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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:

**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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