

#### **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**

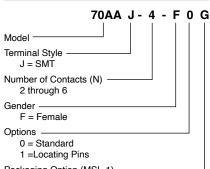
#### **Operating Characteristics**

#### Electrical Current Rating......3 A/contact Voltage Rating...... 60 V Contact Resistance...... 30 mohms max. Dielectric Voltage ......500 VAC Insulating Resistance ... 1000 Mohms min. Operating Temperature .....-55 °C to 125 °C Mechanical Durability.....50,000 cycles min. Contact Resistance after 50,000 Cycles ......50 m $\Omega$ MSL .....1

......40 °C max. / 70 % R.H. max.

#### **How to Order**

Storage Condition



- 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

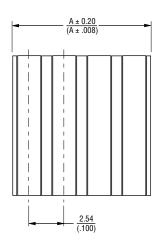
RoHS Directive 2015/863, Mar 31, 2015 and Annex.

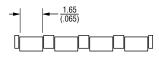
\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (CI) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (CI) content is 1500 ppm or less.

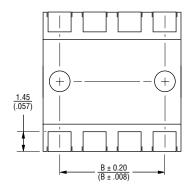
Specifications are subject to change without notice. Users should verify actual device performance in their specific applications.

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#### **Product Dimensions**

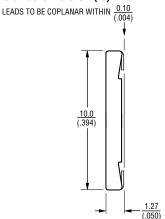




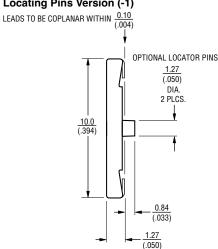


Number of Contacts	Dimension A	Dimension B
2	4.98	2.54
	(.196)	(.100)
3	7.52	5.08
	(.296)	(.200)
4	10.06	7.62
	(.396)	(.300)
5	12.60	10.16
	(.496)	(.400)
6	15.14	12.70
	(.596)	(.500)

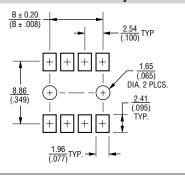
#### Standard Version (-0)



#### Locating Pins Version (-1)



#### **Recommended PWB Layout**



DIMENSIONS:

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

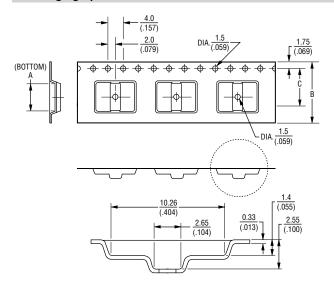
### **Features (Continued)**

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

# 70AA/Female – Modular Contact

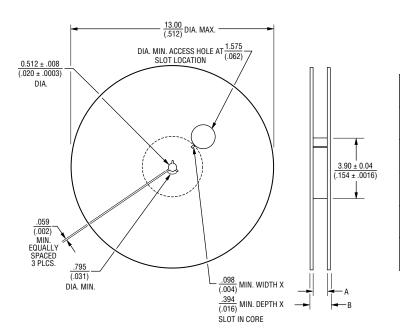
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### **Packaging Specifications**



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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