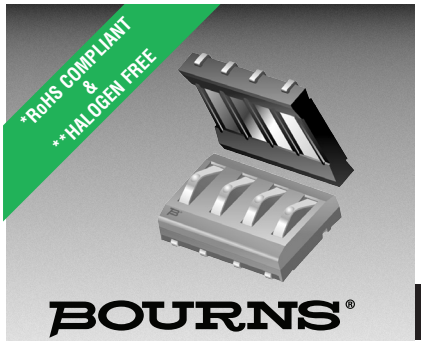


Features

- 4 mm pitch
- Rechargeable battery-pack applications
- Precious metal contacts
- RoHS compliant* - see processing information on RoHS compliant surface mount components
- Halogen free**

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..... DC 30 V
Contact Resistance.....25 mΩ max.
Dielectric Voltage .....AC 500 V
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

How to Order

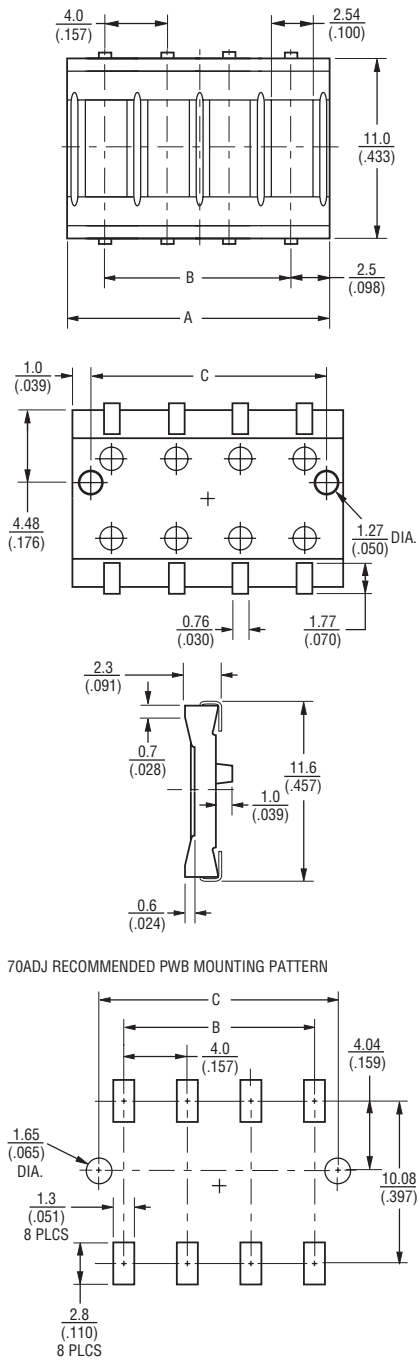
70AD J - 3 - F L 0 G

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)

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)

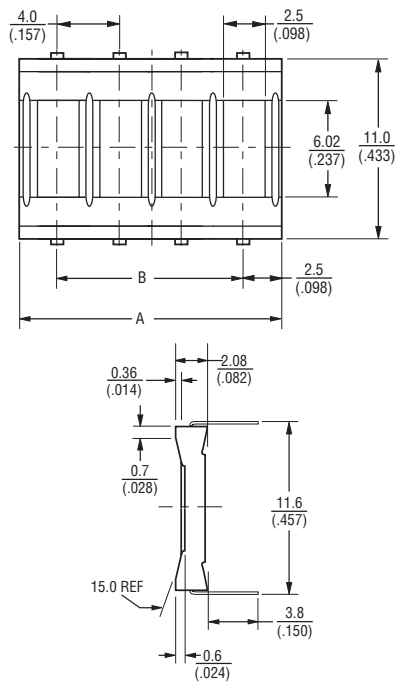
Product Dimensions

70ADJ

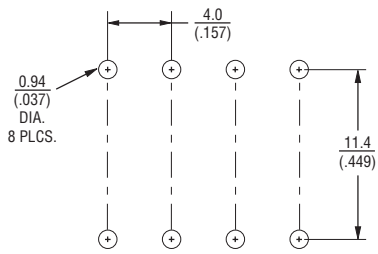


70ADJ RECOMMENDED PWB MOUNTING PATTERN

70ADH



70ADH RECOMMENDED PWB MOUNTING PATTERN



TOLERANCES: ±0.3 (±.012) UNLESS OTHERWISE NOTED

DIMENSIONS: MM (INCHES)

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

** 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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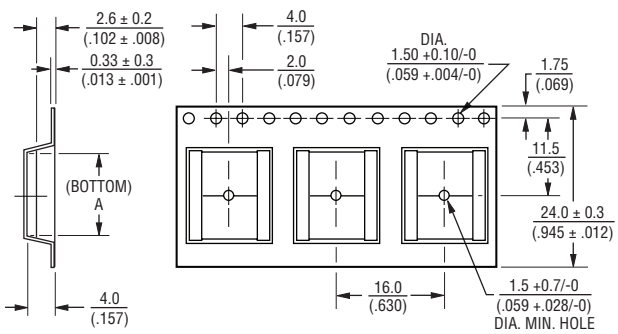
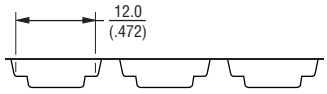
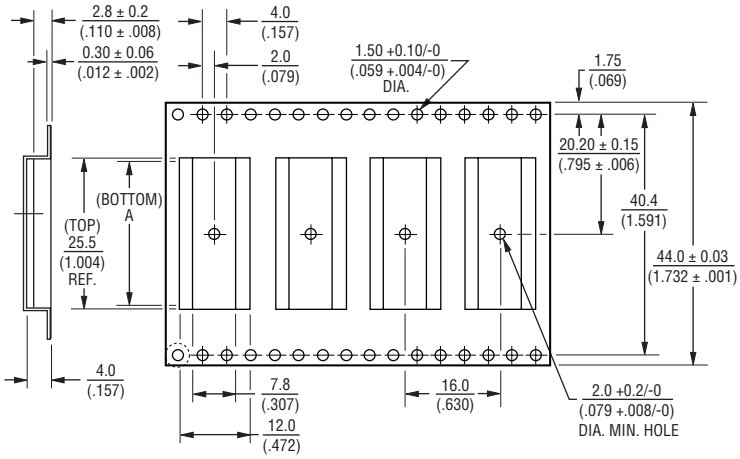
WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

Packaging Specifications

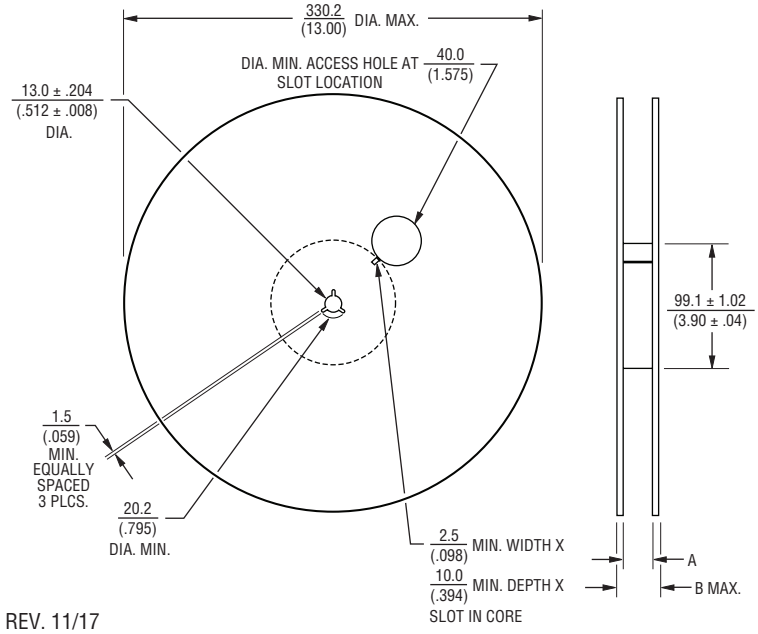




No. of Contacts	Dimension A
2	9.5 (.374)
3	13.5 (.531)
4	17.5 (.689)



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: MM / (INCHES)

REV. 11/17

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Users should verify actual device performance in their specific applications.
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