

# Specifications

## Materials and Finishes \*

<b>Contacts:</b>	Pins: BeCu alloy strip per ASTM B194 Sockets: Brass per ASTM B121 / B121M or ASTM B16 / B16M or ASTM B453
<b>Contact Finish:**</b>	Gold plate per ASTM B488
<b>Shells:</b>	Aluminum Alloy 6061-T6 per SAE AMS-QQ-A-250/11 or 6061-T6511 per SAE AMS-QQ-A-200/8 or Stainless Steel 300 series per ASTM A484 / A484M and ASTM A582 / A582M Passivated per SAE AMS2700
<b>Aluminum Shell Finishes:**</b>	Electroless Nickel per SAE AMS2404, Class 3, 500 $\mu$ " min Electrodeposited Cadmium per SAE AMS-QQ-P-416, Type II, Class 3 Black Anodized per MIL-A-8625, Type III, Class 2 Gold per MIL-DTL-45204, Type II, Grade C, Class 0 Zinc Nickel Alloy per ASTM B841, Class 1 Pure Electrodeposited Aluminum per MIL-DTL-83488, type 2 High Phosphorus Nickel with Fluorocarbon Polymer additive per SAE AMS2454, Grade 2E, Type V (9% MIN Phosphorus content by weight)
<b>Molded Insulators:</b>	Glass filled polyphenylene sulfide per MIL-M-24519
<b>Embedment:</b>	Frey Engineering Co. insulating compound CF3003-80 and L-II-49 or equivalent
<b>Jackscrows, Jackposts and Nuts:</b>	Corrosion resistant steel per ASTM A320 or ASTM A484 / A484M and ASTM A582 / A582M Passivated per SAE AMS2700
<b>Clips and Washers:</b>	Corrosion resistant steel per ASME 18.24 or NASM35333 or ASTM A484/A484M and ASTM A582/A582M (For reference only: ASME 18.24 CRS per ASTM A693 and NASM35333 CRS per ASTM A240) Passivated per ASME 18.24 or NASM35333 or SAE AMS2700 (For reference only: ASME 18.24 and NASM35333 passivated per SAE AMS2700)
<b>Guide Pins</b>	Corrosion resistant steel per ASTM A484 / A484M and ASTM A582 / A582M Passivated per SAE AMS2700
<b>Latches</b>	Beryllium copper in accordance with ASTM B194 Electroless Nickel plate per SAE AMS2404
<b>Interfacial Seal Gaskets:</b>	Fluorosilicone per MIL-DTL-25988
<b>Tolerances:**</b>	Unless otherwise specified: Fractions = $\pm 1/64$ " Decimals = $\pm .010$ " Angles = $\pm 5^\circ$ Wire lengths: insulated/stranded = $+1.0"/-0.0$ " uninsulated/solid = $+0.2"/-0.0$ "

Note: AirBorn can manufacture special configurations for your exact specifications.

\* = Reference the above listed specifications or an equivalent industry standard when applicable

\*\* = When ordering to Mil Spec P/N, Mil Spec requirements apply