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FIELD MAINTENANCE PRINT SET

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UNIT VARIATIONS COVERED BY THIS PRINT SET

Ball-RA
Ball-RB

BALL-R Field Maintenance Print Set

Digital Equipment
Corporation

PRINT SET ORDER NO.

MP00589

REVISIONS	REV.		USED ON OPTION/MODEL	DRN.	DATE	TITLE: BALL-R PRINT SET	digital		
	CHG. NO.			PDP11/03- N	CHK'D			DATE	
					W. MC			16 JUNE 78	
					PROJ. ENG.			DATE	
	DATE			FIELD SERV.	DATE	SIZE	CODE	NUMBER	REV.
						B	TC	BALL-R-1	
				SHEET 1 OF 1		DIST.			

DRB 124

MKI

DRAWING DIRECTORY

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UNIT VARIATIONS

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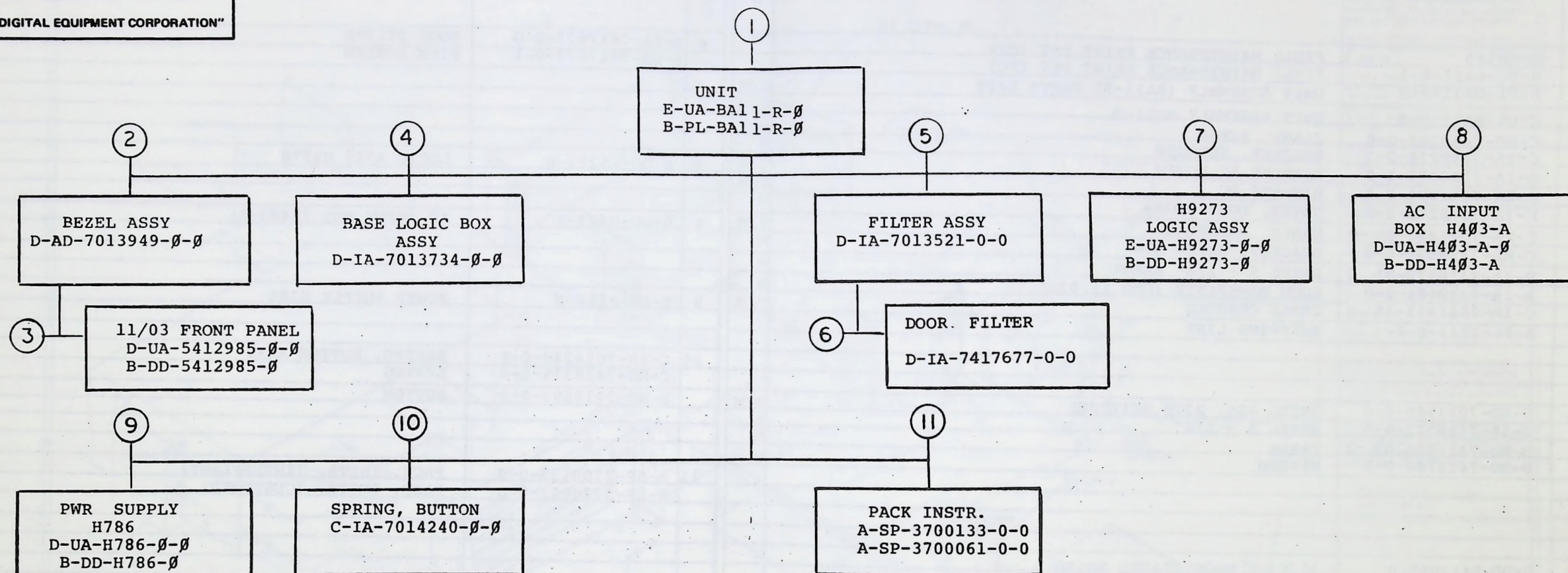
REVISIONS		DRN.	DATE	TITLE
CHANGE NO.	REV.			BALL-R
		USED ON OPTION/MODEL		LOGIC BOX
CHK		BALL-R		
		CHK'D.		
		PROJ. ENG.		
		PROD.		
SHEET	1 OF 3			

DRB 106A

MKI

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REV.	NUMBER	SIZE	B
	BALL-R	DD	



TITLE	SIZE CODE	NUMBER	REV
LOGIC BOX BALL-R	B DD	BALL-R	

SHEET 2 OF 3

MKI

3

[illegible]

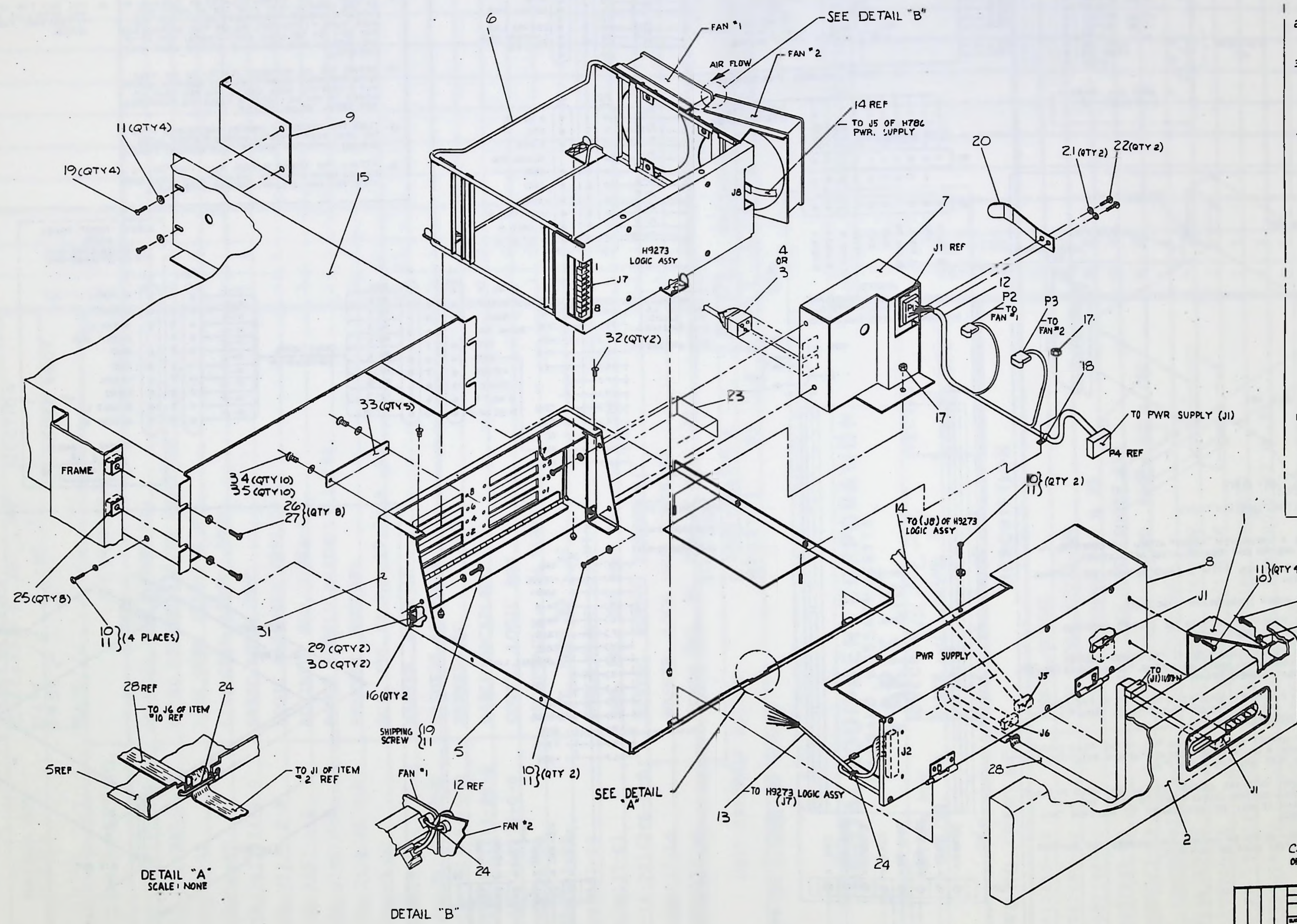
DRB 108A

4

MKI

ALL DIMENSIONS AND SPECIFICATIONS ARE THE PROPERTY OF BELL TELEPHONE CORPORATION AND ARE NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF BELL TELEPHONE CORPORATION.

NUMBER	LEGEND			
	AMPS	VOLTS	HZ	VARIATION
BALL-RA	12A	SINGLE/3 115 V	50/60 HZ	BEZEL ASSY/ SWITCHES
BALL-RB	6A	SINGLE/3 230V	50/60 HZ	BEZEL ASSY/ SWITCHES



NOTES:

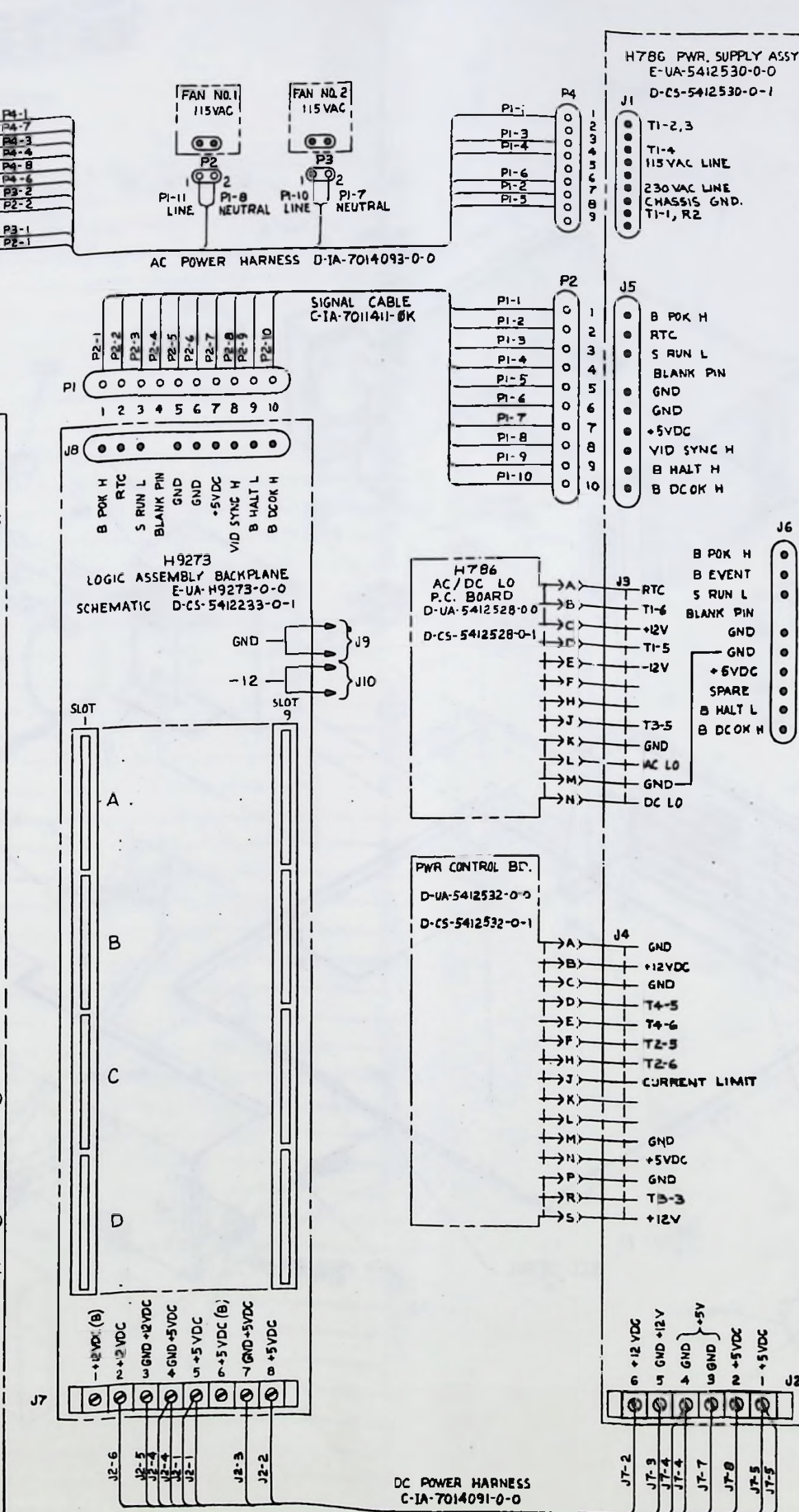
- ASSEMBLY INSTRUCTIONS
1. OPERATIONS TO BE PERFORMED PER HARDWARE STANDARDS NO. SP-7645099-0 AND DEC'S WORKMANSHIP STANDARD.
 2. INSTALL 1/4 TURN RECEPTACLE (ITEM 16) TO THE BASE (ITEM 5) AS SHOWN 2 PLACES.
 3. ATTACH THE A.C. INPUT BOX (ITEM 7) TO THE STUD IN THE BASE (ITEM 5) USING "B-32 KEP NUT (ITEM 17), AND TO THE DOOR SUPPORT BRKT. OF ITEM 5 USING "B LOCK WASHER (ITEM 11) AND "B-32X25 LG SCREW (ITEM 10) 2 PLACES.
 4. ATTACH THE LOGIC ASSY. (ITEM 6) TO THE BASE. LOCK THE SNAPSLIDE FASTENERS IN PLACE; 3 PLACES AS SHOWN.
 5. PLUG ONE END OF THE BACKPLANE CABLE (ITEM 14) INTO J6 OF LOGIC ASSY (ITEM 6). PLUG OTHER END OF CABLE INTO J5 OF PWR SUPPLY ASSY (ITEM 8).
 6. ATTACH THE CONSOLE CABLE (ITEM 20) TO THE BASE WITH THE CABLE TIE (ITEM 24) AS SHOWN IN DETAIL "A".
 7. ATTACH THE POWER SUPPLY (ITEM 8) TO THE BASE BY LATCHING THE HINGES.
 8. ATTACH THE BEZEL MOUNTING BRKTS. (ITEM 1) TO THE PWR. SUPPLY (ITEM 8) WITH 4 "B-32X.25LG SCREWS (ITEM 10) AND 4 LOCK WASHERS (ITEM 11).
 9. ATTACH THE BEZEL ASSY WITH SWITCHES (ITEM 2) TO THE BEZEL MTG BRKTS (ITEM 1) WITH 4 "B-32X.38LG SCRS (ITEM 19) AND 4 LOCK WASHERS (ITEM 11).
 10. PLUG ONE END OF THE CONSOLE CABLE (ITEM 20) INTO J6 OF THE POWER SUPPLY ASSY (ITEM 8). PLUG THE OTHER END OF THIS CABLE INTO J1 OF THE BEZEL ASSY WITH SWITCHES (ITEM 2).

NOTES CONTINUED ON SHEET 2 OF 2

CAUTION:
OFF SHEET PARTS LIST SEE
A-PL-BALL-R-B

REVISIONS		DATE		BY	
1	INITIALS	11/03/54	N	1	1
TITLE		BALL-R UNIT ASSY			
PARTS LIST		1 BALL-R UNIT ASSY			
DRAWN		NK 1			

1. REMOVE THE 4 SCREWS (ITEM #10) THAT ATTACH THE COVER TO THE BASE. THEY ARE FOR NON RACK MOUNTED APPLICATIONS.
2. OPEN THE FILTER HSG (ITEM #31) AND REMOVE THE SHIPPING SCREW (ITEM #19).
3. SLIDE THE COVER (ITEM #15) OFF THE UNIT.
4. ATTACH THE TINNERMEN NUTS TO THE CABINET UPRIGHTS 8 PLACES AS INDICATED ABOVE.
5. MOUNT THE COVER (ITEM #15) TO THE FRONT CABINET UPRIGHTS USING 4 PHL.TRUSS HD SCREWS #10-32X.50 LG.(ITEM #27) AND 4 #10 FLAT WASHERS (ITEM #26)
6. ATTACH THE 2 SUPPORT BRACKETS (ITEM #9) TO THE COVER USING 4 PHL. PAN HD. SCREWS #8-32X.3B LG. (ITEM #19) AND 4 #8 LOCK WASHERS (ITEM #11).
7. ATTACH THE SUPPORT BRACKETS (ITEM #9) TO THE REAR CABINET UPRIGHTS USING 4 PHL.TRUSS HD SCREWS #10-32X.50LG.(ITEM #27) AND 4 #10 FLAT WASHERS (ITEM #26).
8. SLIDE THE UNIT INTO THE COVER. IT WILL BE HELD IN PLACE BY THE SPRING BUTTON (ITEM #20). TO SLIDE THE UNIT FORWARD AGAIN IT WILL BE NECESSARY TO RELEASE THIS SPRING BUTTON.
9. IF THE SYSTEM IS TO BE MOVED OR SHIPPED THE SHIPPING SCREW (ITEM #19) MUST BE REPLACED.

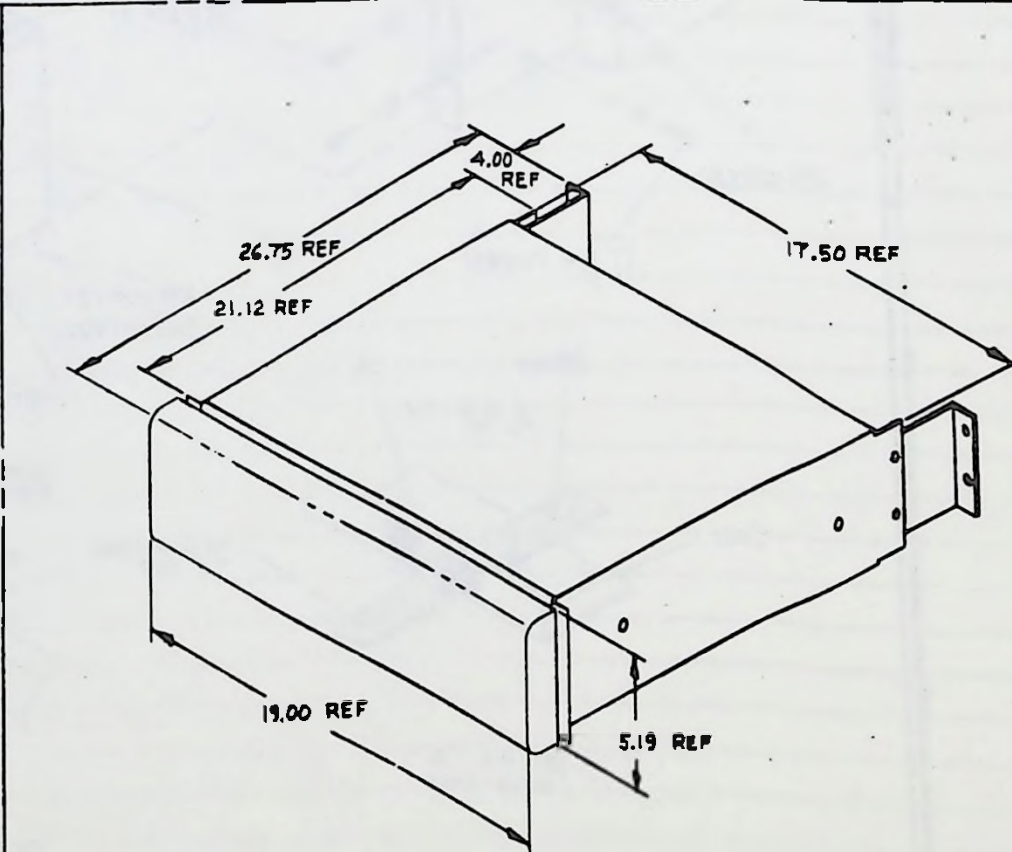
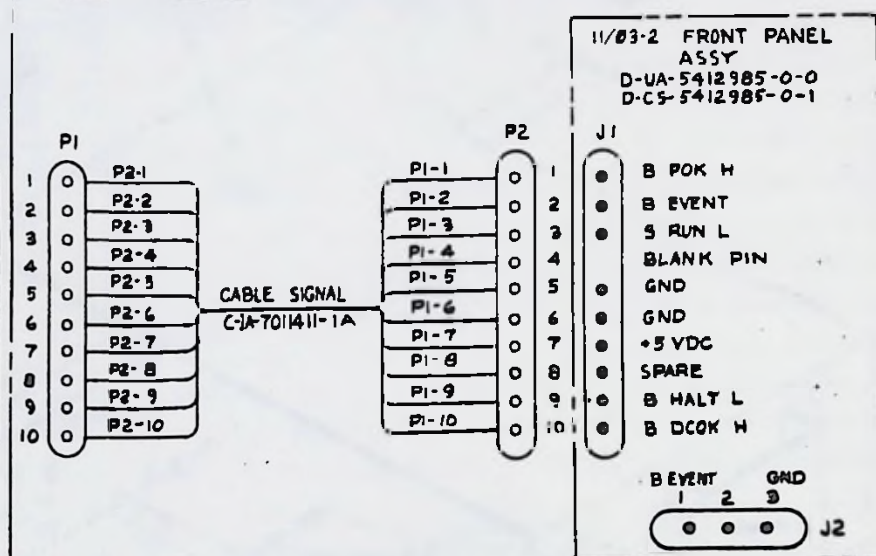


ASSEMBLY INSTRUCTIONS (CONT)

11. LOOSEN THE SCREWS ON CONNECTOR J2 OF THE PWR. SUPPLY ASSY (ITEM#1) AND ATTACH THE FANING STRIP END OF THE D.C. HARNESS (ITEM#3). TORQUE SCREWS TO 10 LBS. IN. ATTACH THE OTHER END OF THIS CABLE BY LOOSENING THE SCREWS ON CONN. J7 OF THE LOGIC AC (ITEM#6) AND INSERT THE END OF THE WIRE PER THE WIRING DIAGRAM ON SH#2 OF THIS PRINT. TORQUE THE SCREWS OF CONN J7 TO 10 LBS. IN.
12. SECURE THE D.C. HARNESS (ITEM#3) TO THE POWER SUPPLY WIRE FORM USING ONE TIE WRAP (ITEM#5).
13. ATTACH THE AC HARNESS (ITEM#2) BY PLUGGING: P1 OF THE HARNESS INTO LOG THE AC INPUT BOX (ITEM#7), P4 OF THE HARNESS INTO J1 OF THE PWR. SUPPLY (ITEM#8), P2 OF THE HARNESS INTO FAN NO.1 OF THE LOGIC ASSY (ITEM#6) AND P3 OF THE HARNESS INTO FAN NO. 2 OF THE LOGIC ASSY (ITEM#6).
14. SECURE THE AC HARNESS (ITEM#2) TO THE BASE WITH THE CABLE CLAMP (ITEM#18) AND A "0-32 KEPS NUT (ITEM#17). ALSO SECURE THE FAN CORD ATTACHED TO FAN NO.1 WITH A CABLE TIE (ITEM#24). SEE DETAIL "B" ON SHEET#4.
15. CLOSE THE PWR SUPPLY (ITEM#8) AND SECURE IT TO THE LOGIC ASSY (ITEM#6) WITH 2 "0-32 X .25 LG. SCREWS (ITEM#10) AND 2 LOCK WASHERS (ITEM#11).
16. SECURE THE SPRING BUTTON ASSY (ITEM#20) TO THE AC INPUT (ITEM#7) WITH 2 "4-40 X .14 LG SCWS (ITEM#22) AND 2 LOCK WASHERS (ITEM#21).

ASSY. INSTRUCTIONS (CONT)

17. SLIDE THE COVER (ITEM#15) OVER THE ASSY AND SECURE IT WITH 4 #0-92X.25LG SCREWS (ITEM#90) AND 4 LOCK WASHERS (ITEM#11).
18. OPEN THE FILTER HSG (ITEM#31) AND INSTALL THE SHIPPING SCREW # 32X.38 (ITEM#7) AND A LOCK WASHER (ITEM#11). CLOSE THE FILTER HSG (ITEM#31) AND SECURE THE TWO 1/4 TURN FASTENERS.
19. FILL OUT THE SERIAL LABEL (ITEM#23) BY TYPING AND ATTACH AS SHOWN. THE LEGEND ON SHEET #1 CONTAINS THE INFORMATION FOR EACH VARIATION.



UNIT WEIGHT 44 LB'S.

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY / VARIATION																
PARTS LIST																				
MADE BY Nelson Roy		CHECKED <i>W.F. McCarty</i>		SECTION 1																
DATE 3/8/78		DATE 16 JUNE 78		ISSUED SECT. 1																
ENG <i>H. Hamilton</i>		PROD <i>R. Hamilton</i>																		
DATE 16 JUNE 78		DATE 16 JUNE 78																		
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		BALL-RA	BALL-RB															
1	C-MD-7418573-0-0	BRACKET, BEZEL MOUNTING		2	2															
2	D-AD-7013949-0-0	BEZEL ASSEMBLY WITH SWITCHES		1	1															
3	1700083-02	LINE CORD (115V, 60 HZ)		1	-															
4	1700090-00	LINE CORD (250V, 50HZ)		-	1															
5	D-IA-7013734-0-0	BASIC LOGIC BOX		1	1															
6	E-UA-H9273-0-0	LOGIC ASSEMBLY (H9273)		1	1															
7	D-UA-H403-A-0	AC INPUT BOX (H403-A)		1	1															
8	D-UA-H786-0-0	POWER SUPPLY ASSEMBLY (H786)		1	1															
9	C-IA-7418276-0-0	BRACKET, SUPPORT		2	2															
10	9006035-01	SCR. PHL. HD PAN #8-32 x .25		12	12															
11	9006634-00	WASHER, LOCK #8		21	21															
12	D-IA-7014093-0-0	HARNESS, AC POWER		1	1															
13	C-IA-7014091-0-0	HARNESS, DC		1	1															
14	C-IA-7011411-0K-0	CABLE BACKPLANE		1	1															
15	E-IA-7418275-0-0	COVER, LOGIC BOX		1	1															
16	9008196-00	RECEPTACLE, 1/4 TURN		2	2															
17	9006563-00	NUT, KEPS #8 - 32		2	2															
18	9007082-00	CABLE CLAMP .31 DIA		1	1															
19	9006037-01	SCR, PHL. HD, PAN #8 - 32 x .38		9	9															
20	C-IA-7014240-0-0	SPRING, BUTTON ASSEMBLY		1	1															
21	9006632-00	WASHER, LOCK INT. TOOTH #4		2	2															
22	9008032-01	SCREW, PHL. HD, PAN #4-40 x .19		2	2															
TITLE		ASSY NO.		SIZE	CODE	NUMBER		REV.		ECO NO.										
UNIT ASSEMBLY BALL-R		E-UA-BALL-R-0		A	PL	BALL-R-0														
SHEET 1		OF 2		DIST.																

DEC FORM DEC 16-(325)-1031-N870
DRA 110

MK

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY / VARIATION																
PARTS LIST																				
MADE BY Nelson Roy		CHECKED <i>W.F. McCarty</i>		SECTION 1																
DATE 3/8/78		DATE 16 JUNE 78		ISSUED SECT. 1																
ENG <i>H. Hamilton</i>		PROD <i>R. Hamilton</i>																		
DATE 16 JUNE 78		DATE 16 JUNE 78																		
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		BALL-RA	BALL-RB															
23	3612450-00	LABEL, SERIAL		1	1															
24	9007880-00	TIE, CABLE, SST 1.5M		3	3															
25	9007786-00	NUT, TINNEMAN #10 x 32		8	8															
26	9007651-00	WASHER, LOCK, EXT TOOTH #10		8	8															
27	9006073-03	SCR. PHL. TRUSS HD, #10 - 32 x .50		8	8															
28	C-IA-7011411-1A-0	CABLE CONSOLE		1	1															
29	9008343-00	FASTENER, 1/4 TURN		2	2															
30	9008200-00	RETAINER, 1/4 TURN		2	2															
31	D-IA-7013521-0-0	FILTER HOUSING ASSEMBLY		1	1															
32	9008404-02	SCREW, PHL. FLAT HD #6-32 x .31		2	2															
33	B-MD-7414197-0-0	COVER PLATE		5	5															
34	9006010-01	SCR, PHL PAN HD #6-32 x .31 LG		10	10															
35	9006633-00	WASHER, INT TOOTH LOCK, #6		10	10															
36	3700133-00	PACKAGING INSTRUCTIONS (INTERPLANT)		1	1															
37	3700061-00	PACKAGING INSTRUCTIONS (CUSTOMER)		1	1															
TITLE		ASSY NO.		SIZE	CODE	NUMBER		REV.		ECO NO.										
UNIT ASSEMBLY BALL-R		E-UA-BALL-R-0		A	PL	BALL-R-0														
SHEET 2		OF 2		DIST.																

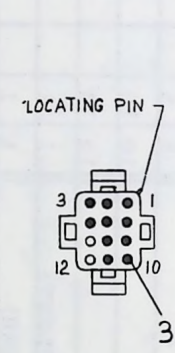
DEC FORM DEC 16-(325)-1031-N870
DRA 110

MK

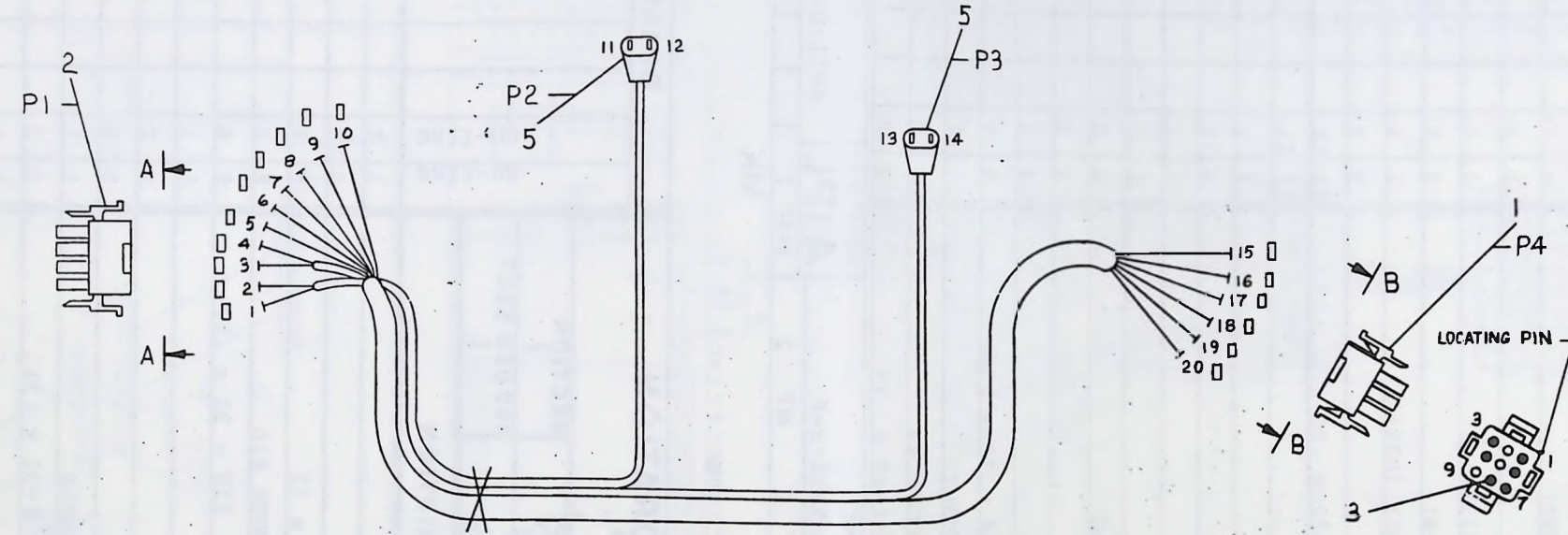
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WIRE TABLE								
ITEM NO	DESCRIPTION	FROM			TO			TERM
AWG	COLOR	POINT	CONN	TERM	POINT	CONN	TERM	
5	18	BLK	1	PI-10	2	13	P3	
			2	PI-7		14	P3	
5			3	PI-11		11	P2	
	18	BLK	4	PI-8		12	P2	
10	14	BLK	5	PI-4		19	P4-4	3
4	14	BLU	6	PI-5		17	P4-8	
11	14	BRN	7	PI-6		16	P4-6	
7	18	BLK	8	PI-1		18	P4-1	
9	18	GRN/YEL	9	PI-2		20	P4-7	
8	18	BRN	10	PI-3	3	15	P4-3	3

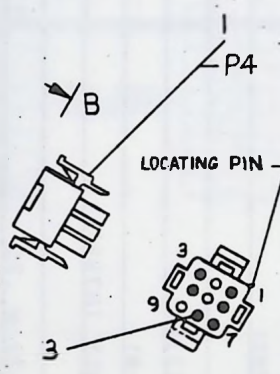
NOTES:
1. USE TIE WRAPS (X) ITEM #6 APPROXIMATELY AS SHOWN.



VIEW A-A
SCALE: 1/1
WIRING SIDE



DO NOT REDUCE
FOR MANUFACTURING PURPOSES ONLY



VIEW B-B
SCALE: 1/1
WIRING SIDE

REV.	CHG.	NO.	DATE	BY	CHK.
1		1	10/10/77	J. M. ASHER	
2		2	10/10/77	J. M. ASHER	
3		3	10/10/77	J. M. ASHER	
4		4	10/10/77	J. M. ASHER	
5		5	10/10/77	J. M. ASHER	
6		6	10/10/77	J. M. ASHER	
7		7	10/10/77	J. M. ASHER	
8		8	10/10/77	J. M. ASHER	
9		9	10/10/77	J. M. ASHER	
10		10	10/10/77	J. M. ASHER	

QTY	SYM	DESCRIPTION	ITEM NO.
1		1/4" TUBING, EXTRUDED	9107245-00
1		1/4" WIRE, 14 AWG 300V (BRN)	9107787-11
1		WIRE, 14 AWG (BLK)	9107370-00
1		WIRE, 18 AWG (GRN/YEL)	9107410-54
1		WIRE, 18 AWG 300V (BRN)	9107786-11
1		WIRE, 18 AWG (BLK)	9107360-00
1	X	1 TIE, CABLE, 56T 1, M	9007031-00
2		2 PLUG CORD ASSY	1210283-00
1		1/4" WIRE, 14 AWG 300V (BLU)	9107783-66
1		16 PIN, FEMALE	1212170-01
1		1 CONN, MATE-N-LOK 12 PIN	1212167-03
1		1 CONN, MATE-N-LOK 9 PIN	1212167-04

THIRD ANGLE PROJECTION

REMOVE ALL BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

ANGLES 25° 30°

SURFACE QUALITY IN

QUANTITY & VARIATION

DRN: J. M. ASHER

CHK'D: J. M. ASHER

ENG: J. M. ASHER

PROD. R. J. ASHER

DATE: 10/10/77

SCALE: 1/1

SHEET 1 OF 1

FIRST USED ON: BAI1-N

TITLE: HARNESS AC POWER

SIZE: D

CODE: 1A7014093-0-0

NUMBER: 1

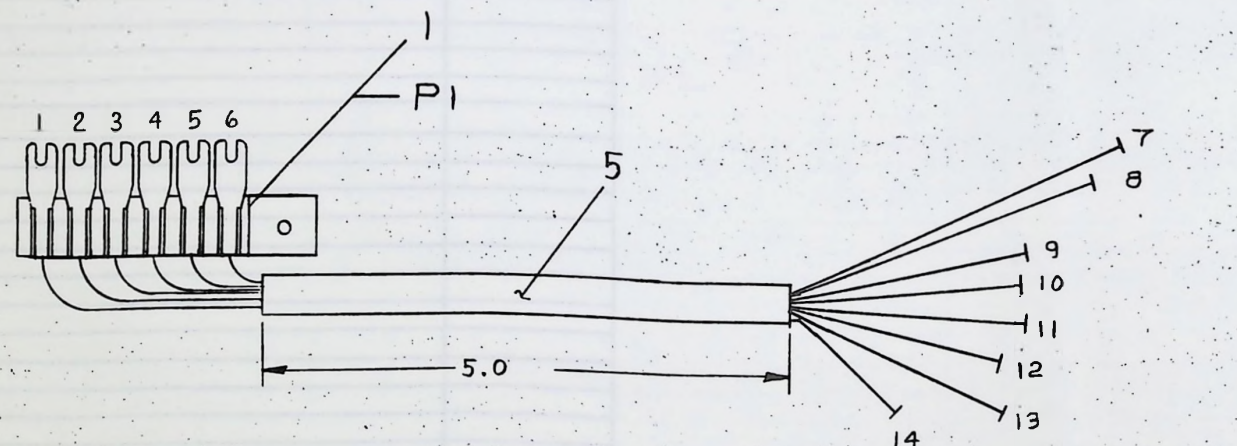
REV: B

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WIRE TABLE								
ITEM NO	DESCRIPTION		FROM			TO		
	AWG	COLOR	POINT	CONN.	TERM	POINT	CONN (REF)	TERM (REF)
3	14	RED	—	PI-1	SOLDER	9	J7	5
3		RED	—			11		5
3		RED	—			7		8
2		BLK	—	PI-3		8		7
1		BLK	—	PI-4		10		4
1		BLK	—			13		4
2		BLK	—	PI-5		12		3
4	14	VIO	—	PI-6	SOLDER	14	J7	2

NOTES:

1. STRIP INSULATION BACK .38 INCH. POINTS 7-14



DO NOT REDUCE

0 IN 3 IN 6 IN 9 IN 12 IN

FOR MANUFACTURING PURPOSES ONLY

A/R	TUBING EXTRUDED .375 I.D.	9107245-00	5
A/R	WIRE, #14 AWG STRD (VIO)	9107370-77	4
A/R	WIRE, #14 AWG STRD (RED)	9107370-22	3
A/R	WIRE, #14 AWG STRD (BLK)	9107370-00	2
1	STRIP, CONNECTOR, (6 POSITION)	1212698-00	1

DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES			
		OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 80.0
SURFACE QUALITY IN MICROINCHES	MEDIUM ☐	±.004	±.008	±.012	±.016
	PREFERRED ☐	±.012	±.016	±.025	±.04

THIRD ANGLE PROJECTION	DRN. <i>B. B. B.</i> 12 APR 77	FIRST USED ON	BALL-N
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>J. F.</i> 22 APR 77	TITLE	HARNESS, D.C.
DO NOT SCALE DWG	ENG. <i>J. F.</i> 1 JUNE 77	SIZE	C
MATERIAL SEE PARTS LIST	PROJ. ENG. <i>J. F.</i> 1 JUNE 77	CODE	IA
FINISH	PROD. <i>R. H.</i> 15 JUNE 77	NUMBER	7014091-0-0
	NEXT HIGHER ASSY.	REV.	B
	E-VA-BALL-N-0		
	SCALE 1/1		
	SHEET 1 OF 1		

REV.	CHANGE NO.	DATE	BY
A	1	16 AUG 77	J. KALAGHER
B	2	17 AUG 77	J. KALAGHER
C	3	19 DEC 77	STEVE KITTLE
D	4	22 DEC 77	J. KALAGHER

MANUFACTURE P.1888

DEC FORM 100-C

DRAWING DIRECTORY

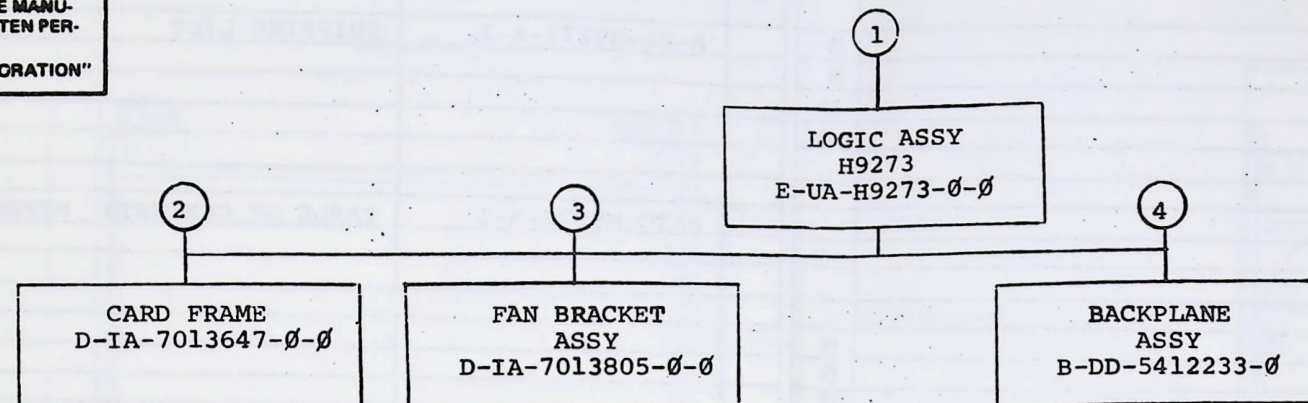
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UNIT VARIATIONS

[illegible]

REVISIONS		USED ON OPTION/MODEL		DRN.	DATE		TITLE	
CHK	CHANGE NO.	REV.		H9273	V. SOUZA	22 77	LOGIC ASSY	
JA	H9273-1	A			CHK'D.	APR	H9273	
ER	H9273-2	B			J. Salkowski	2 MAY 77	digital	
					PROJ. ENG.	DATE	SIZE	CODE
					J. Kellogg	9 SEP 77	B	DD
					PROD.	DATE	NUMBER	
					R Hamilton	9 SEP 77	H9273-0	
SHEET 1 OF 3							DIST.	REV
								B

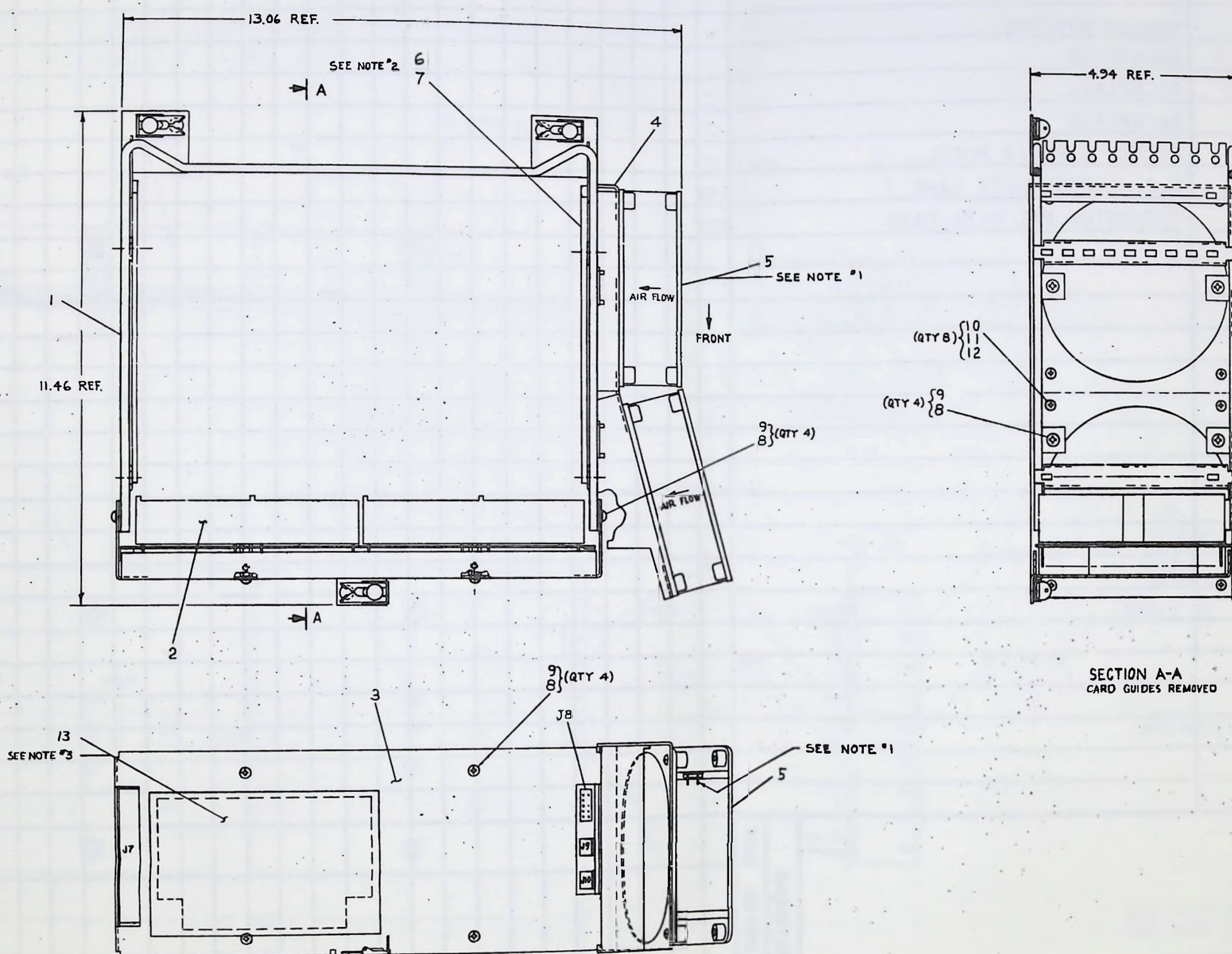
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TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
LOGIC ASSY H9273		B DD	H9273 - 0	B

NOTES:

1. MOUNT FANS SO THAT THE TERMINALS ARE ON THE TOP TOWARDS THE FRONT.
2. 5 NATURAL CARD GUIDES (ITEM '7') AND 4 MEGENTA CARD GUIDES (ITEM '6') ON EACH SIDE. INSTALL SO COLORS ALTERNATE.
3. DECAL MUST COVER SILK SCREENING COMPLETELY

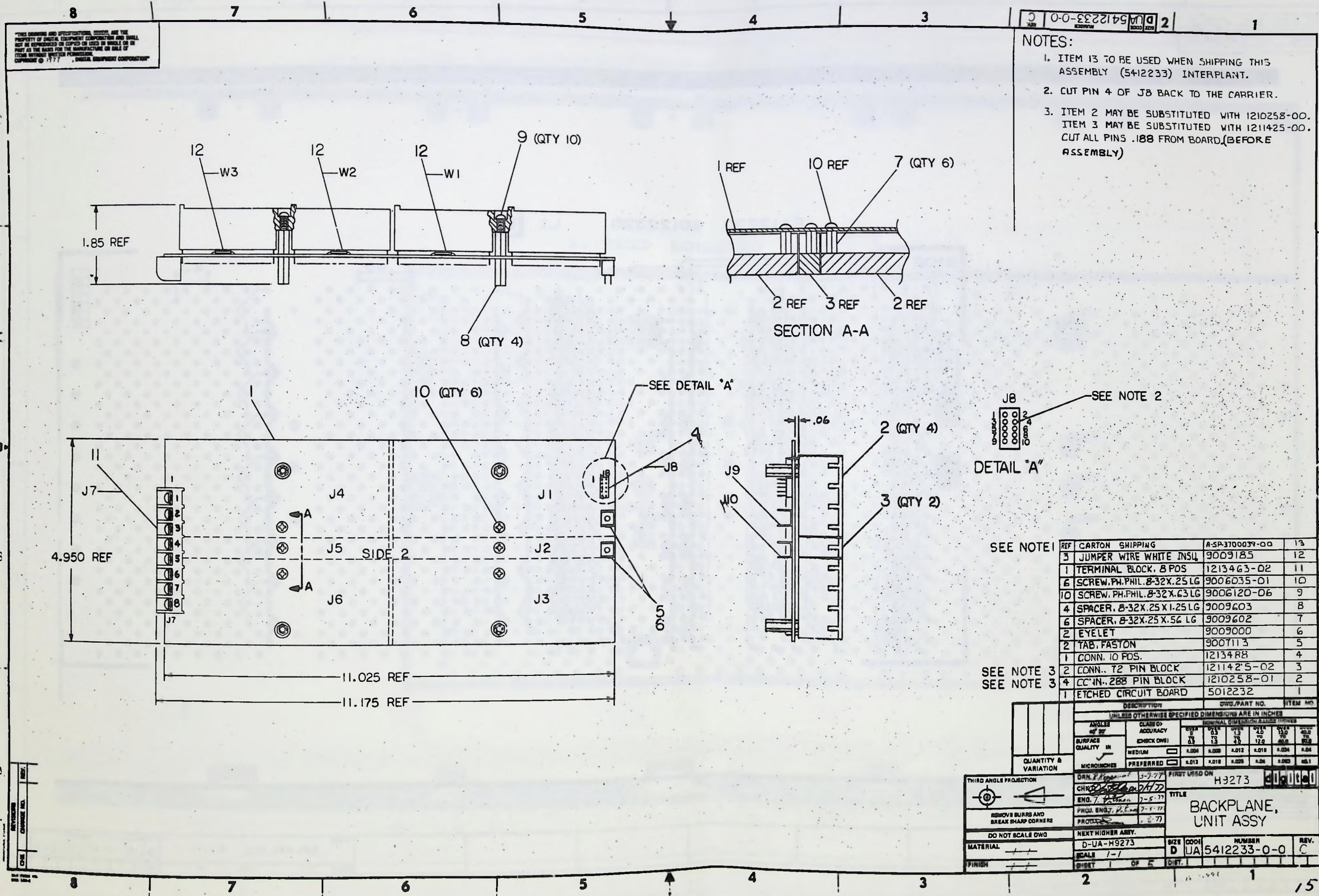


SECTION A-A
CARD GUIDES REMOVED

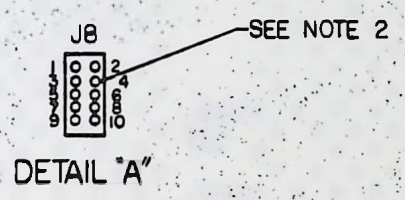
1	-	PACKAGING INSTRUCTIONS	ASP370C3B4-00	14
1	-	CLIP, IDENTIFICATION	361551700	13
1	-	DEAL, MOUNTING	9009165-00	12
1	-	WASHER, LOCK,INT. TOOTH *6	90061633-00	11
1	-	SCR, PHL. PAN HD "6-32X.62	9006025-01	10
8	12	WASHER, LOCK INT. TOOTH *8	9006634-00	9
8	12	SCR, PHL. PAN HD "8-32 X.38	9006037-01	8
10	10	GUIDE, CARD (NATURAL)	1212405-08	7
8	8	GUIDE, CARD (MAGENTA)	1212405-04	6
1	-	BRK. PAN.	1218185-00	5
1	-	FRONT, FAN MTG	D-1A-701305-0-0	4
1	-	BRACKET, BACKPLANE	D-1A-7418122-0-0	3
1	-	BACKPLANE ASSY	D-1A-5412233-0-0	2
1	-	CARD FRAME ASSY	D-1A-701317-0-0	1

19273-A 19273-B		DESCRIPTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		QUANTITY PART ITEM NO.	
QUANTITY & VARIATION		MIDDLE OF SP. RANGE OF LOCATION QUALITY IN MEDIUM MICROSCOPES			
THIRD ANGLE PROJECTION 		DRX. 19273-B DRX. 19273-A ENG. 19273-B PROJ. ENG. 19273-B PROJ. 19273-B		FIRST LEAD ON 19273-B 19273-A	
RECEIVE BLINDS AND DISAS. BLIND COILS		TITLE H9273 LOGIC ASSY			
DO NOT SCALE DOWNS SEE PARTS LIST		NOT REVISIONS ABBV. SCALE 1/1 SHEET 01		REV. 01 19273-0-0 REV. B	

DATE	CHARGE NO.	REV.
11/14	H9273-00001	A
STREET NAME & ADDR		
J KALAGHER		
CITY STATE & ZIP		
H9273-00002 B		
Suburban 7-8-78		
AAMVQ		
C. J. Carver		



- NOTES:
- ITEM 13 TO BE USED WHEN SHIPPING THIS ASSEMBLY (5412233) INTERPLANT.
 - CUT PIN 4 OF JB BACK TO THE CARRIER.
 - ITEM 2 MAY BE SUBSTITUTED WITH 1210258-00. ITEM 3 MAY BE SUBSTITUTED WITH 1211425-00. CUT ALL PINS .188 FROM BOARD (BEFORE ASSEMBLY)



SEE NOTE 1

REF	DESCRIPTION	QTY	PART NO.
1	CARTON SHIPPING	1	A-SP-3700039-00
3	JUMPER WIRE WHITE INSUL	12	9009185
1	TERMINAL BLOCK, 8 POS	11	1213463-02
6	SCREW, PH. PHIL. 8-32 X .25 LG	10	9006035-01
10	SCREW, PH. PHIL. 8-32 X .63 LG	9	9006120-06
4	SPACER, 8-32 X .25 X 1.25 LG	8	9009603
6	SPACER, 8-32 X .25 X .56 LG	7	9009602
2	EYELET	6	9009000
2	TAB, FASTON	5	9007113
1	CONN. 10 POS.	4	1213468
2	CONN. 12 PIN BLOCK	3	1211425-02
4	CONN. 288 PIN BLOCK	2	1210258-01
1	ETCHED CIRCUIT BOARD	1	5012232

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL: D-UA-H9273

FINISH: 1-1

SCALE: 1-1

DATE: 1-1

BY: 1-1

CHKD: 1-1

ENG: 1-1

PROD: 1-1

QUANTITY & VARIATION

DESCRIPTION

QTY

PART NO.

ITEM NO.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

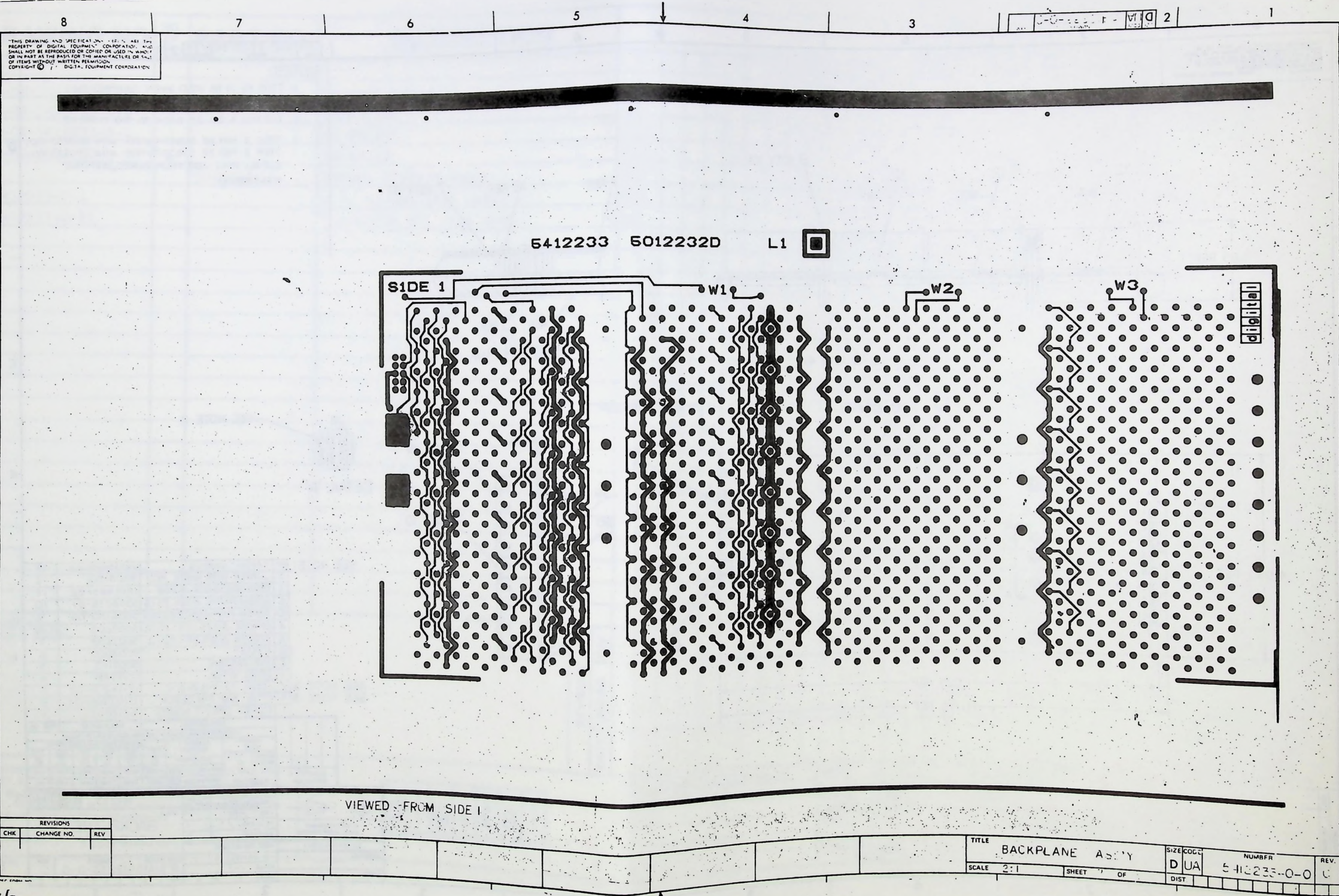
CLASS OF ACCURACY	CLASS OF SURFACE QUALITY	CLASS OF FINISH	CLASS OF TOLERANCE
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10

TITLE: BACKPLANE, UNIT ASSY

NUMBER: 5412233-0-0

REV: C

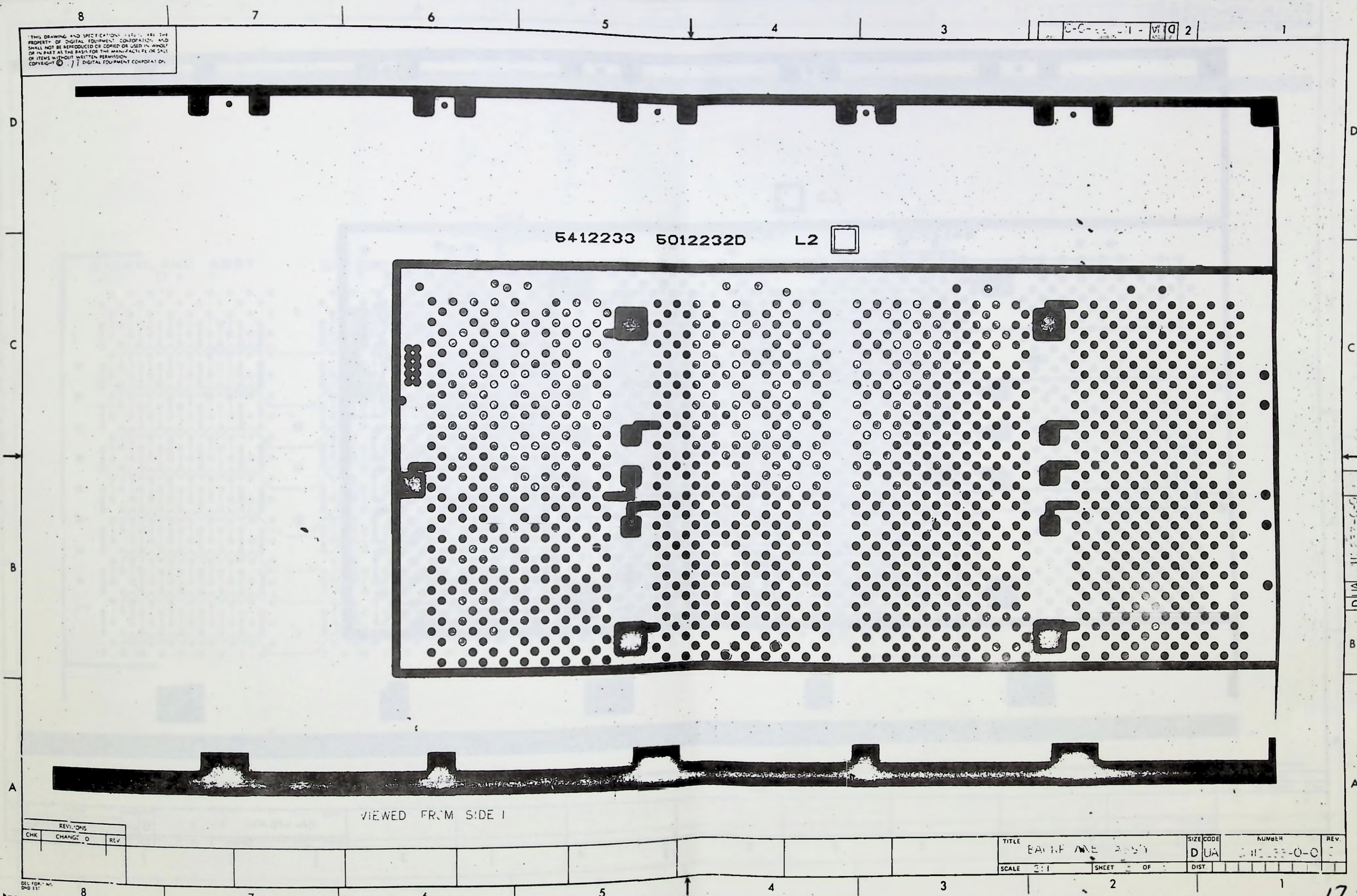
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REVISIONS		
CHK	CHANGE NO.	REV

TITLE BACKPLANE ASSY		SIZE DUA	NUMBER 5412233-0-0	REV. C
SCALE 2:1	SHEET OF	DIST		

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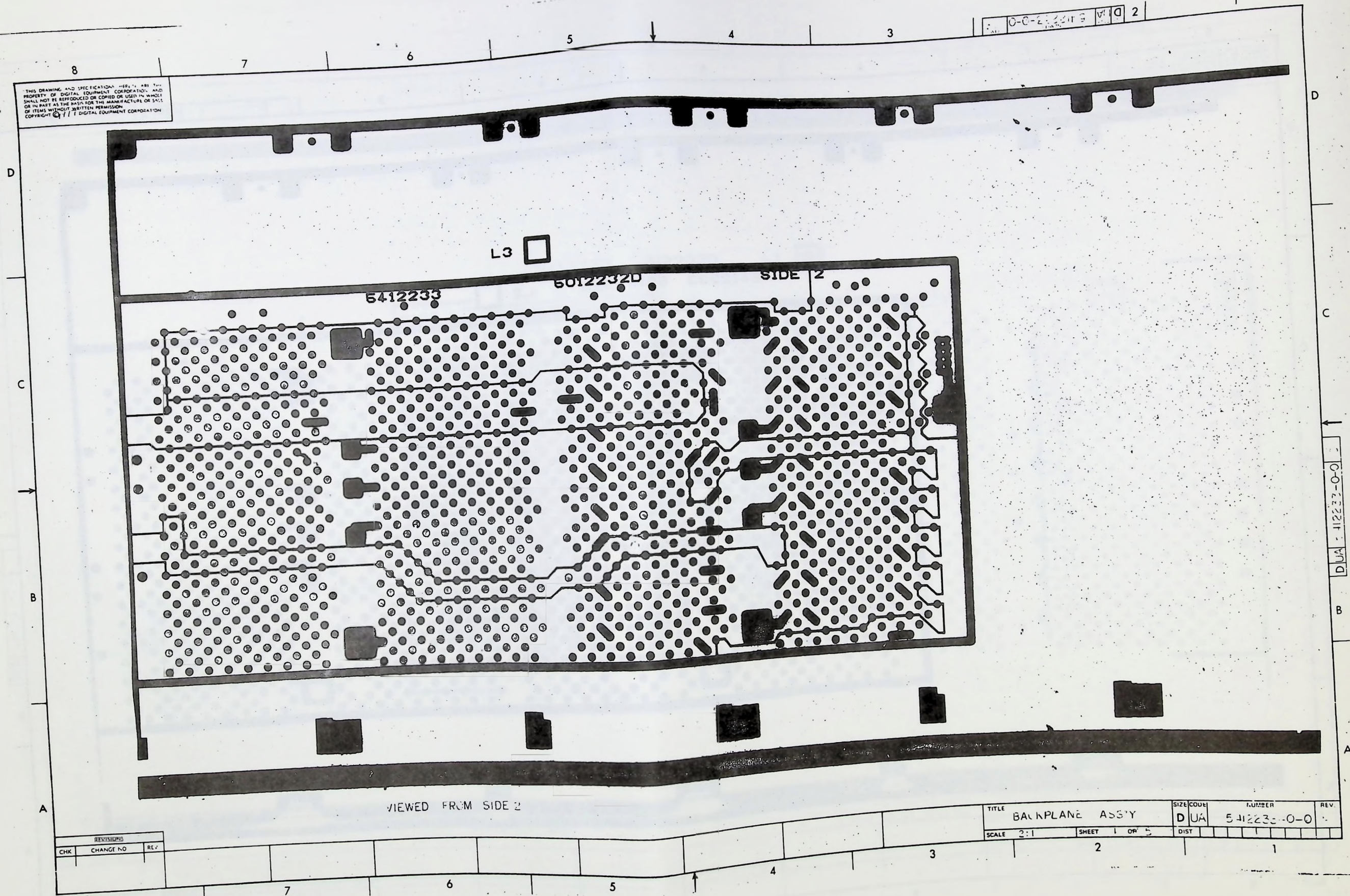


VIEWED FROM SIDE 1

REVISIONS		
CHK	CHANGE	REV
	0	0

TITLE	BOARD NAME	P-50	SIZE CODE	DUA	NUMBER	011133-0-0	REV.	C
SCALE	2:1	SHEET	OF	2	DIST			

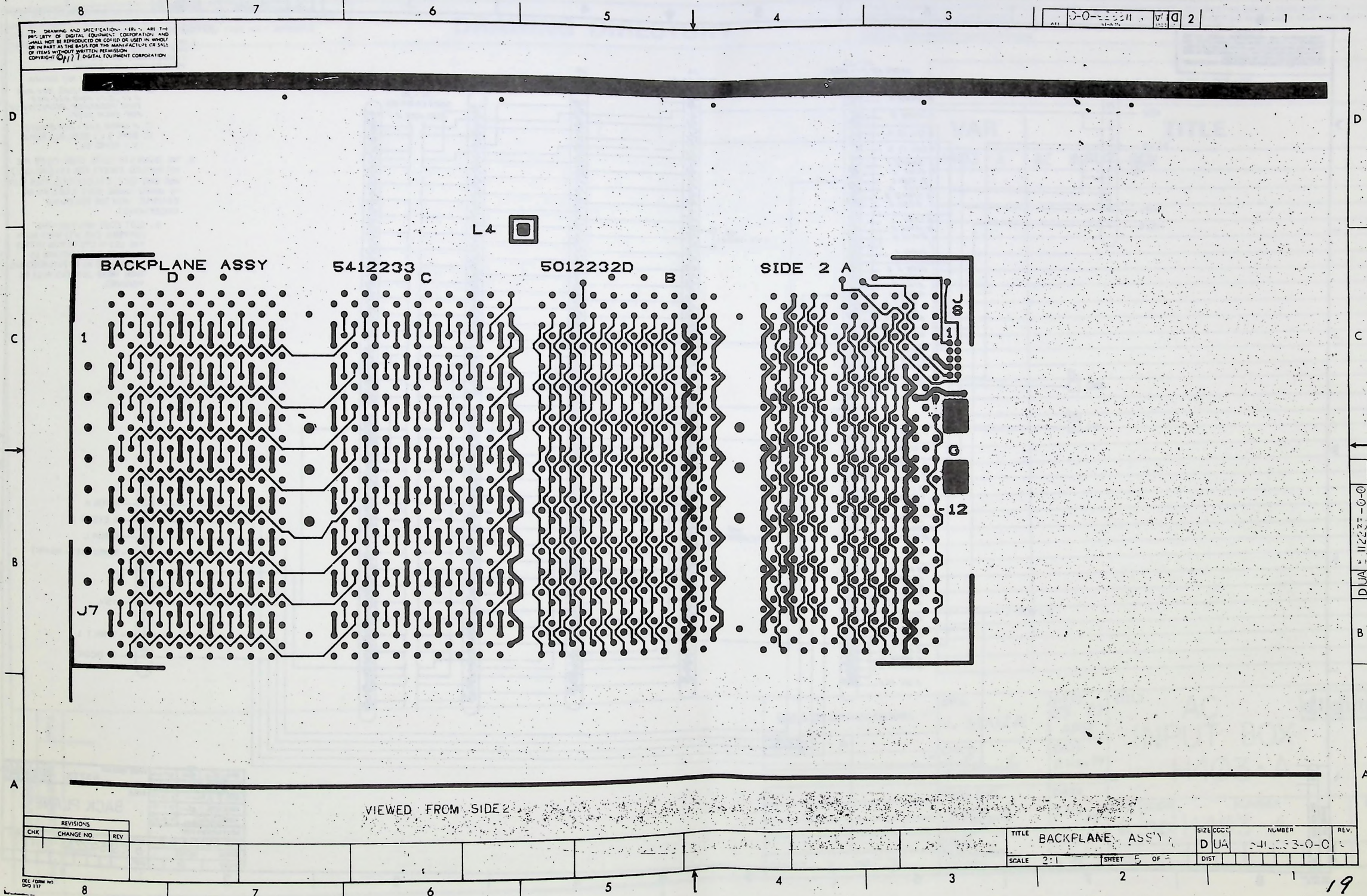
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REVISIONS		
CHK	CHANGE NO	REV

TITLE	BACKPLANE ASSY	SIZE/COU	DUA	NUMBER	5412233-0-0	REV	
SCALE	2:1	SHEET	1 OF 5	DIST			

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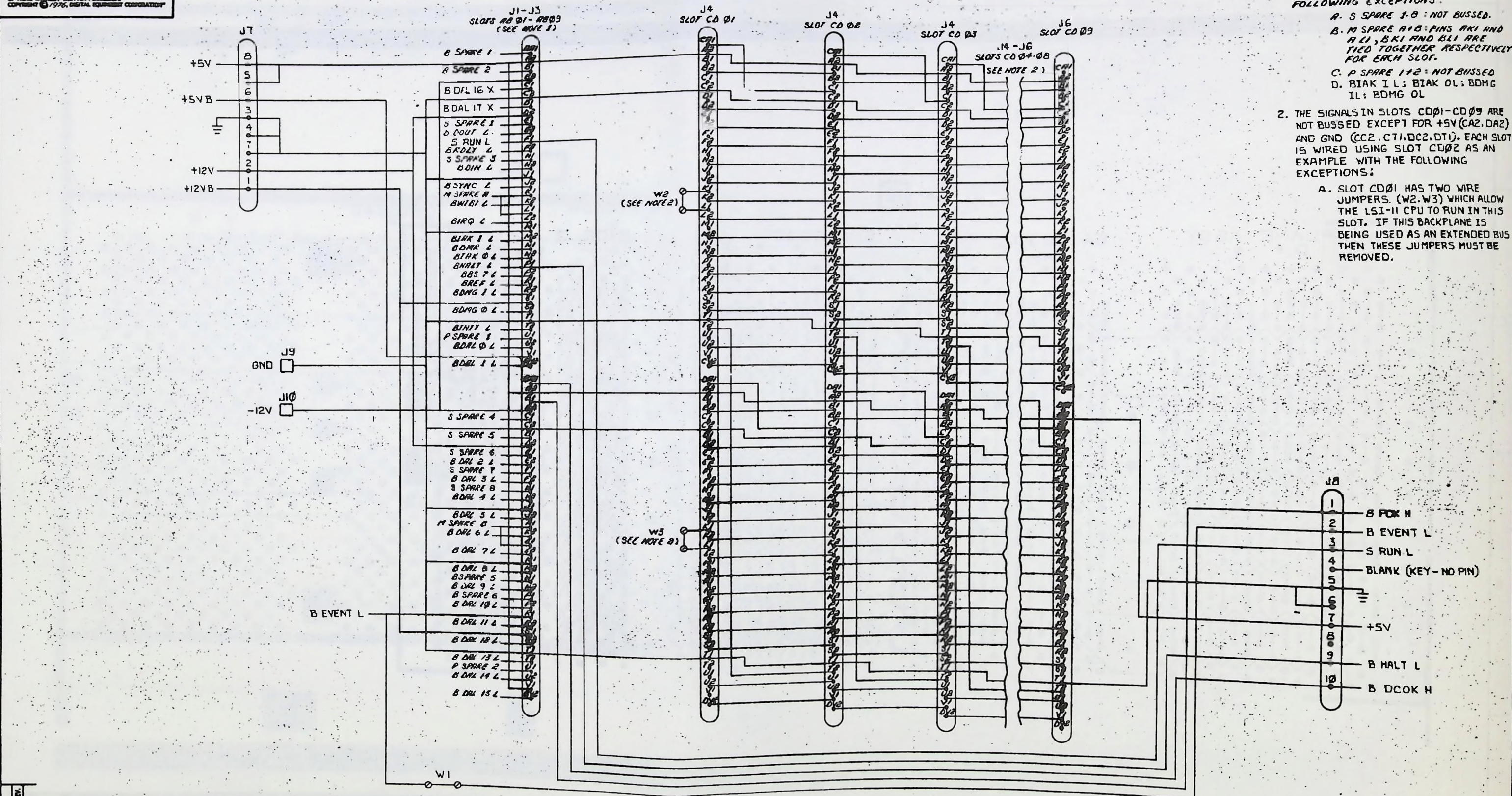


REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER		REV.
BACKPLANE ASSY		D	UA	5412233-0-0		
SCALE	2:1	SHEET	5	OF	5	DIST

DUA 5412233-0-0

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NOTES:

1. ALL SIGNALS IN SLOTS AS D1-AB09 ARE BUSSED TO EACH SLOT OF CONNECTORS J1-J3 WITH THE FOLLOWING EXCEPTIONS:

- A. S SPARE 1-8: NOT BUSSED.
- B. M SPARE 1-8: PINS AK1 AND AL1, BK1 AND BL1 ARE TIED TOGETHER RESPECTIVELY FOR EACH SLOT.
- C. P SPARE 1-2: NOT BUSSED.
- D. BIAK 1 L; BIAK 0 L; BDMG 1 L; BDMG 0 L

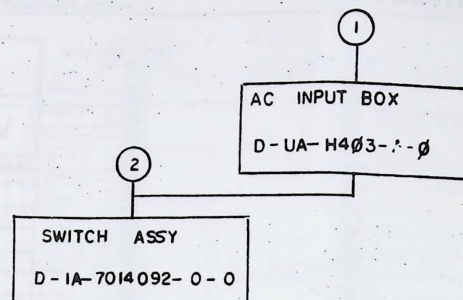
2. THE SIGNALS IN SLOTS CD01-CD09 ARE NOT BUSSED EXCEPT FOR +5V (CA2, DA2) AND GND (CC2, CT1, DC2, DT1). EACH SLOT IS WIRED USING SLOT CD02 AS AN EXAMPLE WITH THE FOLLOWING EXCEPTIONS:

- A. SLOT CD01 HAS TWO WIRE JUMPERS (W2, W3) WHICH ALLOW THE LSI-11 CPU TO RUN IN THIS SLOT. IF THIS BACKPLANE IS BEING USED AS AN EXTENDED BUS THEN THESE JUMPERS MUST BE REMOVED.

DRN. <i>[Signature]</i>	7/1/76	FIRST USED ON	H92T3
CHKD. <i>[Signature]</i>	7/1/76	TITLE	BACK PLANE
ENG. <i>[Signature]</i>	7-5-77	SIZE	D
PROD. <i>[Signature]</i>	7-5-77	CODE	CS
NEXT HIGHER ASSY.		NUMBER	5412233-0-1
D-UR-5412233-0-0		REV.	C
SCALE NONE		SHEET	1 OF 1
DIST.			

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[illegible][illegible]



DRB 107

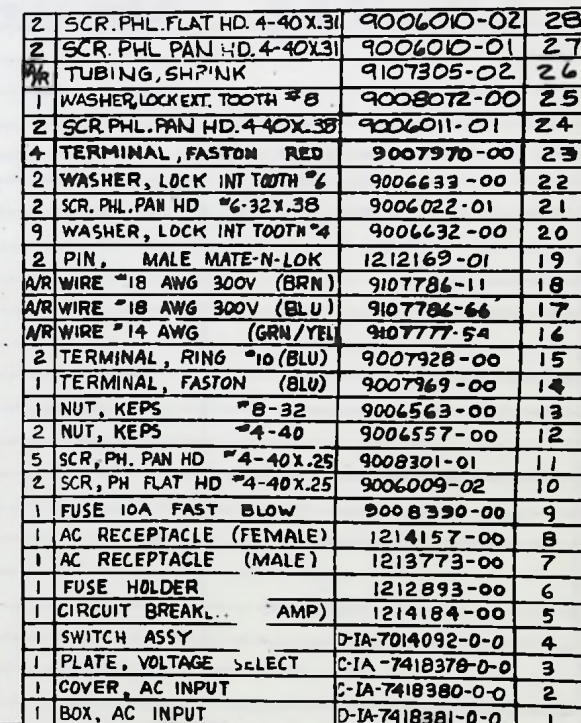
22

TITLE	SHEET	SIZE	CODE	NUMBER	REV
AC INPUT BOX H403-A	2 OF 3	B	DD	H403-A	

[illegible]

NOTES:

1. MOUNT SWITCH AS SHOWN SO THAT WITH SWITCH LEVER DOWN 115V IS INDICATED ON TOP

[illegible]

THIRD ANGLE PROJECTION

REMOVE BURRS
BREAK SHARP CORNERS

DO NOT SCALE

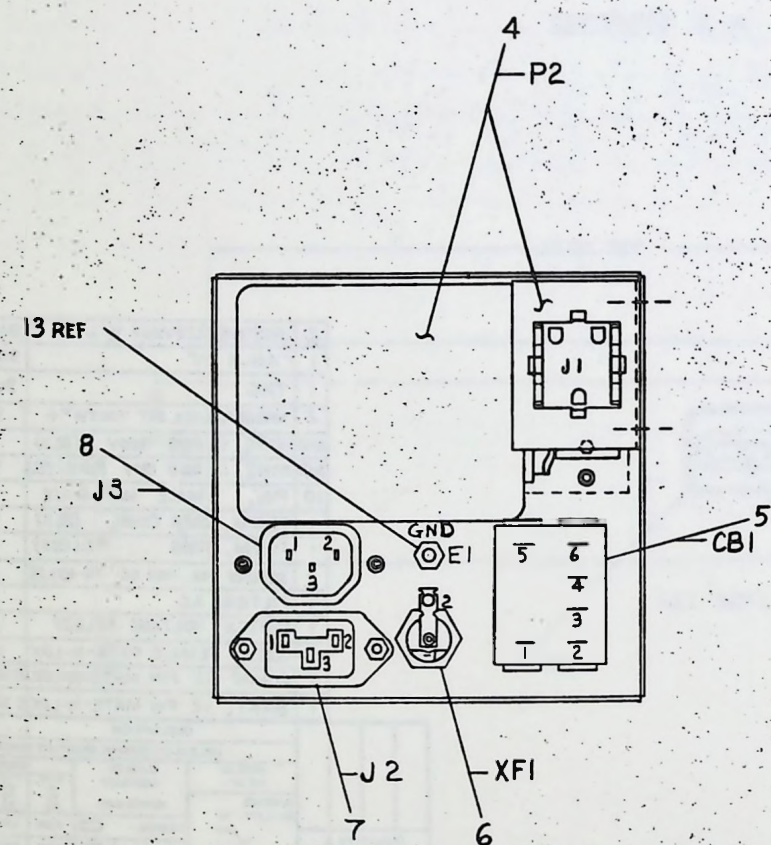
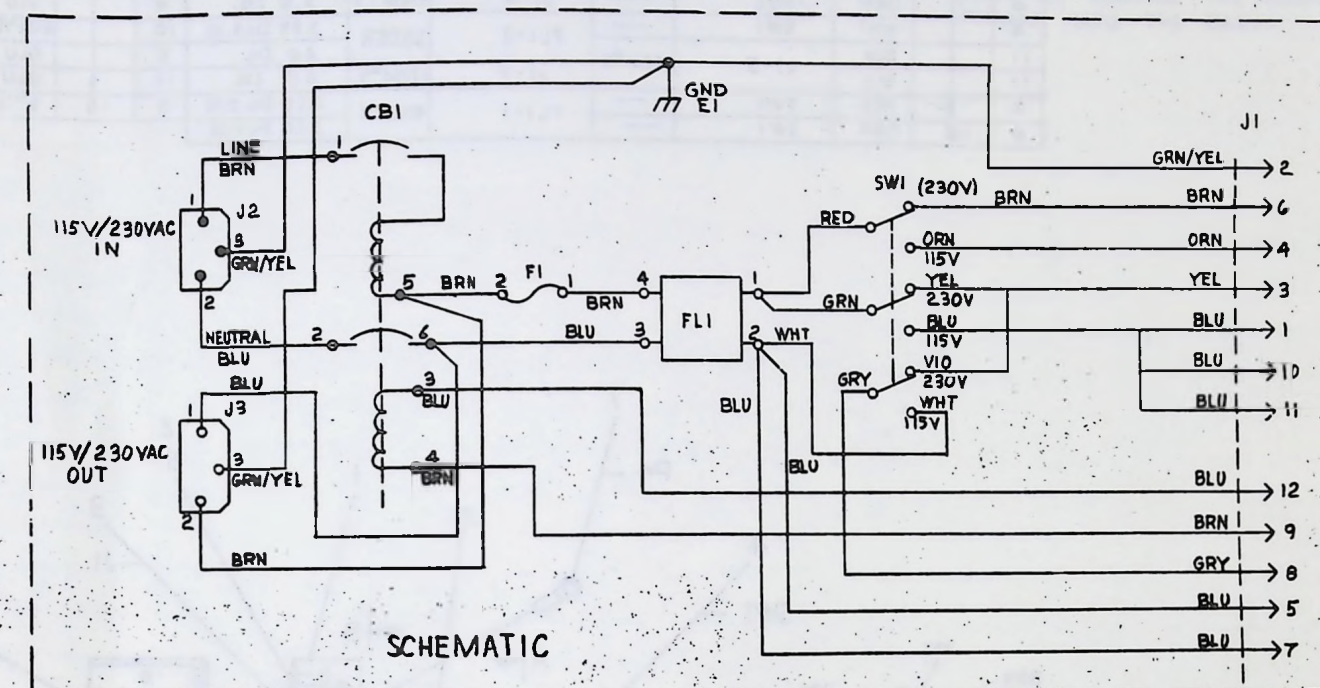
MATERIAL
SEE PARTS LIST

FINISH

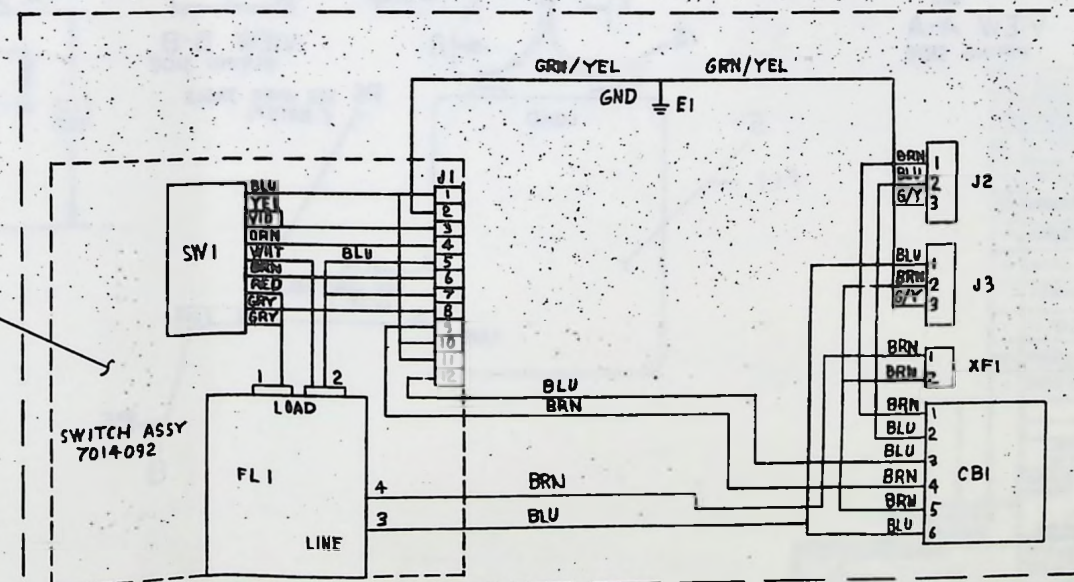
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WIRE TABLE						
ITEM NO	AWG	COLOR	FROM	TERM	TO	
16	14	GRN/YEL	J3-3	SOLDER	15	2.25
16	14	GRN/YEL	J2-3	SOLDER	GND (E1)	2.25
4	18	GRN/YEL	P2 (J1-2)			
18		BRN	J2-1	SOLDER	CB1-1	5.50
18		BRN	J3-2	SOLDER	CB1-5	4.75
18		BRN	XF1-2	SOLDER	CB1-5	3.00
17		BLU	J2-2	SOLDER	CB1-2	4.50
17		BLU	P2 (J1-12)		CB1-3	4.00
18		BRN	P2 (J1-9)		CB1-4	4.00
4		BRN	P2 (FL1-4)		XF1-1	
4		BLU	P2 (FL1-3)			
4	18	BLU	J3-1	SOLDER	CB1-6	



4
P2 REF



WIRING DIAGRAM

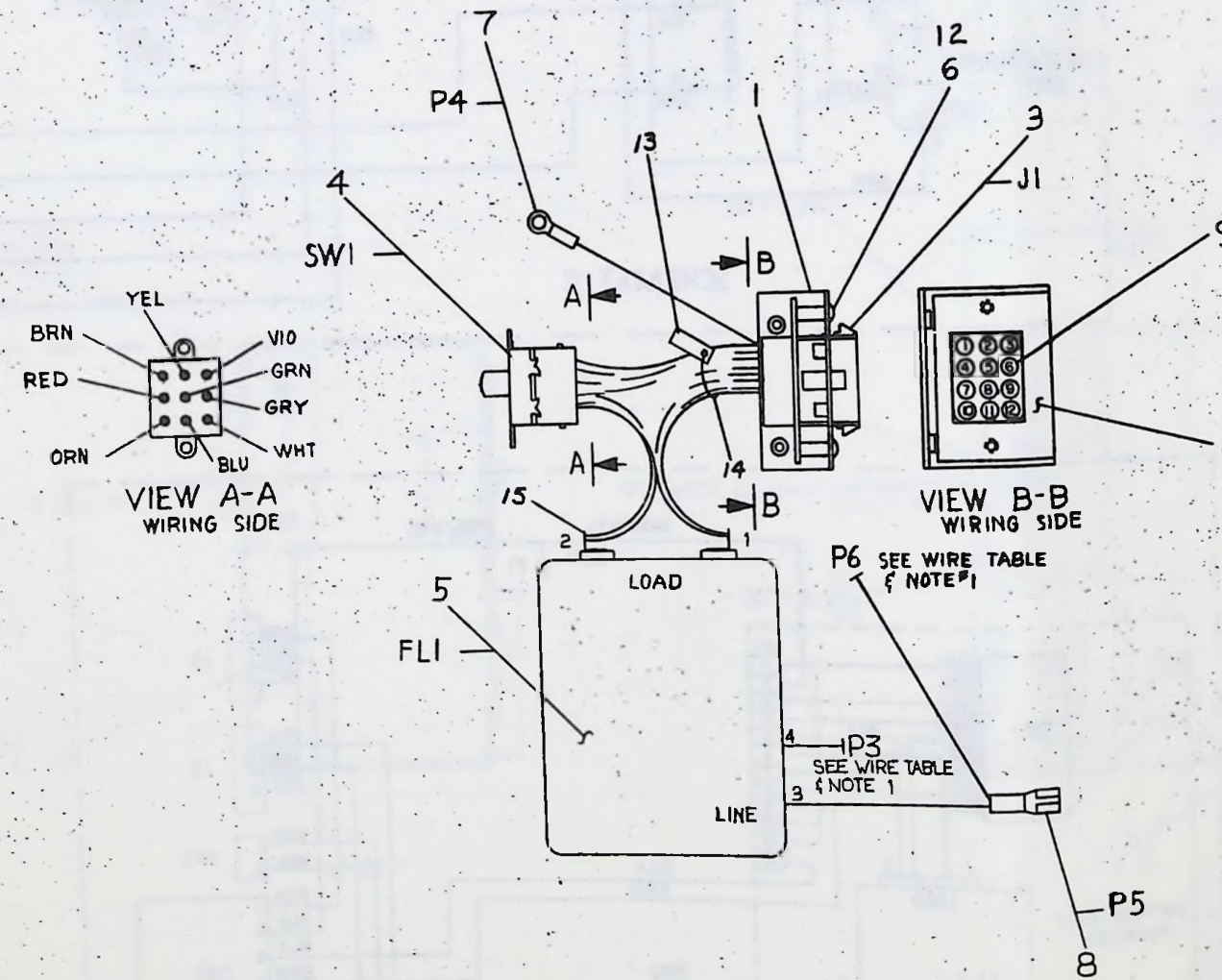
REV.	CHANGE NO.	CHK.

TITLE	AC INPUT BOX H403-A	DUA H403-A-0	REV.	A
SCALE	1/1	SHEET 2 OF 2	DIST.	

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[illegible]

NOTES:
1. STRIP INSULATION 1/4 INCH AND THIN.



2	SHRINK SLEEVING 1/2 LG.	9107253-00	15
1	CABLE TIE	9007031	14
1	TAG	9009532	13
2	WASHER, LOCK INT TOOTH *4	9006632-00	12
A/R	WIRE, 18 AWG 300V (BLU)	9107786-66	11
A/R	WIRE, 18 AWG 150V (GRN/YEL)	9107410-54	10
10	PIN, MALE MATE-N-LOK	1212169-01	9
1	TERM, QUICK CONN, (BLU)	9007969-00	8
1	TERM, RING "10 (RED)	9007930-00	7
2	SCREW PHL. PAN HD #4-40X25	9008301-01	6
1	FILTER, AC	1214189-00	5
1	SWITCH, VOLTAGE SELECT	1214155-00	4
1	CONN, FEMALE MATE-N-LOK	1212168-03	3
1	CLAMP 12 PIN MATE-N-LOK	C-1A-7418377-0-0	2
1	BRKT, 12 PIN MATE-N-LOK	C-1A-7418379-0-0	1

[illegible]

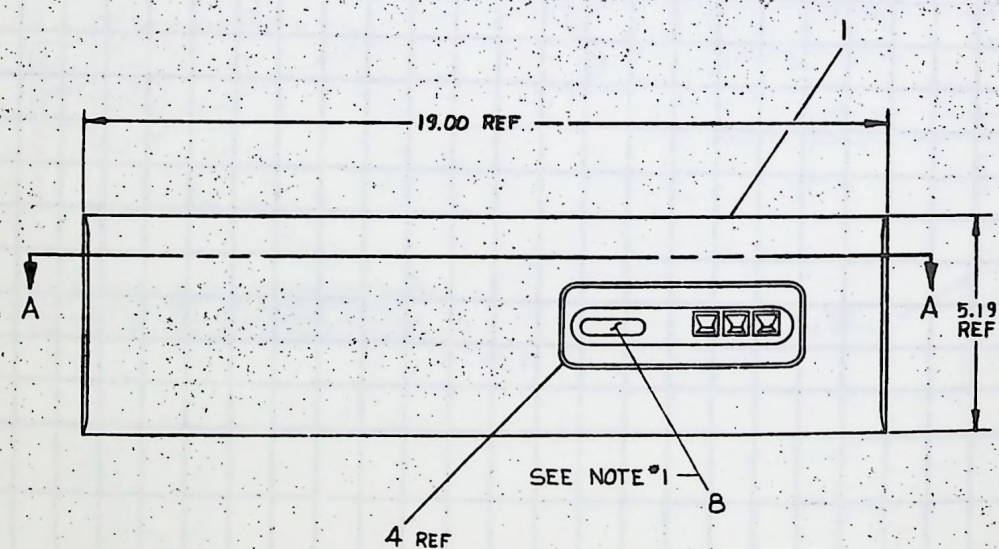
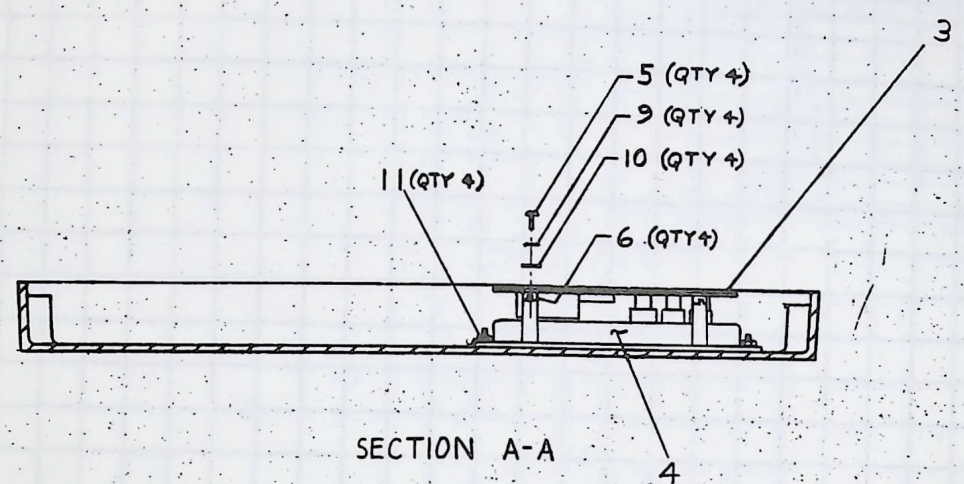
REVISIONS		REV.
CHK	CHANGE NO.	
	ADDED 1.5" width	2nd
	IN PERMANENCE	
	JN 7014092-00001	A
	D ZWICKER 22 SEP 77	
	J. KALAGHER	
	<i>J. Kalagher</i> 5 SEP 77	
	JA 7014092-00002	B
	STEVE ATZLE 4 APR 78	
	J. KALAGHER	
	<i>J. Kalagher</i> 4 APR 78	

1977

0-0-666202

NOTES:

1. ULTRASONICALLY WELD THE WINDOW (ITEM #8) TO THE FRAME (ITEM #4) BEFORE INSTALLING THE FRAME INTO THE BEZEL.



4	FASTENER, PUSH ON	9010032-00	11
4	WASHER, FLAT #6	9006653	10
4	L'WASHER #6	9006633	9
1	WINDOW	B-MD-741744-04	8
4	INSERT #6-32	9009601-00	6
4	SCR. PHL HD PAN #6-32 X .38	9006022-01	5
1	FRAME	D-MD-7411945-02	4
1	11/03-L FRONT PANEL	D-UA-5412985-0-0	3
1	BEZEL 5-1/4"	E-MD-7415313-03	1

QUANTITY & VARIATION		DESCRIPTION		DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES		CLASS OF ACCURACY		TOLERANCES	
SURFACE QUALITY		FINISH		MICROFINISH	
THIRD ANGLE PROJECTION		REMOVE BURRS AND BREAK SHARP CORNERS		DO NOT SCALE DWG	
MATERIAL		SEE PARTS LIST		E-UA-BAI-N-0	
SCALE		1/2		D AD	
SHEET		1		OF 1	
DIST.				7013949-0-0	
REV.		A			

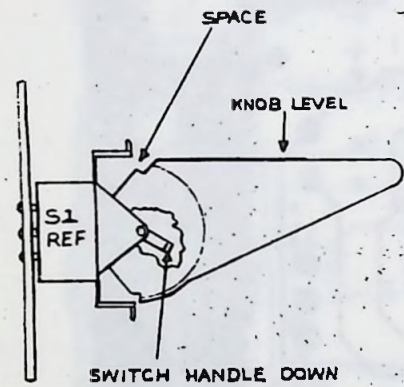
REV. A
J. KALASHER
10/10/77

[illegible]

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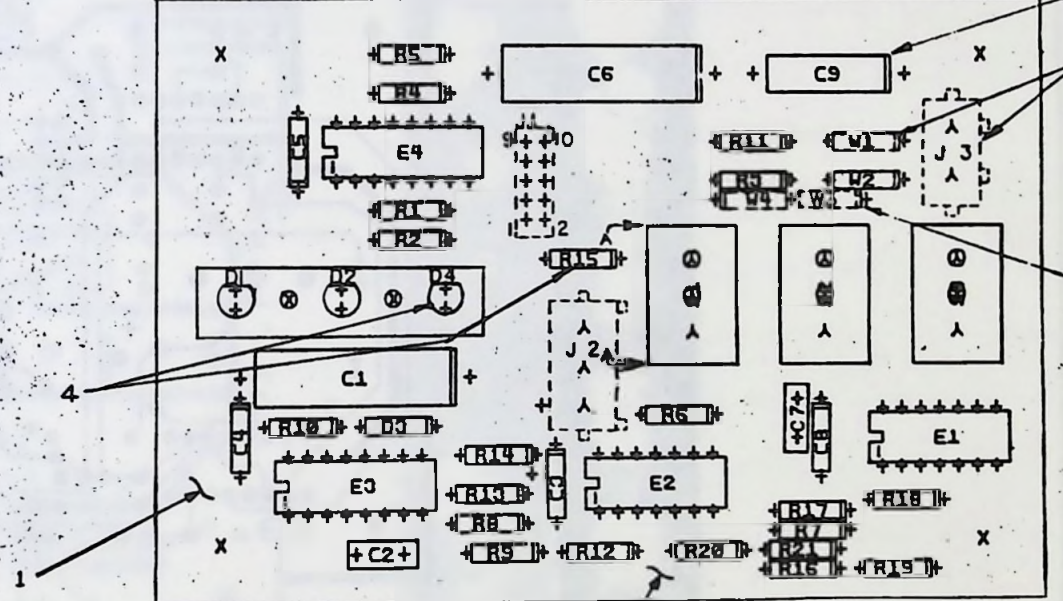
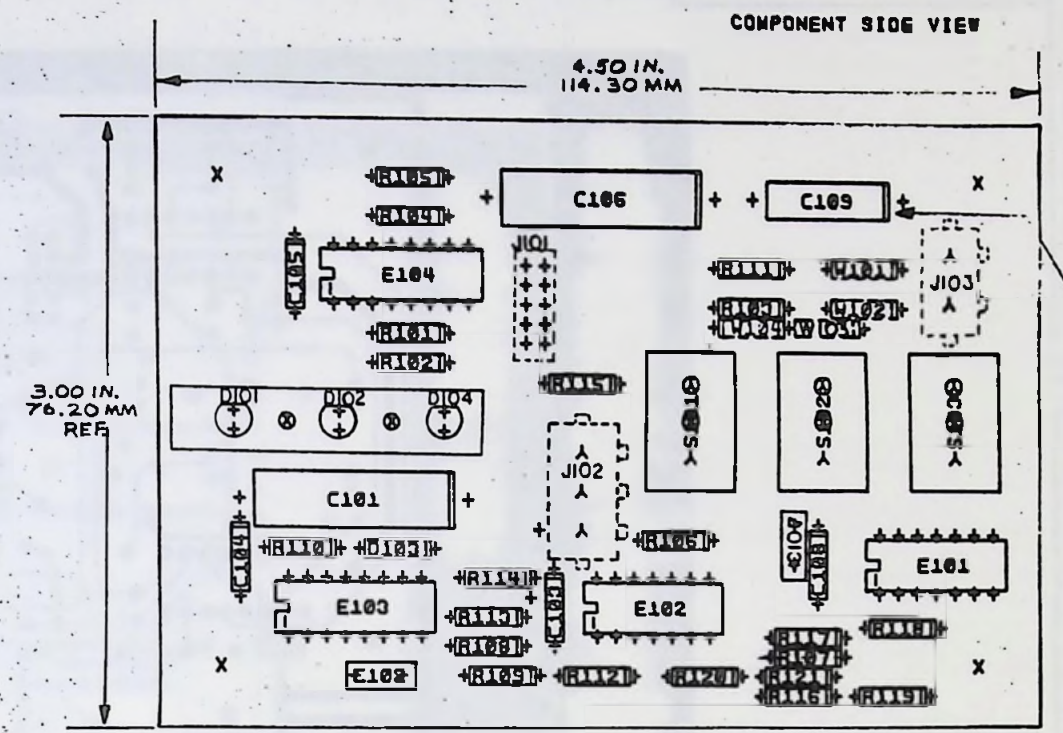
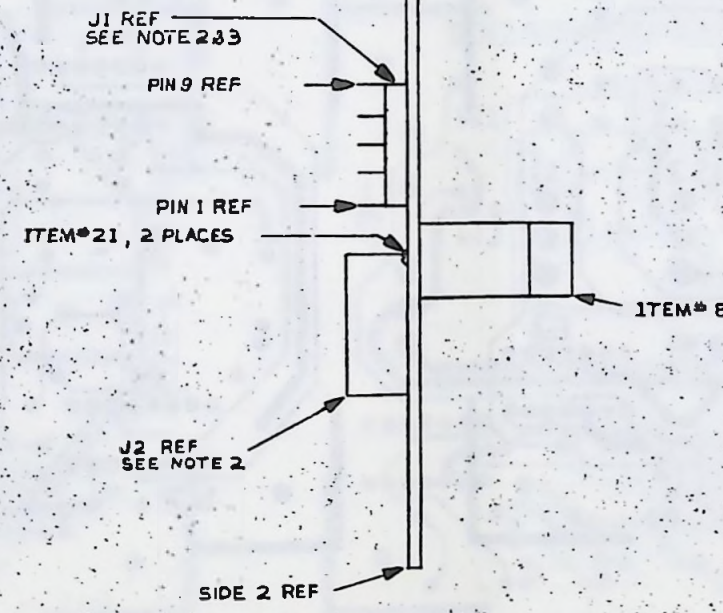
REFERENCE DESIGNATION CHART	
ACTUAL REF. DESIG.	SUPERFICIAL REF. DESIG.
E1	E101
E2	E102
E3	E103
E4	E104
S1-S3	S101-S103
C1-C9	C101-C109
D1-D4	D101-D104
R1-R21	R101-R121
J1-J3	J101-J103
W1-W4	W101-W104

SEE NOTE 4
SEE NOTE 4
SEE NOTE 24



SECTION A-A

NOTE: FOR S1, S2 AND S3 TO BE PROPERLY INSTALLED, SWITCH HANDLE MUST BE DOWN. SWITCH KNOB MUST BE LEVEL AND THERE MUST BE A SPACE AT THE TOP OF THE SWITCH ASSEMBLY.



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

NOTES:
5 W3 IS A FIELD OPTION AND MUST BE INSERTED ON SIDE 2.

- NOTES:
- 8 HOLES .0465 (+.003 - .0045) MAYNARD ONLY
 - MOUNT J1, J2, J3, W1, W2 AND W4 ON SIDE 2 AFTER ALL OTHER COMPONENTS HAVE BEEN ASSEMBLED ONTO BOARD AND BOARD HAS BEEN RUN THROUGH WAVE SOLDER.
 - CUT PINS OF J1 OFF AT BASE OF COMPONENT
 - DO NOT INSERT W3, D4, C9 OR R15, THESE COMPONENTS ARE CUSTOMER OPTIONS.

CHANGE NO	REV	DATE	BY	CHK
1	1	1/24/74	TOM PITMAN	
2	2	4/24/74	Tom Egan	

ETCH REV. C-P2
P.C. DESIGN DATA BASE REV.

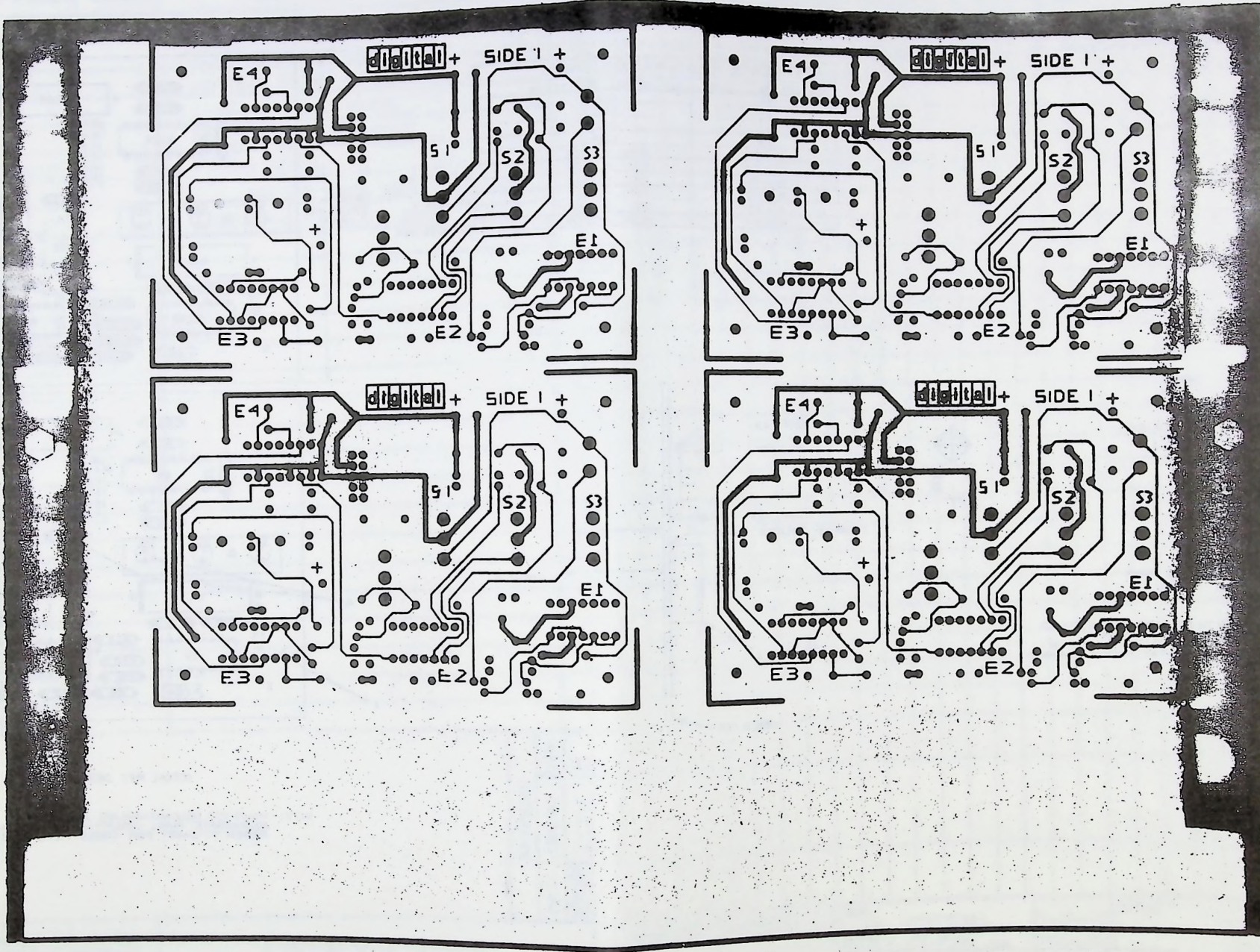
SIGNATURES	DATE	TITLE
DRN. [Signature]	1/24/74	digital
CHK'D. [Signature]	2-2-74	
ENG. [Signature]	4-2-74	
PROJ. ENG. [Signature]	4-2-74	
PROD. [Signature]	4-2-74	
SCALE 2 to 1		
SHT. 1 OF 3		
NEXT HIGHER ASSY. B-DD-5412985-0		

11/03-L
FRONT PANEL

SIZE CODE NUMBER REV
D UA 5412985-0-0 B

1 MS#

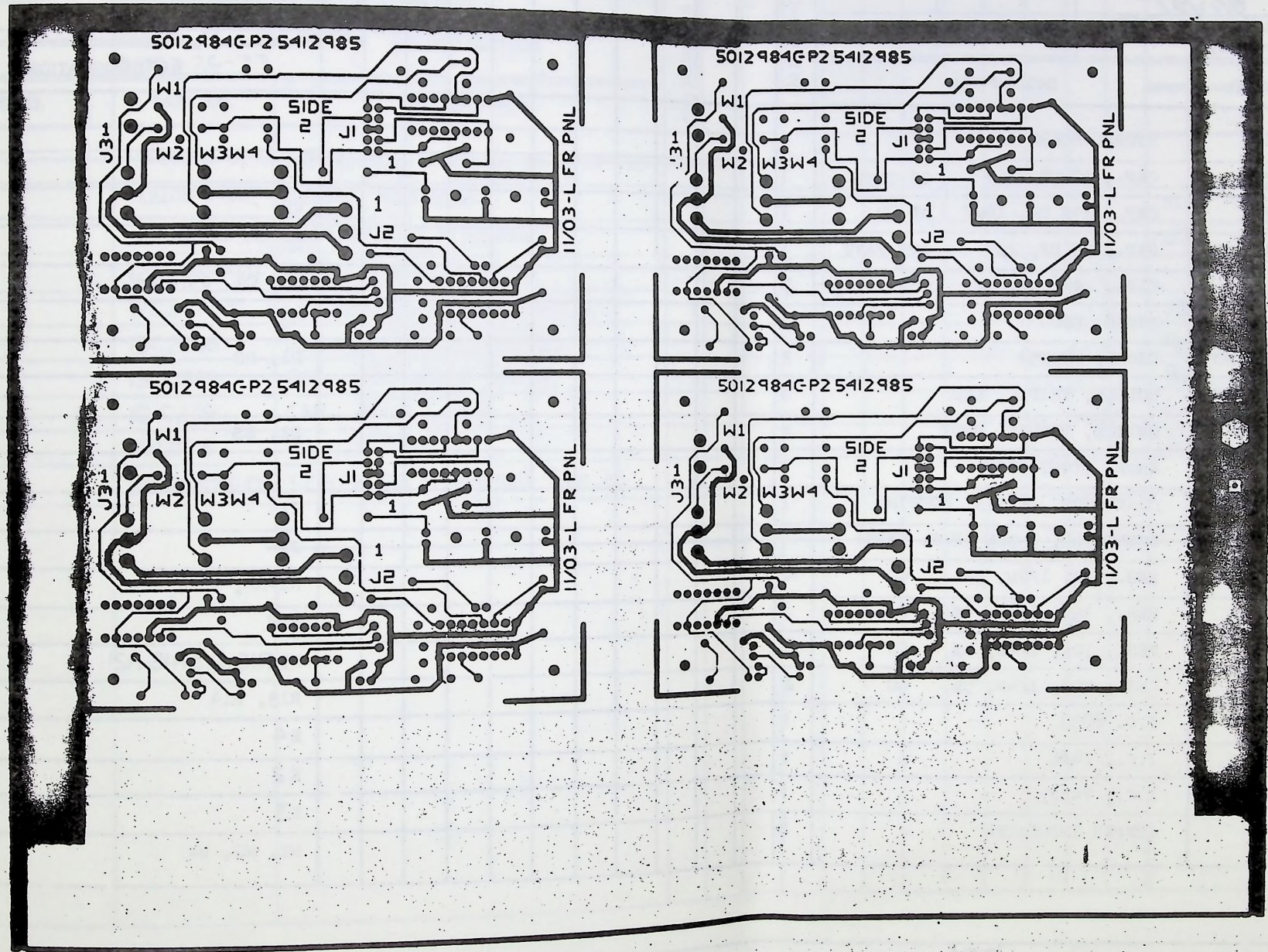
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE		NUMBER		REV.
11/03 - L FRONT PANEL		D JA		5412985-00		
SCALE 2 to 1		SHEET 2 OF 3		DIST.		B
2						

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REVISIONS		
CHK	CHANGE NO.	REV

TITLE		SIZE CODE	NUMBER	REV.
11/03-L FRONT PANEL		DUA	5412985-0-0	B
SCALE	2 to 1	SHEET	3 OF 3	DIST.

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES: FOR ADDITIONAL INSERTION DATA SEE D-UA-5412985-0-0			
MADE BY R. KOPPENAL DATE		CHECKED <i>R. Hambleton</i> DATE <i>8/13/87</i>		SECTION 1															
ENG T. Pittman DATE 8-17-77		PROD R. Hambleton DATE 7-26-77		ISSUED SECTION 1															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION													REF DESIGNATION			
1	D-MD-5012984-0-0	5012984	ETCHED BOARD	1															
2		1002433	CAP., 22 UF, 35V 2Ø TANT	1													C1		
3		1000023	CAP., 33Ø PF, 1ØØV 5% DM	1													C2, C		
4		1005335	CAP., 39 UF, 2ØV 10% TANT	1													C6		
5		1012784	CAP., .Ø47 UF, 5ØV CER	4													C3, C4, C5, C8		
6		1100114	DIODE, D664	1													D3		
7		1110324-ØØ	DIODE, MV5Ø54	2													D1, D2		
8		1210940-Ø2	HOLDER, TRIPLE, LED	1															
9		1210840-ØØ	SWITCH, TOGGLE, SPDT	2													S2, S3		
10		1210786-ØØ	KNOB, LIGHT GRAY	3															
11		1213488-ØØ	CONNECTOR, 1Ø PIN HOUSING	1													J1		
12		1211342-Ø3	CONNECTOR, 3 PIN (P.C. TYPE)	1													J2		
13		1302388	RES., 2K, 1/4W, 5% CC	10													R1-R8, R11, R12		
14		1302514	RES., 39K, 1/4W, 5% CC	1													R1Ø		
15		1300479	RES., 10K, 1/4W, 5% CC	5													R9, R16, R17, R18, R21		
16		1300271	RES., 22Ø, 1/4W, 5% CC	2													R13, R14		
17		1911117	I.C. 8838	1													E4		
18		1910741	I.C., 74Ø6	1													E2		
19		1910436	I.C., 74123	1													E3		
20		9009185	JUMPER INSULATED	3													W1, W2, W4		

E.C.O. NO. 00001	"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"		TITLE 11/Ø3-L FRONT PANEL		ASSY NO. D-UA-5412985-0-0 SHEET 1 OF 2		SIZE B	CODE PL	NUMBER 5412985-0-0 B	REV. B
	DRB 125						INSERTION PARTS LIST DATA BASE REV			

[illegible]

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DRB 170

TITLE	
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11/03-L
FRONT PANEL

ASSY NO.	
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D-UA-5412985-0-0

SIZE	CODE
B	PL

NUMBER

5412985-0-0

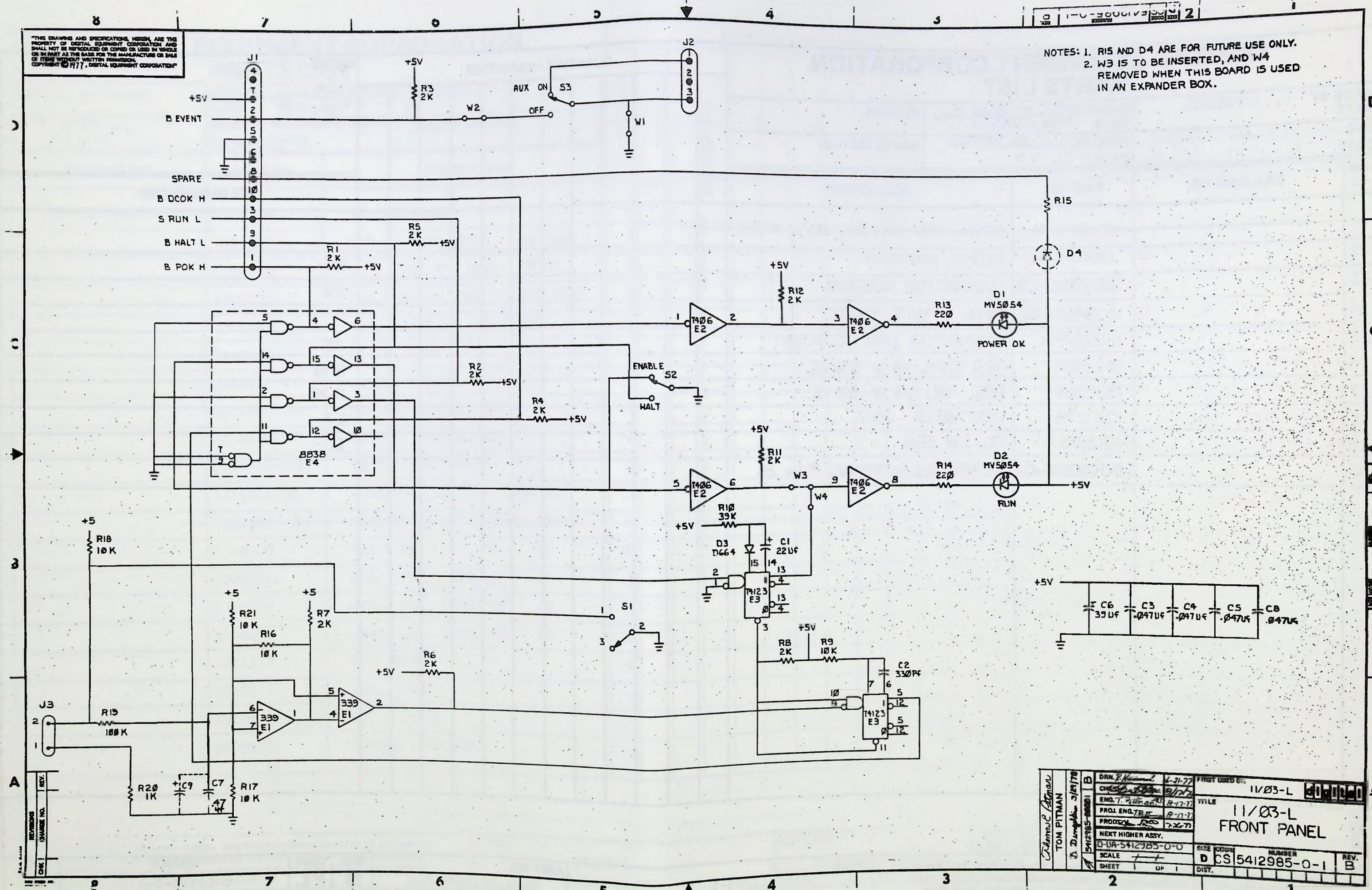
REV.
B

SHEET 2 OF 2

INSERTION PARTS LIST DATA BASE REV B

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NOTES: 1. R15 AND D4 ARE FOR FUTURE USE ONLY.
2. W3 IS TO BE INSERTED, AND W4 REMOVED WHEN THIS BOARD IS USED IN AN EXPANDER BOX.

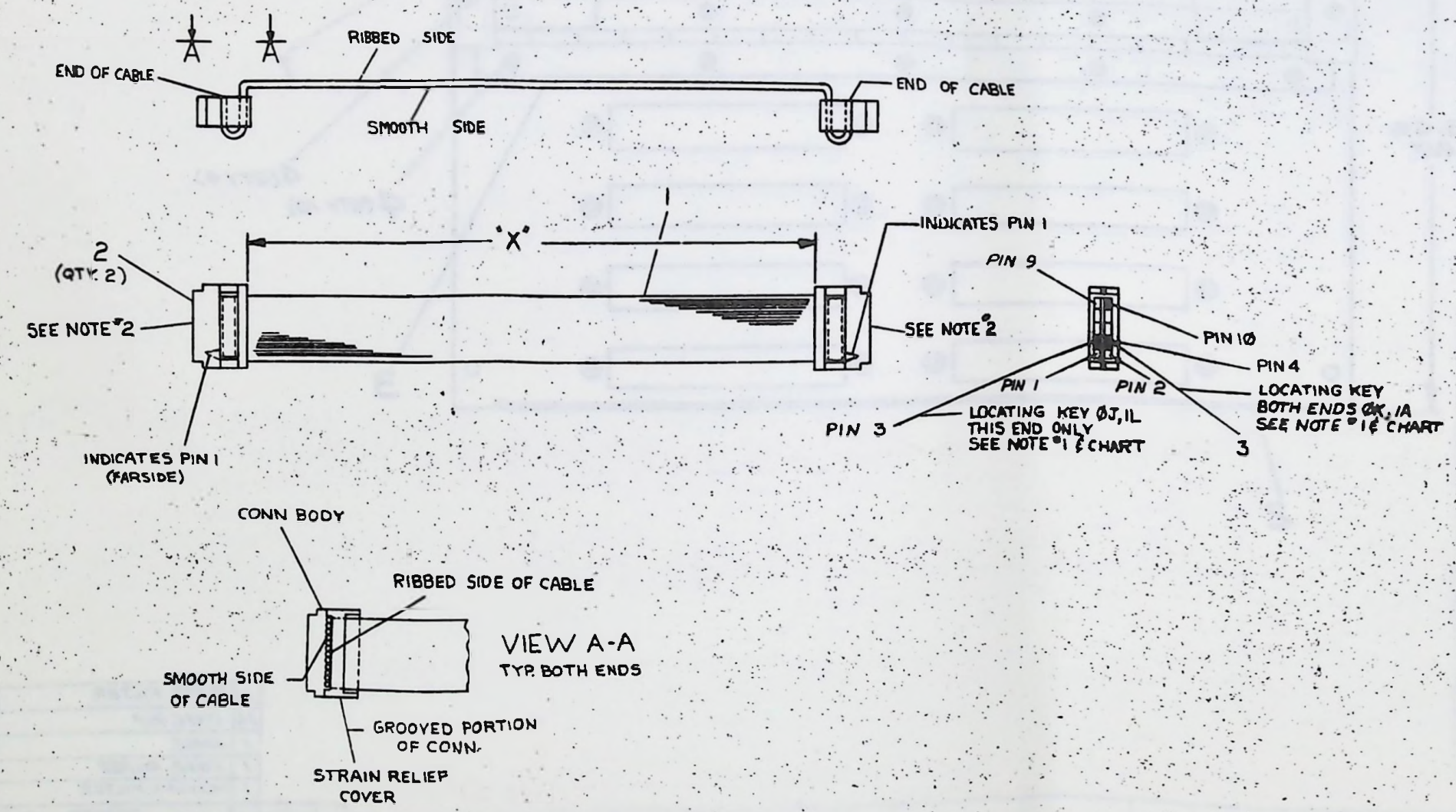


DRN. 11/03-L	11/03-L	11/03-L
CHK. 11/03-L	11/03-L	11/03-L
ENG. 11/03-L	11/03-L	11/03-L
PROD. 11/03-L	11/03-L	11/03-L
NEXT HIGHER ASSY.		
D-11/03-L		
SCALE		
SHEET		
OF		
DIST.		
TITLE	11/03-L	FRONT PANEL
NUMBER	D CS15412985-0-1	REV. B

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LEGEND			
NUMBER	DIM. & VARIATION	USED ON	KEY PIN
7011411-0J	8 IN ± .5 IN	BA11-L OR M	10 ONE END
7011411-0H	9 IN ± .5 IN	LS1-11	BOTH ENDS
7011411-1D	1 FT. 4 IN ± .1 IN	KY11-LB	ONE END
7011411-2D	2 FT. 4 IN ± .1 IN	BA11-F/DO APP	ONE END
7011411-0H	7 IN ± .5 IN	H780, 1, 2, 3	
7011411-1J	1 FT. 8 IN ± .1 IN	1164/34-7A	
7011411-1L	1 FT. 10 IN ± .1 IN	BA11-L, H777	PIN 3 ONE END
7011411-1A	1 FT. 3 IN ± .1 IN	H787	BOTH ENDS
7011411-3J	3 FT. 8 IN ± .1 IN	BA11-K, H785	
7011411-2J	2 FT. 8 IN ± .1 IN	BA11-K, H785	NO KEY
7011411-5F	5 FT. 6 IN ± .1 IN	1160	8 ONE END
7011411-12	12 FT. ± .3 IN	KAS70	
7011411-7	7 FT. ± .2 IN	11780	

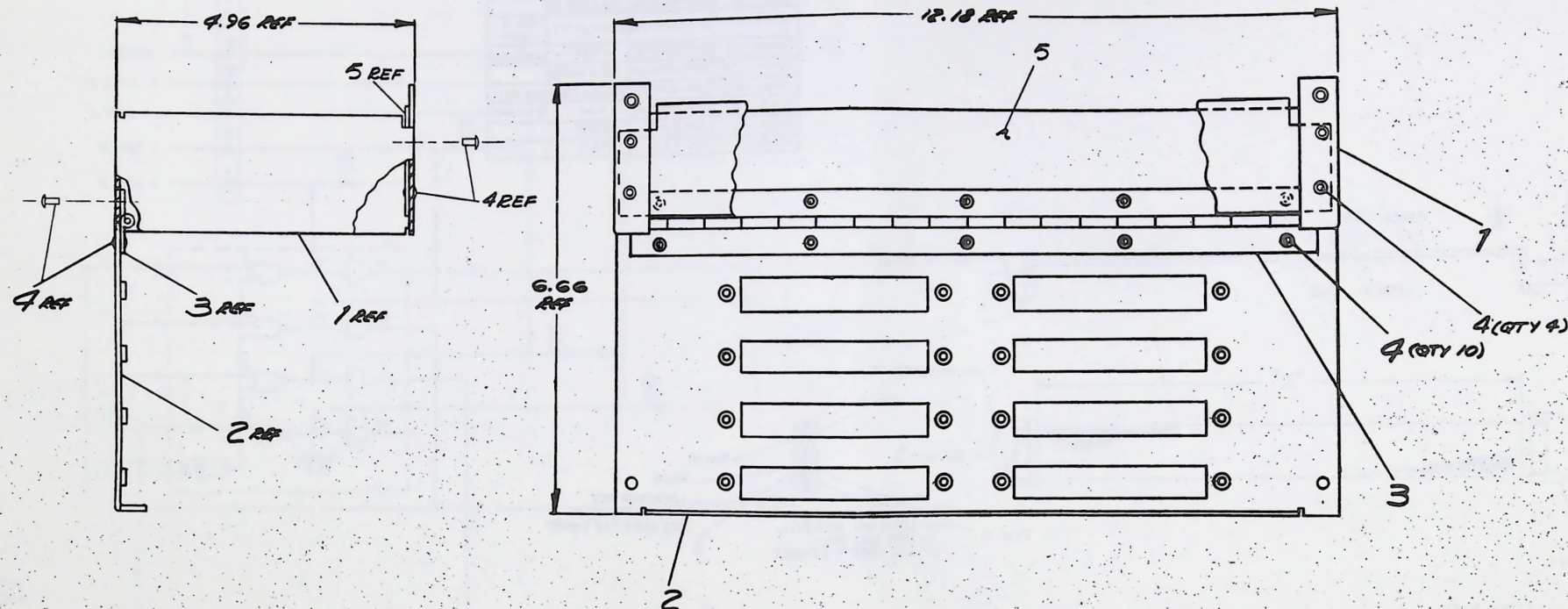
NOTES:
 1. INSERT KEY IN PROPER CONNECTOR PIN AND BREAK OFF TAB.
 2. FOR ITEM (2) DRAWING IS SHOWING 3M CONNECTOR.



1	TIE, CABLE	9007031	5
1	LABEL, CABLE IDENT	9009532	4
NR	KEY	9009707	3
2	CONN. CRIMP	1211206-02	2
NR	CABLE, 10 CONDUCT	9107747-02	1

QUANTITY & VARIATION		DESCRIPTION		DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES		CLASS OF ACCURACY			
NOT SHOWN		CHECK ONE			
SURFACE QUALITY		FINISH			
IN		MEDIUM			
MICROFINISHES		PREFERRED			
		1.012 1.018 1.025 1.04 1.06 1.08 1.10 1.12 1.14 1.16 1.18 1.20 1.22 1.24 1.26 1.28 1.30 1.32 1.34 1.36 1.38 1.40 1.42 1.44 1.46 1.48 1.50 1.52 1.54 1.56 1.58 1.60 1.62 1.64 1.66 1.68 1.70 1.72 1.74 1.76 1.78 1.80 1.82 1.84 1.86 1.88 1.90 1.92 1.94 1.96 1.98 2.00 2.02 2.04 2.06 2.08 2.10 2.12 2.14 2.16 2.18 2.20 2.22 2.24 2.26 2.28 2.30 2.32 2.34 2.36 2.38 2.40 2.42 2.44 2.46 2.48 2.50 2.52 2.54 2.56 2.58 2.60 2.62 2.64 2.66 2.68 2.70 2.72 2.74 2.76 2.78 2.80 2.82 2.84 2.86 2.88 2.90 2.92 2.94 2.96 2.98 3.00 3.02 3.04 3.06 3.08 3.10 3.12 3.14 3.16 3.18 3.20 3.22 3.24 3.26 3.28 3.30 3.32 3.34 3.36 3.38 3.40 3.42 3.44 3.46 3.48 3.50 3.52 3.54 3.56 3.58 3.60 3.62 3.64 3.66 3.68 3.70 3.72 3.74 3.76 3.78 3.80 3.82 3.84 3.86 3.88 3.90 3.92 3.94 3.96 3.98 4.00 4.02 4.04 4.06 4.08 4.10 4.12 4.14 4.16 4.18 4.20 4.22 4.24 4.26 4.28 4.30 4.32 4.34 4.36 4.38 4.40 4.42 4.44 4.46 4.48 4.50 4.52 4.54 4.56 4.58 4.60 4.62 4.64 4.66 4.68 4.70 4.72 4.74 4.76 4.78 4.80 4.82 4.84 4.86 4.88 4.90 4.92 4.94 4.96 4.98 5.00 5.02 5.04 5.06 5.08 5.10 5.12 5.14 5.16 5.18 5.20 5.22 5.24 5.26 5.28 5.30 5.32 5.34 5.36 5.38 5.40 5.42 5.44 5.46 5.48 5.50 5.52 5.54 5.56 5.58 5.60 5.62 5.64 5.66 5.68 5.70 5.72 5.74 5.76 5.78 5.80 5.82 5.84 5.86 5.88 5.90 5.92 5.94 5.96 5.98 6.00 6.02 6.04 6.06 6.08 6.10 6.12 6.14 6.16 6.18 6.20 6.22 6.24 6.26 6.28 6.30 6.32 6.34 6.36 6.38 6.40 6.42 6.44 6.46 6.48 6.50 6.52 6.54 6.56 6.58 6.60 6.62 6.64 6.66 6.68 6.70 6.72 6.74 6.76 6.78 6.80 6.82 6.84 6.86 6.88 6.90 6.92 6.94 6.96 6.98 7.00 7.02 7.04 7.06 7.08 7.10 7.12 7.14 7.16 7.18 7.20 7.22 7.24 7.26 7.28 7.30 7.32 7.34 7.36 7.38 7.40 7.42 7.44 7.46 7.48 7.50 7.52 7.54 7.56 7.58 7.60 7.62 7.64 7.66 7.68 7.70 7.72 7.74 7.76 7.78 7.80 7.82 7.84 7.86 7.88 7.90 7.92 7.94 7.96 7.98 8.00 8.02 8.04 8.06 8.08 8.10 8.12 8.14 8.16 8.18 8.20 8.22 8.24 8.26 8.28 8.30 8.32 8.34 8.36 8.38 8.40 8.42 8.44 8.46 8.48 8.50 8.52 8.54 8.56 8.58 8.60 8.62 8.64 8.66 8.68 8.70 8.72 8.74 8.76 8.78 8.80 8.82 8.84 8.86 8.88 8.90 8.92 8.94 8.96 8.98 9.00 9.02 9.04 9.06 9.08 9.10 9.12 9.14 9.16 9.18 9.20 9.22 9.24 9.26 9.28 9.30 9.32 9.34 9.36 9.38 9.40 9.42 9.44 9.46 9.48 9.50 9.52 9.54 9.56 9.58 9.60 9.62 9.64 9.66 9.68 9.70 9.72 9.74 9.76 9.78 9.80 9.82 9.84 9.86 9.88 9.90 9.92 9.94 9.96 9.98 10.00 10.02 10.04 10.06 10.08 10.10 10.12 10.14 10.16 10.18 10.20 10.22 10.24 10.26 10.28 10.30 10.32 10.34 10.36 10.38 10.40 10.42 10.44 10.46 10.48 10.50 10.52 10.54 10.56 10.58 10.60 10.62 10.64 10.66 10.68 10.70 10.72 10.74 10.76 10.78 10.80 10.82 10.84 10.86 10.88 10.90 10.92 10.94 10.96 10.98 11.00 11.02 11.04 11.06 11.08 11.10 11.12 11.14 11.16 11.18 11.20 11.22 11.24 11.26 11.28 11.30 11.32 11.34 11.36 11.38 11.40 11.42 11.44 11.46 11.48 11.50 11.52 11.54 11.56 11.58 11.60 11.62 11.64 11.66 11.68 11.70 11.72 11.74 11.76 11.78 11.80 11.82 11.84 11.86 11.88 11.90 11.92 11.94 11.96 11.98 12.00 12.02 12.04 12.06 12.08 12.10 12.12 12.14 12.16 12.18 12.20 12.22 12.24 12.26 12.28 12.30 12.32 12.34 12.36 12.38 12.40 12.42 12.44 12.46 12.48 12.50 12.52 12.54 12.56 12.58 12.60 12.62 12.64 12.66 12.68 12.70 12.72 12.74 12.76 12.78 12.80 12.82 12.84 12.86 12.88 12.90 12.92 12.94 12.96 12.98 13.00 13.02 13.04 13.06 13.08 13.10 13.12 13.14 13.16 13.18 13.20 13.22 13.24 13.26 13.28 13.30 13.32 13.34 13.36 13.38 13.40 13.42 13.44 13.46 13.48 13.50 13.52 13.54 13.56 13.58 13.60 13.62 13.64 13.66 13.68 13.70 13.72 13.74 13.76 13.78 13.80 13.82 13.84 13.86 13.88 13.90 13.92 13.94 13.96 13.98 14.00 14.02 14.04 14.06 14.08 14.10 14.12 14.14 14.16 14.18 14.20 14.22 14.24 14.26 14.28 14.30 14.32 14.34 14.36 14.38 14.40 14.42 14.44 14.46 14.48 14.50 14.52 14.54 14.56 14.58 14.60 14.62 14.64 14.66 14.68 14.70 14.72 14.74 14.76 14.78 14.80 14.82 14.84 14.86 14.88 14.90 14.92 14.94 14.96 14.98 15.00 15.02 15.04 15.06 15.08 15.10 15.12 15.14 15.16 15.18 15.20 15.22 15.24 15.26 15.28 15.30 15.32 15.34 15.36 15.38 15.40 15.42 15.44 15.46 15.48 15.50 15.52 15.54 15.56 15.58 15.60 15.62 15.64 15.66 15.68 15.70 15.72 15.74 15.76 15.78 15.80 15.82 15.84 15.86 15.88 15.90 15.92 15.94 15.96 15.98 16.00 16.02 16.04 16.06 16.08 16.10 16.12 16.14 16.16 16.18 16.20 16.22 16.24 16.26 16.28 16.30 16.32 16.34 16.36 16.38 16.40 16.42 16.44 16.46 16.48 16.50 16.52 16.54 16.56 16.58 16.60 16.62 16.64 16.66 16.68 16.70 16.72 16.74 16.76 16.78 16.80 16.82 16.84 16.86 16.88 16.90 16.92 16.94 16.96 16.98 17.00 17.02 17.04 17.06 17.08 17.10 17.12 17.14 17.16 17.18 17.20 17.22 17.24 17.26 17.28 17.30 17.32 17.34 17.36 17.38 17.40 17.42 17.44 17.46 17.48 17.50 17.52 17.54 17.56 17.58 17.60 17.62 17.64 17.66 17.68 17.70 17.72 17.74 17.76 17.78 17.80 17.82 17.84 17.86 17.88 17.90 17.92 17.94 17.96 17.98 18.00 18.02 18.04 18.06 18.08 18.10 18.12 18.14 18.16 18.18 18.20 18.22 18.24 18.26 18.28 18.30 18.32 18.34 18.36 18.38 18.40 18.42 18.44 18.46 18.48 18.50 18.52 18.54 18.56 18.58 18.60 18.62 18.64 18.66 18.68 18.70 18.72 18.74 18.76 18.78 18.80 18.82 18.84 18.86 18.88 18.90 18.92 18.94 18.96 18.98 19.00 19.02 19.04 19.06 19.08 19.10 19.12 19.14 19.16 19.18 19.20 19.22 19.24 19.26 19.28 19.30 19.32 19.34 19.36 19.38 19.40 19.42 19.44 19.46 19.48 19.50 19.52 19.54 19.56 19.58 19.60 19.62 19.64 19.66 19.68 19.70 19.72 19.74 19.76 19.78 19.80 19.82 19.84 19.86 19.88 19.90 19.92 19.94 19.96 19.98 20.00 20.02 20.04 20.06 20.08 20.10 20.12 20.14 20.16 20.18 20.20 20.22 20.24 20.26 20.28 20.30 20.32 20.34 20.36 20.38 20.40 20.42 20.44 20.46 20.48 20.50 20.52 20.54 20.56 20.58 20.60 20.62 20.64 20.66 20.68 20.70 20.72 20.74 20.76 20.78 20.80 20.82 20.84 20.86 20.88 20.90 20.92 20.94 20.96 20.98 21.00 21.02 21.04 21.06 21.08 21.10 21.12 21.14 21.16 21.18 21.20 21.22 21.24 21.26 21.28 21.30 21.32 21.34 21.36 21.38 21.40 21.42 21.44 21.46 21.48 21.50 21.52 21.54 21.56 21.58 21.60 21.62 21.64 21.66 21.68 21.70 21.72 21.74 21.76 21.78 21.80 21.82 21.84 21.86 21.88 21.90 21.92 21.94 21.96 21.98 22.00 22.02 22.04 22.06 22.08 22.10 22.12 22.14 22.16 22.18 22.20 22.22 22.24 22.26 22.28 22.30 22.32 22.34 22.36 22.38 22.40 22.42 22.44 22.46 22.48 22.50 22.52 22.54 22.56 22.58 22.60 22.62 22.64 22.66 22.68 22.70 22.72 22.74 22.76 22.78 22.80 22.82 22.84 22.86 22.88 22.90 22.92 22.94 22.96 22.98 23.00 23.02 23.04 23.06 23.08 23.10 23.12 23.14 23.16 23.18 23.20 23.22 23.24 23.26 23.28 23.30 23.32 23.34 23.36 23.38 23.40 23.42 23.44 23.46 23.48 23.50 23.52 23.54 23.56 23.58 23.60 23.62 23.64 23.66 23.68 23.70 23.72 23.74 23.76 23.78 23.80 23.82 23.84 23.86 23.88 23.90 23.92 23.94 23.96 23.98 24.00 24.02 24.04 24.06 24.08 24.10 24.12 24.14 24.16 24.18 24.20 24.22 24.24 24.26 24.28 24.30 24.32 24.34 24.36 24.38 24.40 24.42 24.44 24.46 24.48 24.50 24.52 24.54 24.56 24.58 24.60 24.62 24.64 24.66 24.68 24.70 24.72 24.74 24.76 24.78 24.80 24.82 24.84 24.86 24.88 24.90 24.92 24.94 24.96 24.98 25.00 25.02 25.04 25.06 25.08 25.10 25.12 25.14 25.16 25.18 25.20 25.22 25.24 25.26 25.28 25.30 25.32 25.34 25.36 25.38 25.40 25.42 25.44 25.46 25.48 25.50 25.52 25.54 25.56 25.58 25.60 25.62 25.64 25.66 25.68 25.70 25.72 25.74 25.76 25.78 25.80 25.82 25.84 25.86 25.88 25.90 25.92 25.94 25.96 25.98 26.00 26.02 26.04 26.06 26.08 26.10 26.12 26.14 26.16 26.18 26.20 26.22 26.24 26.26 26.28 26.30 26.32 26.34 26.36 26.38 26.40 26.42 26.44 26.46 26.48 26.50 26.52 26.54 26.56 26.58 26.60 26.62 26.64 26.66 26.68 26.70 26.72 26.74 26.76 26.78 26.80 26.82 26.84 26.86 26.88 26.90 26.92 26.94 26.96 26.98 27.00 27.02 27.04 27.06 27.08 27.10 27.12 27.14 27.16 27.18 27.20 27.22 27.24 27.26 27.28 27.30 27.32 27.34 27.36 27.38 27.40 27.42 27.44 27.46 27.48 27.50 27.52 27.54 27.56 27.58 27.60 27.62 27.64 27.66 27.68 27.70 27.72 27.74 27.76 27.78 27.80 27.82 27.84 27.86 27.88 27.90 27.92 27.94 27.96 27.98 28.00 28.02 28.04 28.06 28.08 28.10 28.12 28.14 28.16 28.18 28.20 28.22 28.24 28.26 28.28 28.30 28.32 28.34 28.36 28.38 28.40 28.42 28.44 28.46 28.48 28.50 28.52 28.54 28.56 28.58 28.60 28.62 28.64 28.66 28.68 28.70 28.72 28.74 28.76 28.78 28.80 28.82 28.84 28.86 28.88 28.90 28.92 28.94 28.96 28.98 29.00 29.02 29.04 29.06 29.08 29.10 29.12 29.14 29.16 29.18 29.20 29.22 29.24 29.26 29.28 29.30 29.32 29.34 29.36 29.38 29.40 29.42 29.44 29.46 29.48 29.50 29.52 29.54 29.56 29.58 29.60 29.62 29.64 29.66 29.68 29.70 29.72 29.74 29.76 29.78 29.80 29.82 29.84 29.86 29.88 29.90 29.92 29.94 29.96 29.98 30.00 30.02 30.04 30.06 30.08 30.10 30.12 30.14 30.16 30.18 30.20 30.22 30.24 30.26 30.28 30.30 30.32 30.34 30.36 30.38 30.40 30.42 30.44 30.46 30.48 30.50 30.52 30.54 30.56 30.58 30.60 30.62 30.64 30.66 30.68 30.70 30.72 30.74 30.76 30.78 30.80 30.82 30.84 30.86 30.88 30.90 30.92 30.94 30.96 30.98 31.00 31.02 31.04 31.06 31.08 31.10 31.12 31.14 31.16 31.18 31.20 31.22 31.24 31.26 31.28 31.30 31.32 31.34 31.36 31.38 31.40 31.42 31.44 31.46 31.48 31.50 31.52 31.54 31.56 31.58 31.60 31.62 31.64 31.66 31.68 31.70 31.72 31.74 31.76 31.78 31.80 31.82 31.84 31.86 31.88 31.90 31.92 31.94 31.96 31.98 32.00 32.02 32.04 32.06 32.08 32.10 32.12 32.14 32.16 32.18 32.20 32.22 32.24 32.26 32.28 32.30 32.32 32.34 32.36 32.38 32.40 32.42 32.44 32.46 32.48 32.50 32.52 32.54 32.56 32.58 32.60 32.62 32.64 32.66 32.68 32.70 32.72 32.74 32.76 32.78 32.80 32.82 32.84 32.86 32.88 32.90 32.92 32.94 32.96 32.98 33.00 33.02 33.04 33.06 33.08 33.10 33.12 33.14 33.16 33.18 33.20 33.22 33.24 33.26 33.28 33.30 33.32 33.34 33.36 33.38 33.40 33.42 33.44 33.46 33.48 33.50 33.52 33.54 33.56 33.58 33.60 33.62 33.64 33.66 33.68 33.70 33.72 33.74 33.76 33.78 33.80 33.82 33.84 33.86 33.88 33.90 33.92 33.94 33.96 33.98 34.00 34.02 34.04 34.06 34.08 34.10 34.12 34.14 34.16 34.18 34.20 34.22 34.24 34.26 34.28 34.30 34.32 34.34 34.36 34.38 34.40 34.42 34.44 34.46 34.48 34.50 34.52 34.54 34.56 34.58 34.60 34.62 34.64 34.66 34.68 34.70 34.72 34.74 34.76 34.78 34.80 34.82 34.84 34.86 34.88 34.90 34.92 34.94 34.96 34.98 35.00 35.02 35.04 35.06 35.08 35.10 35.12 35.14 35.16 35.18 35.20 35.22 35.24 35.26 35.28 35.30 35.32 35.34 35.36 35.38 35.40 35.42 35.44 35.46 35.48 35.50 35.52 35.54 35.56 35.58 35.60 35.62 35.64 35.66 35.68 35.70 35.72 35.74 35.76 35.78 35.80 35.82 35.84 35.86 35.88 35.90 35.92 35.94 35.96 35.98 36.00 36.02 36.04 36.06 36.08 36.10 36.12 36.14 36.16 36.18 36.20 36.22 36.24 36.26 36.28 36.30 36.32 36.34 36.36 36.38 36.40 36.42 36.44 36.46 36.48 36.50 36.52 36.54 36.56 36.58 36.60 36.62 36.64 36.66 36.68 36.70 36.72 36.74 36.76 36.78 36.80 36.82 36.84 36.86 36.88 36.90 36.92 36.94 36.96 36.98 37.00 37.02 37.04 37.06 37.08 37.10 37.12 37.14 37.16 37.18 37.20 37.22 37.24 37.26 37.28 37.30 37.32 37.34 37.36 37.38 37.40 37.42 37.44 37.46 37.48 37.50 37.52 37.54 37.56 37.58 37.60 37.62 37.64			

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1	PLATE, FILTER	C-40-7417675-0-0	5
14	RIVET, POP	9000030-09	8
1	HINGE	C-40-7417678-0-0	3
1	DOOR, FILTER	D-30-7417677-0-0	2
1	HOUSING, FILTER	E-24-7417676-0-0	1

DESCRIPTION		DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 45° 30°	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY IN	MEDIUM	OVER 0 TO 1.25	OVER 1.25 TO 4.0
		OVER 4.0 TO 12.5	OVER 12.5 TO 48.0
PREFERRED		0.004	0.008
		0.012	0.016
		0.025	0.04
		0.063	0.1

THIRD ANGLE PROJECTION	QUANTITY & VARIATION	FIRST USED ON	TITLE
REMOVE BURRS AND BREAK SHARP CORNERS	DO NOT SCALE DWG	E-24-7417676-0-0	BA11-R
MATERIAL SEE PARTS LIST	FINISH	SCALE	1" = 1"
SHEET 1 OF 1		SIZE	D
		CODE	LA
		NUMBER	7013521-0-0
		DIST.	
		REV.	

DRAWING DIRECTORY

UNIT VARIATIONS

VAR

TITLE

H786

H786	POWER	SUPPLY
------	-------	--------

REVISIONS

CHK	CHANGE NO.	REV.
JA	H786-2	A

CHK
JA

USED ON OPTION/MODEL

BA11-N

DRN.	
------	--

B. Blodgett

DATE

2 MAY 77

CHK'D.	
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J. F. Edwards

PROJ. ENG.	
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J. Kales

PROD.

DATE	
------	--

2MA977

PROJ. ENG.	
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J. Kales

PROD.

TITLE

7 | H786

POWER SUPPLY

SIZE	CODE
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B	DD
---	----

NUMBER

H786-Ø

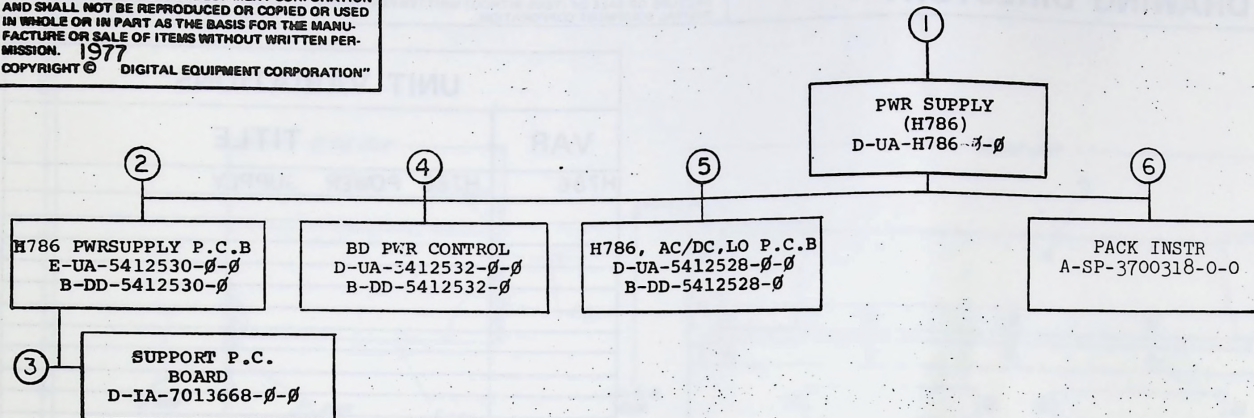
REV

A

SHEET 1 OF 3

DIST.

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TITLE	SIZE	CODE	NUMBER	REV
H786 PWR. SUPPLY	SHEET 2 OF 3	B DD	H786 - 0	A

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	D-UA-H786-Ø-Ø	PWR. SUPPLY (H786)	E/M				
	E-IA-7418236-Ø-Ø	CHASSIS, PWR SUPPLY	M				
	A-SP-H786-0-2	ENG. SPEC. H786 POWER SUPPLY	-				
	A-PS-3615632-0-0	H786 POWER SUPPLY REVISION LABEL	M				
2	B-DD-5412530-Ø	H786 POWER SUPPLY, MASTER BOARD	—				
3	D-IA-7013668-Ø-Ø	SUPPORT PRINTED CIRCUIT BOARD	M				
	C-MD-7418386-Ø-Ø	CARD SUPPORT	M				
	B-MD-7418387-Ø-Ø	TIE BAR	M				
	C-MD-7418385-Ø-Ø	RAIL	M				
4	B-DD-5412532-0	PWR. CONTROL BOARD,	—				
5	B-DD-5412528-0	H786 AC/DC LO PC BOARD,	—				
6	A-SP-3700318-0-0	PACK INSTR. P.S. H786	-				

TYPE: E ELECTRICAL
 M MECHANICAL
 E/M ELECTRO/MECHANICAL

digital

TITLE H786 PWR. SUPPLY

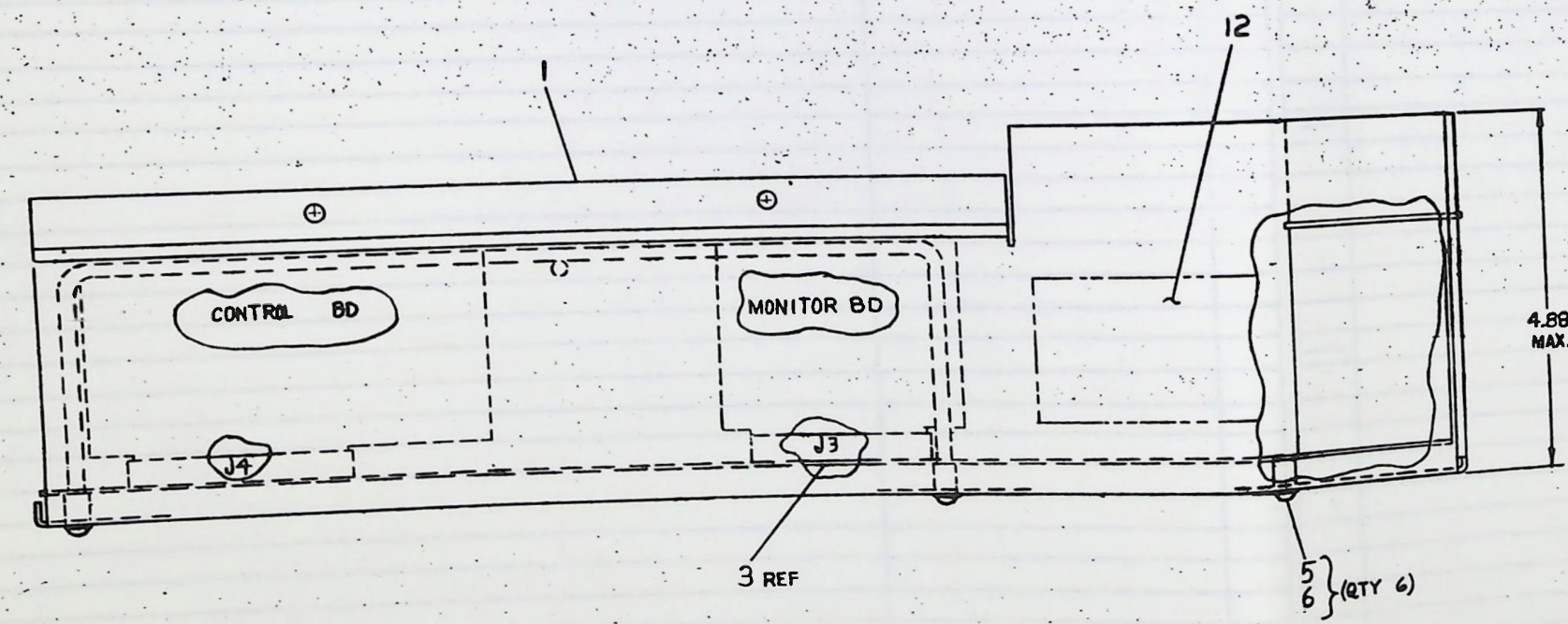
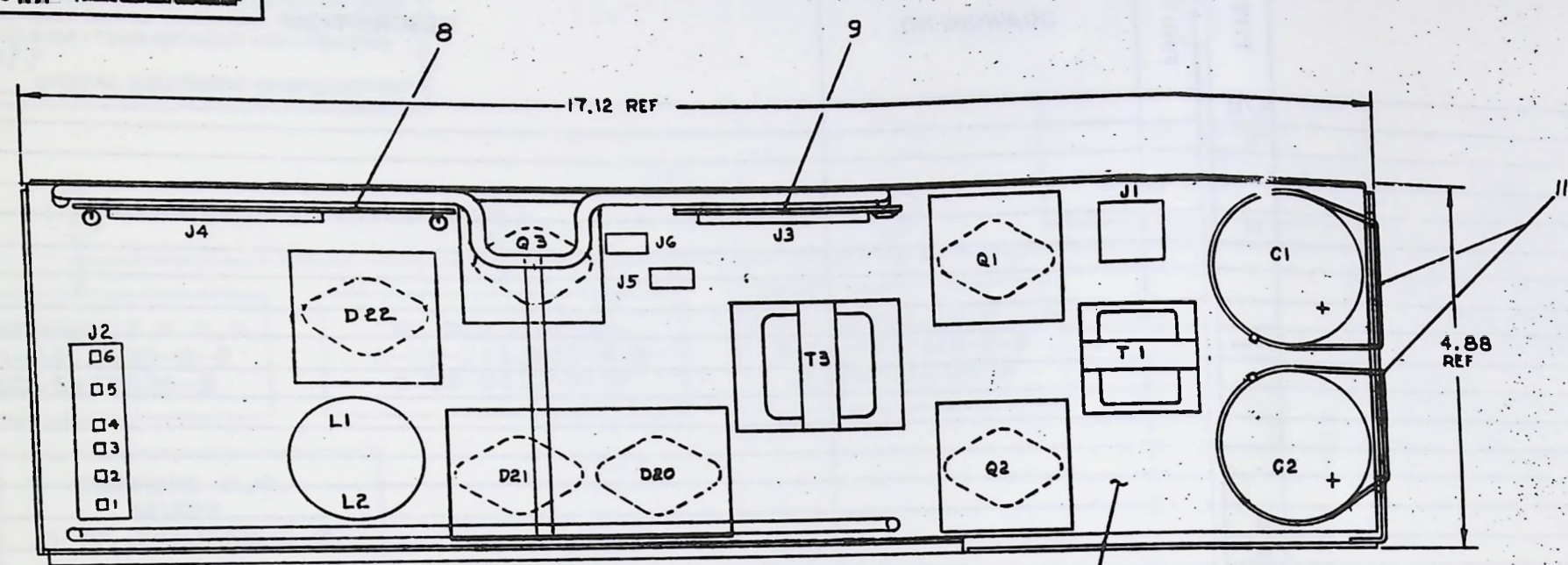
SHEET 3 OF 3

SIZE CODE B DD

NUMBER H786 - Ø

REV A

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REV	DATE	BY	CHK	CHANGE NO.
A	11/17/66	J. KALAGHER	J. KALAGHER	11786-00001
B	11/17/66	J. KALAGHER	J. KALAGHER	11786-00002

ITEM NO.	DESCRIPTION	QTY	UNIT
1	WASHER, LOCK, INT TOOTH #6	9006633-00	6
7	SCREW, PHL. PAN. HD. #12 X .25	9008020-01	5
1	H786 PWR. SUPPLY BD.	E-UA-5412530-0-0	3
1	CHASSIS, PWR. SUPPLY	E-IA-7418236-0-0	1

QUANTITY & VARIATION		FIRST USED ON	
QTY	VARIATION	QTY	VARIATION
5	6 (QTY 6)	1	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
ANGLE	30°
SURFACE QUALITY	IN
FINISH	SEE PARTS LIST

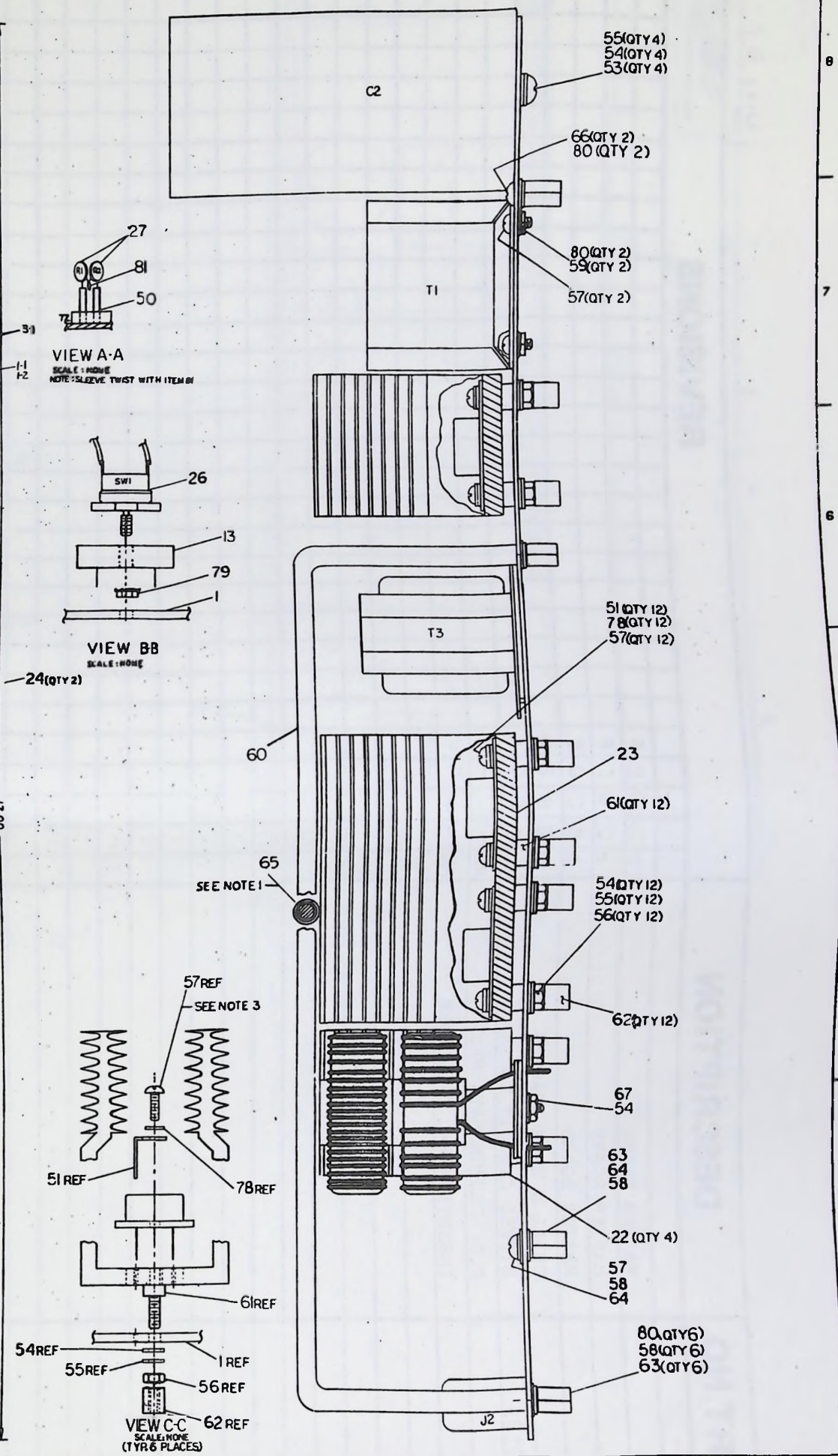
TITLE	
H786 POWER SUPPLY ASSY	

MATERIAL	
B-DD-H786-0-0	

SCALE	
1/1	

SHEET	
1 OF 1	

[illegible]



NOTES:

1. TWO THICKNESS OF SPIRAL WRAP (ITEM #65) MUST BE WRAPPED AROUND THE TIE BAR OF THE P.C. BOARD SUPPORT (ITEM #60) BEFORE ATTACHING IT TO THE BOARD.
2. TORQUE REQUIREMENTS FOR ALL HARDWARE ARE SPECIFIED IN D.E.C. STANDARD 116 (WORKMANSHIP STANDARDS MANUAL) SECTION 2.0 TABLE 2.1, EXCEPT AS OTHERWISE NOTED.
3. TORQUE TO BE 6" TO 8" PER POUND (12 PLACES).
4. MAKE W1 THRU W5 FROM 4" LONG LENGTH OF ITEM #77.
5. OBSERVE PROPER PIN ORIENTATION OF CONNECTOR WHEN MOUNTING ON BOARD.

FILED 530-000

NOTE: THIS BOARD REQUIRES V/I

APPROVA:

FILE 1011-SIDE 2

9-1 FROM HQ TO HQ

ECO-1 COMPONENT DELETE SIDE 1:

1-1 02 (IN 1011-20-0)

COMPONENT ADD SIDE 1:

1-2 03 (IN 1011-20-0)

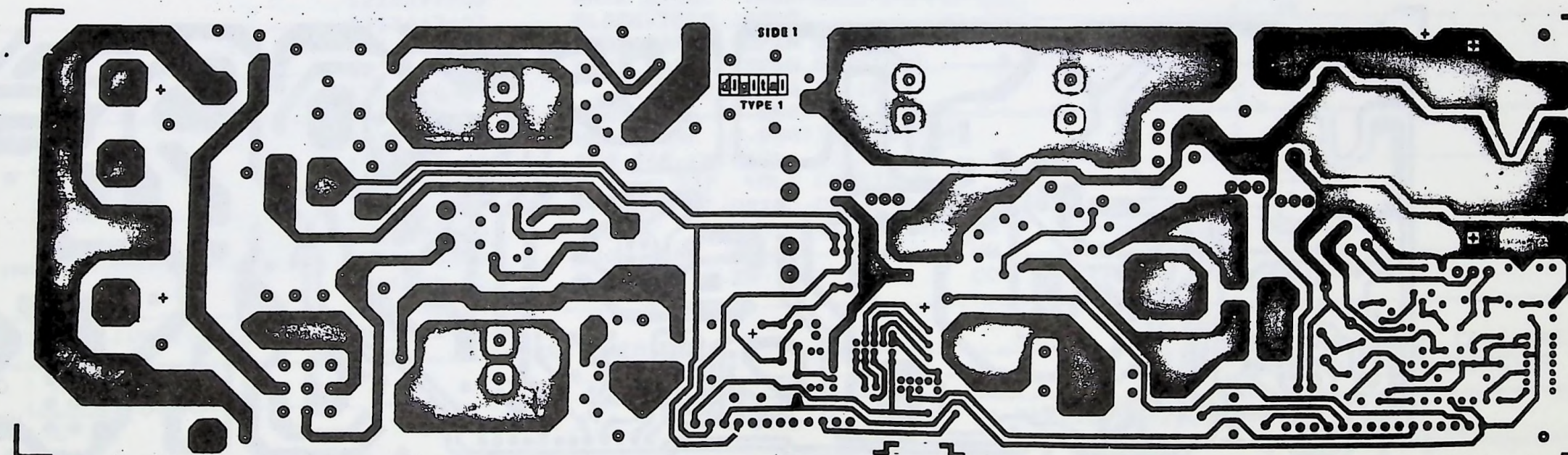
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542530-8	J
542530-9	K
542530-10	L
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542530-12	N
542530-13	O
542530-14	P
542530-15	Q
542530-16	R
542530-17	S
542530-18	T
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542530-322	LL
542530-323	LM
542530-324	LN
542530-325	LO
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542530-331	LU
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542530-334	LX
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542530-494	SB
542530-495	SC
542530-496	SD
542530-497	SE
542530-498	SF
542530-499	SG
542	

ETCH REV. C
P.C. DESIGN DATA BASE REV. C1

SIGNATURES		DATE	digital	
DRN. <i>[Signature]</i>	<i>[Signature]</i>	4-1-79		
CHK'D. <i>[Signature]</i>	<i>[Signature]</i>	4-1-79		
ENG. <i>[Signature]</i>	A5	4/1/79	TITLE	
PROJECT #		4/1/79	HY86 POWER SUPPLY	
PROD. <i>[Signature]</i>		4/1/79	MASTER BRD.	
SCALE 2:1			SIZE CODE	NUMBER
SHT. 1 OF 3			1	5412536-0-0
NEXT NUMBER	5412536-0-1		REV	F

REVISIONS

H786 PWR. SUPPLY 5012829C 5412530

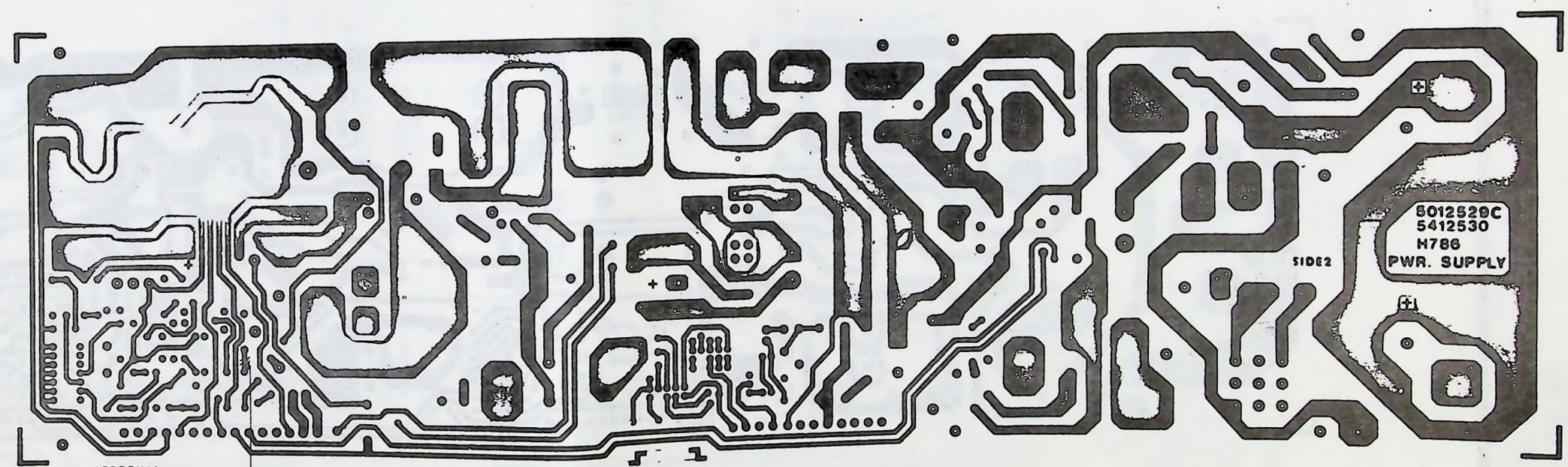


U. L. APPROVAL

REVISIONS		
NO.	DESCRIPTION	DATE
1		

TITLE H786 POWER SUPPLY		REV. 1	
MASTER BOARD		F	
SCALE 271	INCHES 253	DATE 1	43

1. ALL DIMENSIONS ARE IN INCHES
2. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED
3. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED
4. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED



U/L APPROVAL

REV	CHG	DATE	BY

TITLE	H786 POWER SUPPLY MASTER BRD.	DATE	05-11-25	REV	0-0-0	REV	F
SCALE	2/1	SHEET	3 OF 3	DATE			

LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1	D-MD-5012529-0-0	5012529-00	5412530	1	
2	2		1014240-00	2000 MFD 200V 6% AL EL	2	C1,C2
3	3		1014260-02	2100 MFD 40V AL EL	1	C3
4	4		1014139-00	.0022 MFD 600V 10% \$	2	C4,C6
5	5		1010274-00	.22 MFD 50V XZ 7C023 CER.	5	C5,C10,C17,C23,C24
6	6		1000042-00	1000.0 MMF 100V 5X200PPM DM15S (10-00	8	C7,C9,C11-C16
7	7		1004814-00	.47 MFD 20V 10% 150D S.TA (10-00	1	C8
8	8		1000004-00	.02 MFD 100V 20% Z5U DISC	2	C18,C19
9	9		1001610-01	.01 MFD 100V OR 50V Z5U DISC/B00PF MIN	1	C20
10	10		1014260-00	11,000 MFD 6.3V AL EL	2	C21,C25
11	11		1014260-01	3700 MFD 25V AL EL \$	1	C22
12	12		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	14	D1-D4,D11-D14,D17,D25,D27, CONT D30-D32
13	13		1114245-00	NBS30600LPIV=600 I=30A	1	D5
14	14		1112594-02	A115M PIV=600 I= 3A \$	2	D9,D16
15	15		1112595-02	A114M PIV=600 I=11A	2	D10,D15
16	16		1105648-00	1N 4744 VZ= 15.0 10% 1W Y	1	D33
17	17		1212297-02	MATE-N-LOK 9PIN UNIV HEADER	1	J1
18	18		1213463-03	BLOCK,TERM 6POS	1	J2
19	19		1214257-00	EDGE CARD 12PIN STRAIGHT \$	1	J3
20	20		1214257-01	EDGE CARD 15PIN STRAIGHT \$	1	J4
21	21		1112595-01	A114B PIV=200 I= 1A	1	D19
22	22		1211987-01	HEAT SINK 19.8WATTS 1.75" LG	4	
23	23		1211987-02	HEAT SINK 19.8WATTS 3.50" LG	1	
24	24		1214256-00	BUS BAR,KRYPTON	2	
25	25		1912108-00	339 VOLT CMFRT,QUAD	1	E1
26	26		1214259-02	THERMOSTAT,00185,C0148	1	S1
27	27		1314270-02	2.5 15% THERMISTOR	2	R1,R2
28	28		1314088-00	20 K 5W 5% WW (13-00	2	R3,R4
29	29		1301952-00	1 K 2W 5% CC (13-00	2	R5,R8

REVISION HISTORY				VARIATIONS FOR THIS ASSY.			
CHK	ECD NO	REV		FIRST USED ON:			
			00	DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
P.G	00003	E		MADE BY: R.KOPFENAL	DATE: 01-FEB-78	TITLE	
KG	00004	F				PARTS LIST	
				CHECKED: K.GLEEZEN	DATE: 01-FEB-78	MASTER BOARD	
				DSN.ENG.: J.GREGORICH	DATE: 01-FEB-78		
				PROD.: R.HAMILTON	DATE: 01-FEB-78	SIZE CODE	DOCUMENT NUMBER
						K PL	5412530-0-DBP
				RESP.ENG.: J.GREGORICH	DATE: 01-FEB-78	ASSY.NO.: E-UA-5412530-0-0	EDIT#
							7

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LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
30	30		1305428-00	1.0 2W 5% WW (13-00	3	R6,R7,R37
31	31		1110488-00	1N 4733 VZ= 5.1 10% 1W N	1	D18
32	32		1301499-00	1 K 1W 10% CC (13-00	2	R9,R12
33	33		1300232-00	100 1W 5% CC (13-00	2	R10,R13
34	34		1314239-00	33 3W 5% WW (13-00	1	R11
35	35		1310632-00	2.37 K 1/4W 1% RN55D-F 100PPM (13-00	2	R15,R17
36	36		1303044-00	100 K 1/4W 1% RN55D-F 100PPM (13-00	1	R16
37	37		1304843-00	243 K 1/4W 1% RN55D-F 100PPM (13-00	1	R18
38	38		1313014-00	.01 3-3/4W 3% WW (13-00	3	R19-R21
39	39		1300365-00	1 K 1/4W 5% CC (13-00	3	R22,R25,R32
40	40		1309595-00	1 M 1/4W 5% CC (13-00	4	R23,R26,R38,R39
41	41		1302666-00	10 M 1/4W 5% CC (13-00	2	R24,R27
42	42		1300202-00	47 1/4W 5% CC (13-00	2	R28,R29
43	43		1301317-00	10 1/4W 5% CC (13-00	2	R30,R31
44	44		1614274-00	XFMR P=AB S=87V \$	1	T1
45	45		1614272-00	PULSE XFMR, 4 WOUND	1	T2
46	46		1614275-00	XFMR P=200-375V S=500J.5A	1	T3
47	47		1614273-00	PULSE XFMR, TRI-WOUND	1	T4
48	48		1614261-00	CHOKE, DUAL 24UH-BOUN	2	L1,L2
49	49		1912048-02	DEC 7812-02 VOLT.REG.FIX T12V 1.5A T	1	Z1
50	50		9009798-00	SPACER, CERAMIC, .186 ODX.078 IDX.75 LG	2	
51	51		9009676-00	TERMINAL, SOLDER, FOR TERMINAL	12	
52	52		9009149-00	PIN, STAKING, P.C. BOARD, .025 X .025	20	JS-J7
53	53		9006071-01	SCREW, PAN, PHIL, 10-32X 3/8 SS/PAS	4	
54	54		9006660-00	WASHER, FLAT, .375 O.D. X .187 I.D. X .036	4	
55	55		9006636-00	WASHER, LOCK, INT, .3800D X .200ID X .022 THK	17	
56	56		9006564-00	NUT, HEX, 10-32X3/8 AF X 1/8 THK SS/	12	
57	57		9006021-01	SCREW, PAN, PHIL, 6-32X 5/16 SS/PAS	15	
58	58		9006633-00	WASHER, LOCK, INT, .2800D X .146ID X .018 THK	8	
59	59		9008185-00	NUT, KEP, 6-32X1/4 AF CS/	2	
60	60	D-IA-7013668-0-0	7013668-00	P.C. BOARD STIFFENER	1	
61	61	C-MD-7418435-0-0	7418435-00	HEAT SINK	12	
62	62		9009947-00	STANDOFF, NYLON, 10-32 X 1/4 \$	12	
63	63		9006844-00	SPACER, HEX, ALUM. 6-32, .250 X .375 LG	7	
64	64		9006653-00	WASHER, FLAT, .375 O.D. X .156 I.D. X .036	2	
65	65		9107240-00	WRAP, CABLE, .2500D VINYL (91-00 A/R		
66	66		9006020-01	SCREW, PAN, PHIL, 6-32X 1/4 SS/PAS	2	
67	67		9006565-00	NUT, KEP, 10-32X 3/8 AF CS/	1	
68	68		1113496-01	UES602 FIV=100 I=30A T03	2	D20,D21
69	69		1114246-00	UES-2603 FIV=150 I=30A T03	1	D22
70	70		1111205-00	SCREENED VZ= 5.7 2% .40W	1	D24
71	71		1109988-00	1N 964B VZ= 13.0 5% .40W Y	1	D26
72	72		1110615-00	MR 752 FIV=200 I=22A A264 SM	2	D28,D29
73	73		1514195-00	2N 6547 PNP 400V SI 15A	2	Q1,Q2
74	74		1510969-00	2N 5038 NPN 140WC SI 90.50 Y	1	Q3
75	75		1510877-00	2N 6028 UJT 300MW R67B	2	Q4,Q5
76	76		1505867-00	2N 4441 SCRW 50V & 8A	1	Q6
77	77		9107460-22	WIRE, STRND, 20AWG, IFVC UL1429 (91-00 A/R		W1-W5

TITLE	PARTS LIST	SIZE	CODE	DOCUMENT NUMBER	REV
DIGITAL EQUIPMENT CORPORATION	MASTER BOARD	K	PL	5412530-0-DBP	F
MAYNARD, MASSACHUSETTS					

AUTOMATED BY PRTLST 1D(7)

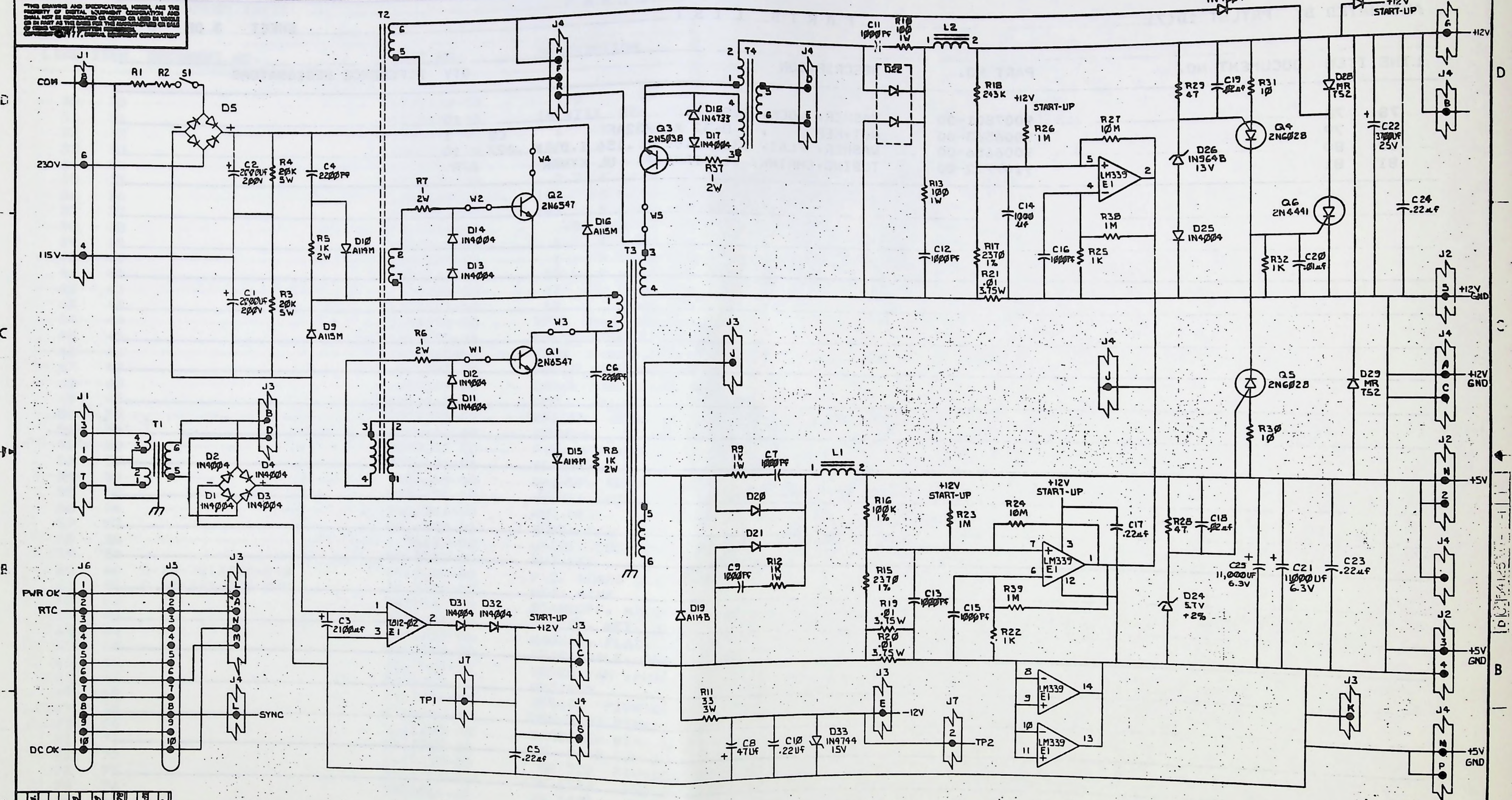
PARTS LIST

SHEET 3 OF 3

LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
78	78		9007801-00	WASHER, LOCK, S.S. #4	12	
79	79		9006563-00	NUT, KEF, 8-32 X11/32AF	CS 1	
80	80		9006656-00	WASHER, FLAT, .312 O.D. X .156 I.D. X .027	10	
81	81		9107772-00	TUBING, SHRINK, .187ID EXP, UL KYNAR	A/R	

DIGITAL EQUIPMENT CORPORATION	TITLE	PARTS LIST	SIZE	CODE	DOCUMENT NUMBER	REV
MAYNARD, MASSACHUSETTS	MASTER BOARD		K	PL	5412530-0-DBP	F

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REV.	DATE	BY	CHKD.	DESCRIPTION
1	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00002 C
2	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00003 D
3	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00004 E
4	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00005 F
5	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00006 G
6	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00007 H
7	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00008 I
8	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00009 J
9	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00010 K
10	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00011 L
11	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00012 M
12	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00013 N
13	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00014 O
14	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00015 P
15	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00016 Q
16	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00017 R
17	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00018 S
18	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00019 T
19	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00020 U
20	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00021 V
21	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00022 W
22	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00023 X
23	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00024 Y
24	1-1-77	J. GREGORICH	J. GREGORICH	15412530-00025 Z

DRM 2-4-77	FIRST USED ON	H786
CHKD. 2-4-77	TITLE	MASTER BOARD
ENGR. 2-4-77	SIZE	D
PROJ. ENGR. 2-4-77	CODE	CS 5412530-0-1
PROJ. 2-4-77	NUMBER	1
NEXT HIGHER ASSY.	REV.	E
E-1A-5412530-0-0	SCALE	1
SHEET 1	OF 1	DIST.

[illegible]

REWORK INSTRUCTIONS

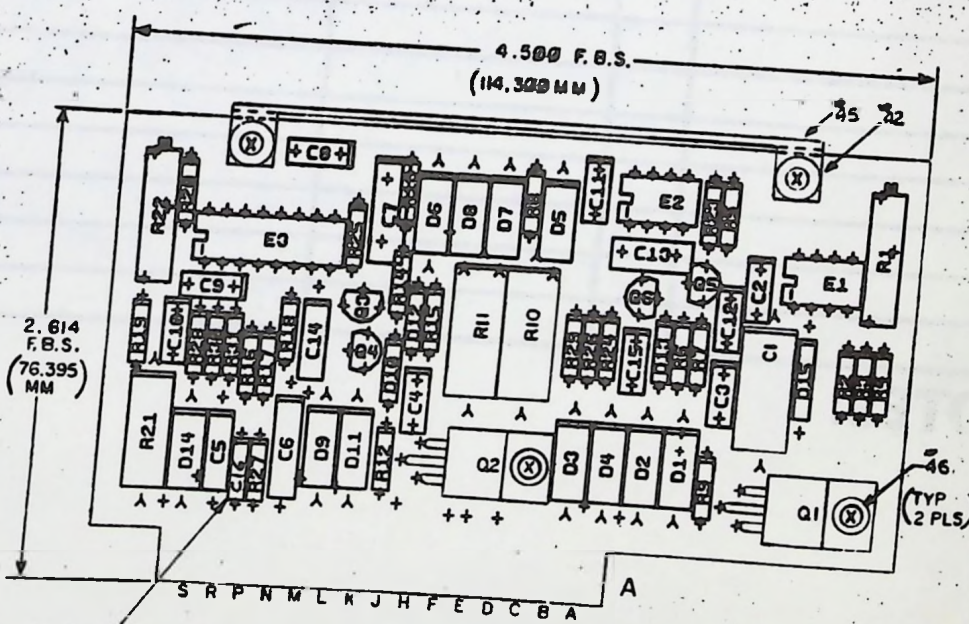
ETCH CUTS SIDE 1
 Ø-1. FROM AL1 TO F/T BETWEEN C6 & D9
 ETCH CUTS SIDE 2
 Ø-2. FROM AL2 TO F/T BETWEEN C6 & D9
 ECO #2

COMPONENT DELETES SIDE 1:
 2-1. R32 (P/N 1301424)
 COMPONENT ADDS SIDE 1:
 2-2. C16 (P/N 1000016)

NOTES:

1. THIS BOARD REQUIRES U/L APPROVAL
 2. THIS BOARD WILL NOT BE G.R. TESTED

CHANGE NO	REV	DATE	BY	CHKD
1	1	5-4-77	J. GREGORICH	J. GREGORICH
2	2	5-11-77	J. GREGORICH	J. GREGORICH
3	3	5-11-77	J. GREGORICH	J. GREGORICH
4	4	5-11-77	J. GREGORICH	J. GREGORICH
5	5	5-11-77	J. GREGORICH	J. GREGORICH
6	6	5-11-77	J. GREGORICH	J. GREGORICH
7	7	5-11-77	J. GREGORICH	J. GREGORICH
8	8	5-11-77	J. GREGORICH	J. GREGORICH



ETCH REV.	DATE	BY	CHKD
1	5-4-77	J. GREGORICH	J. GREGORICH
2	5-11-77	J. GREGORICH	J. GREGORICH
3	5-11-77	J. GREGORICH	J. GREGORICH
4	5-11-77	J. GREGORICH	J. GREGORICH
5	5-11-77	J. GREGORICH	J. GREGORICH
6	5-11-77	J. GREGORICH	J. GREGORICH
7	5-11-77	J. GREGORICH	J. GREGORICH
8	5-11-77	J. GREGORICH	J. GREGORICH

SIGNATURES	DATE	TITLE
DRN. J. GREGORICH	5-4-77	digital
CHK. D. J. GREGORICH	5-11-77	
ENG. J. GREGORICH	5-11-77	
PROJ. ENG. J. GREGORICH	5-11-77	
PROD. J. GREGORICH	5-11-77	
SCALE 2/1		
SHT. 1 OF 3		
NEXT HIGHER ASSY. B-00-5412532-0-0		

1 MS#10/582

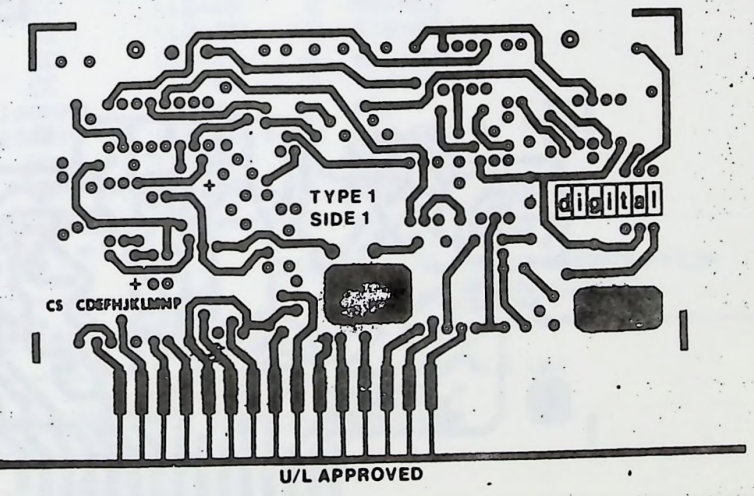
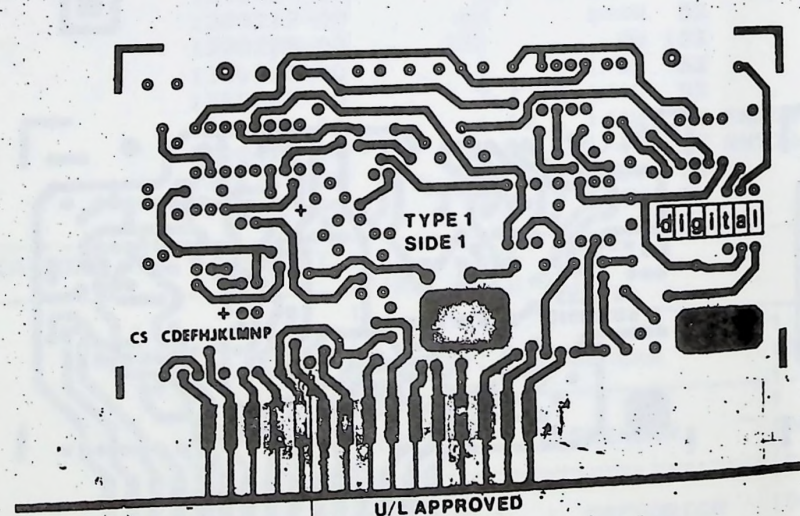
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5412532 5012531D



5412532 5012531D



O-1
TYP

VIEWED FROM SIDE 1

REVISIONS		
CHK	CHANGE NO	REV

DEC FORM NO 117

8

7

6

5

4

3

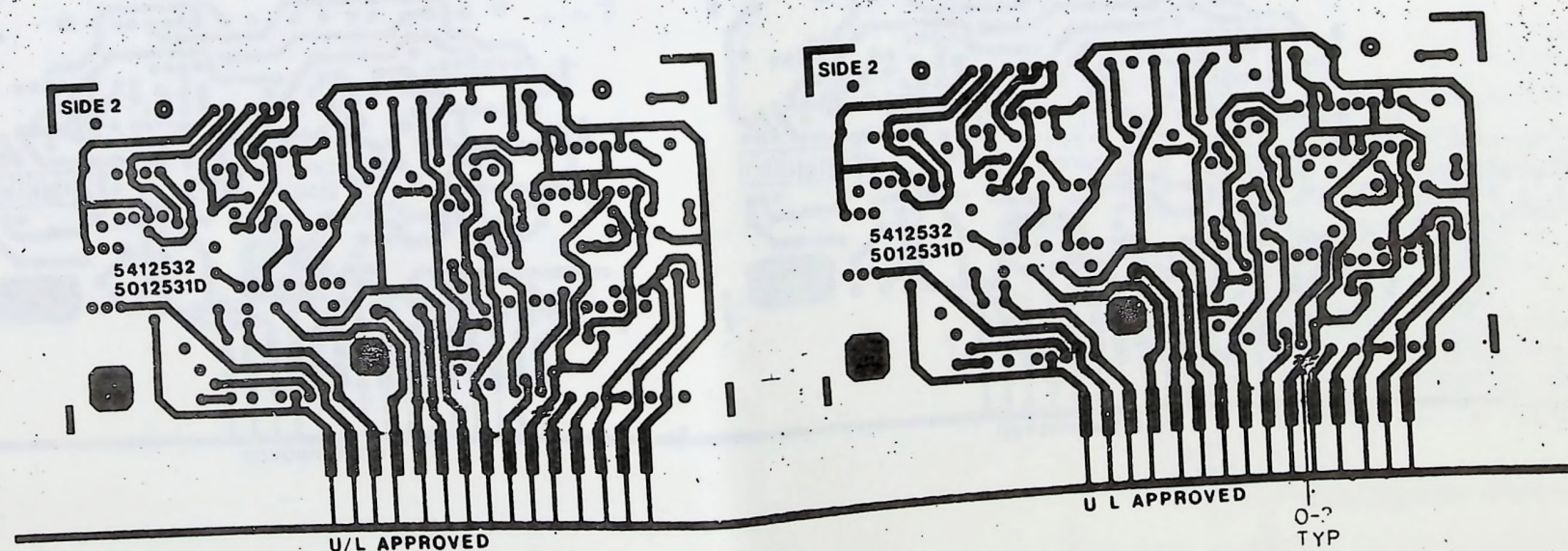
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1

TITLE		SIZE CODE		ALASCH		REV	
H786 CONTROL BOARD		D UA		E412532 -0-0		F	
SCALE 2:1		SHEET 2 OF 3		DIST			

51

DO NOT SCALE DRAWING. DIMENSIONS ARE GIVEN IN INCHES. DIMENSIONS IN PARENTHESES ARE FOR INFORMATION ONLY. DIMENSIONS IN PARENTHESES ARE FOR INFORMATION ONLY. DIMENSIONS IN PARENTHESES ARE FOR INFORMATION ONLY.



VIEWED FROM SIDE 2

REVISIONS		
CHK	CHANGE NO	REV.

TITLE			SIZE CODE		NUMBER			REV.		
H786 CONTROL BOARD			D UA		5412532			-0=0 F		
SCALE 2:1		SHEET 3 OF 3		DIST						

LINE ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1	D-MU-5012531-0-0	5012531-00	5412532	1
2	2	1000039-00	.056 MFD 200V 10% 663UW MYLR	(10-00	1 C1
3	3	1000009-00	33.0 MMF 100V 5%200PPM DM15S	(10-00	1 C2
4	4	1000055-00	2200. MMF 250V 20% Y5S DISC		2 C3,C4
5	5	1002627-00	2.2MFD 20V 10% 150D S.TA	(10	1 C5
6	6	1005784-00	.01 MFD 100V 10% 663UW MYLR	(10-00	1 C6
7	7	1010274-00	.22 MFD 50V XZ 7C023 CER.		4 C8,C10-C12
8	8	1000042-00	1000.0 MMF 100V 5%200PPM DM15S	(10-00	1 C13
9	9	1000016-00	100.0 MMF 100V 5%200PPM DM15S	(10-00	3 C9,C15,C16
10	10	1005328-00	.33 MFD 20V 10% 150D S.TA	(10-00	1 C14
11	11	1112595-00	A114F PIV= 50 I= 1A		4 D1-D3,D5
12	12	1112595-01	A114B PIV=200 I= 1A		7 D4,D6-D9,D11,D14
13	13	1100114-00	D 664 QS\75PCB PIV= 25V SP		3 D10,D12,D13
14	14	1109991-01	4M6.BAZ1 VZ= 6.8 1% .40W		1 D15
15	15	1309143-07	1 K 3/4W10% POT 100PPM		2 R1,R22
16	16	1304868-00	2.74 K 1/4W 1% RN55D-F 100PPM	(13-00	1 R2
17	17	1304833-00	1.96 K 1/4W 1% RN55D-F 100PPM	(13-00	1 R3
18	18	1300488-00	12 K 1/4W 5% CC	(13-00	1 R4
19	19	1303187-00	820 K1/4W 5% CC	(13-00	1 R5
20	20	1300271-00	220 1/4W 5% CC	(13-00	2 R6,R14
21	21	1301317-00	10 1/4W 5% CC	(13-00	3 R7,R15,R25
22	22	1300417-00	2.2 K 1/4W 5% CC	(13-00	1 R8
23	23	1300219-00	68 1/4W 5% CC	(13-00	2 R9,R12
24	24	1300288-00	270 2W 10% CC	(13-00	2 R10,R11
25	25	1300365-00	1 K 1/4W 5% CC	(13-00	2 R13,R26
26	26	1309680-00	2.7 M 1/4W 5% CC	(13-00	2 R16,R17
27	27	1314187-00	6.19 K 1/4W 1% RN55D-F 100PPM	(13-00	1 R18
28	28	1309413-00	3.83 K 1/4W 1% RN55D-F 100PPM	(13-00	2 R19,R20
29	29	1314239-00	33 3W 5% MW	(13-00	1 R21
30	30	1300426-00	2.7 K 1/4W 5% CC	(13-00	1 R23

REVISION HISTORY			VARIATIONS FOR THIS ASSY.			FIRST USED ON:		DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
CHK	ECO NO	REV				MADE BY:	R.BUREAU	DATE:	16-FEB-78	TITLE	
P.G	00003	F				CHECKED:	K.GLEASON	DATE:	16-FEB-78	PARTS LIST	
						DSN.ENG.:	J. GREGORICH	DATE:	16-FEB-78	CONTROL BOARD	
						PROD.:	R.HAMILTON	DATE:	16-FEB-78	SIZE	CODE
						RESP.ENG.:	J.GREGORICH	DATE:	16-FEB-78	DOCUMENT NUMBER	REV
										K	PL
										5412532-0-0	F
										ASSY.NO.:	D-UA-5412532-0-0
										EDIT#	4

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AUTOMATED BY PRTLST 1D(10)

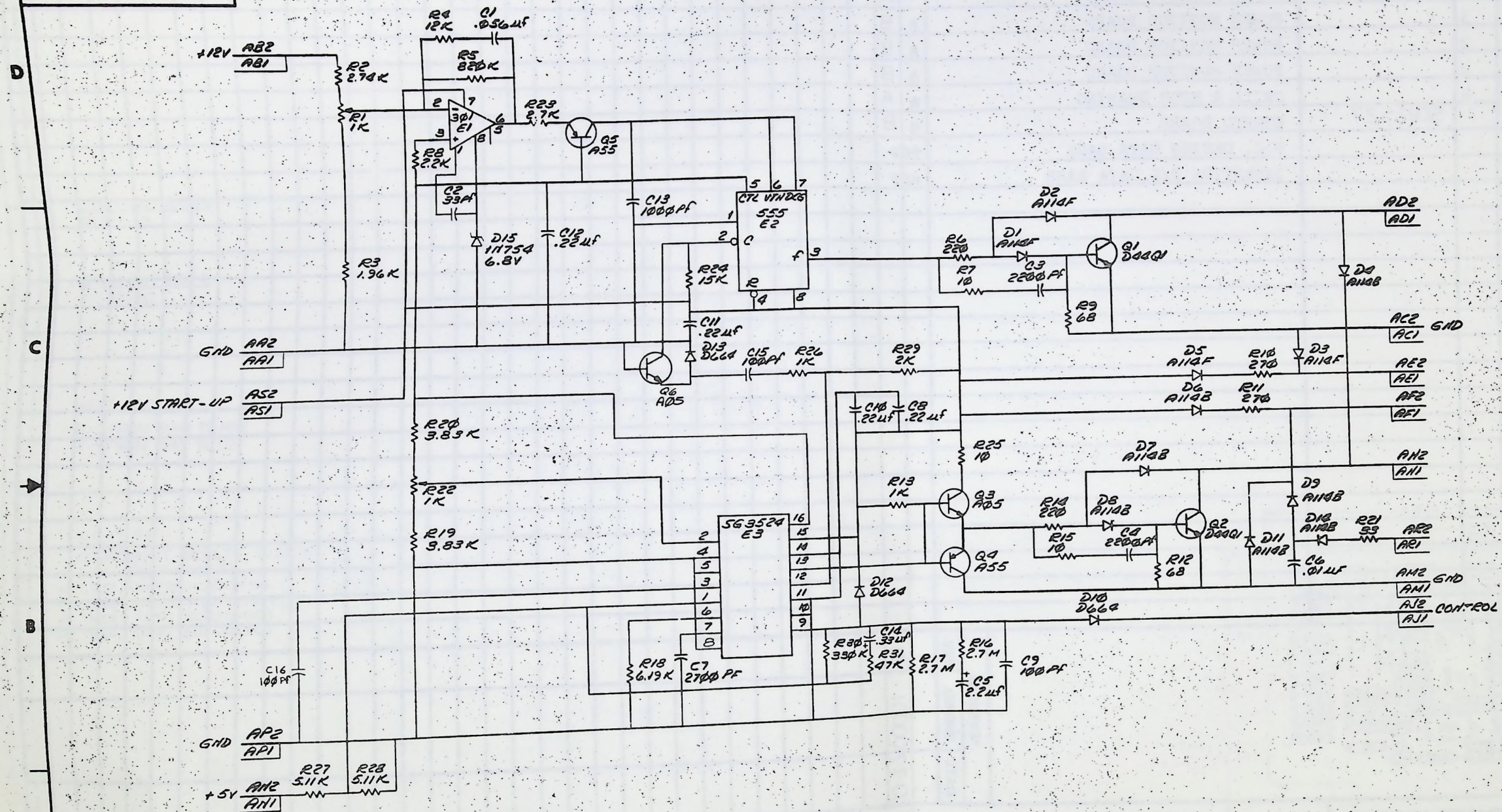
PARTS LIST

SHEET 2 OF 2

LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
31	31		1300496-00	15 K 1/4W 5% CC	(13-00)	1 R24
32	32		1304854-00	5.11 K 1/4W 1% RN55D-F 100PPM	(13-00)	2 R27,R28
33	33		1302388-00	2 K 1/4W 5% CC	(13-00)	1 R29
34	34		1302091-00	330 K 1/4W 5% CC	(13-00)	1 R30
35	35		1302177-00	47 K 1/4W 5% CC	(13-00)	1 R31
36	36		1514271-00	D 44Q1 NPN 4WC SI125 20		2 Q1,Q2
37	37		1510705-00	XA 05 NPN 500MW SI 60 50 P		2 Q3,Q6
38	38		1510706-00	XA 55 PNP 500MW SI 60 50 P		2 Q4,Q5
39	39		1910282-00	301AN OP AMP		1 E1
40	40		1911944-00	555CN TIMER,FUNCT.BLOCK		1 E2
41	41		1914250-00	3524 MODULATOR-REGULATING PULSE WID		1 E3
42	42		9009000-00	EYELET, ROLLED FLANGE, .121 OD X .156 LG		2
43	43		1014170-00	2700.0 MMF 100V 1% 70PPM	(10-00)	1 C7
44	44		7418695-00	BAR, MODULE LOCKING		1
45	45		9006732-00	EYELET, ROLLED FLANGE, .121 OD X .219 LG		2

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE PARTS LIST CONTROL BOARD	SIZE K	CODE PL	DOCUMENT NUMBER 5412532-0-0	REV F
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REV.	CHANGE NO.	DATE	BY	CHK.
1	5412532-00002	D	J. GREGORICH	
2	5412532-00003	D	J. GREGORICH	

DRN: 5412532-00002	FIRST USED ON: H786	digital
CHK: 5412532-00003	TITLE: CONTROL BOARD	
ENG: J. GREGORICH 8-1-77	PROJ. ENG: J. GREGORICH 8-1-77	
PROD. & 4-1-78		
NEXT HIGHER ASSY: D-UA-5412532-0-0	SIZE CODE: D CS	NUMBER: 5412532-0-1
SCALE: 1 OF 1	DIST.	REV. D

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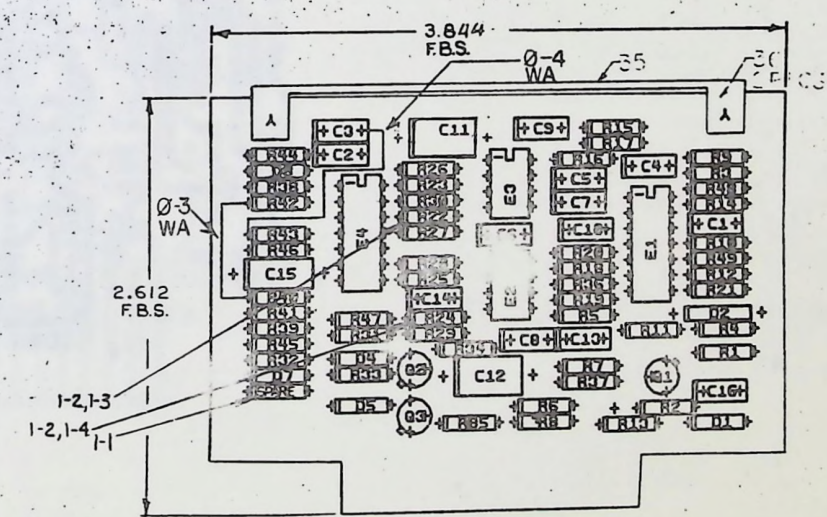
COMPONENT SIDE VIEW

ETCH CUT SIDE 1
Ø-1 AT R43

ETCH CUT SIDE 2
Ø-2 AT R42

WIRE ADD SIDE 1
Ø-3 FROM R40 TO R42
Ø-4 FROM R43 TO C3

E.C.O. #1
COMPONENT DELETE SIDE 1:
1-1 D6 (P/N: 1100114)
1-2 R22, R24 (P/N: 1300479)
COMPONENT ADD SIDE 1:
1-3 R22 (P/N: 1303311-00)
1-4 R24 (P/N: 1302685-00)



NOTES:

CHANGE NO	REV	DATE	BY	CHKD	APPD
1	B	11/27/77	W. GORICH		
2	A	11/27/77	W. GORICH		

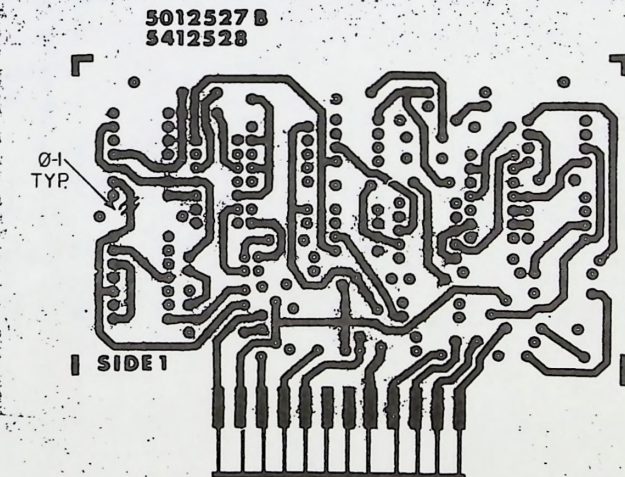
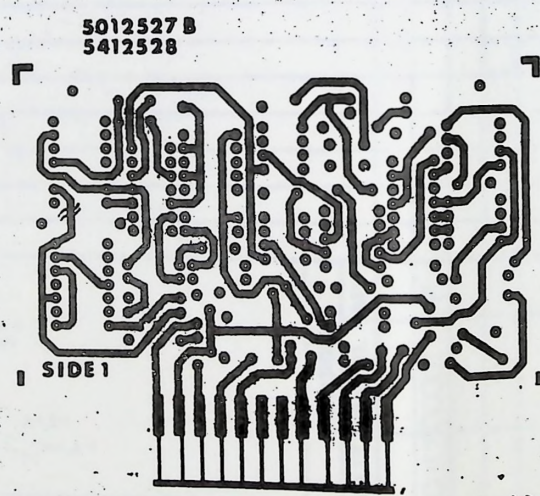
ETCH REV. B
P.C. DESIGN DATA SIDE REV. B

SIGNATURES	DATE	TITLE
DRN. G. A. O'Neil	11/27/77	digital
CHK'D. G. A. O'Neil	11/27/77	
ENG. J. J. O'Neil	11/27/77	
PROJ. ENG. J. J. O'Neil	11/27/77	
PROD. P. J. O'Neil	11/27/77	
SCALE 2/1		
SHT. 1 OF 3		
NEXT HIGHER ASSY. 1-DD-5412528-0		

SIZE	CODE	NUMBER	REV
1	MS#104	384	B

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9 0-0- M10 2



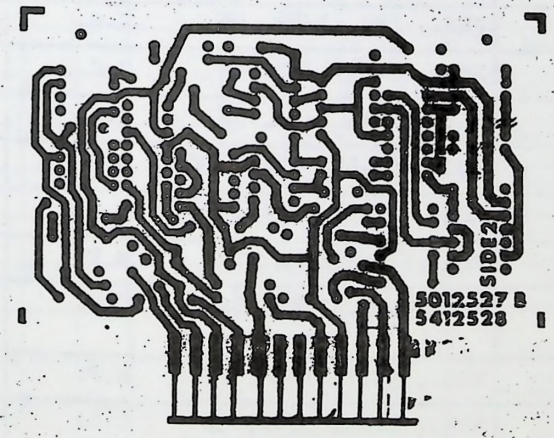
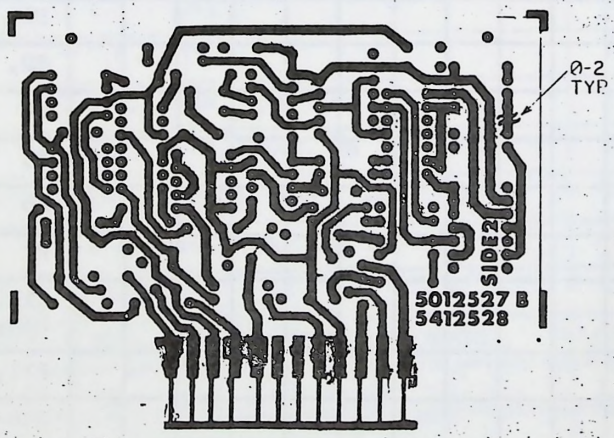
VIEWED FROM SIDE 2

REVISIONS		
QIR	CHANGE NO	REV

TITLE		H786 POWER MONITOR		SIZE CODE		SUMMER		REV.	
SCALE	2:1	SHEET	2 OF 3	D	UA	5412528	-0-0	B	

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0-0-325211-3 M10 2



MS 104584

VIEWED FROM SIDE 2

REVISIONS		
CHK	CHANGE NO	REV

TITLE H786 POWER MONITOR		SIZE/COMP DUA		NUMBER 5-12528-0-0		REV B
SCALE 2:1	SHEET 5 OF 3	LIST				

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY R. KOPPENAL DATE 7 APR 77		CHECKED <i>[Signature]</i> DATE 8-3-77		SECTION 1															
ENG <i>Jim Dreyer</i> D83 DATE 8-1-77		PROD <i>Ralph Hamilton</i> DATE 8-1-77		ISSUED SECTION 1															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION		5412528-0-0												REF DESIGNATION		
1	D-MD-5012527-0-0	5012527	ETCHED CIRCUIT BOARD		1														
2		1010274	CAP., .22 UF, +80% -20% CER.		8												C1, C2, C3, C4, C9, C10, C13, C16		
3		1000016	CAP., 100 PF, 100V MICA		1												C14		
4		1001610-00	CAP., .01 UF, 50V CER		2												C7, C8		
5		1010031-03	CAP., .22 UF, ±10% POLYCAPB		2												C11, C12		
6		1005116	CAP., .0033 UF, 200V MYLAR		1												C15		
7		1100125	DIODE, 1N758A, 10V		1												D1		
8		1105873	DIODE, 4M5.1, 5.1V		1												D2		
9		1100114	DIODE, D664		4												D4, D5, D7, D8		
10		1301322	RES., 180, 1/4W, 5% C.C.		1												R1		
11		1301808	RES., 22K, 1/4W, 5% C.C.		4												R2, R3, R9, R13		
12		1300247	RES., 120, 1/4W, 5% C.C.		1												R4		
13		1303364	RES., 51.1K, 1/4W, 1% M.F.		1												R5		
14		1311320	RES., 90.9K, 1/4W, 1% M.F.		1												R6		
15		1309289	RES., 63.4K 1/4W, 1% M.F.		1												R7		
16		1300479	RES., 10K, 1/4W, 5% C.C.		10												R10, R17, R20, R38, R42, R49, R35 R32, R33, R34,		
17		1305421	RES., 35.7K, 1/4W, 1% M.F.		2												R11, R12		
18		1300539	RES., 120K, 1/4W, 5% C.C.		1												R14		
19		1305130	RES., 133K, 1/4W, 1% M.F.		1												R8		
20		1309595	RES., 1M, 1/4W, 5% C.C.		6												R15, R18, R30, R37, R36, R44		

E.C.O. NO. 0001		THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION		TITLE POWER MONITOR BOARD		ASSY NO. I-UA-5412528-0-0		SIZE B		CODE PL		NUMBER 5412528-0-0		REV. B	
						SHEET 1 OF 2		INSERTION PARTS LIST DATA BASE REV				R			

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY DATE		CHECKED DATE		SECTION															
ENG DATE		PROD DATE		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF DESIGNATION		
21		1300447	RES., 4.7K, 1/4W, 5% C.C.		2												R16, R19		
22		1301775	RES., 820, 1/4W, 5% C.C.		1												R21		
23		1313167	RES., 833K, 1/4W, 1% M.F.		1												R25		
24		1302395	RES., 56K, 1/4W, 5% C.C.		6												R26, R27, R28, R29, R40, R41		
25		1309680	RES., 2.7M, 1/4W, 5% C.C.		1												R39		
26		1302466	RES., 100K, 1/4W, 5% C.C.		3												R31, R46, R47		
27		1300398	RES., 1.8K 1/4W, 5% C.C.		1												R48		
28		1510705	TRANS., A05		1												Q1		
29		1511686	TRANS., 2N5433		2												Q2, Q3		
30		1912108	I.C., LM339		2												E1, E4		
31		1911944	I.C., 555		2												E2, E3		
32		1305424	RES, 232K, 1/4W, 1% C.C.		1												R23		
33		1314387	RES, 3.9M, 1/4W, 5% C.C.		2												R43, R45		
34		1000042	CAP, 1000PF, 100V, 5% MICA		2												C5, C6		
35		7418695	BAR MODULE LOCKING		1														
36		9C09000	EYELETS		2														
37		9105740-55	WIRE, 30 AWG. KYNAR (GRN)		A/R														
38		1303311-00	RES, 46.4K 1/4W 1% MF		1												R22		
39		1302685-00	RES, 909 1/4W 1% MF		1												R24		

E.C.O. NO.

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TITLE

POWER MONITOR BOARD

ASSY NO.

D-UA-5412528-0-0

SHEET 2 OF 2

SIZE

B

CODE

PL

NUMBER

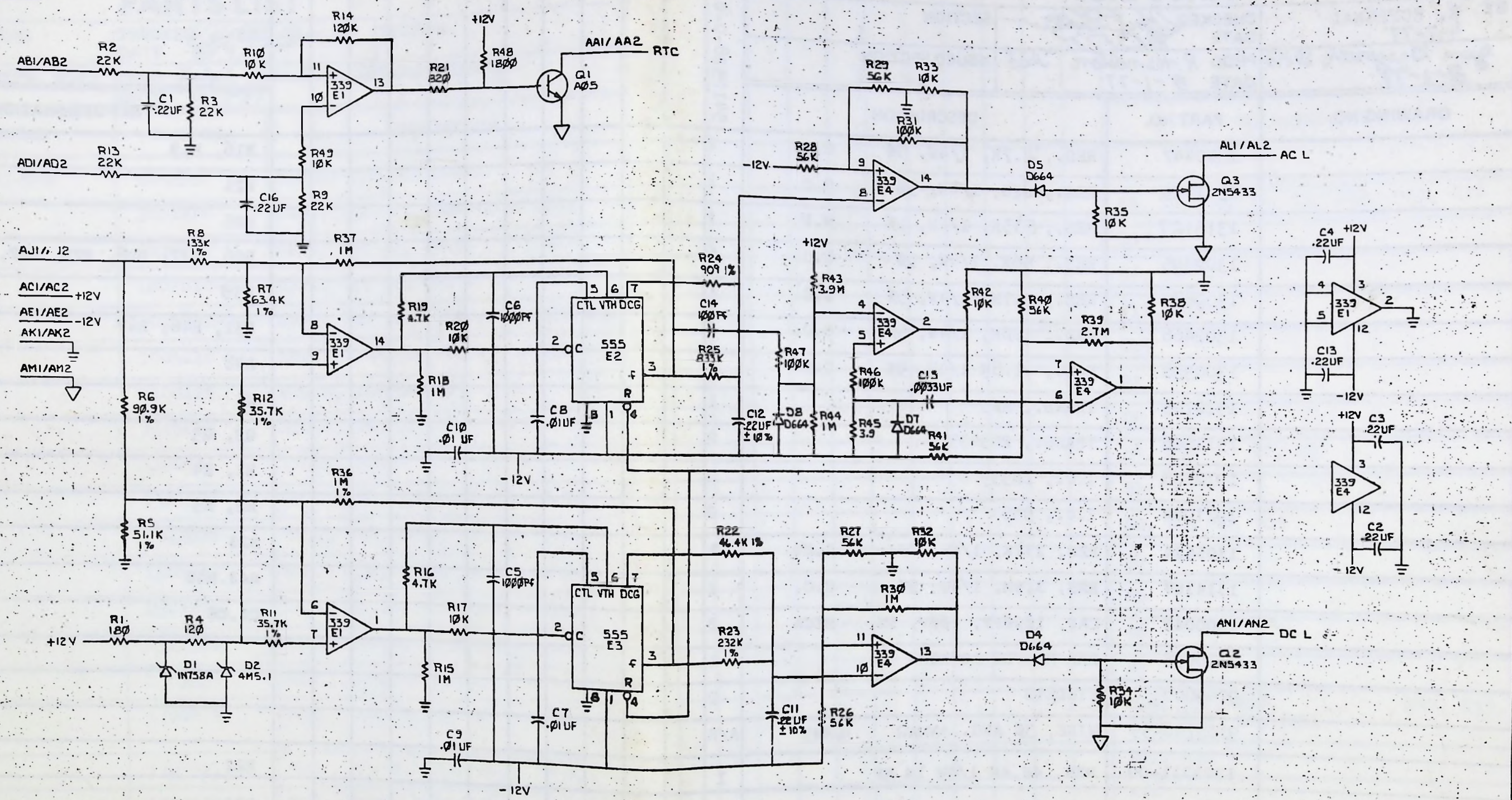
5412528-0-0

REV.

B

INSERTION PARTS LIST DATA BASE REV B

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REV.	DATE	BY	CHKD
1	10-11-77	LB	
2	11-17-77	LB	
3	12-17-77	LB	
4	12-17-77	LB	
5	12-17-77	LB	
6	12-17-77	LB	
7	12-17-77	LB	
8	12-17-77	LB	

DRN. <i>Original</i>	4-6-77	FIRST USED ON	H786
CHKD. <i>Original</i>	8-5-77	TITLE	POWER MONITOR BOARD
ENGL. <i>Original</i>	8-1-77	NUMBER	D CS 5412528-0-1
PROD. ENGL. <i>Original</i>	8-1-77	REV.	B
NEXT HIGHER ASSY.		SIZE CODE	
D-UA-5412582-0-0		DIST.	
SCALE			
SHEET 1 OF 1			