


## Features

- Simple installation
- Enables board mounted, replaceable 5-pin protection
- Industry standard footprint
- Gold plated contact points
- RoHS compliant\*
-  Recognized per UL 497 (File: E53117)



This series is currently available but not recommended for new designs.

## 85028 Receptacle for 5-Pin Surge Protectors

Bourns® 85028 receptacles are a convenient way to add primary surge protectors to printed circuit boards. They accept Bourns® 24xx Series 5-Pin Surge Protectors and other manufacturers' 5-pin protectors. These adapters are equipped with gold-plated contacts for excellent conductivity and corrosion resistance.

The 85028-2 has short mounting pins for PCB through-hole mounting and the 85028-1 has extended pins for wire-wrap applications. The 85028-3 has four short pins and one long pin for the ground connection. The block is made from telecom-grade, V94-0 UL rated thermoplastic.

### Characteristics

|                                    |  |
|------------------------------------|--|
| Plastic Material                   |  |
| Main Body.....                     | High Temperature Thermoplastic, black, UL 94V-0      |
| Metal Parts                        |  |
| Current-Carrying Components .....  | Copper or copper alloys, selective gold-plated       |
| Insulation Resistance .....        | > 30 megohms @1000 VDC                               |
| Module Contact Resistance.....     | < 10 milliohms                                       |
| Wire-wrap Contact Resistance ..... | < 2 milliohms  |
| Dielectric Strength.....           | > 1500 VDC and > 1000 VAC @ 50-60 Hz for two minutes |

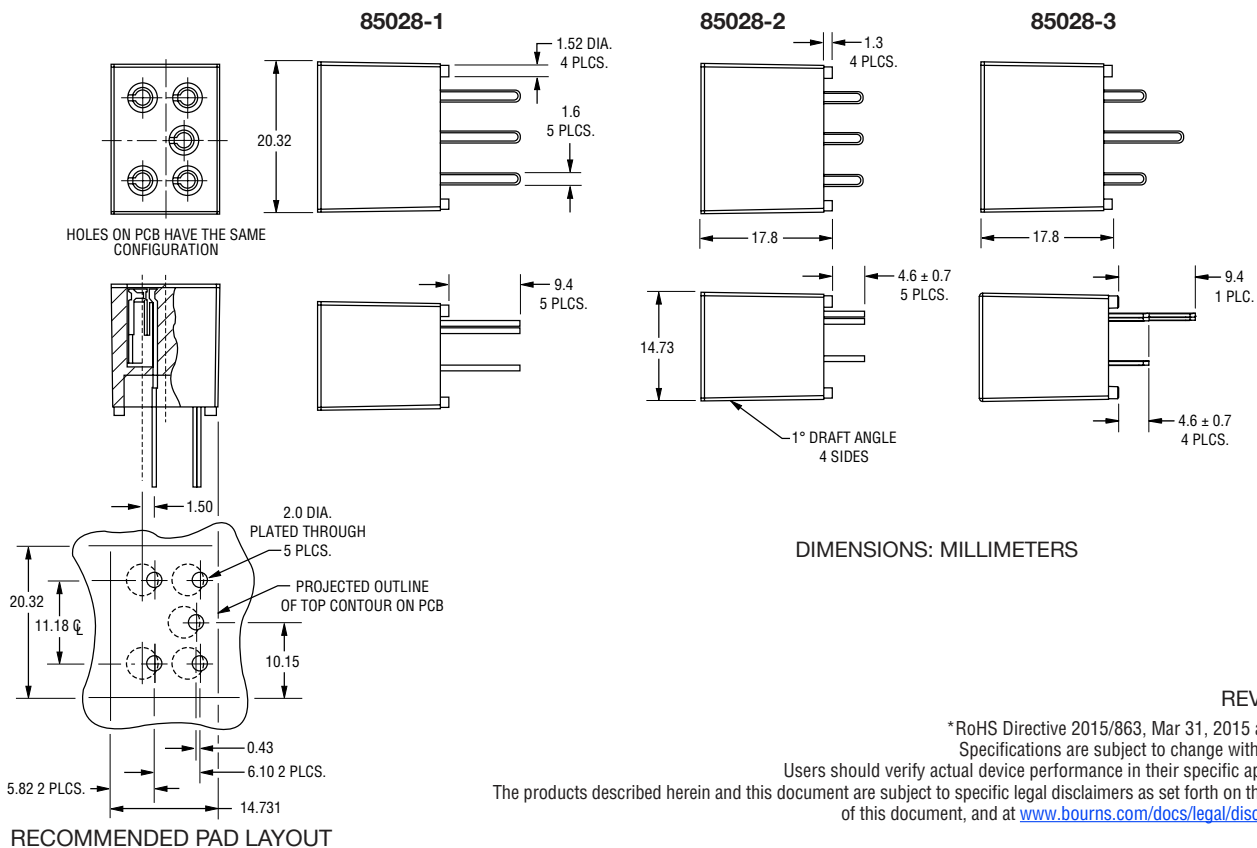
### Environmental Characteristics

|                            |   |
|----------------------------|---|
| Operating Temperature..... | -55 °C to +85 °C (-67 °F to +185 °F) up to 95 % non-condensing R.H. |
| Storage Temperature.....   | -55 °C to +85 °C (-67 °F to +185 °F)                                |

### Temperature Characteristics

|                        |                                      |
|------------------------|--------------------------------------|
| High Temperature ..... | +85 °C (+185 °F) without deformation |
|------------------------|--------------------------------------|

### Product Dimensions



REV. I 05/23

\*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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