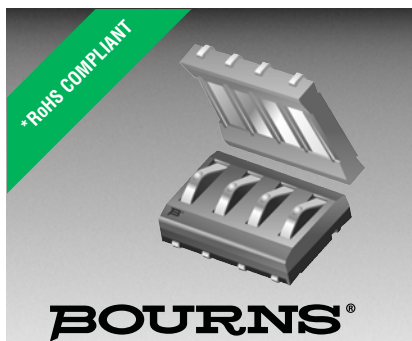




Features

- Low profile
- Rugged design
- Vertical or horizontal entry
- Tape & reel packaging available
- RoHS compliant* - see [processing information](#) on RoHS compliant surface mount components

- For applications/processing guidelines, [click here](#)

70AD/Male - Modular Contact

Materials & Finishes

Insulator.....Glass reinforced thermoplastic, UL 94V-0 rated, black
Contact.....Copper alloy
Finish
Underplating.....30 μ " to 60 μ " 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

Vibration.....10-55 Hz, 0.06 inches D.A.
Shock.....50 G, 11 ms
Normal Force.....100 grams min. at a working height of 0.51 mm (0.020 in.)
Durability.....5,000 cycles

How to Order

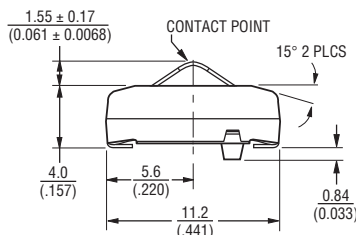
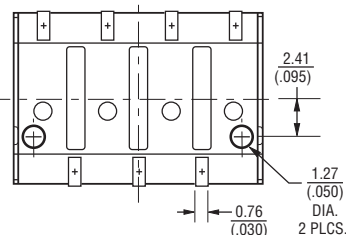
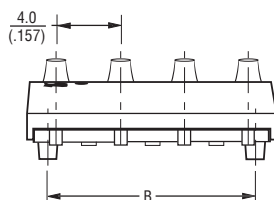
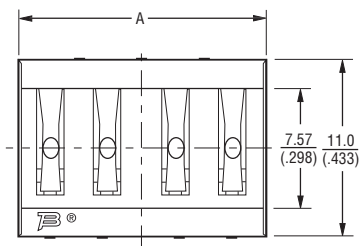
70AD J - 3 - M L 0 G

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 (120/N pcs. or 120 contacts per tube)
G = Embossed Tape (500 pcs. per reel)

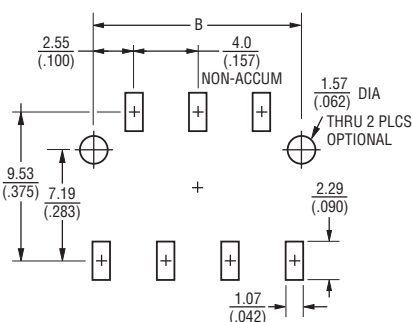
Number of Contacts	Dimension A	Dimension B
2	7.7 (.303)	5.11 (.201)
3	11.7 (.461)	9.11 (.359)
4	15.7 (.618)	13.11 (.516)
5	19.7 (.776)	17.11 (.674)
6	23.7 (.933)	21.11 (.831)

Product Dimensions

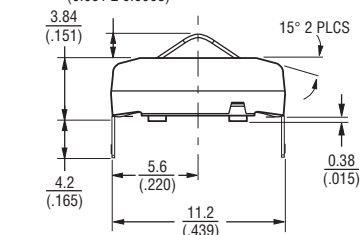
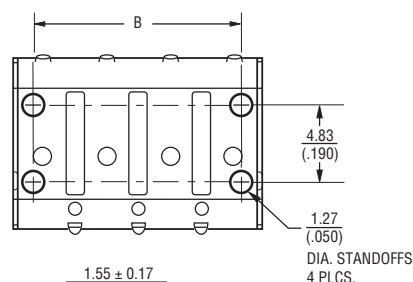
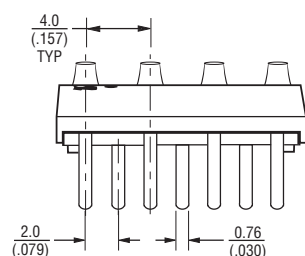
70ADJ



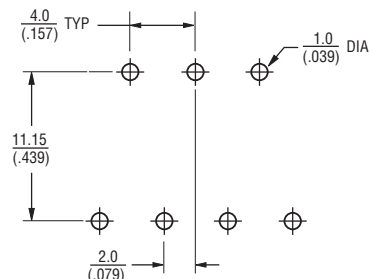
RECOMMENDED PWB MOUNTING PATTERN



70ADH



RECOMMENDED PWB PCB HOLE PATTERN



TOLERANCES: ± 0.3 (± 0.012) 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.

Users should verify actual device performance in their specific applications.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

BOURNS®

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

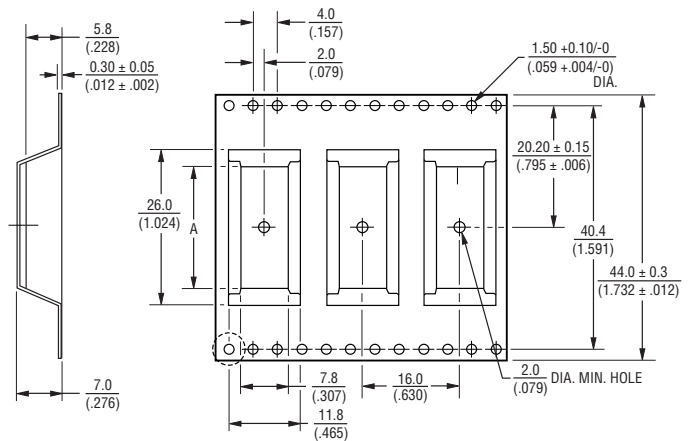
Side View Dimensions:

- Overall width: 5.8 ($.228$)
- Pin width: 0.30 ± 0.05 ($.012 \pm .002$)
- Pin height: 17.0 ($.669$)
- Pin diameter: 7.0 ($.276$)

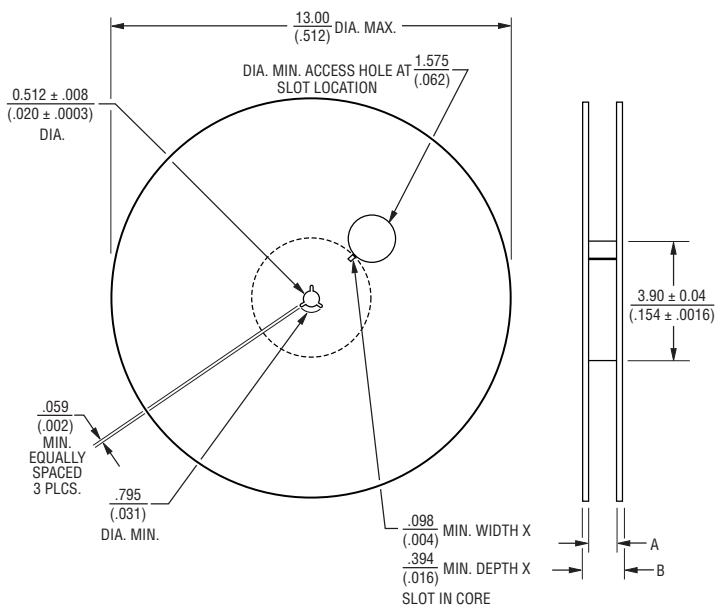
Top View Dimensions:

- Pin pitch (center-to-center): 11.8 ($.465$)
- Pin width: 7.8 ($.307$)
- Pin height: 16.0 ($.630$)
- Pin diameter: 1.5 ($.059$) DIA. MIN. HO
- Overall width: 24.0 ± 0.3 ($.945 \pm .012$)
- Overall height: 11.5 ($.453$)
- Pin diameter: $1.50 \pm 0.10/-0$ ($.059 \pm .004/-0$)

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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The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.