

PERFORMANCE REFERENCE MIL-DTL-83513

INTERFACE:	Per M83513
CONTACT RATING:	3-amperes maximum
SOLDERABILITY:	Terminals (except crimp) tested in accordance with MIL-STD-202, method 208
WIRE SIZE:	Stranded #24, #26, #28 AWG or solid #25 AWG standard (consult factory for other sizes and types)
TEST VOLTAGE:	600V (RMS) 60 Hz
OPERATING TEMPERATURE:	-55° C to +125° C
INSULATION RESISTANCE:	5,000 megohms minimum at 500 VDC
DURABILITY:	500 connector mating cycles
VIBRATION:	Tested in accordance with EIA-364-28, condition IV, according to MIL-83513
SHOCK:	Tested in accordance with EIA-364-27, condition E, according to MIL-83513
SALT SPRAY:	Mated connectors tested in accordance with EIA-364-26, test condition B, according to M83513
HUMIDITY:	Mated connectors tested in accordance with EIA-364-31, method IV (except steps 7a and 7b)
THERMAL SHOCK:	Tested to the temperature extremes of EIA-364-32, method A, test condition I (except step 3, temperature shall be 100° C)
CONTACT RESISTANCE:	0.065 volt maximum drop at 2.5 Amps (.026 Ohms), according to M83513
CONTACT ENGAGING FORCE:	6.0 oz. maximum, with 0.0221 diameter test sleeve
CONTACT SEPARATING FORCE:	0.5 oz. minimum, with 0.0230 diameter test sleeve
CRIMP STRENGTH:	5 pound minimum tensile strength
SEALING:	15 PSI per EIA-364-02 at room temperature, 5 minutes with no visible air leaks, positive pressure from wire (back side) of connector. <i>(Body Styles E and H)</i> 30 PSI per EIA-364-02 at room temperature, 5 minutes with no visible air leaks, positive pressure from wire (back side) of connector. <i>(Body Styles K and L)</i>

NOTES

Molex can manufacture special configurations for your exact specifications.

*Reference the above listed specifications or an equivalent industry standard when applicable.

**When ordering to MIL Spec Part Number, MIL Spec requirements apply.