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PCB Mount - D*KL Series - Vertical Metal Shell

Contact Arrangements

Dimensions

Part Number Listing

Printed Circuit Board Layout Hole Dimensions

Shells and Mounts

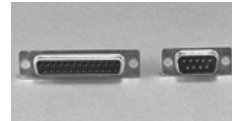
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Features:

Offered in right-angle or vertical PCB mount versions.

- Available with gold flash or 30µin. gold plating.
- Metal Shell provides grounding and shielding capability.
- Approvals:
 - UL Recognized: File E130965.
 - CSA Approved: File LR97981.

Materials:

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

Contact Material: Socket - Phosphor bronze (stamped). Plug - Brass (stamped)

Contact Plating: Gold flash or 30µin. gold in mating area and tin/lead on tails. All over nickel.

Metal Shell: Steel with tin plating (grounding indents on plug)

Mechanical:

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

Durability: 500 mating cycles

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Electrical:

Withstanding Voltage: Right Angle - minimum AC 1250V RMS @ sea level, Vertical - minimum AC 1000V RMS @ sea level

Current Rating: 5 Amps

Contact Resistance: 15 milliohms maximum

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

Environmental:

Operating Temperature: -55°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

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