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Solder Cup Plug - Basic D Series - Metal Shell

Additional Info

Contact Arrangements

Part Number Listing

Shells and Mounts

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Features:

Solder Cup style for wire termination.

- Offered with .120 mounting holes, 4-40 clinch nuts, and dual float bushings.
- Offered in 9, 15, 25, 37, and 50 position plugs and sockets.
- Available with gold flash.
- RoHS version available
- Approvals:
 - UL Recognized - Files E170218 (UL1977) and E130965 (UL1863).
 - CSA Approved - File LR31996.

Materials:

Insulator Material: Glass-filled polyester (white), UL 94V-O rated

Connector Shell: Steel with zinc plating and yellow chromate finish or tin plating (grounding indents on plug), RoHS zinc plated with clear chromate

4-40 Clinch Nut: Steel with cadmium plating and yellow chromate finish. RoHS zinc plating with clear chromate finish.

Mechanical:

Individual Contact Insertion and Separation Force (minimum/maximum): 0.7 oz./12 oz.

Durability: 500 mating cycles

Electrical:

Withstanding Voltage: Minimum 1250V RMS @ sea level

Current Rating: 5 Amps

Contact Resistance: 2.7 milliohms maximum

Insulation Resistance: 5000 megohms maximum (initial); 1000 megohms (minimum) after environmental testing

Environmental:

Operating Temperature: -65°C to + 125°C

Shock: 50G peak per MIL-STD-202, Method 213, Condition G

Vibration: 12 cycles in three perpendicular directions @ 10-2000Hz, per MIL-STD-202, Method 204, Condition D

Moisture Resistance: 90-95% relative humidity @ 40°C for 96 hours per MIL-STD-202, Method 103