



THE DATASHEET OF 70ABJ-4-F0E



Features

- 1.27 mm pitch
- Precious metal contacts
- Twin hot contacts (symmetrical pad layout)
- Pick & place compatible
- High cycle life - 50,000 cycles

- RoHS compliant* - see [processing information](#) on RoHS compliant modular contacts
- Halogen free**

70AB/Female – Modular Contact

Additional Information

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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..... 25 milliohms max.

Dielectric Voltage500 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

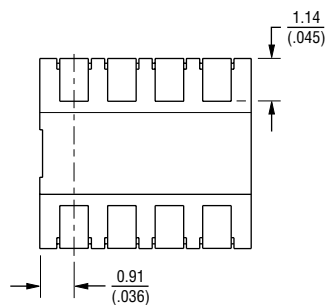
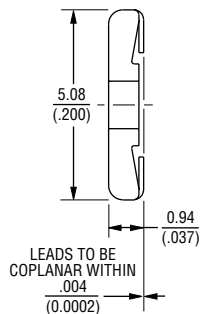
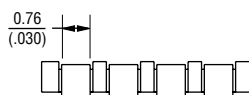
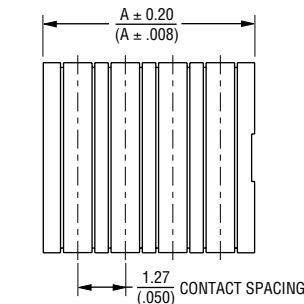
..... 40 °C max. / 70 % R.H. max.

How to Order

70AB J - 4 - F 0 E

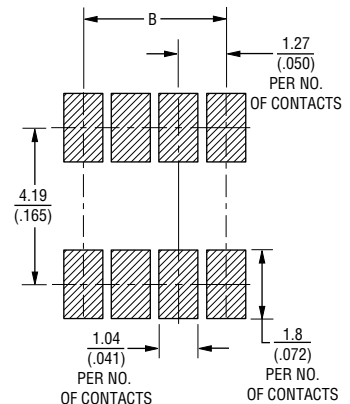
Model _____
Terminal Style _____
Number of Contacts (N) _____
2, 3 or 4
Gender _____
F = Female
Options _____
0 = Standard
Packaging Option _____
E = Embossed Tape (500 pcs. per reel -
MSL-1)

Product Dimensions



Number of Contacts	Dimension A
2	$\frac{3.05}{(.120)}$
3	$\frac{4.32}{(.170)}$
4	$\frac{5.59}{(.220)}$

Recommended PWB Layout



Number of Contacts	Dimension B
2	$\frac{1.27}{(.050)}$
3	$\frac{2.54}{(.100)}$
4	$\frac{3.81}{(.150)}$

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

TOLERANCES: $\pm \frac{0.25}{(.010)}$ EXCEPT WHERE NOTED



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 (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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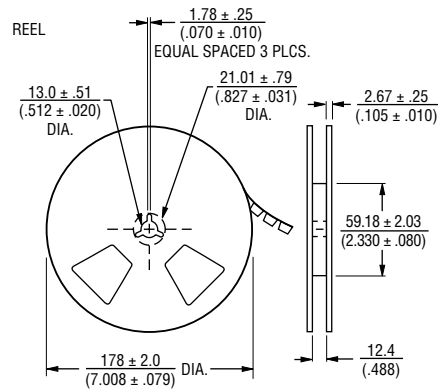
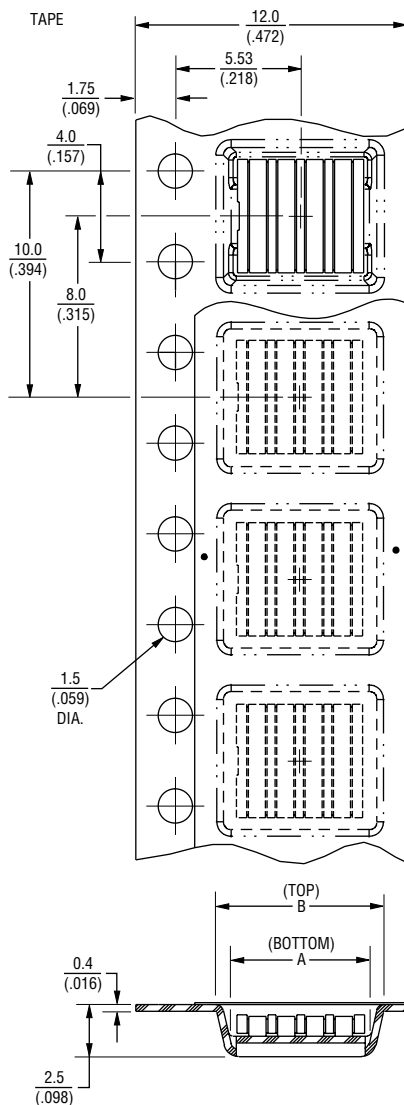
Applications

- Handheld communications - mobile phones, pagers, cordless phones, GPS, PICs, radios
- Portable consumer equipment - PDAs, HPCs, notebook PCs, cameras, dictaphones, PICs, games

70AB/Female – Modular Contact

BOURNS®

Packaging Specifications



No. of Contacts	Dimension A	Dimension B (Max.)
2	$\frac{3.54}{(.139)}$	$\frac{4.88}{(.192)}$
3	$\frac{4.82}{(.190)}$	$\frac{6.16}{(.243)}$
4	$\frac{6.10}{(.240)}$	$\frac{7.44}{(.293)}$

TOLERANCES: .XX = $\frac{\pm 0.5}{(\pm .020)}$ UNLESS OTHERWISE NOTED

.XXX = $\frac{\pm 0.127}{(\pm .005)}$ UNLESS OTHERWISE NOTED

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

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REV. 02/24

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