

SPECIFICATIONS – SURFACE MOUNT CONNECTORS

MATERIALS AND FINISHES*

CONTACTS:	Pins: BeCu alloy strip per ASTM B194 Sockets: Brass per ASTM B121/B121M or ASTM B16/B16M or ASTM B453
CONTACT FINISHES:	Gold plate per ASTM B488
SHELLS:	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
ALUMINUM SHELL FINISHES:**	Electroless Nickel per SAE AMS2404, Class 3, 500 µm" min Electrodeposited Cadmium per SAE AMS-QQ-P-416, Type II, Class 3 Black Anodized per MIL-A-8625, Type III, Class 2
MOLDED INSULATORS:	Glass-filled polyphenylene sulfide per MIL-M-24519
EMBEDMENT:	Frey Engineering Co. insulating compound CF3003-80 and L-II-49 or equivalent
JACKSCREWS, JACKPOSTS AND NUTS:	Corrosion resistant steel per ASTM A320 or ASTM A484 / A484M and ASTM A582 / A582M Passivated per SAE AMS2700
CLIPS AND WASHERS:	Corrosion resistant steel per ASME 18.24 or NASM35333 or ASTM A484 / A484M and ASTM A582/A582M (<i>For reference only: ASME 18.24 CRS per ASTM A693 and NASM35333 CRS per ASTM A240</i>) Passivated per ASME 18.24 or NASM35333 or SAE AMS2700 (<i>For reference only: ASME 18.24 and NASM35333 passivated per SAE AMS2700</i>)
BRACKETS:	Card Edge Mount: Aluminum Alloy 7075-T6 per SAE AMS-QQ-A-250/12 or SAE AMS-QQ-A-200/11 plating consistent with aluminum shell Horizontal Surface Mount: Corrosion resistant steel per ASTM A240 Passivated per SAE AMS2700
INTERFACIAL SEAL GASKETS:	Fluorosilicone per SAE AMS-R-25988
TOLERANCES:	(Unless otherwise specified) Fractions: $\pm 1/64$ " Decimals: ± 0.010 " Angles: $\pm 5^\circ$ Wire lengths: uninsulated/solid: $+0.2"/-0.0$ "

NOTES

Molex can manufacture special configurations for your exact specifications.

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