



THE DATASHEET OF 70ADH-3-FL0



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

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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 Voltage: 500 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

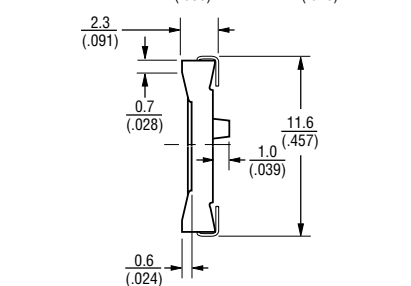
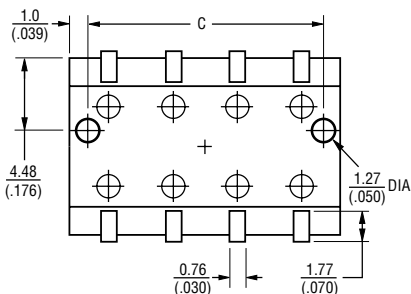
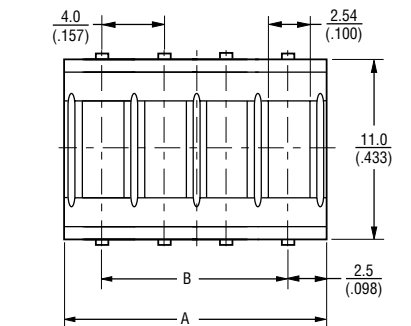
70AD J - 3 - F L 0 G

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)

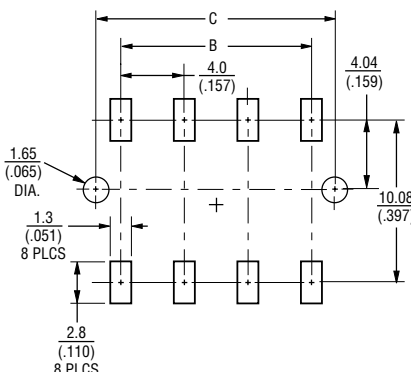
Number of Contacts	Dim. A	Dim. B	Dim. C
2	9.0 (.354)	4.0 (.157)	6.99 (.275)
3	13.0 (.512)	8.0 (.315)	11.0 (.433)
4	17.0 (.669)	12.0 (.472)	15.0 (.591)
5	21.0 (.827)	16.0 (.630)	19.0 (.748)
6	25.0 (.984)	20.0 (.787)	22.9 (.900)

Product Dimensions

70ADJ



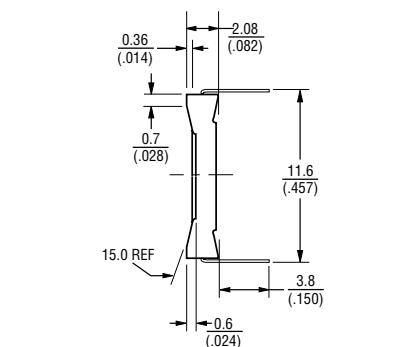
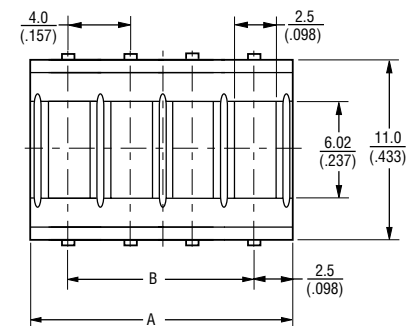
70ADJ RECOMMENDED PWB MOUNTING PATTERN



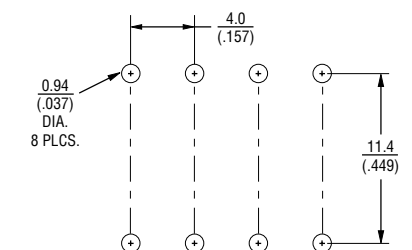
DIMENSIONS: MM
(INCHES)

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.

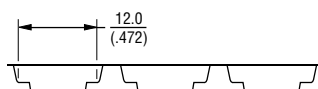
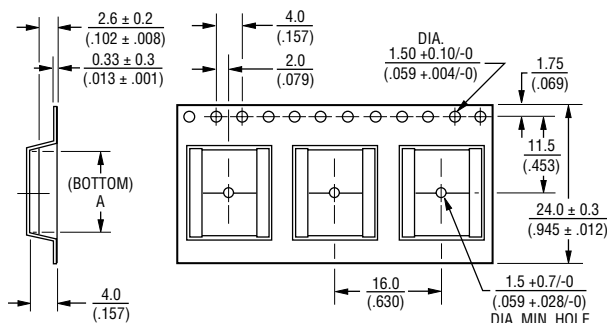
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70AD/Female – Modular Contact

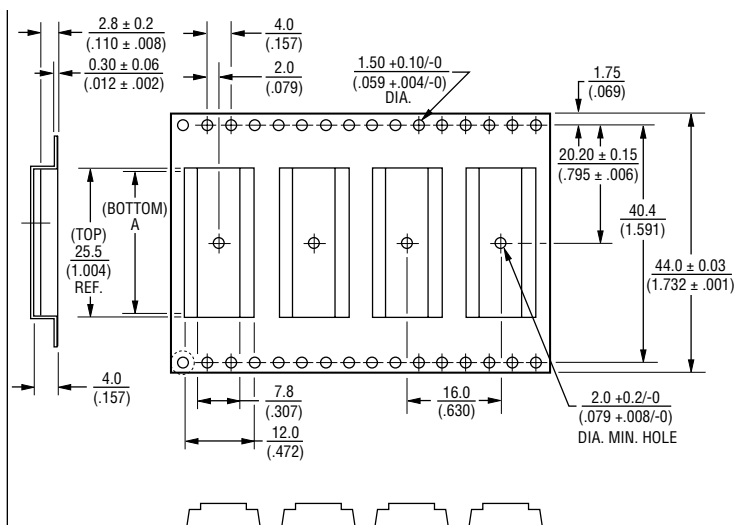
BOURNS®

Packaging Specifications

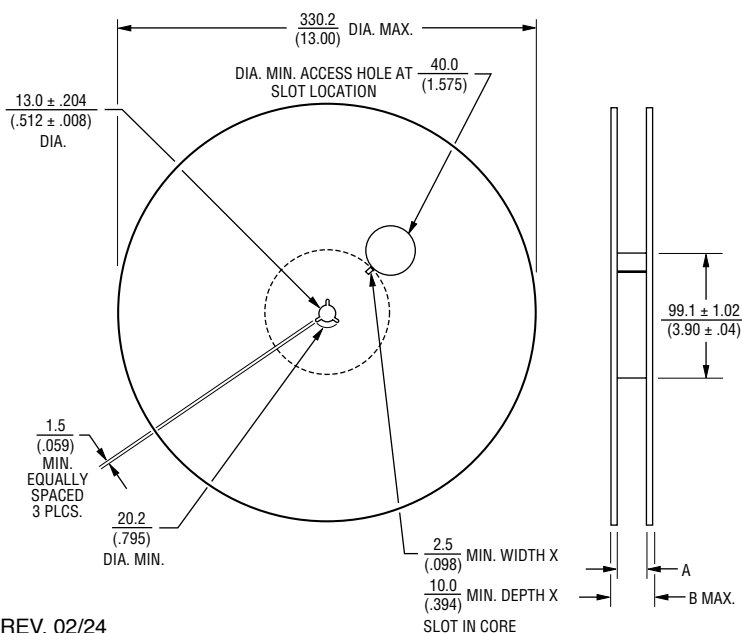
(J/SMT STYLE ONLY)



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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