



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

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Materials & Finishes

Insulator..... Glass reinforced thermoplastic,
UL 94V-0 rated, black

ContactCopper 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 Voltage500 VAC

Insulating Resistance ... 1000 Mohms min.

Operating Temperature

.....-55 $^{\circ}$ C to 125 $^{\circ}$ 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

Storage Condition

.....40 $^{\circ}$ C max. / 70 % R.H. max.

How to Order

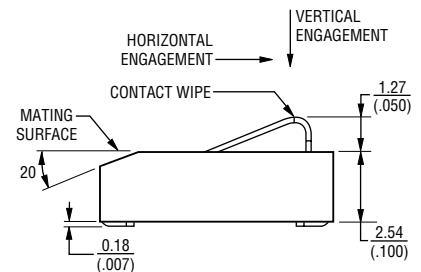
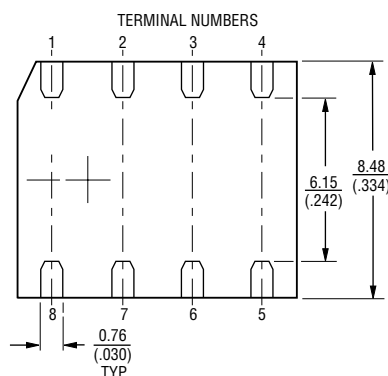
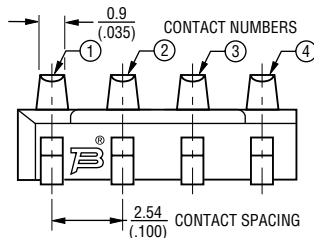
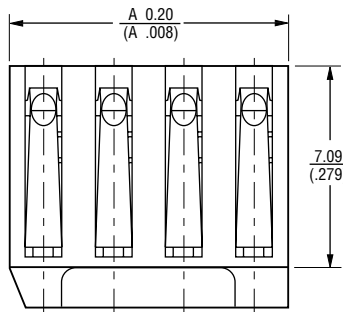
70AA J - 4 - M 0 G

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 (750 pcs. per reel)

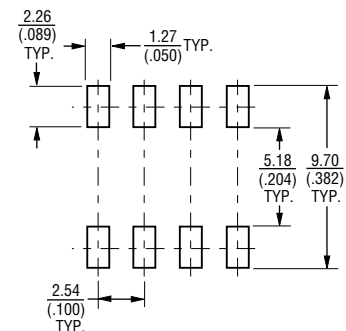


**WARNING Cancer
and Reproductive Harm**
www.P65Warnings.ca.gov

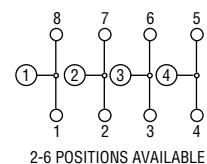
Product Dimensions



Recommended PWB Layout



Electrical Schematic



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

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

*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.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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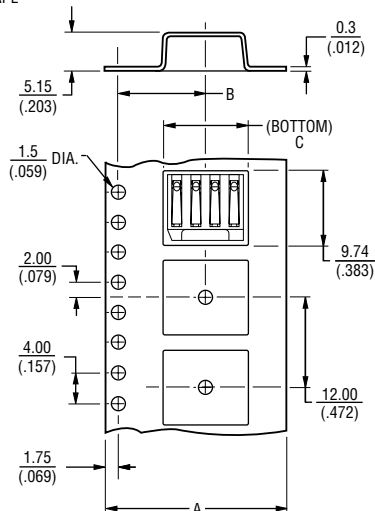
Number of Contacts	Dimension A
2	5.00 (.197)
3	7.54 (.297)
4	10.20 (.397)
5	12.62 (.497)
6	15.16 (.597)

70AA/Male – Modular Contact

BOURNS®

Packaging Specifications

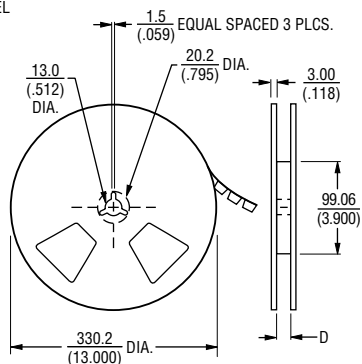
TAPE



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



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REV. 02/24

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