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FIELD MAINTENANCE PRINT SET

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D-CS-5412554-0-1	CIRCUIT SCHEMATIC

UNIT VARIATIONS COVERED BY THIS PRINT SET
H7100-A
H7100-B

H7100 Field Maintenance Print Set

Digital Equipment Corporation

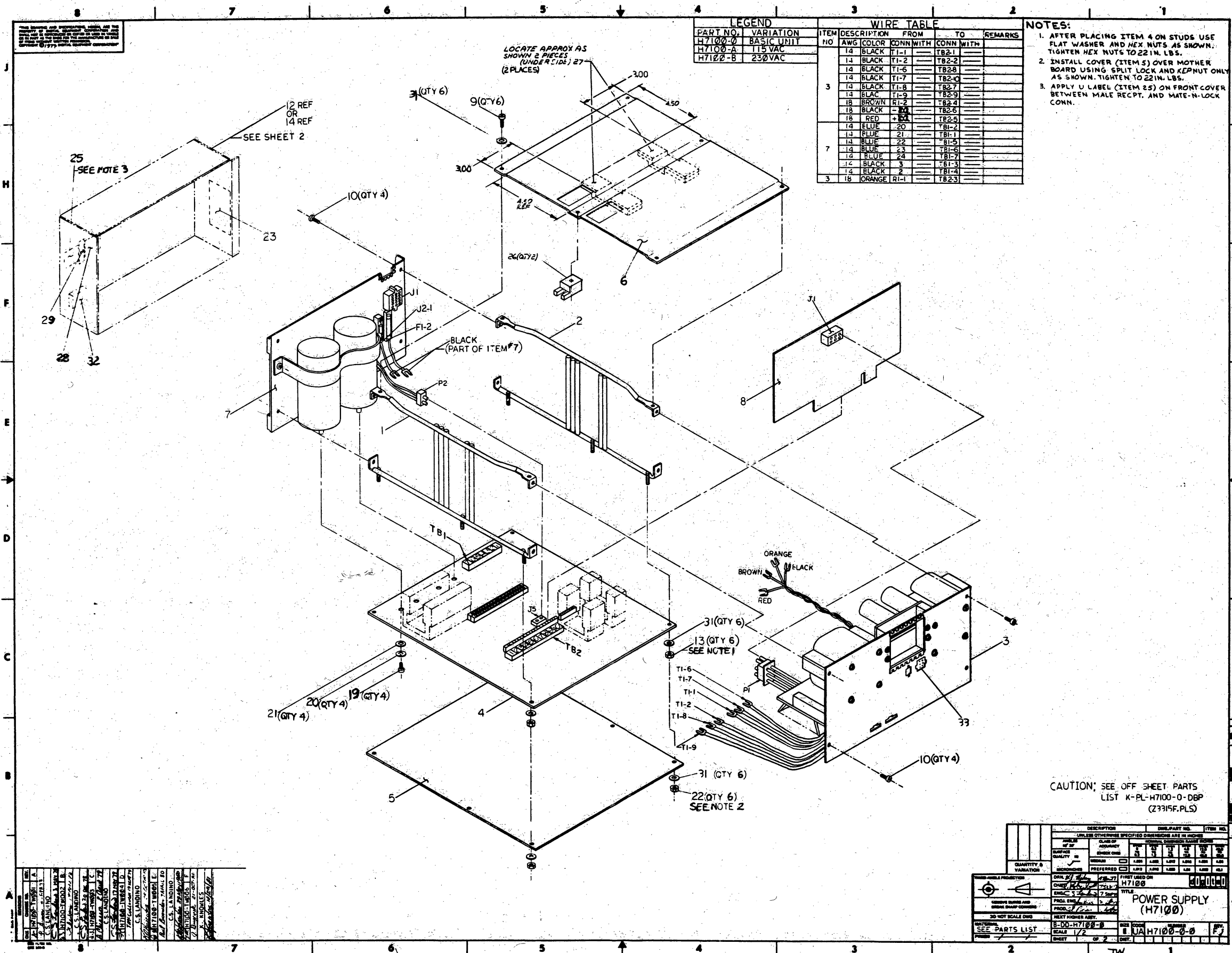
PRINT SET ORDER NO.
MP00480

REVISIONS
CHG. NO.
DATE

REV.	CHG. NO.	DATE

USED ON OPTION/MODEL	DRN.	DATE
PDP11/780	W. J. MAHER	3SEPT77
	CHK'D: P	DATE
	<i>[Signature]</i>	8/25/77
	PROJ. ENG.	DATE
	<i>[Signature]</i>	8/25/77
	FIELD SERV.	DATE
	<i>[Signature]</i>	8/25/77
SHEET I OF 1		

digital					
TITLE: H7100 POWER SUPPLY					
SIZE	CODE	NUMBER	REV.		
B	TC	H7100-0-1			
DIST.					



LEGEND

PART NO.	VARIATION
H7100-0	BASIC UNIT
H7100-A	115 VAC
H7100-B	230 VAC

WIRE TABLE

ITEM NO	DESCRIPTION	FROM	TO	REMARKS
3	14 BLACK	TI-1	TB2-1	
	14 BLACK	TI-2	TB2-2	
	14 BLACK	TI-5	TB2-3	
7	14 BLACK	TI-7	TB2-4	
	14 BLACK	TI-8	TB2-7	
	14 BLACK	TI-9	TB2-9	
18	BROWN	RI-2	TB2-4	
	BLACK	RI-2	TB2-4	
	RED	RI-2	TB2-4	
14	BLUE	20	TB1-2	
	BLUE	21	TB1-1	
	BLUE	22	TB1-5	
14	BLUE	23	TB1-5	
	BLUE	24	TB1-7	
	BLACK	3	TB1-3	
14	BLACK	2	TB1-4	
3	18 ORANGE	RI-1	TB2-3	

- NOTES:
- AFTER PLACING ITEM 4 ON STUDS USE FLAT WASHER AND HEX NUTS AS SHOWN. TIGHTEN HEX NUTS TO 22 IN. LBS.
 - INSTALL COVER (ITEM 5) OVER MOTHER BOARD USING SPLIT LOCK AND KEYPIN ONLY AS SHOWN. TIGHTEN TO 22 IN. LBS.
 - APPLY U LABEL (ITEM 25) ON FRONT COVER BETWEEN MALE RECP. AND MATE-N-LOCK CONN.

REV	DATE	DESCRIPTION
1	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
2	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
3	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
4	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
5	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
6	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
7	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
8	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
9	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
10	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
11	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
12	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
13	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
14	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
15	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
16	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
17	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
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23	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
24	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
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27	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
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31	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST
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33	11/10/58	REVISED TO SHOW CHANGES TO PARTS LIST

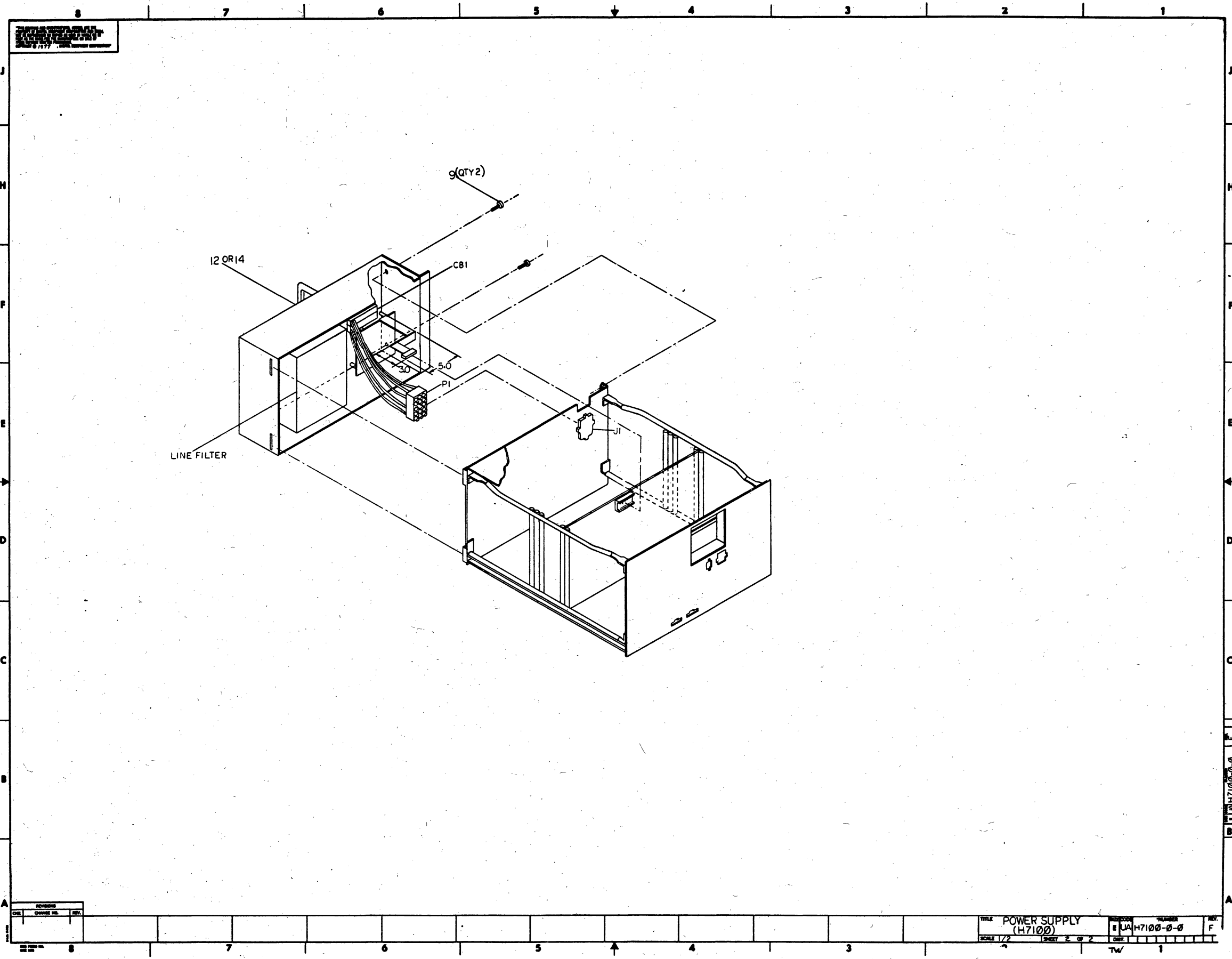
CAUTION: SEE OFF SHEET PARTS LIST K-PL-H7100-0-DBP (23315F.PLS)

DESCRIPTION	QUANTITY	UNIT
POWER SUPPLY (H7100)	1	EA

POWER SUPPLY (H7100)

SCALE 1/2

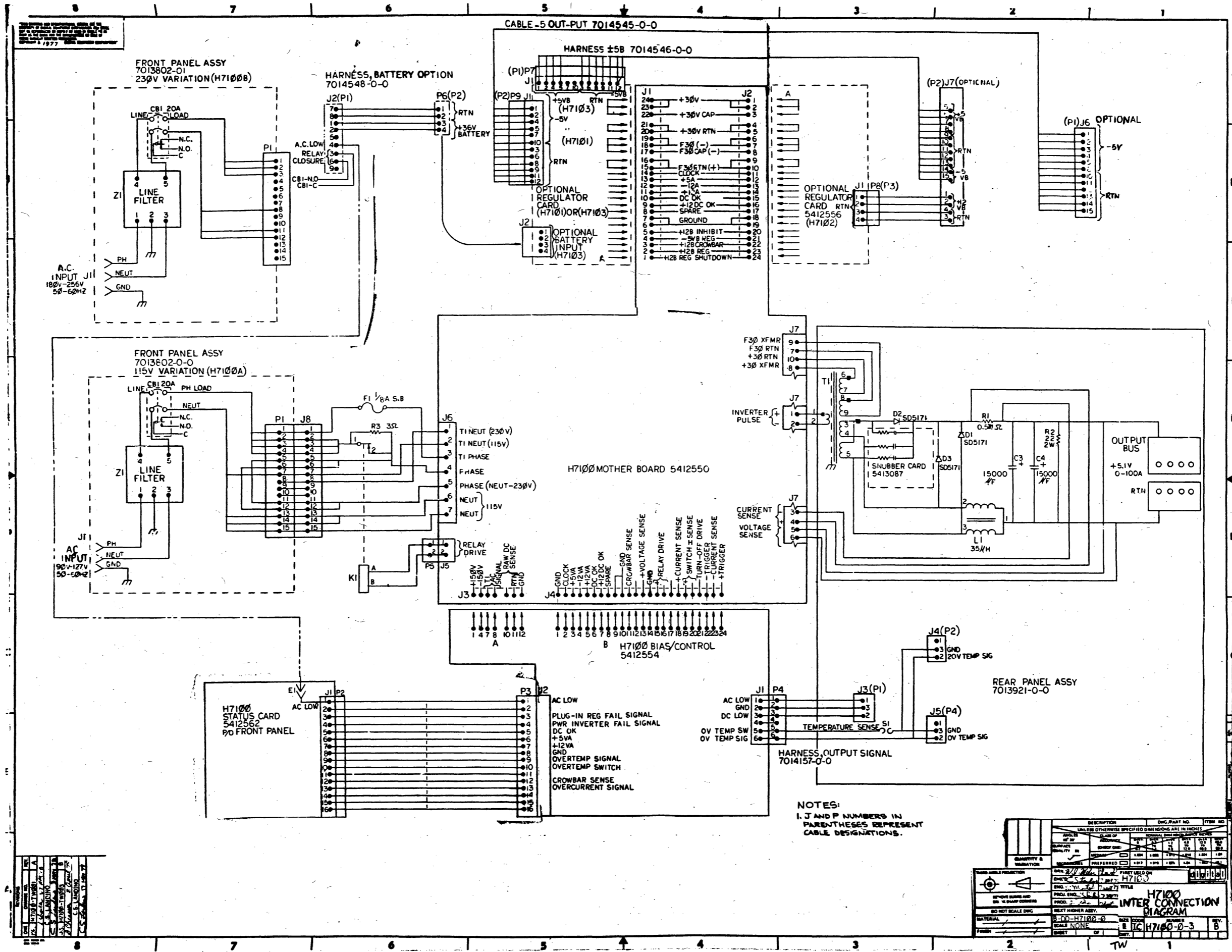
SHEET 1 OF 2



REV	DATE	BY	CHKD

TITLE POWER SUPPLY (H7100)
 SCALE 1/2
 SHEET 2 OF 2
 PART NUMBER JA H7100-0-0
 REV. F

1206

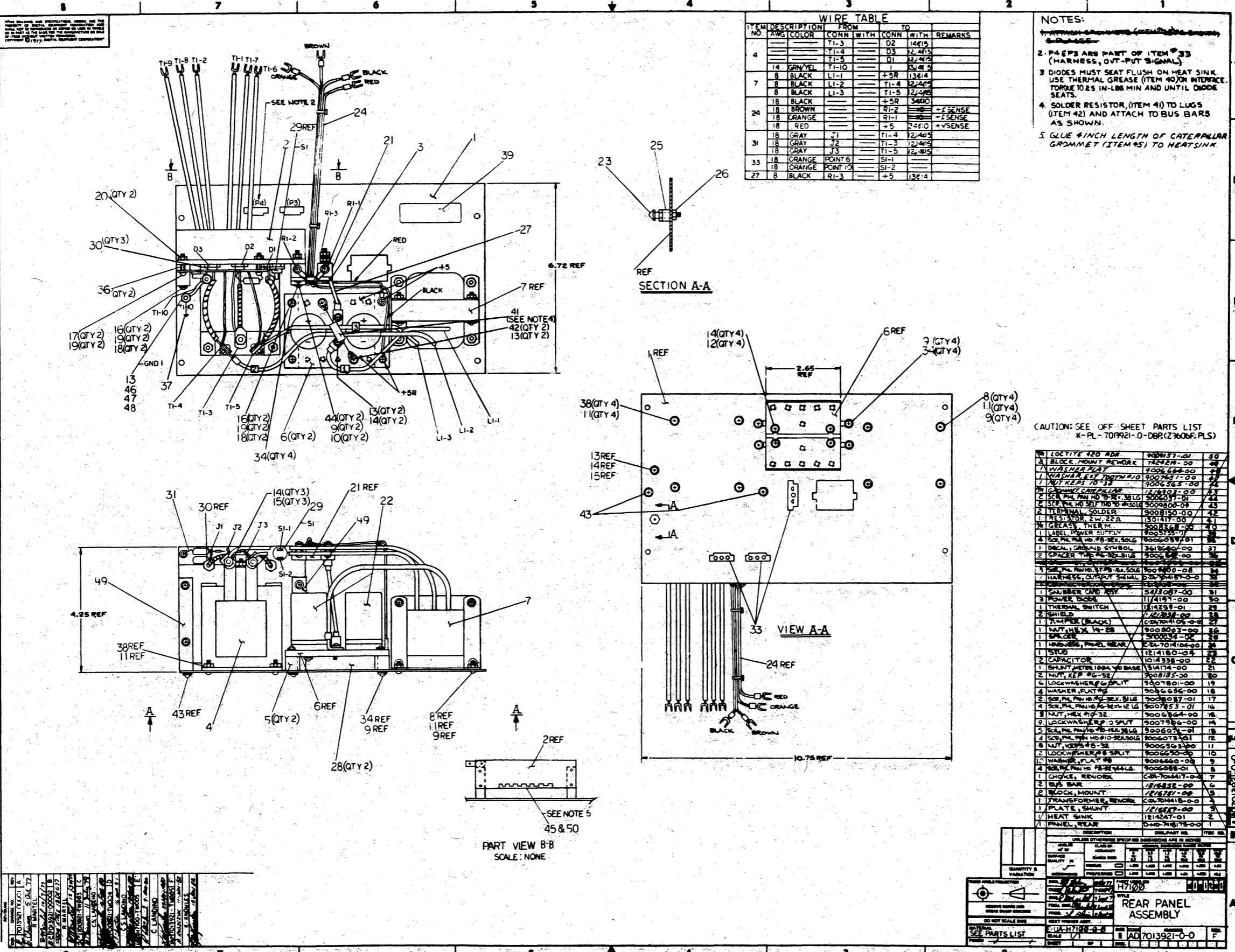


REVISIONS
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NOTES:
 I, J AND P NUMBERS IN PARENTHESES REPRESENT CABLE DESIGNATIONS.

REV.	DESCRIPTION	DATE	BY	CHKD.
1	INITIAL RELEASE	10/1/77	J. J.
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1207



WIRE TABLE						
ITEM NO.	DESCRIPTION	FROM	TO	REMARKS		
4		T1-3	D2	14415		
		T1-4	D3	12, 443		
		T1-5	D1	12, 443		
		T1-10	D1	12, 443		
7	8 BLACK	LI-1	+5R	13, 614		
	8 BLACK	LI-2	T1-4	12, 443		
	8 BLACK	LI-3	T1-5	12, 443		
	18 BLACK		+5R	3400		
24	18 BROWN		R1-2		-E SENSE	
	18 ORANGE		R1-1		-E SENSE	
	18 RED		+5	2420	+V SENSE	
31	18 GRAY	J1	T1-4	12, 443		
	18 GRAY	J2	T1-3	12, 443		
	18 GRAY	J3	T1-5	12, 443		
33	18 ORANGE	POINT 6	SI-1			
	18 ORANGE	POINT 10	SI-2			
27	8 BLACK	R1-3	+5	13, 614		

NOTES:
 1. ATTACH TO REAR PANEL WITH SCREWS.
 2. P4 & P5 ARE PART OF ITEM 33 (HARNESS, OUT-PUT SIGNAL).
 3. DIODES MUST SEAT FLUSH ON HEAT SINK. USE THERMAL GREASE (ITEM 40) ON INTERFACE. TORQUE TO 25 IN-LBS MIN AND UNTIL DIODE SEATS.
 4. SOLDER RESISTOR (ITEM 41) TO LUGS (ITEM 42) AND ATTACH TO BUS BARS AS SHOWN.
 5. GLUE 1/4 INCH LENGTH OF CATERPILLAR GROMMET (ITEM 45) TO HEAT SINK.

CAUTION: SEE OFF SHEET PARTS LIST
 K-PL-7019921-0-DBP(23606F-PLS)

QTY	DESCRIPTION	PART NO.	REV.
1	LOCITY 420 ADW	900937-01	00
1	ELECT. POINT NETWORK	745474-00	00
1	WASHER PLAT	900744-00	00
1	WASHER, EXT. TOOTH #10	900767-00	00
1	NUT KEYS TO-33	900363-00	00
1	GROMMET, CATERPILLAR	121410-00	00
2	SCR. PL. PH. HD #8-32 X .315	900031-01	00
2	SCR. PL. HD SET. HD #8-32 X .315	900800-09	00
2	TERMINAL SOLDER	900815-00	00
1	RESISTOR 2W. 22.0	150147-00	00
1	GREEN THERM.	900828-00	00
1	LUGS, POWER SUPPLY	900755-01	00
4	SCR. PL. PH. HD. #8-32 X .315	900608-01	00
1	DECAL, GROUND SYMBOL	361200-00	00
2	SPACER 1/4 X 1/8 X .315	900048-00	00
1	WASHER PLAT #8	900666-00	00
1	WASHER PLAT #10	900667-00	00
1	WASHER PLAT #12	900668-00	00
1	WASHER PLAT #14	900669-00	00
1	WASHER PLAT #16	900670-00	00
1	WASHER PLAT #18	900671-00	00
1	WASHER PLAT #20	900672-00	00
1	WASHER PLAT #22	900673-00	00
1	WASHER PLAT #24	900674-00	00
1	WASHER PLAT #26	900675-00	00
1	WASHER PLAT #28	900676-00	00
1	WASHER PLAT #30	900677-00	00
1	WASHER PLAT #32	900678-00	00
1	WASHER PLAT #34	900679-00	00
1	WASHER PLAT #36	900680-00	00
1	WASHER PLAT #38	900681-00	00
1	WASHER PLAT #40	900682-00	00
1	WASHER PLAT #42	900683-00	00
1	WASHER PLAT #44	900684-00	00
1	WASHER PLAT #46	900685-00	00
1	WASHER PLAT #48	900686-00	00
1	WASHER PLAT #50	900687-00	00
1	WASHER PLAT #52	900688-00	00
1	WASHER PLAT #54	900689-00	00
1	WASHER PLAT #56	900690-00	00
1	WASHER PLAT #58	900691-00	00
1	WASHER PLAT #60	900692-00	00
1	WASHER PLAT #62	900693-00	00
1	WASHER PLAT #64	900694-00	00
1	WASHER PLAT #66	900695-00	00
1	WASHER PLAT #68	900696-00	00
1	WASHER PLAT #70	900697-00	00
1	WASHER PLAT #72	900698-00	00
1	WASHER PLAT #74	900699-00	00
1	WASHER PLAT #76	900700-00	00
1	WASHER PLAT #78	900701-00	00
1	WASHER PLAT #80	900702-00	00
1	WASHER PLAT #82	900703-00	00
1	WASHER PLAT #84	900704-00	00
1	WASHER PLAT #86	900705-00	00
1	WASHER PLAT #88	900706-00	00
1	WASHER PLAT #90	900707-00	00
1	WASHER PLAT #92	900708-00	00
1	WASHER PLAT #94	900709-00	00
1	WASHER PLAT #96	900710-00	00
1	WASHER PLAT #98	900711-00	00
1	WASHER PLAT #100	900712-00	00

REV.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PRODUCTION	04/77		
2	REVISED TO ADD PART 49	04/77		
3	REVISED TO ADD PART 41	04/77		
4	REVISED TO ADD PART 42	04/77		
5	REVISED TO ADD PART 43	04/77		
6	REVISED TO ADD PART 44	04/77		
7	REVISED TO ADD PART 45	04/77		
8	REVISED TO ADD PART 46	04/77		
9	REVISED TO ADD PART 47	04/77		
10	REVISED TO ADD PART 48	04/77		
11	REVISED TO ADD PART 49	04/77		

REAR PANEL ASSEMBLY

AD 7013921-0-0

SCALE: 1/1

DATE: 04/77

BY: [Signature]

CHKD: [Signature]

APPROVED: [Signature]

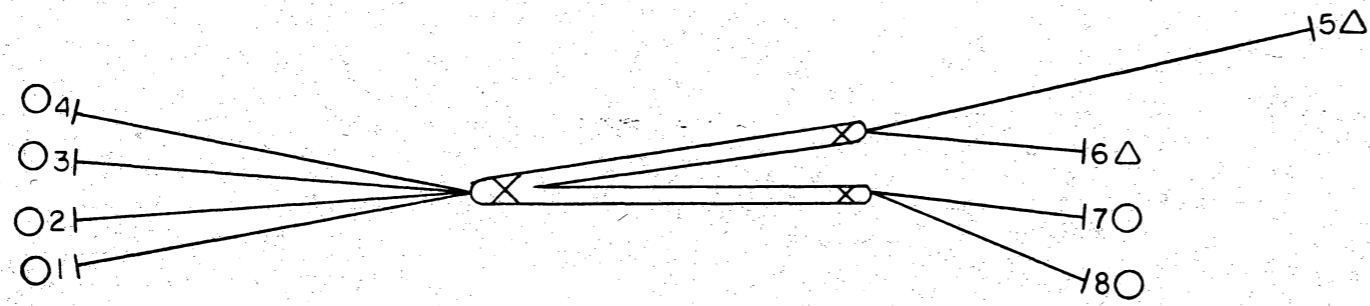
REVISIONS:

REV.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PRODUCTION	04/77		

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WIRE TABLE								
ITEM NO	DESCRIPTION	FROM			TO			
		AWG	COLOR	POINT	CONN	TERM	POINT	CONN
1	18	BROWN	1	---	5	8	---	5
2	18	ORANGE	2	---	5	7	---	5
3	18	RED	3	---	5	6	---	6
4	18	BLACK	4	---	5	5	---	6

NOTES:
 1. USE CABLE TIE (X) ITEM #7 APPROXIMATELY EVERY (3) THREE INCHES WHEN NECESSARY AND AT EVERY BREAKOUT POINT.



1	LABEL, CABLE IDENT	9009532-00	8
X	A/R TIE, CABLE	9007031-00	7
Δ	2 TERMINAL, RING 22-16AWG	9007930-00	6
O	6 TERMINAL, SPADE TONGUE INS	9009695-04	5
A/R	WIRE, 18 AWG STRD BLACK	9107360-00	4
A/R	WIRE, 18 AWG STRD RED	9107360-22	3
A/R	WIRE, 18 AWG STRD ORANGE	9107360-33	2
A/R	WIRE, 18 AWG STRD BROWN	9107360-11	1

REV.	CHANGE NO.	DATE	BY
A	7014104-00001	17 Oct 77	D. MARTEL

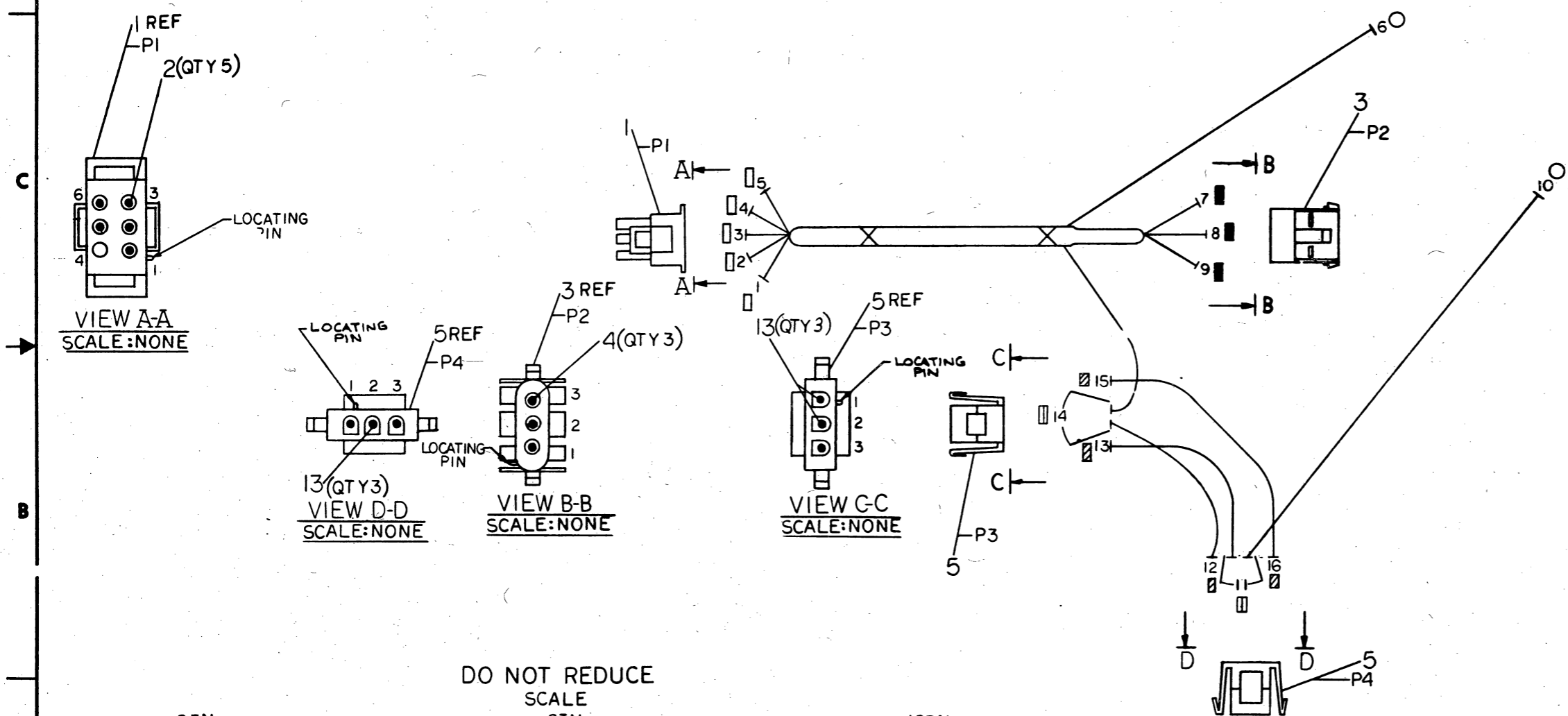
SYMBOL	QUANTITY & VARIATION	DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES		
SURFACE QUALITY IN	MEDIUM <input type="checkbox"/>	OVER 0 TO 0.2	OVER 0.2 TO 4.0	OVER 4.0 TO 80.0
MICROINCHES	PREFERRED <input type="checkbox"/>	±.004	±.008	±.012
		±.012	±.016	±.025
		±.04	±.060	±0.1
THIRD ANGLE PROJECTION	DRN. <i>[Signature]</i> 23 MAY 77	FIRST USED ON	digital	
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD. <i>[Signature]</i> 16 AUG 77	H7100	TITLE	
DO NOT SCALE DWG	ENG. <i>[Signature]</i> 20 AUG 77		HARNES, REAR PANEL	
MATERIAL SEE PARTS LIST	PROF. <i>[Signature]</i> 20 AUG 77		SIZE	CODE
FINISH			C	IA
			NUMBER	REV.
			7014104-0-0	A
			SHEET	OF
			1	1

DRAWING NUMBER: CIA 7014104-0-0

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WIRE TABLE										
ITEM NO	DESCRIPTION			FROM			TO			REMARKS
	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM		
10	18	YELLOW	1	P1-1	162	9	P2-1	364		
8	18	BLACK	2	P1-2	162	7	P2-3	364		
12	18	VIOLET	3	P1-3	162	8	P2-2	364		
9	18	ORANGE	5	P1-5	162	6		7		
11	18	GRAY	4	P1-6	162	14	P3-2	1565		
11	18	GRAY	12	P4-2	1365					
9	18	ORANGE		P4-3	1565	10		7		
11	18	GRAY	11			13	P3-3	1365		
9	18	ORANGE	16	P4-1	1365	15	P3-1	1365		

NOTES:
 1. USE CABLE TIES (X) ITEM #6 APPROXIMATELY EVERY THREE (3) INCHES WHEN NECESSARY, AND AT EVERY BREAKOUT POINT.



CAUTION: SEE OFF SHEET PARTS LIST
 K-PL-7014157-0-DBP. (Z3347C.PLS)

QTY	SYMBOL	DESCRIPTION	DWG/PART NO.	ITEM NO.
2		SOCKET, 16-18 AWG	1209379-07	15
		LABEL, CABLE IDENT.	9009532-00	14
4		PIN, 14-20 AWG	1209379-00	13
		WIRE, 18 AWG STRD VIOLET	9107360-77	12
		WIRE, 18 AWG STRD GRAY	9107360-88	11
		WIRE, 18 AWG STRD YELLOW	9107360-44	10
		WIRE, 18 AWG STRD ORANGE	9107360-38	9
		WIRE, 18 AWG STRD BXX	9107360-00	8
2		TERMINAL, QUICK CONNECT	9007970-00	7
X		WIRE TIE, CABLE	9007031-00	6
2		HOUSING, 3 PIN SOCKET	1209350-03	5
3		PIN, 14-20 AWG	1212169-00	4
1		CAP, 3 PIN UNIVERSAL	1212168-00	3
5		SOCKET, 14-20 AWG	1212170-00	2
1		PLUG, 6 PIN HOUSING	1212167-00	1

DO NOT REDUCE SCALE
 SCALE 6IN
 12IN
 (FOR MANUFACTURING PURPOSES ONLY)

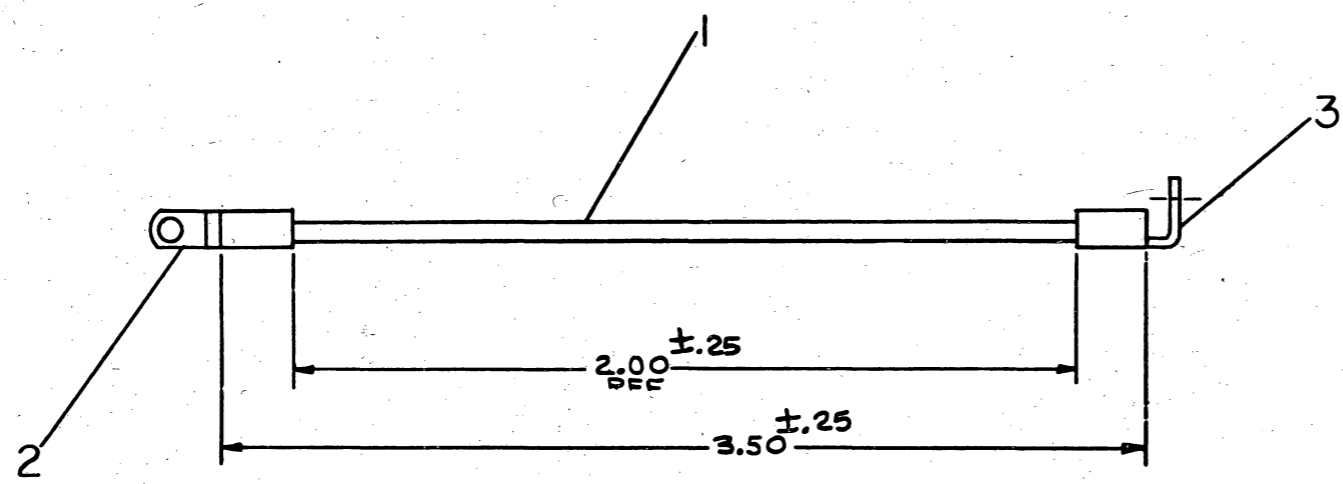
REV	BY	DATE	DESCRIPTION
1	D. MARTEL	10/27/77	ISSUE FOR MANUFACTURE
2	J. BAUSHA	11/10/77	REVISED TO ADD LOCATING PINS
3	C.S. LANDINO	12/15/77	REVISED TO ADD DIMENSIONS
4	J. BAUSHA	1/10/78	REVISED TO ADD PARTS LIST
5	J. BAUSHA	2/10/78	REVISED TO ADD DIMENSIONS
6	J. BAUSHA	3/10/78	REVISED TO ADD DIMENSIONS
7	J. BAUSHA	4/10/78	REVISED TO ADD DIMENSIONS
8	J. BAUSHA	5/10/78	REVISED TO ADD DIMENSIONS
9	J. BAUSHA	6/10/78	REVISED TO ADD DIMENSIONS
10	J. BAUSHA	7/10/78	REVISED TO ADD DIMENSIONS
11	J. BAUSHA	8/10/78	REVISED TO ADD DIMENSIONS
12	J. BAUSHA	9/10/78	REVISED TO ADD DIMENSIONS
13	J. BAUSHA	10/10/78	REVISED TO ADD DIMENSIONS
14	J. BAUSHA	11/10/78	REVISED TO ADD DIMENSIONS
15	J. BAUSHA	12/10/78	REVISED TO ADD DIMENSIONS

THIRD ANGLE PROJECTION	DRN: J. BAUSHA	FIRST USED ON: H7100
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD: J. BAUSHA	TITLE: HARNESS OUTPUT-SIGNAL
DO NOT SCALE DWG	PROJ ENGR: J. BAUSHA	SIZE CODE: D
MATERIAL: SEE PARTS LIST	PROD: J. BAUSHA	NUMBER: LA 7014157-0-0
FINISH: / /	SCALE: 1/1	REV: C
	SHEET: OF	DIST.:

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B
A



1	WIRE, POWER #8 AWG (90°)	1212086-02	3
1	WIRE, POWER #8 AWG STRAIGHT	121515-00	2
1	WIRE, 8 AWG STRD BLACK	9107765-00	1

DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES 30° 30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
SURFACE QUALITY IN MICRONS	(CHECK ONE)	OVER 0 TO 0.2
		OVER 0.2 TO 0.5
MICRONS	PREFERRED	OVER 0.5 TO 1.2
		OVER 1.2 TO 4.0
		OVER 4.0 TO 12.0
		OVER 12.0 TO 48.0
		OVER 48.0 TO 96.0
		OVER 96.0 TO 192.0

THIRD ANGLE PROJECTION	DRN. <i>[Signature]</i>	FIRST USED ON	digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD. <i>[Signature]</i>	H7100	
DO NOT SCALE DWG	ENG. <i>[Signature]</i>	TITLE	JUMPER
MATERIAL SEE PARTS LIST	PROL. ENG. <i>[Signature]</i>	SIZE	C
FINISH / /	PROD. <i>[Signature]</i>	CODE	IA
		NUMBER	7014105-0-0
		REV.	A

REV.	CHANGE NO.	DESCRIPTION
A	1	18 SEP 77
		JAMES B. DAVIS
		<i>[Signature]</i>

7014105-0-0

A

SEE PARTS LIST

4

3

2

1

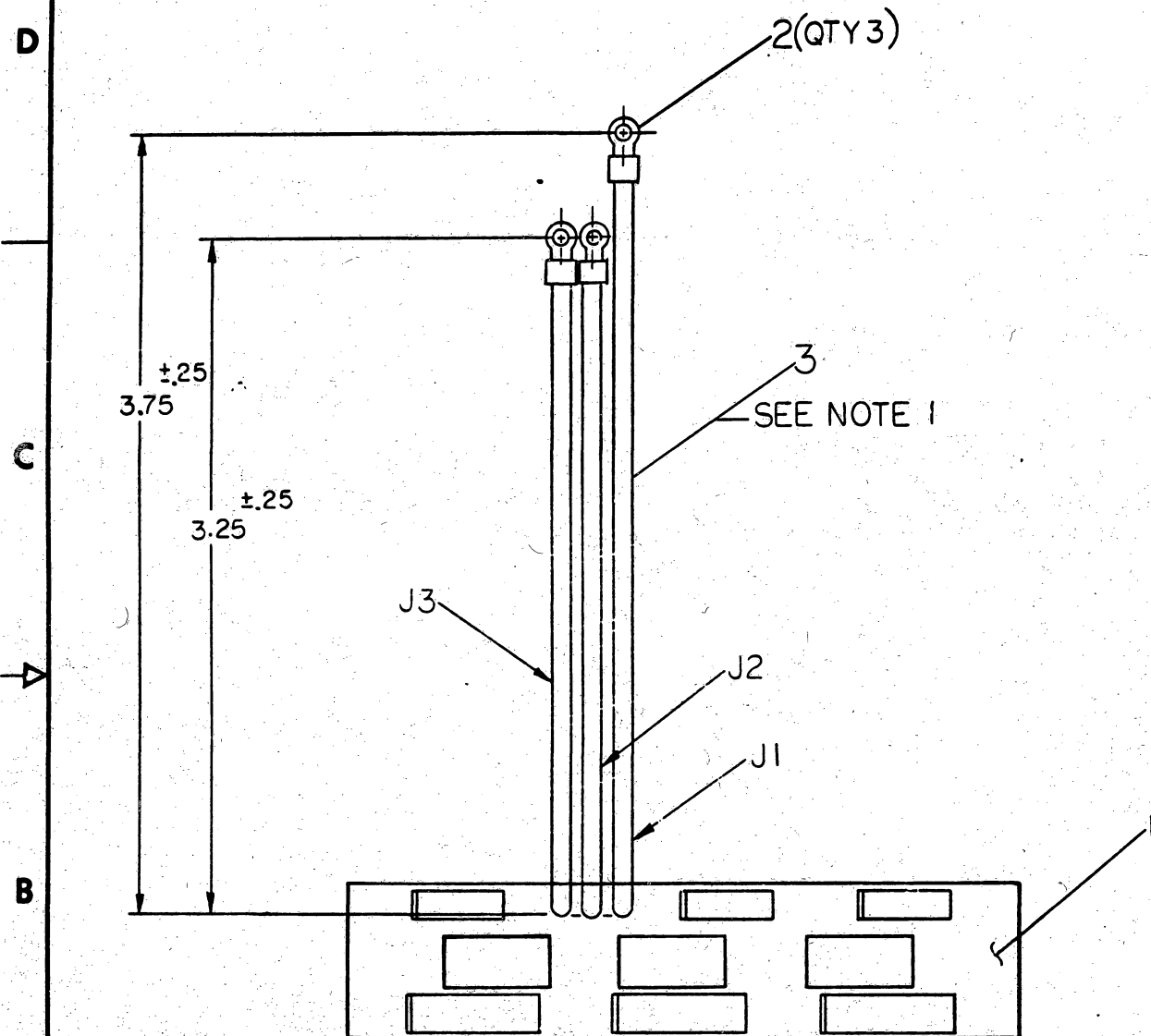
TW

1211

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NOTES:

1. STRIP GRAY WIRES (ITEM #3) BACK .125 IN TIN BEFORE INSERTING INTO SNUBBER CARD (ITEM #1) AND SOLDER INTO SNUBBER CARD AS SHOWN.



AR	WIRE #18 AWG, STRD GRAY	9107360-88	3
3	TERMINAL, RING	9007930-00	2
1	SNUBBER CARD	D-UA-5413087-0-0	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		FIRST USED ON	
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	H7100	
SURFACE QUALITY IN MICROINCHES	MEDIUM <input type="checkbox"/>	TITLE	
		SNUBBER CARD ASSY	
PREFERRED <input checked="" type="checkbox"/>		DRN. <i>W. Nelson</i> 18 AUG 77	
QUANTITY & VARIATION		PROJ. ENG. <i>Stalen</i> 30 AUG 77	
THIRD ANGLE PROJECTION		PROD. <i>Stalen</i> 30 AUG 77	
REMOVE BURRS AND BREAK SHARP CORNERS		NEXT HIGHER ASSY.	
DO NOT SCALE DWG		MATERIAL	
SEE PARTS LIST		E-AD-7013921-0-0	
FINISH		SCALE 2/1	
SHEET		SIZE CODE	
OF		C IA	
DIST.		NUMBER	
		7014984-0-0	
		REV.	

REVISIONS	REV.
CHANGE NO.	
CHK	

1212

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0-0-2802109 W U 2

COMPONENT SIDE VIEW

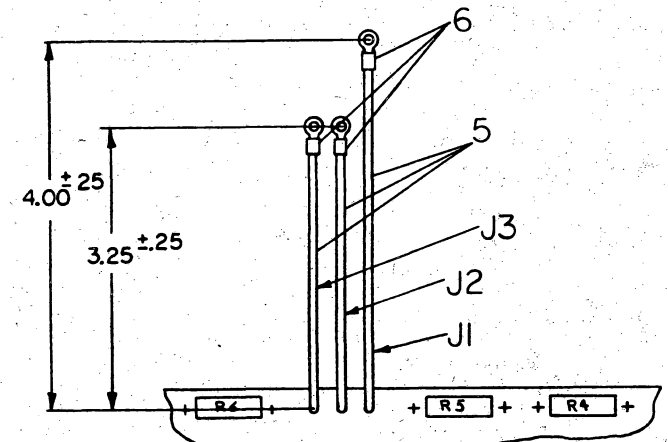
3.25 F.B.S.
(82.55 MM)
REF

(J1, J2 & J3)
SOLDER WIRES (ITEMS 5 & 6)
SEE DETAIL 'A'

ACTUAL REF. DES. (NOTE 1)

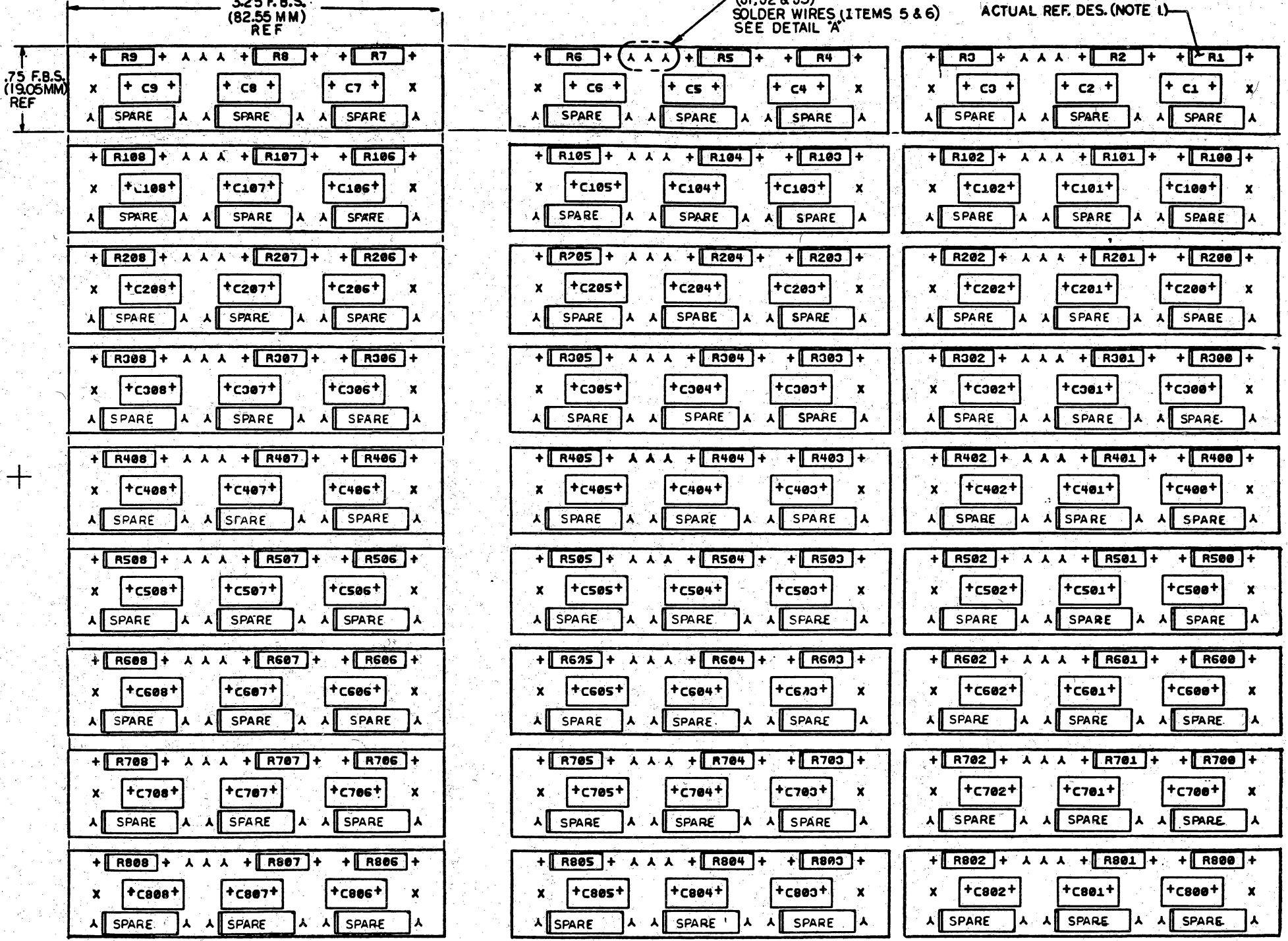
.75 F.B.S.
(19.05MM)
REF

REFERENCE DESIGNATION CHART	
ACTUAL REF. DES.	SUPERFICIAL REF. DES.
R1 R2 R3	R4 THRU R9 R100 THRU R108 R200 THRU R208 R300 THRU R308 R400 THRU R408 R500 THRU R508 R600 THRU R608 R700 THRU R708 R800 THRU R808
C1 C2 C3	C4 THRU C9 C100 THRU C108 C200 THRU C208 C300 THRU C308 C400 THRU C408 C500 THRU C508 C600 THRU C608 C700 THRU C708 C800 THRU C808



CUT AND STRIP WIRE (ITEM 5) TO LENGTHS SHOWN. CRIMP ITEM 6 TO ONE END OF EACH AS SHOWN AND SOLDER INTO 'X' HOLES AS SHOWN.

DETAIL 'A'
SCALE: NONE



NOTES: 1. MULTI-REF. DES. ARE USED TO ACCOMMODATE PANEL INSERTION TECHNIQUES. REFER TO CHART FOR CROSS REFERENCE.

CHK	CHANGE NO	REV	DATE	BY	APP
	A.C.	5413087-1	A		
	P.	5413087-1	A		
	R.	5413087-2	B		
	J.	5413087-2	B		
	J.	5413087-2	B		

ETCH REV.	A
P.C. DESIGN DATA BASE REV.	AL

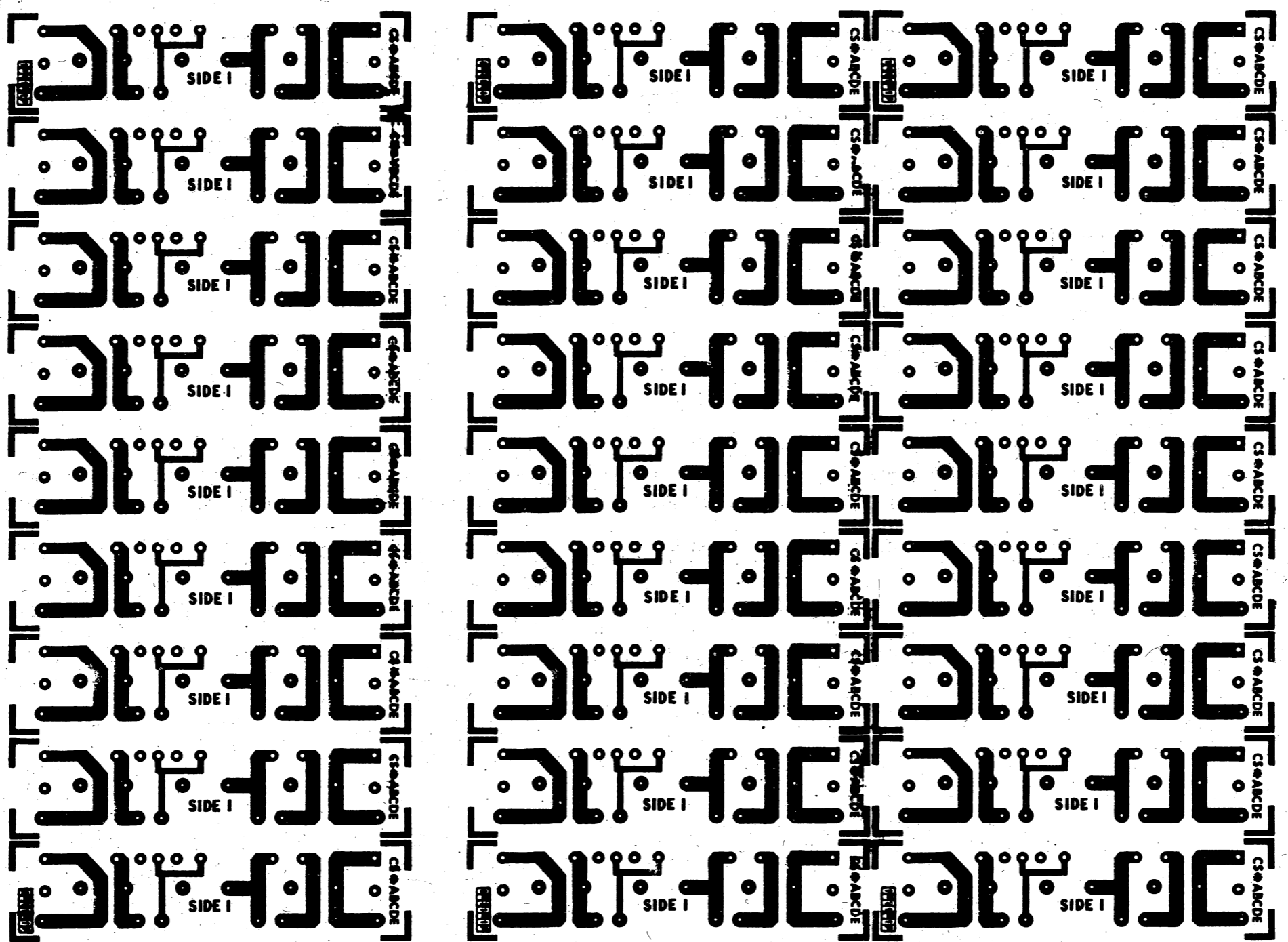
SIGNATURES	DATE	TITLE
DRN. <i>[Signature]</i>	5/12/77	digital
CHK'D. <i>[Signature]</i>	6-22-77	
ENG. <i>[Signature]</i>	6-22-77	
PROJ. ENG. <i>[Signature]</i>	7/14/77	
PROD. <i>[Signature]</i>	7/24/77	
SCALE 2/1	SHT. 1 OF 3	SNUBBER CARD
		NUMBER 0 UA 5413087-0-B
		REV
		SIZE CODE
		0 UA 5413087-0-B
		1. MS#104152

DIA 5413087-0-B

1213

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DUA 5413087-0-0 2



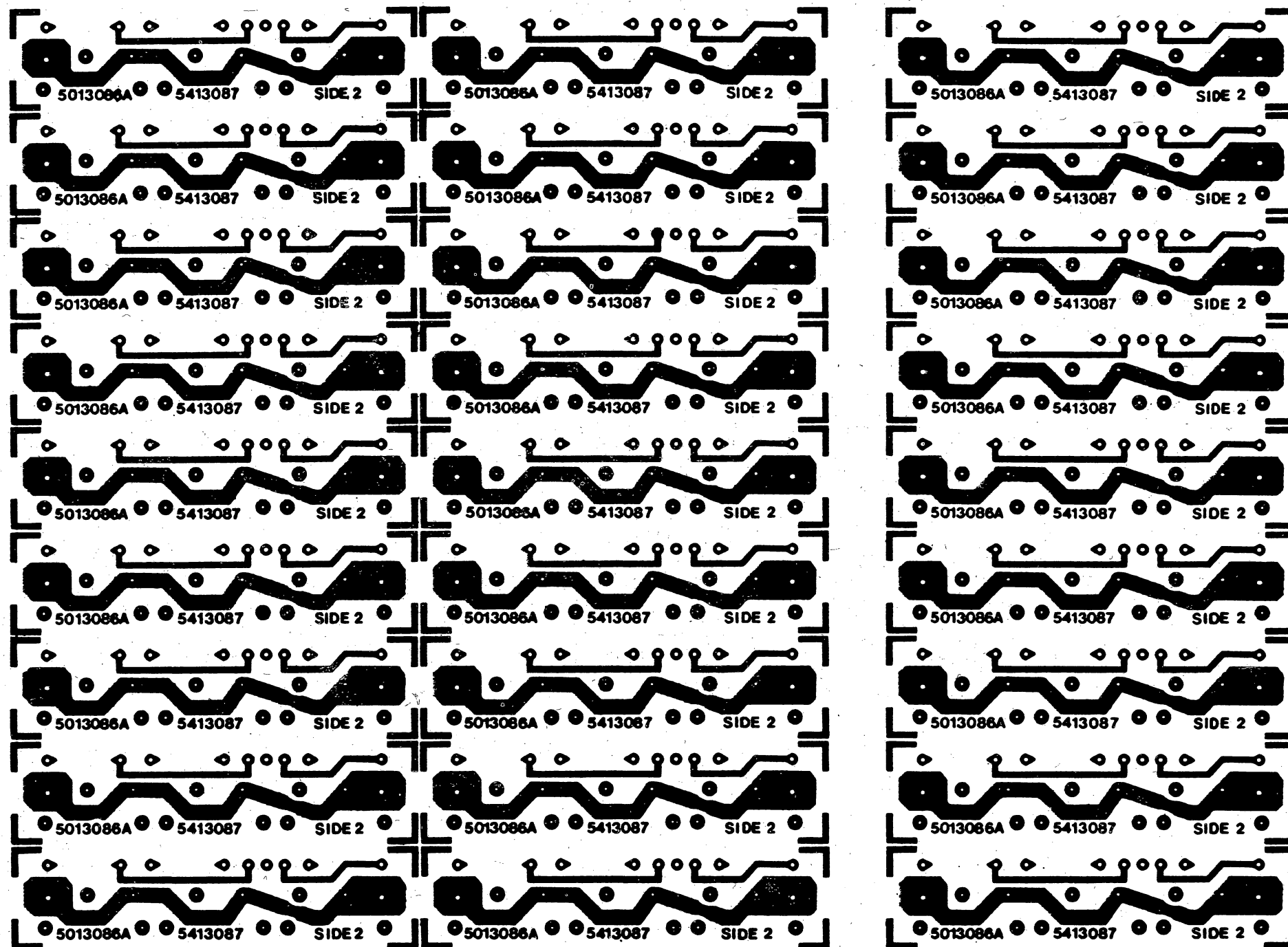
VIEWED FROM SIDE I

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SNUBBER CARD	SIZE CODE	DUA	NUMBER	5413087-0-0	REV.	B
SCALE	2:1	SHEET	2	OF	3	DIST.	

1214

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VIEWED FROM SIDE 2

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
SNUBBER CARD	DUA	5413087-0-0	B
SCALE 2:1	SHEET 3 OF 3	DIST.	

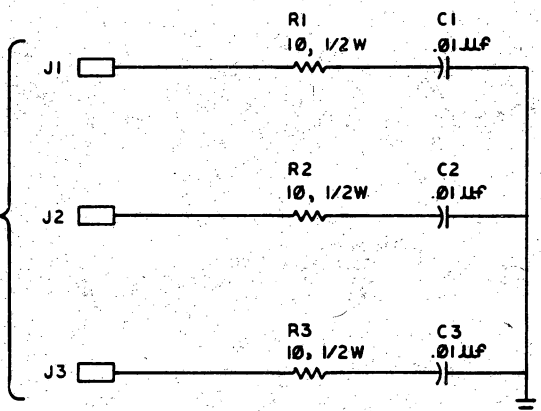
DUA 5413087-0-0 B

1215

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2 | 8 | 1 | - | 0 | - | 1 | B | CS5413087-0-1

J1, J2 AND J3 ARE WIRES WITH RING TERMINALS SOLDERED INTO THE 3 "A" HOLES AT THE TOP OF THE PC BOARD

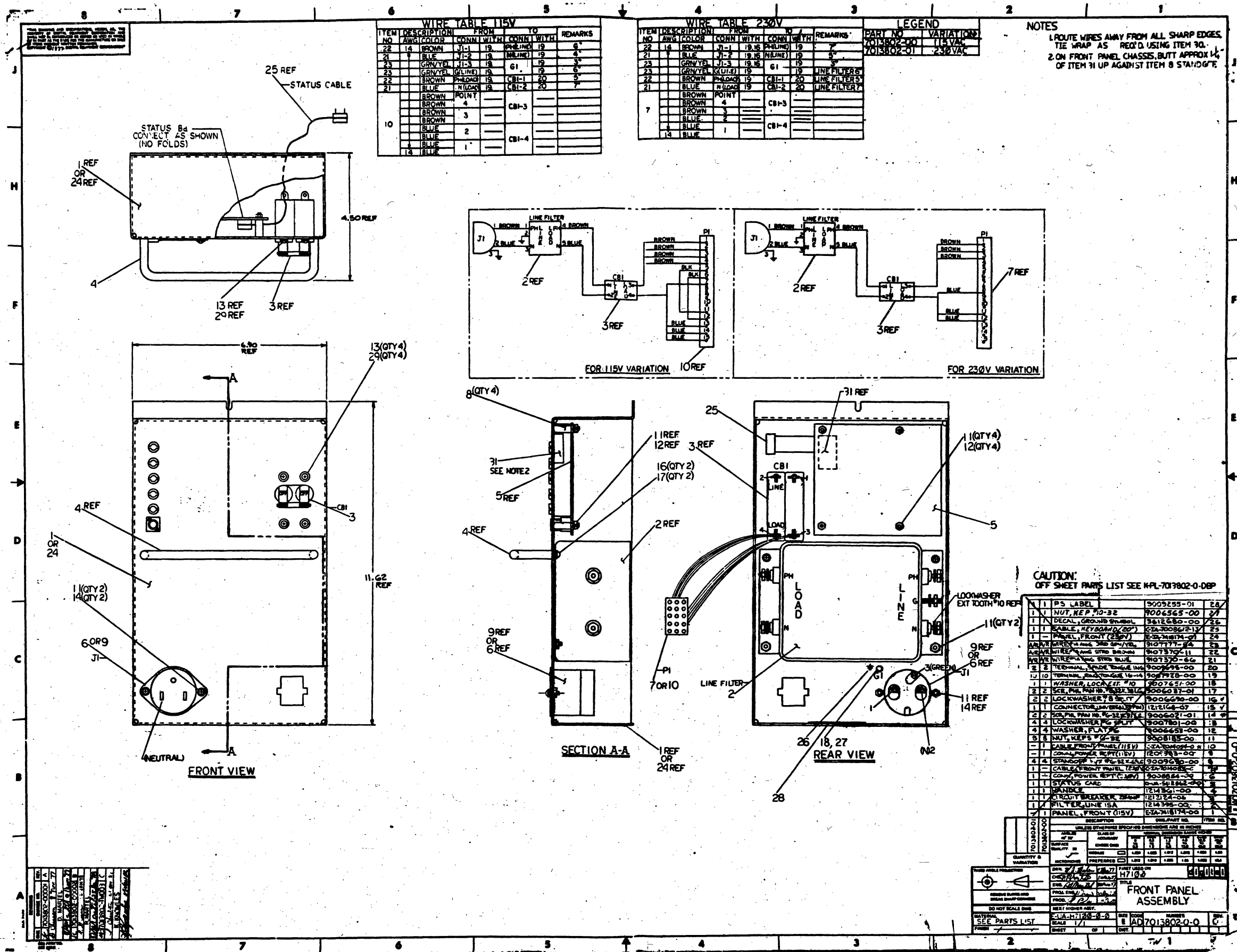


REV.	REV.
A	A
CHANGE NO.	0001
CHK	5413087-0001
DESIGNER	R. MARTEL
DATE	11 FEB 78
DRN	5413087-0002
CHK	J. DREW
DATE	13 JUN 78

DRN	5413087-0-0	FIRST USED ON	H7100	DIGITAL
CHK'D	S. L...	TITLE	H7100	
ENG	S. L...	TITLE	SNUBBER CARD	
PROJ. ENG.	S. L...			
PROD.	S. L...			
NEXT HIGHER ASSY.				
D-UA-5413087-0-0	SIZE	CODE	NUMBER	REV.
SCALE	D	CS	5413087-0-1	B
SHEET	1	OF	1	DIST.

1216

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION										NOTES:		
MADE BY RITA BUREAU DATE 7 JULY 77		CHECKED <i>KENT GLEESON</i> DATE 30 AUG 77		SECTION 1		5413087-0-0										REFER TO DWG. D-UA-5413087-0-0 FOR ADDITIONAL INSERTION INFORMATION.
ENG <i>CS Sanders</i> DATE 30 AUG 77		PROD <i>Ed Blair</i> DATE 30 AUG 77		ISSUED SECTION 1												
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION											REF DESIGNATION		
1	D-MD-5013086-0-0	5013086	ETCHED BOARD	1												
2		1011847-01	CAPACITOR., .01 UF, 400V	3										C1, C2, C3		
3		1112594-01	DIODE, A15B	3										D1, D2, D3		
4		1300168-00	RES., 10 OHMS, 1/2W, 5% C.C.	3										R1, R2, R3		
5		9107360-88	WIRE #18 AWG STRD GRAY	A/R												
6		9007930-00	TERMINAL, RING	3										J1, J2, J3		
E.C.O. NO. 00001 00002													"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 <i>H7100</i> SNUBBER CARD				ASSY NO. D-UA-5413087-0-0				SIZE B CODE PL		NUMBER 5413087-0-0			REV. B			
				SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV. A								

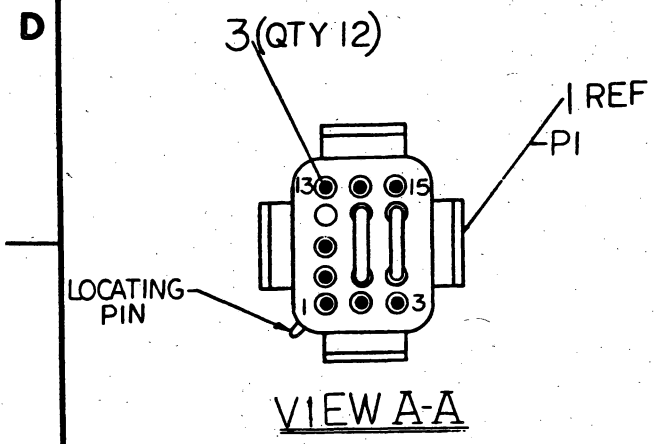


1218

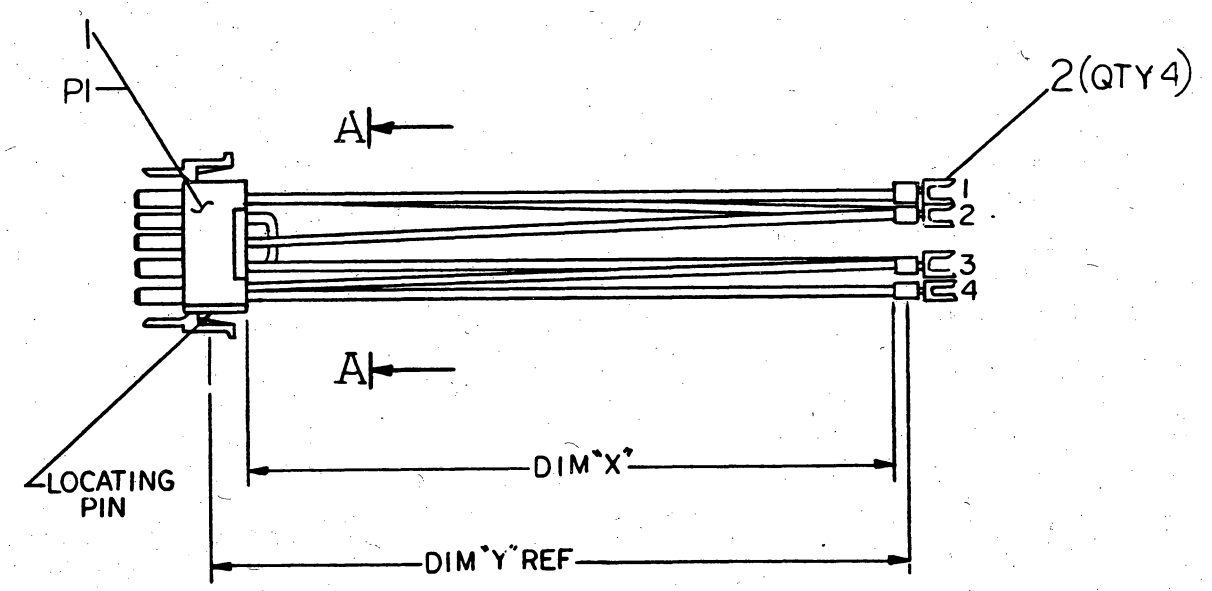
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WIRE TABLE							
ITEM NO	AWG	COLOR	FROM		TO		REMARKS
			CONN	WITH	POINT	WITH	
4	14	BROWN	PI-1	1#3	4	2	
4	14	BROWN	PI-2	1#3			
4	14	BROWN	PI-3	1#3			
4	14	BROWN	PI-4	1#3			
5	14	BLACK	PI-5	1#3	PI-11	1#3	JUMPER (2"±.5)
5	14	BLACK	PI-6	1#3	PI-12	1#3	JUMPER (2"±.5)
6	14	BLUE	PI-7	1#3	2	2	
6	14	BLUE	PI-13	1#3			
6	14	BLUE	PI-14	1#3	1	2	
6	14	BLUE	PI-15	1#3			

LEGEND		
NUMBER	DIM 'X' VARIATION	DIM 'Y' (PRECUT) REF
7014054-ØF	ØFT-6IN ±.5IN	ØFT-7IN ±.5IN



VIEW A-A



AWR WIRE #14 AWG STRD BLUE	9107370-66	6
AWR WIRE #14 AWG STRD BLACK	9107370-00	5
AWR WIRE #14 AWG STRD BROWN	9107370-11	4
12 CONTACT, PIN 14-20 AWG	1213807-01	3
4 TERMINAL, SPADE TONGUE INS	9009695-02	2
1 PLUG, 15 PIN HOUSING	1212167-05	1

DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES 90° 30°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
SURFACE QUALITY IN MICRONS	(CHECK ONE)	OVER 0 TO 0.25
		OVER 0.25 TO 0.5
MEDIUM	PREFERRED	OVER 0.5 TO 1.25
		OVER 1.25 TO 2.5
		OVER 2.5 TO 4.0
		OVER 4.0 TO 12.0
		OVER 12.0 TO 48.0
		OVER 48.0 TO 80.0

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL: SEE PARTS LIST

FINISH: / /

DRN. *W. J. Maher* 10/28/77

CHK. *S. J. Maher* 10/28/77

ENG. *W. J. Maher* 10/28/77

PROJ. ENG. *W. J. Maher* 10/28/77

PROD. *W. J. Maher* 8-23-77

FIRST USED ON H7100

TITLE: CABLE, FRONT PANEL 115 V

SIZE: C

CODE: IA

NUMBER: 7014054-0-0

REV: A

REV.	CHANGE NO.	DESCRIPTION
A	1	ISSUED FOR MANUFACTURE

REVISIONS

7014054-TW001

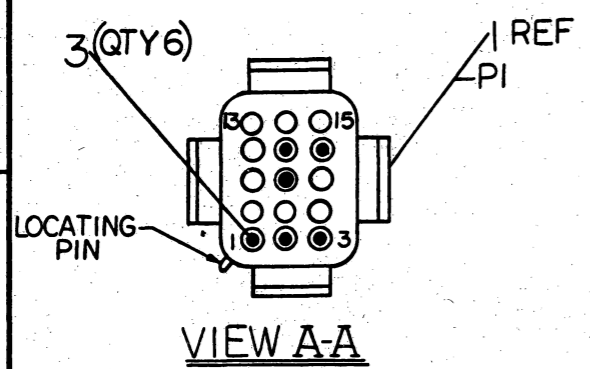
C.S. LANDINO

DRAWING NO. 7014054-0-0

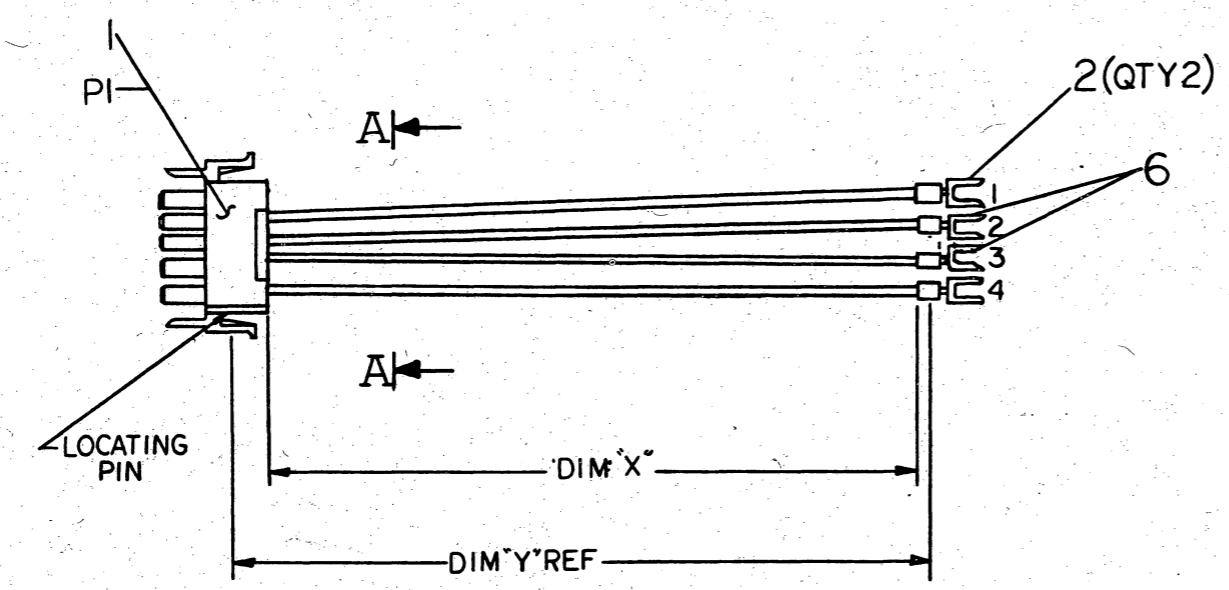
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WIRE TABLE							
ITEM NO	DESCRIPTION		FROM		TO		REMARKS
	AWG	COLOR	CONN	WITH	POINT	WITH	
5	14	BROWN	PI-1	1/32	4	2	
5	14	BROWN	PI-2	1/32	4	2	
5	14	BROWN	PI-3	1/32	3	6	
4	14	BLUE	PI-8	1/32	2	6	
4	14	BLUE	PI-11	1/32	1	2	
4	14	BLUE	PI-12	1/32	1	2	

LEGEND		
NUMBER	DIM "X" VARIATION	DIM "Y" (PRECUT) REF
7014083-ØF	ØFT-6IN ±.5IN	ØFT-7IN ±.5IN



VIEW A-A



QTY	DESCRIPTION	DWG./PART NO.	ITEM NO.
2	TERMINAL, SPADE TONGUE INS	9009695-00	6
A/R	WIRE #14 AWG STRD BROWN	9107370-11	5
A/R	WIRE #14 AWG STRD BLUE	9107370-66	4
6	CONTACT, PIN 14-20AWG	1212169-00	3
2	TERMINAL, SPADE TONGUE INS	9009695-02	2
1	PLUG, 15 PIN HOUSING	1212167-05	1

C.A. 7014083-0-0

QUANTITY & VARIATION		DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
ANGLES 30° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES		
SURFACE QUALITY IN MICROINCHES	MEDIUM <input type="checkbox"/>	OVER 0 TO 0.5	OVER 0.5 TO 1.2	OVER 1.2 TO 4.0
	PREFERRED <input checked="" type="checkbox"/>	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0
		±.004	±.008	±.012
		±.012	±.016	±.025
			±.04	±.080
			±.04	±.1
THIRD ANGLE PROJECTION		DRN. <i>D. M. M.</i> 10/27/77	FIRST USED ON	
REMOVE BURRS AND BREAK SHARP CORNERS		CHKD. <i>R. J. S.</i> 10/26/77	H710Ø	
DO NOT SCALE DWG		ENG. <i>D. M. M.</i> 10/27/77	TITLE	
MATERIAL SEE PARTS LIST		PROJ. ENG. <i>F. J. S.</i> 10/27/77	CABLE, FRONT PANEL	
FINISH		PROD. <i>A. J. S.</i> 10/27/77	230V	
SCALE NONE		NEXT HIGHER ASSY.	digital	
SHEET OF		E-AD-7013802-Q-0	SIZE	NUMBER
DIST.		C	IA	7014083-0-0
				REV.

REV.	CHANGE NO.

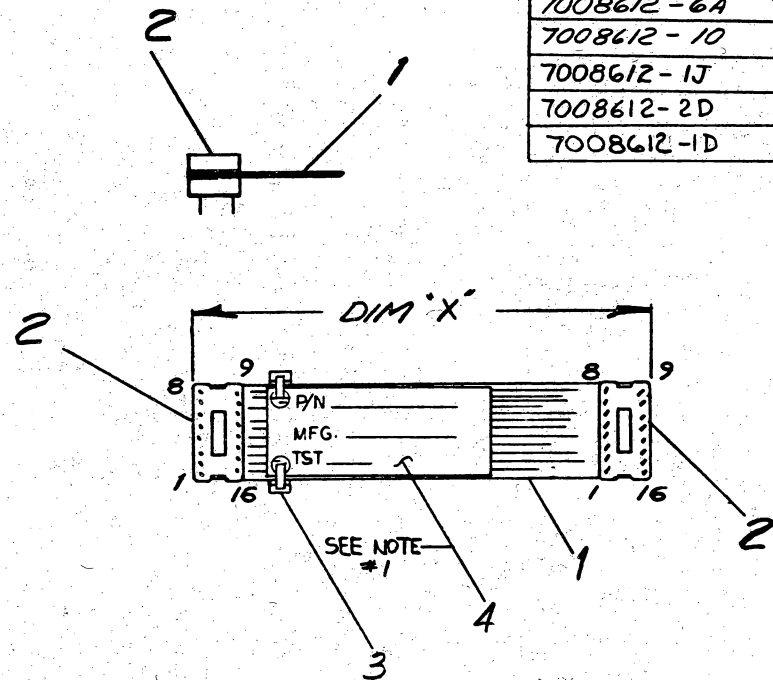
DES FORM NO. 100-0

1220

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LEGEND	
NUMBER	VARIATION
7008612-0D	4 IN
7008612-1B	14 IN.
7008612-1F	18 IN.
7008612-03	3 FT.
7008612-0F	6 IN.
7008612-0K	9 IN. ± 1 IN.
7008612-4A	49 IN. ± 1 IN.
7008612-0M	11 IN.
7008612-02	2 FT. ± 1 IN.
7008612-6A	6 FT. 1 IN. ± 2 IN.
7008612-10	10 FT. ± 2 IN.
7008612-1J	20 IN.
7008612-2D	2 FT. 4 IN. ± 1 IN.
7008612-1D	16 IN.

NOTES:
1. PLACE LABEL, ITEM 4 AT ANY POSITION ALONG CABLE AS SHOWN.



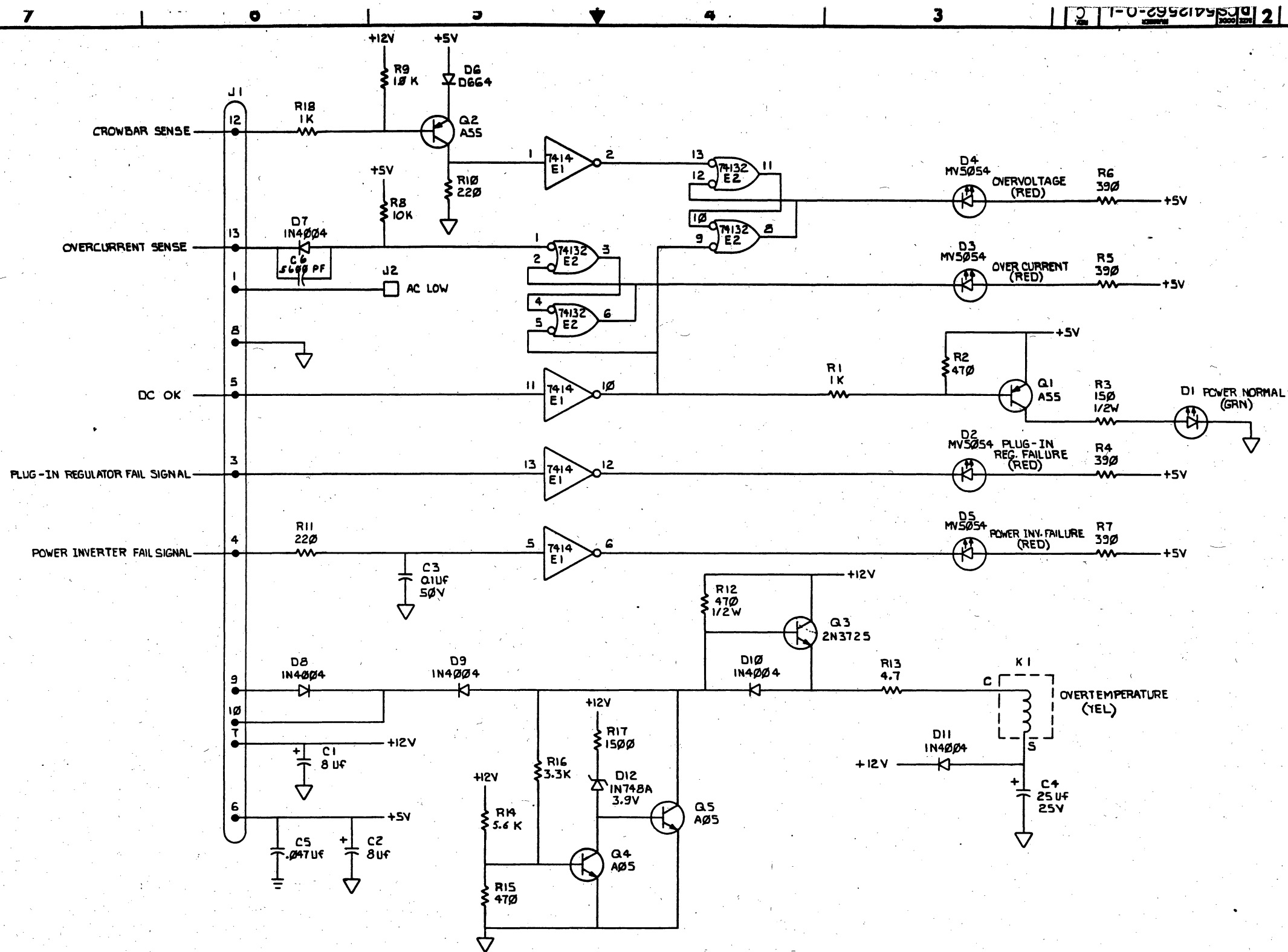
REV.	CHG. NO.	DATE	BY	APP.	DESCRIPTION
A	LK-40-00001	8-9-72	R. MARTEL		REVISED TO 11/22/77
B	GT-40-00001	6-8-72	CARLSON		REVISED TO 8 DEC 77
C	7008612-00001	6-12-74	J. KALAGHER		REVISED TO 9-22-78
D	7008612-00002	6-17-74	J. KALAGHER		REVISED TO 9-22-78
E	7008612-00003	9-28-74	J. KALAGHER		REVISED TO 9-22-78
F	LA36-00111	6-8-75	D. MUTNANSKY		REVISED TO 9-22-78
G	7008612-00004	8-12-75	A. GERSHNOV		REVISED TO 9-22-78
H	7008612-00005	8-17-75	A. COHAN		REVISED TO 9-22-78
J	7008612-00007	20-FEB-76	J. BIRO		REVISED TO 9-22-78
K	7008612-00006	16-FEB-76	J. BIRO		REVISED TO 9-22-78
L	7008612-00007	25-APRIL-77	D. BENNETT		REVISED TO 9-22-78
M	7008612-00008	20-JULY-77	D. CHIARAM		REVISED TO 9-22-78
N	7008612-00009	29-SEPT-79	D. CHIARAM		REVISED TO 9-22-78

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	LABEL, IDENTIFICATION	9009532-00	4
1	TIE, CABLE	9007031-00	3
2	SOCKET 16 CONTACTS	1210722	2
1	CABLE 28 AWG STRD 16 COND	9107736	1

FIRST USED ON OPTION/MODEL		PARTS LIST											
VT05		UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES											
DECIMALS	ANGLES	<table border="1"> <tr> <td>DATE</td> <td>10-1-71</td> </tr> <tr> <td>DATE</td> <td>10-9-71</td> </tr> <tr> <td>DATE</td> <td>10-14-71</td> </tr> <tr> <td>DATE</td> <td>10-14-71</td> </tr> <tr> <td>DATE</td> <td>10-14-71</td> </tr> </table>		DATE	10-1-71	DATE	10-9-71	DATE	10-14-71	DATE	10-14-71	DATE	10-14-71
DATE	10-1-71												
DATE	10-9-71												
DATE	10-14-71												
DATE	10-14-71												
DATE	10-14-71												
XXX = .005	± 0° 30'	<table border="1"> <tr> <td>SIZE CODE</td> <td>NUMBER</td> <td>REV</td> </tr> <tr> <td>CIA</td> <td>7008612-0-0</td> <td>R</td> </tr> </table>		SIZE CODE	NUMBER	REV	CIA	7008612-0-0	R				
SIZE CODE	NUMBER	REV											
CIA	7008612-0-0	R											
XX = .02		TITLE											
X = .1		CABLE, KEYBOARD											
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		<table border="1"> <tr> <td>SIZE CODE</td> <td>NUMBER</td> <td>REV</td> </tr> <tr> <td>CIA</td> <td>7008612-0-0</td> <td>R</td> </tr> </table>		SIZE CODE	NUMBER	REV	CIA	7008612-0-0	R				
SIZE CODE	NUMBER	REV											
CIA	7008612-0-0	R											
MATERIAL	NEXT HIGHER ASSY.	<table border="1"> <tr> <td>SIZE CODE</td> <td>NUMBER</td> <td>REV</td> </tr> <tr> <td>CIA</td> <td>7008612-0-0</td> <td>R</td> </tr> </table>		SIZE CODE	NUMBER	REV	CIA	7008612-0-0	R				
SIZE CODE	NUMBER	REV											
CIA	7008612-0-0	R											
FINISH	SCALE	<table border="1"> <tr> <td>DIST.</td> <td>1</td> </tr> </table>		DIST.	1								
DIST.	1												
	SHEET	<table border="1"> <tr> <td>OF</td> <td>1</td> </tr> </table>		OF	1								
OF	1												

REV. NUMBER 7008612-0-0 R

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REV.	REV.
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20

DRN. R. K. [Signature]	5-11-77	FIRST USED ON	H7100 digital
ENG. C. S. [Signature]	5-11-77	TITLE	STATUS CARD
PROJ. ENG. [Signature]	5-11-77	SCALE	D
PROD. [Signature]	5-11-77	NUMBER	CS 5412562-0-1
NEXT HIGHER ASSY.		REV.	C
D-UA-5412562-0-0		SIZE	D
SCALE		DIST.	
SHEET	OF		

1222

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					*00		
1		D-MD-5012561-0-0	5012561-00	ETCH BOARD FOR 54-12562	1		
2			1012084-01	8 MFD 25V +75-10% AL EL	2		C1,C2
3			1010978-36	.1 MFD 50V 10% CER	1		C3
4			1000075-00	25 MFD 25V +75-10% AL EL	1		C4
5			1012784-00	.047 MFD 50V +80-20% CER	1		C5
6			1100114-00	D 664 QS\75PCB PIV= 25V SP	1		D6
7			1105796-00	1N 4004 PIV=400 I= 1A D041 SP	5		D8,D9,D10,D11,D7
8			1100122-00	1N 748A VZ= 3.9 5%	1		D12
9			1110324-00	LED 1MCD@10MA PIV=3	4		D2-D5
10			1114384-00	LED 105MW 35MA GREEN	1		D1
11			1211813-02	SKT,IC 16PIN DIP GOLD PLATE	1		J1
12			1300365-00	1.0 K .25 W 5.0 % CC	2		R1,R18
13			1300316-00	470.0 .25 W 5.0 % CC	2		R2,R15
14			1300309-00	390.0 .25 W 5.0 % CC	4		R4-R7
15			1300271-00	220.0 .25 W 5.0 % CC	2		R10,R11
16			1305890-00	4.70 .25 W 5.0 % CC	1		R13
17			1301874-00	5.60 K .25 W 5.0 % CC	1		R14
18			1300439-00	3.30 K .25 W 5.0 % CC	1		R16
19			1300391-00	1.50 K .25 W 5.0 % CC	1		R17
20			1300249-00	150.0 .50 W 5.0 % CC	1		R3
21			1300315-00	470.0 .50 W 5.0 % CC	1		R12
22			1510706-00	XA 55 PNP 500MW SI 60 50 P	2		Q1,Q2
23			1510705-00	XA 05 NPN 500MW SI 60 50 P	2		Q4,Q5
24			1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1		Q3
25			1911637-00	74132 NAND GATE-QUAD 2 IN	1		E2
26			1911324-00	7414 INVERTER,HEX 1IN SCH	1		E1
27			9007113-00	TERM QUICK .130DIA .250TAB BR/T	1		J2
28			9009185-00	JUMPER, WIRE, INSULATED, BLACK B	7		W1-W7
29			9006732-00	EYELET,ROLL FLANGE .1210DX .219	1		
30			9009236-00	SCREW,TAPPING,TYPE F,PAN,PHIL,	2		

REVISION HISTORY		BASIC PART NO: 6200000		DRN: R. KOPPENAL	DATE: 27-JAN-78	D I G I T A L	
ENG!	ECO NUMBER	REV	SECTION A OF A	CHK'D: K. GLEASON	DATE: 27-JAN-78	TITLE PARTS LIST	
WH	00002	B	SECTION VARIATION INDEX			STATUS CARD	
P.G!	00003	C	[A] 00				
			[B]				
			[C]				
			[D]				
			[E]				
			[F]				
			[H]				
			[J]				
			[K]				
			[L]				
			[M]				
			[N]				
				DES.ENG: C. LANDINO	DATE: 27-JAN-78		
				RESP.ENG.: C. LANDINO	DATE: 27-JAN-78		
				MFG.ENG.: E. BLAIR	DATE: 27-JAN-78	K	PL
				ASSEMBLY NUMBER: D-UA-5412562-0-0	TOP DOCUMENT NUMBER:	5412562-0-DBP	C
						FILE NAME: 12562C.PLS	EDIT # 7

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AUTOMATED BY PRTLST.1D(7)

PARTS LIST

SHEET 02 OF 02

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION
*00

REFERENCE DESIGNATOR

31
32
33
34
35

31
32
33
34
35

C-MD-7418703-0-0

9006706-00
7418703-00
1214349-00
1300479-00
1011740+00

WASHER, NYLON, FLAT #4 .375 OD
LED HOLDER REWORK
INDICATOR, REFLECTIVE, W/RESET
10.0 K .25 W 5.0 % CC
5600.0 MMF 50V 10% CER

2
1
1
2
1

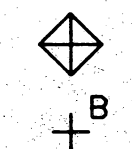
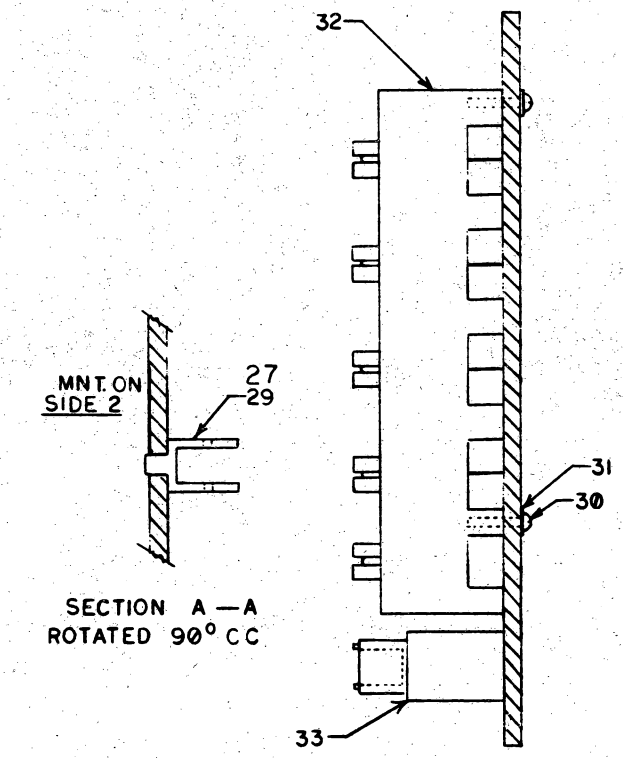
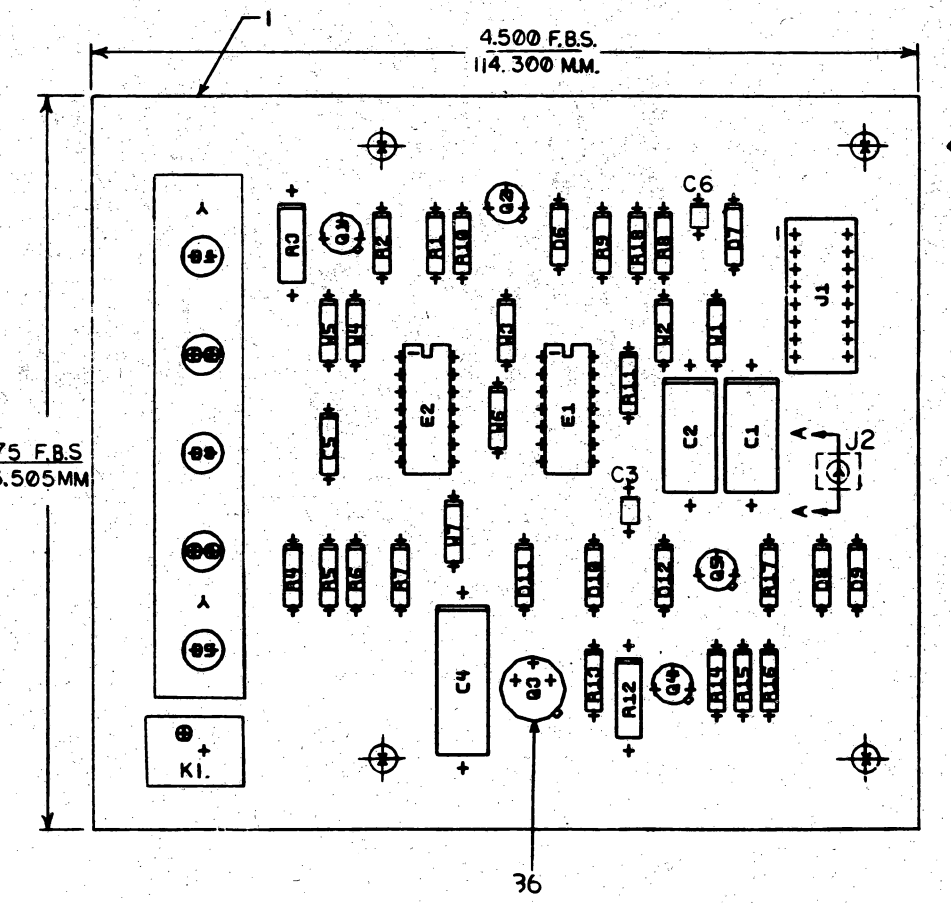
K1
R8, R9
C6

D	I	G	I	T	A	L	TITLE	STATUS CARD	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5412562-0-DBP	C

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COMPONENT SIDE VIEW



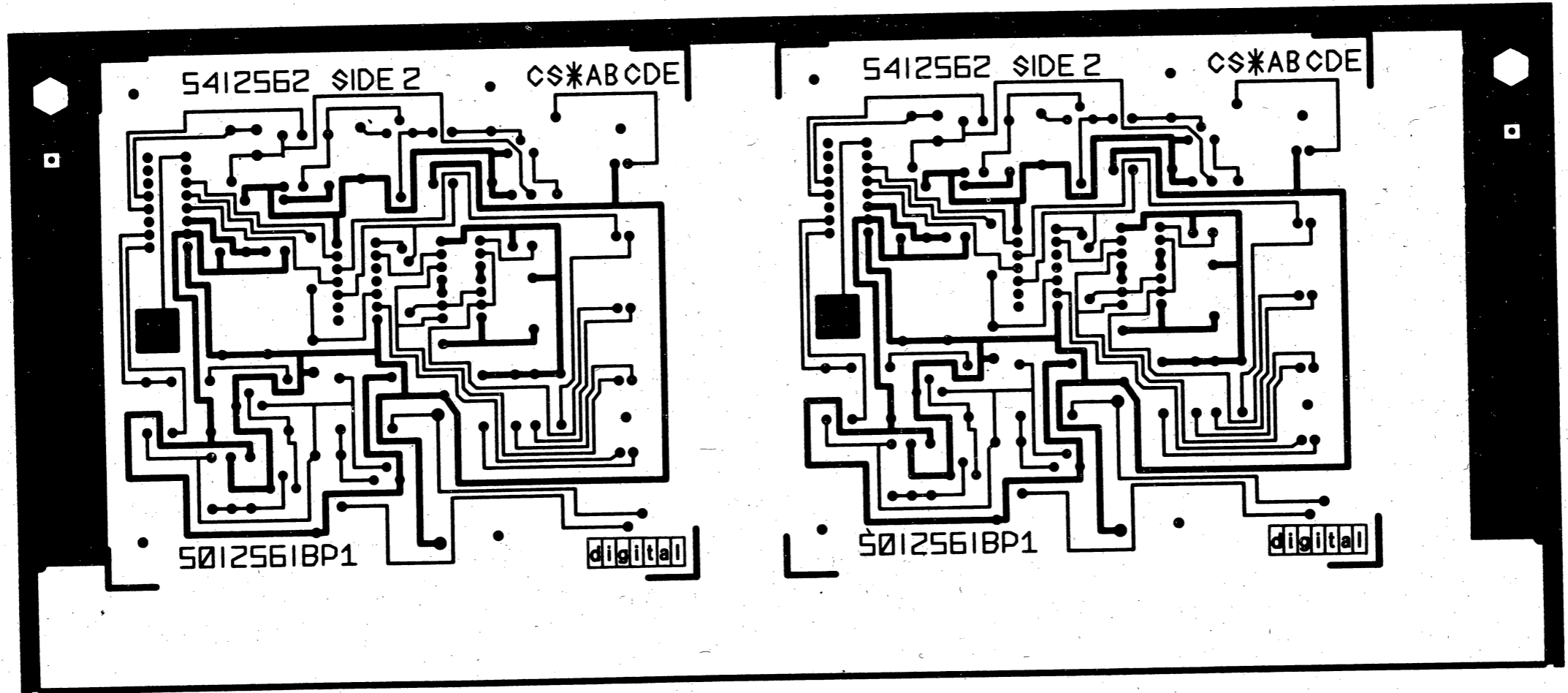
NOTES:

CHK CHANGE NO	REV	DATE
5412562-3	C	8/24/77
REVISED & REDRAWN		
7/2/77		
C.S. LANUINO		
8/24/77		
5412562-1144	D	8/24/77
LANUINO		
8/24/77		
LANUINO		
8/24/77		

ETCH REV.	BPI
P.C. DESIGN DATA BRDSE REV.	BPI

SIGNATURES		DATE	digital
DRN.	<i>[Signature]</i>	8/24/77	
CHK'D.	A. SHEFRANSKI	8/24/77	TITLE
ENG.	C.S. LANUINO	8/24/77	
PROJ. ENG.	JIM DREW	8/24/77	
PROD.	DAVE BROWN	8/24/77	STATUS BOARD
SCALE	2/1	SIZE CODE	NUMBER
SHT.	1 OF 2	0 UA	5412562-0-0
NEXT HIGHER ASSY. B00-5412562-0			REV. D

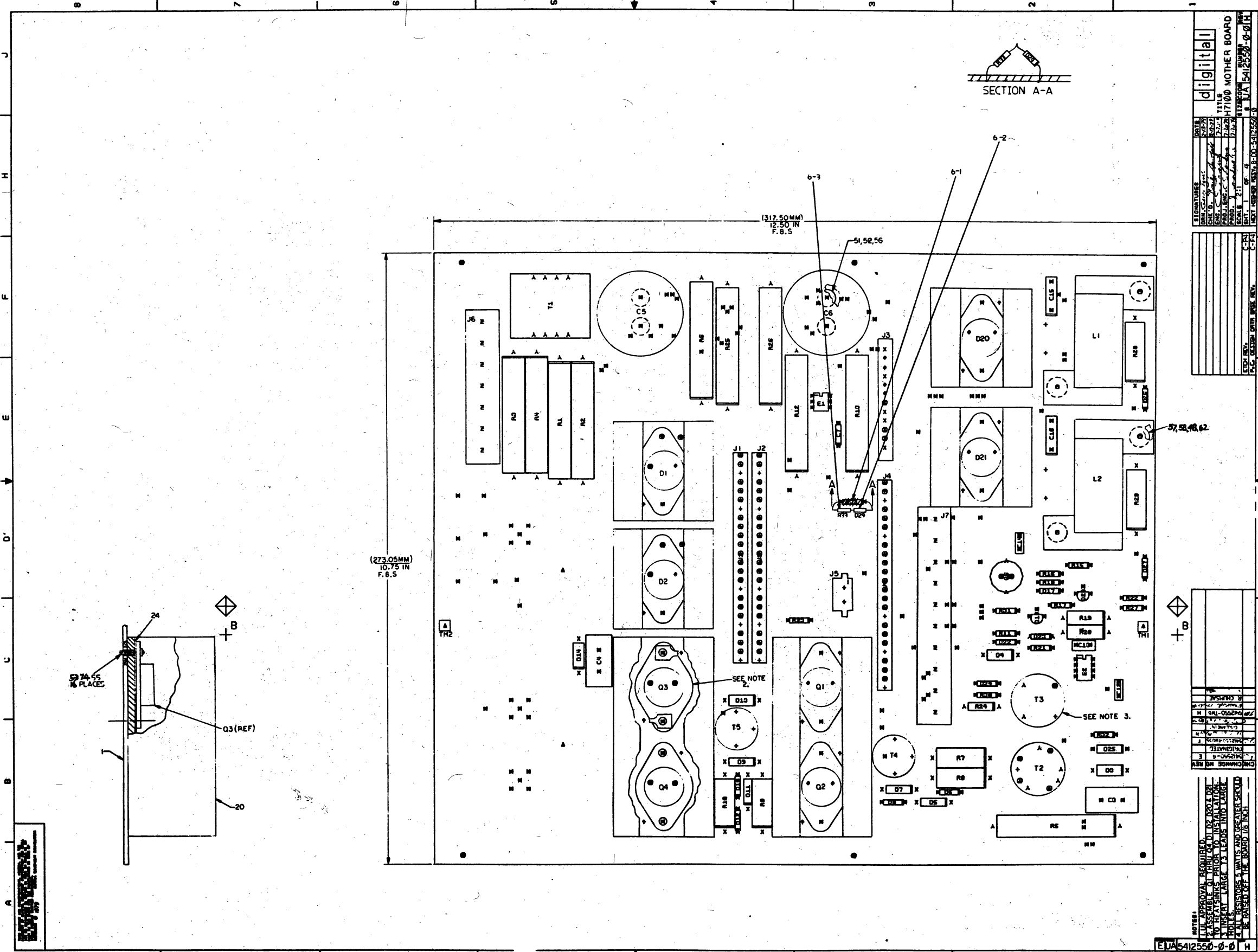
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VIEWED FROM SIDE 2

REV	NO	DATE
CHK	CHANGED	

1226



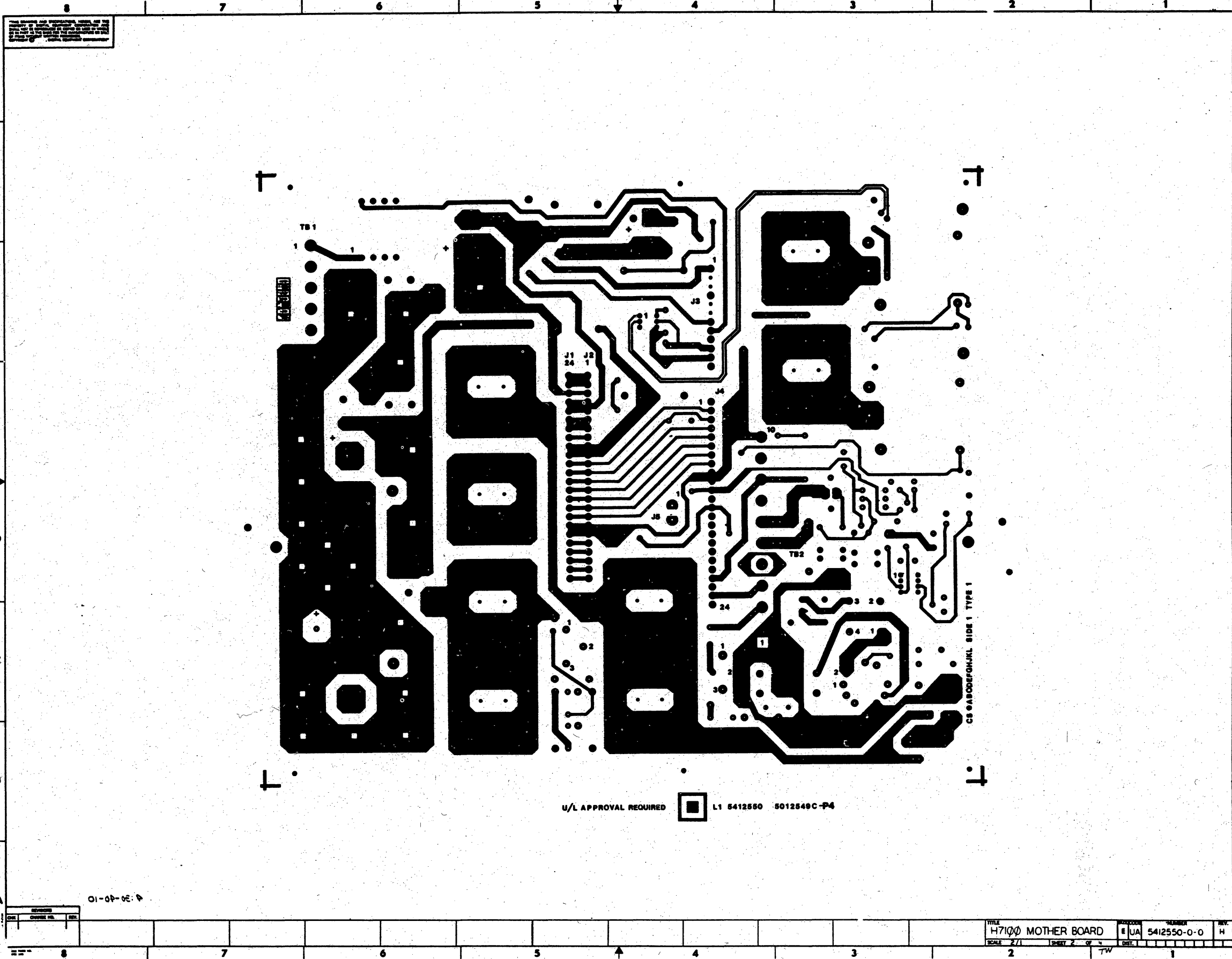
DESIGNED BY	DATE	REV.
CHECKED BY	DATE	REV.
APPROVED BY	DATE	REV.
SCALE	TITILE	
H7100 MOTHER BOARD		
DRAWN BY		
DATE		
REV.		
PART NUMBER		
EUA5412550-0-01		
PCB DESIGN DATA BASE REV.		
C-F7		

REV.	DESCRIPTION	DATE
1	INITIAL RELEASE	
2	DESIGN CHANGE	
3	DESIGN CHANGE	
4	DESIGN CHANGE	
5	DESIGN CHANGE	
6	DESIGN CHANGE	
7	DESIGN CHANGE	
8	DESIGN CHANGE	
9	DESIGN CHANGE	
10	DESIGN CHANGE	

NOTES:
 1. ALL APPROVAL REQUIRED. ASSEMBLY OF THIS BOARD MUST BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF MIL-STD-883C METHOD 2000. ALL RESISTORS, CAPACITORS AND OTHER SENSITIVE COMPONENTS MUST BE DRAINED OFF THE BOARD 1/8 INCH PRIOR TO INSTALLATION. ALL SOLDER LEADS MUST BE TRIMMED TO THE CORRECT LENGTH.

7W 1

1227



1228

REV.	DATE	BY

01-04-06

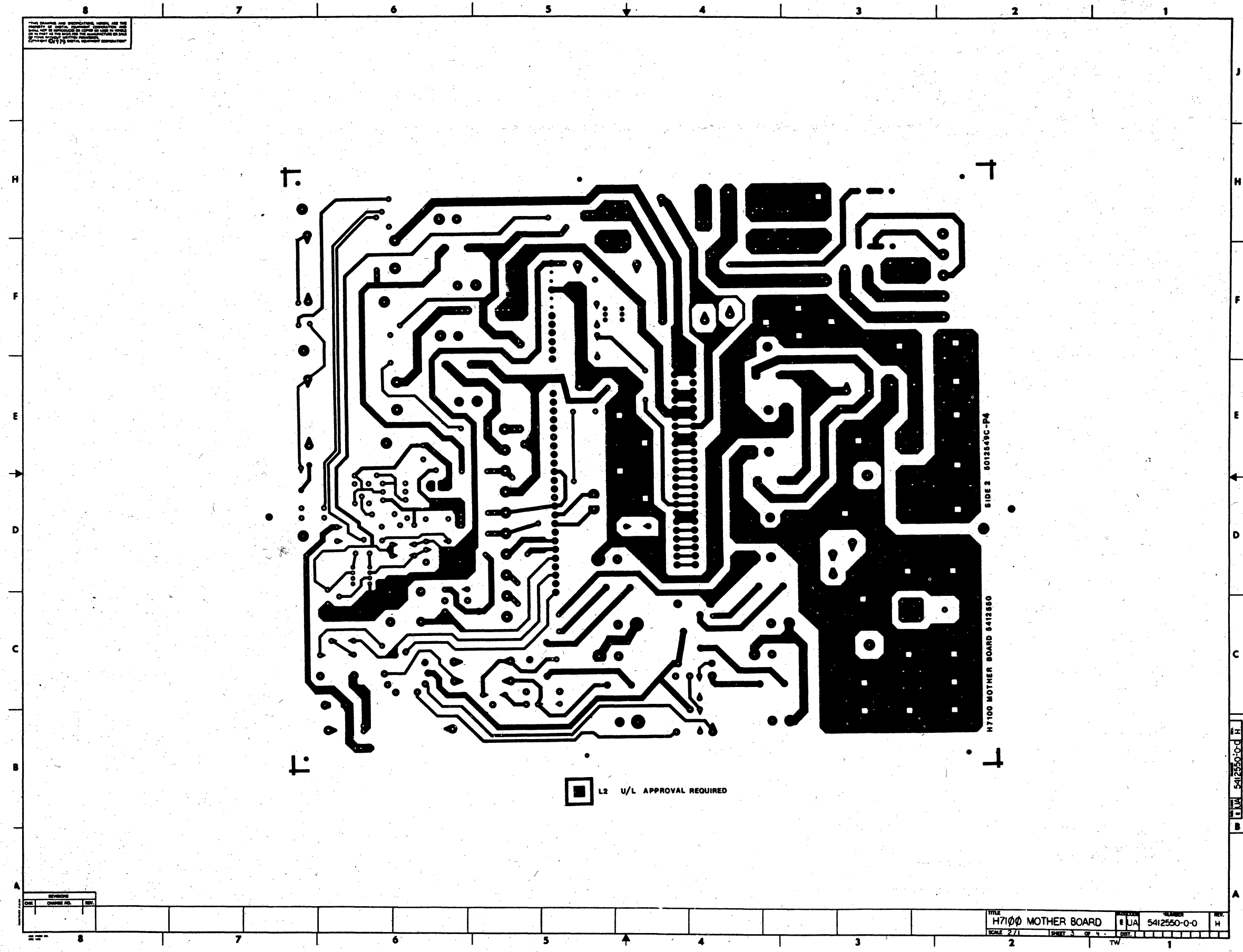
U/L APPROVAL REQUIRED L1 5412550 5012549C-P4

CS 98080604K1L SIDE 1 TYPE 1

EUA 5412550-0-0

TITLE	MEMBER	REV.
H7100 MOTHER BOARD	EUA 5412550-0-0	H
SCALE 2/1	SHEET 2 OF 4	DATE

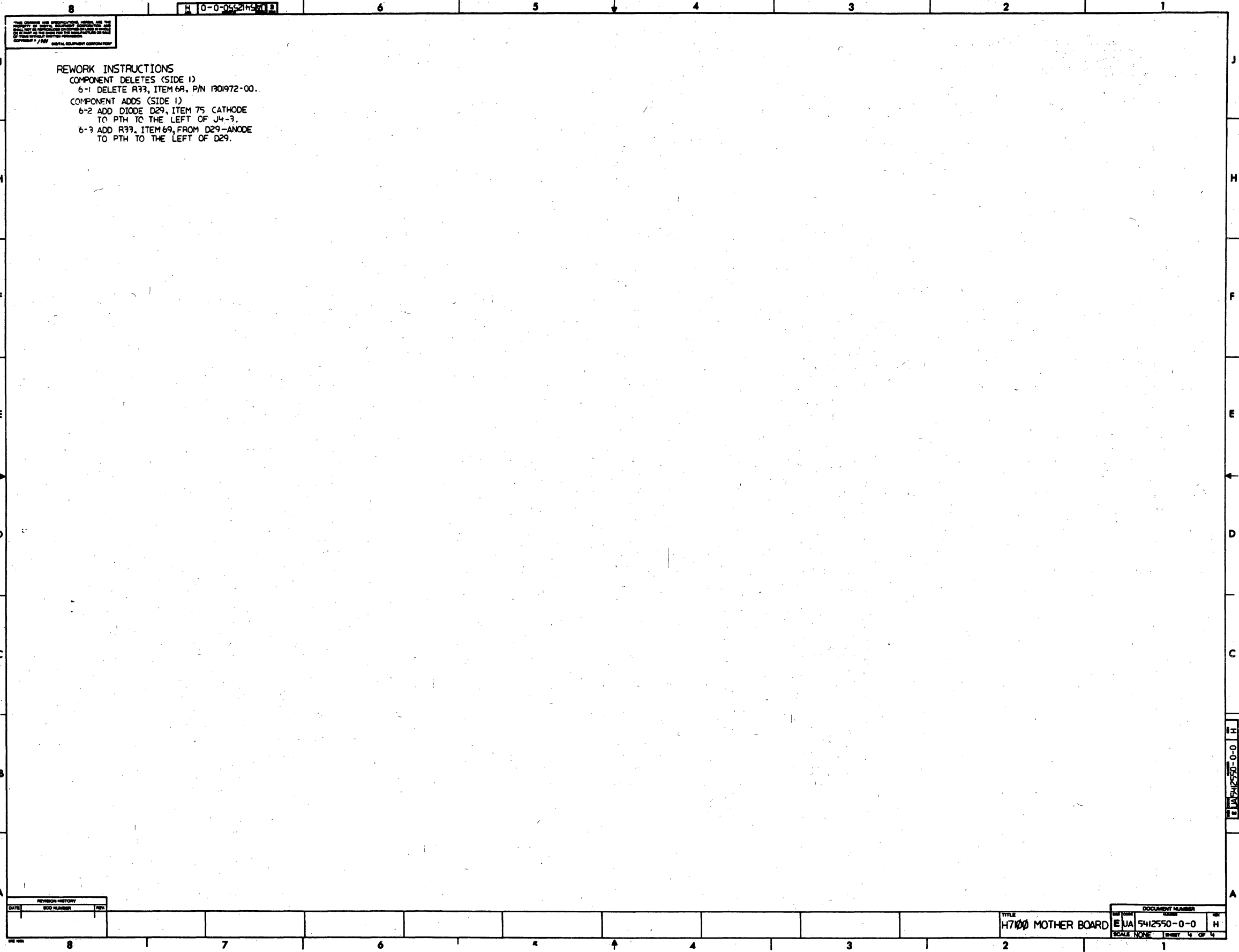
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REV.	CHANGED BY	DATE

TITLE: H7100 MOTHER BOARD
 NUMBER: 5412550-0-0
 REV: H
 SCALE: 271
 SHEET: 3 OF 4
 DESIGNED BY: TW

1229



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REWORK INSTRUCTIONS
 COMPONENT DELETES (SIDE 1)
 6-1 DELETE R33, ITEM 69, P/N 1301972-00.
 COMPONENT ADDS (SIDE 1)
 6-2 ADD DIODE D29, ITEM 75 CATHODE
 TO PTH TO THE LEFT OF J4-3.
 6-3 ADD R33, ITEM 69, FROM D29-ANODE
 TO PTH TO THE LEFT OF D29.

REVISION HISTORY		
DATE	ECO NUMBER	REV.

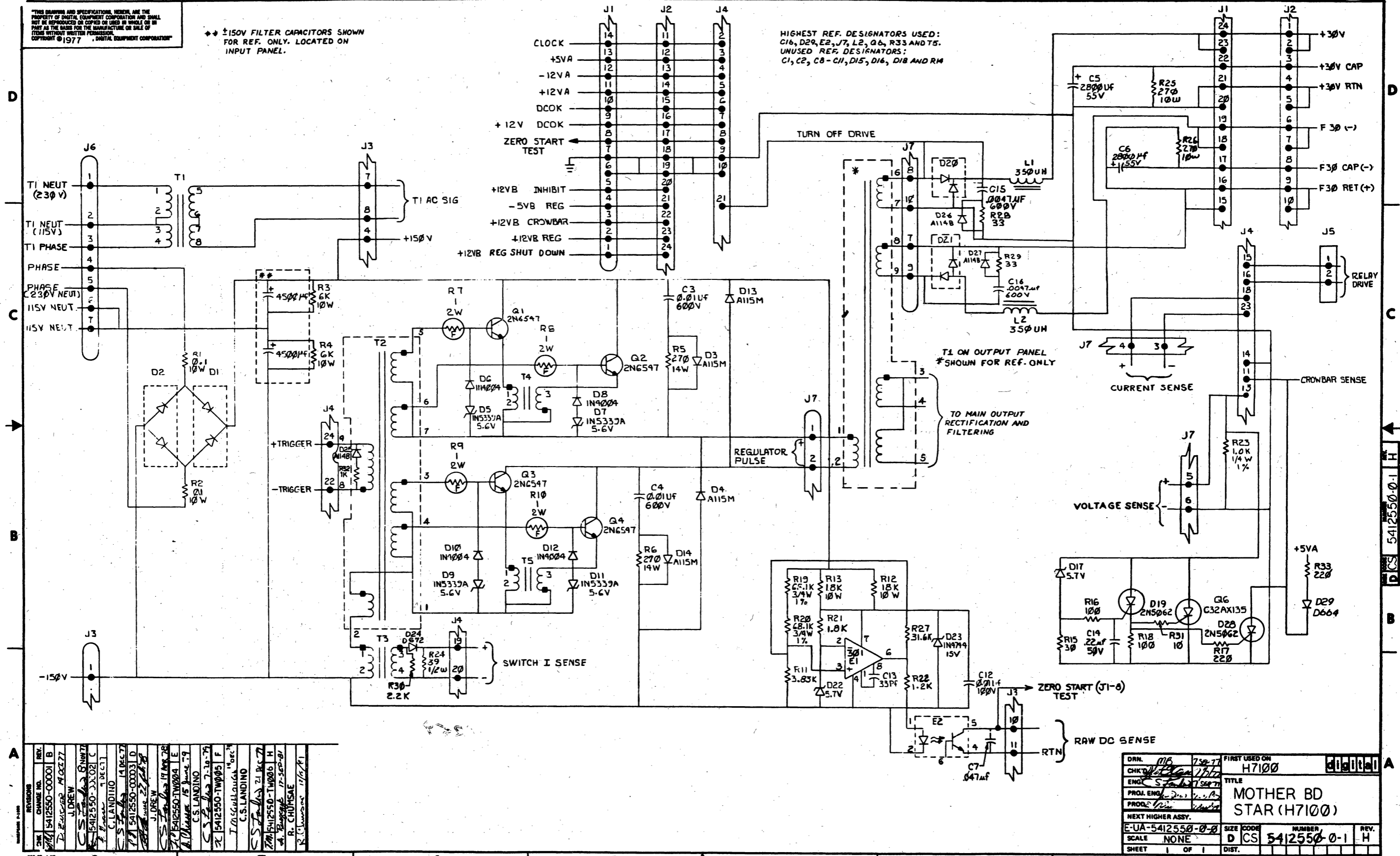
TITLE	DOCUMENT NUMBER
H7100 MOTHER BOARD	EJA 5412550-0-0 H
SCALE	SHEET 4 OF 4

1230

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±150V FILTER CAPACITORS SHOWN FOR REF. ONLY. LOCATED ON INPUT PANEL.

HIGHEST REF. DESIGNATORS USED: C16, D29, E2, J7, L2, Q6, R33 AND T5.
 UNUSED REF. DESIGNATORS: C1, C2, C8 - C11, D15, D16, D18 AND R4



REV.	DATE	BY	CHKD.	DESCRIPTION
1	14 DEC 77	J. DREW	J. DREW	REVISED
2	17 MAR 78	J. DREW	J. DREW	REVISED
3	17 MAR 78	J. DREW	J. DREW	REVISED
4	17 MAR 78	J. DREW	J. DREW	REVISED
5	17 MAR 78	J. DREW	J. DREW	REVISED
6	17 MAR 78	J. DREW	J. DREW	REVISED
7	17 MAR 78	J. DREW	J. DREW	REVISED
8	17 MAR 78	J. DREW	J. DREW	REVISED

DRN. 116	FIRST USED ON H7100	DIGITAL
CHKD. J. DREW	TITLE MOTHER BD STAR (H7100)	
ENG. S. J. DREW	PROJ. ENG. J. DREW	
PROJ. ENG. J. DREW	SCALE NONE	
NEXT HIGHER ASSY.	SIZE CODE D CS	
E-UA-5412550-0-0	NUMBER 5412550-0-1	
SHEET 1 OF 1	DIST.	

1231

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
		D-MD-5012549-0-0	5012549-00	54-12550 PC BOARD	1		
			1000009-00	33.0 MMF 100V 5%200PPM MICA	1		C13
			1001610-01	.01 MFD50/100V +80-20% DISC	1		C12
			1014337-00	2800 MFD 55V 20% AL EL	1		C5, C6
			1011847-02	.01 MFD 600V 10% POLYPROP	1		C3, C4
			1011847-03	.0047 MFD 600V 10% POLYPROP	1		C15, C16
			1114192-01	TR=200NS COM. ANODE	1		D21
			1105648-00	IN 4744 VZ= 15.0 10% 1W	1		D23
			1105796-00	IN 4004 PIV=400 I= 1A D041 SP	1		D6, D8, D10, D12
			1105275-00	D 672 TR= 15NS PIV= 60V SI	1		D24
			1109519-00	*** THIS ITEM IS NOT USED ***			
			1110968-00	2N 5062 SCR3100V I= 8A T092	1		D19, D28
			1111205-00	SCREENED VZ= 5.7 2% .40W	1		D17, D22
			1112594-02	A115M PIV=600 I= 3A	1		D3, D4, D13, D14
			1114193-00	PIV=600 I=30A COM. CATH	1		D1
			1114193-01	PIV=600 I=30A COM. ANOD	1		D2
			1114196-00	IN 5339A VZ= 5.6 10% 5W	1		D5, D7, D9, D11
			1114192-00	TR=200NS COM. CATHODE	1		D20
			1214255-04	HEAT SINK, SINGLE, T03 W/THREADE	1		J5
			1214255-05	HEAT SINK, DOUBLE, T03 W/THREADE	1		J3
			1212297-00	MATE-N-LOK 2PIN UNIV HEADER	1		J4, J1, J2
			1214257-00	EDGE CARD 12POS STRAIGHT .156CC	1		
			1214257-02	EDGE CARD 24POS STRAIGHT .156CC	1		
			1213071-02	INSULATOR, RUBBER SILICONE SM	1		
			1300229-00	100.0 .25 W 5.0 % CC	1		R16, R18
			1300398-00	1.80 K .25 W 5.0 % CC	1		R21
			1301320-00	1.20 K .25 W 5.0 % CC	1		R22
			1303114-00	1.0 K .25 W 1.0 % RNSS0-F10	1		R23
			1302466-00	*** THIS ITEM IS NOT USED ***			
			1302751-00	30.0 .25 W 5.0 % CC	1		R15

REVISION HISTORY		BASIC PART NO: 5412550		DRN: A.COLON	DATE: 01-AUG-79	D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: K.GLEEZEN	DATE: 01-AUG-79	TITLE PARTS LIST	
	INITIAL	E	SECTION VARIATION INDEX	DES.ENG: C.S.LANDINO	DATE: 01-AUG-79	MOTHER BD. STAR(H7100)	
CSL	TW005	F	[A] 00	RESP.ENG.: C.S.LANDINO	DATE: 01-AUG-79	DOCUMENT NUMBER	
RC	5412550-TW006	H	[B]	MFG.ENG.: E.BLAIR	DATE: 01-AUG-79	SIZE	CODE
			[C]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	NUMBER	REV
			[D]	D-UA-5412550-0-0		K	PL
			[E]			5412550-0-DBP	H
			[F]			FILE NAME:	EDIT #
			[G]			20628H.PLS	7
			[H]				
			[I]				
			[J]				
			[K]				
			[L]				
			[M]				
			[N]				

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1232

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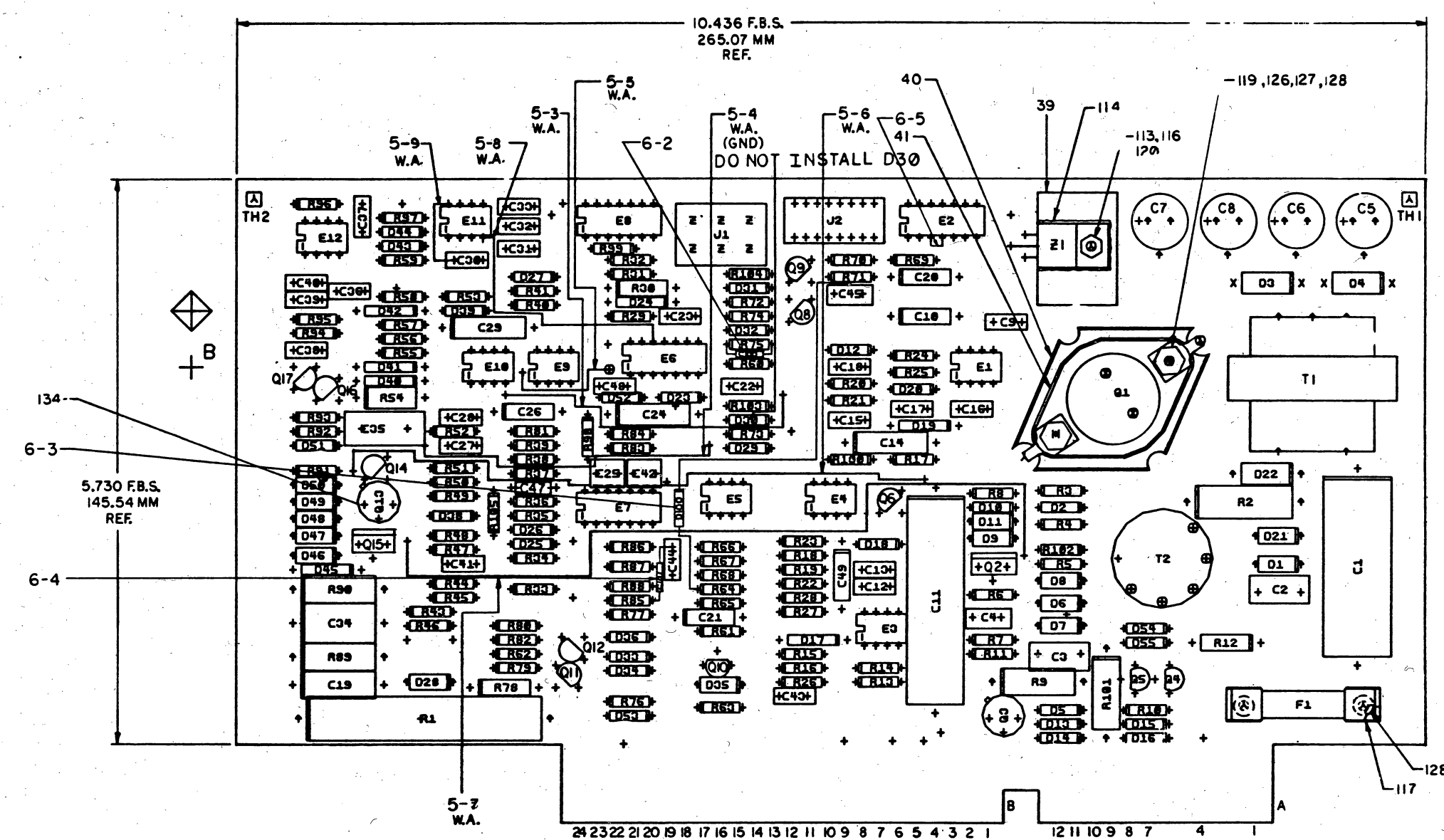
PARIS LIST

SHEET A2 OF A2

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
63	31		1302884-00	68.10 K .75 W 1.0 % RN65D-F10	2		R19, R20
64	31		1309413-00	3.83 K .25 W 1.0 % RN55D-F10	1		R11
65	31		1309108-00	.10	2		R1, R2
66	31		1303297-00	6.0 K 10.0 W 5.0 %	2		R3, R4
67	31		1314172-00	270.0 14.0 W 5.0 %	2		R5, R6
68	31		1314350-00	1.0 2.0 W 10.0 % FUSE	4		R7, R10
69	31		1314544-00	270.0 10.0 W 5.0 %	2		R25, R26
70	31		1314173-00	18.0 K 10.0 W 5.0 %	2		R10, R13
71	31		1302336-00	39.0 .50 W 5.0 %	1		R24
72	31		1305419-00	31.60 K .25 W 1.0 % RN55D-F10	1		R27
73	31		1314351-00	33.0 5.0 W 10.0 %	2		R28, R29
74	31		1514195-00	2N 6547 NPN 400V SI 15A	4		Q1-Q4
75	31		1510928-00	C32AX135 SCR@100V I=25A	1		Q6
76	31		1612919-01	XFMR P=AB S= 12.6CT@100MA 50HZ	1		T1
77	31		1614204-00	PULSE XFMR 20312 BASE DRIVE	1		T2
78	31		1614202-00	XFMR, CURRENT	1		T3
79	31		1614203-00	CHOK, BALUN-COMMON MODE	2		T4, T5
80	31		1614334-00	1.6 UH 10A	2		L1, L2
81	31		1910282-00	301AN OP AMP	1		U1
82	31		1914194-00	OPTP-COUPLED ISOLATOR	1		F1
83	31		9000038-08	SCREW, PAN, PHIL 10-32X 7/16 BR/T	4		
84	31		9007906-00	WASHER, LOCK S.S. #10	4		
85	31		9006024-01	SCREW, PAN, PHIL 6-32X 1/2 SS	16		
86	31	BLANK	9009676-00	TERM SOLDER BARRIER STR	16		
87	31		9010164-00	WASHER, FLAT, .380 OD X .203 ID	4		
88	31		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	4		
89	31		9007801-00	WASHER, LOCK, S.S. #6	4		
90	31		9107688-33	*** THIS ITEM IS NOT USED ***	1		J6
91	31		1212484-05	TERM BLOCK 7POS	1		J7
92	31		1212484-04	TERM BLOCK 10POS .375 SPACING PC	1		
93	31		9006023-01	SCREW, PAN, PHIL 6-32X 7/16 SS	4		D25-D27
94	31		1112595-01	A1148 PIV=200 I= 1A	3		R32
95	31		1300365-00	1.0 K .25 W 5.0 % CC	1		
96	31		9107560-03	*** THIS ITEM IS NOT USED ***	1		
97	31		9107278-11	*** THIS ITEM IS NOT USED ***	1		
98	31		9008376-00	*** THIS ITEM IS NOT USED ***	1		
99	31	BLANK	1300271-00	220.0 .25 W 5.0 % CC	2		R17, R33
100	31		1301317-00	10.0 .25 W 5.0 % CC	1		R31
101	31		1300417-00	2.20 K .25 W 5.0 % CC	1		R30
102	31		1012794-00	.047 MFD 50V +80-20% CER	1		C7
103	31		1010274-01	.22 MFD 50V +80-20% Z5U CER	1		C14
104	31		9007649-00	WASHER, LOCK, EXTERNAL TOOTH #6	16		
105	31		1100114-00	D 664 QS75PCB PIV= 25V SP	1		D29

D	I	G	I	T	A	L	TITLE	MOTHER BD. STAR(H7100)	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5412550-0-DBP	H

1977



NOTES:
 1. THIS BOARD MUST MEET U/L REQUIREMENTS

CHG	NO	REV	BY	DATE
1	5412554-5	F		
2	5412554-TWS	H		
3	5412554-TWS	H		
4	5412554-TWS	H		

ETCH REV.	C-PI
P.C. DESIGN DATA BRD REV.	C-PI

SIGNATURES	DATE
DRN. G.C. [Signature]	11-11-77
CHK'D. [Signature]	
ENG. C.S. [Signature]	2/20/78
PROJ. ENG. T.E. [Signature]	2/20/78
PROD. D. [Signature]	2/20/78

TITLE: H7100 BIAS/CONTROL

SCALE: 2/1

SHT. 1 OF 4

NEXT HIGHER ASSY: B-DD-5412554-0-0

digital

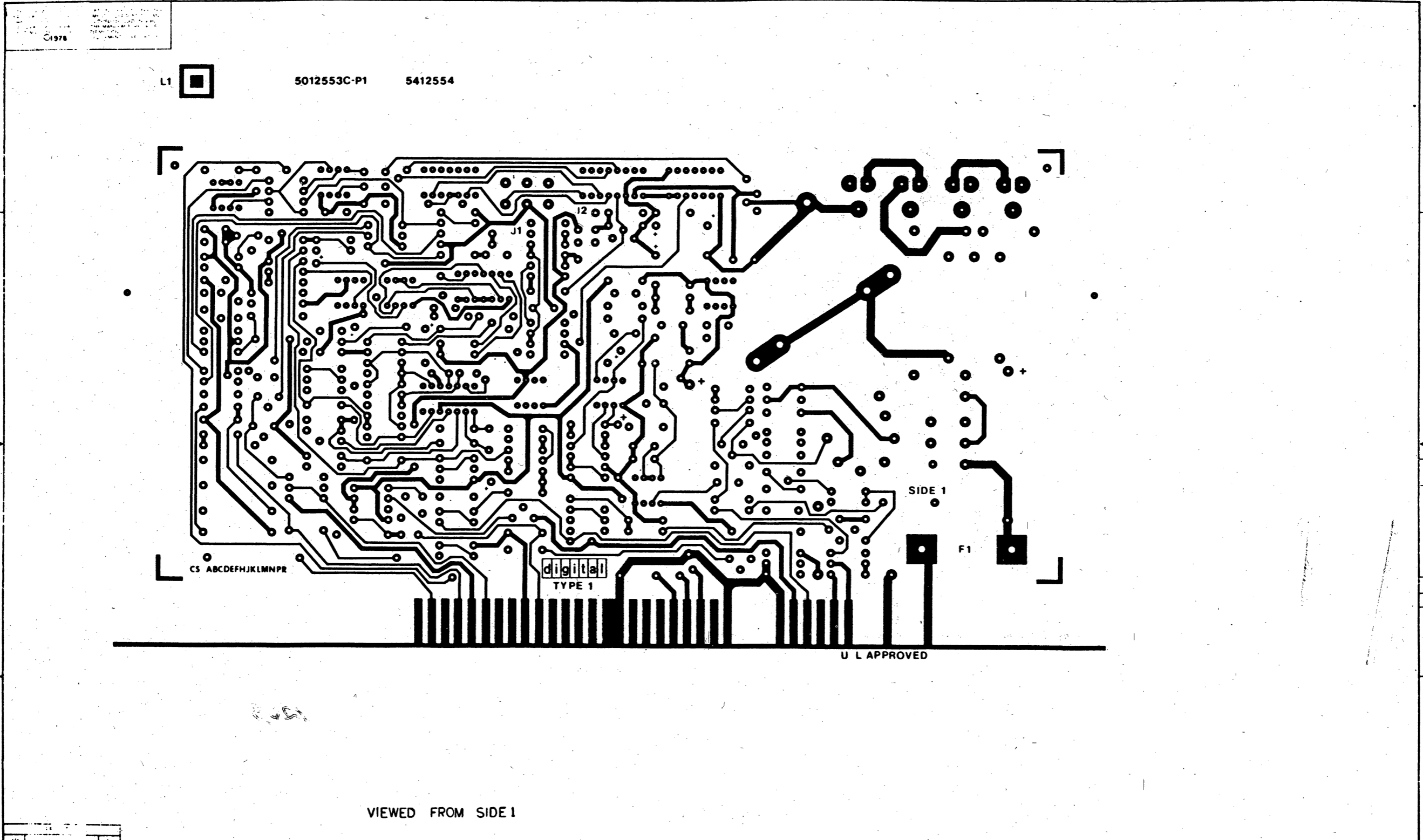
H7100 BIAS/CONTROL

DJA 5412554-0-0 H

1234

8 7 6 5 4 3 2 1

DUA5412554 0-0 H 2



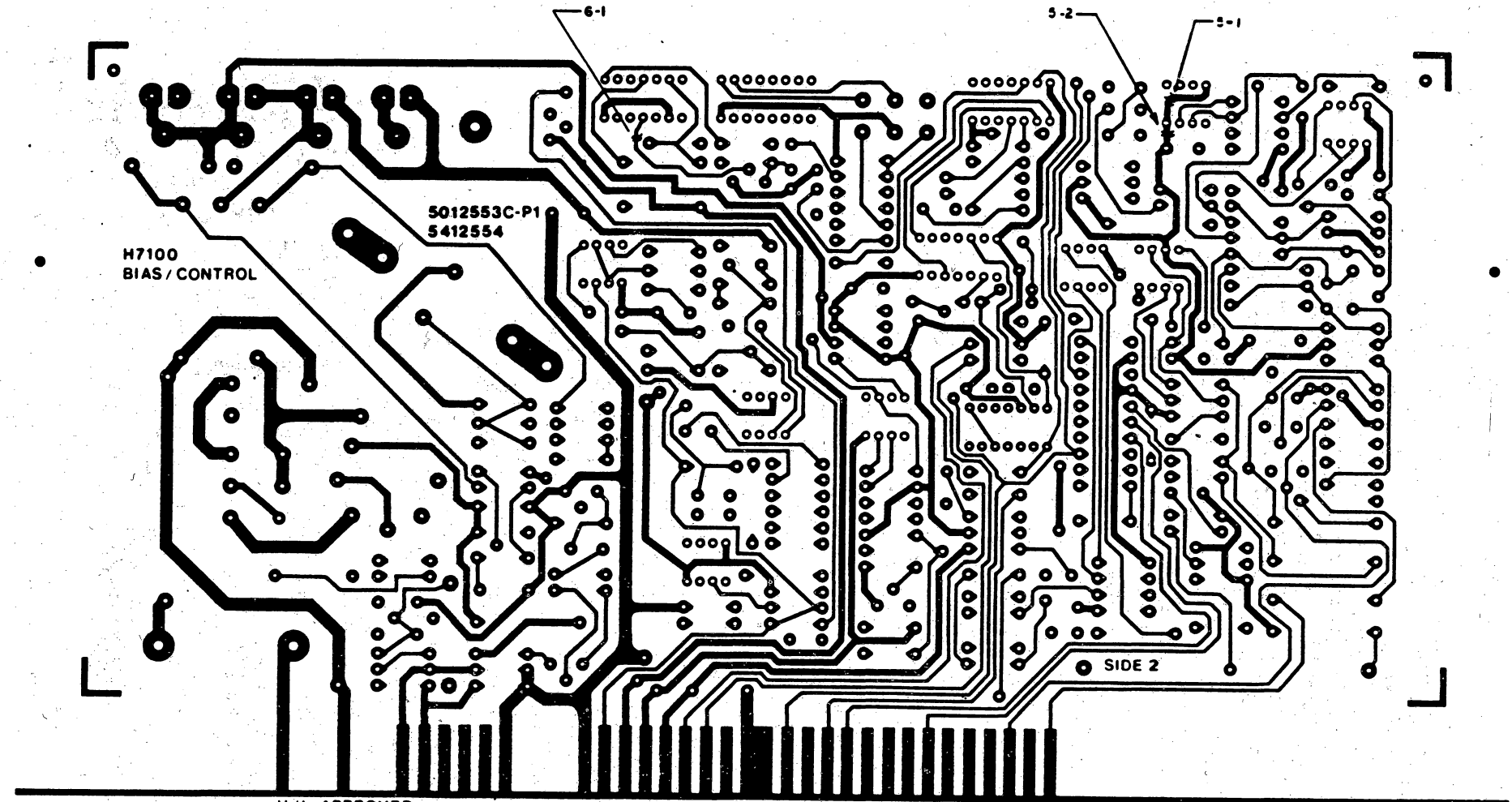
TITLE		D.L. CODE		NUMBER		REV
H7100 BIAS/CONTROL BD		DUA		5412554-0-0		H
2:1		2 4				

1235

8 7 6 5 4 3 2 1 H 0-0-0-0 H

1978

L2



UA 5412554-0-0 H

VIEWED FROM SIDE 1

REVISION	
CHANGE	

H7100 BIAS/CONTROL D UA 5412554-0-0 H

SCALE 2:1 SHEET 3 4

8 7 6 5 4 3 2 1

1236

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DUA 5412554-0-0 H 2

FIRST RELEASE

DELETES SIDE 1:

ETCH CUT SIDE 1:

ETCH CUT SIDE 2:

COMPONENT ADD SIDE 1:

WIRE ADDS SIDE 1:

- 5-1) BETWEEN E11/4 & E11/8
- 5-2) " E11/4 & C30
- 6-1) CUT ETCH FROM E8-12 AT E2-4 (NOTE THAT E2-4 AND E2-3 ARE REVERSED ON SCHEMATIC.)

- 6-2) ADD C100 IN PARALLEL WITH R75.
- 6-3) ADD D100 WITH SLEEVING P/N 91-07256-11 ON LEADS. ANODE TO THE JUNCTION OF R63, R64, R65, C21 AND CATHODE TO E8-12 USING P/N 90-05740-55
- 6-4) ADD C101 FROM RIGHT HAND SIDE OF R85 (GROUND) TO PLATED THRU HOLE BY RIGHT HAND SIDE OF R86.

- 5-3) FROM E10/4 TO FEEDTHRU RIGHT OF R103
- 5-4) " D29/ANODE TO FEEDTHRU BELOW C27
- 5-5) " E9/8 TO FEEDTHRU NEAR E5/1
- 5-6) " Q14/EMITTER TO C11/4
- 5-7) " FEEDTHRU RIGHT OF Q15 TO FEEDTHRU RIGHT OF Q2
- 5-8) " E11/4 TO E6/12
- 5-9) " E11/8 TO C30
- 6-5) " E2-3 TO E2-4

DELETES SIDE 2:

WIRE ADDS SIDE 2:

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	H7100 BIAS/CONTROL	SIZE CODE	DUA 5412554-0-0	NUMBER	H
SCALE	NOTED	SHEET	4 OF 4	DIST.	

1 W0260920

1237

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
1	1	D-MD-5012553-0-0	5012553-00	5412554	1	
2	2		1000009-00	33.0 MMF 100V 55200PPM MICA	2	C15,C28
3	3		1000042-00	1000.0 MMF 100V 5%200PPM MICA	4	C13,C32,C33,C39
4	4		1000055-00	2200.0 MMF 250V 20% Y5S DISC	1	C23
5	5		1000064-00	3.9MFD 10V 10% S.TANT	1	C20
6	6		1001610-01	.01 MFD50/100V +80-20% DISC	10	C12,C16,C18,C22,C31,C36,C38,C41,C44,C43
7	7		1001776-00	1 MFD 35V 10% S.TANT	2	C10,C49
8	8		1002180-00	.15 MFD 35V 20% S.TANT	1	C21
9	9		1000026-00	680.0 MMF 100V 5%200PPM MICA	1	C4
10	10		1002504-00	3600.0 MMF 100V 5%200PPM MICA	1	C3
11	11		1002627-00	2.2MFD 20V 10% S.TANT	1	C26
12	12		1004813-00	10 MFD 20V 10% S.TANT	1	C14
13	13		1005306-00	6.8MFD 35V 10% S.TANT	1	C29
14	14		1013280-00	680.0 MMF 1000V 5%200PPM MICA	1	C2
15	15		1010978-36	.1 MFD 50V 10% CER	5	C9,C27,C30,C40,C101
16	16		1012607-00	560 MFD 20V+100-10% AL EL	4	C5-C8
17	17		1010279-00	.47 MFD 25V 20% CER	2	C25,C42
18	18		1011849-01	600 MFD 25V +75-10% AL EL	1	C11
19	19		1013669-04	1 MFD 400V 10% M.POLYPROP	1	C1
20	20		1013291-01	.22 MFD 80V 10% MYLR	1	C34
21	21		1014430-00	.022 MFD 270V 10% M.POLYPROP	1	C19
22	22		1011847-01	.01 MFD 400V 10% POLYPROP	1	C35
23	23		1100114-00	D 664 QS\75PCB PIV= 25V SP	19	D23,D25-D27,D29,D31-D34,D36,D39,D38,D43,D44,D52-D55,D100
24	24		1102495-00	VZ= 3.3 5% .25W	1	D24
25	25		1100125-00	1N 758A VZ= 10.0 5% .40W PPE	1	D17
26	26		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	8	D2,D5,D12-D16,D51
27	27		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	2	D19,D42
28	28		1109990-00	1N 757A VZ= 9.1 5% .40W P	1	D40

REVISION HISTORY		BASIC PART NO: 5412554		DRN:	R. BUREAU	DATE: 02-FEB-79	DIGITAL			
ENG!	ECO NUMBER	REV	SECTION A OF A	CHK'D:	T. SHETRAWSKI	DATE: 13-APR-79	TITLE PARTS LIST			
CL	5412554-ML05A	F	SECTION VARIATION INDEX				H7100 BAIS CONTROL			
RC	5412554-TW006	H	[A] 00							
			[B]							
			[C]	DES.ENG:	C. LANDINO	DATE: 02-FEB-79				
			[D]							
			[E]				DOCUMENT NUMBER			
			[F]	RESP.ENG.:	C. LANDINO	DATE: 02-FEB-79				
			[G]				SIZE	CODE	NUMBER	REV
			[H]							
			[I]	MFG.ENG.:	E. BLAIR	DATE: 02-FEB-79	K	PL	5412554-0-DBP	H
			[J]							
			[K]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #	
			[L]	D-UA-5412554-0-0			Z0426.PLS		11	
			[M]							
			[N]							

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
29	29		1110836-00	1N 759A VZ= 12.0 5% .40W	1	D45
30	30		1105275-00	D 672 TR= 15NS PIV= 60V SI	3	D10,D18,D20
31	31		1111205-00	SCREENED VZ= 5.7 2% .40W	1	D41
32	32		1112594-01	A115B PIV=200 I= 3A	2	D3,D4
33	33		1112595-00	A114F PIV= 50 I= 1A	0	
34	34		1112595-01	A114B PIV=200 I= 1A	11	D6-D9,D11,D35,D46-D50
35	35		1112595-02	A114M PIV=600 I= 1A	3	D1,D21,D28
36	36		1113123-00	1.5K3200 VOLT.TRANS.SUPPRESS. 220	1	D22
37	37		1211813-02	SOCKET 16PIN IC LOW PROFILE,	1	J2
38	38		1212297-05	MATE-N-LOK 6PIN UNIV HEADER	1	J1
39	39		1212487-01	HEAT SINK EXTRUSION PLASTIC STAM	1	
40	40		1213426-01	HEAT SINK TD-3	1	
41	41		1213071-02	INSULATOR,RUBBER SILICONE SM	1	
42	42		1300229-00	100.0 .25 W 5.0 % CC	3	R3,R73,R79
43	43		1300285-00	270.0 .50 W 5.0 % CC	1	R12
44	44		1300287-00	270.0 1.0 W10.0 % CC	3	R9,R89,R101
45	45		1300247-00	120.0 .25 W 5.0 % CC	1	R29
46	46		1300316-00	470.0 .25 W 5.0 % CC	3	R5,R91,R8
47	47		1300347-00	680.0 .50 W 5.0 % CC	1	R78
48	48		1300365-00	1.0 K .25 W 5.0 % CC	17	R6,R7,R11,R13,R16,R20,R22,R23, CONT R71,R72,R74,R82-R84,R98,R99,R75
49	49		1300391-00	1.50 K .25 W 5.0 % CC	2	R32,R76
50	50		1300417-00	2.20 K .25 W 5.0 % CC	2	R31,R33
51	51		1300421-00	2.20 K 2.0 W10.0 % CC	1	R2
52	52		1300432-00	3.0 K .25 W 5.0 % CC	3	R44,R60,R70
53	53		1300447-00	4.70 K .25 W 5.0 % CC	4	R86,R53,R26,R61
54	54		1300479-00	10.0 K .25 W 5.0 % CC	5	R18,R55,R81,R103,R104
55	55		1300439-00	3.30 K .25 W 5.0 % CC	1	R62
56	56		1300495-00	15.0 K 1.0 W10.0 % CC	1	R90
57	57		1300496-00	15.0 K .25 W 5.0 % CC	2	R15,R58
58	58		1300507-00	27.0 K .50 W10.0 % CC	1	R30
59	59		1302398-00	470.0 K .25 W 5.0 % CC	2	R39,R38
60	60		1300539-00	120.0 K .25 W 5.0 % CC	1	R34
61	61		1305346-00	27.0 K .25 W 5.0 % CC	1	R37
62	62		1300202-00	47.0 .25 W 5.0 % CC	3	R4,R46,R40
63	63		1303067-00	422.0 .25 W 1.0 % RN55D-F10	1	R95
64	64		1302177-00	47.0 K .25 W 5.0 % CC	1	R66
65	65		1302298-00	261.0 K .25 W 1.0 % RN55C-F 5	1	R47
66	66		1310597-00	100.0 10.0 W 5.0 % WW	1	R1
67	67		1300309-00	390.0 .25 W 5.0 % CC	1	R77
68	68		1302389-00	4.30 K .25 W 5.0 % CC	2	R51,R19
69	69		1302411-00	511.0 .25 W 1.0 % RN55D-F10	3	R68,R36,R45
70	70		1302466-00	100.0 K .25 W 5.0 % CC	1	R21
71	71		1302514-00	39.0 K .25 W 5.0 % CC	2	R49,R57
72	72		1302685-00	909.0 .25 W 1.0 % RN55D-F10	1	R67
73	73		1303179-00	8.20 K .25 W 5.0 % CC	1	R10
74	74		1304856-00	4.64 K .25 W 1.0 % RN55D-F10	1	R93
75	75		1303303-00	2.61 K .25 W 1.0 % RN55D-F10	1	R27

D	I	G	I	T	A	L	TITLE	H7100 BAIS CONTROL	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5412554-0-DBP	H

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
76	76		1303313-00	12.10 K .25 W 1.0 % RN55D-F10	2		R52,R69
77	77		1303362-00	205.0 K .50 W 1.0 % RN60D-F10	1		R54
78	78		1304833-00	1.96 K .25 W 1.0 % RN55D-F10	2		R28,R63
79	79		1304858-00	348.0 .25 W 1.0 % RN55D-F10	2		R87,R88
80	80		9007201-00	TRANSIPADS #10253	2		
81	81		1305265-00	39.20 K .25 W 1.0 % RN55D-F10	1		R96
82	82		1304841-00	75.0 K .25 W 5.0 % CC	1		R50
83	83		1305324-00	4.99 K .25 W 1.0 % RN55D-F10	1		R85
84	84		1301422-00	7.50 K .25 W 5.0 % CC	1		R80
85	85		1309419-00	19.60 K .25 W 1.0 % RN55D-F10	1		R92
86	86		1305421-00	35.70 K .25 W 1.0 % RN55D-F10	1		R25
87	87		1309417-00	27.40 K .25 W 1.0 % RN55D-F10	1		R59
88	88		1312482-00	2.70 .25 W 5.0 % CC	1		R94
89	89		1310881-00	1.0 K .25 W 1.0 % FUSE	3		R48,R56,R64
90	90		1311522-00	200.0 .25 W 5.0 % CC	1		R14
91	91		1311594-00	30.10 K .25 W 1.0 % RN55D-F10	1		R24
92	92		1302377-00	39.0 .25 W 5.0 % CC	1		R43
93	93		1300197-00	33.0 .25 W 5.0 % CC	1		R41
94	94		1313476-00	51.10 K .25 W 1.0 % RN55D-F10	1		R35
95	95		1300426-00	2.70 K .25 W 5.0 % CC	1		R97
96	96		1509649-01	3762 PNP 4W SI 40 35	1		Q3
97	97		1510705-00	XA 05 NPN 500MW SI 60 50 P	4		Q4,Q5,Q10,Q12
98	98		1510706-00	XA 55 PNP 500MW SI 60 50 P	7		Q6,Q8,Q9,Q11,Q16,Q17,Q14
99	99		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1		Q13
100	100		1512782-00	NPN 100W S1325 15	1		Q1
101	101		1512790-00	D 44C12 NPN 30W SI	1		Q2
102	102		1514271-01	D 44Q5 NPN 31W SI225 30	1		Q15
103	103		1614209-00	PULSE XFMR,RATIO 1:8:32	1		T2
104	104		1614201-00	XFMR,POWER,PC MNT 20KHZ 30W	1		T1
105	105		1909373-00	9601 ONE SHOT,RETRIGGERAB	1		E2
106	106		1910282-00	301AN OP AMP	3		E4,E5,E10
107	107		1914432-00	75454 DRIVER,PERIPH,DUAL,	1		E9
108	108		1911944-00	555CN TIMER,FUNCT,BLOCK	4		E1,E3,E11,E12
109	109		1912838-00	LS132 NAND GATE-QUAD 2IN P	1		E6
110	110		1912108-00	339 VOLT CMPRTR,QUAD	1		E7
111	111		1912536-00	DEC 7805 VOLT REG,FIX +5V	1		Z1
112	112		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1		E8
113	113		9006557-00	NUT,KEP , 4-40X 1/4 AF	1		
114	114		9009769-00	WASHER, RECTANGULAR .405X.225X.0	1		
115	115		9007203-00	CLIP, FUSE, WITH STOP, SCREW MOU	2		
116	116		1213071-06	INSULATOR,RUBBER SILICONE	1		
117	117		1215536-01	FUSE, REG BLOW, 2.000A 250V, C	1		F1
118	118		9009000-00	EYELET, ROLLED FLANGE, .121 OD X	2		
119	119		9009676-00	TERM LUG 1POS SOLDER	2		
120	120		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	1		
121	121		1014169-00	1000.0 MMF 100V 1%200PPM MICA	2		C17,C37
122	122		1001765-00	.005 MFD 100V 20% Z5T DISC	2		C47,C48
123	123		1301320-00	1.20 K .25 W 5.0 % CC	1		R102

D	I	G	I	T	A	L	TITLE	H7100 BAIS CONTROL	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5412554-0-DBP	H

AUTOMATED BY PRTLST.3H(22)

PARTS LIST

SHEET A4 OF A4

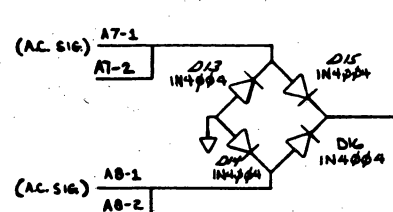
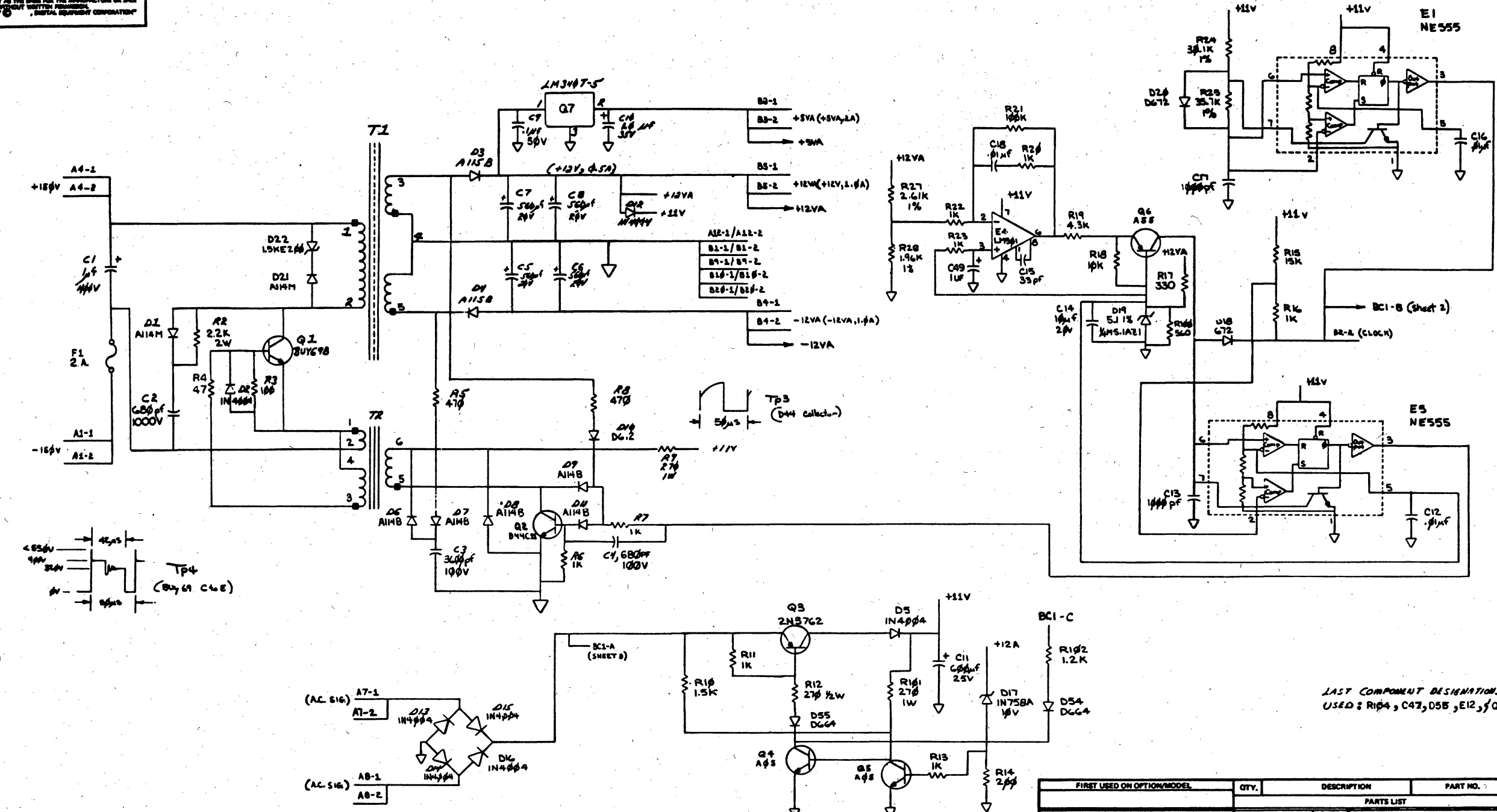
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
124	124	1313155-00	604.0 .25 W 1.0 % RN55D-F10	1	R65
125	125	1301890-00	560.0 .25 W 5.0 % CC	1	R100
126	126	9006022-01	SCREW,PAN,PHIL 6-32X 3/8 SS	2	
127	127	9007801-00	WASHER, LOCK, S.S. #6	2	
128	128	9006558-00	NUT,HEX , 6-32X5/16AF X 7/	2	
129	129	1010274-00	.22 MFD 50V +80-20% Z5U CER	2	C45,C100
130	130	9107256-11	TUBING,THIN WALL,.027ID UL	A/R	
131	131	9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
132	132	1300295-00	330.0 .25 W 5.0 % CC	1	R17
133	133	1302871-00	1.21 K .25 W 1.0 % RN55D-F10	1	R105
134	134	9107252-00	TUBING,SHRINK, .375ID EXP. UL	A/R	
135	135	1000076-00	39 MFD 10V 10% S.TANT	1	C24

D	I	G	I	T	A	L	TITLE	H7100 BAIS CONTROL	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5412554-0-DBP	H

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1241

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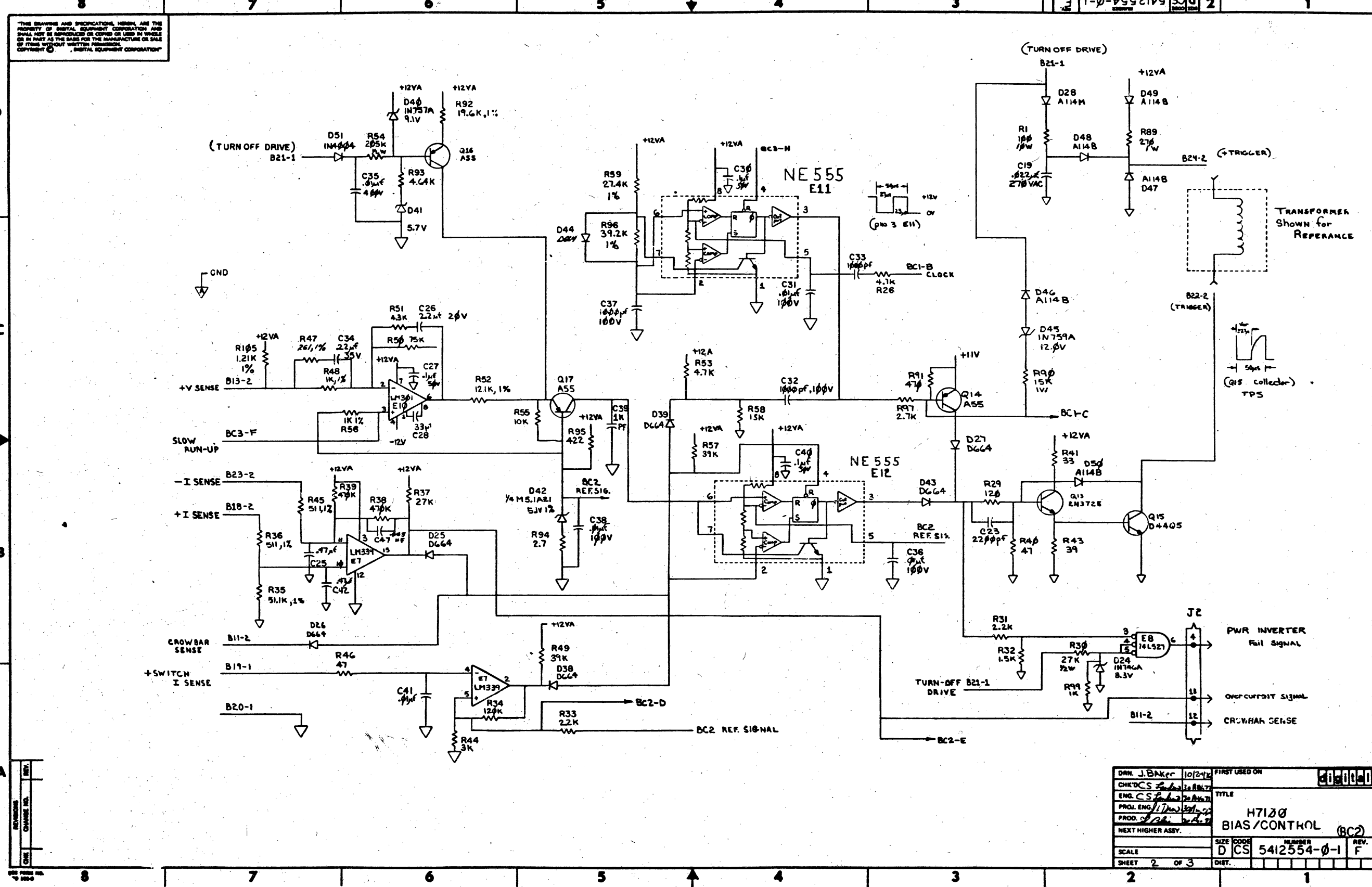


LAST COMPONENT DESIGNATIONS USED: R104, C47, D55, E12, Q17

REV.	DATE	BY	CHK
B	10/21/77	J. Baker	J. Baker
A	10/21/77	J. Baker	J. Baker
C	10/21/77	J. Baker	J. Baker
D	10/21/77	J. Baker	J. Baker
E	10/21/77	J. Baker	J. Baker
F	10/21/77	J. Baker	J. Baker

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
DIMENSIONAL TOLERANCE		DRN. J. Baker	DATE 10/21/77	digital	
DIMENSIONS ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED		CHK'D. C. S. Fisher	DATE 10/21/77		
MILLIMETERS	INCHES	ANGLES	DATE 10/21/77	TITLE H7100 BIAS/CONTROL (BC)	
XX = ±0.10	XX = ±0.05	XX = ±0.02	DATE 10/21/77		
X = ±0.5	X = ±0.3	X = ±0.1	DATE 10/21/77	SIZE CODE NUMBER DCS 5412554-0-1	
THIRD ANGLE PROJECTION			DATE 10/21/77		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.		REV. F	
MATERIAL		SCALE			
FINISH		SHEET 1 OF 3		DIST.	

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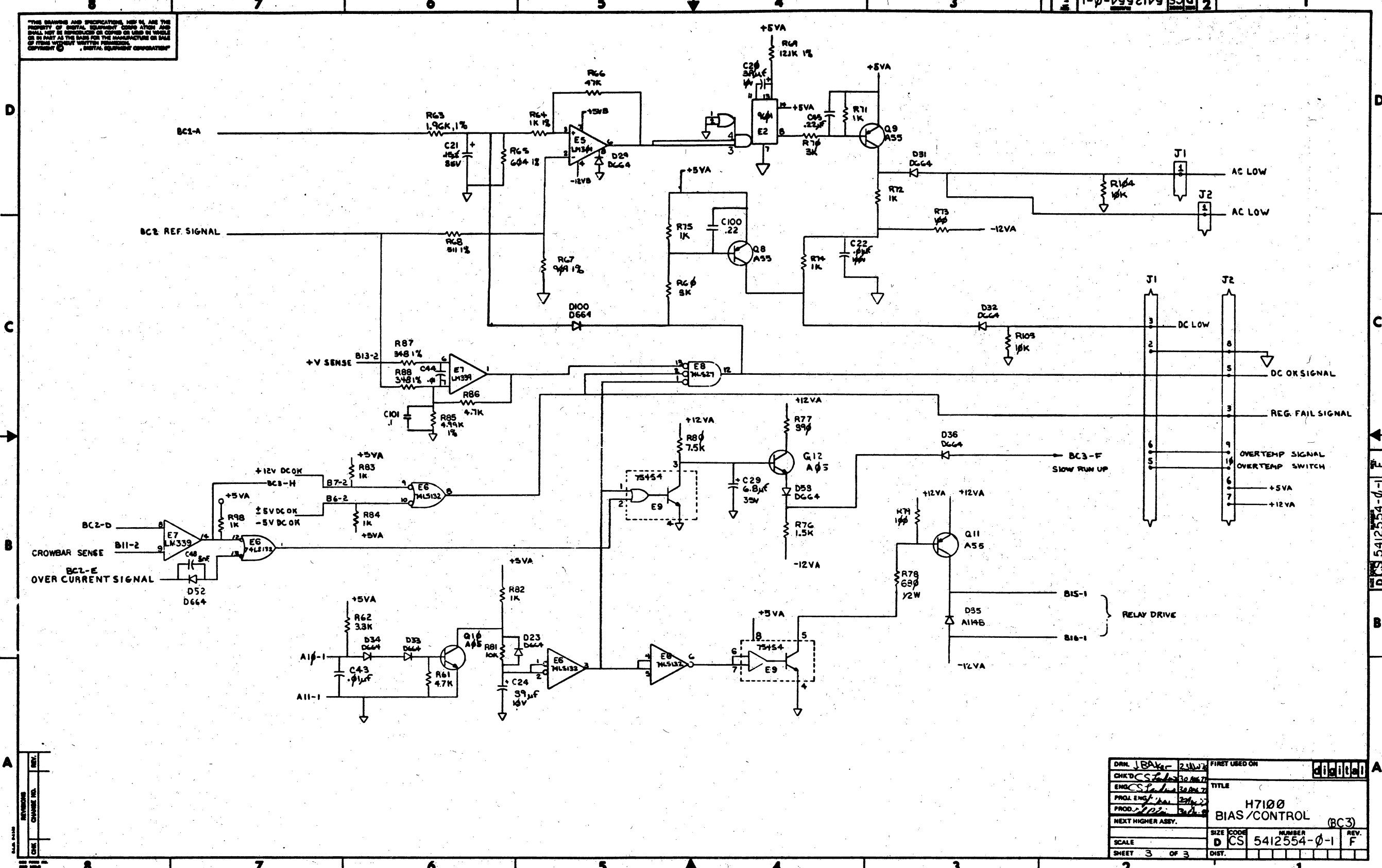


DRN. J. Baker	10/2/72	FIRST USED ON	
CHK'DCS	10/2/72	TITLE	H7100
ENG. C. S. [unclear]	10/2/72		BIAS/CONTROL (BC2)
PROJ. ENG. [unclear]			
PROD. [unclear]			
NEXT HIGHER ASSY.		SIZE	D
		CODE	CS
		NUMBER	5412554-0-1
		REV.	F
SCALE		SHEET	2 OF 3
		DIST.	

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DCS 5412554-0-1



REV.	
CHG.	
REV.	
CHG.	

DRN. JBA	2/11/72	FIRST USED ON	
CHK'D. CS	3/10/72	TITLE	
ENG. CS	3/10/72		
PROD. ENG.			
NEXT HIGHER ASSY.			
SCALE	D	SIZE	CS
SHEET 3 OF 3		NUMBER	5412554-0-1
		REV.	F

1244