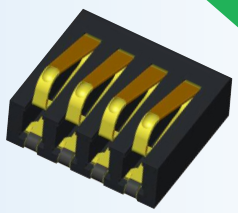
BOURNS®

75AB/Male

High Power Modular Contact



*RoHS COMPLIANT & **HALOGEN FREE

Features

- 5 A current rating per contact
- 1.27 mm pitch and height
- Precious metal contacts
- RoHS compliant* - see processing information on RoHS compliant surface mount components
- High cycle life - 50K cycles
- Halogen free**

Applications

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

Sustainability

- Small size reduces material use
- Eco-logistics-friendly packaging
- Corrosion-resistant for longevity
- ISO 14001, low-impact energy
- Responsibly sourced and produced

Product Overview

Bourns' next generation of Modular Contacts represents a major advancement in interconnect technology for power-demanding applications. Engineered to address the growing need for compact yet robust power delivery solutions, this new connector offers higher level current carrying capability. Bourns® High Power Modular Contact Interconnect products retain the modularity and flexibility that standard modular contacts have, including stackable configurations, multiple pitch options, and versatile mating orientations to accommodate a wide range of design requirements — specifications that engineers value and require. Whether utilized in board-to-board, board-to-device, or docking applications, the new high power platform ensures low contact resistance, minimal heat rise, and an extended life cycle of 50,000 cycles.

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.....5 A/contact
- Voltage Rating.....60 V
- Contact Resistance.....25 mohms 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

75AB J - 4 - M 0 E

- Model: 75AB
- Terminal Style: J = SMT
- Number of Contacts (N): 2, 3 or 4
- Gender: M = Male
- Options: 0 = Standard
- Packaging (MSL-1): E = Embossed Tape:
  - 2,3 Contacts = 500 pcs. per reel
  - 4 Contacts = 1000 pcs. per reel

Contact Information

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Asia-Pacific	+886-2 2562-4117	asiacus@bourns.com
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The Americas	+1-951 781-5500	americus@bourns.com

* 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.

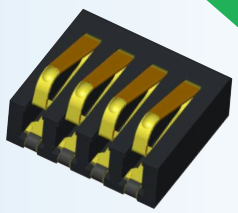
Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
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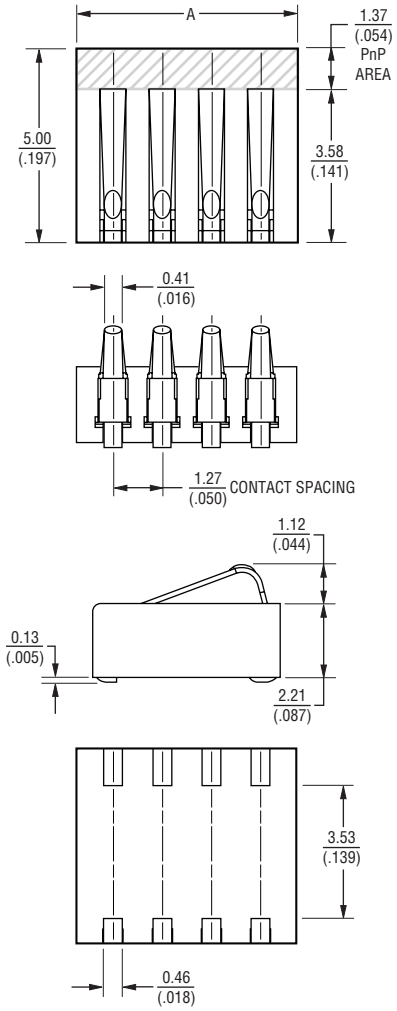
High Power Modular Contact



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Product Dimensions

70ABJ

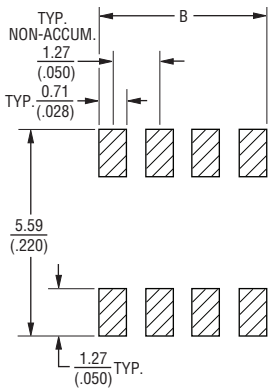


Number of Contacts	Dimension A
2	3.12 (.123)
3	4.39 (.173)
4	5.66 (.223)

DIMENSIONS: MM (INCHES)

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

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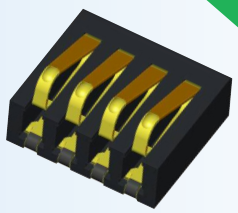
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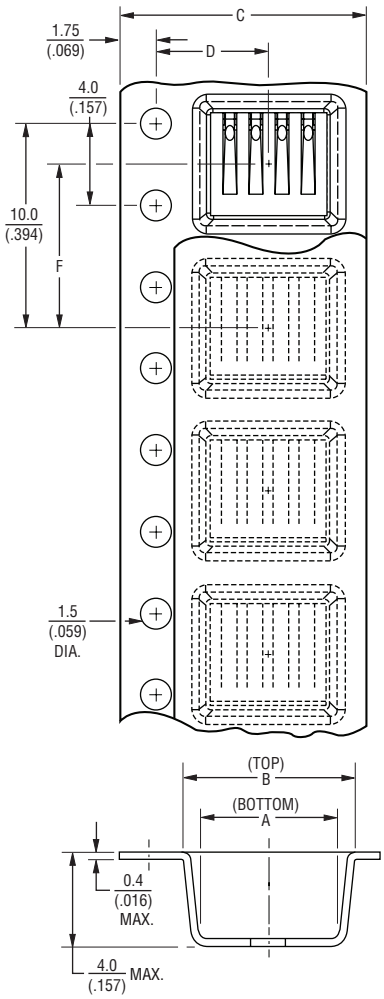
High Power Modular Contact



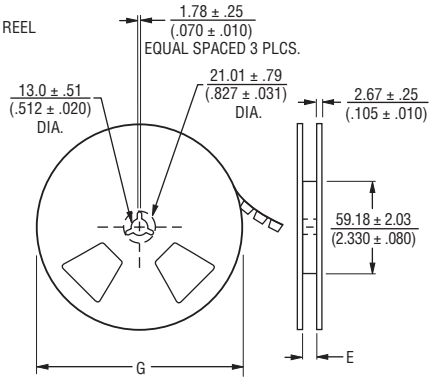
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Packaging Specifications

TAPE



REEL



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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