

Series 793 Material and Finish Options Polarization Keying Options

The Series 793 Dual-bay connector is available in five preferred finishes:

electroless nickel, nickel-PTFE, tin-zinc, cadmium, and zinc-nickel.

Additional material and finish options are available. Replace the preferred plating code with the alternate code from the table below.

TIN-ZINC PLATING

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). Tin-Zinc is a RoHS cadmium-free sacrificial finish that offers high conductivity and shielding performance, corrosion resistance, solderability, and proven compatibility with legacy cadmium and zinc-nickel finishes. Tin-Zinc is DLA-qualified and RoHS compliant.

SERIES 79 PREFERRED FINISH OPTIONS					
	Electroless Nickel	Nickel-PTFE	Tin-Zinc	Olive Drab Cadmium	Black Zinc-Nickel
Glenair Code	M	MT	TZ	N	ZR
Corrosion Resistance	Fair	Excellent	Excellent	Excellent	Excellent
Temperature Range	-65 to +200 °C	-65 to +175 °C	-65 to +175 °C	-65 to +175 °C	-65 to +175 °C
Salt Spray Hours	48	500	500	500	500
Conductivity	Excellent	Excellent	Very Good	Very Good	Very Good
RoHS Compliant ⁽¹⁾	Yes	Yes	Yes	No	Yes

⁽¹⁾ Does not contain cadmium or hexavalent chromium. Meets EU requirements.

ALTERNATE SHELL MATERIAL AND FINISH CODES

Code	Shell Material	Shell Finish	Finish Specification	Salt Spray Hrs.	Electrical Conductivity	RoHS ⁽¹⁾
C	Alum	Anodize, Black	MIL-PRF-8625	48	Non-Conductive	✓
E⁽²⁾	Alum	Chem Film, Gold	MIL-DTL-5541	168	Conductive	
J	Alum	Cadmium, Yellow	AMS-QQ-P-416	500	Conductive	
Z1	SST	Passivate	AMS2700	500	Conductive	✓
Z2	Alum	Gold	MIL-DTL-45204	48	Conductive	✓
ZM	SST	Electroless Nickel	AMS-C-26074	500	Conductive	✓
ZMT	SST	Nickel-PTFE	AMS2454	1000	Conductive	✓
ZW	SST	Cadmium, Olive Drab	AMS-QQ-P-416	500	Conductive	
ZZR	SST	Zinc-Nickel, Black	ASTM B841	500	Conductive	✓

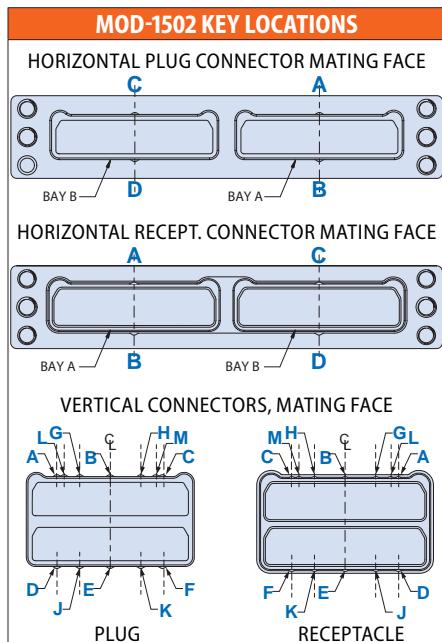
⁽¹⁾ Does not contain cadmium or hexavalent chromium. Meets EU requirements.

⁽²⁾ Maximum temperature = +125°C

OPTIONAL POLARIZATION KEYS

To prevent mis-mating of identical shell size and insert arrangement connectors

Series 793 connectors are available with an integral polarizing key. Keyed plug connectors have a raised boss on the shell. Receptacles have corresponding keyway. Add the keying position letter designator to the end of the part number to order. *Note: keyed receptacles will mate with unkeyed plugs.*



HOW TO ORDER					
Step 1	Create a Series 793 connector part number:				
Step 2	Add the keying position letter designator to the part number: A, B, C, or D (for horizontal connectors); or A, B, C, D, E, F, G, H, J, K, or L (for vertical connectors)				
	793-001SA17W17B102MG				
	793-001SA17W17B102MGB				

POLARIZING KEY LOCATIONS - HORIZONTAL CONNECTORS

All horizontal connector polarizing keys are on the centerline, as shown in the diagram.

POLARIZING KEY LOCATIONS - VERTICAL CONNECTORS											
Key Position Offset From Vertical Centerline											
Position A		Position B		Position C		Position D		Position E		Position F	
in±.001	mm±.003	in±.001	mm±.003	in±.001	mm±.003	in±.001	mm±.003	in±.001	mm±.003	in±.001	mm±.003
.550	13.97	0.000	0.00	.550	13.97	.600	15.24	0.000	0.00	.600	15.24
Position G		Position H		Position J		Position K		Position L		Position M	
in±.001	mm±.003	in±.001	mm±.003	in±.001	mm±.003	in±.001	mm±.003	in±.001	mm±.003	in±.001	mm±.003
0.315	8.00	0.315	8.00	0.350	8.89	0.350	8.89	0.475	12.07	0.475	12.07