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

Click these links for more information:

PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

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.

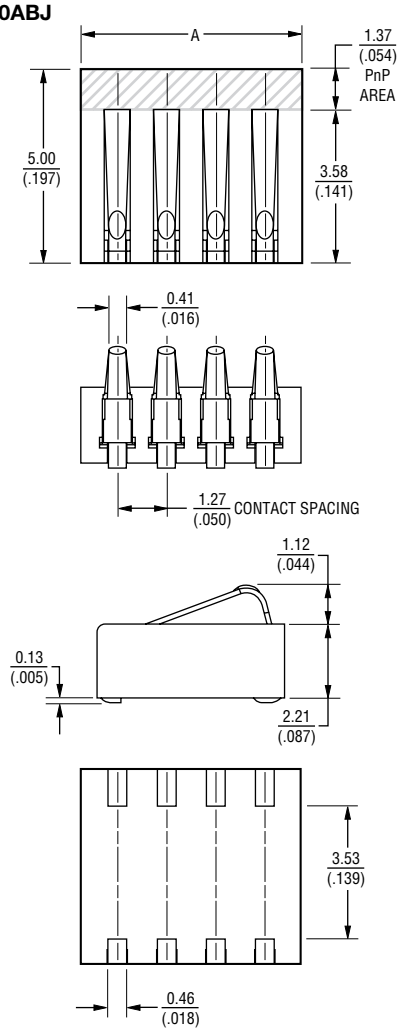
How to Order

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

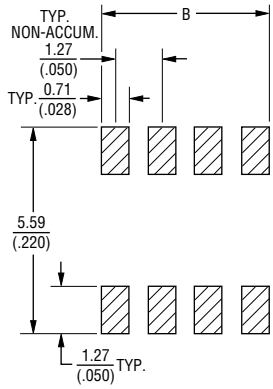
Product Dimensions

70ABJ



Number of Contacts	Dimension A
2	3.12 (.123)
3	4.39 (.173)
4	5.66 (.223)

Recommended PWB Layout



Number of Contacts	Dimension B
2	1.98 (.078)
3	3.25 (.128)
4	4.52 (.178)

DIMENSIONS: MM (INCHES)

TOLERANCES: ± 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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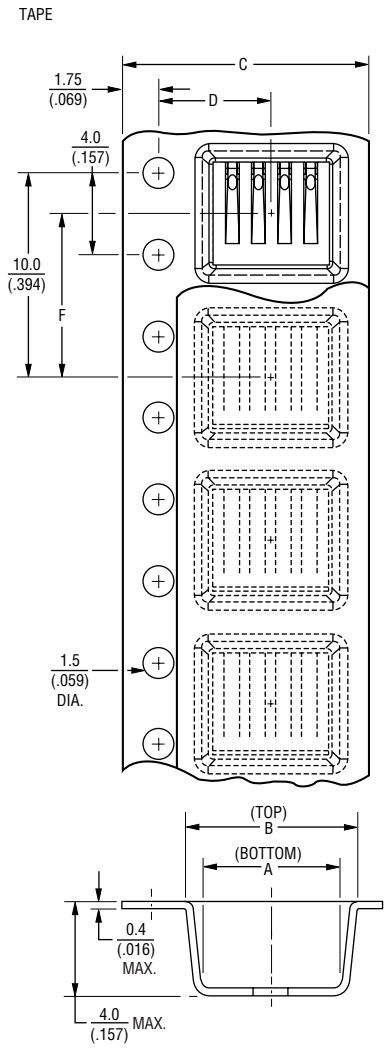
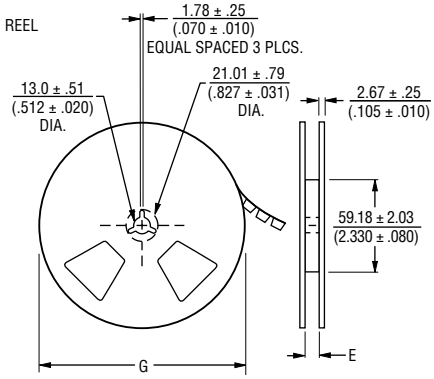
Packaging Specifications





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 = ±0.5 (±.020) UNLESS OTHERWISE NOTED

.XXX = ±0.127 (±.005) UNLESS OTHERWISE NOTED

DIMENSIONS: MM (INCHES)

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