

SYMBOL DENOTES

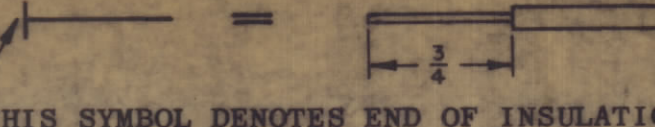
⬡ = DETAILED BREAKOUT LOCATIONS

○ } BREAKOUT STATIONS

○ } ITEM N°S

▽ } CONNECTOR PIN N°S

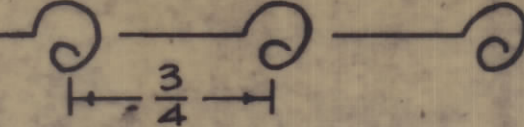
THIS SYMBOL DENOTES END OF INSULATION AND NAIL DRIVING POINT. WIRE MUST BE STRIPPED 3/4" BEYOND THIS POINT AND TINNED 1/2" UNLESS OTHERWISE SPECIFIED.



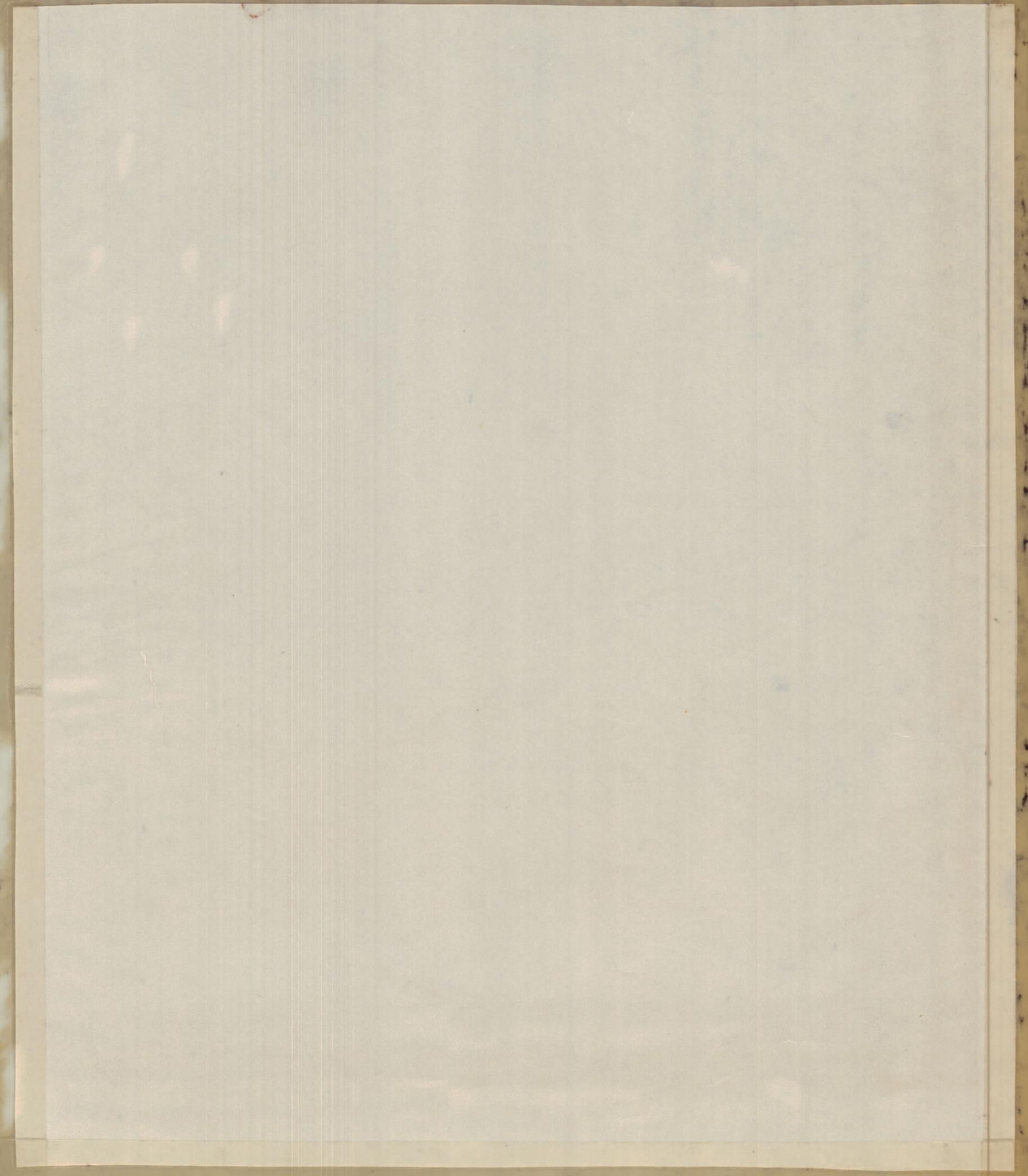
UNLESS OTHERWISE SPECIFIED WIRES SHOULD BE PLACED IN CABLE IN NUMERICAL SEQUENCE AS THEY APPEAR IN ITEM COLUMN BY CATEGORY.

1. ALL R.F. CABLES
2. ALL SHIELDED CABLES
3. ALL OTHERS

SPACE LACING APPROXIMATELY 3/4" APART.



| REVISIONS | | | | | | |
|-----------|-----|---------------------------------|---------|------------|-------|-----------|
| ZONE | LTR | DESCRIPTION | DATE | E.M.N. NO. | DRAFT | CHKD APPD |
| | X | EXP. RELEASE | 9/18/70 | | | |
| | Ø | ORIGINAL RELEASE FOR PRODUCTION | 9/18/70 | | | |



| | | |
|-------------|---------------|-----------|
| 1 | RTIH-4 | |
| QTY / UNIT | MODEL USED ON | ASS'Y NO. |
| APPLICATION | | |
| CODE A | | |

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| QTY. REQ. | ITEM | PART NO. | DESCRIPTION | SYMBOL |
|---|-----------|-----------------|-------------|--------|
| LIST OF MATERIAL | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES | | | | |
| TOLERANCES ON | | DATE | | |
| DECIMALS | FRACTIONS | 9-18-70 | | |
| X ± .05 | ± 1/64 | DATE | | |
| .XX ± .01 | ANGLES | 9-18-70 | | |
| .XXX ± .005 | ± 0°-30' | DATE | | |
| MATERIAL | | DATE | | |
| FINISH | | DATE | | |
| SIZE | | CODE IDENT. NO. | DWG. NO. | ISSUE |
| D | | 82679 | CA 1487 | Ø |
| SCALE | | SHEET | | OF |

FINAL APPROVAL: *S. Demare*
MECH. DES. *Uzzo*
ELECT. DES. *Uzzo*
CHECKED: *Uzzo*
DRAWN: *Uzzo*
DATE: 9/26/69

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

WIRING, HARNESS, BRANCHED

CA 1487

| REQ | ITEM | PART NUMBER | BREAKOUT | | DESTINATION OR DESCRIPTION | TO |
|-----|------|---------------|----------|-----|----------------------------|---------|
| | | | FROM | TO | | |
| | 1 | LWC26 (7) U97 | 19-Y | 1-1 | XA19 | PIN Y |
| | 2 | U94 | 19-U | 1-3 | XA19 | PIN Y |
| | 3 | U5 | 19-P | 1-3 | | U P N C |
| | 4 | U1 | 19-M | 1-5 | | 21 |
| | 5 | U4 | 19-C | 1-7 | | 19 |
| | 6 | U95 | 19-21 | 1-1 | | 17 |
| | 7 | U96 | 19-19 | 1-1 | | 15 |
| | 8 | U8 | 19-17 | 1-5 | | 14 |
| | 9 | U93 | 19-15 | 1-3 | | 13 |
| | 10 | U91 | 19-13 | 1-1 | | PIN 10 |
| | 11 | U6 | 19-13 | 1-5 | | PIN Y |
| | 12 | LWC26 (7) U3 | 19-9 | 1-5 | XA19 | U P N C |
| | 13 | LWC26 (7) U97 | 18-Y | 2-1 | XA18 | 21 |
| | 14 | U94 | 18-U | 2-3 | XA17 | 19 |
| | 15 | U5 | 18-P | 2-3 | | 17 |
| | 16 | U1 | 18-M | 2-5 | | 15 |
| | 17 | U4 | 18-C | 2-7 | | 14 |
| | 18 | U95 | 18-21 | 2-1 | | 13 |
| | 19 | U96 | 18-19 | 2-1 | | PIN 10 |
| | 20 | U8 | 18-17 | 2-5 | | PIN Y |
| | 21 | U93 | 18-15 | 2-3 | | U P N C |
| | 22 | U91 | 18-13 | 2-1 | | 21 |
| | 23 | U6 | 18-13 | 2-5 | | 19 |
| | 24 | LWC26 (7) U3 | 18-9 | 2-5 | XA18 | 17 |
| | 25 | LWC26 (7) U97 | 17-Y | 3-1 | XA17 | 15 |
| | 26 | U94 | 17-U | 3-3 | | 14 |
| | 27 | U5 | 17-P | 3-3 | | 13 |
| | 28 | U1 | 17-M | 3-5 | | PIN 10 |
| | 29 | U4 | 17-C | 3-7 | | PIN Y |
| | 30 | U95 | 17-21 | 3-1 | | U P N C |
| | 31 | U96 | 17-19 | 3-1 | | 21 |
| | 32 | U8 | 17-17 | 3-5 | | 19 |
| | 33 | U93 | 17-15 | 3-3 | | 17 |
| | 34 | U91 | 17-13 | 3-1 | | 15 |
| | 35 | U6 | 17-13 | 3-5 | | 14 |
| | 36 | LWC26 (7) U3 | 17-9 | 3-5 | | 13 |
| | 37 | LWC26 (7) U97 | 16-Y | 4-1 | XA17 XA16 | PIN 10 |
| | 38 | U94 | 16-U | 4-3 | | PIN Y |
| | 39 | U5 | 16-P | 4-3 | | U P N C |
| | 40 | U1 | 16-M | 4-5 | | 21 |
| | 41 | U4 | 16-C | 4-7 | | 19 |
| | 42 | U95 | 16-21 | 4-1 | | 17 |
| | 43 | U96 | 16-19 | 4-1 | | 15 |
| | 44 | U8 | 16-17 | 4-5 | | 14 |
| | 45 | U93 | 16-15 | 4-3 | | 13 |
| | 46 | U91 | 16-13 | 4-1 | | PIN 10 |
| | 47 | U6 | 16-13 | 4-5 | | PIN Y |
| | 48 | LWC26 (7) U3 | 16-9 | 4-5 | XA16 | U P N C |
| | 49 | LWC26 (7) U97 | 15-Y | 5-1 | XA15 | 21 |
| | 50 | LWC26 (7) U94 | 15-U | 5-3 | XA15 | 19 |

XDS17

PIN A

D

4

5

H

I

B

F

C

2

E

6

XDS17

PIN A

D

4

5

H

I

B

F

C

2

E

6

XDS18

PIN A

D

4

5

H

I

B

F

C

2

E

6

XDS19

PIN A

D

4

5

H

I

B

F

C

2

E

6

XDS20

PIN A

D

4

5

H

I

B

F

C

2

E

6

XDS21

PIN A

D

4

5

H

I

B

F

C

2

E

6

XDS21

PIN A

D

4

5

H

I

B

F

C

2

E

6

| REQ | ITEM | PART NUMBER | BREAKOUT | | DESTINATION OR DESCRIPTION | |
|-----|------|---------------|----------|-----|----------------------------|-----------------|
| | | | FROM | TO | FROM | TO |
| 51 | | LWC26 (7) U5 | 15-P | 5-3 | XA15 | XDS21 |
| 52 | | U1 | 15-M | 5-5 | PIN P | PIN 4 |
| 53 | | U4 | 15-C | 5-7 | PIN N | PIN 5 |
| 54 | | U95 | 15-21 | 5-1 | C | H 1 |
| 55 | | U96 | 15-19 | 5-1 | 21 | B F C 2 |
| 56 | | U8 | 15-17 | 5-5 | 19 | E 6 |
| 57 | | U93 | 15-15 | 5-3 | 17 | A D 4 |
| 58 | | U91 | 15-13 | 5-1 | 15 | 5 H 1 B F C 2 |
| 59 | | U6 | 15-13 | 5-5 | 14 | E 6 |
| 60 | | LWC26 (7) U3 | 15-9 | 5-5 | 13 | A D 4 |
| 61 | | LWC26 (7) U97 | 14-Y | 6-1 | PIN 10 | PIN A |
| 62 | | U94 | 14-U | 6-3 | PIN Y | PIN D |
| 63 | | U5 | 14-P | 6-3 | U | 4 5 H 1 B F C 2 |
| 64 | | U1 | 14-M | 6-5 | P | E 6 |
| 65 | | U4 | 14-C | 6-7 | N | A D 4 |
| 66 | | U95 | 14-21 | 6-1 | N | 5 H 1 B F C 2 |
| 67 | | U96 | 14-19 | 6-1 | C | E 6 |
| 68 | | U8 | 14-17 | 6-5 | 21 | A D 4 |
| 69 | | U93 | 14-15 | 6-3 | 19 | 5 H 1 B F C 2 |
| 70 | | U91 | 14-13 | 6-1 | 17 | E 6 |
| 71 | | U6 | 14-13 | 6-5 | 15 | A D 4 |
| 72 | | LWC26 (7) U3 | 14-9 | 6-5 | 14 | 5 H 1 B F C 2 |
| 73 | | LWC26 (7) U97 | 13-Y | 7-1 | 13 | E 6 |
| 74 | | U94 | 13-U | 7-3 | PIN 10 | PIN A |
| 75 | | U5 | 13-P | 7-3 | PIN Y | PIN D |
| 76 | | U1 | 13-M | 7-5 | U | 4 5 H 1 B F C 2 |
| 77 | | U4 | 13-C | 7-7 | P | E 6 |
| 78 | | U95 | 13-21 | 7-1 | N | A D 4 |
| 79 | | U96 | 13-19 | 7-1 | C | 5 H 1 B F C 2 |
| 80 | | U8 | 13-17 | 7-5 | 21 | E 6 |
| 81 | | U93 | 13-15 | 7-3 | 19 | A D 4 |
| 82 | | U91 | 13-13 | 7-1 | 17 | 5 H 1 B F C 2 |
| 83 | | U6 | 13-13 | 7-5 | 15 | E 6 |
| 84 | | LWC26 (7) U3 | 13-9 | 7-5 | 14 | A D 4 |
| 85 | | LWC26 (7) U97 | 12-Y | 8-1 | 13 | 5 H 1 B F C 2 |
| 86 | | U94 | 12-U | 8-3 | PIN 10 | PIN A |
| 87 | | U5 | 12-P | 8-3 | PIN Y | PIN D |
| 88 | | U1 | 12-M | 8-5 | U | 4 5 H 1 B F C 2 |
| 89 | | U4 | 12-C | 8-7 | P | E 6 |
| 90 | | U95 | 12-21 | 8-1 | N | A D 4 |
| 91 | | U96 | 12-19 | 8-1 | C | 5 H 1 B F C 2 |
| 92 | | U8 | 12-17 | 8-5 | 21 | E 6 |
| 93 | | U93 | 12-15 | 8-3 | 19 | A D 4 |
| 94 | | U91 | 12-13 | 8-1 | 17 | 5 H 1 B F C 2 |
| 95 | | U6 | 12-13 | 8-5 | 15 | E 6 |
| 96 | | LWC26 (7) U3 | 12-9 | 8-5 | 14 | A D 4 |
| 97 | | LWC26 (7) U97 | 11-Y | 9-1 | 13 | 5 H 1 B F C 2 |
| 98 | | U94 | 11-U | 9-3 | PIN 10 | PIN A |
| 99 | | U5 | 11-P | 9-3 | PIN Y | PIN D |
| 100 | | LWC26 (7) U1 | 11-M | 9-5 | U | 4 5 H 1 B F C 2 |

| REQ | ITEM | PART NUMBER | BREAKOUT | | DESTINATION OR DESCRIPTION | |
|-----|----------------|-------------|----------|--------|----------------------------|--------|
| | | | FROM | TO | FROM | TO |
| 101 | LWC26 (7) U4 | 11-C | XA11 | PIN C | XDS25 | PIN H |
| 102 | U95 | 11-21 | | 21 | | 1 |
| 103 | U96 | 11-19 | | 19 | | B |
| 104 | U8 | 11-17 | | 17 | | F |
| 105 | U93 | 11-15 | | 15 | | C |
| 106 | U91 | 11-13 | | 14 | | 2 |
| 107 | U6 | 11-13 | | 13 | | E |
| 108 | LWC26 (7) U3 | 11-9 | XA11 | 10 | XDS25 | 6 |
| 109 | LWC26 (7) U94 | 10-21 | XA1 | PIN 18 | J1 | E |
| 110 | U5 | 10-P | | P | | G |
| 111 | U1 | 10-M | | N | | F |
| 112 | U4 | 10-C | | C | | J |
| 113 | U95 | 10-U | | T | | R |
| 114 | U8 | 10-17 | | 17 | | S |
| 115 | U93 | 10-21 | | 21 | | H |
| 116 | U91 | 10-U | | R | | K |
| 117 | U6 | 10-13 | | 13 | | L |
| 118 | LWC26 (7) U3 | 10-9 | XA1 | PIN 9 | J1 | D |
| 119 | LWC24 (7) U7 | C1- | C1- | | J1 | P |
| 120 | U7 | C1- | | | XDS25 | P |
| 121 | U7 | 9-7 | XDS25 | PIN 7 | XDS24 | 7 |
| 122 | U7 | 8-7 | XDS24 | 7 | 23 | 7 |
| 123 | U7 | 7-7 | 23 | 7 | 22 | 7 |
| 124 | U7 | 6-7 | 22 | 7 | 21 | 7 |
| 125 | U7 | 5-7 | 21 | 7 | 20 | 7 |
| 126 | U7 | 4-7 | 20 | 7 | 19 | 7 |
| 127 | U7 | 3-7 | 19 | 7 | 18 | 7 |
| 128 | LWC24 (7) U7 | 2-7 | XDS18 | PIN 7 | XDS17 | 7 |
| 129 | LWC24 (7) U2 | XA10-S | XA10 | PIN S | XA1 | PIN 20 |
| 130 | U2 | 10-19 | 1 | 20 | 11 | 20 |
| 131 | U2 | 11-19 | 11 | 20 | 12 | 20 |
| 132 | U2 | 12-19 | 12 | 20 | 13 | 20 |
| 133 | U2 | 13-19 | 13 | 20 | 14 | 20 |
| 134 | U2 | 14-19 | 14 | 20 | 15 | 20 |
| 135 | U2 | 15-19 | 15 | 20 | 16 | 20 |
| 136 | U2 | 16-19 | 16 | 20 | 17 | 20 |
| 137 | U2 | 17-19 | 17 | 20 | 18 | 20 |
| 138 | LWC24 (7) U2 | 18-19 | XA18 | PIN 20 | XA19 | PIN 20 |
| 139 | LWC24 (7) U0 | GRD | GRD | | XA1 | PIN 22 |
| 140 | U0 | 10-21 | XA1 | PIN 22 | XA11 | PIN 22 |
| 141 | U0 | 11-21 | 11 | 22 | 12 | 22 |
| 142 | U0 | 12-21 | 12 | 22 | 13 | 22 |
| 143 | U0 | 13-21 | 13 | 22 | 14 | 22 |
| 144 | U0 | 14-21 | 14 | 22 | 15 | 22 |
| 145 | U0 | 15-21 | 15 | 22 | 16 | 22 |
| 146 | U0 | 16-21 | 16 | 22 | 17 | 22 |
| 147 | U0 | 17-21 | 17 | 22 | 18 | 22 |
| 148 | LWC24 (7) U0 | 18-21 | XA18 | PIN 22 | XA19 | PIN 22 |
| 149 | LWC26 (7) U92 | 10-15 | XA1 | PIN 15 | J1 | PIN A |
| 150 | LWC26 (7) U93 | 10-15 | XA1 | PIN 14 | J1 | PIN M |
| 151 | CD101-1MW | | | | | |
| 152 | BS100 | | | | | |
| 153 | MS3102A-20-29S | | | | | |

CORD, NYLON, LACING
SOLDER, TIN ALLOY
CONN, RECP, ML