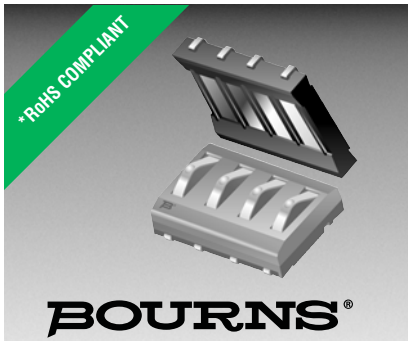




Features

- 4 mm pitch
- Rechargeable battery-pack applications
- Precious metal contacts
- Tape & reel available
- RoHS compliant* - see [processing information](#) on RoHS compliant surface mount components

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 5,000 cycles

How to Order

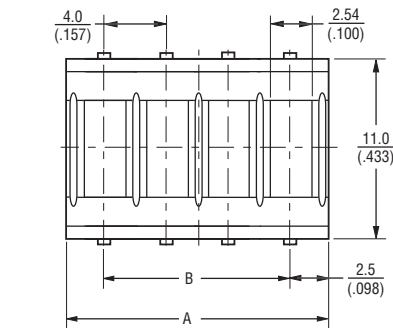
70AD J - 3 - F L 0 G

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)

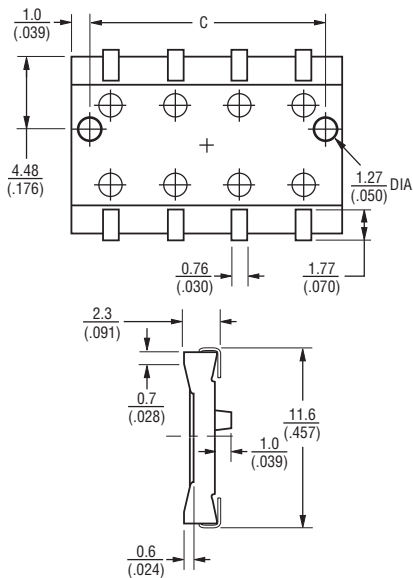
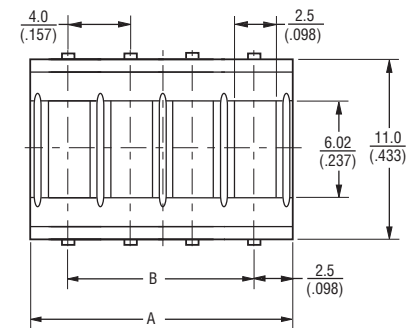
Number of Contacts	Dim. A	Dim. B	Dim. C
2	9.0 (.354)	4.0 (.157)	6.99 (.275)
3	13.0 (.512)	8.0 (.315)	11.0 (.433)
4	17.0 (.669)	12.0 (.472)	15.0 (.591)
5	21.0 (.827)	16.0 (.630)	19.0 (.748)
6	25.0 (.984)	20.0 (.787)	22.9 (.900)

Product Dimensions

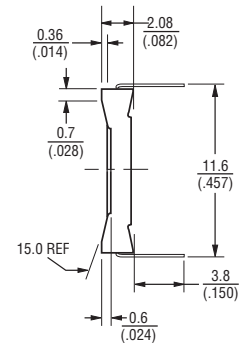
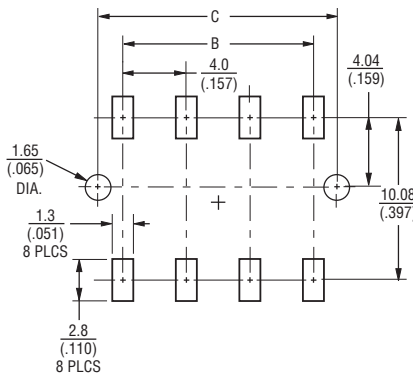
70ADJ



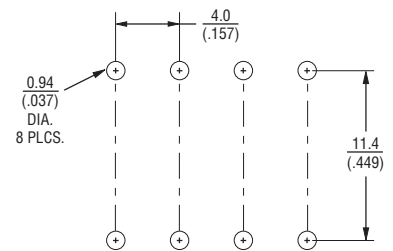
70ADH



70ADJ RECOMMENDED PWB MOUNTING PATTERN



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.

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.

BOURNS®

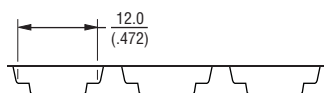
Technical drawing of a 3-hole punch plate. The drawing shows a side view on the left and a top view on the right. Dimensions are given in millimeters (mm) and inches (in).

Side View Dimensions:

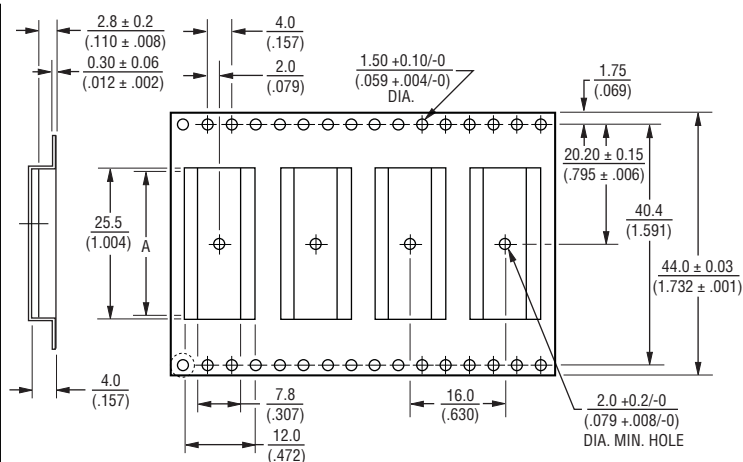
- Top flange width: 2.6 ± 0.2 mm ($.102 \pm .008$) in
- Top flange thickness: 0.33 ± 0.3 mm ($.013 \pm .001$) in
- Overall height: A
- Bottom flange width: 4.0 mm ($.157$) in

Top View Dimensions:

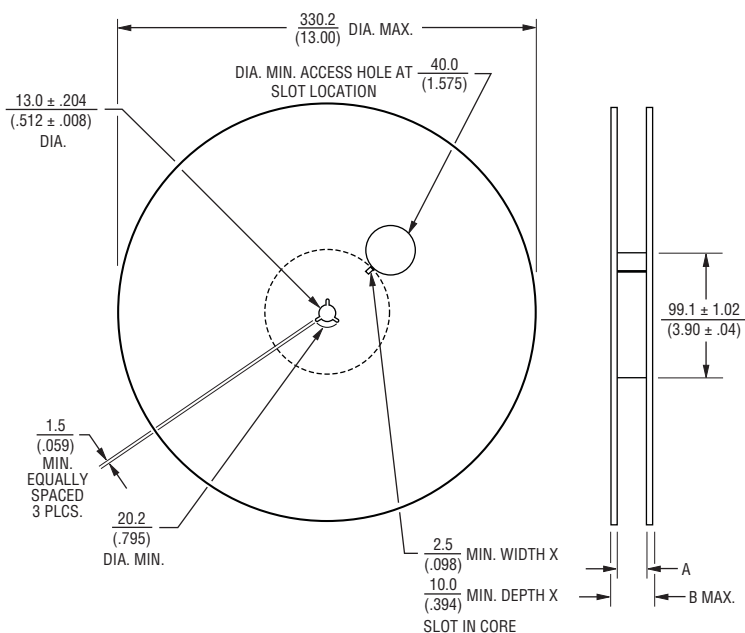
- Overall width: 16.0 mm ($.630$) in
- Distance between hole centers: $1.50 + 0.10/-0$ mm ($.059 + .004/-0$) in
- Hole diameter: $\text{DIA. } 1.50 + 0.10/-0$ mm ($.059 + .004/-0$) in
- Distance from edge to hole center: 1.75 mm ($.069$) in
- Distance from hole center to hole center: 11.5 mm ($.453$) in
- Distance from hole center to hole center: 24.0 ± 0.3 mm ($.945 \pm .012$) in
- Distance from hole center to hole center: $1.5 + 0.7/-0$ mm ($.059 + .028/-0$) in
- Minimum hole diameter: DIA. MIN. HOLE



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. 12/13

SLOT IN CORE

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