

Features

- 2.54 mm pitch & height
- 2 to 6 precious metal contacts
- End-to-end stackable
- Twin hot contacts (symmetrical pad layout)
- Pick & place compatible
- High cycle life - 50,000 cycles
- RoHS compliant* - see processing information for RoHS compliant surface mount components
- Halogen free**

70AA/Male – Modular Contact

Additional Information

Click these links for more information:

PRODUCT SELECTOR | 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

Operating Characteristics

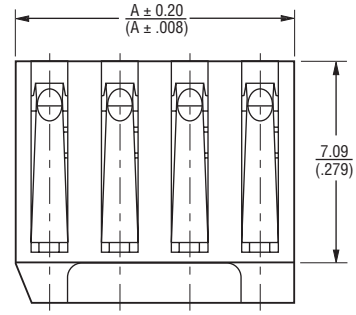
Electrical
Current Rating.....3 A/contact
Voltage Rating..... 60 V
Contact Resistance..... 25 mohms max.
Dielectric Voltage .....500 VAC
Insulating Resistance ... 1000 Mohms min.
Operating Temperature
.....-55 °C to 125 °C
Mechanical
Vibration.....30 G, 10-2K Hz, 0.06 inches D.A.
Shock.....100 G
Normal Force .....80 grams min. at a working height of 0.25 mm (0.010 inches)
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.

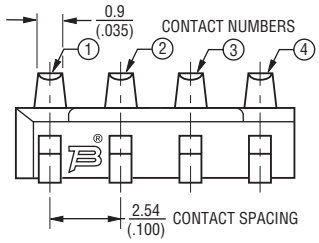
How to Order

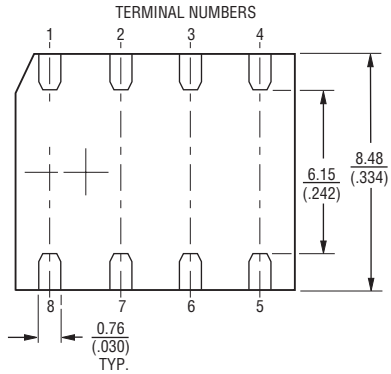
70AA J - 4 - M 0 G

Model
Terminal Style
J = SMT
Number of Contacts (N)
2 through 6
Gender
M = Male
Options
0 = Standard
Packaging Option (MSL-1)
__ = Tube
G = Embossed Tape (1000 pcs. per reel)

Product Dimensions



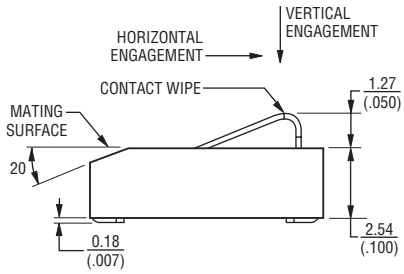




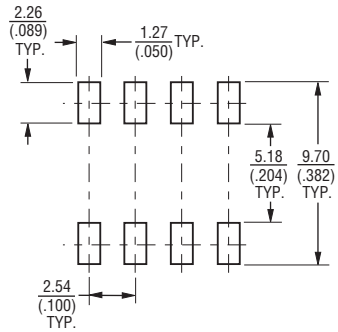
DIMENSIONS: MM / (INCHES)

TOLERANCES: ± 0.3 / (.012) EXCEPT WHERE NOTED

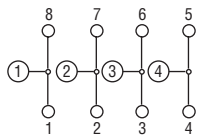
Number of Contacts	Dimension A
2	5.00 / (.197)
3	7.54 / (.297)
4	10.20 / (.397)
5	12.62 / (.497)
6	15.16 / (.597)



Recommended PWB Layout



Electrical Schematic



2-6 POSITIONS AVAILABLE

CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant.
See 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.

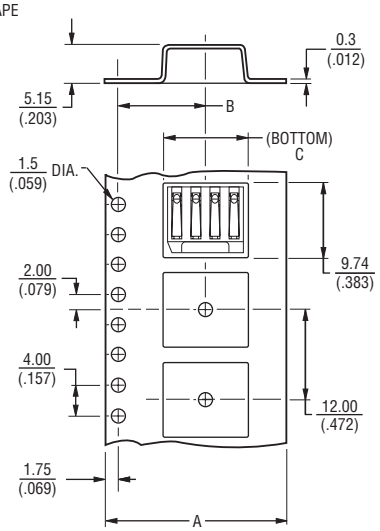
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Users should verify actual device performance in their specific applications.

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Packaging Specifications

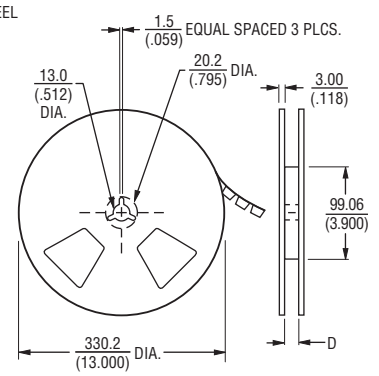
TAPE



No. of Contacts	Dimension A	Dimension B	Dimension C	Dimension D
2	16.0 (.630)	7.5 (.296)	5.32 (.209)	16.4 (.646)
3	16.0 (.630)	7.5 (.296)	7.82 (.308)	16.4 (.646)
4	24.0 (.945)	11.5 (.453)	10.4 (.409)	24.4 (.961)
5	24.0 (.945)	11.5 (.453)	12.95 (.510)	24.4 (.961)
6	24.0 (.945)	11.5 (.453)	15.5 (.610)	24.4 (.961)

DIMENSIONS: MM (INCHES)

REEL



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