



Glenair Connector Material and Finish Options

This chart presents a selection of the broad range of base materials, plating options, specifications and codes available for Glenair-made connectors.

Code	Material	Finish	Finish Specification	Salt Spray Hours*	Electrical Conductivity	Operating Temp. Range	RoHS	Notes
AB	Marine Bronze	Unplated	AMS4640 alloy, unplated	1000	Conductive	-65° to +200°C	✓	Marine and geo-physical applications.
C	Aluminum	Anodize, Black	MIL-PRF-8625, Type II, Class 2	336	Non-Conductive	-65° to +200°C	✓	Glenair's standard black anodize finish.
E	Aluminum	Chem Film, Gold	MIL-DTL-5541, Type I, Class 3	168	Conductive	-65° to +125°C		Glenair's standard chem film finish.
ER	Aluminum	Chem Film, Clear	MIL-DTL-5541, Type II, Class 3	168	Conductive	-65° to +125°C	✓	Glenair's RoHS compliant chem film finish.
G	Aluminum	Hard Anodize, Natural	MIL-PRF-8625, Type III, Class 1	500	Non-Conductive	-65° to +200°C	✓	Glenair's standard hard anodize finish.
GB4	Aluminum	Hard Anodize, Black, w/ PTFE	MIL-PRF-8625, Type III, Class 2, Black, with PTFE coating	500	Non-Conductive	-65° to +200°C	✓	MIL-PRF-28876 standard non-conductive finish
JF	Aluminum	Cadmium, Yellow-Gold	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	500	Conductive	-65° to +175°C		Glenair's standard yellow-gold Cadmium finish.
LF	Aluminum	Cadmium, Clear	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	500	Conductive	-65° to +175°C		Glenair's standard clear Cadmium finish.
M	Aluminum	Electroless Nickel	AMS-C-26074, Grade B; ASTM B733, SC 2	48	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel finish.
MA	Aluminum	Electroless Nickel	AMS-C-26074, Grade A; ASTM B733, SC 3	96	Conductive	-65° to +200°C	✓	Glenair's standard high-build matte electroless Nickel finish.
ME	Aluminum	Electroless Nickel	AMS-C-26074, Grade A; ASTM B733, SC 3	96	Conductive	-65° to +200°C	✓	Glenair's standard high-build electroless Nickel finish.
MT	Aluminum	Nickel-PTFE	AMS2454	500	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel-PTFE finish.
NC	Aluminum	Zinc-Cobalt, Olive Drab	ASTM B840, over electroless Nickel	240	Conductive	-65° to +175°C	✓	Not recommended for new projects. ZN is preferred.
NF	Aluminum	Cadmium, Olive Drab	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	500	Conductive	-65° to +175°C		Glenair's standard olive drab Cadmium finish.
TP2	Titanium	Electrodeposited Nickel	AMS-QQ-N-290, Class 1, Grade G	96	Conductive	-65° to +200°C	✓	Glenair's standard electrodeposited Nickel over Titanium.
TZ	Aluminum	Tin-Zinc, Green-Gold	AMS2434, Type 2, over electroless Nickel	500	Conductive	-65° to +175°C	✓	Glenair's recommended Cadmium-compatible replacement
UCR	Aluminum	Zinc-Cobalt, Black	ASTM B840, over electroless Nickel	240	Conductive	-65° to +175°C	✓	Not recommended for new projects. ZR is preferred.
UF	Aluminum	Cadmium, Black	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	500	Conductive	-65° to +175°C		Glenair's standard black Cadmium finish.
XB	Composite	Unplated, Black	[N/A]	2000	Non-Conductive	-65° to +175°C	✓	Glenair's standard unplated composite.
XM	Composite	Electroless Nickel	AMS-C-26074, Grade B; ASTM B733, SC 2	2000	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel over composite.
XMT	Composite	Nickel-PTFE	AMS2454	2000	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel-PTFE over composite.
XW	Composite	Cadmium, Olive Drab	AMS-QQ-P-416, Type II, Class 3, over electroless Nickel	2000	Conductive	-65° to +175°C		Glenair's standard olive drab Cadmium over composite.
XZN	Composite	Zinc-Nickel, Black	ASTM B841, over electroless Nickel	2000	Conductive	-65° to +175°C		Glenair's standard black Zinc-Nickel over composite.
Z1	Stainless Steel	Passivate	AMS2700	500	Conductive	-65° to +200°C	✓	Glenair's standard passivated stainless steel.
Z2	Aluminum	Gold	MIL-DTL-45204, Class 1, over electroless Nickel	48	Conductive	-65° to +200°C	✓	Glenair's standard Gold finish.
ZCR	Stainless Steel	Zinc-Cobalt, Black	ASTM B840	240	Conductive	-65° to +175°C	✓	Not recommended for new projects. ZZR is preferred.
ZL	Stainless Steel	Electrodeposited Nickel	AMS-QQ-N-290, Class 2	500	Conductive	-65° to +200°C	✓	Glenair's standard electrodeposited Nickel over stainless steel.
ZM	Stainless Steel	Electroless Nickel	AMS-C-26074, Grade A	1000	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel over stainless steel.
ZMT	Stainless Steel	Nickel-PTFE	AMS2454	1000	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel-PTFE over stainless steel.
ZN	Aluminum	Zinc-Nickel, Olive Drab	ASTM B841, over electroless Nickel	500	Conductive	-65° to +175°C		Glenair's standard olive drab Zinc-Nickel.
ZNU	Aluminum	Zinc-Nickel, Black	ASTM B841, over electroless Nickel	500	Conductive	-65° to +175°C	✓	Glenair's standard black Zinc-Nickel. (for new projects use ZR)
ZR	Aluminum	Zinc-Nickel, Black	ASTM B841, over electroless Nickel	500	Conductive	-65° to +175°C	✓	Glenair's standard black Zinc-Nickel finish.
ZU	Stainless Steel	Cadmium, Black	AMS-QQ-P-416, Type II, Class 2	500	Conductive	-65° to +175°C		Glenair's standard black Cadmium over stainless steel.
ZW	Stainless Steel	Cadmium, Olive Drab	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	500	Conductive	-65° to +175°C		Glenair's standard olive drab Cadmium over stainless steel.
ZZR	Stainless Steel	Zinc-Nickel, Black	ASTM B841, over electroless Nickel	500	Conductive	-65° to +175°C	✓	Glenair's standard black Zinc-Nickel over stainless steel.

* Includes durability where applicable (dynamic test) with pass/fail criteria per MIL-DTL-38999



Glenair Backshell and Accessory Material and Finish Options

Backshell and accessory base materials, plating options, specifications and codes

Code	Material	Finish	Finish Specification	Salt Spray Hours*	Electrical Conductivity	Operating Temp. Range	RoHS	Notes
A	Aluminum	Cadmium, No Chromate	AMS-QQ-P-416, Type I, Class 3	48	Conductive	-65° to +175°C		Not recommended for new projects. LF is preferred.
AB	Marine Bronze	Unplated	AMS4640 alloy, unplated	2000	Conductive	-65° to +200°C	✓	Marine and geophysical applications.
B	Aluminum	Cadmium, Olive Drab	AMS-QQ-P-416, Type II, Class 3	96	Conductive	-65° to +175°C		Not recommended for new projects. NF is preferred.
C	Aluminum	Anodize, Black	MIL-PRF-8625, Type II, Class 2	336	Non-Conductive	-65° to +175°C	✓	Glenair's standard black anodize finish.
E	Aluminum	Chem Film, Gold	MIL-DTL-5541, Type I, Class 3	168	Conductive	-65° to +125°C		Glenair's standard chem film finish.
ER	Aluminum	Chem Film, Clear	MIL-DTL-5541, Type II, Class 3	168	Conductive	-65° to +125°C	✓	Glenair's RoHS compliant chem film finish.
G	Aluminum	Hard Anodize, Natural	MIL-PRF-8625, Type III, Class 1	500	Non-Conductive	-65° to +200°C	✓	Glenair's standard hard anodize finish.
GB4	Aluminum	Hard Anodize, Black, w/ PTFE Coating	MIL-PRF-8625, Type III, Class 2, Black, with PTFE coating	1000	Non-Conductive	-65° to +200°C	✓	MIL-PRF-28876 standard non-conductive finish.
J	Aluminum	Cadmium, Yellow-Gold	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	500	Conductive	-65° to +175°C		Not recommended for new projects. JF is preferred.
JF	Aluminum	Cadmium, Yellow-Gold	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	1000	Conductive	-65° to +175°C		Glenair's standard yellow-gold Cadmium finish.
LF	Aluminum	Cadmium, Clear	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	1000	Conductive	-65° to +175°C		Glenair's standard clear Cadmium finish.
M	Aluminum	Electroless Nickel	AMS-C-26074, Grade B; ASTM B733, SC 2	48	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel finish.
MA	Aluminum	Electroless Nickel	AMS-C-26074, Grade A; ASTM B733, SC 3	96	Conductive	-65° to +200°C	✓	Glenair's standard high-build matte electroless Nickel finish.
ME	Aluminum	Electroless Nickel	AMS-C-26074, Grade A; ASTM B733, SC 3	96	Conductive	-65° to +200°C	✓	Glenair's standard high-build electroless Nickel finish.
MT	Aluminum	Nickel-PTFE	AMS2454	1000	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel-PTFE finish.
N	Aluminum	Cadmium, Olive Drab	AMS-QQ-P-416, Type II, Class 3, over electroless Nickel	500	Conductive	-65° to +175°C		Not recommended for new projects. NF is preferred.
NC	Aluminum	Zinc-Cobalt, Olive Drab	ASTM B840, over electroless Nickel	240	Conductive	-65° to +175°C	✓	Not recommended for new projects. ZN is preferred.
NF	Aluminum	Cadmium, Olive Drab	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	1000	Conductive	-65° to +175°C		Glenair's standard olive drab Cadmium finish.
TP2	Titanium	Electrodeposited Nickel	AMS-QQ-N-290, Class 1, Grade G	96	Conductive	-65° to +200°C	✓	Glenair's standard electrodeposited Nickel finish over Titanium.
TZ	Aluminum	Tin-Zinc, Green-Gold	AMS2434, Type 2, over electroless Nickel	1000	Conductive	-65° to +175°C	✓	Glenair's recommended Cadmium-compatible replacement.
U	Aluminum	Cadmium, Black	AMS-QQ-P-416, Type II, Class 3	96	Conductive	-65° to +175°C		Not recommended for new projects. UF is standard.
UCR	Aluminum	Zinc-Cobalt, Black	ASTM B840, over electroless Nickel	240	Conductive	-65° to +175°C	✓	Not recommended for new projects. ZR is preferred.
UF	Aluminum	Cadmium, Black	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	1000	Conductive	-65° to +175°C		Glenair's standard black Cadmium finish.
XB	Composite	Unplated, Black		2000	Non-Conductive	-65° to +175°C	✓	Glenair's standard unplated composite.
XM	Composite	Electroless Nickel	AMS-C-26074, Grade B; ASTM B733, SC 2	2000	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel finish over composite.
XMT	Composite	Nickel-PTFE	AMS2454	2000	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel-PTFE finish over composite.
XO	Composite	Unplated, Light Brown		2000	Non-Conductive	-65° to +175°C	✓	Not recommended for new projects. Use XB.
XW	Composite	Cadmium, Olive Drab	AMS-QQ-P-416, Type II, Class 3, over electroless Nickel	2000	Conductive	-65° to +175°C		Glenair's standard olive drab Cadmium finish over composite.
XZN	Composite	Zinc-Nickel, Black	ASTM B841, over electroless Nickel	2000	Conductive	-65° to +175°C		Glenair's standard black Zinc-Nickel finish over composite.
Z1	Stainless Steel	Passivate	AMS2700	1000	Conductive	-65° to +200°C	✓	Glenair's standard passivated stainless steel.
Z2	Aluminum	Gold	MIL-DTL-45204, Class 1, over electroless Nickel	48	Conductive	-65° to +200°C	✓	Glenair's standard Gold finish.
ZCR	Stainless Steel	Zinc-Cobalt, Black	ASTM B840	240	Conductive	-65° to +175°C	✓	Not recommended for new projects. ZZR is preferred.
ZL	Stainless Steel	Electrodeposited Nickel	AMS-QQ-N-290, Class 2	500	Conductive	-65° to +200°C	✓	Glenair's standard electrodeposited Nickel over stainless steel.
ZM	Stainless Steel	Electroless Nickel	AMS-C-26074, Grade A	2000	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel over stainless steel.
ZMT	Stainless Steel	Nickel-PTFE	AMS2454	2000	Conductive	-65° to +200°C	✓	Glenair's standard electroless Nickel-PTFE over stainless steel.
ZN	Aluminum	Zinc-Nickel, Olive Drab	ASTM B841, over electroless Nickel	1000	Conductive	-65° to +175°C		Glenair's standard olive drab Zinc-Nickel finish.
ZNU	Aluminum	Zinc-Nickel, Black	ASTM B841, over electroless Nickel	1000	Conductive	-65° to +175°C	✓	Glenair's standard black Zinc-Nickel. (for new projects use ZR)
ZR	Aluminum	Zinc-Nickel, Black	ASTM B841, over electroless Nickel	1000	Conductive	-65° to +175°C	✓	Glenair's standard black Zinc-Nickel finish.
ZU	Stainless Steel	Cadmium, Black	AMS-QQ-P-416, Type II, Class 2	1000	Conductive	-65° to +175°C		Glenair's standard black Cadmium over stainless steel.
ZW	Stainless Steel	Cadmium, Olive Drab	AMS-QQ-P-416, Type II, Class 2, over electroless Nickel	1000	Conductive	-65° to +175°C		Glenair's standard olive drab Cadmium over stainless steel.
ZZR	Stainless Steel	Zinc-Nickel, Black	ASTM B841, over electroless Nickel	1000	Conductive	-65° to +175°C	✓	Glenair's standard black Zinc-Nickel over stainless steel.

* In accordance with AS85049 (static test), pass/fail criteria per AIR 4789