CONNECTOR PART NUMBER BUILD
SAMPLE PART NUMBER: VRD-04-10-50-013-03J-060

VRD-XX-XX-XXXX-XXXX-XXXX-XX

MATERIALS AND FINISHES

<table>
<thead>
<tr>
<th>SHELL</th>
<th>MATERIAL</th>
<th>6061-T6, 6061-T651 OR 6061-T651 ALUMINUM</th>
<th>FINISH</th>
<th>500 MICRO INCH MN, ELECTROLESS Ni PER AATI AM5-2404, CLASS 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCKET MATERIAL</td>
<td>BeCu PER ASTM B194</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONTACTS</td>
<td>PIN MATERIAL</td>
<td>PHCS BRONZE PER ASTM B105</td>
<td>FINISH</td>
<td>50 MICRO INCH MN, GOLD FINISH PER ASTM B488 OVER 50 MICRO INCH MN Ni PER ASTM B889 TYPE 1</td>
</tr>
<tr>
<td>CABLE</td>
<td>MATERIAL</td>
<td>GLASS-VEINED LIQUIFIED CRYSTAL POLYMER (LCP) PER ASTM D6156</td>
<td>FINISH</td>
<td>PASSIVATED PER AATI AM5-2700</td>
</tr>
<tr>
<td>HARDWARE</td>
<td>SCREW THREAD INSERT</td>
<td>NAS P/N: NAS130-02, 200</td>
<td>SHCS MATERIAL</td>
<td>CORROSION RESISTANT STEEL PER NAS 1352</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>SHCS FINISH</td>
<td>PASSIVATED PER AATI AM5-2700</td>
</tr>
<tr>
<td></td>
<td>MATERIAL</td>
<td>FREE END. CO. INSULATING COMPOUND CF3003-80 AND L-111-49 OR EQUIV.</td>
<td></td>
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</tr>
<tr>
<td>SOLDER</td>
<td>MATERIAL</td>
<td>Sn/Pb SOLDER, 63% Pb, 37% Sn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB</td>
<td>MATERIAL</td>
<td>ISOLA-185PCB LAMINATE</td>
<td>FINISH</td>
<td>ELECTROLESS NICKEL IMMERSION GOLD PER IPC-6012/DS</td>
</tr>
</tbody>
</table>

CONNECTOR 2

<table>
<thead>
<tr>
<th>000</th>
<th>FLYING LEADS</th>
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</thead>
<tbody>
<tr>
<td>01G</td>
<td>MALE W/ GUIDE PINS</td>
</tr>
<tr>
<td>01N</td>
<td>MALE W/ THREADED NUT #2-56</td>
</tr>
<tr>
<td>01U</td>
<td>MALE W/ LOCKING SCREW #2-56</td>
</tr>
<tr>
<td>03G</td>
<td>FEMALE W/ GUIDE SOCKETS</td>
</tr>
<tr>
<td>03N</td>
<td>FEMALE W/ THREADED NUT #2-56</td>
</tr>
<tr>
<td>03U</td>
<td>FEMALE W/ LOCKING SCREW #2-56</td>
</tr>
</tbody>
</table>

CONNECTOR 1

<table>
<thead>
<tr>
<th>01G</th>
<th>MALE W/ GUIDE PINS</th>
</tr>
</thead>
<tbody>
<tr>
<td>01N</td>
<td>MALE W/ THREADED NUT #2-56</td>
</tr>
<tr>
<td>01U</td>
<td>MALE W/ LOCKING SCREW #2-56</td>
</tr>
<tr>
<td>03G</td>
<td>FEMALE W/ GUIDE SOCKETS</td>
</tr>
<tr>
<td>03N</td>
<td>FEMALE W/ THREADED NUT #2-56</td>
</tr>
<tr>
<td>03U</td>
<td>FEMALE W/ LOCKING SCREW #2-56</td>
</tr>
</tbody>
</table>

CONTACT PLATING

| 50 - 50 Mu Au |

COLUMNS

<table>
<thead>
<tr>
<th>10</th>
<th>10 COLUMNS</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
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</tr>
<tr>
<td>30</td>
<td>30 COLUMNS</td>
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<tr>
<td>40</td>
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<tr>
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</table>

ROWS

<table>
<thead>
<tr>
<th>04</th>
<th>4 ROWS</th>
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</thead>
<tbody>
<tr>
<td>05</td>
<td>5 ROWS</td>
</tr>
<tr>
<td>06</td>
<td>6 ROWS</td>
</tr>
<tr>
<td>08</td>
<td>8 ROWS</td>
</tr>
<tr>
<td>10</td>
<td>10 ROWS</td>
</tr>
</tbody>
</table>

Notes:
1. SEE AIRBORN SPEC. ES5001 FOR ADDITIONAL APPLICATION INFORMATION.
2. SEE SHEET 2 FOR DIMENSIONAL INFORMATION.
3. SEE SHEET 3 FOR CABLE CONFIGURATIONS.
4. SEE SHEET 7 FOR CABLE CONSTRUCTION.
5. SEE SHEET 11 FOR PIN-OUTS.
6. SEE SHEET 13 FOR CONNECT CHART.
7. ALL GROUNDS ARE COMMON.
8. ALL GROUNDS ARE ELECTROLESS NICKEL.
9. WHEN BOTH ENDS ARE THE SAME, GENDER OF PINOUT IS ONE-TO-ONE.
10. ALL VRD PART NUMBERS ARE NON-ROWS COMPLIANT.
11. MATCHES WITH THE FOLLOWING: VRF, VRM, VRRAF, VRRAM, VRW, VSF, VSM, VSRA, VRAM.

AirBorn
Georgetown, Texas 78628

Drawing Status: Released
This drawing is not authorized for production until stated.

Part: C
Sheet: A
Scale: 1/48

Release Date: 11/17/XX

Date: 11/17/XX

Printed: 11/17/XX

Printed by: AirBorn

Pages: 1/48

Part Number: EP-117881

Revision: A
HARDWARE CONFIGURATION

01G - MALE W/ GUIDE PINS

2X GUIDE SOCKET

03G - female W/ GUIDE SOCKETS

2X #2-56 UNC-2B JACKNUT

02N - female W/ THREADED NUT #2-56

2X #2-56 UNC-2B JACKNUT

02N - male W/ THREADED NUT #2-56
DESCRIPTION:

PARALLEL PAIR TWINAX CABLE:

CONSTRUCTION:

CONDUCTOR: 30 AWG, 7/38 SPC, PER ASTM B298
INSULATION: FEP (ONE BLUE, ONLE GREEN)
BRAID SHIELD: 44 AWG SPEC PER ASTM B298
SILVER PLATED COPPER, >90% COVERAGE
JACKET: FEP (TEAL)

PROPERTIES:

OPERATING TEMPERATURE: -55°C TO +200°C
DIFFERENTIAL IMPEDENCE: 100±10 OHMS
MIN. BEND RADIUS: 0.25”
VRD CABLE PINOUTS 4-ROW

4 x 10
12 DIFFERENTIAL PAIRS

4 x 20
26 DIFFERENTIAL PAIRS

4 x 30
40 DIFFERENTIAL PAIRS

4 x 40
52 DIFFERENTIAL PAIRS

4 x 50
66 DIFFERENTIAL PAIRS
VRD CABLE PINOUTS 5 ROW

5 x 10
15 differential pairs

5 x 20
32 differential pairs

5 x 30
50 differential pairs

5 x 40
65 differential pairs

5 x 50
82 differential pairs
4 X 10 MALE TO FEMALE CABLE ASSY CONNECT CHART

4 X 10 SAME GENDER CABLE ASSY CONNECT CHART
4 X 40 MALE TO FEMALE CONNECT CHART
4 X 40 SAME GENDER CONNECT CHART
4 X 50 MALE TO FEMALE CONNECT CHART
5 X 40 SAME GENDER CONNECT CHART
6 X 20 MALE TO FEMALE CABLE ASSY CONNECT CHART

6 X 20 SAME GENDER CABLE ASSY CONNECT CHART

AirBorn
versi SERIES CABLE ASSY.
TWINAX CABLE
PRODUCT DRAWING

DRAWING STATE: Released

This drawing is not authorized for production unless released.

AirBorn
Corriganville, Texas 78701

REV A
6 X 30 MALE TO FEMALE CONNECT CHART

6 X 30 SAME GENDER CONNECT CHART
6 X 50 SAME GENDER CONNECT CHART
8 X 40 SAME GENDER CABLE ASSY CONNECT CHART
10 X 40 SAME GENDER CABLE ASSY CONNECT CHART
10 X 50 MALE TO FEMALE CABLE ASSY CONNECT CHART
10 X 50 SAME GENDER CABLE ASSY CONNECT CHART