



Series 970 Connectors and Accessories
Technical Reference
Contact Rating, Materials and Finishes

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MATERIALS AND FINISHES		
COMPONENT	MATERIAL	FINISH
Contacts, Size #1/0, #4 and #8	Pin contact and socket contact body: high-conductivity copper alloy per ASTM B301 Hermetic contact: ferrous alloy per ASTM B 829 Socket contact spring: beryllium copper	Code 1: Silver per ASTM-B700, 0.0002 – 0.0003 thick over nickel plate per QQ-N-290 class 2 .000050-.000100 thick Code 2: Gold per ASTM B488, Type II, Code C, Class 1.25, .000050-.000100 thick over nickel plate per QQ-N-290, Class 2, .000050-.000100 thick
Contacts, Size #12 and #16	Pin contact: copper alloy Socket contact: copper alloy, stainless steel hood	Gold per ASTM B488, Type II, Code C, 0.000015-0.000025 thick over palladium per ASTM B679, 0.000060-0.000100 thick, over nickel per SAE AMS-QQ-N-290 Class 2, 0.000050-0.000100 thick
Contacts, Hermetic, Size #12 and #16	Pin contact: ferrous alloy per ASTM B 829 Socket Contact: ferrous alloy pin, copper alloy socket, stainless steel hood	Code 1: Silver per ASTM-B700, 0.0002 – 0.0003 thick over nickel plate per QQ-N-290 class 2 .000050-.000100 thick Code 2: Gold per ASTM B488, Type II, Code C, Class 1.25, .000050-.000100 thick over nickel plate per QQ-N-290, Class 2, .000050-.000100 thick
Aluminum Shells, Coupling Nuts	Aluminum alloy 6061 or 7075	See Ordering Information
Stainless Steel Shells, Coupling Nuts, Hermetic Receptacle Shells	Stainless steel, AISI 316	See Ordering Information
Insulators	Fiberglass-reinforced thermosetting epoxy resin per ASTM-D-5948, Type GEI-5, black	None
Insulator, Hermetic	Vitreous glass	None
Interfacial Seals, Grommets	Fluorosilicone/silicone blend, blue	None
EMI Spring	Beryllium copper	Nickel-plated
Contact Retention Clip	Beryllium copper	None
Clinch Nut	Stainless Steel	Passivated
Anti-Decoupling Ratchet Spring	Stainless Steel	None
Filter Element	Multilayer ceramic planar array	