

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**

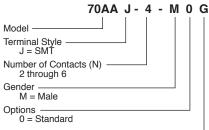
70AA/Male - Modular Contact

Materials & Finishes

Insulator.... Glass reinforced thermoplastic, UL 94V-0 rated, black 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
Contact Resistance 25 mohms max. Dielectric VoltageAC 500 V
Insulating Resistance 1000 Mohms min. Operating Temperature
55 °C to 125 °C
Mechanical
Vibration30 G, 10-2K Hz,
0.06 inches D.A.
Shock100 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
MSL1
ESD Rating (HBM)3B

How to Order



Packaging Option (MSL-1)

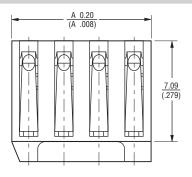
G = Embossed Tape (750 pcs. per reel)

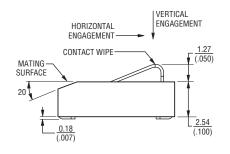
- RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
- ** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (CI)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

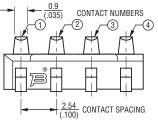


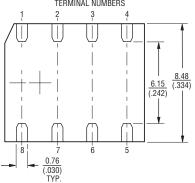


9.70

Recommended PWB Layout

TYP





(.100)	ONTACT SPA NUMBERS 3 4	CING		2.54 (.100) TYP.	 - 	}-[(.20 TY
	IJ [†					
	į į	1		Electric	al So	chen	natic	
_		6.15	8.48 (.334)		8	7	6	5

8 P	7 9	6 O	5 O
1 2	→3	4)—
0	02	0	0
2-6 POSI	TIONS	AVAILA	ABLE

MM

Number of Dimension **Contacts** Α UNLESS OTHERWISE NOTED TOLERANCES: 5.00 2 DIMENSIONS: (.197)(INCHES) 7.54 3 (.297)10.20 4 (.397)

12.62

(.497)

15.16

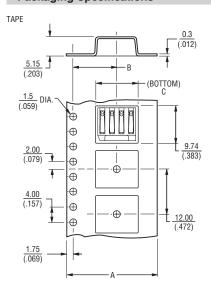
(.597)

5

6

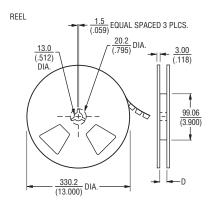
70AA/Male - Modular Contact

Packaging Specifications



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

MM DIMENSIONS: (INCHES)



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