



Glenair IPT SE Series Bayonet-Lock High Performance Crimp Contact (MIL-C-26482 Type) Materials and Finishes

MATERIALS		
SHELLS	INSERTS (Temperature Range)	SURFACE FINISHES
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C	Olive Drab Cadmium Plating IAW QQ-P-416
Stainless Steel Coupling Pins	High Insulation Synthetic Rubber (Fluoroelastomer): -55°C/+200°C	Bright Nickel Plating - F2 (RoHs)
Stainless Steel Spring	CONTACTS	Black Electrodeposited Paint - F6 (RoHs)
		Black Zn-Co Plating - F7 (RoHs)
		Olive Drab Zn-Co Plating - F8
	Copper Alloy with Gold Plating Over Nickel	

STANDARD FINISHES (For QQ-A-591 Aluminum Shells)					
Requirements	IAW RoHS			Not IAW RoHS	
	F2 Electrolytic Nickel	F6 Black Non Conductive	F7 Black Conductive	G3 Cadmium with Olive Drab Passivation	F8 Zinc Cobalt with Olive Drab Passivation
Thermal Shock	-40°C + 100°C	-55°C + 125°C	-55°C + 125°C	-55°C + 125°C	-40°C + 100°C
Salt Spray After Thermal Shock	24 hour	500 hour	500 hour	500 hour	200 hour
Electical Conductivity	Very Good	NO	Very Good	Very Good	Good
Abrasion Resistance	Very Good	Very Good	Good	Very Good	Good

MODIFICATION CODES	
Shell Finish (Omit for Standard Cad/Olive Drab Finish)	Assembly with Accessories (Omit for Standard Version)
F2 - Bright Nickel Plating (RoHs)	Key Polarization (Omit for N version) W, X, Y, Z = Alternates
F6 - Black Electrodeposited Paint (RoHs)	N0 - Connector Less Backshell
F7 - Black Zn-Co Plating (RoHs)	GXXX - Custom Designed Connector
F8 - Olive Drab Zn-Co Plating	

The Glenair IPT SE miniature bayonet-lock connector series features a 3 point bayonet coupling mating interface with stainless steel coupling pins for advanced durability. Resilient inserts provide outstanding dielectric performance and environmental protection. Individual wire sealing grommets elevate the environmental protection rating to IP67. Conductive metal shells and plating provide a reliable ground plane for EMI applications when connectors are combined with appropriate shield termination backshells. Ground springs are also available in plug versions to further enhance EMC. Shells are keyed with five total alternate key positions. Inserts may also be clocked for additional polarization protection. The connectors are temperature rated from -55°C to +125°C (see page A-3 for current ratings versus temperature). High performance crimp contacts facilitate rapid assembly and repair.