Features
- 4 mm pitch
- Low profile
- Rugged design
- Vertical or horizontal entry
- RoHS compliant* - see processing information on RoHS compliant surface mount components

Materials & Finishes
Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
Contact: Copper alloy finish
Underplating: 30 µm min. Ni Contact Area: 30 µm min. Au over Ni Termination: Tin alloy (meets MIL-STD-202, method 208)

Operating Characteristics
Electrical
Mechanical
Vibration: 10-55 Hz, 0.06 inches D.A. Shock: 50 G, 11 ms Normal Force: 100 grams min. at a working height of 0.51 mm (0.020 in.) Durability: 50,000 cycles min. Contact Resistance after: 50,000 Cycles: 50 mΩ MSL: 1 ESD Rating (HBM): 3B

Product Dimensions

How to Order

70AD J - 3 - M L 0 G

Model
Terminal Style
J = SMT
H = Through-hole
Number of Contacts 2 through 8
Gender
M = Male
Height
L = Low Profile
Options
O = Standard
1 = Locator Pins (J style only)
Packaging Option
- = Tube (120/N pcs. or 120 contacts per tube)
G = Embossed Tape (500 pcs. per reel)

<table>
<thead>
<tr>
<th>Number of Contacts</th>
<th>Dimension A</th>
<th>Dimension B</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>7.82 (.308)</td>
<td>5.11 (.201)</td>
</tr>
<tr>
<td>3</td>
<td>11.82 (.466)</td>
<td>9.11 (.359)</td>
</tr>
<tr>
<td>4</td>
<td>15.82 (.623)</td>
<td>13.11 (.516)</td>
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<tr>
<td>5</td>
<td>19.82 (.781)</td>
<td>17.11 (.674)</td>
</tr>
<tr>
<td>6</td>
<td>23.83 (.938)</td>
<td>21.11 (.831)</td>
</tr>
</tbody>
</table>

Dimensions: MM (INCHES)

Tolerances: ±0.3 (.012) UNLESS OTHERWISE NOTED

WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

** Bourns considers a product to be “halogen free” if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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70AD/Male - Modular Contact

Packaging Specifications

<table>
<thead>
<tr>
<th>No. of Contacts</th>
<th>Dimension A</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>6.15 (0.242)</td>
</tr>
<tr>
<td>3</td>
<td>11.7 (0.461)</td>
</tr>
<tr>
<td>4</td>
<td>16.7 (0.657)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No. of Contacts</th>
<th>Dimension A</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>19.4 (0.764)</td>
</tr>
<tr>
<td>6</td>
<td>25.5 (1.004)</td>
</tr>
</tbody>
</table>

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