Solder Cup Socket - Basic D Series - Metal Shell

Additional Info
Contact Arrangements
Part Number Listing
Shells and Mounts

Features:

Solder cup style for wire termination.

- Offered with .120 mounting holes, 4-40 clinch nuts.
- 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)
4-40 Clinch Nut: Steel with cadmium plating and yellow 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