

Features

- 4 mm pitch
- Low profile
- Rugged design
- Vertical or horizontal entry
- RoHS compliant* see processing information on RoHS compliant surface mount components

■ Halogen free**

70AD/Male - Modular Contact

Materials & Finishes

Insulator	Glass reinforced
	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-S	STD-202, method 208)

Operating Characteristics

Electrica	l
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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	

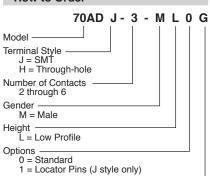
.....-55 °C to 125 °C

Mechanical	
Vibration	10-55 Hz, 0.06 inches D.A
Shock	50 G, 11 ms
Normal Force	100 grams min
	at a working height of

0.51 mm (0.020 in.) Durability 50,000 cycles min. Contact Resistance after

50,000 Cycles 50 m Ω MSL.....1 ESD Rating (HBM)3B

How to Order

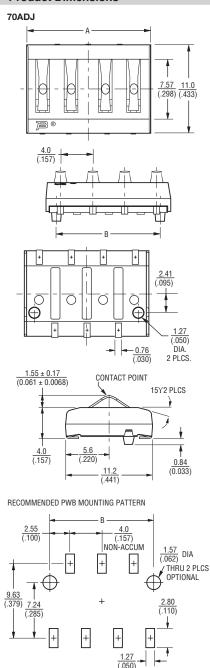


Packaging Option ____ = Tube (120/N pcs. or 120 contacts per tube)

G = Embossed Tape (500 pcs. per reel)

Number of	Dimension	Dimension
Contacts	Α	В
2	7.82	5.11
2	(.308)	(.201)
3	11.82	9.11
3	(.466)	(.359)
4	15.82	13.11
4	(.623)	(.516)
5	19.82	17.11
5	(.781)	(.674)
6	23.83	21.11
0	(.938)	(.831)

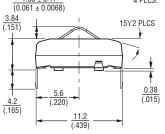
Product Dimensions



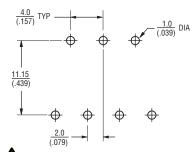


±0.3 UNLESS OTHERWISE NOTED TOLERANCES: $(\pm .012)$ MM DIMENSIONS: (INCHES)

70ADH (.157) $\frac{2.0}{(.079)}$ ⊕ $\frac{1.27}{(.050)}$ DIA. STANDOFFS (.151) 15Y2 PLCS



RECOMMENDED PWB PCB HOLE PATTERN





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

- 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 (CI) content is 1500 ppm or less.

Specifications are subject to change without notice.

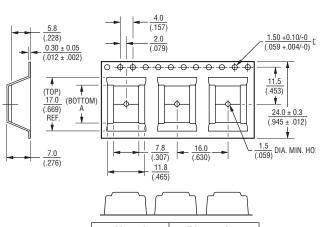
Users should verify actual device performance in their specific applications.

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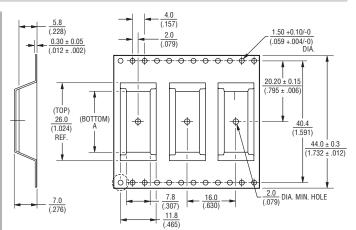
70AD/Male - Modular Contact

BOURNS®

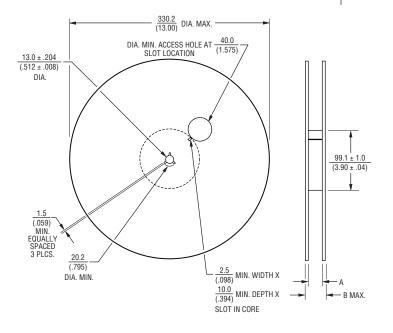
Packaging Specifications



No. of Contacts	Dimension A
2	6.15 (.242)
3	11.7 (.461)
4	16.7 (.657)



No. of	Dimension
Contacts	Α
5	19.4
	(.764)
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)	<u>50.30</u> (1.98)
6	44.83 (1.765)	50.30 (1.98)

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

REV. 11/17

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