

### **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

#### **Additional Information**

Click these links for more information:





LIBRARY







CONTACT

# 70AA/Female – Modular Contact

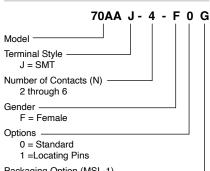
## **Materials & Finishes**

Insulator Glas	s 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**

<b>9</b>
Electrical
Current Rating3 A/contact
Voltage Rating 60 V
Contact Resistance 30 mohms max.
Dielectric Voltage500 VAC
Insulating Resistance 1000 Mohms min.
Operating Temperature
55 °C to 125 °C
Mechanical
Durability50,000 cycles min.
Contact Resistance after
50,000 Cycles 50 mΩ
MSL1
ESD Rating (HBM)3B
Storage Condition
40 °C max. / 70 % R.H. max.

### **How to Order**



- Packaging Option (MSL-1) -
  - \_\_ = Tube (240/N pcs. or 240 contacts per tube)
  - G = Embossed Tape (750 pcs. per reel)



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

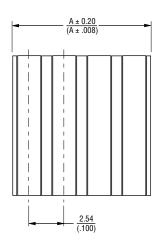
RoHS Directive 2015/863, Mar 31, 2015 and Annex.

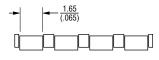
\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (CI) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (CI) content is 1500 ppm or less.

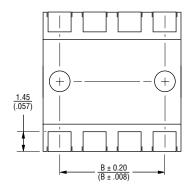
Specifications are subject to change without notice. Users should verify actual device performance in their specific applications.

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#### **Product Dimensions**

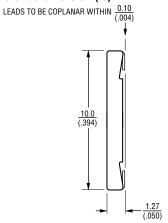




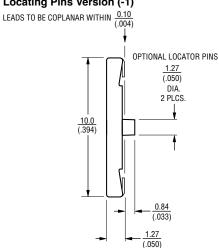


Number of Contacts	Dimension A	Dimension B
2	4.98 (.196)	<u>2.54</u> (.100)
3	7.52 (.296)	<u>5.08</u> (.200)
4	10.06 (.396)	7.62 (.300)
5	12.60 (.496)	10.16 (.400)
6	15.14 (.596)	12.70 (.500)

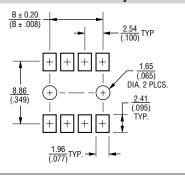
#### Standard Version (-0)



#### Locating Pins Version (-1)



#### **Recommended PWB Layout**



(INCHES)

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

DIMENSIONS:

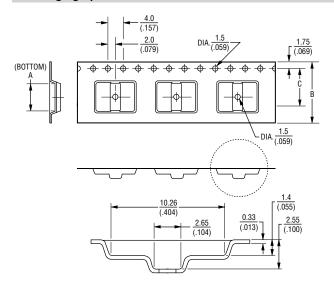
## **Features (Continued)**

- RoHS compliant\* see <u>processing information</u> for RoHS compliant surface mount components
- Halogen free\*\*

# 70AA/Female – Modular Contact

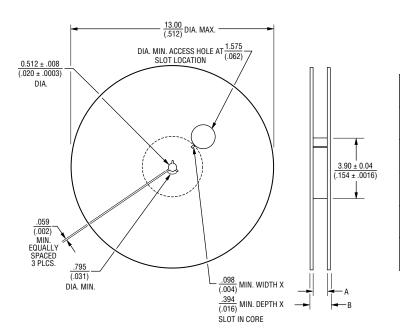
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## **Packaging Specifications**



No. of Contacts	Dimension	Dimension	Dimension
	A	B	C
2	<u>5.23</u>	16.0	7.5
	(.206)	(.630)	(.295)
3	7.77	16.0	<u>7.5</u>
	(.306)	(.630)	(.295)
4	10.31	24.0	11.5
	(.406)	(.945)	(.453)
5	12.85	24.0	11.5
	(.506)	(.945)	(.453)
6	15.39	24.0	11.5
	(.606)	(.945)	(.453)

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



No. of Contacts	Dimension A	Dimension B (Max.)
2	<u>.646</u> (.025)	<u>.882</u> (.035)
3	.646 (.025)	<u>.882</u> (.035)
4	<u>.961</u> (.038)	1.197 (.047)
5	<u>.961</u> (.038)	1.197 (.047)
6	<u>.961</u> (.038)	1.197 (.047)

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