



R-Series

A range of high density Metal and Plastic Shell connectors. Based on M55302 approval with a contact spacing of only 0.075" (1.905mm) and contact counts from 11 to over 600 positions. A wide range of termination styles, including PTH, SMT, Solder Cup, Crimp and Press-Fit are available enabling customer selection of their preferred option. AirBorn's R-Series is becoming the standard for high density interconnection applications.

R Series

MIL-C-55302 CONNECTORS 0.075" (1.905mm)

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

(for full specification details please consult website)

Performance;

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|-------------------------------|--|
| Contact Rating; | 3 Amperes (2 Amperes for .016 diameter) |
| Solderability; | Terminals (except crimp, wire wrap, stackable) tested in accordance with Mil-STD 202 |
| Wire Size; | Stranded 26AWG |
| Operating Temperature; | -65c to +125c |

Requirements tested per SAE-AS-13441

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|--------------------------------|--|
| Test Voltage; | 250v RMS, 60Hz @70,000ft 750v 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; | 0.015 ohms max (interface measurement) @ 3 amperes |
| Connector Mating Force; | 2.50 oz x number of contacts average |
| Outgassing; | Consult catalog |

Materials and Finishes.

| | |
|----------------------------|---|
| Contacts; | Pins= BeCu or Brass Alloy Sockets= BeCu or Brass Alloy |
| Contact Finish; | Gold Plate |
| Solder; | Sn/Pb alloy or SAC305 (Tin/silver/copper) |
| Moulded Insulators; | Glass filled Polyphenylene Sulfide |
| Hardware; | Jackscrews, Jackposts,, nuts, clips, washers, guide pins all Stainless Steel |

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