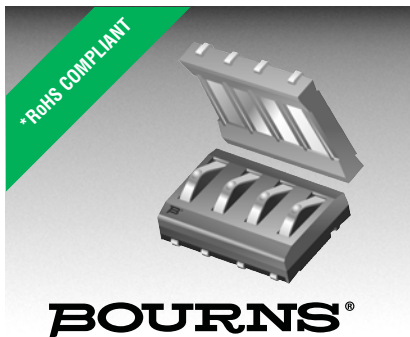




Features

- Low profile
- Rugged design
- Vertical or horizontal entry
- Tape & reel packaging available
- RoHS compliant* - see [processing information](#) on lead free modular contacts

70AD/Male - Modular Contact

Materials & Finishes

Insulator.....Glass reinforced thermoplastic, UL 94V-0 rated, black
 Contact.....Copper alloy
 Finish
 UnderplatingNickel
 Contact Area.....Gold
 TerminationTin alloy
 (meets MIL-STD-202, method 208)

Operating Characteristics

Electrical
 Current Rating.....DC 3 A/contact
 Voltage Rating.....DC 30 V
 Contact Resistance25 mW max.
 Dielectric Voltage.....AC 500 V
 Insulating Resistance.....500 MW min.
 Operating Temperature
-55 °C to 125 °C

Mechanical
 Vibration.....10-55 Hz, 0.06 inches D.A.
 Shock.....50 G, 11 ms
 Normal Force100 grams min.
 at a working height of
 0.51 mm (0.020 in.)
 Durability.....5,000 cycles

Patent No. 5,378,160.

How to Order

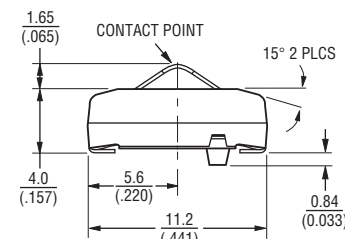
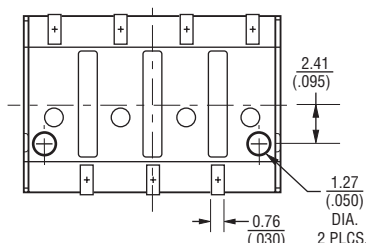
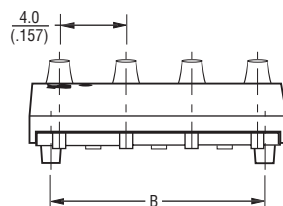
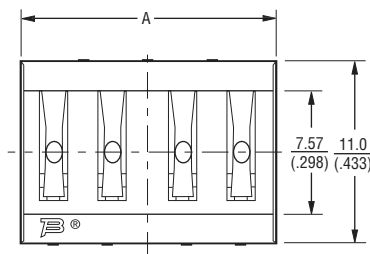
70AD J - 3 - M L 0 G

Model _____
 Terminal Style _____
 J = SMT
 H = Through-hole
 Number of Contacts _____
 2 through 6
 Gender _____
 M = Male
 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)

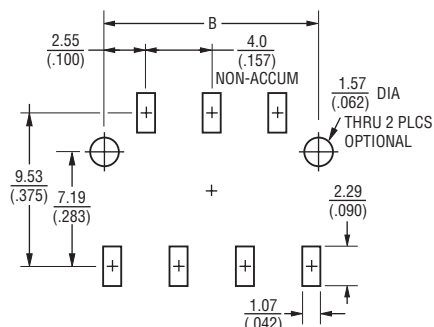
Number of Contacts	Dimension A	Dimension B
2	$\frac{7.7}{(.303)}$	$\frac{5.11}{(.201)}$
3	$\frac{11.7}{(.461)}$	$\frac{9.11}{(.359)}$
4	$\frac{15.7}{(.618)}$	$\frac{13.11}{(.516)}$
5	$\frac{19.7}{(.776)}$	$\frac{17.11}{(.674)}$
6	$\frac{23.7}{(.933)}$	$\frac{21.11}{(.831)}$

Product Dimensions

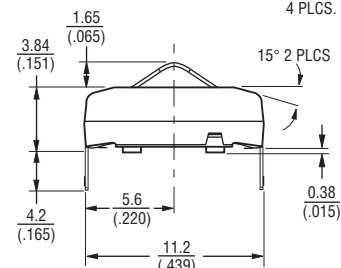
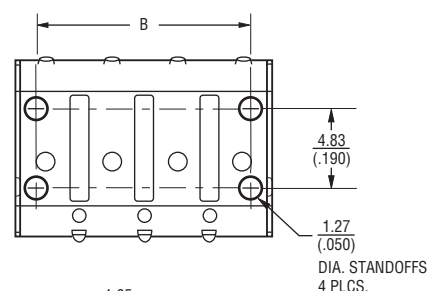
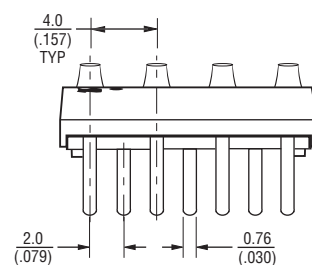
70ADJ



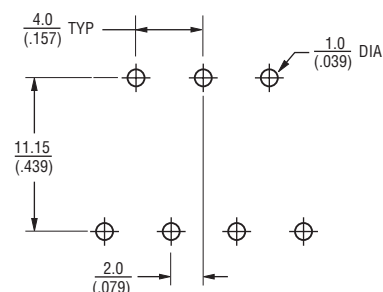
RECOMMENDED PWB MOUNTING PATTERN



70ADH



RECOMMENDED PWB PCB HOLE PATTERN



TOLERANCES: $\frac{0.3}{(.012)}$ UNLESS OTHERWISE NOTED

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

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
 Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

BOURNS®

Technical drawing of a 3-hole plate. The drawing includes a side view on the left and a top view on the right. Dimensions are provided in inches and millimeters.

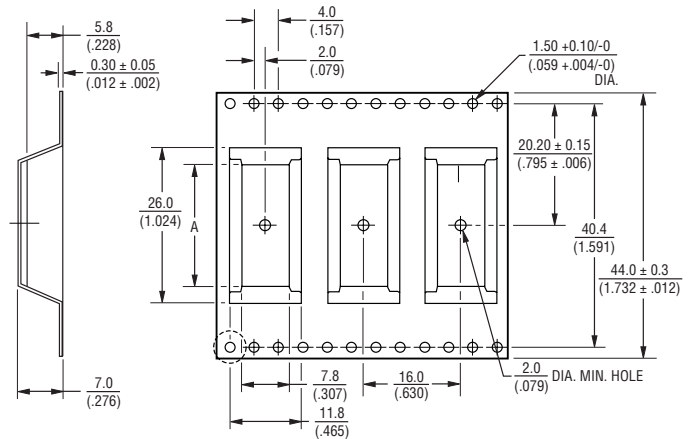
Side View Dimensions:

- Top flange width: 5.8 (.228)
- Top flange thickness: 0.30 ± 0.05 (.012 $\pm$.002)
- Plate thickness: 17.0 (.669)
- Bottom flange width: 7.0 (.276)

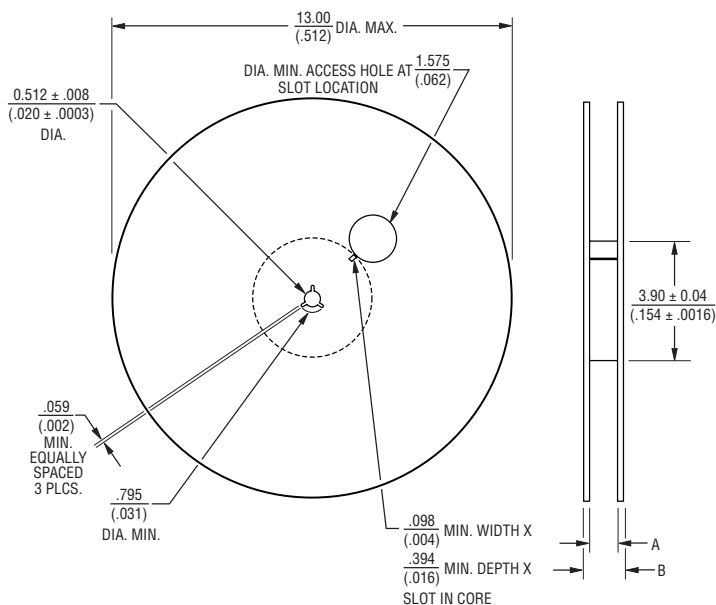
Top View Dimensions:

- Top flange width: 4.0 (.157)
- Top flange thickness: 2.0 (.079)
- Top flange hole diameter: $1.50 + 0.10/-0$ (.059 $\pm$.004/-0)
- Plate thickness: 11.5 (.453)
- Plate thickness: 24.0 ± 0.3 (.945 $\pm$.012)
- Bottom flange width: 1.5 (.059) DIA. MIN. HO
- Bottom flange thickness: 7.8 (.307)
- Bottom flange hole diameter: 16.0 (.630)
- Bottom flange hole diameter: 11.8 (.465)

No. of Contacts	Dimension A
2	$\frac{7.4}{(.291)}$
3	$\frac{11.7}{(.461)}$
4	$\frac{16.7}{(.657)}$



No. of Contacts	Dimension A
5	$\frac{18.87}{(.743)}$
6	$\frac{25.70}{(1.012)}$



No. of Contacts	Dimension A	Dimension B
2	$\frac{.961}{(.038)}$	$\frac{1.197}{(.047)}$
3	$\frac{.961}{(.038)}$	$\frac{1.197}{(.047)}$
4	$\frac{.961}{(.038)}$	$\frac{1.197}{(.047)}$
5	$\frac{1.765}{(.069)}$	$\frac{1.98}{(.078)}$
6	$\frac{1.765}{(.069)}$	$\frac{1.98}{(.078)}$

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

Specifications are subject to change without notice.
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