



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

- RoHS compliant* - see [processing information](#) for RoHS compliant surface mount components
- Halogen free**

70AA/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

Operating Characteristics

Electrical
Current Rating..... 3 A/contact
Voltage Rating.....60 V
Contact Resistance..... 25 mohms max.
Dielectric VoltageAC 500 V
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 m Ω
MSL 1
ESD Rating (HBM)3B

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 (750 pcs. per reel)

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

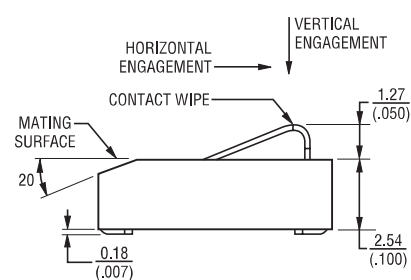
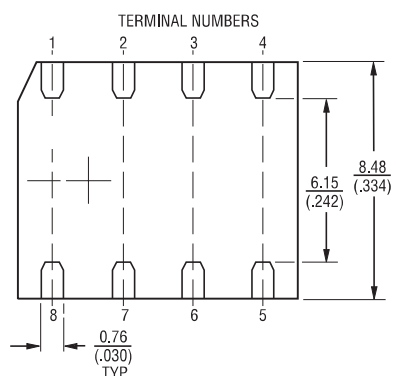
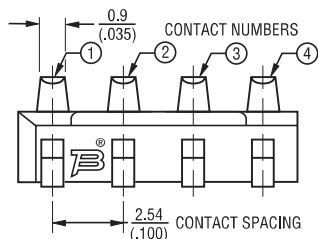
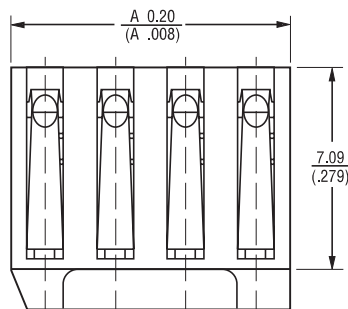
** Bourns considers a product to be "halogen free" if
(a) the Bromine (Br) content is 900 ppm or less;
(b) the Chlorine (Cl) content is 900 ppm or less; and
(c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Specifications are subject to change without notice.

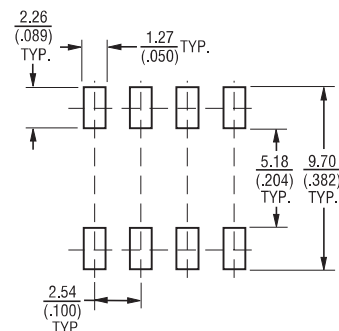
Users should verify actual device performance in their specific applications.

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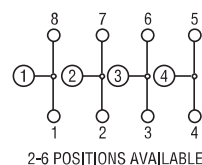
Product Dimensions



Recommended PWB Layout



Electrical Schematic



Number of Contacts	Dimension A
2	$\frac{5.00}{(.197)}$
3	$\frac{7.54}{(.297)}$
4	$\frac{10.20}{(.397)}$
5	$\frac{12.62}{(.497)}$
6	$\frac{15.16}{(.597)}$

TOLERANCES: ± 0.3 (± 0.12) UNLESS OTHERWISE NOTED

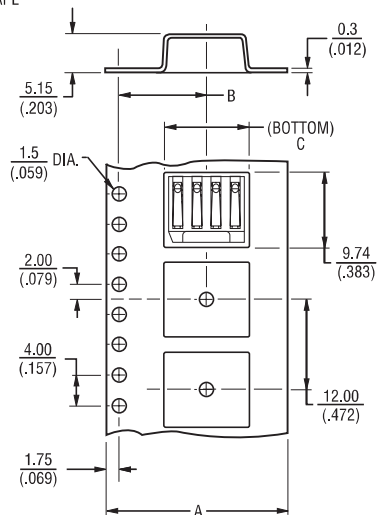
DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

70AA/Male - Modular Contact

BOURNS®

Packaging Specifications

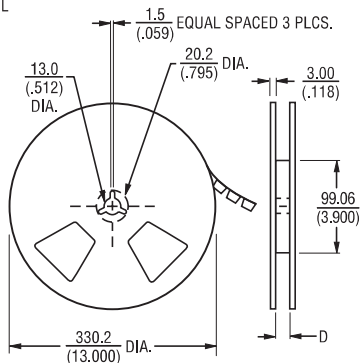
TAPE



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

REEL



REV. 11/17

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