



## Features

- 4 mm pitch
- Rechargeable battery-pack applications
- Precious metal contacts
- Tape & reel available

- 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  $\mu$ " min. Ni  
Contact Area ..... 30  $\mu$ " 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 m $\Omega$  max.  
Dielectric Voltage ..... AC 500 V  
Insulating Resistance ..... 500 M $\Omega$  min.  
Operating Temperature  
..... -55 °C to 125 °C  
Mechanical  
Durability ..... 5,000 cycles

### How to Order

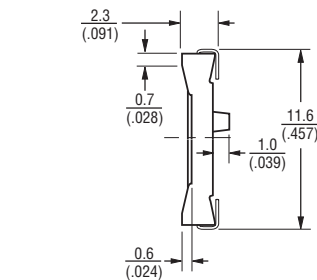
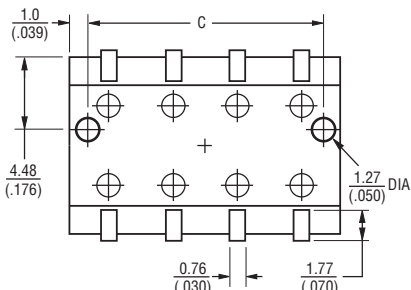
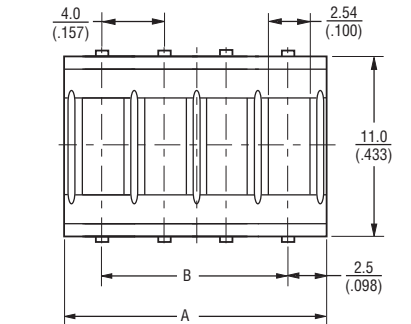
**70AD J - 3 - F L 0 G**

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)

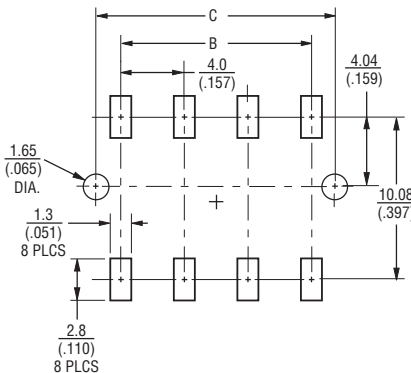
| Number of Contacts | Dim. A         | Dim. B         | Dim. C         |
|--------------------|----------------|----------------|----------------|
| 2                  | 9.0<br>(.354)  | 4.0<br>(.157)  | 6.99<br>(.275) |
| 3                  | 13.0<br>(.512) | 8.0<br>(.315)  | 11.0<br>(.433) |
| 4                  | 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

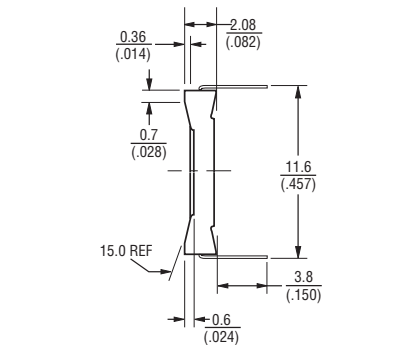
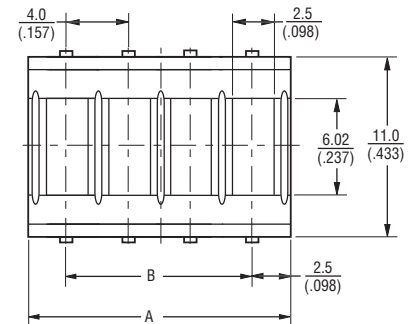
70ADJ



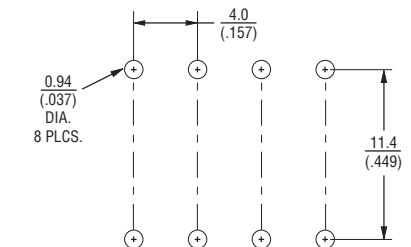
70ADJ RECOMMENDED PWB MOUNTING PATTERN



70ADH



70ADH RECOMMENDED PWB MOUNTING PATTERN



TOLERANCES:  $\pm 0.3$  UNLESS OTHERWISE NOTED  
( $\pm 0.12$ )

DIMENSIONS: MM  
(INCHES)

\* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

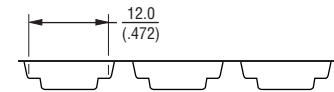
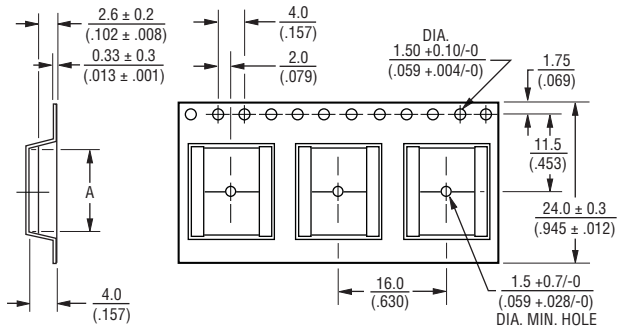
\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Specifications are subject to change without notice.  
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.  
Users should verify actual device performance in their specific applications.

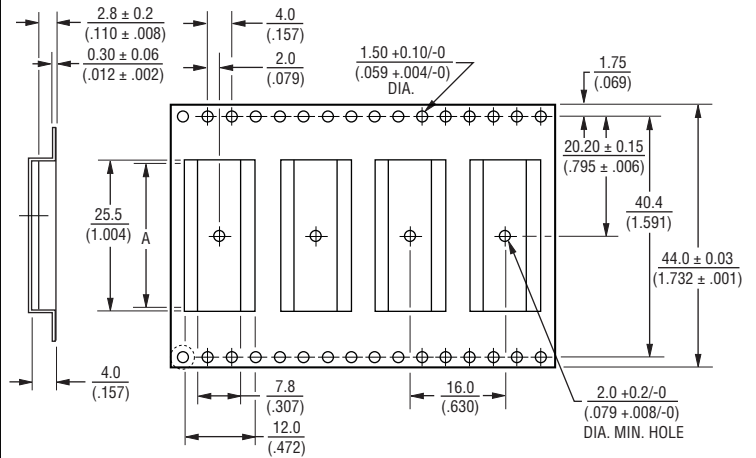
# 70AD/Female - Modular Contact

**BOURNS®**

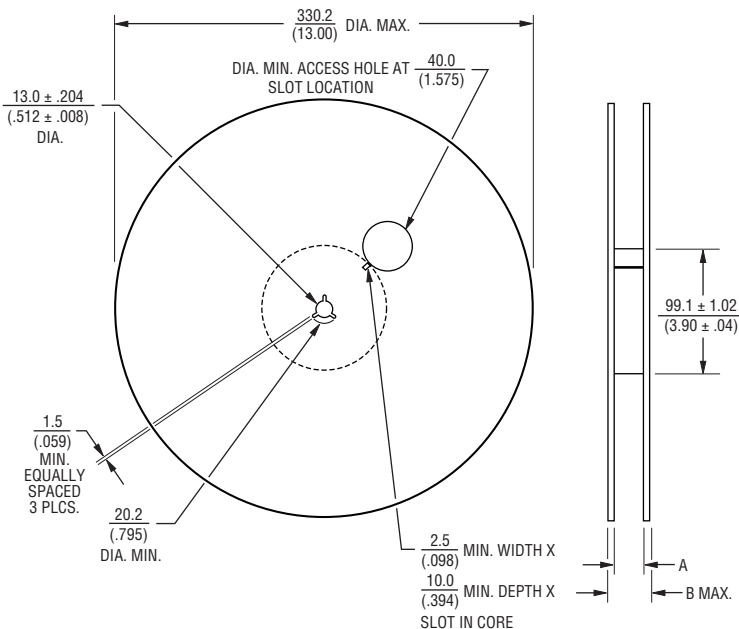
## Packaging Specifications



| 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. 05/15

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