



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 m Ω max.
Dielectric Voltage AC 500 V
Insulating Resistance..... 500 M Ω min.
Operating Temperature
..... -55 $^{\circ}$ C to 125 $^{\circ}$ C

Mechanical

Durability 50,000 cycles min.
Contact Resistance after
50,000 Cycles 50 m Ω
MSL 1
ESD Rating (HBM) 3B

How to Order

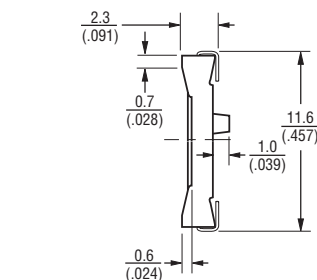
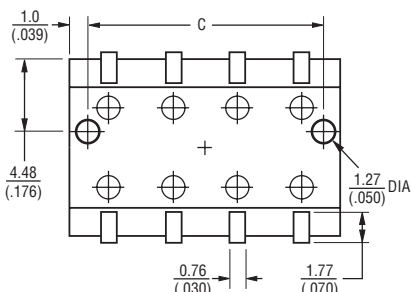
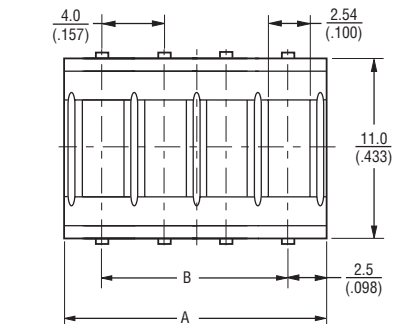
70AD J - 3 - F L 0 G

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)

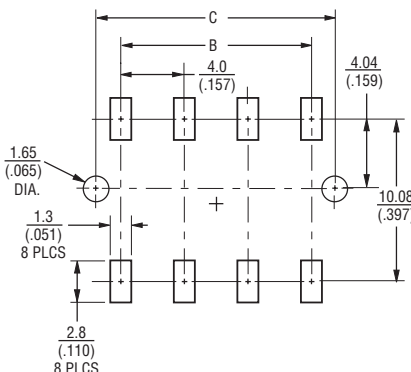
Number of Contacts	Dim. A	Dim. B	Dim. C
2	9.0 (.354)	4.0 (.157)	6.99 (.275)
3	13.0 (.512)	8.0 (.315)	11.0 (.433)
4	17.0 (.669)	12.0 (.472)	15.0 (.591)
5	21.0 (.827)	16.0 (.630)	19.0 (.748)
6	25.0 (.984)	20.0 (.787)	22.9 (.900)

Product Dimensions

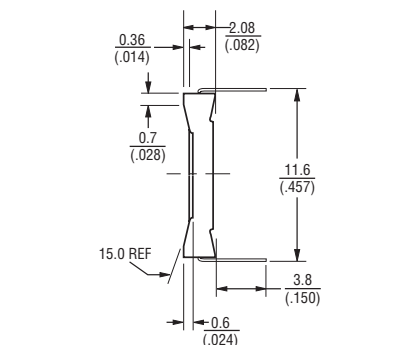
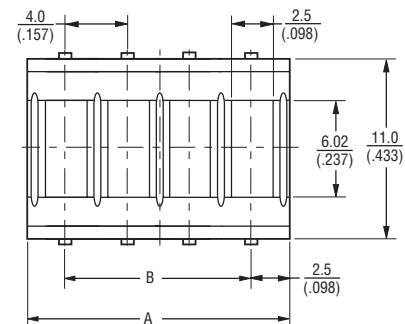
70ADJ



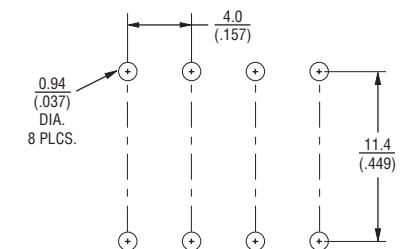
70ADJ RECOMMENDED PWB MOUNTING PATTERN



70ADH



70ADH RECOMMENDED PWB MOUNTING PATTERN



TOLERANCES: ± 0.3
(± 0.12) UNLESS OTHERWISE NOTED

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

* 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

BOURNS®

Technical drawing of a rectangular plate with three square holes. The drawing includes dimensions in millimeters and inches, and a detail view of the bottom flange.

Top View Dimensions:

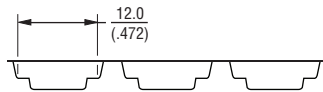
- Overall width: 2.6 ± 0.2 mm ($.102 \pm .008$) in.
- Distance from left edge to first hole center: 0.33 ± 0.3 mm ($.013 \pm .001$) in.
- Distance between hole centers: 4.0 mm ($.157$) in.
- Distance from last hole center to right edge: 2.0 mm ($.079$) in.
- Top hole diameter: $\text{DIA. } 1.50 +0.10/-0$ mm ($.059 +.004/-0$) in.
- Top hole hole diameter: 1.75 mm ($.069$) in.
- Bottom hole hole diameter: 11.5 mm ($.453$) in.
- Bottom hole hole diameter: 24.0 ± 0.3 mm ($.945 \pm .012$) in.
- Bottom hole hole diameter: $1.5 +0.7/-0$ mm ($.059 +.028/-0$) in.
- Bottom hole hole diameter: DIA. MIN. HOLE

Side View Dimensions:

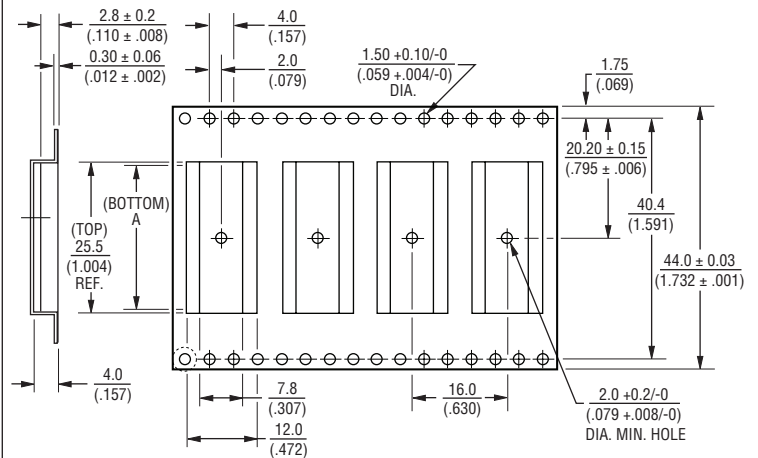
- Overall height: 4.0 mm ($.157$) in.
- Distance from bottom edge to first hole center: 16.0 mm ($.630$) in.

Detail View (BOTTOM) A:

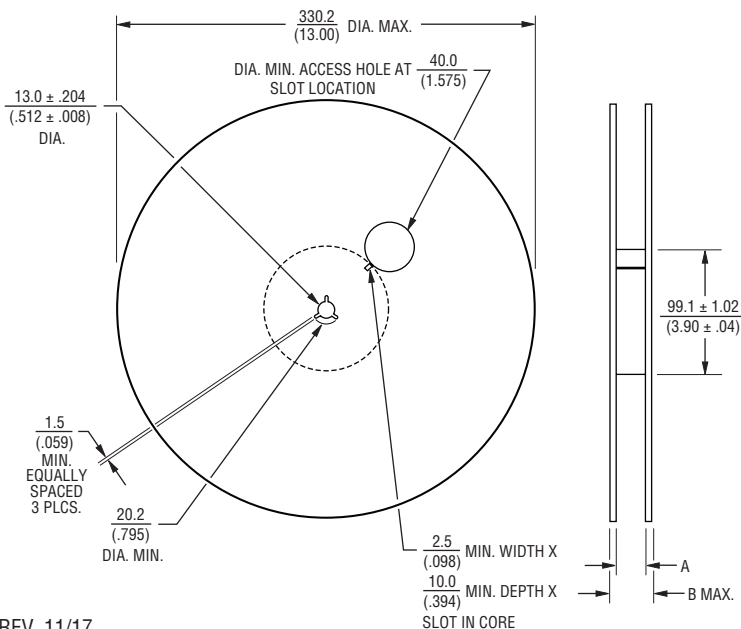
- Overall width: 4.0 mm ($.157$) in.



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

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