



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:



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INVENTORY



SAMPLES



CONTACT

70AA/Female – 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..... 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 mΩ
MSL 1
ESD Rating (HBM) 3B
Storage Condition
.....40 °C max. / 70 % R.H. max.

How to Order

70AA J - 4 - F 0 G

Model _____
Terminal Style _____
J = SMT
Number of Contacts (N) _____
2 through 6
Gender _____
F = Female
Options _____
0 = Standard
1 = Locating Pins
Packaging Option (MSL-1) _____
___ = Tube (240/N pcs. or 240 contacts
per tube)
G = Embossed Tape (1000 pcs. per reel)

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

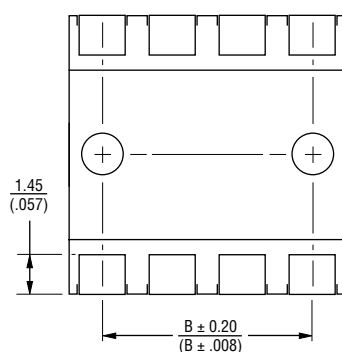
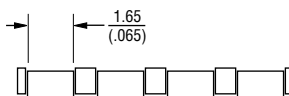
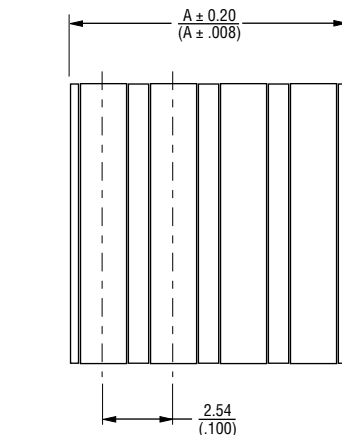
** Bourns considers a product to be "halogen free" if
(a) the Bromine (Br) content is 900 ppm or less;
(b) the Chlorine (Cl) content is 900 ppm or less; and
(c) the total Bromine (Br) and Chlorine (Cl) content
is 1500 ppm or less.

Specifications are subject to change without notice.

Users should verify actual device performance in their
specific applications.

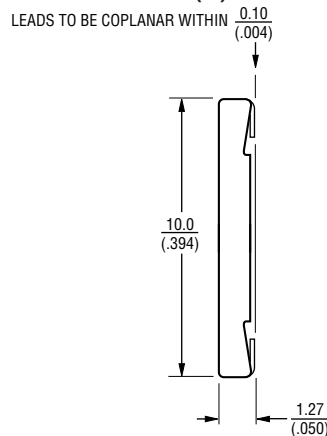
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Product Dimensions

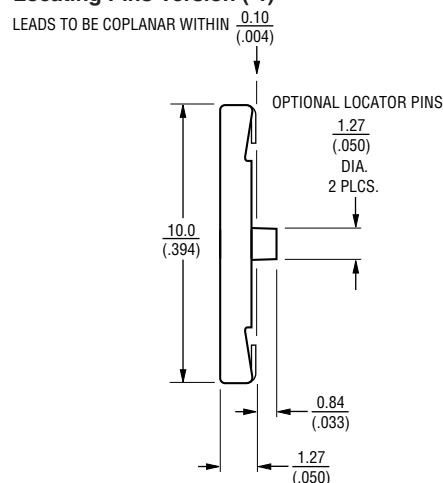


Number of Contacts	Dimension A	Dimension B
2	$\frac{4.98}{(.196)}$	$\frac{2.54}{(.100)}$
3	$\frac{7.52}{(.296)}$	$\frac{5.08}{(.200)}$
4	$\frac{10.06}{(.396)}$	$\frac{7.62}{(.300)}$
5	$\frac{12.60}{(.496)}$	$\frac{10.16}{(.400)}$
6	$\frac{15.14}{(.596)}$	$\frac{12.70}{(.500)}$

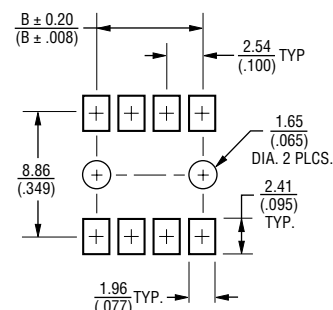
Standard Version (-0)



Locating Pins Version (-1)



Recommended PWB Layout



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

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



CALIFORNIA WARNING: Can expose you to lead,
a carcinogen and reproductive toxicant.
See www.P65Warnings.ca.gov

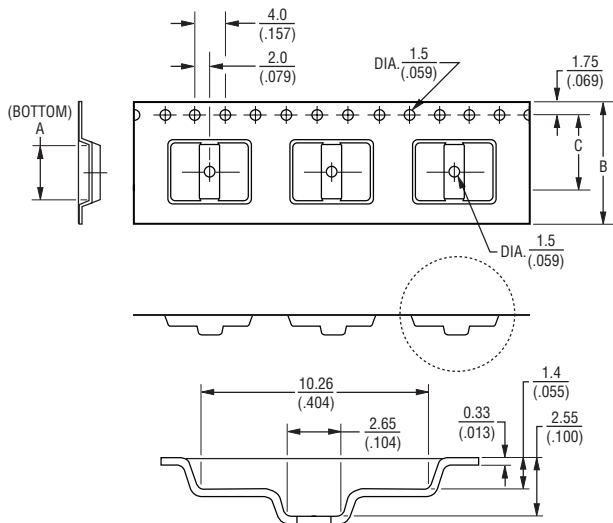
Features (Continued)

- RoHS compliant* - see [processing information](#) for RoHS compliant surface mount components
- Halogen free**

70AA/Female – Modular Contact

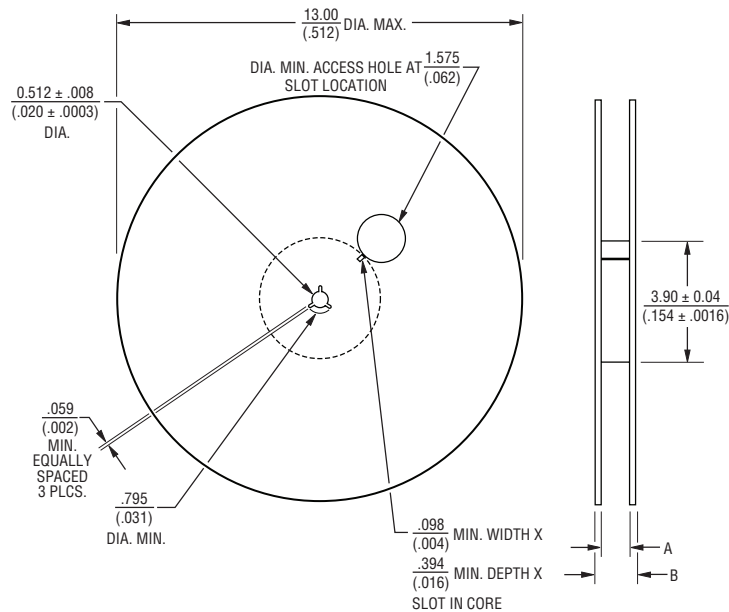
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Packaging Specifications



No. of Contacts	Dimension A	Dimension B	Dimension C
2	$\frac{5.23}{(.206)}$	$\frac{16.0}{(.630)}$	$\frac{7.5}{(.295)}$
3	$\frac{7.77}{(.306)}$	$\frac{16.0}{(.630)}$	$\frac{7.5}{(.295)}$
4	$\frac{10.31}{(.406)}$	$\frac{24.0}{(.945)}$	$\frac{11.5}{(.453)}$
5	$\frac{12.85}{(.506)}$	$\frac{24.0}{(.945)}$	$\frac{11.5}{(.453)}$
6	$\frac{15.39}{(.606)}$	$\frac{24.0}{(.945)}$	$\frac{11.5}{(.453)}$

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



No. of Contacts	Dimension A	Dimension B (Max.)
2	$\frac{.646}{(.025)}$	$\frac{.882}{(.035)}$
3	$\frac{.646}{(.025)}$	$\frac{.882}{(.035)}$
4	$\frac{.961}{(.038)}$	$\frac{1.197}{(.047)}$
5	$\frac{.961}{(.038)}$	$\frac{1.197}{(.047)}$
6	$\frac{.961}{(.038)}$	$\frac{1.197}{(.047)}$

REV. 04/26

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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