



N-Series

The N-Series 'Nano-Connector' offers an ultra high density contact spacing of only 0.025" (0.635mm) and is fully approved to Mil-DTL-32139. Light weight metal shell, single and dual row, contact counts from 9 to more than 100 positions and terminations styles including PTH, SMT and Pre-Wired. The ultimate connector solution for the smallest and most demanding spaces.

N Series

Mil-DTL-32139 CONNECTORS 0.025" (0.635mm)

AirBorn N-Series meets or exceeds M32139 performance specifications

(for full specification details please consult website)

Performance;

Contact Rating;	1 Amperes maximum
Solderability;	Terminals (except crimp) tested in accordance with Mil-STD 202
Wire Size;	Stranded 30 and 32awg or Solid 30awg as standard. (for others consult factory)
Test Voltage;	250v RMS, 60Hz
Operating Temperature;	-55c to +125c
Insulation Resistance;	5,000 megohms minimum at 100vdc
Durability;	200 connector mating cycles
Vibration;	Tested in accordance with EIA-364
Shock;	Tested in accordance with EIA-364
Salt Spray;	Tested in accordance with EIA-364 (Mated connectors)
Humidity;	Tested in accordance with EIA-364 (Mated connectors)
Thermal Shock;	Tested to the temperature extremes of EIA-364
Contact Resistance;	0.021 volt maximum drop @ 1.0amps (0.21 ohms)
Contact Engaging Force;	5.0 ounce maximum, with minimum diameter test sleeve
Contact Separating Force;	0.4 ounce minimum, with maximum diameter test sleeve

Materials and Finishes.

Contacts;	Pins= BeCu alloy strip Sockets= Brass
Contact Finish;	Gold Plate
Shells;	Aluminium Alloy , Passivated Stainless Steel , Passivated Titanium
Aluminium Shell Finishes;	Electroless Nickel, Electrodeposited Cadmium
Moulded Insulators;	Glass filled Liquid Crystal Polymer (LCP)
Hardware;	All corrosion resistant steel

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