



W-Series

Approved to Mil-DTL-55302, typical contact spacing of 0.10" (2.54mm), contact counts from 3 to 208 and an extensive range of termination and contact options. The W-Series is the benchmark against which so many others are measured

W Series

MIL-DTL-55302 CONNECTORS 0.10" (2.54mm)

AirBorn W-Series meets or exceeds MIL-C-55302 performance specifications

(for full specification details please consult website)

Performance;

Contact Rating;	5 Amperes
Solderability;	Terminals (except crimp, wire wrap) tested in accordance with Mil-STD 202
Wire Size;	Stranded 22 AWG (consult factory for other sizes)
Operating Temperature;	-65c to +125c

Requirements tested per SAE-AS-13441

Test Voltage;	300v RMS, 60Hz @70,000ft 1000v RMS, 60Hz at sea level
Insulation Resistance;	5,000 megohms minimum at 500vdc
Durability;	500 connector mating cycles
Vibration;	Mated Connectors
Shock;	Mated Connectors
Salt Spray;	Mated Connectors
Humidity;	Test type 2
Temperature Cycling;	Mated Connectors
Contact Resistance;	0.005 ohms max (interface measurement)/0.25 volt maximum drop @ 5 amperes
Connector Engaging Force;	4 oz maximum with .031 diameter test per SAE-AS31971

Materials and Finishes.

Contacts;	Pins= Copper Alloy Clipped Sockets= BeCu/ Copper Alloy
Contact Finish;	Gold Plate / Localized finish
Moulded Insulators;	Glass filled Polyphenylene Sulfide
Hardware;	Jackscrows, Jacksockets, Guide Pins/Sockets all passivated Stainless Steel
Face Seal Gasket;	Silicone Rubber

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