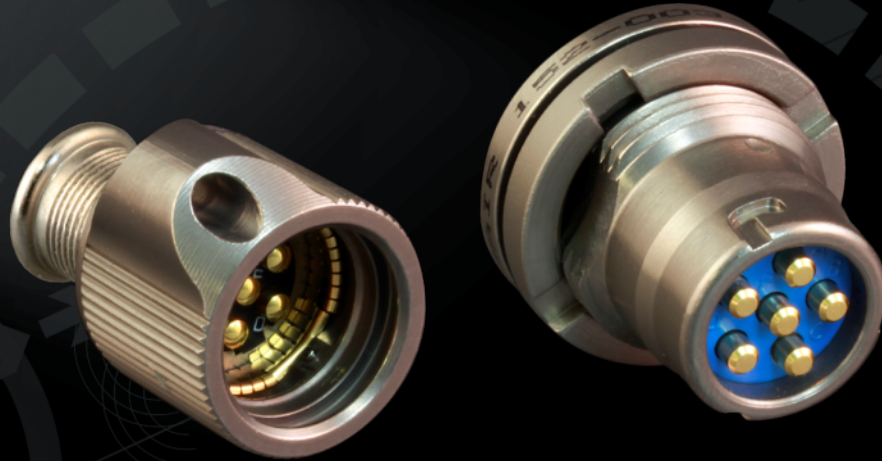


The widest range of  
mission-critical interconnect  
technologies in the world



**MIL-DTL-55116 QPL and MCOTS  
Radio Connectors and Cables**

# MIL-DTL-55116 High Performance Soldier Radio Connector Series

## Significant advantages compared to QPL standard

- Mates to standard MIL-DTL-55116 connectors
- Low contact resistance
- Enhanced EMI protection
- IP68 rated mated and unmated
- Integrated band porch
- 100 lbs. cable pull rated



# MIL-DTL-55116 High Performance Soldier Radio Connector Series



TACTICAL  
INTERCONNECT  
SOLUTIONS

## Series 152 HiPer 55116 Audio Connectors



**152-002** HiPer 55116  
audio plug



**157-010** HiPer 55116  
*crimp-removable*  
contact audio plug



**152-005**  
HiPer 55116  
overmolded audio  
plug cordset



**152-001** HiPer 55116  
audio plug with wire  
strain relief



**157-009**  
HiPer 55116  
*crimp-removable*  
contact audio plug  
with wire strain relief



**152-006**  
HiPer 55116  
audio plug cordset



**152-004** HiPer  
55116 in-line  
audio receptacle



**157-011** HiPer  
55116 *crimp-removable*  
contact in-line  
audio receptacle



**152-007**  
HiPer 55116  
overmolded  
in-line audio  
receptacle  
cordset



**152-003**  
HiPer 55116  
radio-mount  
jam nut audio  
receptacle



**152-013**  
HiPer 55116  
audio receptacle  
with PC tails



**152-012**  
HiPer 55116  
audio receptacle  
with PC tails and  
3 ground pins



**240-152-003**  
HiPer 55116  
*filtered* radio-  
mount jam  
nut audio  
receptacle,  
solder cups



**240-152-013**  
HiPer 55116  
*filtered* radio-  
mount jam  
nut audio  
receptacle, PC  
tails

# MIL-DTL-55116 High Performance Soldier Radio Special Connectors and Accessories



TACTICAL  
INTERCONNECT  
SOLUTIONS

## Series 151 MIL-DTL-55116 type special connectors, adapters, and accessories



**151-015** MIL-DTL-55116 type all-metal audio plug with wire strain relief



**157-008** MIL-DTL-55116 type audio plug with integral configurable 90° backshell



**151-005** MIL-DTL-55116 type audio receptacle with PC tails



**151-010** MIL-DTL-55116 type audio receptacle with PC tails and 3 ground pins



**157-005** Audio connector feed-thru adapter, 55116 to D38999



**157-012** Audio connector feed-thru adapter, 55116 to Mighty Mouse 804



**657-098** Dummy receptacle for series 151 and 152 plugs



**664-374** and **667-355**  
Protective covers for series 151 and 152 connectors



**151-008** Rubber protective cover for series 151 and 152 receptacles

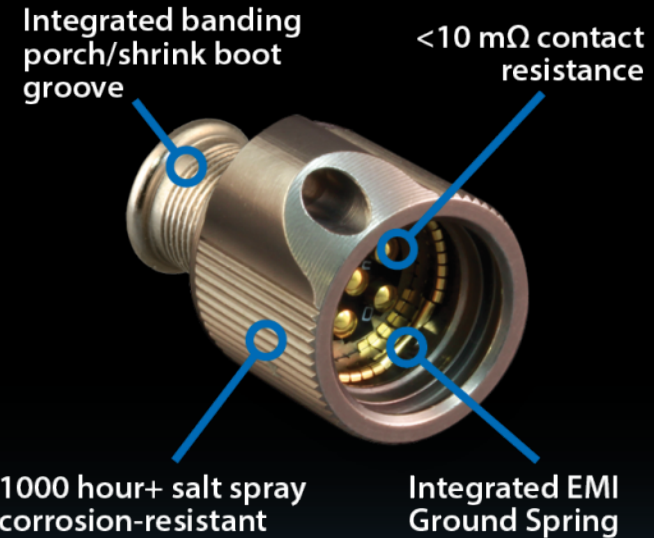
# MIL-DTL-55116 High Performance Soldier Radio Connector Series



TACTICAL  
INTERCONNECT  
SOLUTIONS

## Enhanced environmental and electrical performance

- 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



# MIL-DTL-55116 High Performance Soldier Radio Connector Series



TACTICAL  
INTERCONNECT  
SOLUTIONS

## Performance Specs

- 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)



# MIL-DTL-55116 QPL Soldier Radio Connectors



## Series 151 Standard MIL-DTL-55116 QPL 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



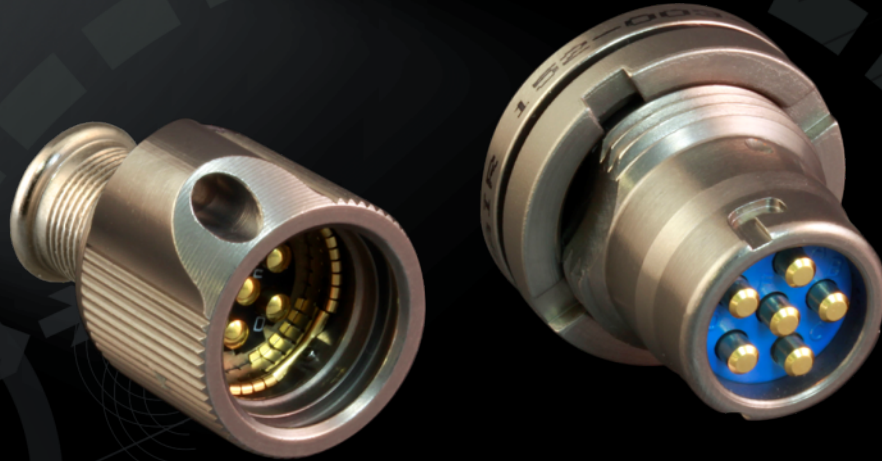
**151-003** MIL-DTL-55116 QPL  
radio-mount jam nut audio  
receptacle



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



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