**Materials & Finishes**

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

**Operating Characteristics**

Electrical
- Current Rating: DC 3 A/contact
- Voltage Rating: DC 30 V
- Contact Resistance: 25 mΩ max.
- Dielectric Voltage: AC 500 V
- Insulating Resistance: 500 MΩ min.
- Operating Temperature: -55 °C to 125 °C

Mechanical
- Durability: 50,000 cycles min.
- Contact Resistance after 50,000 Cycles: 50 mΩ
- MSL: 1
- ESD Rating (HBM): 3B

**How to Order**

70AD J - 3 - F L 0 G

- Model
- Terminal Style: SMT = Through-hole
- Number of Contacts: 2 through 6
- Gender: F = Female
- Height: L = Low Profile
- Options:
  - 0 = Standard
  - 1 = Locator Pins (J style only)
- Packaging Option:
  - _ = Tube (240/N pcs. or 240 contacts per tube)
  - G = Embossed Tape (500 pcs. per reel)

- Number of Contacts
- Dim. A
- Dim. B
- Dim. C

<table>
<thead>
<tr>
<th>Number of Contacts</th>
<th>Dim. A</th>
<th>Dim. B</th>
<th>Dim. C</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>9.0</td>
<td>4.0</td>
<td>6.99</td>
</tr>
<tr>
<td>3</td>
<td>13.0</td>
<td>8.0</td>
<td>11.0</td>
</tr>
<tr>
<td>4</td>
<td>17.0</td>
<td>12.0</td>
<td>15.0</td>
</tr>
<tr>
<td>5</td>
<td>21.0</td>
<td>16.0</td>
<td>19.0</td>
</tr>
<tr>
<td>6</td>
<td>25.0</td>
<td>20.0</td>
<td>22.9</td>
</tr>
</tbody>
</table>

**Specifications**

- 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.
- Specifications are subject to change without notice.

**WARNING**

Cancer and Reproductive Harm
www.P65Warnings.ca.gov
## 70AD/Female - Modular Contact

### Packaging Specifications

#### Dimensions:

- **A**: Dimensions in millimeters (MM) and inches (INCHES)
- **B (Max.)**: Dimensions in millimeters (MM) and inches (INCHES)

#### No. of Contacts vs. Dimension A

<table>
<thead>
<tr>
<th>No. of Contacts</th>
<th>Dimension A</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>9.5 (0.374)</td>
</tr>
<tr>
<td>3</td>
<td>13.5 (0.531)</td>
</tr>
<tr>
<td>4</td>
<td>17.5 (0.689)</td>
</tr>
</tbody>
</table>

#### No. of Contacts vs. Dimension B (Max.)

<table>
<thead>
<tr>
<th>No. of Contacts</th>
<th>Dimension A</th>
<th>Dimension B (Max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>24.41 (0.961)</td>
<td>30.40 (1.197)</td>
</tr>
<tr>
<td>3</td>
<td>24.41 (0.961)</td>
<td>30.40 (1.197)</td>
</tr>
<tr>
<td>4</td>
<td>24.41 (0.961)</td>
<td>30.40 (1.197)</td>
</tr>
<tr>
<td>5</td>
<td>44.83 (1.765)</td>
<td>50.30 (1.98)</td>
</tr>
<tr>
<td>6</td>
<td>44.83 (1.765)</td>
<td>50.30 (1.98)</td>
</tr>
</tbody>
</table>

### Specifications

- Specifications are subject to change without notice.
- Users should verify actual device performance in their specific applications.
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