



ARMSTO MICRO-D CONNECTOR SPECIFICATIONS

Armsto connector family are MIL-DTL-83513 qualified and is 100% compatible with MIL-DTL-83513 series connectors.

Property	Requirement	Test Method
Magnetic Permeability	2.0μ maximum	EIA-364-54
Dielectric Withstanding Voltage		EIA-364-20 Procedure 20
At sea level	600 VAC	
At altitude	150 VAC	
Insulation Resistance	5,000 megohms	EIA-364-31 Procedure 21
Contact Resistance		MIL-DTL-83513H Amendment 2
M22759/11-26	65 Maximum	
M22759/33-26	75 Maximum	
Contact Engagement and Separation Forces	Maximum 6.0 ounces Engaging Minimum 0.5 ounces Separation	EIA-364-37
Mating and Unmating Force	10 ounces of one contacts	EIA-364-13
Temperature Cycling	-55 °C to +125 °C	EIA-364-32
Humidity	DWV 360 V rms 60 hertz AC	EIA-364-31 Test IV 7a
Vibration	20G's	EIA-364-28 Test IV
Shock	50G's	EIA-364-27 Test E
Durability	500 Mating cycles minimum	MIL-DTL-83513H Amendment 2
Salt Spray	48 Hours	EIA-364-26 B
Electroless Nickel Plating		EIA-364-26 A
Cadmium Plating		EIA-364-26 B
Chem Film Plating		EIA-364-26 B
Black Anodize Plating		EIA-364-26 B
Gold Plating		EIA-364-26 B
Passivated (Only SS)	EIA-364-26 D	
Low Signal Level Contact Resistance		EIA-364-23
M22759/11-26	Maximum 28 milliohms	
M22759/33-26	Maximum 32 milliohms	
Fluid Immersion	20 Hours (Synthetic Lubricating Oil) 1 Hour (Cooland 25)	MIL-DTL-83513H Amendment 2
Insert Retention	50 pounds per Square inch	EIA-364-35
Solderability		MIL-STD-202 Method 208
Resistance to Soldering Heat	360 °C	EIA-364-56 Procedure 1
Contact Retention	5 pound	EIA-364-29