

SERIES 28 HiPer-D Introduction and Technical Reference

Plating Options



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ABOUT SERIES 28 HIPER-D® SHELL PLATING OPTIONS



HiPer-D® connectors are available with aluminum or stainless steel shells, plated with a variety of finishes to meet every application. These options include high performance cadmium-free finishes. The United States Department of Defense (DOD) has mandated the elimination of cadmium from DOD weapons systems because of toxicity concerns. The European Union has also restricted the use of cadmium on electronics equipment (RoHS).

In this catalog's ordering information you will find five preferred material and finish options: electroless nickel, yellow chromate over cadmium, nickel-PTFE, black zinc-nickel and passivated stainless steel. The table below shows selected additional options that are also available on any Series 28 HiPer-D® connector. Glenair offers the industry's widest selection of shell material and plating options with no minimum order quantity or setup charge.

HiPer-D® Aluminum Shell Plating Codes					
Shell Plating	Glenair Plating Code	Salt Fog (Hours)	RoHS Compliant	Conductivity	Typical Applications
Electroless Nickel	ME	96	Yes	Excellent	Space vehicles, missiles, avionics, unmanned vehicles, instrumentation. Corresponds to MIL-DTL-24308 Class K.
Nickel-PTFE	MT	500	Yes	Excellent	Harsh environment, soldier systems, communications equipment. Corresponds to MIL-DTL-24308 Code T.
Zinc-Nickel with Black Chromate	ZR	500	Yes	Good	Harsh environment, soldier systems. Corresponds to MIL-DTL-24308 Code K.
Cadmium with Olive-Drab Chromate	NF	500	No	Excellent	Harsh environment, military equipment.
Cadmium with Yellow Chromate	JF	500	No	Excellent	General purpose military equipment. Comparable to MIL-DTL-24308 Code F.
Black Anodize	C	336	Yes	Non-Conductive	Applications where EMI shielding is not required.
Gold	Z2	48	Yes	Excellent	Space. Corresponds to M24308 Class M.
Chem Film	E	48	No	Excellent	Avionics
Stainless Steel, Electroless Nickel	ZM	500	Yes	Excellent	Extreme environments where stainless steel is preferred for strength, corrosion resistance, and where high conductivity is desired.
Stainless Steel, Passivated	Z1	500	Yes	Good	Extreme environments where stainless steel is preferred for strength, corrosion resistance. Corresponds to MIL-DTL-24308 Class P.