



Features

- 4 mm pitch
- Low profile
- Rugged design
- Vertical or horizontal entry
- RoHS compliant* - see [processing information](#) on RoHS compliant surface mount components

■ Halogen free**

70AD/Male - 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

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.....50,000 cycles min.
Contact Resistance after 50,000 Cycles.....50 mΩ
MSL.....1
ESD Rating (HBM).....3B

How to Order

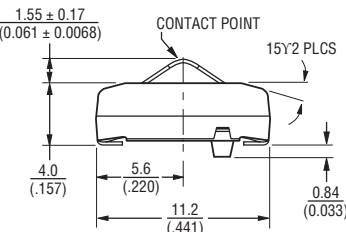
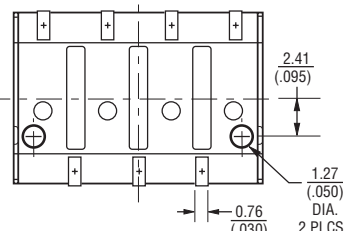
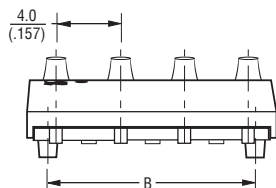
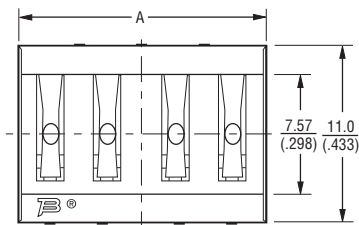
70AD J - 3 - M L 0 G

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)

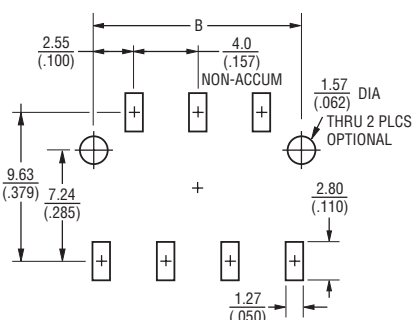
Number of Contacts	Dimension A	Dimension B
2	7.82 (.308)	5.11 (.201)
3	11.82 (.466)	9.11 (.359)
4	15.82 (.623)	13.11 (.516)
5	19.82 (.781)	17.11 (.674)
6	23.83 (.938)	21.11 (.831)

Product Dimensions

70ADJ

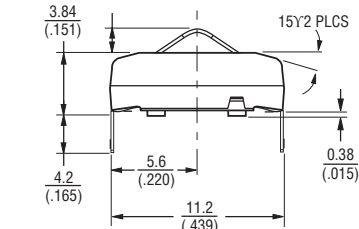
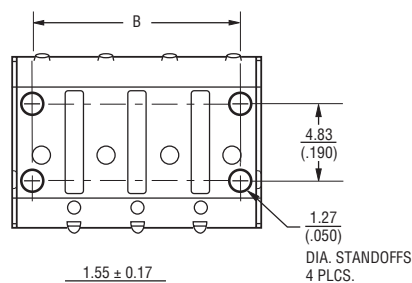
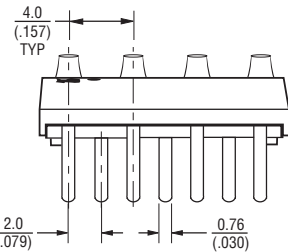


RECOMMENDED PWB MOUNTING PATTERN

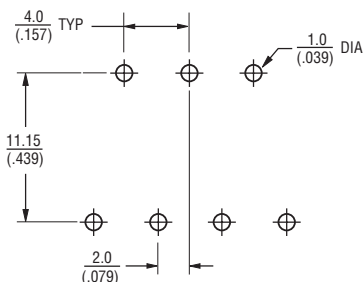


TOLERANCES: ± 0.3 UNLESS OTHERWISE NOTED
(± 0.12)
DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

70ADH



RECOMMENDED PWB PCB HOLE PATTERN



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

* 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.

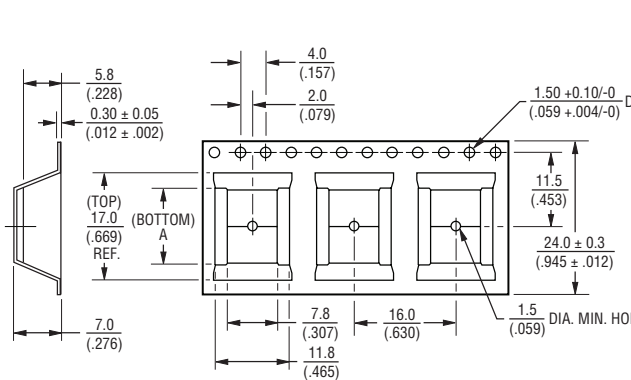
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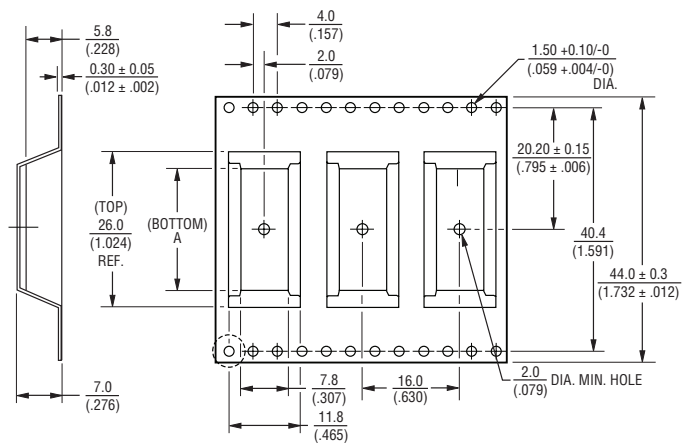
70AD/Male - Modular Contact

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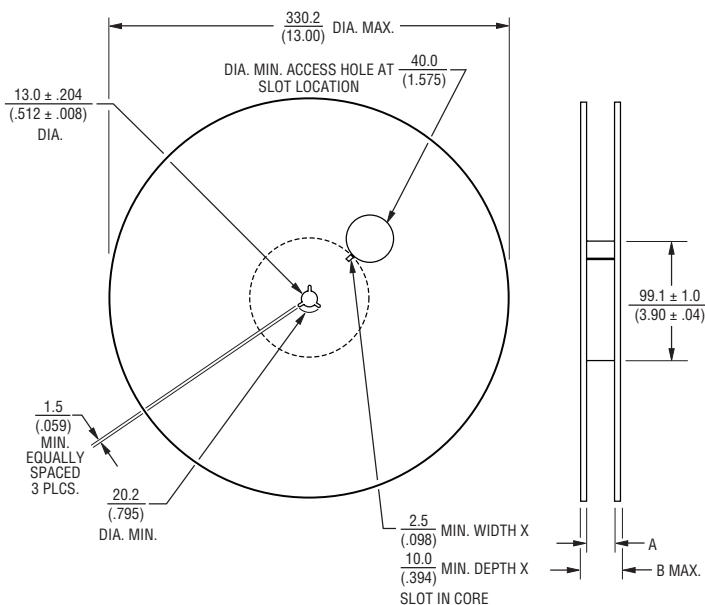
Packaging Specifications



No. of Contacts	Dimension A
2	6.15 (.242)
3	11.7 (.461)
4	16.7 (.657)



No. of Contacts	Dimension A
5	19.4 (.764)
6	25.5 (1.004)



No. of Contacts	Dimension A	Dimension B (Max.)
2	24.41 (.961)	30.40 (1.197)
3	24.41 (.961)	30.40 (1.197)
4	24.41 (.961)	30.40 (1.197)
5	44.83 (1.765)	50.30 (1.98)
6	44.83 (1.765)	50.30 (1.98)

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

REV. 11/17

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