

PERFORMANCE REFERENCE MIL-DTL-83513

AirBorn M Series meets or exceeds MIL-DTL-83513 Performance Specifications

CONTACT RATING:	3-amperes maximum
SOLDERABILITY:	Terminals (except crimp) tested in accordance with MIL-STD-202, Method 208
WIRE SIZE:	Stranded #26 AWG or solid #25 AWG standard <i>(consult factory for other sizes and types)</i>
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 MIL-STD-1344, Method 2005, Condition IV, according to MIL-83513
SHOCK:	Tested in accordance with MIL-STD-1344, Method 2004, Condition E, according to MIL-83513
SALT SPRAY:	Mated connectors tested in accordance with MIL-STD-1344, Method 1001, Test Condition B
HUMIDITY:	Mated connectors tested in accordance with MIL-STD-1344, Method 1002, Type II <i>(except steps 7a and 7b)</i>
THERMAL SHOCK:	Tested to the temperature extremes of MIL-STD-1344, Method 1003, Test Condition A <i>(except step 3, temperature shall be 125° C)</i>
CONTACT RESISTANCE:	0.065 volt maximum drop at 2.5 amps (.026 ohms)
CONTACT ENGAGING FORCE:	6.0 oz. maximum, with 0.0221 diameter test sleeve per contact
CONTACT SEPARATING:	0.5 oz. minimum, with 0.0230 diameter test sleeve per contact
FORCE:	
CRIMP STRENGTH:	5 pound minimum tensile strength
MATING & UNMATING FORCE:	10 oz. maximum per contact