

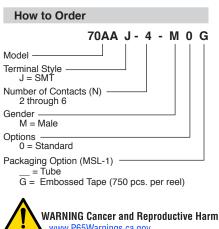
Features

- 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	Copper alloy
Finish	
Underplating	30 μ" min. Ni
Contact Area	30 µ" min. Au over Ni
Operating Cha	racteristics
Electrical	
Current Rating	3 A/contact
Contact Resista	nce 25 mohms max.
Dielectric Voltag	eAC 500 V
Insulating Resist	ance 1000 Mohms min.
Operating Temp	erature
	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	
50,000 Cycles	50 mΩ
	1
ESD Rating (HBM)3B



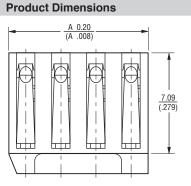
www.P65Warnings.ca.gov

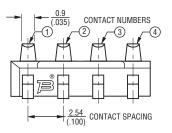
- * RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
- * Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (CI) content is 900 ppm or less; and
- (c) the total Bromine (Br) and Chlorine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

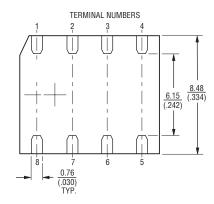
Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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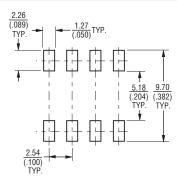


Number of Contacts	Dimension A
2	<u>5.00</u> (.197)
3	<u>7.54</u> (.297)
4	<u>10.20</u> (.397)
5	<u>12.62</u> (.497)
6	<u>15.16</u> (.597)

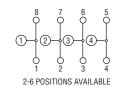
- RoHS compliant* see processing information for RoHS compliant surface mount components
- Halogen free**

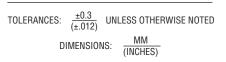
HORIZONTAL ENGAGEMENT CONTACT WIPE 20 0.18 (.007) VERTICAL ENGAGEMENT (.050) 2.54 (.100)

Recommended PWB Layout



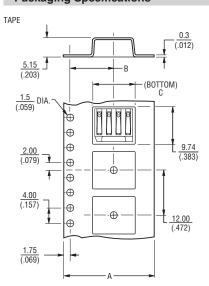
Electrical Schematic





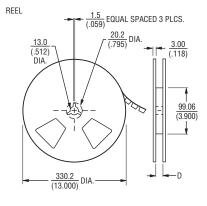
70AA/Male - Modular Contact

Packaging Specifications



No. of	Dimension	Dimension	Dimension	Dimension
Contacts	A	B	C	D
2	<u>16.0</u>	7.5	<u>5.32</u>	<u>16.4</u>
	(.630)	(.296)	(.209)	(.646)
3	<u>16.0</u>	7.5	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>	12.95	<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)

MM DIMENSIONS: (INCHES)



REV. 11/17

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