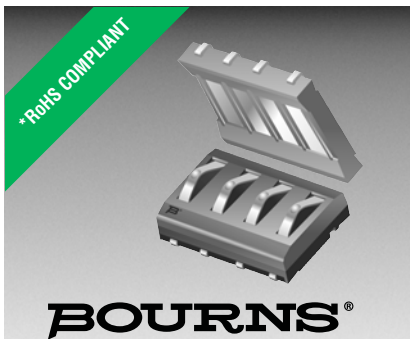




Features

- 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

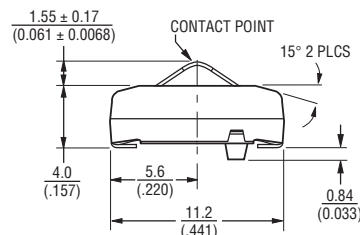
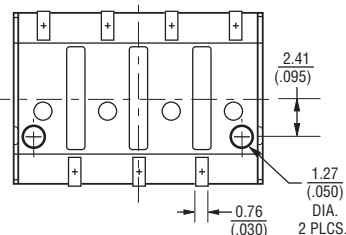
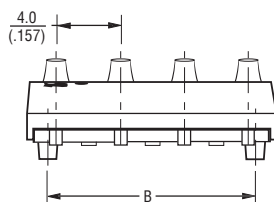
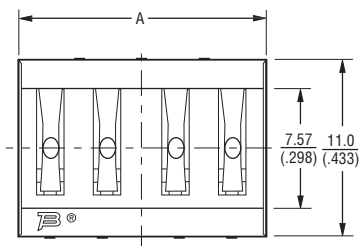
70AD J - 3 - M L 0 G

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)

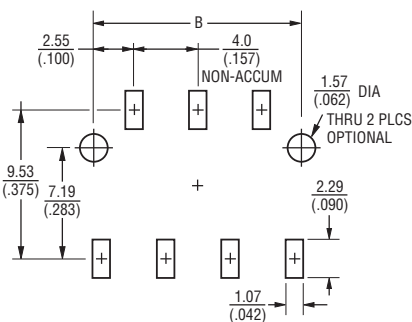
Number of Contacts	Dimension A	Dimension B
2	7.7 (.303)	5.11 (.201)
3	11.7 (.461)	9.11 (.359)
4	15.7 (.618)	13.11 (.516)
5	19.7 (.776)	17.11 (.674)
6	23.7 (.933)	21.11 (.831)

Product Dimensions

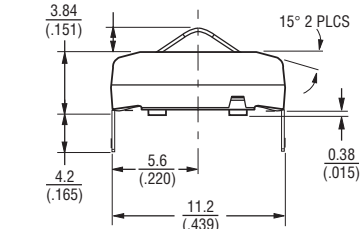
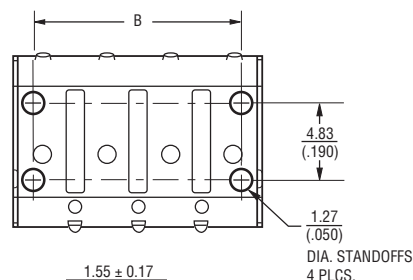
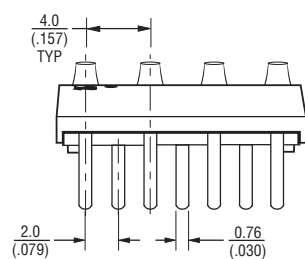
70ADJ



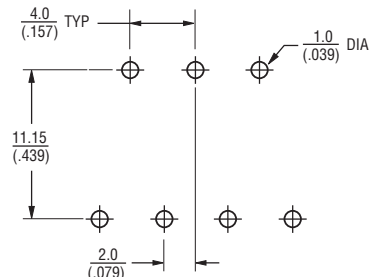
RECOMMENDED PWB MOUNTING PATTERN



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.

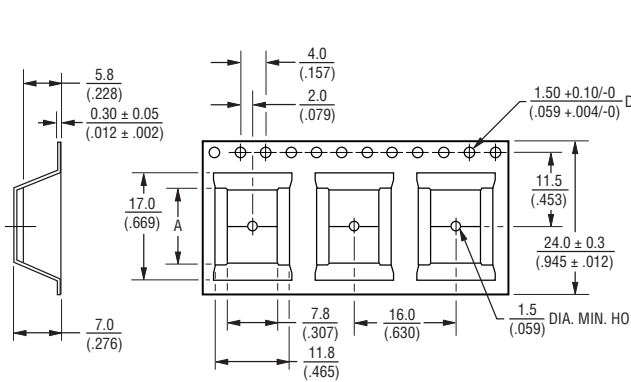
Users should verify actual device performance in their specific applications.

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

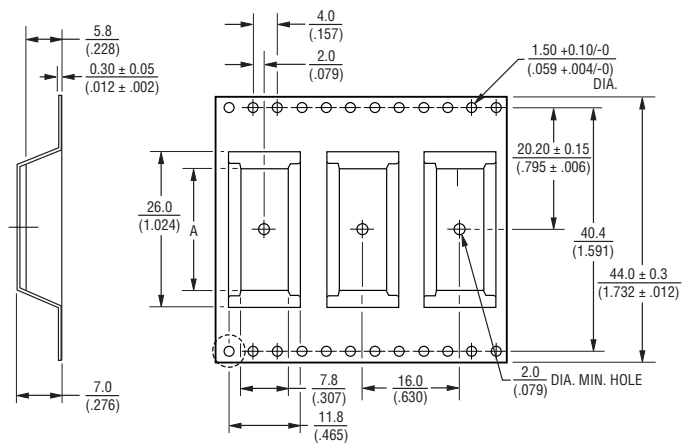
70AD/Male - Modular Contact

BOURNS®

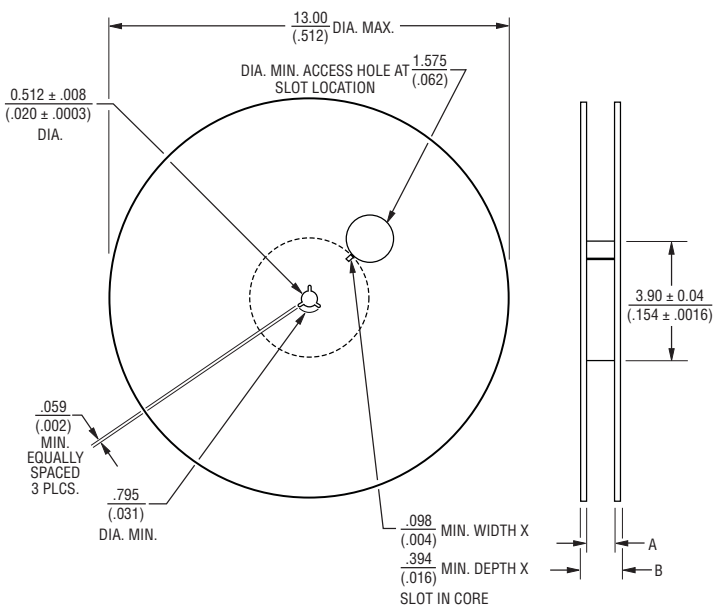
Packaging Specifications



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

REV. 02/13

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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.