

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

Click these links for more information:

PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | 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)

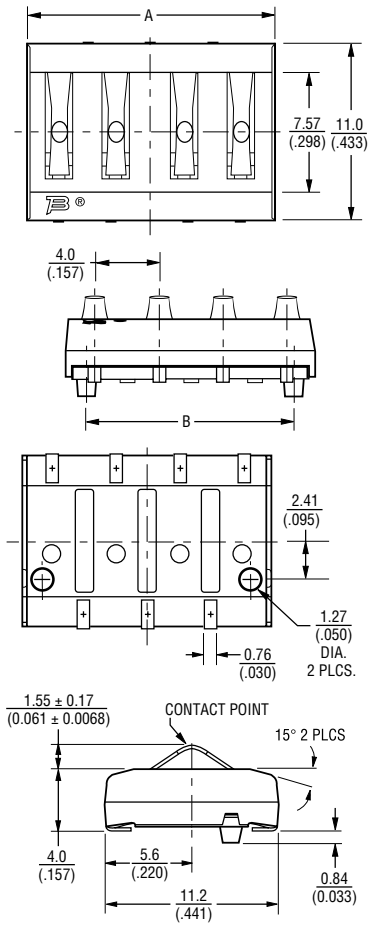
Operating Characteristics

Electrical
Current Rating.....DC 3 A/contact
Voltage Rating..... 30 VDC
Contact Resistance..... 25 mΩ max.
Dielectric Voltage .....500 VAC
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
Storage Condition .....40 °C max. / 70 % R.H. max.

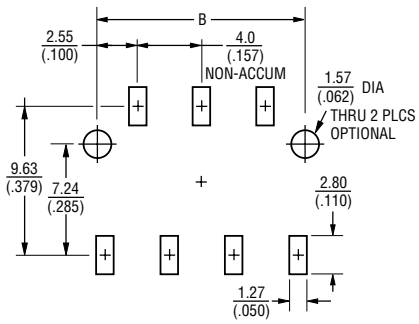
Number of Contacts	Dimension A	Dimension B
2	7.82 (.308)	5.11 (.201)
3	11.82 (.466)	9.11 (.359)
4	15.82 (.623)	13.11 (.516)
5	19.82 (.781)	17.11 (.674)
6	23.83 (.938)	21.11 (.831)

Product Dimensions

70ADJ



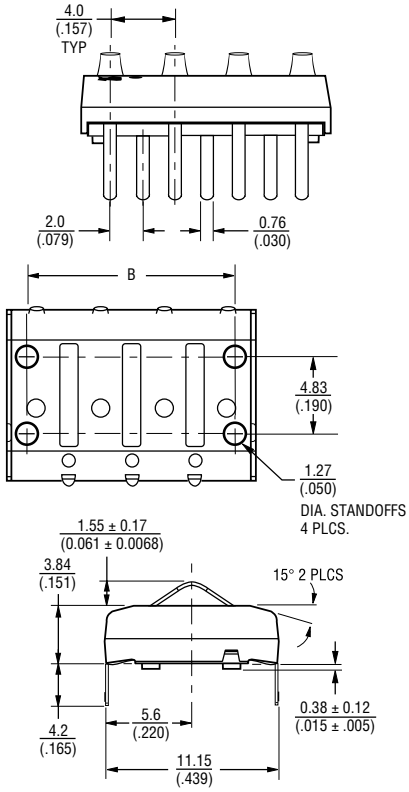
RECOMMENDED PWB MOUNTING PATTERN



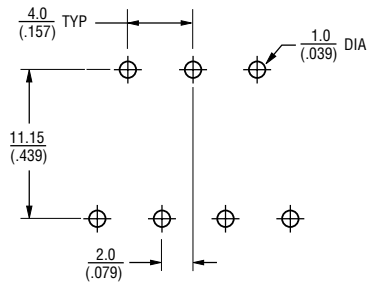
DIMENSIONS: MM (INCHES)

TOLERANCES: ± 0.3 (.012) EXCEPT WHERE NOTED

70ADH



RECOMMENDED PWB PCB HOLE PATTERN



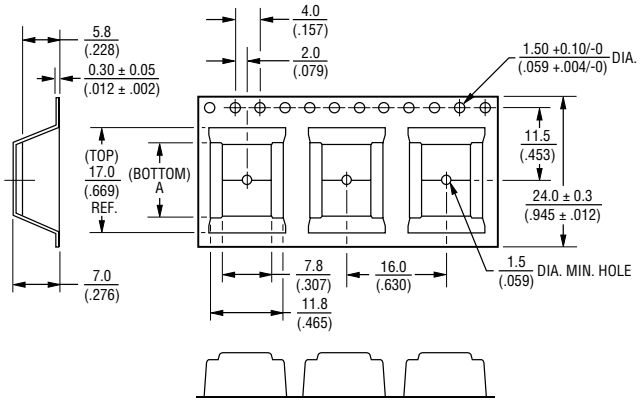
WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

* 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.

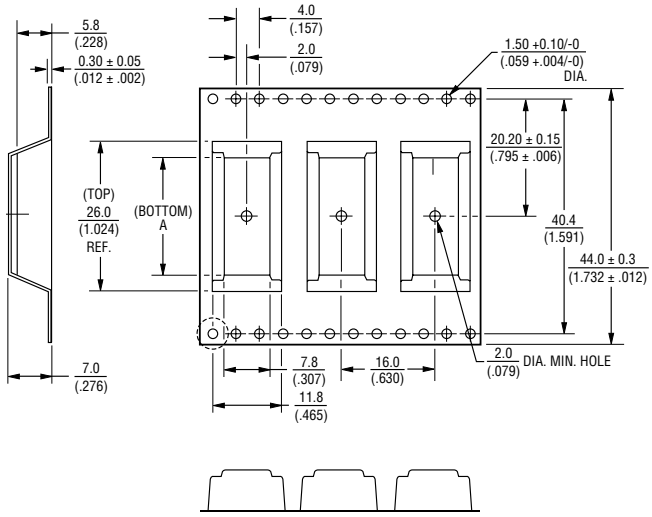
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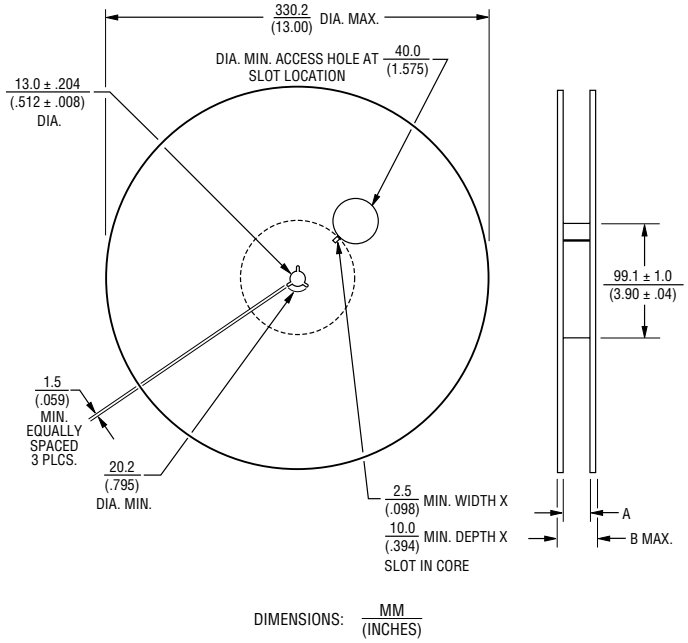
Packaging Specifications



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)



DIMENSIONS: MM (INCHES)

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)

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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