

DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS																									
				*	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			MODULE REVISION	*	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-DD-5413374-0	1		LA34 LOGIC BD.	*	A	B	C	D	E	F	H	J	K	L	M	P	R	S	T	U	U								
D-UA-5413374-0-0	3		LA34 LOGIC BD.	C	D	E	F	H	J	J	K	L	M	P	R	S	S	T	U	U	U								
D-CS-5413374-0-1	5		LA34 LOGIC BD.	C	D	E	F	F	H	J	K	L	M	P	R	S	T	U	V	W	Y								
D-MD-5013373-0-0	4		DRILL & ETCH DRAWING	C	D	D	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	F							
		5013373	ETCHED BOARD	D	D	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E								
K-PL-5413374-0-DBP	-		PARTS LIST DATA BASE(5413374)	C	D	E	F	H	J	K	L	M	N	P	R	S	T	U	V	V	W								
K-PC-5413374-0-DBC	-		P.C. DESIGN DATA BASE(5413374)	A	A	A	B	B	B	B	B	B	B	B	B	B	B	E	E	E	E								
D-CS-5013373-0-0	1		ETCH CUT DRAWING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	A							

NOTES:

REVISIONS		CHG NO.	REV.	*	A	B	C	D	E	F	H	J	K	L	M	N	P	R	S	T	U
DATE	6/79	ORIG.																			
	1/79	PN001																			
	6/79	PN002																			
	6-79	PN003																			
	6-79	PN004																			
	7-79	PN005																			
	11-79	PN006																			
	1-80	PN007																			
	2-80	PN008																			
	2-80	PN009																			
	3-80	PN010																			
	3-80	PN011																			
	4-80	PN012																			
	8-80	PN013																			
	10-80	PN014																			
	1-81	PN015																			
	4-81	PN016																			
	10-81	PN017																			

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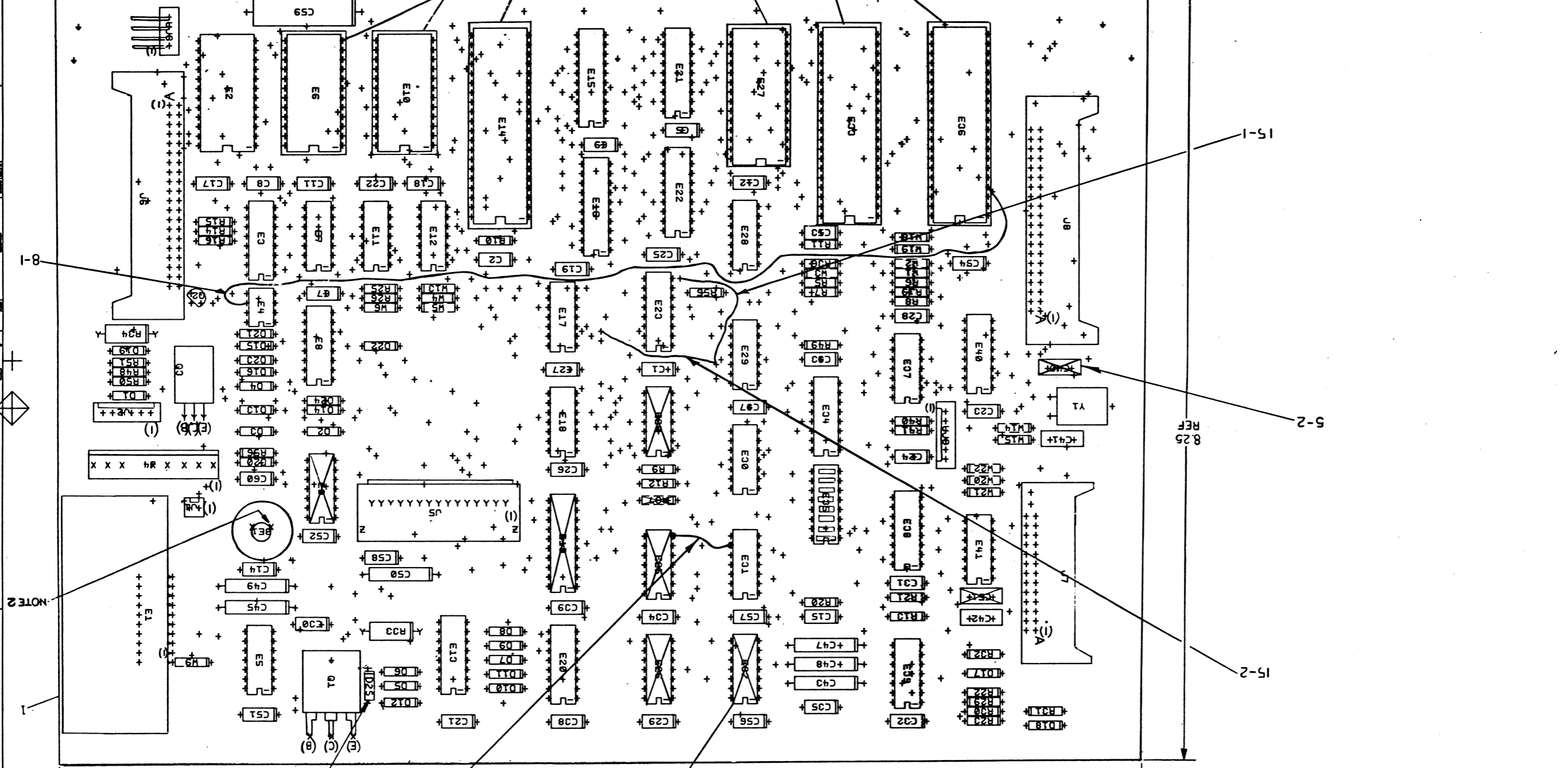
USED ON OPTION/MODEL	LA34	DRN.	P. BOSSMAN	6/28/78	TITLE	LA34 LOGIC BOARD
		CHK'D	<i>P. Bossman</i>	29 JUN 78	SIZE	B DD
		ENG.	<i>A. H. Doonan</i>	8/10/78	CODE	DD
		PROD.	<i>P. Erickson</i>	8/10/78	NUMBER	5413374-0
					REV.	U
					SHEET	1 OF 1

CHK	CHANGE NO	REV
21	5413374-PN2	F
20	000501N	
19	000501N	
18	000501N	
17	000501N	
16	000501N	
15	000501N	
14	000501N	
13	000501N	
12	000501N	
11	000501N	
10	000501N	
9	000501N	
8	000501N	
7	000501N	
6	000501N	
5	000501N	
4	000501N	
3	000501N	
2	000501N	
1	000501N	

NOTES:
 1) G1, R3, C40, E26, E24, E25, E32, E9, A, E19 ARE NOT INSTALLED
 2) INSTALL BEL (BELL) WITH SHORT LEAD IN HOLE CLOSEST TO E9
 3) W19, W20, W22 ARE OPTIONAL JUMPER

SIGNATURES	DATE
DRM, D POWERS	2-15-79
CHK, D. POWERS	2-15-79
ENC. <i>[Signature]</i>	2-15-79
PROJ. ENG. <i>[Signature]</i>	2-15-79
SCALE 2:1	
SHT. 1 OF 4	
SIZE CODE	
REV	
NUMBER	
5413374-0-0	

ETCH REV. E-P1
 P.C. DESIGN DATA BRZE REV. EL



1	2	3	4	5	6	7	8
U	C0-473E145	VA	D				
COMPONENT SIDE VIEW							
SEE NOTE 1 TYP IN PLACES							
11.40 REF							
8.25 REF							
NOTE 2							
D U/A 5413374 00							
1 MS#							

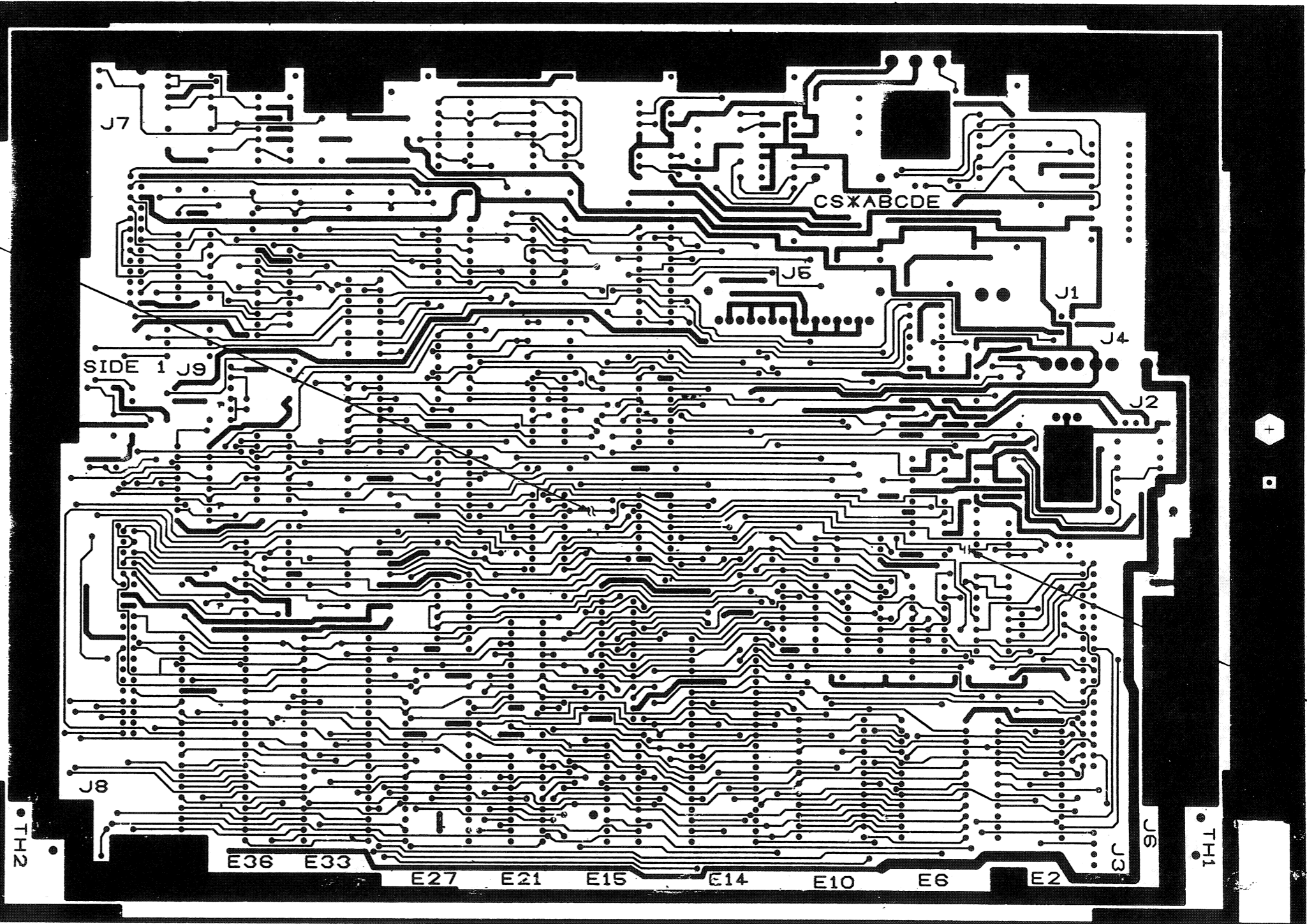
1979
 THE BOARD AND CONNECTION, MODEL, AND THE
 PARTS OF THE BOARD ARE THE PROPERTY OF
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5013373E-P1
5413374

2 DUA 5413374-0-0

L1



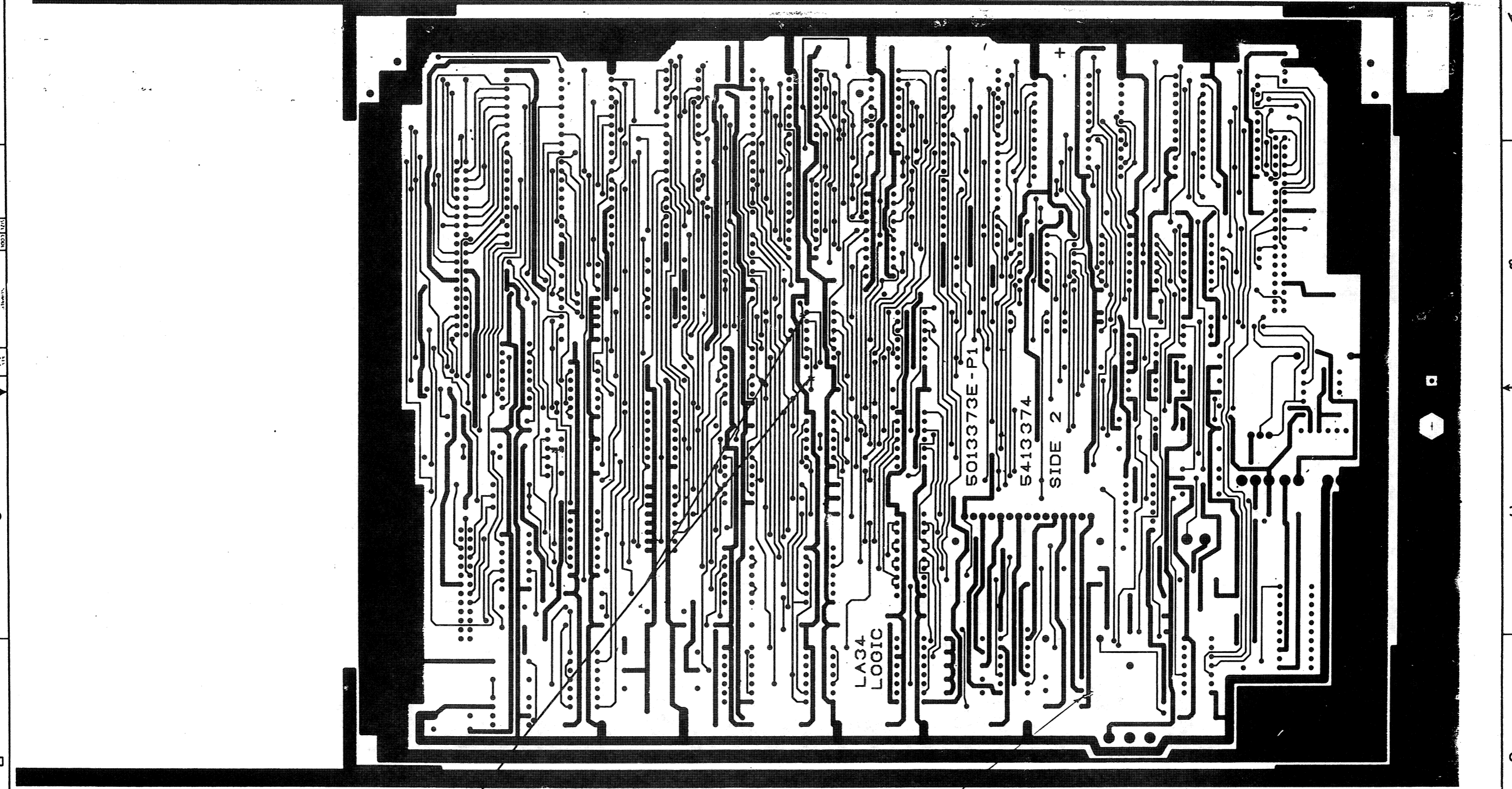
REVISIONS		
CHK	CHANGE NO	REV

TITLE	LA34 LOGIC BOARD	SIZE CODE	D UA	NUMBER	5413374-0-0	REV.	U
SCALE	2:1	SHEET	2	OF	4	DIST.	

8 7 6 5 4 3 2 1

REVISIONS	
CHK	CHANGE NO. / REV.

TITLE	LA34 LOGIC BOARD
SIZE CODE	DUA
NUMBER	5413374-0-0
REV.	U
SCALE 2:1	
SHEET 3 OF 4	
DIST.	



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L2

12-2

15-4

REV.	U
NUMBER	0-0-7374-15
SIZE CODE	DUA
	2

DUA 5413374-0-0

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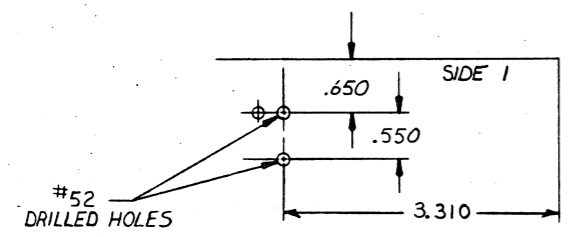
REWORK INSTRUCTIONS

ECO # 5
 WIRE ADD SIDE 1
 5-1 FROM DTH CONNECTED TO E31-9 TO E25-7

COMPONENT DELETE SIDE 1
 5-2 C 40

ECO # 8
 8-1 ADDITION OF ECO WIRE FROM E36-4 TO E4-6 -01 VARIATION ONLY.
 8-2 ETCH CUT FROM E4-6 FOR -01 VARIATION ONLY

ECO # 12
 12-1 DRILL TWO NUMBER 52 HOLES .550 INCHES APART IN THE HEAVY ETCH RUNNING FROM D12 ANODE TO THE 21 VOLT GROUND (DIAGRAM BELOW).



12-2 CUT THE ETCH BETWEEN D12 ANODE AND C 50.

ECO # 15
 WIRE ADD SIDE 1
 15-1 ADD JUMPER WIRE FROM PTH BESIDE E29-12 TO PTH BESIDE E23-8.
 15-2 ADD JUMPER WIRE FROM PTH BESIDE E29-12 TO PTH BESIDE E23-15.
 ETCH CUT SIDE 1
 15-3 CUT THE ETCH FROM E23-3 SO THAT THE ETCH CUT IS BETWEEN THE FIRST TWO FEED THRU HOLES IN THE ETCH RUN FROM PIN 3.
 ETCH CUT SIDE 2
 15-4 CUT ETCH AT E23-2 AND E23-3.

REVISIONS		
CHK	CHANGE NO.	REV.

QTY PER VARIATION 00 01 REFERENCE DESIGNATOR

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
1		5013373-00	LA34 LOGIC BOARD	1	
2		1000055-00	2200.0 MMF 250V 20% YSS DISC	1	
3		1000079-00	47 MFD 20V 20% S.TANT	1	
4		1001610-00	.01 MFD 50V +80-20% Z5U CER	39	
5		1005306-00	6.8MFD 35V 10% S.TANT	5	
6		1005820-00	22.0 MMF 100V 5%200PPM MICA	1	
7		1005636-00	22 MFD 6V 10% S.TANT	1	
8		1105275-00	D 672 TR= 15NS PIV= 60V SI	5	
9		1101938-00	IN 4370A VZ= 2.4 5% .40W	1	
10		1105796-00	IN 4004 PIV=400 I= 1A D041 SP	18	D1-D17,D19
11		1215006-08	SKT,IC 40PIN DIP TIN PLATE	2	
12		1215006-06	SKT,IC 24PIN DIP TIN PLATE	2	
13		1211164-04	SW,DIP 1P 1A 8POS	1	
14		1215323-02	CONN, 2POS POLARIZING & LO	1	
15		1215323-00	CONN, 6POS POLARIZING & LO	2	J2,J9
16		1215324-00	CONN 15POS GOLD PLATED	1	J5
17		1215699-00	HEADER 9POS STRAIGHT	1	J4
18		1215635-01	TRANSDUCER,MINIATURE AUDIO FOR LA	1	BE1
19		1215921-00	CONN, 4PIN WAFER,RIGHT ANG	1	J3
20		1209941-02	HEADER 100 40POS RT ANGLE	2	J6,J8
21		1209941-09	HEADER 26POS RT ANGLE RCPT	1	J7
22		1300247-00	120.0 .25 W 5.0 %	1	R31
23		1300295-00	330.0 .25 W 5.0 %	4	R14,R15,R5,R16
24		1300365-00	1.0 K .25 W 5.0 %	7	R36,R49,R19,R29,R40,R41,R55
25		1300415-00	2.20 K .50 W 5.0 %	1	R33
26		1300479-00	10.0 K .25 W 5.0 %	10	R10,R7,R6,R11,R12,R8,R22,R21,
27		1300488-00	12.0 K .25 W 5.0 %	1	R32

REVISION HISTORY	BASIC PART NO: 5413374	DRN:	J. LIZOTTE	DATE: 14-JUN-78	ID I G I T A L
ENGI	ECO NUMBER	REV	SECTION A OF A	TITLE	PARTS LIST

JOB	PN006	IK	SECTION, VARIATION INDEX	CHK'D:	R. WONG	DATE: 05-JUL-78	LA34 LOGIC BOARD
JOB <td>5413374-PN007</td> <td>IL</td> <td>[CA] 00,01</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN007	IL	[CA] 00,01				
JOB <td>5413374-PN008</td> <td>M</td> <td>[CB]</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN008	M	[CB]				
JOB <td>5413374-PN009</td> <td>N</td> <td>[CC]</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN009	N	[CC]				
JOB <td>5413374-PN010</td> <td>IP</td> <td>[CD]</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN010	IP	[CD]				
JOB <td>5413374-PN011</td> <td>IR</td> <td>[CE]</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN011	IR	[CE]				
JOB <td>5413374-PN012</td> <td>IS</td> <td>[CF]</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN012	IS	[CF]				
JOB <td>5413374-PN013</td> <td>IT</td> <td>[CJ]</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN013	IT	[CJ]				
JOB <td>5413374-PN014</td> <td>IU</td> <td>[CK]</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN014	IU	[CK]				
JOB <td>5413374-PN015</td> <td>IY</td> <td>[CL]</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN015	IY	[CL]				
JOB <td>5413374-PN017</td> <td>IM</td> <td>[CM]</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN017	IM	[CM]				
JOB <td>5413374-PN017</td> <td>IN</td> <td>[CN]</td> <td></td> <td></td> <td></td> <td></td>	5413374-PN017	IN	[CN]				

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00	01	
28	28		1302388-00	2.0 K .25 W 5.0 % CC	1	1	R51
29	29		1302466-00	100.0 K .25 W 5.0 % CC	2	2	R23,R20
30	30		1301890-00	560.0 .25 W 5.0 % CC	1	1	R48
31	31		1301423-00	6.80 K .25 W 5.0 % CC	3	3	R25,R26,R30
32	32		1300005-07	R NETWORK 15-4.7K 5.0 % 16PIN	1	1	E34
33	33		1300439-00	3.30 K .25 W 5.0 % CC	1	1	R50
34	34		1315676-00	300.0 3.0 W 5.0 % WW 9	1	1	R34
35	37		1515370-00	TIP146 PNP DARLINGTON-CONNECTED	1	1	Q1
36	38		1514509-00	TIP 125 PNP .65W SI 60 500 8A	1	1	Q3
37	39		1510706-00	XA 55 PNP 500MW SI 60 50 P	1	1	Q2
38	40		1812396-03	XTAL 4.000 MHZ	1	1	Y1
39	41		1915636-00	DRIVER,SWITCHING MOT	1	1	E1
40	42		1913130-00	DEC 1489A RECEIVER,LINE,QUAD,	1	1	E41
41	43		1912863-00	LS273 FF-D OCTAL W/CLEAR	1	1	E15
42	44		1912846-00	LS155 DECODER,2 OF 4(DUAL)	1	1	E40
43	45		1910322-00	DEC 1488L DRIVER,LINE,QUAD,EI	1	1	E31
44	46		1910741-00	7406 INVERTER GATE-HEX 1I	1	1	E5
45	47		1912108-00	339 VOLT CMPRTR,QUAD	1	1	E39
46	48		1912801-00	LS02 NOR-GATE-QUAD 2IN	1	1	E7
47	49		1912803-00	74LS04 INVERTER GATE,HEX	3	3	E30,E18,E17
48	50		1912805-00	LS08 AND GATE-QUAD 2IN,PO	1	1	E29
49	51		1913777-00	LS240 DRIVER,LINE,OCTAL,T	1	1	E16
50	52		1914072-00	74159 DECODER-4 TO 16 OPN	1	1	E2
51	53	USED FOR E27	1215006-07	SKT,IC 28PIN DIP TIN PLATE	1	1	
52	54		1915261-00	DEC 2841B DRIVER,1.5A QUAD	3	3	E13,E20,E8
53	55		1914560-00	LS368 DRIVER,BUS,HEX,TRI-	1	1	E38
54	56		1913471-00	LS367 DRIVER,BUS,HEX,TRI-	1	1	E23
55	57		1912807-00	LS10 NAND GATE-TRIPLE 3IN	1	1	E37
56	58		1912816-00	LS32 OR GATE-QUAD 2IN,POS	2	2	E11,E28
57	59		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	1	1	E12
58	60		1910406-00	75451 DRIVER,PERIPH,DUAL,	1	1	E4
59	61		1913950-00	LS156 DECODER,2 OF 4(DUAL)	1	1	E3
60	62		2113107-01	P 8251A PUSART COMM. INTERFA	1	1	E27
61	63		2113954-00	DC 305 INTERFACE CHIP	1	1	E14
62	64		2114212-00	P 2114-2 RAM,1024X4,STATIC	2	2	E21,E22
63	65		2114963-00	UP,8-BIT NMOS	1	1	E36
64	66		23001B9-00	B9-01	1	-	E33
65	67		23059E2-00	E2-01	1	-	E6
66	68		23131E2-00	E2-01	1	-	E10
67	69		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	9	-	W21,W15,W19,W18,W13,W9,W6,W4,W1
			CONT		-	9	W21,W25,W19,W18,W13,W9,W6,W4,W2
68	70		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	A/F	
69	71		1302602-00	56.0 .25 W 5.0 % CC	1	1	R56
70	72		23011B9-00	B9-02	-	1	E33
71	73		23232E2-00	E2-04	-	1	E6
72	74		1110854-00	1N 5353B VZ= 16.0V 5% .40W M	1	1	D25

DI	GI	IT	AL	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
				LA34 LOGIC BOARD		K	PL	5413374-0-DBP	W

SIZE	CODE	DOCUMENT NUMBER	REV	SECTION A OF A	TITLE	LA34 LOGIC BOARD
K	PL	5413374-0-DBP	M			

73 NOTE: IF 2114212-00 IS NOT AVAILABLE 2114212-01 CAN BE USED.

AUTOMATED BY PRLST,2D(16) PARTS LIST
 LINE ITEM DOCUMENT NUMBER PART NUMBER DESCRIPTION QTY PER VARIATION REFERENCE DESIGNATOR
 SHEET A3 OF A3 00 01