



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 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 °C to 125 °C
Mechanical
Durability 5,000 cycles

How to Order

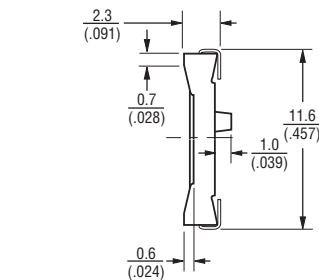
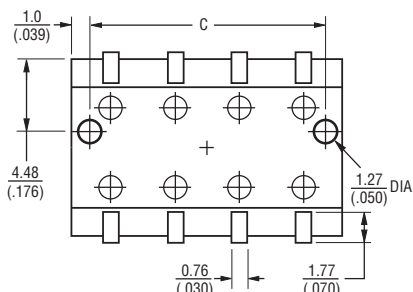
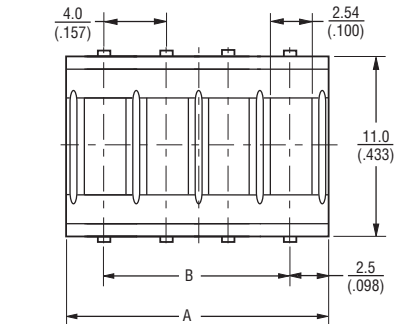
70AD J - 3 - F L 0 G

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)

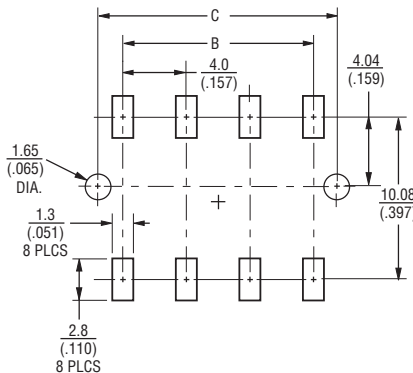
Number of Contacts	Dim. A	Dim. B	Dim. C
2	9.0 (.354)	4.0 (.157)	6.99 (.275)
3	13.0 (.512)	8.0 (.315)	11.0 (.433)
4	17.0 (.669)	12.0 (.472)	15.0 (.591)
5	21.0 (.827)	16.0 (.630)	19.0 (.748)
6	25.0 (.984)	20.0 (.787)	22.9 (.900)

Product Dimensions

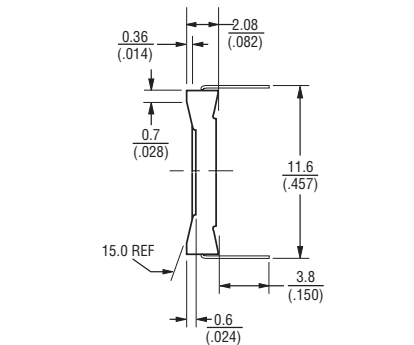
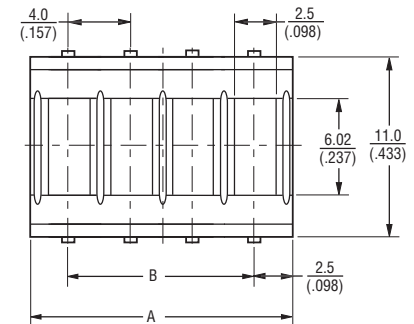
70ADJ



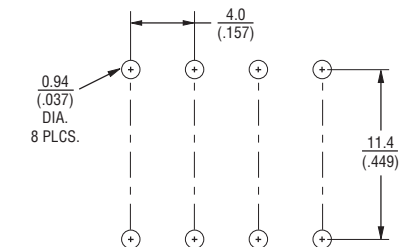
70ADJ RECOMMENDED PWB MOUNTING PATTERN



70ADH



70ADH RECOMMENDED PWB MOUNTING PATTERN



TOLERANCES: ± 0.3 UNLESS OTHERWISE NOTED
(± 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.

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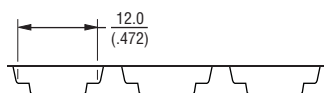
Technical drawing of a 3-hole punch plate. The drawing includes a side view on the left and a top view on the right. Dimensions are given in millimeters (mm) with tolerances.

Side View Dimensions:

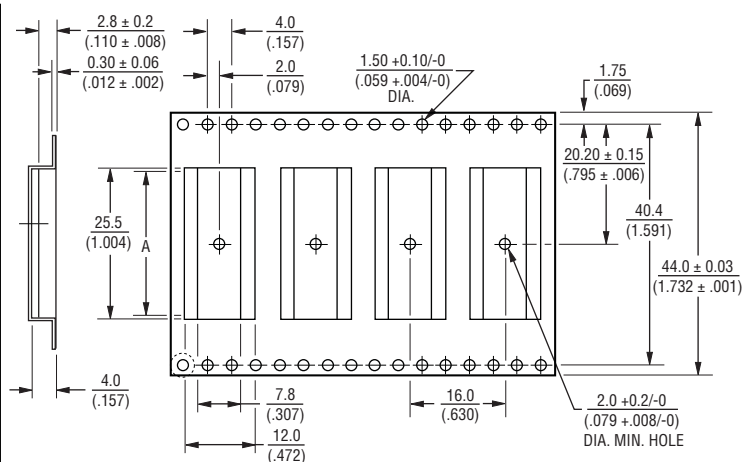
- Hole diameter: 2.6 ± 0.2 ($.102 \pm .008$)
- Hole spacing: 4.0 ($.157$)
- Plate thickness: $1.50 \pm 0.10/0$ ($.059 \pm .004/0$)
- Hole depth: 1.75 ($.069$)
- Distance from edge to hole center: 2.6 ± 0.2 ($.102 \pm .008$)
- Distance from edge to hole center: 0.33 ± 0.3 ($.013 \pm .001$)
- Distance from edge to hole center: 4.0 ($.157$)

Top View Dimensions:

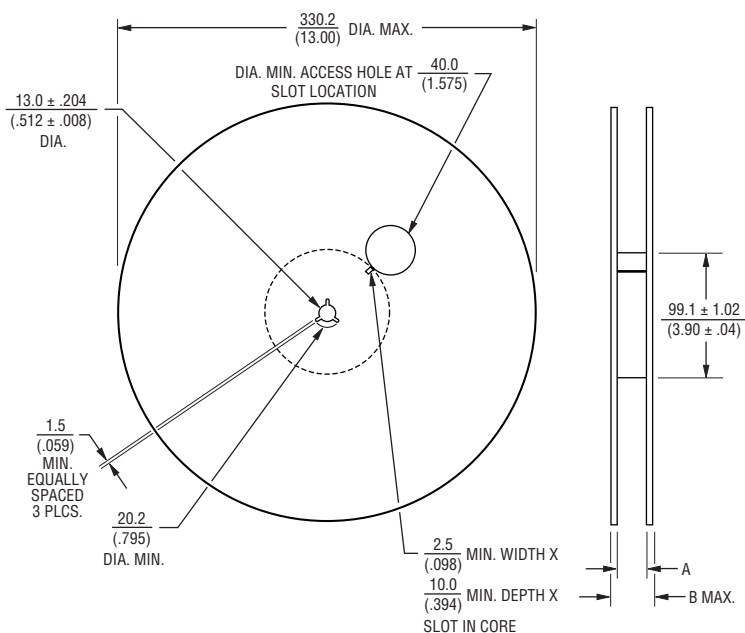
- Hole diameter: 2.6 ± 0.2 ($.102 \pm .008$)
- Hole spacing: 4.0 ($.157$)
- Plate thickness: $1.50 \pm 0.10/0$ ($.059 \pm .004/0$)
- Hole depth: 1.75 ($.069$)
- Distance from edge to hole center: 2.6 ± 0.2 ($.102 \pm .008$)
- Distance from edge to hole center: 0.33 ± 0.3 ($.013 \pm .001$)
- Distance from edge to hole center: 4.0 ($.157$)



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

SLOT IN CORE

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