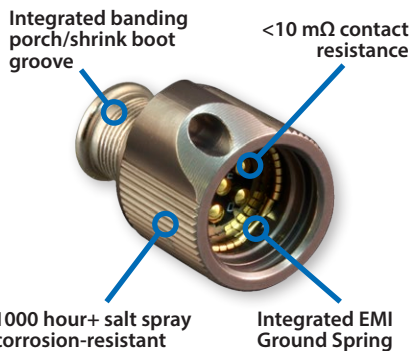




# QPL AND HIGH-PERFORMANCE MCOTS HiPer 55116 Tactical Radio Connectors and Cables

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

## Glenair DLA Qualified Series 151 Standard MIL-DTL-55116 audio connectors



**151-001** MIL-DTL-55116 QPL audio plug with wire strain relief



**151-002** MIL-DTL-55116 QPL audio plug with overmold adapter



**151-003** MIL-DTL-55116 QPL radio-mount jam nut audio receptacle



**151-004** MIL-DTL-55116 QPL in-line audio receptacle with wire strain relief



# SERIES 152 INTERMATEABLE HiPer 55116 Radio Connectors and Cables



## TACTICAL INTERCONNECT SOLUTIONS

### Selection Guide • Performance specifications

Series 152 Hi Per 55116 Selection Guide			
Part Description	Glenair P/N	Corresponding Mil P/N, "U" designator	Mates with
 Audio plug, field serviceable, with wire strain relief and rigid contacts, crimp and solder cup	<a href="#">152-001</a>	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
 Crimp-removable contact audio plug, field-serviceable with wire strain relief	<a href="#">157-009</a>		
 Overmolded audio plug cordset with wire strain relief	<a href="#">152-006</a>		
 Audio plug with shield termination porch, overmolding adapter and rigid contacts, crimp and solder cup	<a href="#">152-002</a>	M55116/5 - /8 type U-182	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
 Crimp-removable contact audio plug with shield termination porch and overmolding adapter	<a href="#">157-010</a>		
 Overmolded audio plug cordset	<a href="#">152-005</a>		
 In-line receptacle with shield termination porch, overmolding adapter, and non-rigid spring contacts, crimp and solder cup	<a href="#">152-004</a>	M55116/11 - /14 type U-228	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
 Crimp-removable contact in-line audio receptacle, shield termination porch and overmolding adapter	<a href="#">157-011</a>		
 Overmolded in-line audio receptacle cordset	<a href="#">152-007</a>		
 Radio-mount jam nut audio receptacle with non-rigid spring contacts	<a href="#">152-003</a>	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
 Radio-mount jam nut audio receptacle with PC tails	<a href="#">152-013</a>		
 Radio-mount jam nut audio receptacle with PC tails and 3 ground pins	<a href="#">152-012</a>		
 Filtered radio-mount jam nut audio receptacle with non-rigid spring contacts, solder cup	<a href="#">240-152-003</a>		
 Filtered radio-mount jam nut audio receptacle with PC tails	<a href="#">240-152-013</a>		

### 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 standing water/1 hr.)

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)