



Features

- 4 mm pitch
- Rechargeable battery-pack applications
- Precious metal contacts
- RoHS compliant* - see [processing information](#) on RoHS compliant surface mount components
- High cycle life - 50,000 cycles
- Halogen free**

Additional Information

Click these links for more information:



70AD/Female – Modular 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
 Termination..... Tin alloy
 (meets MIL-STD-202, method 208)

Operating Characteristics

Electrical
 Current Rating.....DC 3 A/contact
 Voltage Rating..... 30 VDC
 Contact Resistance 25 mΩ max.
 Dielectric Voltage500 VAC
 Insulating Resistance..... 500 MΩ 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

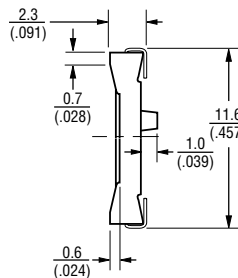
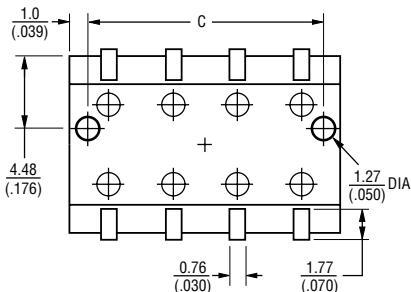
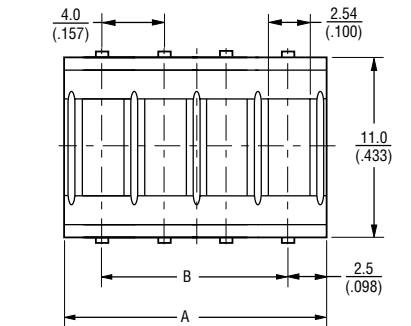
70AD J - 3 - F L 0 G

Model _____
 Terminal Style _____
 J = SMT
 H = Through-hole
 Number of Contacts _____
 2 through 6
 Gender _____
 F = Female
 Height _____
 L = Low Profile
 Options _____
 0 = Standard
 1 = Locator Pins (J style only)
 Packaging Option _____
 ___ = Tube: 240/N pcs. or 240 contacts per tube
 G = Embossed Tape: 500 pcs. per reel (J/SMT Style only)

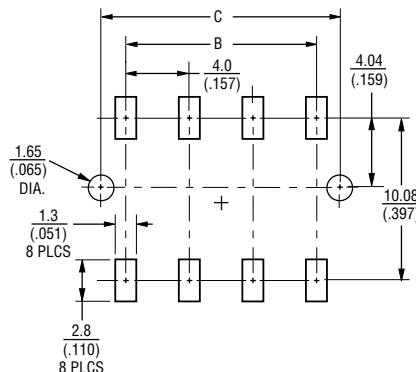
Number of Contacts	Dim. A	Dim. B	Dim. C
2	9.0 (.354)	4.0 (.157)	6.99 (.275)
3	13.0 (.512)	8.0 (.315)	11.0 (.433)
4	17.0 (.669)	12.0 (.472)	15.0 (.591)
5	21.0 (.827)	16.0 (.630)	19.0 (.748)
6	25.0 (.984)	20.0 (.787)	22.9 (.900)

Product Dimensions

70ADJ



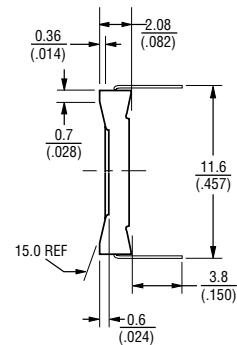
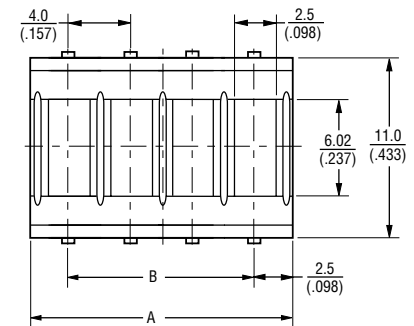
70ADJ RECOMMENDED PWB MOUNTING PATTERN



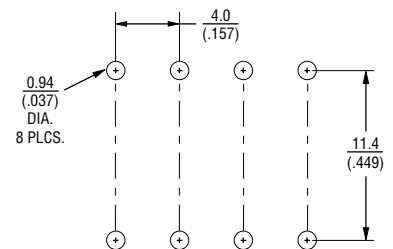
DIMENSIONS: MM (INCHES)

TOLERANCES: ± 0.3 (.012) EXCEPT WHERE NOTED

70ADH



70ADH RECOMMENDED PWB MOUNTING PATTERN



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.

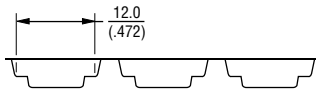
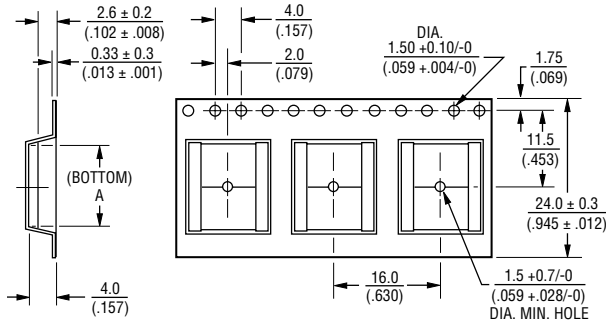
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70AD/Female – Modular Contact

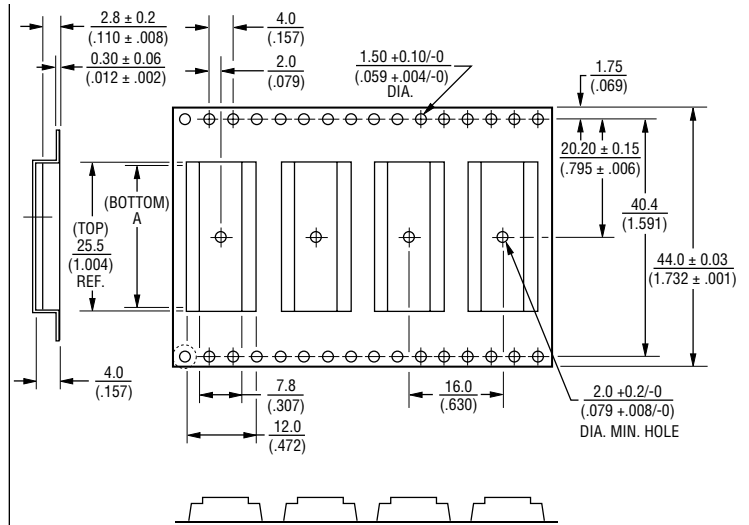
BOURNS®

Packaging Specifications

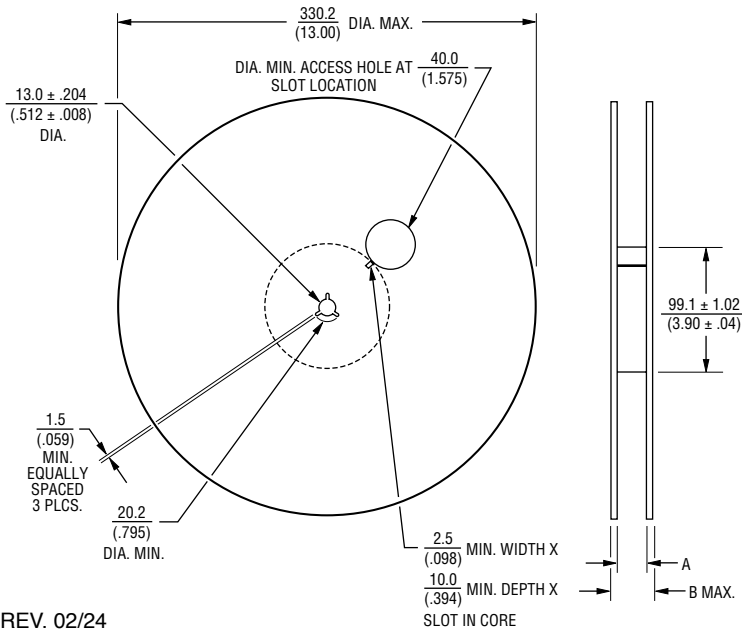
(J/SMT STYLE ONLY)



No. of Contacts	Dimension A
2	9.5 (.374)
3	13.5 (.531)
4	17.5 (.689)



No. of Contacts	Dimension A
5	19.5 (.768)
6	25.5 (1.004)



No. of Contacts	Dimension A	Dimension B (Max.)
2	24.41 (.961)	30.40 (1.197)
3	24.41 (.961)	30.40 (1.197)
4	24.41 (.961)	30.40 (1.197)
5	44.83 (1.765)	50.30 (1.98)
6	44.83 (1.765)	50.30 (1.98)

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

REV. 02/24

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Users should verify actual device performance in their specific applications.

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