



THE DATASHEET OF 70ABJ-4-M0E



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/Male – Modular Contact

Additional Information

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Materials & Finishes

Insulator..... Glass 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

Electrical

Current Rating..... 3 A/contact

Voltage Rating..... 60 V

Contact Resistance..... 25 milliohms max.

Dielectric Voltage 500 VAC

Insulating Resistance ... 1000 Mohms min.

Operating Temperature

..... -55 °C to +125 °C

Mechanical

Normal Force/Finger 35 grams min.

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 - M 0 E

Model _____

Terminal Style _____

Number of Contacts (N) _____

2, 3 or 4

Gender _____

M = Male

Options _____

0 = Standard

Packaging Option _____

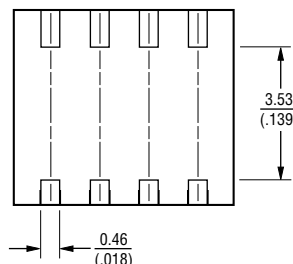
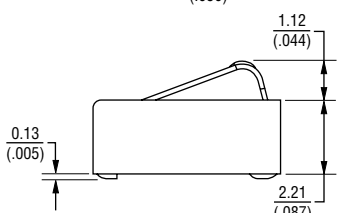
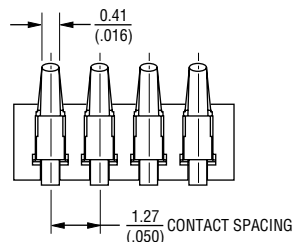
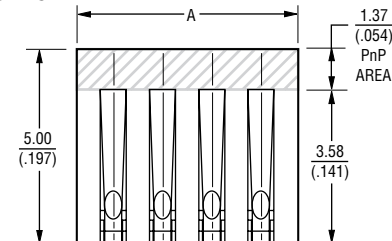
E = Embossed Tape:

- 2, 3 Contacts = 500 pcs. per reel - MSL-1

- 4 Contacts = 1000 pcs. per reel - MSL-1

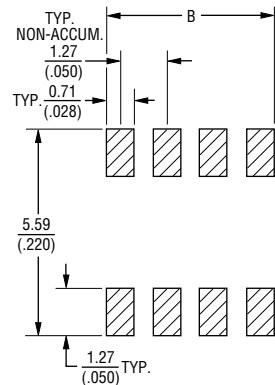
Product Dimensions

70ABJ



Number of Contacts	Dimension A
2	$\frac{3.12}{(.123)}$
3	$\frac{4.39}{(.173)}$
4	$\frac{5.66}{(.223)}$

Recommended PWB Layout



Number of Contacts	Dimension B
2	$\frac{1.98}{(.078)}$
3	$\frac{3.25}{(.128)}$
4	$\frac{4.52}{(.178)}$

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.

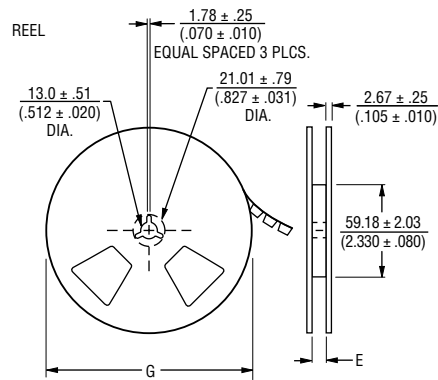
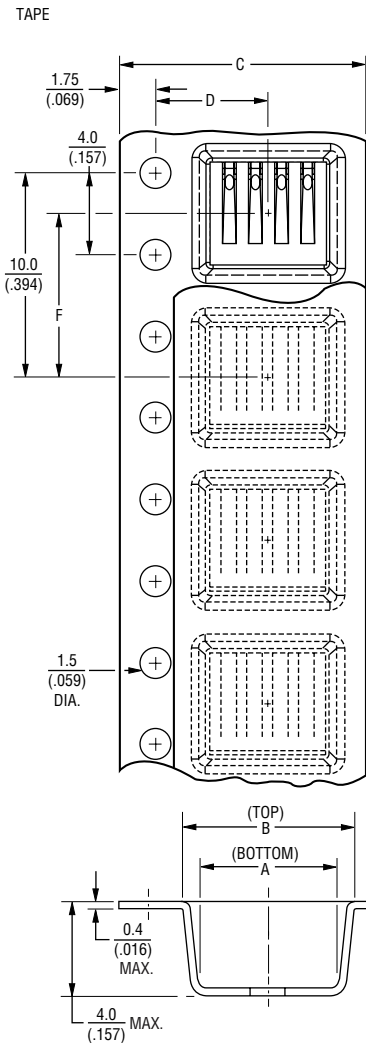
Users should verify actual device performance in their specific applications.

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70AB/Male – Modular Contact

BOURNS®

Packaging Specifications



No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G
2	3.2 (.126)	4.94 (.194)	12.0 (.472)	5.5 (.217)	12.4 (.488)	8.0 (.315)	178 ± 2.0 (7.008 ± .079)
3	4.77 (.188)	6.22 (.245)	12.0 (.472)	5.5 (.217)	12.4 (.488)	8.0 (.315)	178 ± 2.0 (7.008 ± .079)
4	6.04 (.238)	7.50 (.295)	16.0 (.630)	7.5 (.295)	16.0 (.630)	12.0 (.472)	330.2 ± 2.0 (13.0 ± .079)

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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