



Series 811 Mighty Mouse High Density (HD) Connector Material and Finish Options

Connector Finishes

Three standard plating finishes are available for Series 811 connectors: nickel, nickel-PTFE and black zinc-nickel. Other finishes are readily available; however, these three finishes are recommended for most operating environments.

Choose **electroless nickel** (ME) for best shielding performance where connectors are not likely to be subjected to corrosive environments.

Nickel-PTFE (code MT) is an extremely durable, conductive finish now replacing olive-drab cadmium in corrosive environments. The gun metal grey color is compatible with most equipment.

Black Zinc-Nickel (Code ZR) is intended for tactical equipment where a non-reflective finish is preferred.

Connector Materials

For most applications, aluminum alloy is the preferred material choice for connector bodies, coupling nuts and jam nuts. However, Series 811 connectors are also available in stainless steel or marine bronze. Refer to the table below for alternate material choices. Replace the standard material/finish code with the desired code from the table.

SERIES 811 MATERIAL AND FINISH CODES							
Code	Material	Finish	Finish Specification	Hrs. Salt Spray	Electrical Conductivity	Operating Temp. Range	RoHS Compliance
AB	Marine Bronze	Unplated		1000	Conductive	-65 to +200°C	✓
AL	Aluminum	AlumiPlate	MIL-DTL-83488	1000	Conductive	-65 to +175°C	✓
C	Aluminum	Anodize, Black	AMS-A-8625	336	Non-Conductive	-65 to +175°C	✓
E	Aluminum	Chem Film	MIL-DTL-5541	168	Conductive	-65 to +175°C	
G2	Aluminum	Anodize, Hardcoat	AMS-A-8625	336	Non-Conductive	-65 to +200°C	✓
JF	Aluminum	Cadmium, Gold	SAE-AMS-QQ-P-416	1000	Conductive	-65 to +175°C	
LF	Aluminum	Cadmium, Clear	SAE-AMS-QQ-P-416	1000	Conductive	-65 to +175°C	
ME	Aluminum	Electroless Nickel	AMS-C-26074	96	Conductive	-65 to +200°C	✓
MT	Aluminum	Nickel-PTFE	GMF-002	1000	Conductive	-65 to +175°C	✓
NC	Aluminum	Zinc-Cobalt, Olive Drab	ASTM B 840	350	Conductive	-65 to +175°C	
NF	Aluminum	Cadmium, Olive Drab	SAE-AMS-QQ-P-416	1000	Conductive	-65 to +175°C	
P	Stainless Steel	Electrodeposited Nickel	SAE-AMS-QQ-N-290	500	Conductive	-65 to +200°C	✓
UC	Aluminum	Zinc-Cobalt, Black	ASTM B 840	350	Conductive	-65 to +175°C	
UCR	Aluminum	Zinc-Cobalt, Black (RoHS)	ASTM B 840	350	Conductive	-65 to +175°C	✓
Z1	Stainless Steel	Passivate	SAE-AMS-QQ-P-35	1000	Conductive	-65 to +200°C	✓
Z2	Aluminum	Gold	MIL-DTL-45204	48	Conductive	-65 to +200°C	✓
ZC	Stainless Steel	Zinc-Cobalt, Black	ASTM-B840	1000	Conductive	-65 to +175°C	
ZCR	Stainless Steel	Zinc-Cobalt, Black (RoHS)	ASTM-B840	1000	Conductive	-65 to +175°C	✓
ZL	Stainless Steel	Electrodeposited Nickel	SAE-AMS-QQ-N-290	1000	Conductive	-65 to +200°C	✓
ZM	Stainless Steel	Electroless Nickel	AMS-C-26074	1000	Conductive	-65 to +200°C	✓
ZMT	Stainless Steel	Nickel-PTFE	GMF-002	1000	Conductive	-65 to +175°C	✓
ZN	Aluminum	Zinc-Nickel, Olive Drab	ASTM B841	1000	Conductive	-65 to +175°C	
ZNU	Aluminum	Zinc-Nickel, Black	ASTM B841	1000	Conductive	-65 to +175°C	
ZR	Aluminum	Zinc-Nickel, Black	ASTM B841	1000	Conductive	-65 to +175°C	✓
ZU	Stainless Steel	Cadmium, Black	SAE-AMS-QQ-P-416	1000	Conductive	-65 to +175°C	
ZW	Stainless Steel	Cadmium, Olive Drab	SAE-AMS-QQ-P-416	2000	Conductive	-65 to +175°C	

Dimensions in Inches (millimeters) are subject to change without notice.