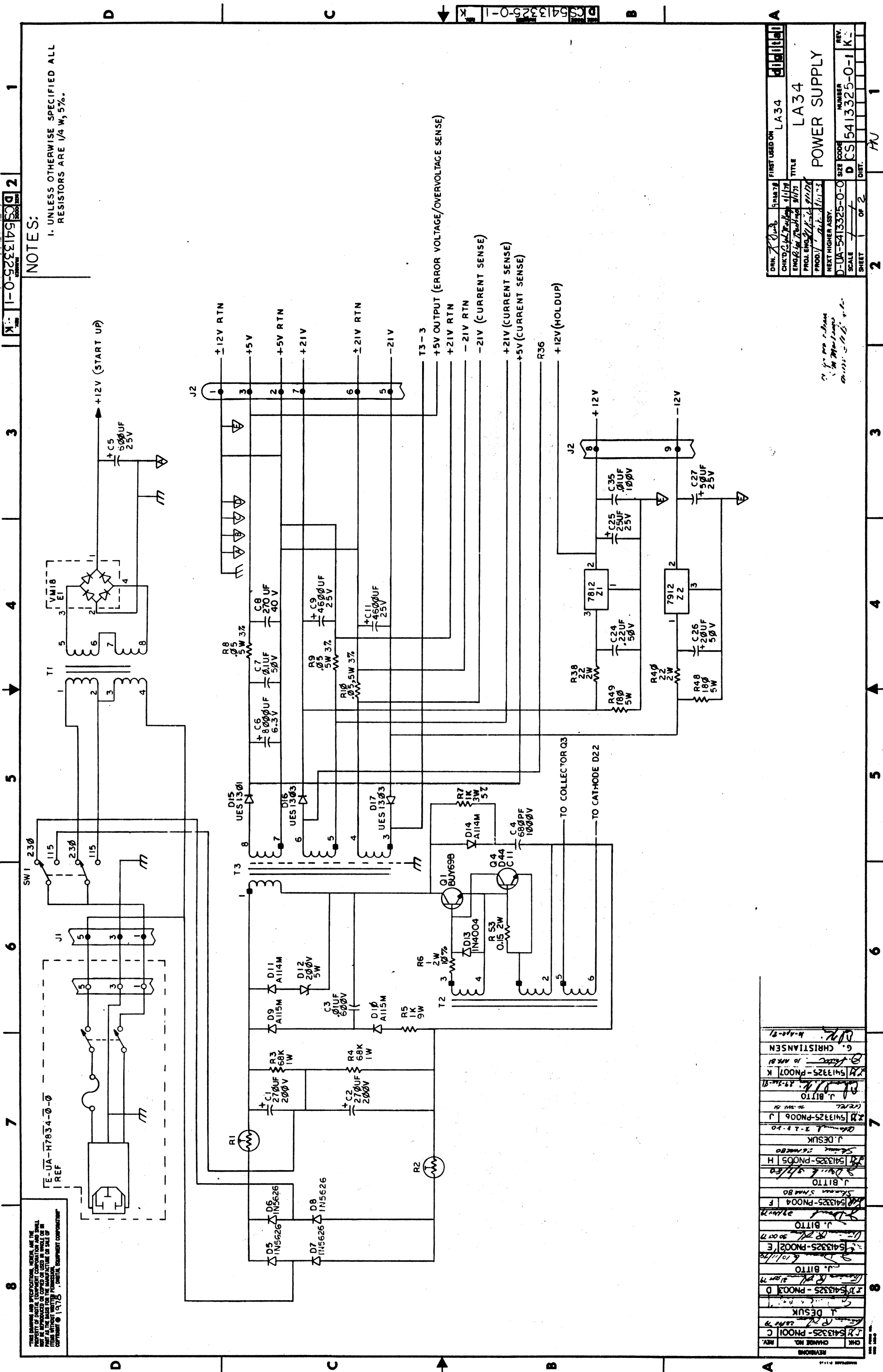


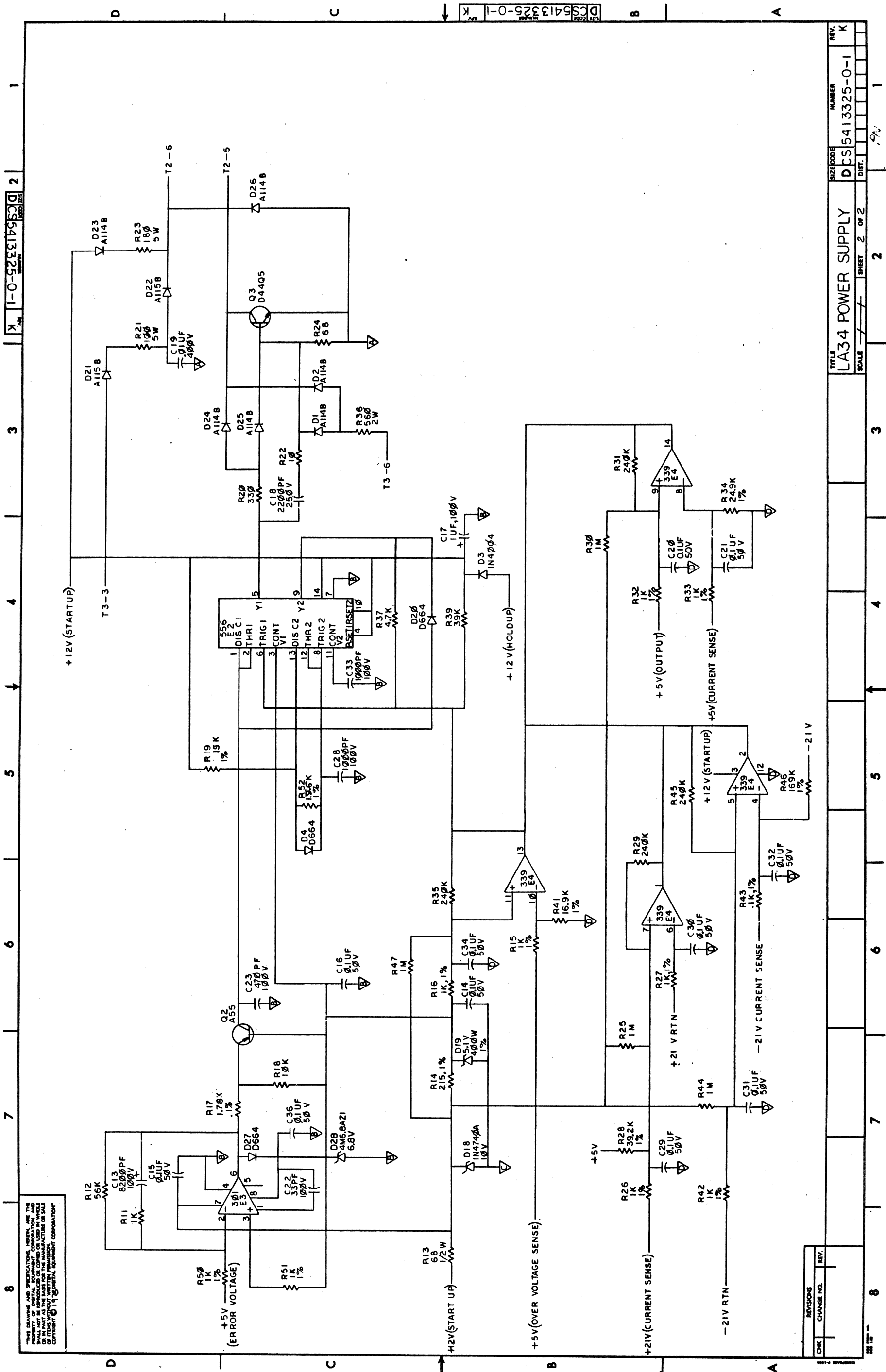


NOTES:

- 1. UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE 1/4 W, 5%.

DRN. 1003	5/11/78	FIRST USED ON	LA 34	digital
CHK'D 1003	5/11/78	TITLE	LA 34	
ENG'D 1003	5/11/78		POWER SUPPLY	
PROD. ENG. 1003	5/11/78			
PROOF 1003	5/11/78			
NEXT HIGHER ASSY.				
D-1A-5413325-0-0		SIZE	CODE	REV.
SCALE 1		OF 2	D CS	5413325-0-1 K
SHEET				

REV. NO.	1	DATE	5/11/78	BY	J. BITTO
REV. NO.	2	DATE	5/11/78	BY	J. BITTO
REV. NO.	3	DATE	5/11/78	BY	J. BITTO
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REV. NO.	98	DATE	5/11/78	BY	J. BITTO
REV. NO.	99	DATE	5/11/78	BY	J. BITTO
REV. NO.	100	DATE	5/11/78	BY	J. BITTO



LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION

00

REFERENCE DESIGNATOR

30	30	1115182-00	1N 5626 PIV=600 I= 3A	4	D5-D8
31	31	1115272-00	UES1303 PIV=150 I=6A	2	D16,D17
32	32	1115369-00	UM 18 PIV=100 I=1A	1	E1
33	33	1213426-04	HEAT SINK TO-3 CLEAR ANODIZED	1	
34	34	1214789-00	INSERT,THREADED 6-32 ,BRASS,ELEC	2	
35	35	1215307-00	HEADER 9POS RIGHT ANGLE	1	J2
36	36	1215307-01	HEADER 5POS RIGHT ANGLE	1	J1
37	37	1216064-00	SW,LOCK 2P RIGHT ANGLE TER	1	SW1
38	38	1300219-00	68.0 .25 W 5.0 Z CC	1	R24
39	39	1300295-00	330.0 .25 W 5.0 Z CC	1	R20
40	40	1300365-00	1.0 K .25 W 5.0 Z CC	1	R11
41	41	1300447-00	4.70 K .25 W 5.0 Z CC	1	R37
42	42	1300479-00	10.0 K .25 W 5.0 Z CC	1	R18
43	43	1301317-00	10.0 .25 W 5.0 Z CC	1	R22
44	44	1314675-00	1.0 K 3.0 W 5.0 Z WW	1	R7
45	45	1301546-00	22.0 2.0 W 5.0 Z CC	2	R38,R40
46	46	1301927-00	560.0 2.0 W 5.0 Z CC	1	R36
47	47	1302395-00	56.0 K .25 W 5.0 Z CC	1	R12
48	48	1302514-00	39.0 K .25 W 5.0 Z CC	1	R39
49	49	1303114-00	1.0 K .25 W 1.0 Z RN55D-F10	10	R15,R16,R26,R27,R32,R33,R42,R43,
					CONT R50,R51
50	50	1302612-00	1.78 K .25 W 1.0 Z RN55D-F10	1	R17
51	51	1305123-00	215.0 .25 W 1.0 Z RN55D-F10	1	R14
52	52	1305265-00	39.20 K .25 W 1.0 Z RN55D-F10	1	R28
53	53	1305405-00	24.90 K .25 W 1.0 Z RN55D-F10	1	R34
54	54	1309094-00	100.0 5.0 W 5.0 Z WW	1	R21
55	55	1309405-00	68.0 .50 W 5.0 Z CC	1	R13
56	56	1313752-00	15.0 K .25 W 1.0 Z RN55D-F10	1	R19
57	57	1309595-00	1.0 M .25 W 5.0 Z CC	4	R25,R30,R44,R47
58	58	1310876-03	.05 5.0 W 3.0 Z WW	3	R8-R10
59	59	1312618-00	16.90 K .25 W 1.0 Z RN55D-F10	1	R41
60	60	1312655-00	180.0 5.0 W 5.0 Z WW	3	R23,R48,R49
61	61	1312925-00	169.0 K .25 W 1.0 Z RN55D-F10	1	R46
62	62	1313191-00	1.0 K 9.0 W 5.0 Z WW	1	R5
63	63	1314253-00	240.0 K .25 W 5.0 Z CC	4	R29,R31,R35,R45
64	64	1314270-00	5.0 15.0 Z NTC THERM	2	R1,R2
65	65	1314350-00	1.0 2.0 W10.0 Z FUSE	1	R6
66	66	1315586-00	68.0 K 1.0 W 5.0 Z CC	2	R3,R4
67	67	1510706-00	XA 55 PNP 500MW SI 60 50 P	1	Q2
68	68	1512782-00	D 44Q5 NPN 100W SI325 15	1	Q1
69	69	1514271-01	1514271-01 NPN 31W SI225 30	1	Q3
70	70	1614778-00	XFMR P-AB S=6.08 100MA	1	T1
71	71	1612920-02	PULSE XFMR 30KHZ VT61	1	T2
72	72	1615559-01	XFMR P=240/360DC 54-13325	1	T3
73	73	1910282-00	301AN OP AMP	1	E3
74	74	1912048-01	*** THIS ITEM IS NOT USED ***		
75	75	1912108-00	339 VOLT CMPRTR,QUAD	1	E4
76	76	1914392-00	556 TIMER-DUAL	1	E2

D I G I T A L I T I T L E

H7834 POWER SUPPLY MODULE

SECTION A OF A

SIZE CODE DOCUMENT NUMBER

REV

K PL 5413325-0-DBP

J

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION
00

REFERENCE DESIGNATOR

77	77	1914517-01	*** THIS ITEM IS NOT USED ***	-	
78	78	7015917-00	HEAT SINK ASSY	1	Z1
79	79	7015917-01	HEAT SINK ASSY	1	Z2
80	80	9006023-01	SCREW,PAN,PHIL 6-32X 7/16 SS	2	
81	81	9009798-00	SPACER, CERAMIC, .186 ODX.078 ID	14	
82	82	9009798-01	*** THIS ITEM IS NOT USED ***	-	
83	83	9009798-02	SPACER, CERAMIC, .186 ODX.078 ID	2	
84	84	9009882-00	WASHER, LOCK, INT TOOTH #5	2	
85	85	9009676-00	TERM LUG 1POS SOLDER	1	
86	86	1309419-00	17.60 K .25 W 1.0 % RN55D-F10	1	R52
87	87	1000020-00	*** THIS ITEM IS NOT USED ***	-	
88	88	1310147-00	.15 2.0 W10.0 %	1	R53
89	89	1109991-01	4M6.8A21 VZ= 6.8 1% .40W	1	D28
90	90	1512790-00	D 44C12 NPN 30W SI	1	Q4
91	91	1012607-04	270 MFD 40V+100-10% AL EL	1	C8
92	92	1000024-00	470.0 MMF 100V 5%200PFM MICA	1	C23

D I G I T A L TITLE

H7834 POWER SUPPLY MODULE

SECTION A OF A

SIZE CODE DOCUMENT NUMBER REV

K PL 5413325-0-DBP

J

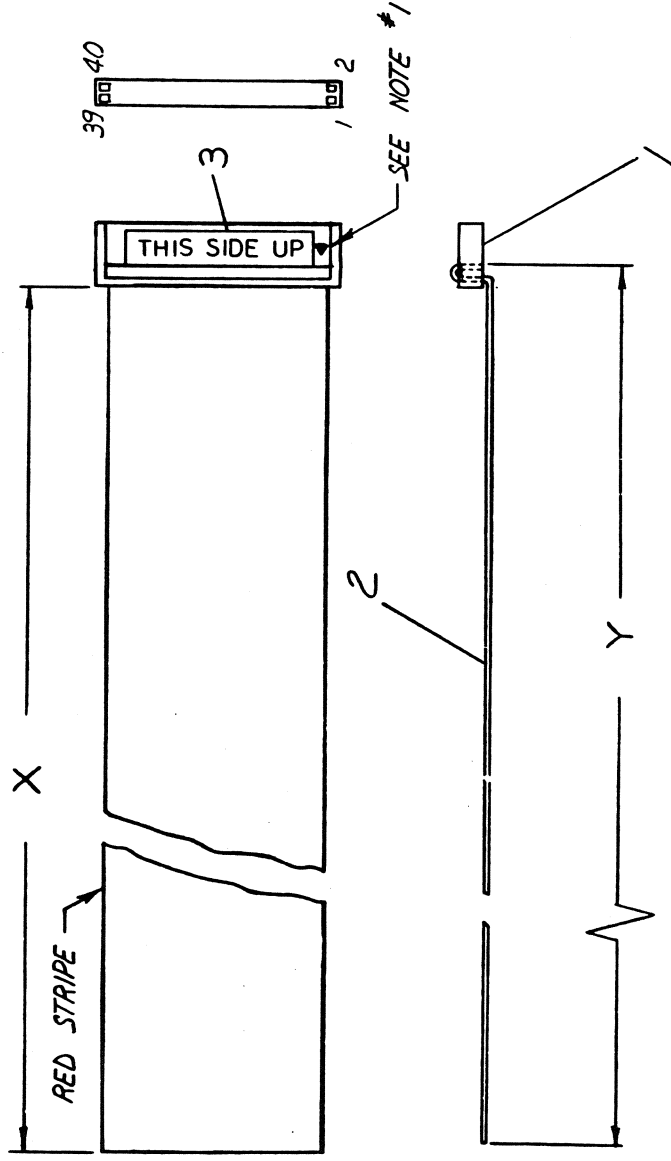
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LEGEND

NUMBER	QTY X VARIATION	DMY (PRECUT) REF
7015741-00	8.5 IN ±.5 IN	9.0 IN

NOTES:

1. ARROW OR INDEX MARK ON ITEM #1 INDICATES CONTACT POSITION #1



REVISIONS	
CHK	LA34-PN030 A
REV.	CHANGE NO.
F. A. DIGLIO 12 SEP 79	
J. BITTO 9 MAY 80	
J. BITTO 15 MAY 80 (EXN)	

THIRD ANGLE PROJECTION
REMOVE BURRS AND BREAK SHARP CORNERS
DO NOT SCALE DWG
MATERIAL SEE PARTS LIST
FINISH

DRN	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 34	LA 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CABLE
KEYBOARD ASSY

SIZE	CODE	NUMBER	REV.
C	IA	7015741-C-0	B

DESCRIPTION	DWG. PART NO.	ITEM NO.
1 LABEL, CABLE I.D.	3616989-00	4
1 LABEL	3611567-00	3
1/4 CABLE, 40 COND FLAT	9107738-01	2
1 CONN, 40 POSITION	121205-00	1

ANGLES	CLASS OF	ACCURACY	CHECK OVER	NOMINAL DIMENSION RANGE INCHES	OVER	OVER	OVER
30° 30'	0	0.2	0.2	0.2	0.2	0.2	0.2
SURFACE	0	0.2	0.2	0.2	0.2	0.2	0.2
QUALITY	0	0.2	0.2	0.2	0.2	0.2	0.2
IN	0	0.2	0.2	0.2	0.2	0.2	0.2
MEDIUM	0	0.2	0.2	0.2	0.2	0.2	0.2
PREFERRED	0	0.2	0.2	0.2	0.2	0.2	0.2
QUANTITY & VARIATION	0	0.2	0.2	0.2	0.2	0.2	0.2

PN

THIS DRAWING AND SPECIFICATIONS, WHEN USED IN CONNECTION WITH THE EQUIPMENT, SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF EQUIPMENT WITHOUT THE WRITTEN PERMISSION OF THE DIGITAL EQUIPMENT CORPORATION.

LEGEND			
NUMBER	DIM X VARIATION	DIM Y PRECUT REF	USED ON
7015386-0J	7.0 IN ±.5 IN	8.5 IN	LA120 AS SHOWN
7015386-3F	3 FT ±.1 IN	3 FT 1.5 IN	LA34 SEE NOTE #3

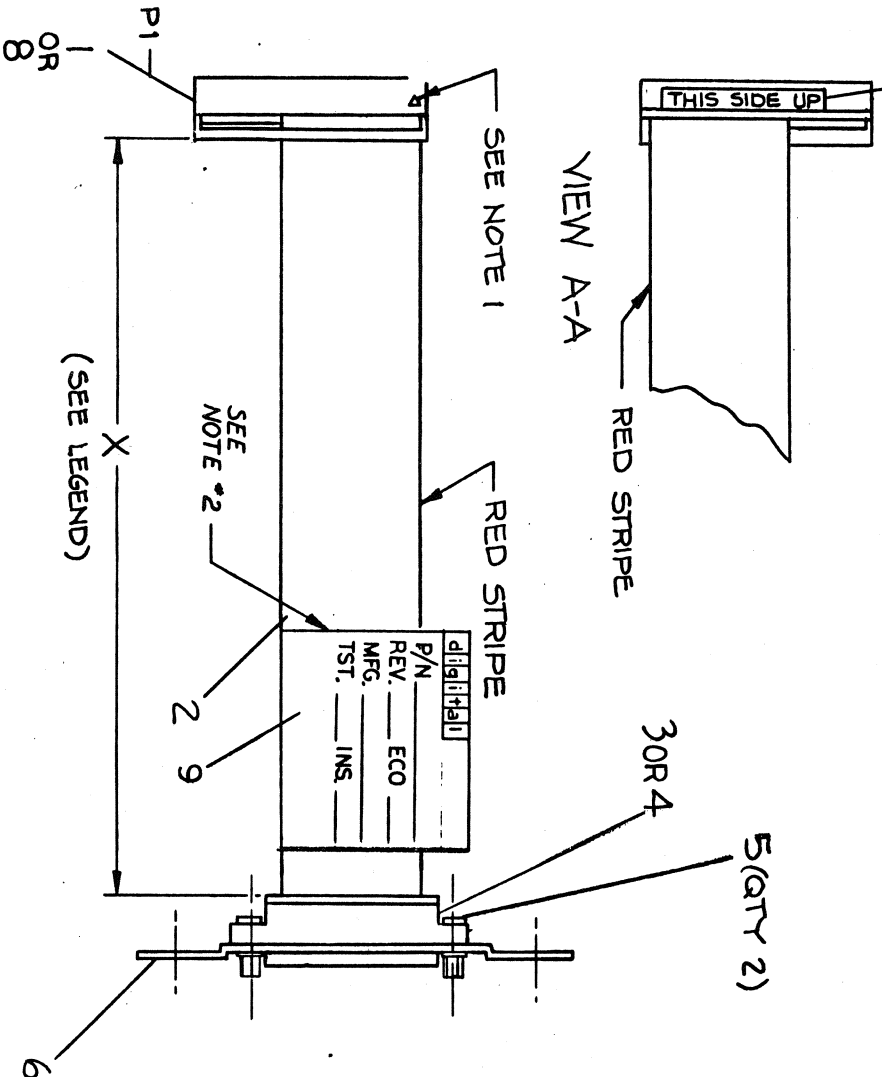
NOTES:

1. ARROW OR INDEX MARK ON ITEM #1 INDICATES CONTACT POSITION #1.
2. EITHER OF TWO METHODS OF CABLE IDENTIFICATION ARE ACCEPTABLE:
1D. LABEL PM 3816073-00 (FOLDED IN HALF AROUND CABLE) OR RUBBER STAMP. LABEL OR STAMP SHALL CONTAIN THE FOLLOWING: DEC PART NO., REV. AND DATE CODE.
3. FOR THE -3F VARIATION WHEN USED ON THE LA34 FAMILY PRINTERS REMOVE PINS 13, 14, 16, 18, 21 AND 25 FROM P2 BEFORE CABLE IS ASSEMBLED.

SIGNAL NAME CONVERSION TABLE

PIN DESIGNATION	SIGNAL NAME	PIN DESIGNATION	SIGNAL NAME	PIN DESIGNATION	SIGNAL NAME
1	PROTECTIVE GND	101	PROTECTIVE GND	201	DATA SET READY
2	TXD. EIA. L	102	SIG. GND COMMON RETURN	202	DATA TERMINAL READY
3	RXD. EIA. L	103	TRANSMIT DATA	203	RECEIVED LINE SIB DETECTOR
4	RTS. EIA. H	104	RECEIVE DATA	204	RING INDICATOR
5	CTS. EIA. H	105	REQUEST TO SEND		
6	DSR. EIA. H	106	CLEAR TO SEND		
7	SIG. GND SAFETY	107	DATA SET READY		
8	DIR. EIA. H	108	DATA TERMINAL READY		
9	CD. EIA. H	109	RECEIVED LINE SIB DETECTOR		
10	RT. EIA. H	110	RING INDICATOR		

4. CONVERSION TABLE ABOVE IS FOR LA34 ONLY.



(SEE LEGEND)

SEE K-PL-7015386-0-DBP

REVISIONS		
CHK	CHANGE NO.	REV.
LA34 - PN001	A	
P. NELSON		
LA120 - PN027	B	
P. NELSON		
LA34 - PN041	C	
R. O'CONNELL		
LA34 - PN038	D	
J. BITTO		
LA34 - PN058	E	
J. BITTO		
LA120 - PN128	F	
J. BITTO		
7015386 - PN001	H	
J. BITTO		

THIRD ANGLE PROJECTION	QUANTITY & VARIATION
REMOVE BURS AND BREAK SHARP CORNERS	
DO NOT SCALE DIMS	
MATERIAL SEE PARTS LIST	
FINISH	

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 	CHECK ONE	OVER 0	OVER 0.2	OVER 0.5	OVER 1.0
		0	0.2	0.5	1.0
		1.0	1.2	1.5	2.0
		1.2	1.5	2.0	2.5
		2.0	2.5	3.0	4.0
		2.5	3.0	4.0	5.0
		3.0	4.0	5.0	6.0
		4.0	5.0	6.0	8.0
		5.0	6.0	8.0	10.0
		6.0	8.0	10.0	12.0
MICRONCHES	MEDIUM	2.004	2.005	2.016	2.024
	PREFERRED	2.012	2.018	2.025	2.04
☐		☐			
2.012		2.018			
2.018		2.025			
2.04		2.048			
2.056		2.064			
2.072		2.084			
2.096		2.112			
2.136		2.16			
2.192		2.208			
2.256		2.28			
2.32		2.352			
2.384		2.416			
2.48		2.512			
2.576		2.616			
2.688		2.736			
2.8		2.832			
2.896		2.928			
2.992		3.024			
3.088		3.136			
3.192		3.264			
3.296		3.376			
3.408		3.488			
3.52		3.592			
3.632		3.704			
3.744		3.816			
3.856		3.928			
3.968		4.04			
4.072		4.152			
4.176		4.264			
4.28		4.376			
4.384		4.488			
4.496		4.6			
4.608		4.712			
4.72		4.824			
4.832		4.936			
4.944		5.048			
5.056		5.16			
5.168		5.272			
5.28		5.384			
5.392		5.496			
5.504		5.608			
5.616		5.72			
5.728		5.832			
5.84		5.944			
5.952		6.056			
6.064		6.168			
6.176		6.28			
6.288		6.392			
6.4		6.504			
6.512		6.616			
6.624		6.728			
6.736		6.84			
6.848		6.952			
6.96		7.064			
7.072		7.176			
7.184		7.288			
7.296		7.4			
7.408		7.512			
7.52		7.624			
7.632		7.736			
7.744		7.848			
7.856		7.96			
7.968		8.072			
8.08		8.184			
8.192		8.296			
8.304		8.408			
8.416		8.52			
8.528		8.632			
8.64		8.744			
8.752		8.856			
8.864		8.968			
8.976		9.08			
9.088		9.192			
9.2		9.304			
9.312		9.416			
9.424		9.528			
9.536		9.64			
9.648		9.752			
9.76		9.864			
9.872		9.976			
9.984		10.088			
10.096		10.2			
10.208		10.312			
10.32		10.424			
10.432		10.536			
10.544		10.648			
10.656		10.76			
10.768		10.872			
10.88		10.984			
10.992		11.096			
11.104		11.208			
11.216		11.32			
11.328		11.432			
11.44		11.544			
11.552		11.656			
11.664		11.768			
11.776		11.88			
11.888		11.992			
12.0		12.104			
12.112		12.216			
12.224		12.328			
12.336		12.44			
12.448		12.552			
12.56		12.664			
12.672		12.776			
12.784		12.888			
12.896		13.0			
13.008		13.112			
13.12		13.224			
13.232		13.336			
13.344		13.448			
13.456		13.56			
13.568		13.672			
13.68		13.784			
13.792		13.896			
13.904		14.008			
14.016		14.12			
14.128		14.232			
14.24		14.344			
14.352		14.456			
14.464		14.568			
14.576		14.68			
14.688		14.792			
14.8		14.904			
14.912		15.016			
15.024		15.128			
15.136		15.24			
15.248		15.352			
15.36		15.464			
15.472		15.576			
15.584		15.688			
15.696		15.8			
15.808		15.912			
15.92		16.024			
16.032		16.136			
16.144		16.248			
16.256		16.36			
16.368		16.472			
16.48		16.584			
16.592		16.696			
16.704		16.808			
16.816		16.92			
16.928		17.032			
17.04		17.144			
17.152		17.256			
17.264		17.368			
17.376		17.48			
17.488		17.592			
17.6		17.704			
17.712		17.816			
17.824		17.928			
17.936		18.04			
18.048		18.152			
18.16		18.264			
18.272		18.376			
18.384		18.488			
18.496		18.6			
18.608		18.712			
18.72		18.824			
18.832		18.936			
18.944		19.048			
19.056		19.16			
19.168		19.272			
19.28		19.384			
19.392		19.496			
19.504		19.608			
19.616		19.72			
19.728		19.832			
19.84		19.944			
19.952		20.056			
20.064		20.168			
20.176		20.28			
20.288		20.392			
20.4		20.504			
20.512		20.616			
20.624		20.728			
20.736		20.84			
20.848		20.952			
20.96		21.064			
21.072		21.176			
21.184		21.288			
21.296		21.4			
21.408		21.512			
21.52		21.624			
21.632		21.736			
21.744		21.848			
21.856		21.96			
21.968		22.072			
22.08		22.184			
22.192		22.296			
22.304		22.408			
22.416		22.52			
22.528		22.632			
22.64		22.744			
22.752		22.856			
22.864		22.968			
22.976		23.08			
23.088		23.192			
23.2		23.304			
23.312		23.416			
23.424		23.528			
23.536		23.64			
23.648		23.752			
23.76		23.864			
23.872		23.976			
23.984		24.088			
24.096		24.2			
24.208		24.312			
24.32		24.424			
24.432		24.536			
24.544		24.648			
24.656		24.76			
24.768		24.872			
24.88		24.984			
24.992		25.096			
25.104		25.208			
25.216		25.32			
25.328		25.432			
25.44		25.544			
25.552		25.656			
25.664		25.768			
25.776		25.88			
25.888		25.992			
26.0		26.104			
26.112		26.216			
26.224		26.328			
26.336		26.44			
26.448		26.552			
26.56		26.664			
26.672		26.776			
26.784		26.888			
26.896		26.9			
26.908		27.012			
27.02		27.124			
27.132		27.236			
27.244		27.348			
27.356		27.46			
27.468		27.572			
27.58		27.684			
27.692		27.796			
27.804		27.908			
27.916		28.02			
28.028		28.132			
28.14		28.244			
28.252		28.356			
28.364		28.468			
28.476		28.58			
28.588		28.692			
28.7		28.804			
28.812		28.916			
28.924		29.028			
29.036		29.14			
29.148		29.252			
29.26		29.364			
29.372		29.476			
29.484		29.588			
29.596		29.7			
29.708		29.812			
29.82		29.924			
29.932		30.036			
30.044		30.148			
30.156		30.26			
30.268		30.372			
30.38		30.484			
30.492		30.596			
30.604		30.708			
30.716		30.82			
30.828		30.932			
30.94		31.044			
31.052		31.156			
31.164		31.268			
31.276		31.38			
31.388		31.492			
31.5		31.604			
31.612		31.716			
31.724		31.828			
31.836		31.94			
31.948		32.052			
32.06		32.164			
32.172		32.276			
32.284		32.388			
32.396		32.5			
32.508		32.612			
32.62		32.724			
32.732		32.836			
32.844		32.948			
32.956		33.06			
33.068		33.172			
33.18		33.284			
33.292		33.396			
33.404		33.508			
33.516		33.62			
33.628		33.732			
33.74		33.844			
33.852		33.956			
33.964		34.068			
34.076		34.18			
34.188		34.292			
34.3		34.404			
34.412		34.516			
34.524		34.628			
34.636		34.74			
34.748		34.852			
34.86		34.964			
34.972		35.076			
35.084		35.188			
35.196		35.3			
35.308		35.412			
35.42		35.524			
35.532		35.636			
35.644		35.748			
35.756		35.86			
35.868		35.972			
35.98		36.084			
36.092		36.196			
36.204		36.308			
36.316		36.42			
36.428		36.532			
36.54		36.644			
36.652		36.756			
36.764		36.868			
36.876		36.98			
36.988		37.092			
37.1		37.204			
37.212		37.316			
37.324		37.428			
37.436		37.54			
37.548		37.652			
37.66		37.764			
37.772		37.876			
37.884		37.988			
37.996		38.1			
38.108		38.212			
38.22		38.324			
38.332		38.436			
38.444		38.548			
38.556		38.66			
38.668		38.772			
38.78		38.884			
38.892		38.996			
39.004		39.108			
39.116		39.22			
39.228		39.332			
39.34		39.444			
39.452		39.556			
39.564		39.668			
39.676		39.78			
39.788		39.892			
39.9		40.004			
40.012		40.116			
40.124		40.228			
40.236		40.34			
40.348		40.452			
40.46		40.564			
40.572		40.676			
40.684		40.788			
40.796		40.9			
40.908		41.012			
41.02		41.124			
41.132		41.236			
41.244		41.348			
41.356		41.46			
41.468		41.572			
41.58		41.684			
41.692		41.796			
41.804		41.908			
41.916		42.02			
42.028		42.132			
42.14		42.244			
42.252		42.356			
42.364		42.468			
42.476		42.58			
42.588		42.692			
42.7		42.804			
42.812		42.916			
42.924		43.028			
43.036		43.14			
43.148		4			

ITEM		DESCRIPTION		FROM		TO		WIRE TABLE	
NO.	AWG	COLOR	CONNECTION	CONNECTION	TO	LENGTH	SIGNAL		
4	18	BLK	P1-1	P2-9		16.88	GND		
4	18	BLK	P1-2	P2-8		16.88	GND		
3	18	RED	P1-3	P2-7		16.88	+5V		
8	-	-	P1-4	-		-	KEY		
5	18	BLUE	P1-5	P2-5		16.88	-21V		
4	18	BLK	P1-6	P2-4		16.88	GND		
2	18	ORN	P1-7	P2-3		16.88	+21V		
6	18	WHT	P1-8	P2-2		16.88	+12V		
7	18	VIO	P1-9	P2-1		16.88	-12V		
8	-	-	P2-6	-		-	KEY		

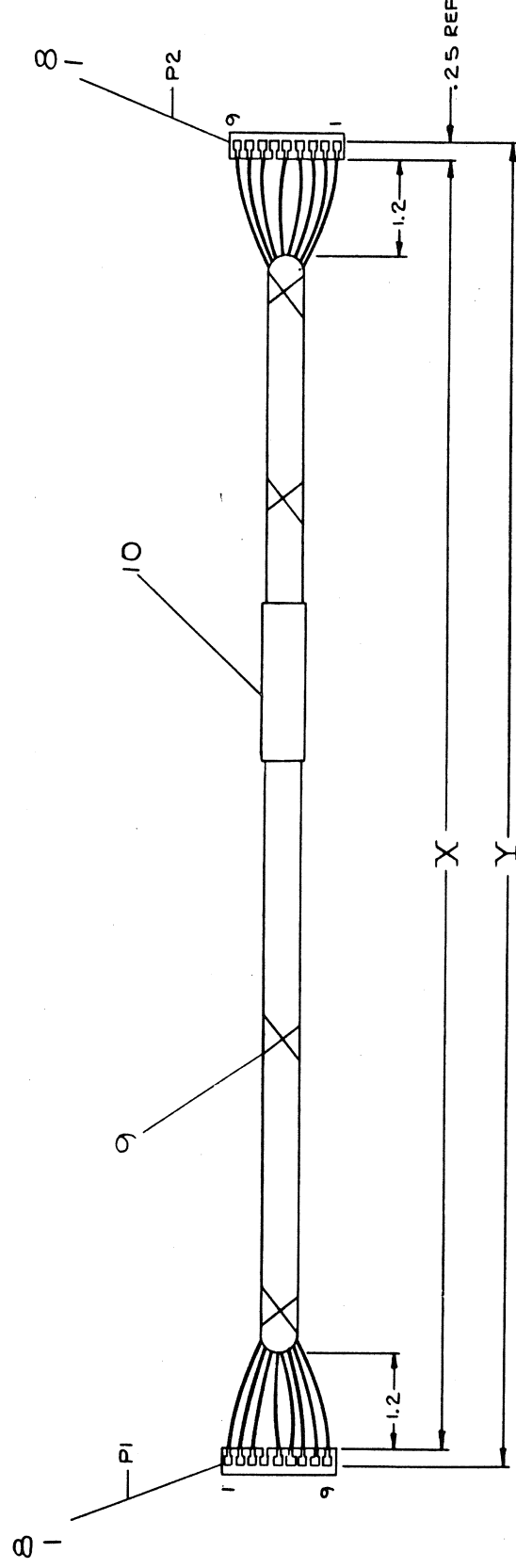
LEGEND		
NUMBER	DIM "X" VARIATION	DIM "Y" (PRE CUT) REF
7015739-1E	16.38 IN. ± 1.0 IN	16.88 IN

DATE	7015739-0-0	BOOK	2
NO.	LA		

9

NOTES:

1. USE CABLE TIES (X) ITEM 9 APPROXIMATELY EVERY FOUR (4) INCHES.
2. NO STRIPPING OR TINNING REQUIRED.
3. KEY PLUG ITEM #8 TO BE INSERTED INTO P2-6 AND P1-4.



SEE K-PL-7015739-0-DBP, PARTS LIST

1	LABEL, ADHESIVE	3618073-00	0
ARI	TIE, CABLE	9010190-00	9
2	KEY PLUG	1215588-00	8
ARI	WIRE, 18 AWG VIOLET STRD	9107360-77	7
ARI	WIRE, 18 AWG WHITE STRD	9107360-99	6
ARI	WIRE, 18 AWG BLUE STRD	9107360-66	5
ARI	WIRE, 18 AWG BLACK STRD	9107360-00	4
ARI	WIRE, 18 AWG RED STRD	9107360-22	3
ARI	WIRE, 18 AWG ORANGE STRD	9107360-33	2
2	HOUSING, PLUGS (9 PIN)	1215306-00	1

[illegible]

TITLE		CABLE ASSY.	
QWR 821-630	7%	ENGL 1-889	15172
PROL ENG 11-2-79		PROD. 11-2-79	15172
NEXT HIGHER ASSY.		LOGIC / POWER	
EAD: 7015729-0-0	SCALE NONE	SIZE CODE	NUMBER
SHEET 1	OF 1	DIST.	REV.
		DIA	7015739-0-0 B

REVIEWS
CHECK NUMBER NO.
CHK NO.
DATE
TIME
BY
REMARKS

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8

7

6

5

4

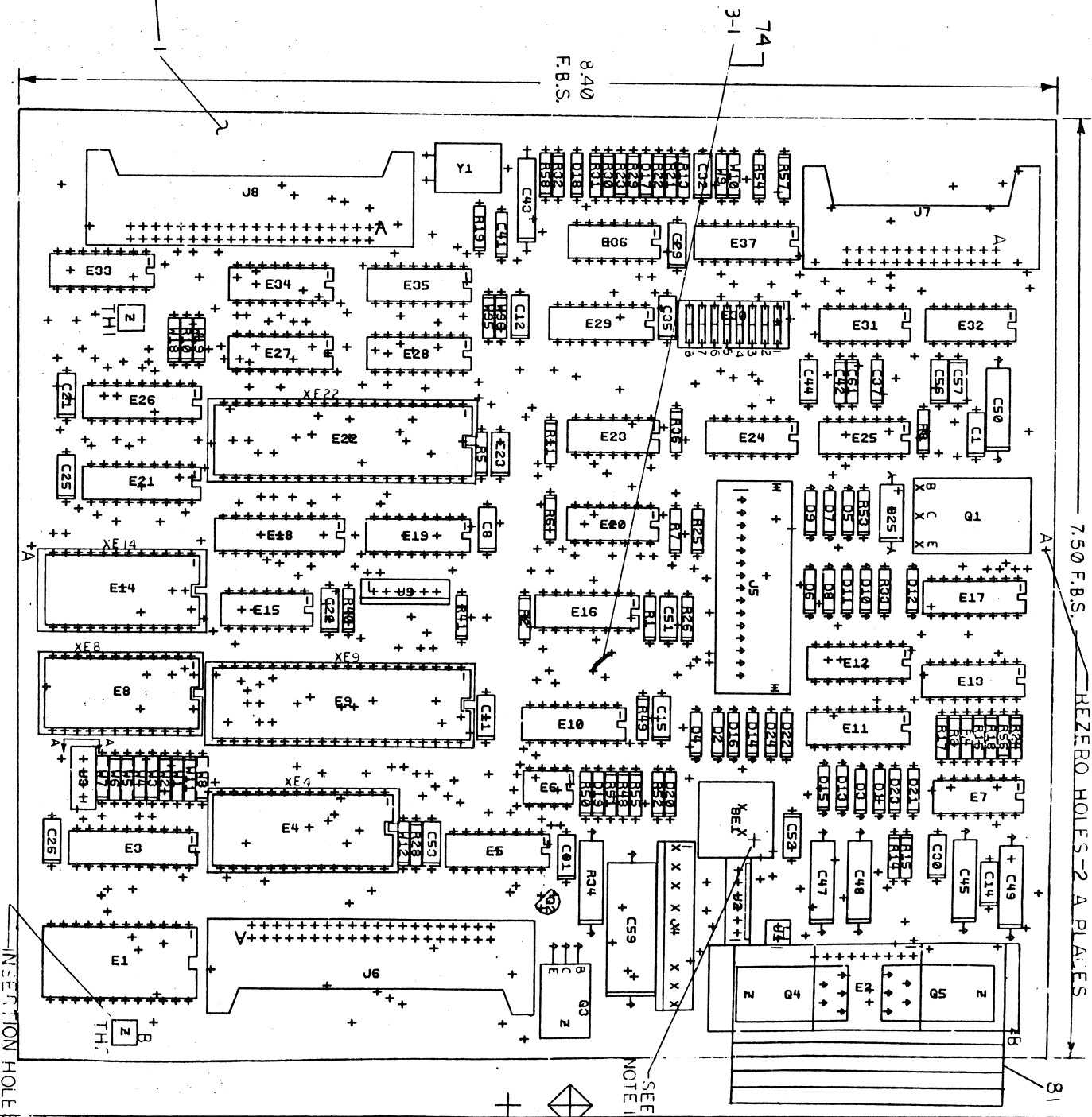
3

2

1

COMPONENT SIDE VIEW

7.50 F.B.S. HEZERO HOLES-2 A PLACES



VIEW A-A

INSERTION HOLES
2 5 PLACES

NOTES: 1. LONG LEAD OF BELLS ON
PLUS (+) SIDE
2. DO NOT INSTALL C6, E8, XE8, Q4,
C5, W2, 4, 5, 7, 8, & W10.
STEP 6. → X AXIS NONE STEP 7. TIMES
REPEAT → X AXIS 2825 STEP 8. TIMES

CHK	CHANGE NO	REV
JR	5413747-PN001	E
JR	5413747-PN002	F
JR	5413747-PN003	H
JR	5413747-PN004	J
JR	5413747-PN005	K
JR	5413747-PN006	L
JR	5413747-PN007	M

ETCH REV. E

SIGNATURES	DATE
CHK. G. J. [Signature]	10-17-71
MECH. ENG. [Signature]	10-17-71
PROD. ENG. [Signature]	10-17-71
SCALE 2:1	
SHIT 1 OF 2	
NEXT HIGHER REV. B-00-9413747-2	
SIZE CODE	NUMBER
0 JA 5413747-0-0	REV
PR 1 MS# 160886	

8

7

6

5

4

3

2

DJA 5413747-0-0

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8 7 6 5 4 3 2 1

W 0-0-74741HS 100122

REWORK INSTRUCTIONS

ECO # 3

- WIRE ADD SIDE ONE
1. AFTER BOARD HAS BEEN BUILT AND TESTED, TWO ETCHES MUST BE CUT AND A JUMPER WIRE (910574055) ADDED TO THE BOARD.
ON SIDE ONE CUT, THE ETCH AT E10 PINS 2 AND 3. ADD A JUMPER WIRE BETWEEN THE TWO FEED THROUGH HOLES IN THE ETCH RUNS FROM E10 PINS 2 AND 3.

REVISIONS	
CHK	CHANGE NO.
	REV.

TITLE		SIZE CODE		NUMBER		REV.	
LA34 CONTROL BOARD		DUA		5413747-0-0		M	
SCALE 2/1		SHEET 2 OF 2		DST.			

8 7 6 5 4 3 2 1

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION
00 99 01 02

REFERENCE DESIGNATOR

1	D-MD-5013746-0-0	5013746-00	DRILL&ETCH BOARD	1	1	1	1	
2		1001610-00	.01 MFD 50V +80-20% Z5U CER	1	1	1	1	C32
3		1005636-00	22 MFD 6V 10% S.TANT	1	1	1	1	C43
4		1012084-01	8 MFD 25V +75-10% AL EL	5	5	5	5	C45,C47-C49,C50
5		1012219-00	47 MFD 30V +75-10% AL EL	1	1	1	1	C59
6		1012784-00	.047 MFD 50V +80-20% CER	21	21	21	21	C1,C8,C11,C12,C14,C15,C21-C23, C25,C26,C29,C30,C31,C35,C44, C51-C53,C56,C57
7		1013466-12	2200.0 MMF 50V 10% X7R CER	1	1	1	1	C42
8		1013466-18	330.0 MMF 50V 5% CER	1	1	1	1	C37
9		1013466-31	15.0 MMF 50V 5% CER	1	1	1	1	C41
10		1101938-00	IN 4370A VZ= 2.4 5% .40W	1	1	1	1	D18
11		1105275-00	D 672 TR= 15NS PIV= 60V SI	7	7	7	7	D17,D19-D24
12		1105796-00	IN 4004 PIV=400 I= 1A D041 SP	16	16	16	16	D1-D16
13		1110854-00	IN 5353B VZ= 16.0V 5% .40W H	1	1	1	1	D25
14		1209941-02	HEADER 100 40POS RT ANGLE	2	2	2	2	J6,J8
15		1209941-09	HEADER 26POS RT ANGLE RCPT	1	1	1	1	J7
16		1211164-04	SW,DIP 1P 1A 8POS	1	1	1	1	E30
17		1215921-00	CONN, 4PIN WAFER,RIGHT ANG	1	1	1	1	J3
18		1215006-06	SKT,IC 24PIN DIP TIN PLATE	1	1	1	1	XE14
19		1215006-08	SKT,IC 40PIN DIP TIN PLATE	2	2	2	2	XE22,XE9
20		1215323-00	CONN, 6POS POLARIZING & LO	2	2	2	2	J9,J2
21		1215323-02	CONN, 2POS POLARIZING & LO	1	1	1	1	J1
22		1215324-00	CONN, 15POS GOLD PLATED	1	1	1	1	J5
23		1215635-01	TRANSDUCER,MINATURE AUDIO FOR LA	1	1	1	1	BE1
24		1215699-00	HEADER 9POS STRAIGHT	1	1	1	1	J4
25		1300005-07	R NETWORK 15-4.7K 5.0 % 16PIN	1	1	1	1	E29
26		1300247-00	120.0 .25 W 5.0 % CC	1	1	1	1	R31
27		1300295-00	330.0 .25 W 5.0 % CC	8	8	8	8	R5,R14,R15,R28,R49,R54-R56
28		1300365-00	1.0 K .25 W 5.0 % CC	7	7	7	7	R13,R19,R29,R36,R40,R41,R53

REVISION HISTORY

BASIC PART NO: 5413747

ENGR ECD NUMBER

REV SECTION A OF B

DRN:

DAVID DROZD

DATE: 21-MAR-80

TITLE

D I G I T A L

PARTS LIST

54-13747 BOARD

DOCUMENT NUMBER

REV

FILE NAME:

13747N.PLS

EDIT #

10

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QTY PER VARIATION
00 99 01 02 REFERENCE DESIGNATOR

DESCRIPTION

PART NUMBER

LINE ITEM DOCUMENT NUMBER

29	29	1300417-00	2.20 K	.25 W 5.0 %	CC	1	1	1	1	1	1	R33
30	30	1300439-00	3.30 K	.25 W 5.0 %	CC	1	1	1	1	1	1	R50
31	31	1300479-00	10.0 K	.25 W 5.0 %	CC	7	7	7	7	7	7	R6-R8,R10,R11,R21,R22
32	32	1300488-00	12.0 K	.25 W 5.0 %	CC	1	1	1	1	1	1	R32
33	33	1301423-00	6.80 K	.25 W 5.0 %	CC	11	11	11	11	11	11	R1-R4,R16-R18,R24-R26,R30
34	34	1301890-00	560.0	.25 W 5.0 %	CC	1	1	1	1	1	1	R48
35	35	1302388-00	2.0 K	.25 W 5.0 %	CC	1	1	1	1	1	1	R51
36	36	1302466-00	100.0 K	.25 W 5.0 %	CC	2	2	2	2	2	2	R23,R58
37	37	1302602-00	56.0	.25 W 5.0 %	CC	1	1	1	1	1	1	R52
38	38	1312452-00	3.74 K	.25 W 1.0 % RN55D-F10	CC	1	1	1	1	1	1	R57
39	39	1315676-00	300.0	3.0 W 5.0 %	WM 9	1	1	1	1	1	1	R34
40	40	1510706-00	XA 55	PNP 500MW SI 60 50 P		1	1	1	1	1	1	Q2
41	41	1514509-00	TIP 125	PNP 65W SI 60 500 8A		1	1	1	1	1	1	Q3
42	42	1515370-00	TIP146	PNP DARLINGTON-CONNECTED		1	1	1	1	1	1	Q1
43	43	1812396-03	XTAL	4.000 MHZ		1	1	1	1	1	1	Y1
44	44	1910322-00	DEC	1488L DRIVER,LINE,QUAD,EI		1	1	1	1	1	1	E32
45	45	1910406-00	75451	DRIVER,PERIPH,DUAL,		1	1	1	1	1	1	E6
46	46	1910741-00	7406	INVERTER GATE-HEX 11		1	1	1	1	1	1	E7
47	47	1912108-00	339	VOLT CMPTTR,QUAD		1	1	1	1	1	1	E36
48	48	1912697-00	LS174	FF-D HEX W/CLEAR		1	1	1	1	1	1	E34
49	49	1912799-00	LS00	NAND-GATE-QUAD 2IN,P		1	1	1	1	1	1	E15
50	50	1912805-00	LS08	AND GATE-QUAD 2IN,PO		1	1	1	1	1	1	E25
51	51	1912807-00	LS10	NAND GATE-TRIPLE 3IN		1	1	1	1	1	1	E23
52	52	1912816-00	LS32	OR GATE-QUAD 2IN,POS		1	1	1	1	1	1	E20
53	53	1912824-00	LS74	FF-D DUAL,EDGE TRIGG		1	1	1	1	1	1	E24
54	54	1912842-00	LS138	DECODER-THREE INPUT,		1	1	1	1	1	1	E35
55	55	1912843-00	LS139	DECODER, 2 OF 4(DUAL)		1	1	1	1	1	1	E19
56	56	1912846-00	LS155	DECODER, 2 OF 4(DUAL)		1	1	1	1	1	1	E33
57	57	1912863-00	LS273	FF-D OCTAL W/CLEAR		1	1	1	1	1	1	E18
58	58	1913130-00	DEC	1489A RECEIVER,LINE,QUAD,		1	1	1	1	1	1	E31
59	59	1913471-00	LS367	DRIVER,BUS,HEX,TRI-		3	3	3	3	3	3	E10,E28,E27
60	60	1913777-00	LS240	DRIVER,LINE,OCTAL,T		1	1	1	1	1	1	E3
61	61	1913950-00	LS156	DECODER,2 OF 4(DUAL)		1	1	1	1	1	1	E5
62	62	1914072-00	74159	DECODER-4 TO 16 OPN		1	1	1	1	1	1	E1
63	63	1914560-00	LS368	DRIVER,BUS,HEX,TRI-		3	3	3	3	3	3	E13,E16,E37
64	64	1915261-00	DEC	2841B DRIVER,1.5A QUAD		3	3	3	3	3	3	E11,E12,E17
65	65	1915636-00	***	THIS ITEM IS NOT USED ***		-	-	-	-	-	-	
66	66	2113107-01	P	8251A PUSART COMM. INTERFA		1	1	1	1	1	1	E4
67	67	2113954-00	DC	305 INTERFACE CHIP		1	1	1	1	1	1	E9
68	68	2114212-00	P	2114-2 RAM,1024X4,STATIC		2	2	2	2	2	2	E21,E26
69	69	2114963-00	UP,8-BIT NMOS		1	1	1	1	1	1	1	E22
70	70	23021E4-00	E4-01,E4-02,E4-03		1	-	-	-	-	-	-	E14
71	71	9009185-00	JUMPER, WIRE, INSULATED, BLACK B		10	10	10	10	10	10	10	W1,W3,W6,W9,W11,W12,W18,W19,UNL
72	72	1215006-07	SKT,IC	28PIN DIP YIN PLATE		1	1	1	1	1	1	W96
73	73	23030E4-00	E4-01,E4-03		-	-	-	-	-	-	-	XE4
74	74	9105740-55	WIRE(WRAP)30AWG	UL1423	A/R A/R A/R A/R	-	-	-	-	-	-	E14
75	75	23034E4-00	E4-01,E4-02,E4-03		-	-	-	-	-	-	-	E14

AUTOMATED BY PRILST,3L(40)

P A R T S L I S T

SHEET A3 OF A3

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION
00 99 01 02 REFERENCE DESIGNATOR

76	76	SEE NOTE 4	23033E4-00	*** THIS ITEM IS NOT USED ***	-	-	-	-
77	77		1916002-00	DRIVER,MOTOR CONTRO	2	2	2	2
78	78		9006023-01	SCREW,PAN,PHIL 6-32X 7/16 SS	2	2	2	2
79	79		9008185-00	NUT,KEP 6-32X 1/4 AF	2	2	2	2
80	80		9008268-00	COMPOUND, THERMAL JOINT	A/R	A/R	A/R	A/R
81	81		7424745-00	HEAT SINK H DRIVERS	1	1	1	1

82 NOTE: 1. PT#23021E4-00 CAN HAVE A 01 OR AN 03 VARIATION.
83 NOTE: 2. PT#23030E4-00 CAN HAVE A 00 THRU 03 VARIATION.
84 NOTE: 3. PT#23034E4-00 CAN HAVE A 00 THRU 03 VARIATION.
85 NOTE: 4. PT#23033E4-00 CAN HAVE A 00 THRU 03 VARIATION.
86 NOTE: 5 IF 2114212-00 IS NOT AVAILABLE 2114212-01 CAN BE USED.

D	I	G	I	T	A	L	TITLE	54-13747 BOARD	SECTION A OF B	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413747-0-DBP	N

AUTOMATED BY PRLST,3L(40)

P A R T S L I S T

SHEET B2 OF B3

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION
03

REFERENCE DESIGNATOR

29	29	1300417-00	2.20 K	.25 W 5.0 %	CC	1	R33
30	30	1300439-00	3.30 K	.25 W 5.0 %	CC	1	R50
31	31	1300479-00	10.0 K	.25 W 5.0 %	CC	7	R6-R8,R10,R11,R21,R22
32	32	1300488-00	12.0 K	.25 W 5.0 %	CC	1	R32
33	33	1301423-00	6.80 K	.25 W 5.0 %	CC	11	R1-R4,R16-R18,R24-R26,R30
34	34	1301890-00	560.0	.25 W 5.0 %	CC	1	R48
35	35	1302388-00	2.0 K	.25 W 5.0 %	CC	1	R51
36	36	1302466-00	100.0 K	.25 W 5.0 %	CC	2	R23,R58
37	37	1302602-00	56.0	.25 W 5.0 %	CC	1	R52
38	38	1312452-00	3.74 K	.25 W 1.0 % RNSSD-F10	CC	1	R57
39	39	1315676-00	300.0	3.0 W 5.0 %	W 9	1	R34
40	40	1510706-00	XA 55	PNP 500MW SI 60 50 P	Q2	1	Q2
41	41	1514509-00	TIP 125	PNP 65W SI 60 500 84	Q3	1	Q3
42	42	1515370-00	TIP146	PNP DARLINGTON-CONNECTED	Q1	1	Q1
43	43	1813396-03	XTAL 4.000	MHZ	Y1	1	Y1
44	44	1910322-00	DEC 1488L	DRIVER,LINE,QUAD,EI	E32	1	E32
45	45	1910406-00	75451	DRIVER,FERIPH,DUAL,	E6	1	E6
46	46	1910741-00	7406	INVERTER GATE-HEX 11	E7	1	E7
47	47	1912108-00	339	VOLT CMPTTR,QUAD	E36	1	E36
48	48	1912697-00	LS174	FF-D HEX W/CLEAR	E34	1	E34
49	49	1912799-00	LS00	NAND-GATE-QUAD 2IN,F	E15	1	E15
50	50	1912805-00	LS08	AND GATE-QUAD 2IN,PO	E25	1	E25
51	51	1912807-00	LS10	NAND GATE-TRIPLE 3IN	E23	1	E23
52	52	1912816-00	LS32	OR GATE-QUAD 2IN,FOS	E20	1	E20
53	53	1912824-00	LS74	FF-D DUAL,EDGE TRIGG	E24	1	E24
54	54	1912842-00	LS138	DECODER-THREE INPUT,	E35	1	E35
55	55	1912843-00	LS139	DECODER, 2 OF 4(DUAL)	E19	1	E19
56	56	1912846-00	LS155	DECODER, 2 OF 4(DUAL)	E33	1	E33
57	57	1912863-00	LS273	FF-D OCTAL W/CLEAR	E18	1	E18
58	58	1913130-00	DEC 1489A	RECEIVER,LINE,QUAD,	E31	1	E31
59	59	1913471-00	LS367	DRIVER,BUS,HEX,TRI-	E10,E28,E27	3	E10,E28,E27
60	60	1913777-00	LS240	DRIVER,LINE,OCTAL,T	E3	1	E3
61	61	1913950-00	LS156	DECODER,2 OF 4(DUAL)	E5	1	E5
62	62	1914072-00	74159	DECODER-4 TO 16 OPN	E1	1	E1
63	63	1914560-00	LS368	DRIVER,BUS,HEX,TRI-	E13,E16,E37	3	E13,E16,E37
64	64	1915261-00	DEC 2841B	DRIVER,1.5A QUAD	E11,E12,E17	3	E11,E12,E17
65	65	1915636-00	***	THIS ITEM IS NOT USED ***			
66	66	2113107-01	F 8251A	PUSART COMM. INTERFA	E4	1	E4
67	67	2113954-00	DC 305	INTERFACE CHIP	E9	1	E9
68	68	2114212-00	P 2114-2	RAM,1024X4,STATIC	E21,E26	2	E21,E26
69	69	2114963-00	UP,8-BIT NMOS		E22	1	E22
70	70	23021E4-00	***	THIS ITEM IS NOT USED ***			
71	71	9009185-00	JUMPER, WIRE, INSULATED, BLACK B		W1,W3,W6,W9,W11,W12,W18,W19,W95,	10	W1,W3,W6,W9,W11,W12,W18,W19,W95,
72	72	1215006-07	SKT,IC	28PIN DIP TIN PLATE	XE4	1	XE4
73	73	23030E4-00	***	THIS ITEM IS NOT USED ***			
74	74	9105740-55	WIRE(WRAP)30AWG	UL1423	A/R	-	
75	75	23034E4-00	***	THIS ITEM IS NOT USED ***			

D I G I T A L TITLE 54-13747 BOARD

SECTION B OF B

SIZE CODE DOCUMENT NUMBER REV
K PL 5413747-0-DBP N

LINE ITEM DOCUMENT NUMBER PART NUMBER DESCRIPTION QTY PER VARIATION REFERENCE DESIGNATOR

76	76	SEE NOTE 4	23033E4-00	E4-01,E4-02,E4-03	1	E14
77	77		1916002-00	DRIVER,MOTOR CONTRO	2	04,05
78	78		9006023-01	SCREW,PAN,PHIL 6-32X 7/16 SS	2	
79	79		9008185-00	NUT,KEP 6-32X 1/4 AF	2	
80	80		9008268-00	COMPOUND, THERMAL JOINT	A/R	
81	81		7424745-00	HEAT SINK H DRIVERS	1	

82 NOTE: 1. PT#23021E4-00 CAN HAVE A 01 OR AN 03 VARIATION.
83 NOTE: 2. PT#23030E4-00 CAN HAVE A 00 THRU 03 VARIATION.
84 NOTE: 3. PT#23034E4-00 CAN HAVE A 00 THRU 03 VARIATION.
85 NOTE: 4. PT#23033E4-00 CAN HAVE A 00 THRU 03 VARIATION.
86 NOTE: 5. IF 2114212-00 IS NOT AVAILABLE 2114212-01 CAN BE USED.

D I G I T A L		TITLE		54-13747 BOARD		SECTION B OF B		SIZE CODE		DOCUMENT NUMBER		REV	
								K PL		5413747-0-DBP		N	