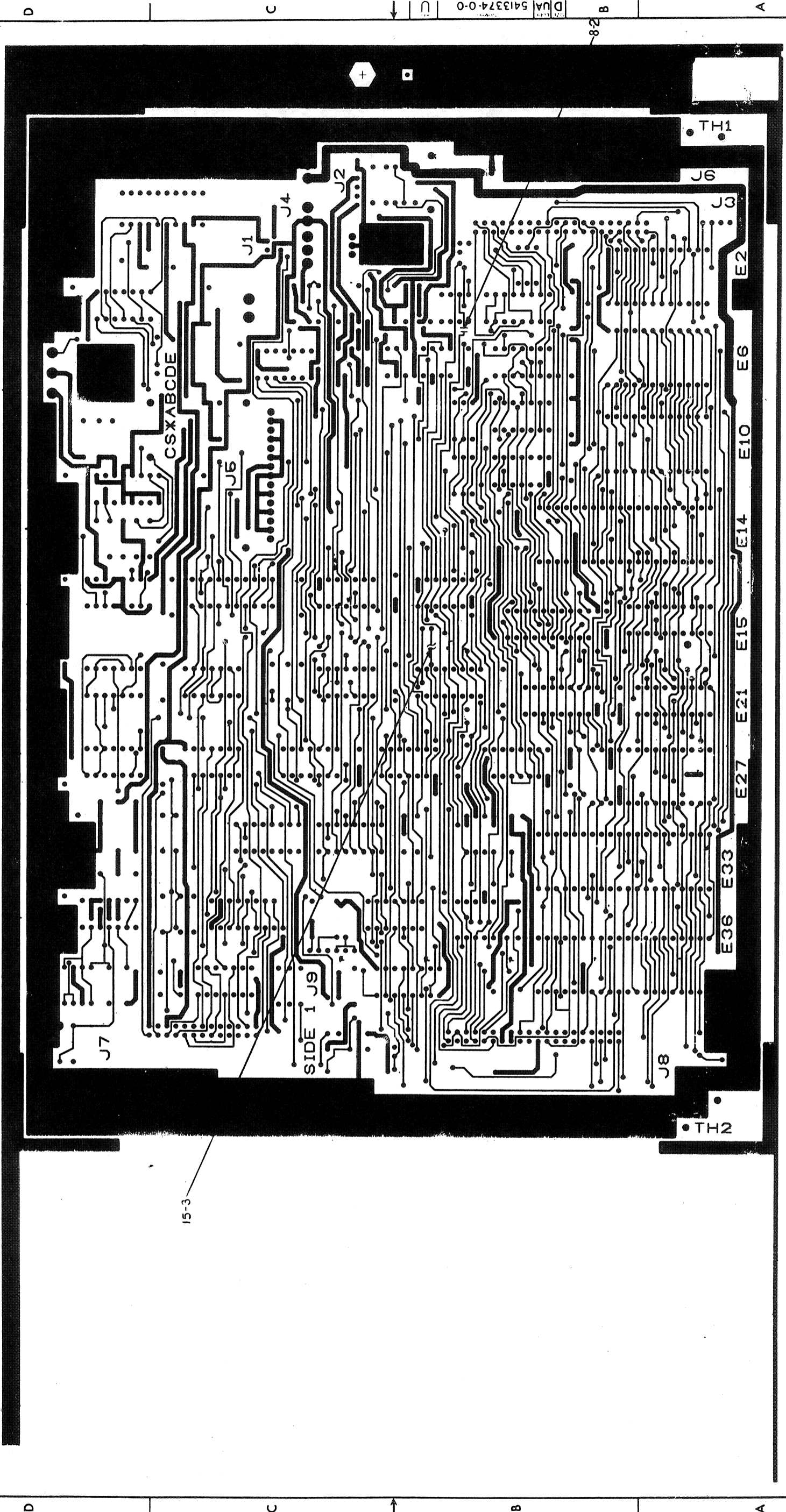


1 2 3 4 5 6 7 8

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5013373E-P1
5413374



DUA 5413374-0-0

| REVISIONS | |
|-----------|-----|
| CHK | REV |
| | |

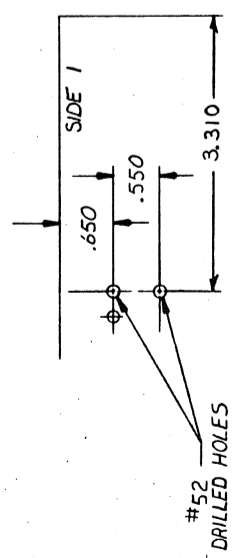
| | | | | | | | |
|-----------|------------------|--------|-------------|-------|---|----|---|
| TITLE | LA34 LOGIC BOARD | SCALE | 2:1 | SHEET | 2 | OF | 4 |
| SIZE CODE | DUA | NUMBER | 5413374-0-0 | DIST. | | | |
| REV. | U | | | | | | |

1 2 3 4 5 6 7 8

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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 21VOLT GROUND (DIAGRAM BELOW).



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

| LINE ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | QTY PER VARIATION | REFERENCE DESIGNATOR |
|-----------|-----------------|-------------|----------------------------------|-------------------|----------------------------------|
| 1 | 1 | 5013373-00 | LA34 LOGIC BOARD | 1 1 | C42 |
| 2 | 2 | 1000055-00 | 2200.0 MMF 250V 20% Y55 DISC | 1 1 | C59 |
| 3 | 3 | 1000079-00 | 47 MFD 20V 20% S.TANT | 1 1 | C1,C2,C5,C7-C9,C11,C12,C14,C15, |
| 4 | 4 | 1001610-00 | .01 MFD 50V +80-20% Z5U CER | 39 39 | C17-C19,C21-C35,C37-C39,C51-C54, |
| 5 | 5 | 1005306-00 | 6.8MFD 35V 10% S.TANT | 5 5 | C56-C58,C60 |
| 6 | 6 | 1005820-00 | 22.0 MMF 100V 5%200PPM MICA | 1 1 | C47-C49,C50,C45 |
| 7 | 7 | 1005636-00 | 22 MFD 6V 10% S.TANT | 1 1 | C41 |
| 8 | 8 | 1105275-00 | D 672 TR= 15NS PIV= 60V SI | 5 5 | C43 |
| 9 | 9 | 1101938-00 | 1N 4370A VZ= 2.4 5% .40W | 1 1 | D20-D24 |
| 10 | 10 | 1105796-00 | 1N 4004 PIV=400 I= 1A D041 SP | 18 18 | D18 |
| 11 | 11 | 1215006-08 | SKT,IC 40PIN DIP TIN PLATE | 2 2 | D1-D17,D19 |
| 12 | 12 | 1215006-06 | SKT,IC 24PIN DIP TIN PLATE | 2 2 | |
| 13 | 13 | 1211164-04 | SW,DIP 1P 1A 8POS | 1 1 | E35 |
| 14 | 14 | 1215323-02 | CONN, 2POS POLARIZING & LO | 1 1 | J1 |
| 15 | 15 | 1215323-00 | CONN, 6POS POLARIZING & LO | 2 2 | J2,J9 |
| 16 | 16 | 1215324-00 | CONN 15POS GOLD PLATED | 1 1 | J5 |
| 17 | 17 | 1215699-00 | HEADER 9POS STRAIGHT | 1 1 | J4 |
| 18 | 18 | 1215635-01 | TRANSducer,MINATURE AUDIO FOR LA | 1 1 | BE1 |
| 19 | 19 | 1215921-00 | CONN, 4PIN WAFER,RIGHT ANG | 1 1 | J3 |
| 20 | 20 | 1209941-02 | HEADER 100 40POS RT ANGLE | 2 2 | J6,J8 |
| 21 | 21 | 1209941-09 | HEADER 26POS RT ANGLE RCPT | 1 1 | J7 |
| 22 | 22 | 1300247-00 | 120.0 .25 W 5.0 % CC | 1 1 | R31 |
| 23 | 23 | 1300295-00 | 330.0 .25 W 5.0 % CC | 4 4 | R14,R15,R5,R16 |
| 24 | 24 | 1300365-00 | 1.0 K .25 W 5.0 % CC | 7 7 | R36,R49,R19,R29,R40,R41,R55 |
| 25 | 25 | 1300415-00 | 2.20 K .50 W 5.0 % CC | 1 1 | R33 |
| 26 | 26 | 1300479-00 | 10.0 K .25 W 5.0 % CC | 10 10 | R10,R7,R6,R11,R12,R8,R22,R21, |
| 27 | 27 | 1300488-00 | 12.0 K .25 W 5.0 % CC | 1 1 | R13,R9 |

REVISION HISTORY

| ENGI | ECO NUMBER | REV | SECTION A OF A | DRN: | J. LIZOTTE | DATE: | 14-JUN-78 | TITLE | PARTS LIST |
|------|---------------|-----|-------------------------|------------------|------------|----------------------|-----------|------------------|------------|
| JB | IPN006 | IK | SECTION VARIATION INDEX | CHK'D: | R.WONG | DATE: | 05-JUL-78 | | |
| JB | 5413374-PN007 | IL | CAJ 00,01 | DES.ENG: | D.DODSON | DATE: | 05-JUL-78 | LA34 LOGIC BOARD | |
| JB | 5413374-PN008 | IM | | DES.ENG: | D.DODSON | DATE: | 05-JUL-78 | | |
| JB | 5413374-PN009 | IN | | DES.ENG: | D.DODSON | DATE: | 05-JUL-78 | | |
| JB | 5413374-PN010 | IP | | RESP.ENG.: | D. DODSON | DATE: | 14-JUN-78 | | |
| JD | 5413374-PN011 | IR | | RESP.ENG.: | D. DODSON | DATE: | 14-JUN-78 | | |
| JB | 5413374-PN012 | IS | | RESP.ENG.: | D. DODSON | DATE: | 14-JUN-78 | | |
| JB | 5413374-PN013 | IT | | MFG.ENG.: | L.MIOW | DATE: | 05-JUL-78 | | |
| JB | 5413374-PN014 | IU | | ASSEMBLY NUMBER: | | TOP DOCUMENT NUMBER: | | | |
| JB | 5413374-PN015 | IIV | | ASSEMBLY NUMBER: | | TOP DOCUMENT NUMBER: | | | |
| NG | 5413374-PN017 | IW | | ASSEMBLY NUMBER: | | TOP DOCUMENT NUMBER: | | | |

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

| LINE ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | QTY PER VARIATION | REFERENCE DESIGNATOR |
|-----------|-----------------|-------------|----------------------------------|-------------------|---------------------------------|
| 28 | | 1302388-00 | 2.0 K .25 W 5.0 % CC | 1 | R51 |
| 29 | | 1302466-00 | 100.0 K .25 W 5.0 % CC | 2 | R23,R20 |
| 30 | | 1301890-00 | 560.0 .25 W 5.0 % CC | 1 | R48 |
| 31 | | 1301423-00 | 6.80 K .25 W 5.0 % CC | 3 | R25,R26,R30 |
| 32 | | 1300005-07 | R NETWORK 15-4.7K 5.0 % 16PIN | 1 | E34 |
| 33 | | 1300439-00 | 3.30 K .25 W 5.0 % CC | 1 | R50 |
| 34 | | 1315676-00 | 300.0 3.0 W 5.0 % WM 9 | 1 | R34 |
| 35 | | 1515370-00 | TIP146 PNP DARLINGTON-CONNECTED | 1 | Q1 |
| 36 | | 1514509-00 | TIP 125 PNP .65W SI 60 500 8A | 1 | Q3 |
| 37 | | 1510706-00 | XA 55 PNP 500MW SI 60 50 P | 1 | Q2 |
| 38 | | 1812396-03 | XTAL 4.000 MHZ | 1 | Y1 |
| 39 | | 1915636-00 | DRIVER, SWITCHING MOT | 1 | E1 |
| 40 | | 1913130-00 | DEC 1489A RECEIVER, LINE, QUAD, | 1 | E41 |
| 41 | | 1912863-00 | LS273 FF-D OCTAL W/CLEAR | 1 | E15 |
| 42 | | 1912846-00 | LS155 DECODER, 2 OF 4(DUAL) | 1 | E40 |
| 43 | | 1910322-00 | DEC 1488L DRIVER, LINE, QUAD, EI | 1 | E31 |
| 44 | | 1910741-00 | 7406 INVERTER GATE-HEX 11 | 1 | E5 |
| 45 | | 1912108-00 | 339 VOLT CMPRTR, QUAD | 1 | E39 |
| 46 | | 1912801-00 | LS02 NOR-GATE-QUAD 2IN | 1 | E7 |
| 47 | | 1912803-00 | 74LS04 INVERTER GATE, HEX | 3 | E30,E18,E17 |
| 48 | | 1912805-00 | LS08 AND GATE-QUAD 2IN, PD | 1 | E29 |
| 49 | | 1913777-00 | LS240 DRIVER, LINE, OCTAL, T | 1 | E16 |
| 50 | | 1914072-00 | 74159 DECODER-4 TO 16 OPN | 1 | E2 |
| 51 | | 1215006-07 | SKT, IC 28PIN DIP TIN PLATE | 1 | |
| 52 | | 1915261-00 | DEC 2841B DRIVER, 1.5A QUAD | 3 | E13,E20,E8 |
| 53 | | 1914560-00 | LS368 DRIVER, BUS, HEX, TRI- | 1 | E38 |
| 54 | | 1913471-00 | LS367 DRIVER, BUS, HEX, TRI- | 1 | E23 |
| 55 | | 1912807-00 | LS10 NAND GATE-TRIPLE 3IN | 1 | E37 |
| 56 | | 1912816-00 | LS32 OR GATE-QUAD 2IN, POS | 2 | E11,E28 |
| 57 | | 1912824-00 | LS74 FF-D DUAL, EDGE TRIGG | 1 | E12 |
| 58 | | 1910406-00 | 75451 DRIVER, PERIPH, DUAL, | 1 | E4 |
| 59 | | 1913950-00 | LS156 DECODER, 2 OF 4(DUAL) | 1 | E3 |
| 60 | | 2113107-01 | P 8251A PUSART COMM. INTERFA | 1 | E27 |
| 61 | | 2113954-00 | DC 305 INTERFACE CHIP | 1 | E14 |
| 62 | | 2114212-00 | P 2114-2 RAM, 1024X4, STATIC | 2 | E21,E22 |
| 63 | | 2114963-00 | UP, 8-BIT NMOS | 1 | E36 |
| 64 | | 2300189-00 | B9-01 | 1 | E33 |
| 65 | | 23059E2-00 | E2-01 | 1 | E6 |
| 66 | | 23131E2-00 | E2-01 | 1 | E10 |
| 67 | | 9009185-00 | JUMPER, WIRE, INSULATED, BLACK B | 9 | W21,W15,W19,W18,W13,W9,W6,W4,W1 |
| 68 | | 9105740-55 | CONT | 9 | W21,W25,W19,W18,W13,W9,W6,W4,W2 |
| 69 | | 1302602-00 | WIRE(WRAP)30AWG UL1423 | A/R A/F | |
| 70 | | 2301189-00 | 56.0 .25 W 5.0 % CC | 1 | R56 |
| 71 | | 23232E2-00 | B9-02 | 1 | F33 |
| 72 | | 1110854-00 | E2-04 | 1 | E6 |
| 73 | | | 1N 5353B VZ= 16.0V 5% .40W M | 1 | D25 |
| 74 | | | | 1 | |

USED FOR E27

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

AUTOMATED BY PRTLIST.2D(16)

P A R T S L I S T

SHEET A3 OF A3

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION
00 01

REFERENCE DESIGNATOR

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

| D | I | G | I | T | A | L | TITLE | SECTION A OF A | SIZE CODE | DOCUMENT NUMBER | REV |
|---|---|---|---|---|---|---|------------------|----------------|-----------|------------------|-----|
| | | | | | | | LA34 LOGIC BOARD | | K | PL 5413374-0-DBP | W |