

"ZERO-CROSSTALK" Series 794 VersaLink™ Connectors



Material and Finish Options

SERIES 794 VERSALINK CONNECTORS

STANDARD MATERIALS AND FINISHES

Description	Material	Finish
Contacts	Copper alloy	50 microinches gold over nickel
Socket contact hood (#22HD only)	Stainless steel	Passivated
Shell	Aluminum alloy 6061	See table below
Insulators	High-grade rigid dielectric	None
Interfacial seal and grommet	Fluorosilicone blend elastomer	None
O-ring, non-conductive	Fluorosilicone blend elastomer	None
O-ring, conductive	Silver-plated aluminum-filled fluorosilicone	None
EMI spring	Beryllium copper	Nickel
Retention clips	Beryllium copper	Nickel
Hardware	300 series stainless steel	Passivated
Potting compound	Epoxy	None



The United States Department of Defense (DoD) has issued a directive to minimize or eliminate the use of cadmium and hexavalent cadmium on DoD equipment. The DoD has approved nickel-PTFE and zinc-nickel shell platings as replacements for cadmium plating. European Union Directive 2011/65/EU, with amendment 2015/83, on Restriction of the use of certain Hazardous Substances (RoHS) states that certain types of equipment (primarily consumer products such as personal computers) shall not contain lead, mercury, cadmium, hexavalent chromium, PBB, PBDE, DEHP, BBP, DBP, OR DIBP.

The three standard shell finish options in this catalog comply with RoHS and DoD directives. Please contact the factory to verify all components meet RoHS compliance regulations.

STANDARD CONNECTOR SHELL FINISH CODES

Plating Code	Type	Salt Spray Hours	Application Notes
M	Electroless Nickel	48	Standard finish for Series 79 connectors. Approved for space programs. Excellent conductivity. Reflective. RoHS compliant. ASTM B733 Category SC2
MT	Nickel-PTFE	500	Excellent corrosion resistance and durability. Excellent conductivity. Matte, light grey appearance. Solderable. RoHS compliant. SAE AMS2454
ZR	Black Zinc-Nickel	500	DoD-approved alternative to olive-drab cadmium. Excellent corrosion resistance and good electrical conductivity. Non-reflective black. RoHS compliant, ASTM B841 Type D

ADDITIONAL CONNECTOR SHELL FINISH CODES

Plating Code	Type	Salt Spray Hours	Application Notes
Z2	Gold	48	RoHS compliant. MIL-DTL-45204
J	Cadmium/Gold Chromate	500	Not allowed in space applications. Excellent conductivity and corrosion resistance. <u>Not RoHS compliant.</u> SAE AMS-QQ-P-416
NF	Cadmium, Olive Drab Chromate	500	Not allowed in space applications. Excellent conductivity and corrosion resistance. <u>Not RoHS compliant.</u> SAE AMS-QQ-P-416
C	Black Anodize	336	Non-conductive, not suitable for EMI-protected equipment. Cadmium-free. RoHS compliant. MIL-A-8625