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M24308 Series - MIL-C-24308 Crimp & Poke

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Features:

Meets all MIL-C-24308 Class G specifications.

- Crimp and Poke.
- Offered in 9, 15, 25, 37, and 50 position plugs and sockets except right-angle (9 to 37 positions).
- Monoblock green diallyl phthalate insulator for improved electrical performance.

Materials:

Insulator Material: Glass-filled diallyl phthalate (green) per MIL-M-14, Type SDG-F.

Connector Shell: Steel with cadmium plating and yellow chromate finish.

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

Contact Plating: 50µin. gold over copper or nickel.

Mechanical:

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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

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