

SERIES 151 HIGH PERFORMANCE
MIL-DTL-55116 Type
Audio Frequency Connectors



High reliability performance
for mission-critical communication systems

The MIL-DTL-55116 audio frequency connector has been used in tactical radio systems for generations. Now, this reliable, field-cleanable interconnect has been specified for use in the Joint Tactical Radio System—the next generation voice and data radio for U.S. military field operations, ensuring its continued use and service to soldiers, sailors and airmen. The Glenair MIL-DTL-55116 Type connector is manufactured in our Glendale, California factory with materials and processes guaranteed to result in the best performing and most reliable connector system available. Best of all, these products—from crimp and solder termination cable plugs, to ruggedized and sealed receptacles are in-stock and available for immediate, same-day shipment.

Series 151 standard version offers performance IAW MIL-DTL-55116

Test Description	Procedure Per MIL-DTL-55116	Test Description	Procedure Per MIL-DTL-55116 Or Other Standard
Dielectric withstanding voltage	4.7.1	Pull test	4.8.7
Insulation resistance	4.7.2	Bounce	4.9.1
Contact resistance	4.7.3	Vibration	4.9.2 and MIL-STD-202G, method 201A
Contact depression	4.8.1	Drop	4.9.3
Air pressure	4.8.2	Temperature cycling	MIL-STD-202, method 107, test condition A
Mating durability	4.8.3	Salt spray	MIL-STD-202, method 101E, test condition B
Contact retention	4.8.4	Humidity	4.9.6 and EIA-364-31, method IV (step 7a not required)
Compression	4.8.6	Water immersion	4.9.7

Series 151 Standard MIL-DTL-55116 Type Audio Connectors - Product Selection Guide

	151-001 Standard MIL-DTL-55116 type audio plug, field-servicable with wire strain relief and rigid contacts
	151-002 Standard MIL-DTL-55116 type audio plug with overmold adapter and rigid contacts
	151-003 Standard MIL-DTL-55116 type radio-mount Jam Nut receptacle with non-rigid spring contacts
	151-004 Standard MIL-DTL-55116 type in-line receptacle with wire strain relief and non-rigid spring contacts
	667-374 Protective Cover for 151 Series Plugs
	667-355 Protective Cover for 151 Series Receptacles

SERIES 15
CB Series Pogo Pin
Audio Connectors



Series CB
Cable Plug



Series CB
Jam Nut Receptacle

- Qualified to VG95351 (seven pole) and VG96934 (ten pole)
- Ultraminiature version of U.S. standard 55116 audio frequency connectors
- Robust environmental, mechanical and EMI performance
- High durability—5000 mating cycles

The compact audio frequency bayonet connector with spring-loaded contacts—VG qualified!

CB Series Specifications

Current rating	2.5 Amps per contact maximum
Voltage rating (DWV)	500 VAC
Insulation resistance	5000 MΩ
Durability	5000 cycles of mating, minimum
Contact resistance	5 mΩ
Water ingress protection	IP68
Water immersion	2 meters, 48 hours
Air pressure	0.4 bar
Operating temperature	-55° C to +85° C
Shielding effectiveness	50 dB attenuation up to 100 MHz
Corrosion resistance (salt spray)	48 hours
Maximum wire size	1mm maximum diameter



CB 10 Pin (left) Compared to MIL-DTL-55116 6 Pin Connector



Turnkey
Cordsets

Self-Cleaning "Wiping" Contacts

