



Material and Finish Table

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

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, Matte	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-durability 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
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.
ZL	Stainless Steel	Electrodeposited Nickel	AMS-QQ-N-290, Class 2	500	Conductive	-65° to +200°C	✓	Glenair's standard electrodeposited Nickel over SST
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 SST.
ZN	Aluminum	Zinc-Nickel, Olive Drab	ASTM B841, over electroless Nickel	500	Conductive	-65° to +175°C	✓	Glenair's standard olive drab Zinc-Nickel.
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.



Material and Finish Cross-Reference Tables

AS85049 Material and Finish Codes

AS85049 Class	Glenair Code	Material	Finish
A	C (G)	Aluminum	Anodize
B	ZU	Stainless Steel	Cadmium, Black
G	MA	Aluminum	Electroless Nickel, Matte
J	XW	Composite	Cadmium, Olive Drab
L	XX	Composite	Cadmium, Olive Drab (sel.)
M	XM	Composite	Electroless Nickel
N	M	Aluminum	Electroless Nickel
P	NFP	Aluminum	Cadmium, Olive Drab (sel.)
S	Z1	Stainless Steel	Passivated
T	XO	Composite	No Plating
V	TZ	Aluminum	Tin-Zinc
VC	XTZ	Composite	Tin-Zinc
VL	XTS	Composite	Tin-Zinc, Selective
VP	TS	Aluminum	Tin-Zinc, Selective
VS	ZTZ	Stainless Steel	Tin-Zinc
W	NF	Aluminum	Cadmium, Olive Drab
X	MT	Aluminum	Nickel-PTFE
XC	XMT	Composite	Nickel-PTFE
XS	ZMT	Stainless Steel	Nickel-PTFE
Y	AL	Aluminum	Alumiplate
YC	XAL	Composite	Alumiplate
YL	XAP	Composite	Alumiplate (selective)
YP	ALP	Aluminum	Alumiplate (selective)
YS	ZAL	Stainless Steel	Alumiplate
Z	ZR	Aluminum	Zinc-Nickel, Black
ZC	XZR	Composite	Zinc-Nickel, Black
ZL	XZS	Composite	Zinc-Nickel, Black (selective)
ZP	ZS	Aluminum	Zinc-Nickel, Black (selective)
ZS	ZZR	Stainless Steel	Zinc-Nickel, Black

MIL-DTL-28840 Material and Finish Codes

M28840 Class	Glenair Code	Material	Finish
A	NF	Alum.	Cadmium, Olive Drab
B	ZU	316 SST	Cadmium, Black
C	NF	Alum.	Cadmium, Olive Drab
E	ZU	316 SST	Cadmium, Black
F	AL	Alum.	Alumiplate
G	AL	Alum.	Alumiplate
L	TZ	Alum.	Tin-Zinc
M	TZ	Alum.	Tin-Zinc
S	ZR	Alum.	Zinc-Nickel, Black
U	ZR	Alum.	Zinc-Nickel, Black

MIL-DTL-38999 Material and Finish Codes

M38999 Class	Glenair Code	Material	Finish
A	JF, LF	Aluminum	Cadmium, Clear Chromate
B	NF	Aluminum	Cadmium, Olive Drab
C	G	Aluminum	Hardcoat Anodize
D	FT	Steel	Fused Tin
E	Z1	Stainless Steel	Passivated
F	M	Aluminum	Electroless Nickel
G	MA	Aluminum	Electroless Nickel, Matte
H	Z1	Stainless Steel	Passivated
J	XW	Composite	Cadmium, Olive Drab
K	Z1	Stainless Steel	Passivated
L	ZL	Stainless Steel	Electrodeposited Nickel
M	XM	Composite	Nickel
N	ZL	Stainless Steel	Electrodeposited Nickel
R	ME	Aluminum	Electroless Nickel
S	ZL	Stainless Steel	Electrodeposited Nickel
T	MT	Aluminum	Nickel-PTFE
V	TZ	Aluminum	Tin-Zinc
U	JF	Aluminum	Cadmium, Clear Chromate
W	NF	Aluminum	Cadmium, Olive Drab
Y	Z1	Stainless Steel	Passivated
Z	ZR	Aluminum	Zinc-Nickel, Black

MIL-DTL-83723 Material and Finish Codes

M83723 Class	Glenair Code	Material	Finish
A	G	Aluminum	Hardcoat Anodize
G	Z1	Stainless Steel	Passivated
H	FT	Steel	Tin
J	FT	Steel	Tin
K	Z1	Stainless Steel	Passivated
L	ZL	Stainless Steel	Electrodeposited Nickel
M	AL	Aluminum	Alumiplate
N	ZL	Stainless Steel	Electrodeposited Nickel
P	Z1	Stainless Steel	Passivated
R	M	Aluminum	Electroless Nickel
S	Z1	Stainless Steel	Passivated
T	MT	Aluminum	Nickel-PTFE
W	NF	Aluminum	Cadmium, Olive Drab
Y	Z1	Stainless Steel	Passivated
Z	ZR	Aluminum	Zinc-Nickel, Black

AS50151 Material and Finish Codes

AS50151 Class	Glenair Code	Material	Finish
A	NF	Aluminum	Cadmium, Olive Drab
B	NF	Aluminum	Cadmium, Olive Drab
C	NF	Aluminum	Cadmium, Olive Drab
D	NF	Aluminum	Cadmium, Olive Drab
DJ	NF	Aluminum	Cadmium, Olive Drab
DJ	ZU	Stainless Steel	Cadmium, Black
DJS	ZU	Stainless Steel	Cadmium, Black
DSN	ZL	Stainless Steel	Electrodeposited Nickel
DT	MT	Aluminum	Nickel-PTFE
DV	TZ	Aluminum	Tin-Zinc
DY	AL	Aluminum	Alumiplate
DZ	ZR	Aluminum	Zinc-Nickel, Black
E	NF	Aluminum	Cadmium, Olive Drab
F	NF	Aluminum	Cadmium, Olive Drab
H	SM	Steel	Electroless Nickel
HT	FT	Steel	Fused Tin
K (Solder)	SN	Steel	Cadmium, Olive Drab
K (Crimp)	SM	Steel	Electroless Nickel
KT	SN	Steel	Cadmium, Olive Drab
L	M	Aluminum	Electroless Nickel
P	NF	Aluminum	Cadmium, Olive Drab
R	NF	Aluminum	Cadmium, Olive Drab
U	M	Aluminum	Electroless Nickel
W	NF	Aluminum	Cadmium, Olive Drab
WT	MT	Aluminum	Nickel-PTFE
WY	AL	Aluminum	Alumiplate
WZ	ZR	Aluminum	Zinc-Nickel, Black
X	NF	Aluminum	Cadmium, Olive Drab

EN 2997 Material and Finish Codes

EN 2997 Class	Glenair Code	Material	Finish
K	Z1	Stainless Steel	Passivated
KE	Z1	Stainless Steel	Passivated
KV	Z1	Stainless Steel	Passivated
R	M	Aluminum	Electroless Nickel
RS	M	Aluminum	Electroless Nickel
S	Z1	Stainless Steel	Passivated
SE	Z1	Stainless Steel	Passivated
SV	Z1	Stainless Steel	Passivated
W	NF	Aluminum	Cadmium, Olive Drab
WS	NF	Aluminum	Cadmium, Olive Drab
Y	Z1	Stainless Steel	Passivated
YE	Z1	Stainless Steel	Passivated

AS81703 Material and Finish Codes

AS81703 Class	Glenair Code	Material	Finish
E	M	Aluminum	Electroless Nickel
H	FT	Steel	Tin
L	M	Aluminum	Electroless Nickel

MIL-DTL-26482 Material and Finish Codes

M24682 Class	Glenair Code	Material	Finish
A	G	Aluminum	Hardcoat Anodize
H	FT	Steel	Fused Tin
K	MT	Aluminum	Zinc-Nickel, Black
L	M	Aluminum	Electroless Nickel
N	FT	Steel	Fused Tin
T	MT	Aluminum	Nickel-PTFE
V	TZ	Aluminum	Tin-Zinc
W	NF	Aluminum	Cadmium, Olive Drab

MIL-DTL-24308 Accessory Finish Codes

M24308 Finish	Glenair Code	Material	Finish
A	AL	Aluminum	Alumiplate
F	JF	Aluminum	Cadmium, Yellow Chromate
K	ZR	Aluminum	Zinc-Nickel, Black
T	MT	Aluminum	Nickel-PTFE
P	Z1	Stainless Steel	Passivated
Z	Y2	Aluminum	Zinc, Yellow Chromate

MIL-DTL-83513 Accessory Finish Codes

M83513 Finish	Glenair Code	Material	Finish
A	AL	Aluminum	Alumiplate
C	JF	Aluminum	Cadmium, Yellow Chromate
K	ZR	Aluminum	Zinc-Nickel, Black
N	M	Aluminum	Electroless Nickel
P	Z1	Stainless Steel	Passivated
T	MT	Aluminum	Nickel-PTFE