**Features**
- 1.27 mm pitch
- Precious metal contacts
- Twin hot contacts (symmetrical pad layout)
- Pick & place compatible
- High cycle life
- RoHS compliant* - see processing information on RoHS compliant modular contacts
- Halogen free**

---

**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

**Operating Characteristics**
- Electrical
  - Current Rating: 3 A/contact
  - Voltage Rating: 60 V
  - Contact Resistance: 25 milliohms max.
  - Dielectric Voltage: AC 500 V
  - Insulating Resistance: 1000 Mohms 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**
- Model: 70AB J - 4 - F 0 E
- Terminal Style
- Number of Contacts (N): 2, 3 or 4
- Gender: Female
- Options: 0 = Standard, E = Embossed Tape (500 pcs. per reel - MSL-1)

---

**Recommended PWB Layout**

---

**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.

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

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Applications
- Handheld communications - mobile phones, pagers, cordless phones, GPS, PICs, radios
- Portable consumer equipment - PDAs, HPCs, notebook PCs, cameras, dictaphones, PICs, games

70AB/Female - Modular Contact

Packaging Specifications

<table>
<thead>
<tr>
<th>No. of Contacts</th>
<th>Dimension A (MM)</th>
<th>Dimension B (Max.) (MM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3.54 (.139)</td>
<td>4.88 (.192)</td>
</tr>
<tr>
<td>3</td>
<td>4.82 (.190)</td>
<td>6.16 (.243)</td>
</tr>
<tr>
<td>4</td>
<td>6.10 (.240)</td>
<td>7.44 (.293)</td>
</tr>
</tbody>
</table>

TOLERANCES:
- XX = \( \pm 0.5 \times 0.020 \) UNLESS OTHERWISE NOTED
- XXX = \( \pm 0.0127 \times 0.005 \) UNLESS OTHERWISE NOTED

DIMENSIONS: MM (INCHES)
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