



## Features

- 4 mm pitch
- Rechargeable battery-pack applications
- Precious metal contacts
- RoHS compliant\* - see [processing information](#) on RoHS compliant surface mount components
- Halogen free\*\*

## 70AD/Female - Modular Contact

### Materials & Finishes

Insulator Glass reinforced thermoplastic, 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-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 \_\_\_\_\_  
 J = SMT  
 H = 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         |
|--------------------|----------------|----------------|----------------|
| 2                  | 9.0<br>(.354)  | 4.0<br>(.157)  | 6.99<br>(.275) |
| 3                  | 13.0<br>(.512) | 8.0<br>(.315)  | 11.0<br>(.433) |
| 4                  | 17.0<br>(.669) | 12.0<br>(.472) | 15.0<br>(.591) |
| 5                  | 21.0<br>(.827) | 16.0<br>(.630) | 19.0<br>(.748) |
| 6                  | 25.0<br>(.984) | 20.0<br>(.787) | 22.9<br>(.900) |

### Product Dimensions

70ADJ



70ADJ RECOMMENDED PWB MOUNTING PATTERN



70ADH



70ADH RECOMMENDED PWB MOUNTING PATTERN



TOLERANCES:  $\pm 0.3$  UNLESS OTHERWISE NOTED  
 $(\pm 0.012)$

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

\* 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 (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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**WARNING Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

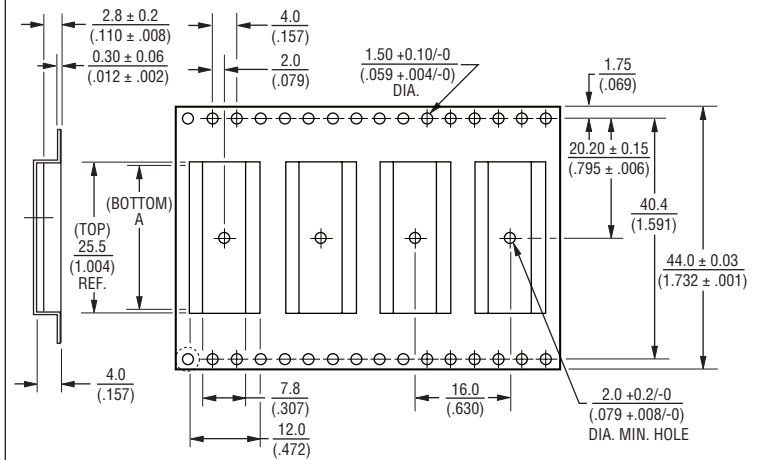
# 70AD/Female - Modular Contact

**BOURNS®**

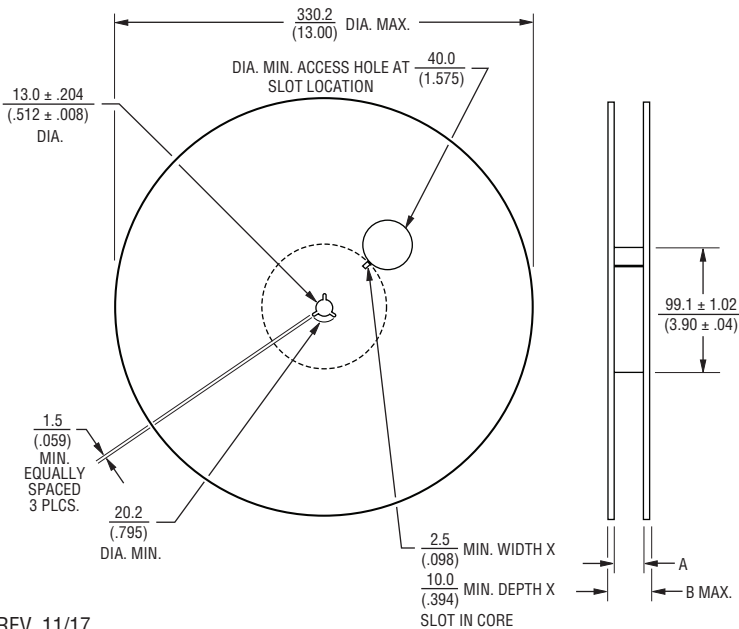
## Packaging Specifications



| No. of Contacts | Dimension A           |
|-----------------|-----------------------|
| 2               | $\frac{9.5}{(.374)}$  |
| 3               | $\frac{13.5}{(.531)}$ |
| 4               | $\frac{17.5}{(.689)}$ |



| No. of Contacts | Dimension A            |
|-----------------|------------------------|
| 5               | $\frac{19.5}{(.768)}$  |
| 6               | $\frac{25.5}{(1.004)}$ |



| No. of Contacts | Dimension A             | Dimension B (Max.)      |
|-----------------|-------------------------|-------------------------|
| 2               | $\frac{24.41}{(.961)}$  | $\frac{30.40}{(1.197)}$ |
| 3               | $\frac{24.41}{(.961)}$  | $\frac{30.40}{(1.197)}$ |
| 4               | $\frac{24.41}{(.961)}$  | $\frac{30.40}{(1.197)}$ |
| 5               | $\frac{44.83}{(1.765)}$ | $\frac{50.30}{(1.98)}$  |
| 6               | $\frac{44.83}{(1.765)}$ | $\frac{50.30}{(1.98)}$  |

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

REV. 11/17

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