY		RPL MATRIX FORMAT SECTION A OF A		DATE: 02-APR-86	DIGITAL	
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX	CHK'D: IVAN LIN	TITLE PARTS LIST	
---	INITIAL	A	[A] 01	DATE: 12-JUN-86	CHASSIS, MAIN	
			[B]	DES. ENG: J K WEI	DOCUMENT NUMBER	
			[C]	DATE: 02-APR-86	NUMBER	
			[D]	RESP. ENG: O LIN	REV	
			[E]	DATE: 12-JUN-86	K PL 7433284-0-D9U A	
			[F]	MFG. ENG: G WJ	RELEASE DATE: 25-JUL-86	
			[G]	DATE: 11-JUL-86	RELEASE STATUS: RELEASED	
BASIC PART NUMBER: 7433284		ASSEMBLY NUMBER: E-IA-7433284-0-D9U		TOP DOCUMENT NUMBER: E-IA-7433284-0-D9U		FILE NAME: MLA0318A.PLS
						TEDIT: 18
<p>"THIS DRAWING AND THE SPECIFICATIONS CONTAINED HEREIN ARE CONFIDENTIAL AND PROPRIETARY. THEY 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. THIS IS AN UNPUBLISHED WORK PROTECTED UNDER THE FEDERAL COPYRIGHT LAWS."</p>						

PART NO	REV.	DESCRIPTION
7433284-01	A1	AS SHOWN

- NOTES :
- INSIDE BEND RADII TO BE .03 R UNLESS OTHERWISE SPECIFIED.
  - WORKMANSHIP PER DEC STD 187
  - DIMENSIONAL TOLERANCE  
.XX = ±.01  
.XXX = ±.005.
  - IDENTIFICATION AND MARKS  
.12 HIGH X .007/.015.  
STEEL STAMPED CHARACTERS AND LOCATE APPROXIMATELY AS SHOWN  
IDENTIFICATION AND GROUNDING MARK TO BE ON FAR SIDE AND OTHERS ON NEAR SIDE.  
AIPART NUMBER.  
BIREMOVABLE INSERT NEEDED FOR REV.  
CIPART TO BE MARKED WITH VENDOR ID.



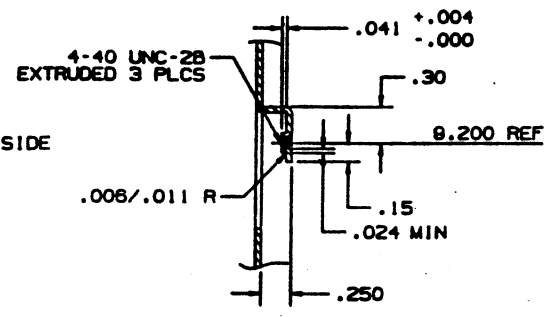
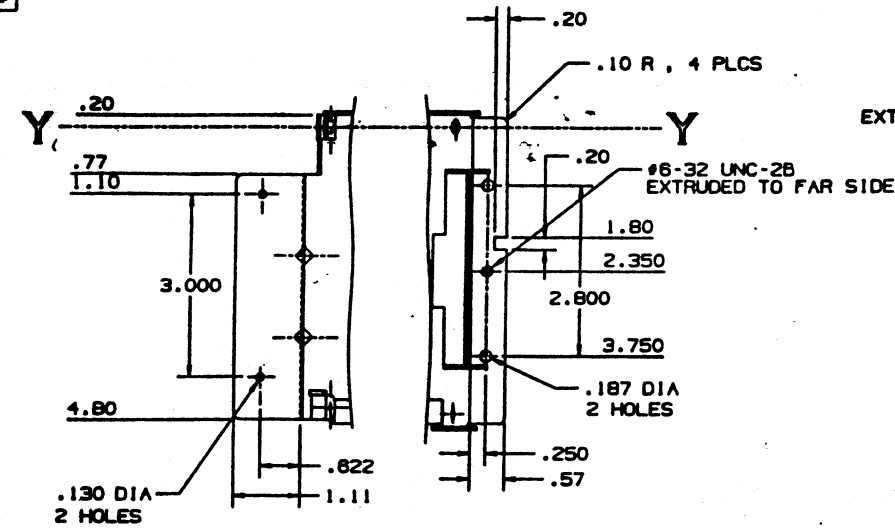
CAUTION : OFF SHEET PARTS LIST EXISTS. SEE K-PL-7433284-0-DBP

DESCRIPTION	DRAWING NO.	PART NO	REV.
CHASSIS, MAIN	7433284-01	7433284-01	A1
DATE	DATE	DATE	DATE
BY: F. LIU	BY: IVAN LIN	BY: J. K. WEI	BY: D. LIN
TITLE: CHASSIS, MAIN			

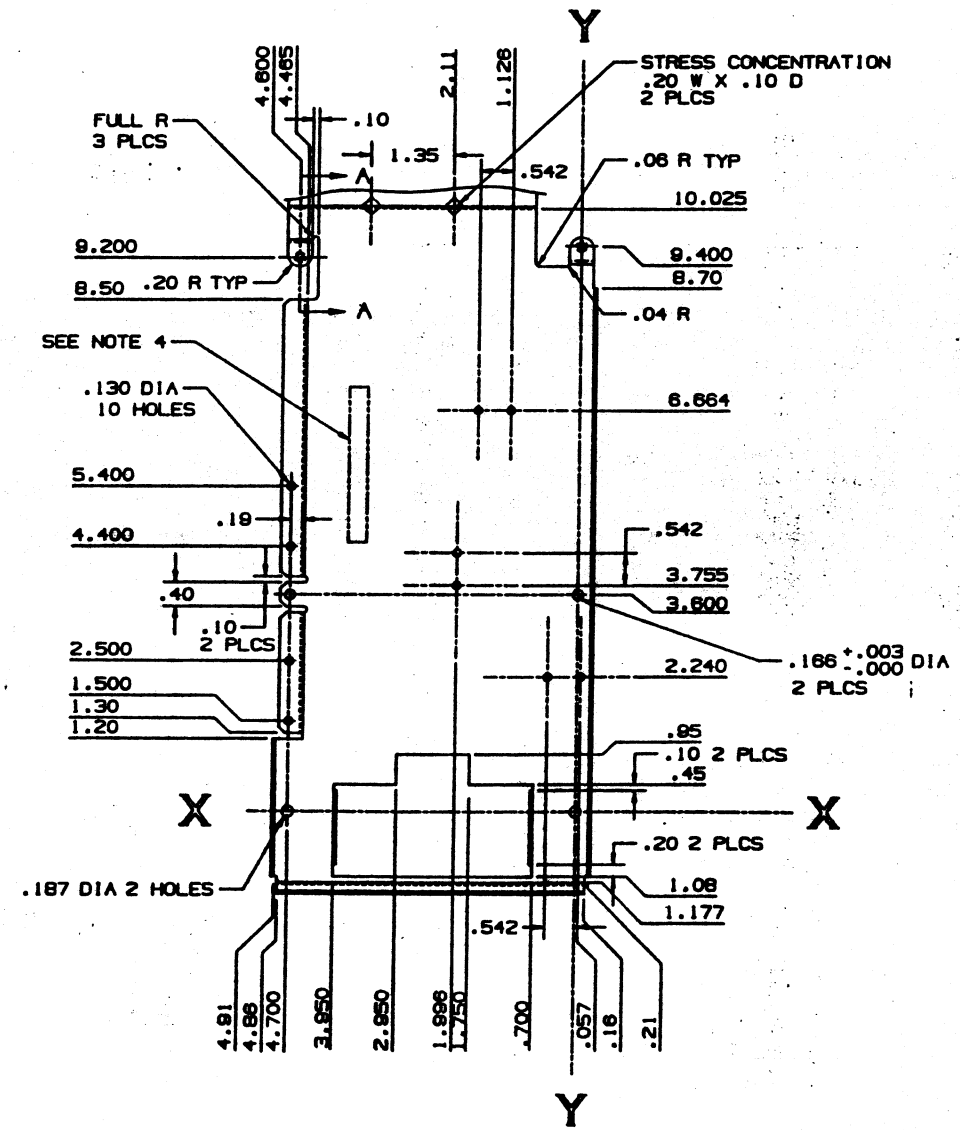
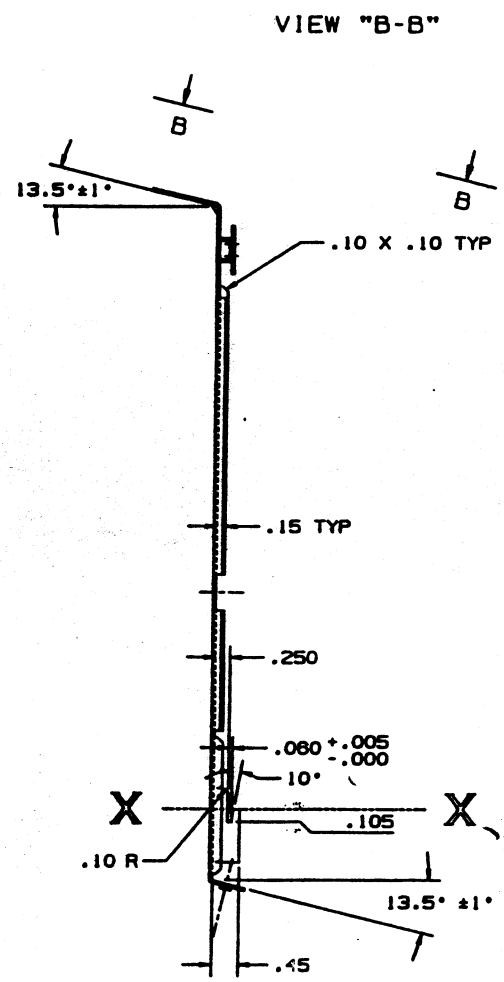
RELEASED

PART NO	REV.	DESCRIPTION
7433285-01	A1	AS SHOWN

- NOTES :
- INSIDE BEND RADI TO BE .03 R
  - WORKMANSHIP PER DEC STD 187
  - DIMENSIONAL TOLERANCE  
.XX = ±.01  
.XXX = ±.005
  - IDENTIFICATION .12 HIGH X .007/.015 STEEL STAMPED CHARACTERS AND LOCATE APPROXIMATELY AS SHOWN  
A) PART NUMBER  
B) REMOVABLE INSERT NEEDED FOR REV.  
C) PART TO BE MARKED WITH VENDOR ID.



SECTION "A-A"  
SCALE 1 2/1

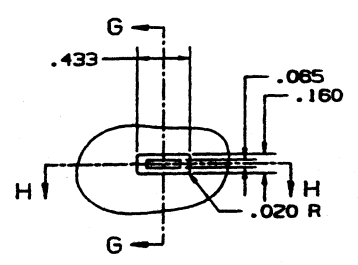
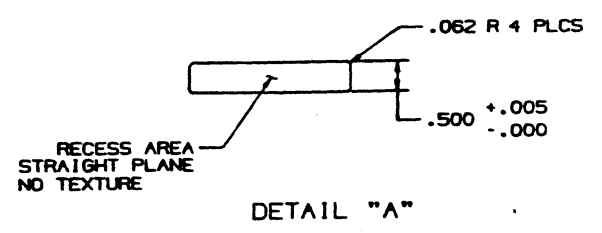
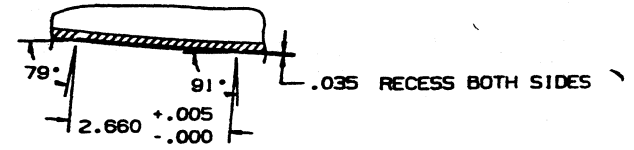
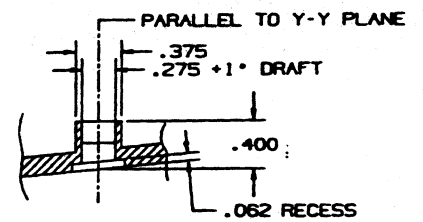
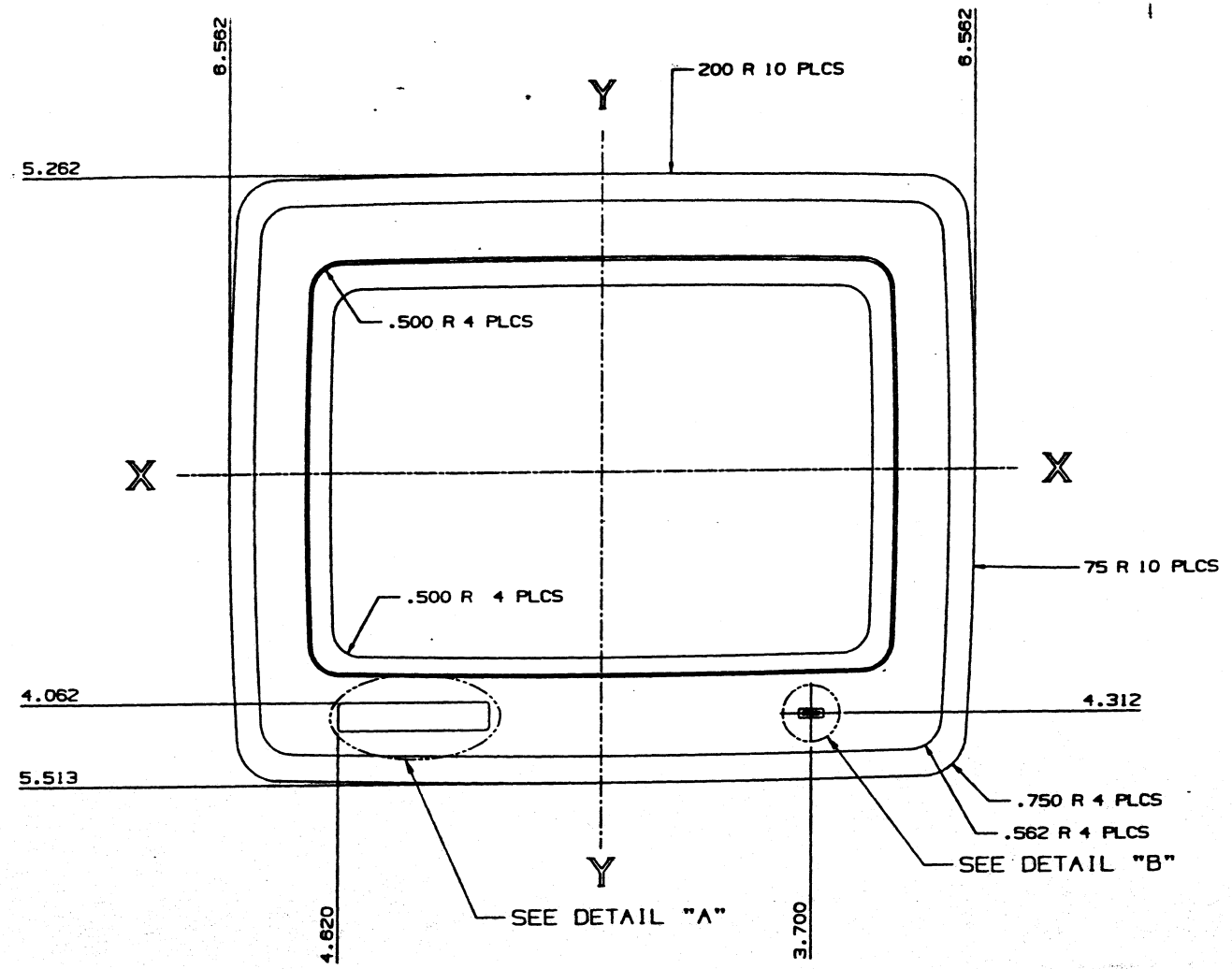


DESCRIPTION	DRAWING NO.	PART NO	REV.																									
CHASSIS, SECONDARY	7433285-01	7433285-01	A1																									
<table border="1"> <tr> <th>QTY</th> <th>UNIT</th> <th>DATE</th> <th>BY</th> <th>CHKD</th> </tr> <tr> <td>1</td> <td>PCB</td> <td>12-MAY-88</td> <td>F. LIU</td> <td></td> </tr> <tr> <td>1</td> <td>PCB</td> <td>12-MAY-88</td> <td>IVAN LIN</td> <td></td> </tr> <tr> <td>1</td> <td>PCB</td> <td>12-MAY-88</td> <td>J. K. WEI</td> <td></td> </tr> <tr> <td>1</td> <td>PCB</td> <td>12-MAY-88</td> <td>F. LIU</td> <td></td> </tr> </table>				QTY	UNIT	DATE	BY	CHKD	1	PCB	12-MAY-88	F. LIU		1	PCB	12-MAY-88	IVAN LIN		1	PCB	12-MAY-88	J. K. WEI		1	PCB	12-MAY-88	F. LIU	
QTY	UNIT	DATE	BY	CHKD																								
1	PCB	12-MAY-88	F. LIU																									
1	PCB	12-MAY-88	IVAN LIN																									
1	PCB	12-MAY-88	J. K. WEI																									
1	PCB	12-MAY-88	F. LIU																									
QUANTITY & VARIATION DATE MADE DO NOT SCALE DRAWING BEFORE SHIP AND CHECK SHIP COVER NATIONAL STANDARD 1983																												

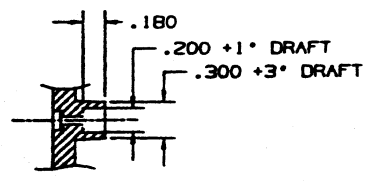
1880 00000 00000 00000

LEGEND		
PART NO	REV.	DESCRIPTION
7433295-01	A1	AS SHOWN

- NOTES:
- PART SHALL CONFORM TO DIGITAL SPEC A-PS-1200015-65. THE FOLLOWING REQUIREMENTS SHALL ALSO APPLY.
  - MATERIAL:
    - A) TYPE: POLYPHENYLENE OXIDE.
    - B) COLOR: GRAY SEE NOTE 3
    - C) RESIN MANUFACTURER: GENERAL ELECTRIC COMPANY.
    - D) TRADE NAME AND DESIGNATION: NORYL PX4400.
    - E) REGRIND: 15% PERMISSIBLE.
    - F) ALTERNATIVE MATERIAL: MUST RECEIVE DEC APPROVAL.
  - FINISH AND COLOR: TEXTURE EXTERIOR SURFACES PER 092-D204-068
  - FLAMMABILITY: MUST MEET UL-94-V0 OR BETTER ON FINISHED PART.
  - IDENTIFICATION: ENGRAVE OR STAMP USING 1/8" CHARACTER HEIGHT BY .007/.015 RAISED AS INDICATED BELOW AND LOCATE APPROXIMATELY AS SHOWN ON DRAWING.
    - A) REVISION, REMOVABLE INSERT REQUIRED.
    - B) PART NUMBER, VENDOR IDENTIFIED.
  - FLATNESS: TO BE FLAT AND STRAIGHT WITHIN .040 UNLESS OTHERWISE SPECIFIED.
  - UNLESS OTHERWISE SPECIFIED:
    - A) MATERIAL THK TO BE  $.160 \pm .005$ .
    - B) DRAFT ANGLE TO BE 3°. INSIDE RADIUS TO BE .03. OUTSIDE RADIUS TO BE .06.
  - PART MUST FUNCTIONALLY FIT PART E-1A-7428556-0-0
  - DIAMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED.
    - A) .X =  $\pm .04$
    - B) .XX =  $\pm .02$
    - C) .XXX FROM 0.000" — 5.000"  $\pm .005$
    - FROM 5.000" AND BEYOND  $\pm .0015$  PER INCH ADDITIONAL.



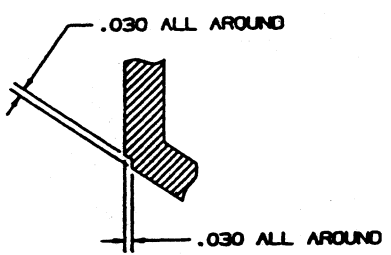
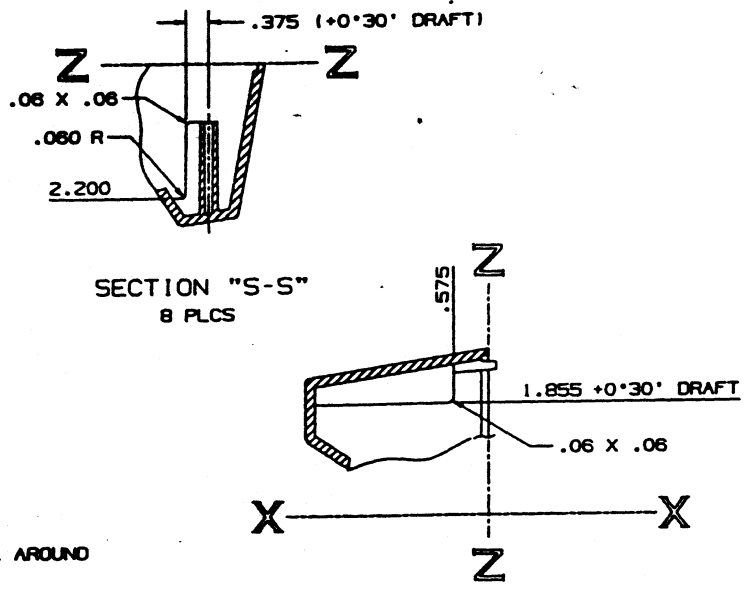
DETAIL "B" SCALE: 2/1



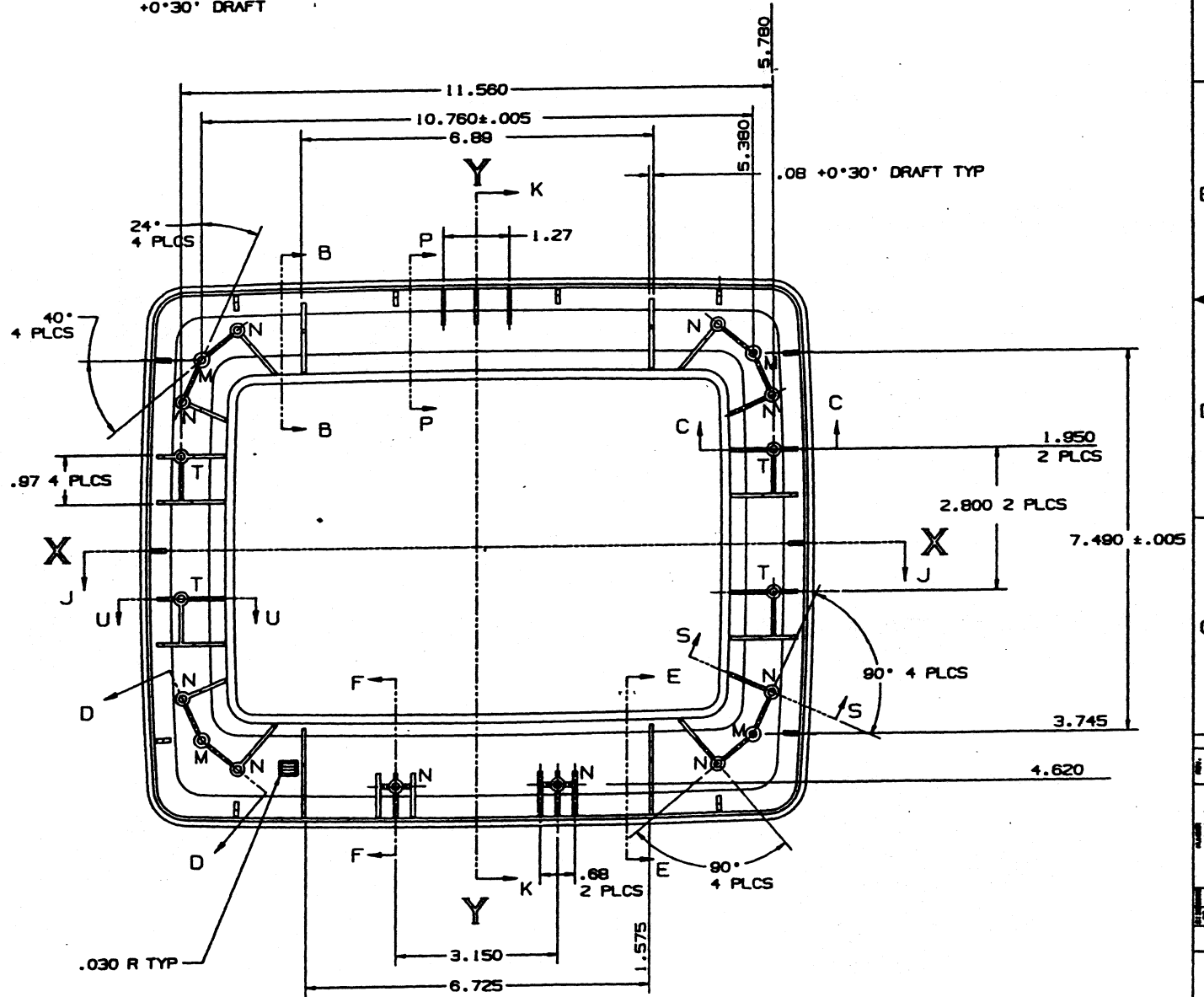
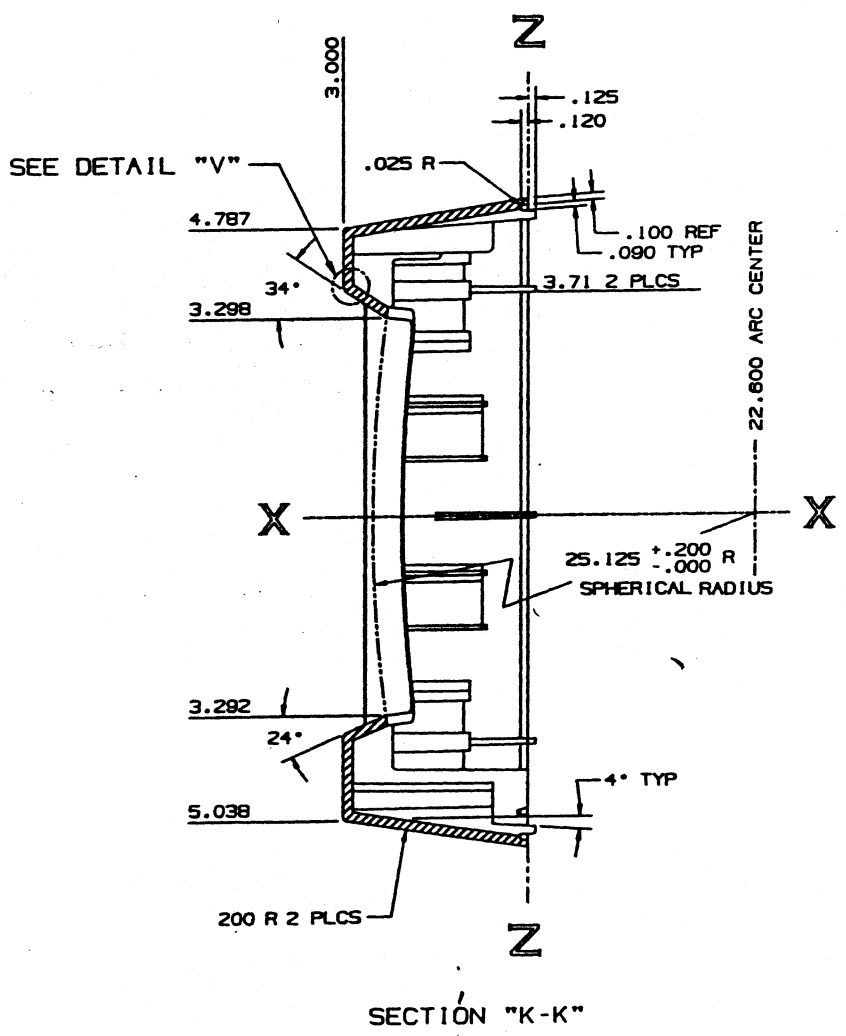
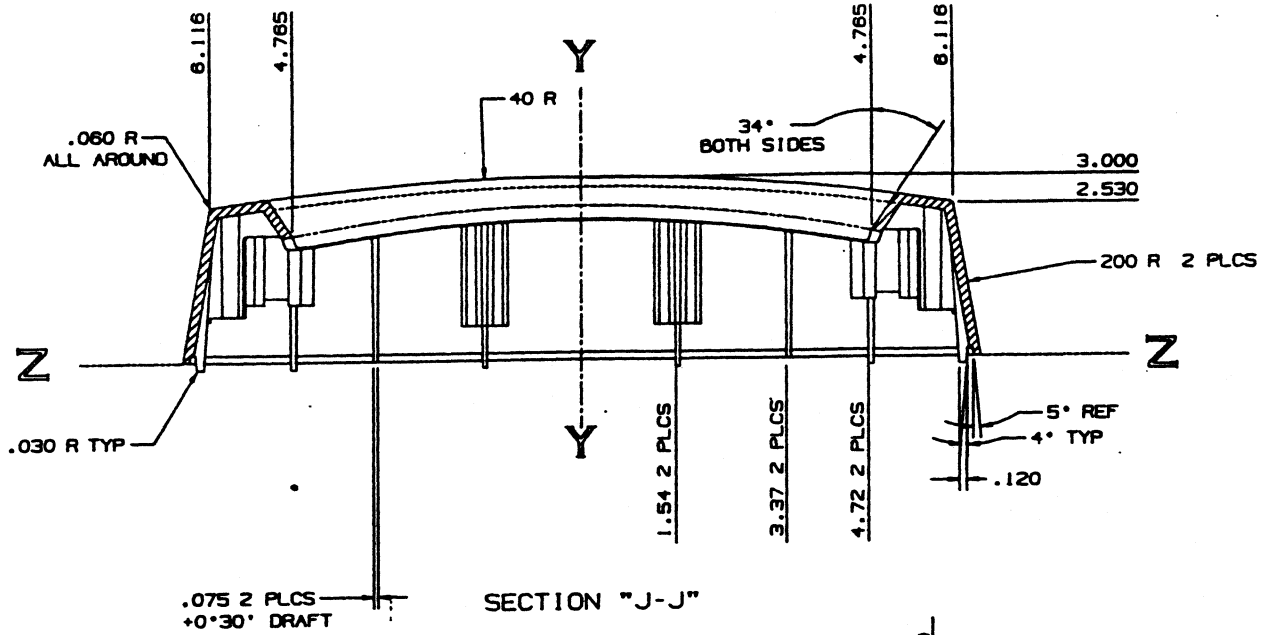
SECTION "G-G" SCALE: 2/1

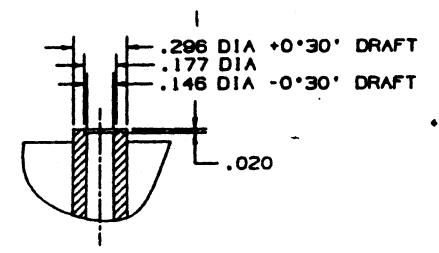
DESCRIPTION	DRAWING NO.	PART NO.	REV.
BEZEL, CRT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED:			
DIMENSIONS UNLESS OTHERWISE SPECIFIED			
FRONT VIEW	TOP VIEW	RIGHT SIDE VIEW	LEFT SIDE VIEW
±.015	±.015	±.015	±.015
±.005	±.005	±.005	±.005
±.002	±.002	±.002	±.002
±.001	±.001	±.001	±.001
±.0005	±.0005	±.0005	±.0005
±.0002	±.0002	±.0002	±.0002
±.0001	±.0001	±.0001	±.0001
QUANTITY & VARIATION			
THIS IS THE PRELIMINARY DRAWING	DATE: 02-MAY-68	TITLE: BEZEL, CRT	REV: 1
DESIGNED BY: F. LIU	DATE: 12-APR-68	DRAWN BY: IVAN LIN	DATE: 02-MAY-68
CHECKED BY: J. K. WEI	DATE: 12-APR-68	APPROVED BY: D. LIN	DATE: 12-APR-68
DO NOT SCALE DRAWING			
REMOVE DIMENSIONS AND BREAK SHARP CORNERS			
MATERIAL: GRAY POLYPHENYLENE OXIDE			

REVISION HISTORY  
REV. NO. 1  
DATE 12-APR-68  
BY J. K. WEI  
RELEASED

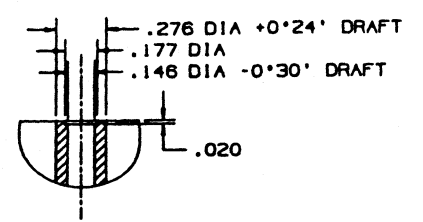


DETAIL "V"  
SCALE: 4/1

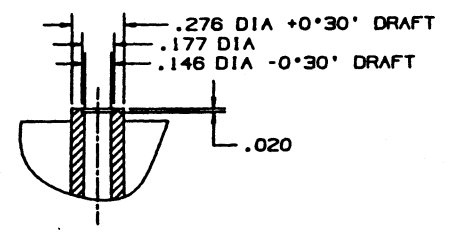




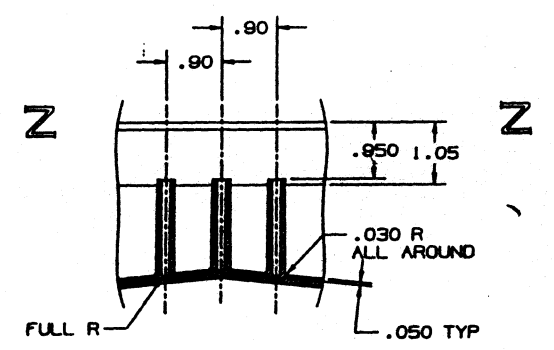
DETAIL "M" HOLES  
4 PLCS  
SCALE: 3/1



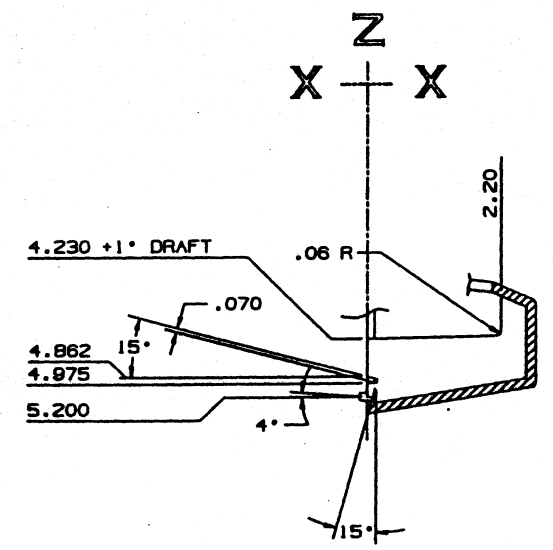
DETAIL "T" HOLES  
4 PLCS  
SCALE: 3/1



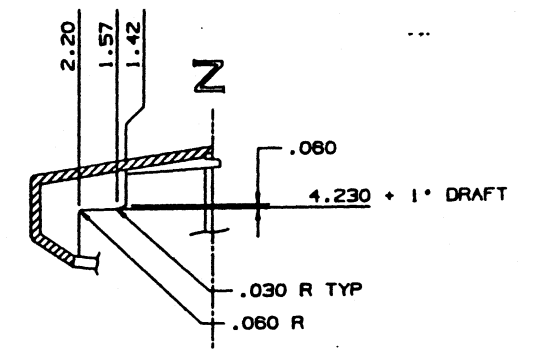
DETAIL "N" HOLES  
10 PLCS  
SCALE: 3/1



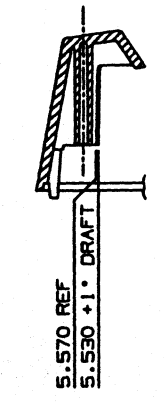
SECTION "D-D"  
4 PLCS



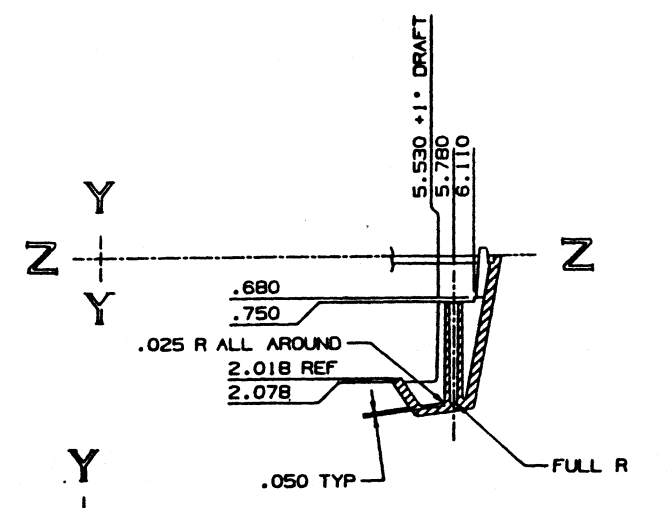
SECTION "E-E"  
2 PLCS



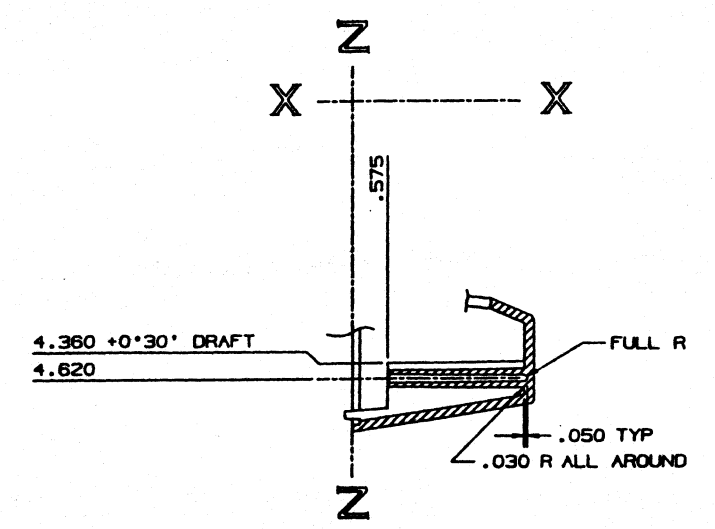
SECTION "B-B"  
2 PLCS



SECTION "U-U"  
2 PLCS



SECTION "C-C"  
2 PLCS



SECTION "F-F"  
2 PLCS



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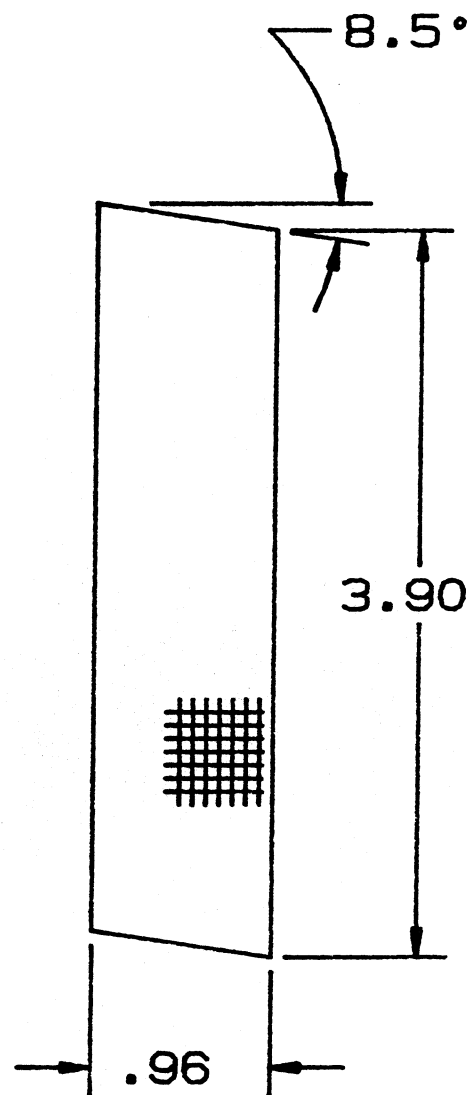
1986 DIGITAL EQUIPMENT CORPORATION

LEGEND

PART NO	REV.	DESCRIPTION
7433848-.01	A1	AS SHOWN

NOTES:

- MATERIAL: STEEL WIRE CLOTH WITH 14 BY 14 WIRE DIAMETER .018
- TOLERANCE:
  - .XXX = ±.008
  - .XX = ±.015
- PART TO BE FLAT AND STRAIGHT WITH .015



**PRELIMINARY**

REVISION HISTORY  
DATE REV  
RELEASED A

DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)			
INCHES TOLERANCES  .XX = ±.015 .XXX = ±.008 .00X = ±.005	ANGLES 0°30'  SURFACE QUALITY  ✓  MICROINCHES	APPLICABLE DIMENSION RANGE (CHECK ONE)	
		DIMENSIONS RANGE IN 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 60.0
		±.004	±.008
		±.012	±.016
		±.024	±.04
QUANTITY & VARIATION	THIRD ANGLE PROJECTION 	DRN. J.N. LIN DATE 11-APR-86	TITLE digital
DO NOT SCALE DRAWING		CHK'D IVAN LIN DATE 12-JUN-86	SCREEN, LOUVER
REMOVE BURRS AND BREAK SHARP CORNERS		DES. ENG. J.K. WEI DATE 11-APR-86	
MATERIAL		REP. ENG. O. LIN DATE 12-JUN-86	DOCUMENT NUMBER
SEE NOTE 1		MFR. ENG.	SIZE CODE NUMBER REV E MD 7433848-0-DBU A
FINISH NONE		TOP DOC. NO. 0-MD-7433848-0-DBU	SCALE 1/1

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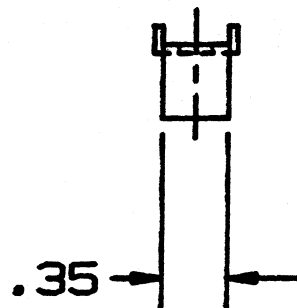
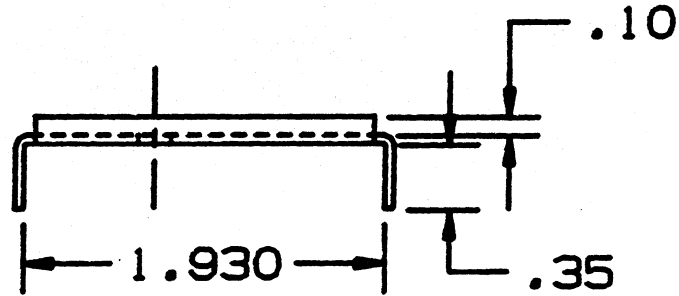
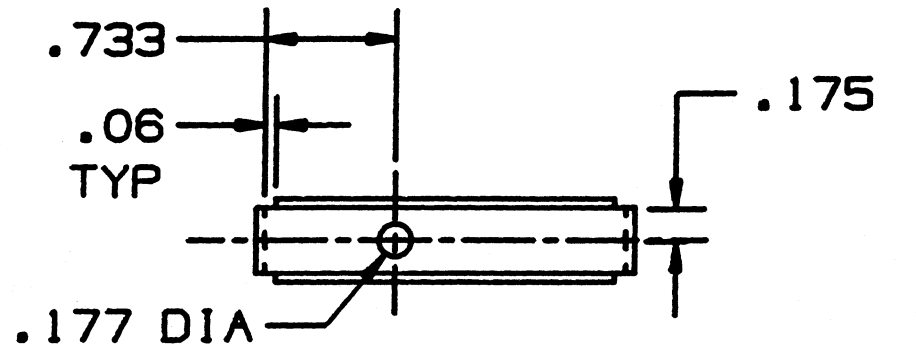
1986 DIGITAL EQUIPMENT CORPORATION

LEGEND

PART NO	REV.	DESCRIPTION
7433869-01	A1	AS SHOWN

NOTES:

- INSIDE BEND RADI I TO BE .03 R, UNLESS OTHERWISE SPECIFIED
- WORKMANSHIP PER DEC STD 187
- DIMENSIONAL TOLERANCE  
 .XX = ±.01  
 .XXX = ±.005
- ALL CORNERS .03 R



**PRELIMINARY**

REVISION HISTORY  
 ECD NUMBER  
 REV  
 RELEASED A

DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)			
INCHES TOLERANCES .XX = ±.01 .XXX = ±.005 .001 = ±.001	ANGLES 0°-30°  SURFACE QUALITY ✓  MICROFINISH	APPLICABLE DIMENSION RANGE	
		DIMENSIONS RANGE IN INCHES	
QUANTITY & VARIATION		OVER 0 TO 0.2	OVER 0.2 TO 1.2
THIRD ANGLE PROJECTION 		OVER 1.2 TO 4.0	OVER 4.0 TO 12.0
DO NOT SCALE DRAWINGS		OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
REMOVE BURRS AND BREAK SHARP CORNERS		±.004	±.005
MATERIAL 48AAABD-HH 188A(1.047 THK) C.R.S		±.012	±.016
FINISH 082-8058-XXX		±.02	±.03
DRW. Y. W. LEE DATE 2-MAY-88	DATE 2-MAY-88	±.03	±.04
CHK'D IVAN LIN DATE 12-JUN-88	DATE 12-JUN-88	±.04	±.05
DES. ENG. J. K. WEI DATE 2-MAY-88	DATE 2-MAY-88	±.05	±.06
REP. ENG. O. LIN DATE 12-JUN-88	DATE 12-JUN-88	±.06	±.07
TITLE BRACKET, HEAT SINK		±.07	±.08
TOP DOC. NO. B-MD-7433869-0-DBU		±.08	±.09
DOCUMENT NUMBER 7433869-0-DBU		±.09	±.10
SCALE 1/1		±.10	±.11
SHEET 1 OF 1		±.11	±.12

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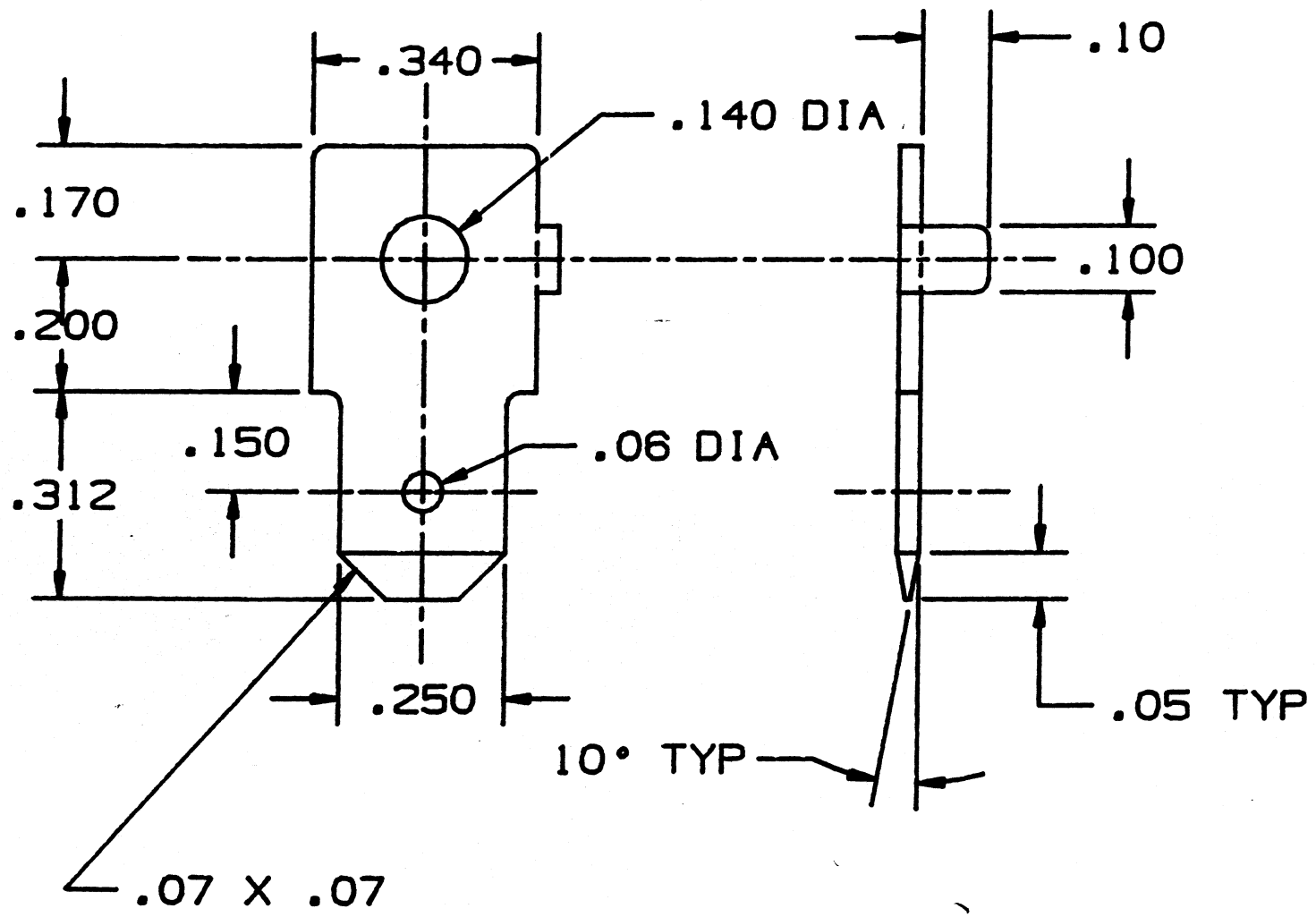
1986 DIGITAL EQUIPMENT CORPORATION

LEGEND

PART NO	REV.	DESCRIPTION
7433919-01	A1	AS SHOWN

NOTES:

1. FINISH: ACID TIN PLATE PER DEC STD 092-B204-065
2. INSIDE & OUTSIDE RADIUS TO BE .02
3. DIMENSIONAL TOLERANCE:  
 .XX =  $\pm 0.01$   
 .XXX =  $\pm 0.005$
4. WORKMANSHIP PER STD 187
5. BEND RADIUS .02



**PRELIMINARY**

REVISION HISTORY  
 DATE EDC NUMBER REV  
 10-11-86 RELEASED A

DESCRIPTION		DRAWING NO.	PART NO.	ITEM NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)								
INCHES TOLERANCES $\begin{matrix} .XX = .02 \\ .XXX = .005 \\ .XXX = .005 \end{matrix}$	ANGLES 0°-30° SURFACE QUALITY  MICROFINISH	APPLICABLE DIMENSION RANGE (CHECK ONE) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	DIMENSIONS RANGE IN 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 99.0
QUANTITY & VARIATION			0.004	0.008	0.012	0.016	0.024	0.04
THIRD ANGLE PROJECTION 	DRW. C. H. CHEN	DATE 6-MAY-86	TITLE		digital			
DO NOT SCALE DRAWING	CHK'D J.N. LIN	DATE 12-JUN-86	TAB,		GROUND			
REMOVE BURRS AND BREAK SHARP CORNERS	DES. ENG. IVAN LIN	DATE 6-MAY-86						
MATERIAL 48-VAAAA-CC BRASS .032 THK	RESP. ENR. O. LIN	DATE 12-JUN-86	DOCUMENT NUMBER					
FINISH SEE NOTE 1	APP. ENG.	DATE	MD 7433919-0-DBU		REV	A		

AUTOMATED BY VAXKPL (V1.2)

PARTS LIST

QUANTITY PER VARIATION/REVISION SHEET A1 OF A1

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	01 A1
1	1		48-JAAGG-KK		ALUM SHEET , 1100, H14 , 0.125	A/R
2	2		90-10752-01		PIN,HEATSK .245 X .417	BR 3

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  
 SPEEDREAD WITH EYE © PATENT PENDING  
 MODERN BUSINESS FORMS, INC. NO. 2-54

REVISION HISTORY		KPL MATRIX FORMAT		SECTION A OF A		DRN: CH CHEN/CAMACHO		D I G I T A L		
ENG	ECD NUMBER	REV	SECTION/VARIATION INDEX		CHK'D:	DATE:	TITLE	DOCUMENT NUMBER	REV	
	INITIAL	A	[A]	01	F LIU	06-JUN-86	PARTS LIST			
			[B]		DATE:	12-JUN-86	BRACKET, MOUNTING			
			[C]		DES. ENG:	IVAN LIN				
			[D]		DATE:	06-JUN-86				
			[E]		RESP. ENG.:	S W CHENG				
			[F]		DATE:	12-JUN-86				
			[H]		MFG. ENG.:	G WU				
			[J]		DATE:	11-JUL-86				
					BASIC PART NUMBER:	7433992	ASSEMBLY NUMBER:	C-1A-7433992-0-DBU	TOP DOCUMENT NUMBER:	C-1A-7433992-0-DBU
							FILE NAME:	MLA0445A.PLS	EDIT #	12

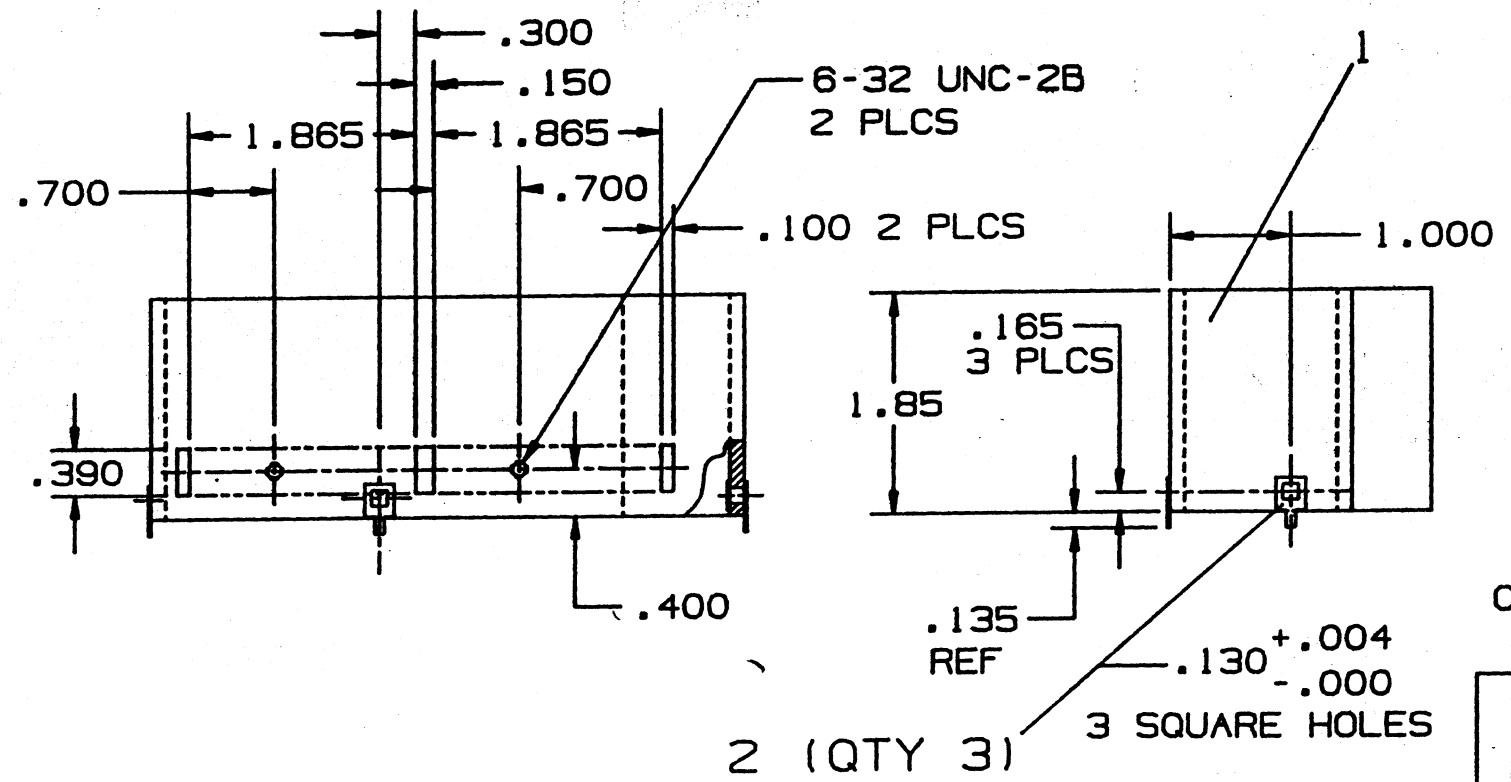
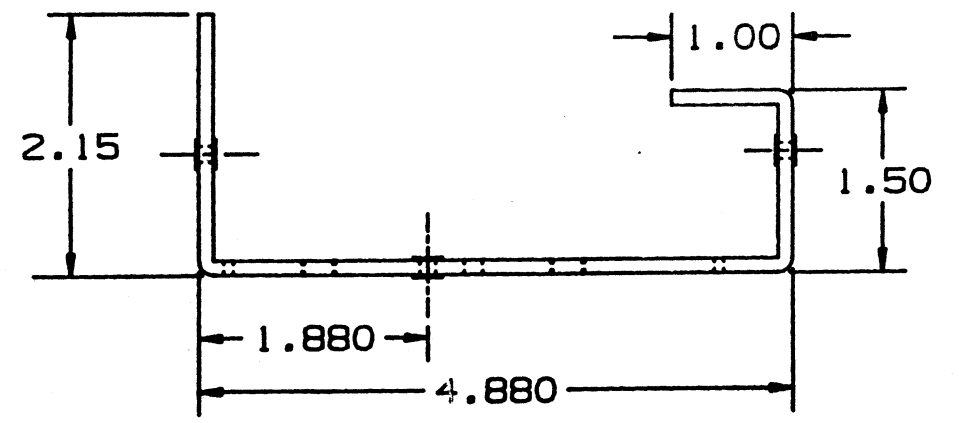
RELEASE DATE: 25-JUL-86  
RELEASE STATUS: RELEASED

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 1986 DIGITAL EQUIPMENT CORPORATION

LEGEND		
PART NO	REV.	DESCRIPTION
7433992-01	A1	AS SHOWN

NOTE:  
 1. INSIDE BEND RADIUS TO BE .03 R UNLESS OTHERWISE SPECIFIED.  
 2. WORKMANSHIP PER DEC STD 187  
 3. DIMENSIONAL TOLERANCE  
 .XX=±.01  
 .XXX=±.005



**PRELIMINARY**

CAUTION : OFF SHEET PARTS LIST EXISTS.  
 SEE K-PL-7433992-0-DBP

DATE	ECO NUMBER	REV
		A

RELEASED

DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)			
INCHES TOLERANCES	ANGLES 40°30'	APPLICABLE DIMENSION RANGE	
		DIMENSIONS RANGE IN INCHES	
SURFACE QUALITY	MICROINCHES	OVER 0.1	OVER 1.0
		OVER 1.0	OVER 10.0
QUANTITY & VARIATION	MATERIAL	OVER 10.0	OVER 100.0
		OVER 100.0	OVER 1000.0
THIRD ANGLE PROJECTION		DATE	TITLE
DO NOT SCALE DRAWING		29-MAY-86	BRACKET, MOUNTING
REMOVE BURRS AND BREAK SHARP CORNERS		DATE	
MATERIAL		12-JUN-86	
DATE		12-JUN-86	
DRAWN		DATE	
C. H. CHEN		29-MAY-86	
CHK'D		DATE	
F. LIU		12-JUN-86	
DESIGN		DATE	
IVAN LIN		29-MAY-86	
REP'D		DATE	
S. W. CHENG		12-JUN-86	
DATE		DATE	
		DATE	
		DATE	
		DATE	
		DATE	

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