

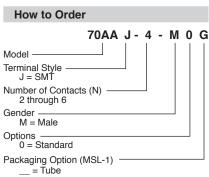
### Features

- 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

## 70AA/Male - Modular Contact

#### Materials & Finishes

Insulator Glass	reinforced thermoplastic, UL 94V-0 rated, black
Contact Finish	Copper alloy
	30 μ" min. Ni 30 μ" min. Au over Ni
<b>Operating Cha</b>	racteristics
Electrical	
Voltage Rating Contact Resista Dielectric Voltag Insulating Resist Operating Temp	
Mechanical	
Vibration	
Shock Normal Force	0.06 inches D.A. 
Durability	50,000 cycles min.
Contact Resistance	, ,
	50 mΩ
	1
ESD Rating (HBM	)3B



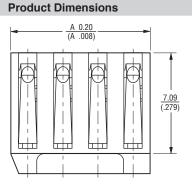
 $\overline{G}$  = Embossed Tape (750 pcs. per reel)

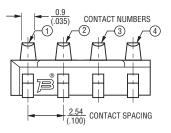
- \* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
- \*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

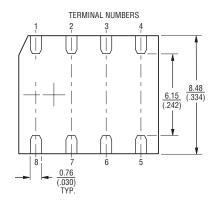
Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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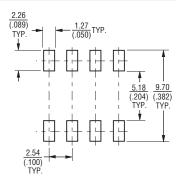


Number of Contacts	Dimension A	
2	<u>5.00</u> (.197)	
3	<u>7.54</u> (.297)	
4	<u>10.20</u> (.397)	
5	<u>12.62</u> (.497)	
6	<u>15.16</u> (.597)	

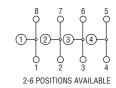
- RoHS compliant\* see processing information for RoHS compliant surface mount components
- Halogen free\*\*

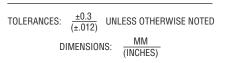
HORIZONTAL ENGAGEMENT CONTACT WIPE 20 0 1 0.18 (.007) VERTICAL ENGAGEMENT (.050) 2.54 (.100)

### **Recommended PWB Layout**



#### **Electrical Schematic**

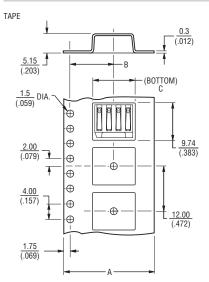




## 70AA/Male - Modular Contact

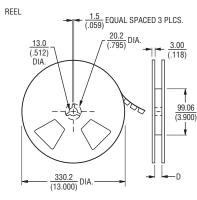
### BOURNS®

#### **Packaging Specifications**



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

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



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