

Features

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

■ Halogen free**

70AD/Male - Modular Contact

Materials & Finishes

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

Operating Characteristics

| Electrica | l |
|-----------|---|
|-----------|---|

| 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 | |

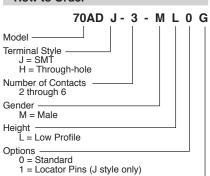
.....-55 °C to 125 °C

| Mechanical | |
|--------------|---------------------------|
| 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 m Ω MSL.....1 ESD Rating (HBM)3B

How to Order

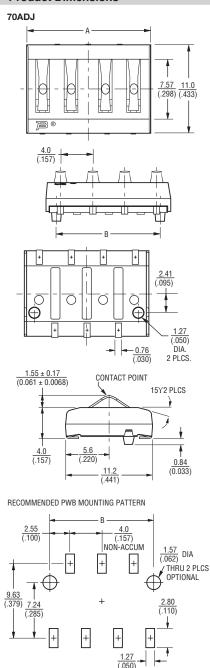


Packaging Option ____ = Tube (120/N pcs. or 120 contacts per tube)

G = Embossed Tape (500 pcs. per reel)

| Number of | Dimension | Dimension |
|-----------|-----------|-----------|
| Contacts | Α | В |
| 2 | 7.82 | 5.11 |
| 2 | (.308) | (.201) |
| 3 | 11.82 | 9.11 |
| 3 | (.466) | (.359) |
| 4 | 15.82 | 13.11 |
| 4 | (.623) | (.516) |
| 5 | 19.82 | 17.11 |
| 5 | (.781) | (.674) |
| 6 | 23.83 | 21.11 |
| | (.938) | (.831) |

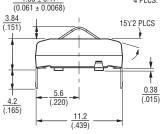
Product Dimensions



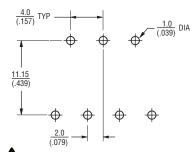


±0.3 UNLESS OTHERWISE NOTED TOLERANCES: $(\pm .012)$ MM DIMENSIONS: (INCHES)

70ADH (.157) 2.0 (.079) ⊕ $\frac{1.27}{(.050)}$ DIA. STANDOFFS (.151) 15Y2 PLCS



RECOMMENDED PWB PCB HOLE PATTERN





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

- RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
- 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 (CI) content is 1500 ppm or less.

Specifications are subject to change without notice.

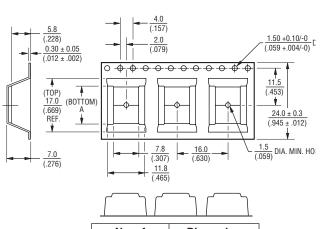
Users should verify actual device performance in their specific applications.

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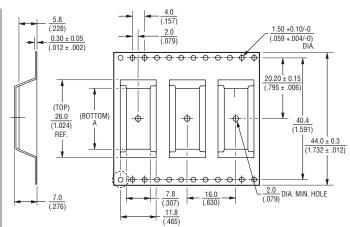
70AD/Male - Modular Contact

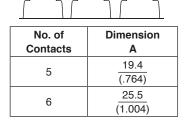
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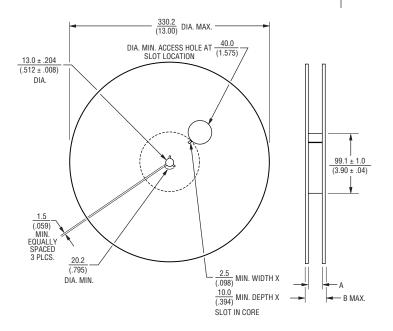
Packaging Specifications



| No. of Contacts | Dimension A |
|-----------------|----------------|
| 2 | 6.15 (.242) |
| 3 | 11.7 (.461) |
| 4 | 16.7 (.657) |







| No. of Contacts | Dimension A | Dimension B (Max.) |
|--------------------|------------------|------------------------|
| 2 | 24.41 (.961) | 30.40 (1.197) |
| 3 | 24.41 (.961) | 30.40 (1.197) |
| 4 | 24.41 (.961) | 30.40 (1.197) |
| 5 | 44.83 (1.765) | <u>50.30</u> (1.98) |
| 6 | 44.83 (1.765) | 50.30 (1.98) |

DIMENSIONS: $\frac{MM}{(INCHES)}$

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 70ADJ-3-ML0

 70ADH-3-ML0
 70ADJ-6-ML1
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