

## **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**

	Glass reinforced UL 94V-0 rated, black
Contact	Copper alloy
Finish	
Underplating	30 μ" min. Ni
Contact Area	$30~\mu$ " min. Au over Ni
	Tin alloy
(meets MIL-S	TD-202, method 208)

#### **Operating Characteristics**

Electrica
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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	

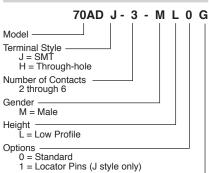
.....-55 °C to 125 °C

lechanical	
Vibration10-5	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 mΩ
MSL	
ESD Rating (HBM)	3B

### **How to Order**

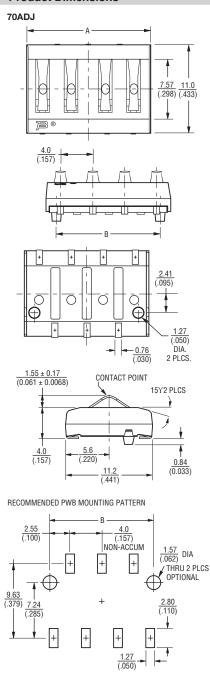


Packaging Option \_\_\_\_ = Tube (120/N pcs. or 120 contacts per tube)

G = Embossed Tape (500 pcs. per reel)

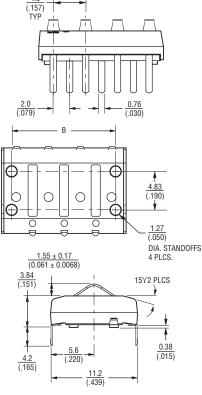
Number of	Dimension	Dimension
Contacts	Α	В
2	7.82	5.11
	(.308)	(.201)
3	11.82	9.11
3	(.466)	(.359)
4	15.82	13.11
	(.623)	(.516)
5	19.82	17.11
	(.781)	(.674)
6	23.83	21.11
0	(.938)	(.831)

## **Product Dimensions**

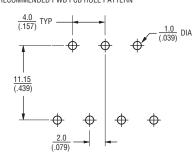




# 70ADH



## RECOMMENDED PWB PCB HOLE PATTERN



- 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.

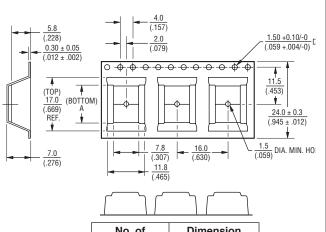
Specifications are subject to change without notice. Users should verify actual device performance in their specific applications.

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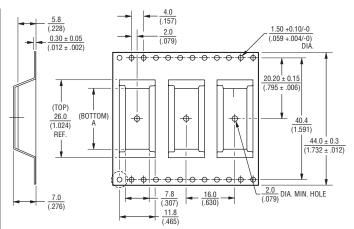
# 70AD/Male - Modular Contact

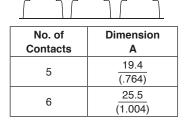
# **BOURNS**®

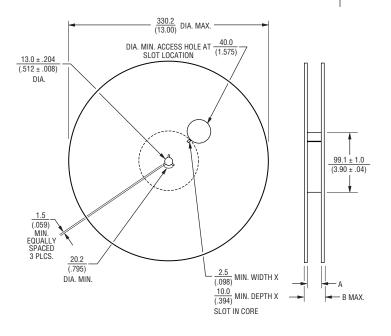
### **Packaging Specifications**



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







No. of 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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