



THE DATASHEET OF 70ADJ-3-ML1



Features

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

- High cycle life - 50,000 cycles
- Halogen free**

70AD/Male – Modular Contact

Additional Information

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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.....30 VDC
Contact Resistance.....25 m Ω max.
Dielectric Voltage.....500 VAC
Insulating Resistance.....500 M Ω min.
Operating Temperature
.....-55 °C to 125 °C

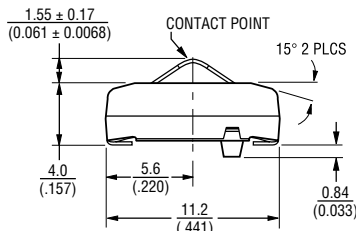
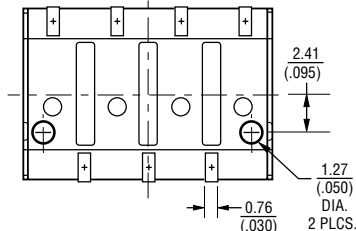
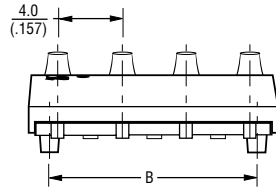
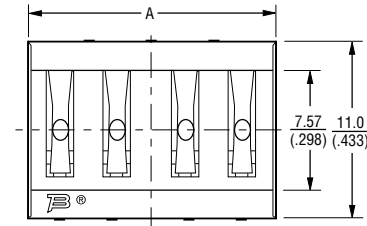
Mechanical

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 m Ω
MSL.....1
ESD Rating (HBM).....3B
Storage Condition
.....40 °C max. / 70 % R.H. max.

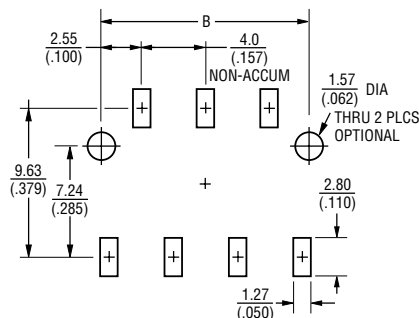
Number of Contacts	Dimension A	Dimension B
2	$\frac{7.82}{(.308)}$	$\frac{5.11}{(.201)}$
3	$\frac{11.82}{(.466)}$	$\frac{9.11}{(.359)}$
4	$\frac{15.82}{(.623)}$	$\frac{13.11}{(.516)}$
5	$\frac{19.82}{(.781)}$	$\frac{17.11}{(.674)}$
6	$\frac{23.83}{(.938)}$	$\frac{21.11}{(.831)}$

Product Dimensions

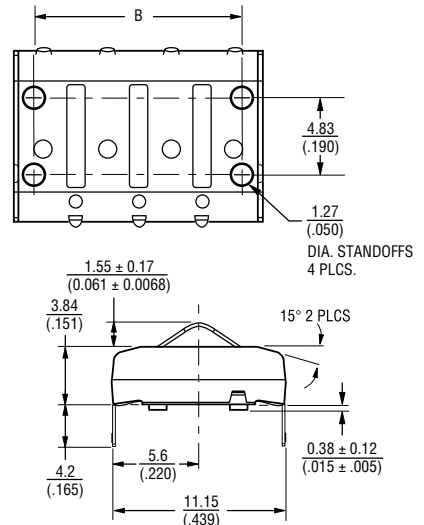
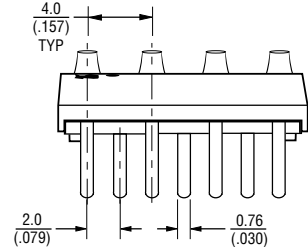
70ADJ



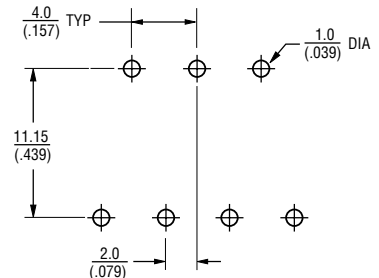
RECOMMENDED PWB MOUNTING PATTERN



70ADH



RECOMMENDED PWB PCB HOLE PATTERN



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

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** 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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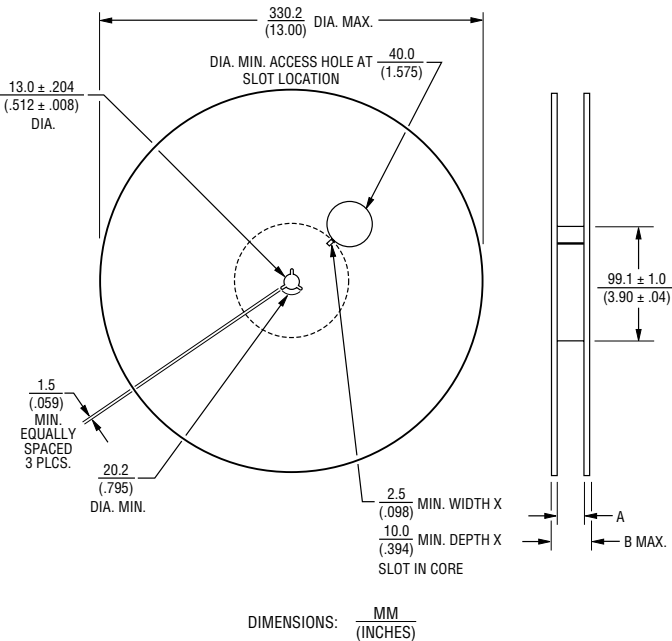
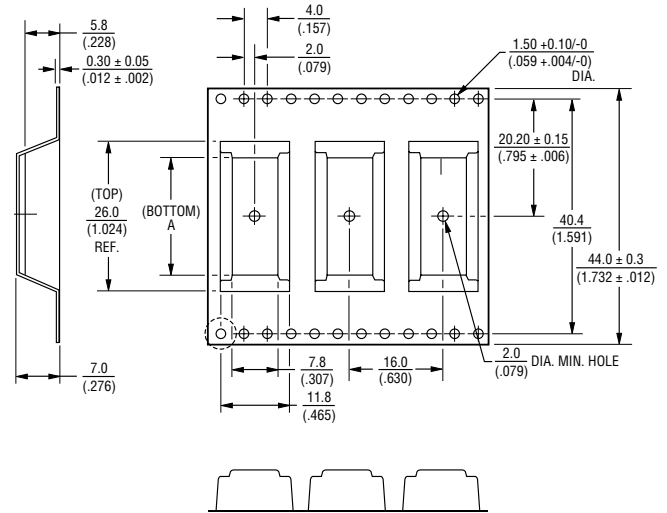
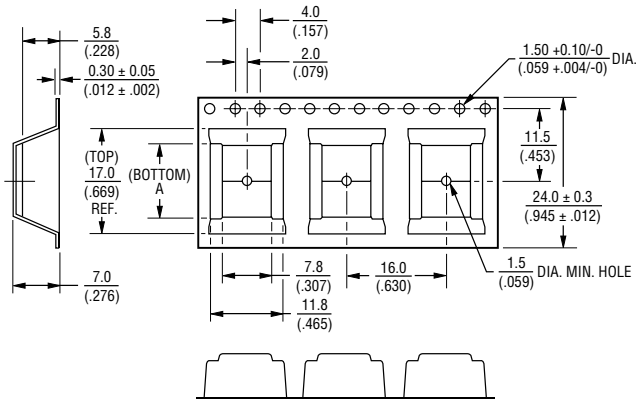
DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

TOLERANCES: $\pm \frac{0.3}{(.012)}$ EXCEPT WHERE NOTED

70AD/Male – Modular Contact

BOURNS®

Packaging Specifications



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)

REV. 02/24

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