

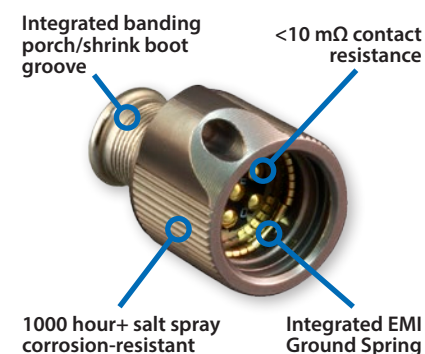


SERIES 152 HIGH PERFORMANCE MIL-DTL-55116 Type High-Performance Audio Frequency Connectors



SERIES 152 • MIL-DTL-55116 TYPE HiPer 55116 Audio Frequency Connectors

Series 152 HiPer 55116 connectors offer significant performance advantages for modern soldier communication systems



Fully intermateable and interoperable with MIL-DTL-55116 connectors

- Intermateable and interoperable with standard MIL-DTL-55116 connectors
- Low contact resistance: less than 10 milliohms
- Integrated EMI ground spring provides improved 2.5 milliohm shell-to-shell conductivity performance
- IP68 rated sealing in mated and unmated condition, prevents water ingress into radio equipment
- 1,000 hour+ salt spray corrosion resistance
- Integrated cable shield termination band porch
- Superior 100 pound cable pull test rating

Series 152 HiPer 55116 Selection Guide			
Part Description	Glenair P/N	Equivalent Mil P/N, "U" designator	Mates with
Audio plug, field serviceable, with wire strain relief and rigid contacts	152-001	M55116/1 - /4 type U-229	152-003 HiPer 55116 type jam nut receptacle 152-004 HiPer 55116 type in-line receptacle 151-003 standard 55116 type jam nut receptacle 151-004 standard 55116 type in-line receptacle any M55116 receptacle
Overmolded audio plug cordset with wire strain relief	152-006		
Audio plug with shield termination porch, overmolding adapter and rigid contacts	152-002	M55116/5 - /8 type U-229	152-003 HiPer 55116 type jam nut receptacle 152-004 HiPer 55116 type in-line receptacle 151-003 standard 55116 type jam nut receptacle 151-004 standard 55116 type in-line receptacle any M55116 receptacle
Overmolded audio plug cordset	152-005		
In-line receptacle with shield termination porch, overmolding adapter, and non-rigid spring contacts	152-004	M55116/5 - /8 type U-229	152-003 HiPer 55116 type jam nut receptacle 152-004 HiPer 55116 type in-line receptacle 151-003 standard 55116 type jam nut receptacle 151-004 standard 55116 type in-line receptacle any M55116 receptacle
Overmolded in-line receptacle cordset	152-007		
Radio-mount jam nut receptacle with non-rigid spring contacts	152-003	M55116/9 - /10 type U-183	152-001 HiPer 55116 type plug 152-002 HiPer 55116 type plug 151-001 standard 55116 type plug 151-002 standard 55116 type plug any M55116 plug

Series 152 HiPer 55116 Performance Specifications	
Complies with all MIL-DTL-55116 specifications and exceeds the following performance criteria:	
Shell-to-shell conductivity	152-001 and -002 Plugs: 2.5 milliohms max. 152-003 receptacle: 2.5 milliohms max when mated to Glenair HiPer 55116 plug 152-001 or -002
Cable shield-to-shell conductivity	2.5 milliohms max.
Contact resistance (mated)	15 milliohms max. average; 20 milliohms max.
Water immersion (mated & un-mated)	152-002 plug, 152-003 receptacle: IP68 (10 meters of standing water for 1 hour)
Air Pressure	15 psi
Salt spray	1,000 hours (MIL-STD-202, Method 101E)
Cable pull-out force (unmated)	152-001 and -002 plugs: 100 lbs. (Cable shield strength dependent)
All other performance characteristics of Series 152 HiPer 55116 connectors are compliant with MIL-DTL-55116 (see table on Page 11 for specifications)	

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