

Performance*

High Speed Differential Pairs:	Per Quad Module: Pair 1 – 3 Pair 2 – 4
Differential Impedance:	100Ω±10Ω** 110Ω±6Ω**
Wire Size:	Signal: Stranded 24 AWG, 26 AWG, 28 AWG, or 30 AWG High Speed: Stranded 24 AWG, 26 AWG, 28 AWG, or 30 AWG PCB Leads: Solid 28 AWG
Signal Contact Rating:	3-amperes maximum
Test Voltage:	600 V, RMS, 60 Hz
Operating Temperature:	-55°C to +125°C
Insulation Resistance:	5000 megohms minimum @ 500 VDC
Durability:	500 connector mating cycles
Vibration:	Tested in accordance with MIL-STD-1344, Method 2005, Condition IV
Shock:	Tested in accordance with MIL-STD-1344, Method 2004, Condition E
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 (except steps 7a and 7b)
Thermal Shock:	Tested to the temperature extremes of MIL-STD-1344, Method 1003, Test Condition A (except step 3, temperature shall be 125°C)
Contact Resistance:	0.065 Volt maximum drop @ 2.5 amps (0.026Ω)
Contact Engaging Force:	6.0 ounce maximum, with 0.0221 diameter test sleeve
Contact Separating Force:	0.5 ounce minimum, with 0.023 diameter test sleeve

* = Signals and overall construction meets or exceeds MIL-DTL-83513 Performance Specifications.

** = Differential impedance in the mated connectors shall be the stated impedance ±20Ω when measured using a TDR pulse with a rise time of 250 ps when mated connectors are terminated to equal impedance differential cables.