



BETTER THAN QPL!

MIL-DTL-55116 TYPE AUDIO FREQUENCY CONNECTORS

SUPERIOR ELECTRICAL, ENVIRONMENTAL, AND MECHANICAL PERFORMANCE

APRIL 2014



**Series 152
HiPer 55116
with EMI Ground
Spring**

SERIES
151 AND 152



Standard and High-Performance Versions

Series 151 (MIL-DTL-55116 type standard-duty) and Series 152 (high-performance) audio frequency connectors



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. Glenair manufactures two versions of the MIL-DTL-55116 Type connector: a standard-performance QPL type solution, and an intermateable advanced-performance derivative with:

- 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
- 1,000 hour+ salt spray corrosion resistance
- Integrated cable shield termination band porch
- Superior 100 pound cable pull test rating



Glenair, Inc.
1211 Air Way
Glendale, CA
91201-2497
818-247-6000
sales@glenair.com
www.glenair.com

Selection guide

Series 152 HiPer 55116 Audio Connectors

Advanced performance features • product selection • performance specifications

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152-002 HiPer 55116 audio plug with shield termination porch, overmolding adapter and rigid contacts

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152-005 HiPer 55116 overmolded audio plug cordset

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152-001 HiPer 55116 audio plug, field-servicable with wire strain relief and rigid contacts

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152-004 HiPer 55116 in-line receptacle with shield termination porch, overmolding adapter and non-rigid spring contacts

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

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152-003 HiPer 55116 radio-mount Jam Nut receptacle with non-rigid spring contacts

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Series 151 Standard MIL-DTL-55116 type audio connectors

Performance specifications

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151-001 Standard MIL-DTL-55116 type audio plug, field-servicable with wire strain relief and rigid contacts

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151-002 Standard MIL-DTL-55116 type audio plug with overmold adapter and rigid contacts

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151-003 Standard MIL-DTL-55116 type radio-mount Jam Nut receptacle with non-rigid spring contacts

pg. 14



151-004 Standard MIL-DTL-55116 type in-line receptacle with wire strain relief and non-rigid spring contacts

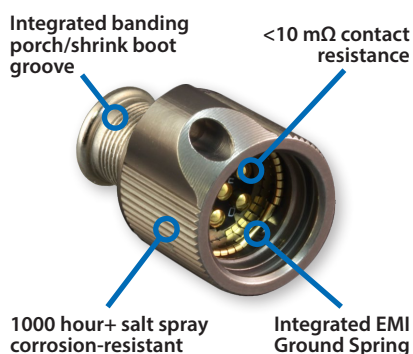
pg. 15



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



Selection Guide • Performance specifications

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

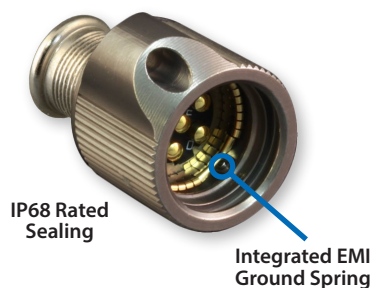
Series 152 HiPer 55116 Performance Specifications	
Complies with all MIL-DTL-55116 specifications and exceeds the following performance criteria:	
Shell-to-shell conductivity	152-001 and -002 Plugs: 2.5 milliohms max. 152-003 receptacle: 2.5 milliohms max when mated to Glenair HiPer 55116 plug 152-001 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)	

Audio Plug with shield termination porch and overmolding adapter

152-002

AUDIO PLUG WITH INTEGRATED EMI GROUND SPRING, SHIELD TERMINATION PORCH, INTEGRATED OVERMOLDING/SEALING BOOT FEATURE AND RIGID CONTACTS

MATES WITH 152-003 AND 152-004, 151-003 AND 151-004, AND STANDARD MIL-DTL-55116 RECEPTACLES



How To Order			
Sample Part Number	152-002	-1	-3
Series	HiPer 55116 Audio plug with overmold adapter		
Connector Configuration (See Table I)	-1 = 5 pin, crimp -2 = 6 pin, crimp	-3 = 5 pin, solder cup -4 = 6 pin, solder cup	
Size	-1 = .165 ± .010 -2 = .228 ± .010 -3 = .250 ± .010	-4 = .290 ± .010 -5 = .320 ± .010	

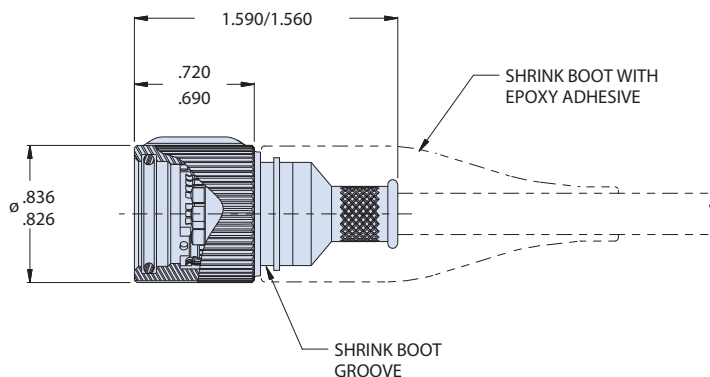
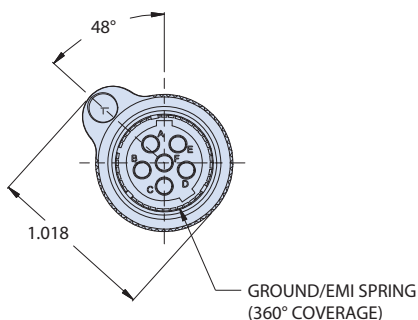


Table I: Connector Configuration

5 Contacts		6 Contacts	
152-002-1	M55116/5 type (U-229) Plug, 5 Crimp Contacts	152-002-2	M55116/6 type (U-229) Plug, 6 Crimp Contacts
152-002-3	M55116/7 type (U-229) Plug, 5 Solder Cup Contacts	152-002-4	M55116/8 type (U-229) Plug, 6 Solder Cup Contacts

MATERIALS AND FINISHES

Shells and backshells: Stainless steel/PTFE-nickel plated (matte finish)
 Inserts: Diallylphthalate resin type SDG-F
 Seals: Ethylene propylene rubber
 Contacts: Copper alloy/gold plate

NOTES

Plugs are identified with Glenair's name, part number and date code
 Meets interface configurations and IAW specifications of MIL-DTL-55116 Type C, and exceeds the following:
 Shell-to-shell conductivity: 2.5 milliohms max.
 Cable shield-to-shell conductivity: 2.5 milliohms max.
 Contact resistance (mated): 15 milliohms max. average; 20 milliohms max.
 Pressure sealing (mated & un-mated): IP68 (10 meters of standing water for 1 hour)
 Salt atmosphere: 1,000 hours (MIL-STD-202, Method 101E)
 Cable pull-out force (unmated): 100 lbf. (Cable shield strength dependent)

HIPER 55116

Overmolded Audio Plug Cordset

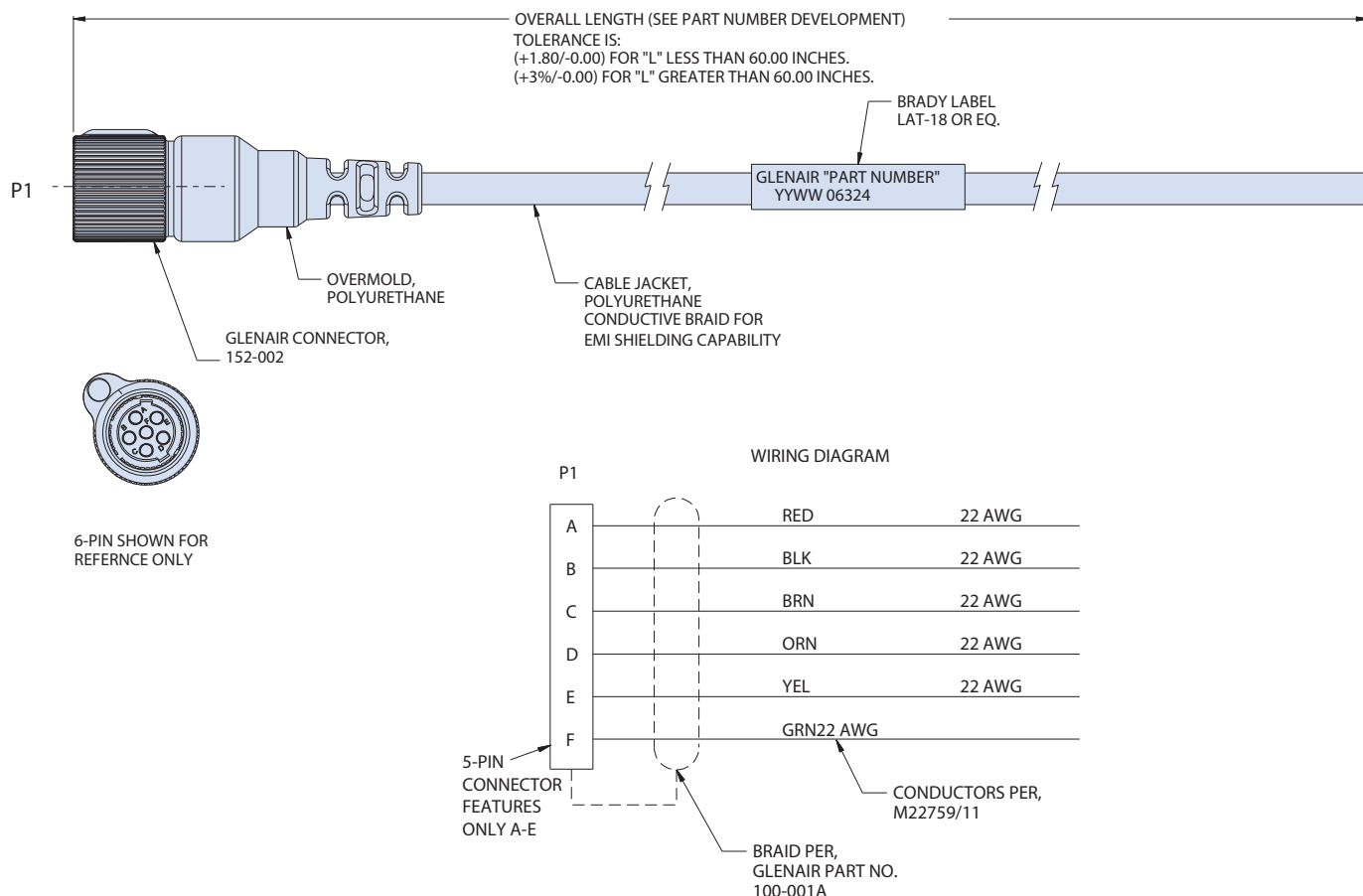
152-005



OVERMOLDED AUDIO PLUG CORDSET



How To Order			
Sample Part Number	152-005	-6	-XX
Series	HiPer 55116 Overmolded Cordset		
Pin Count	5 - 5-Pin 6 - 6-Pin		
Length	Overall length in inches		



NOTES

- 100% electrical test, continuity, DWV (500 VAC sea level) and insulation resistance (200 Megohms minimum)
- Unit Pack: 1 ea. 4 mil poly bag, heat-sealed. Includes dust cap.
- Refer to part no. 152-002 for connector materials, finishes, and dimensions.
- Wire corresponding to contact "F" to be trimmed and insulated with M23053/8 shrink tubing if 5-pin connector is specified.

HIPER 55116

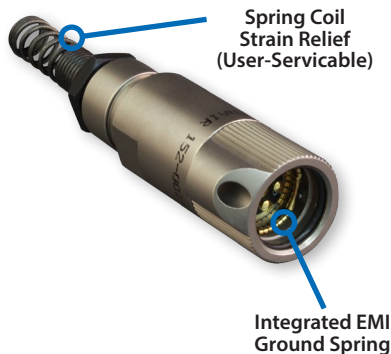
Audio plug with wire strain relief

152-001



AUDIO PLUG, FIELD-SERVICABLE WITH WIRE STRAIN RELIEF AND RIGID CONTACTS

MATES WITH 152-003 AND 152-004, 151-003 AND 151-004, AND STANDARD MIL-DTL-55116 RECEPTACLES



How To Order			
Sample Part Number	152-001	-1	-3
Series	HiPer 55116 Audio plug with wire strain relief		
Connector Configuration (See Table I)	-1 = 5 pin, crimp	-3 = 5 pin, solder cup	
	-2 = 6 pin, crimp	-4 = 6 pin, solder cup	
Size	-1 = .165 ± .010	-4 = .290 ± .010	
	-2 = .228 ± .010	-5 = .320 ± .010	
	-3 = .250 ± .010		

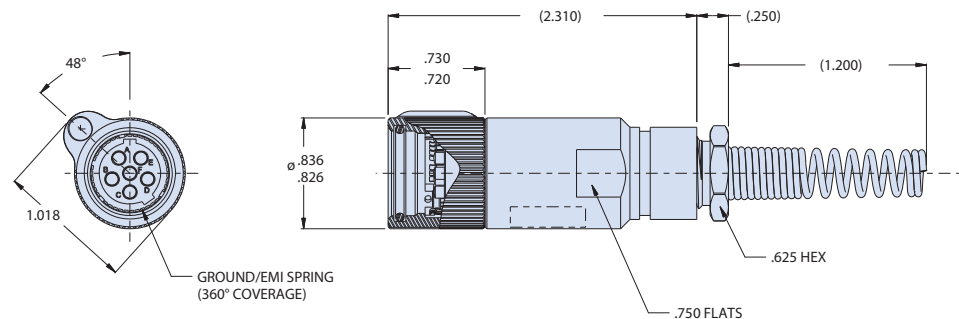


Table I: Connector Configuration

 5 Contacts		 6 Contacts	
152-001-1	M55116/1 type (U-229) Plug, 5 Crimp Contacts	152-001-2	M55116/2 type (U-229) Plug, 6 Crimp Contacts
152-001-3	M55116/3 type (U-229) Plug, 5 Solder Cup Contacts	152-001-4	M55116/4 type (U-229) Plug, 6 Solder Cup Contacts

MATERIALS AND FINISHES

Shells and backshells: Stainless steel/PTFE-nickel plated (matte finish)
 Inserts: Diallylphthalate resin type SDG-F
 Seals: Ethylene propylene rubber
 Other metals: Aluminum alloy 6061 T6/hard anodized (dark gray)
 Strain Relief Spring: Steel corrosion resistant wire/chemical blackening
 Contacts: Copper alloy/gold plate

NOTES

Plugs are identified with Glenair's name, part number and date code.
 Meets interface configurations and IAW specifications of MIL-DTL-55116 Type C, and exceeds the following:
 Shell-to-shell conductivity: 2.5 milliohms max.
 Cable shield-to-shell conductivity: 2.5 milliohms max.
 Contact resistance (mated): 15 milliohms max. average; 20 milliohms max.
 Pressure sealing (mated & un-mated): IP67 (1 meter of standing water for 1 hour)
 Salt atmosphere: 1,000 hours (MIL-STD-202, Method 101E)
 Cable pull-out force (unmated): 100 lbf. (Cable shield strength dependent)

HIPER 55116

Audio Plug Cordset with Wire Strain Relief

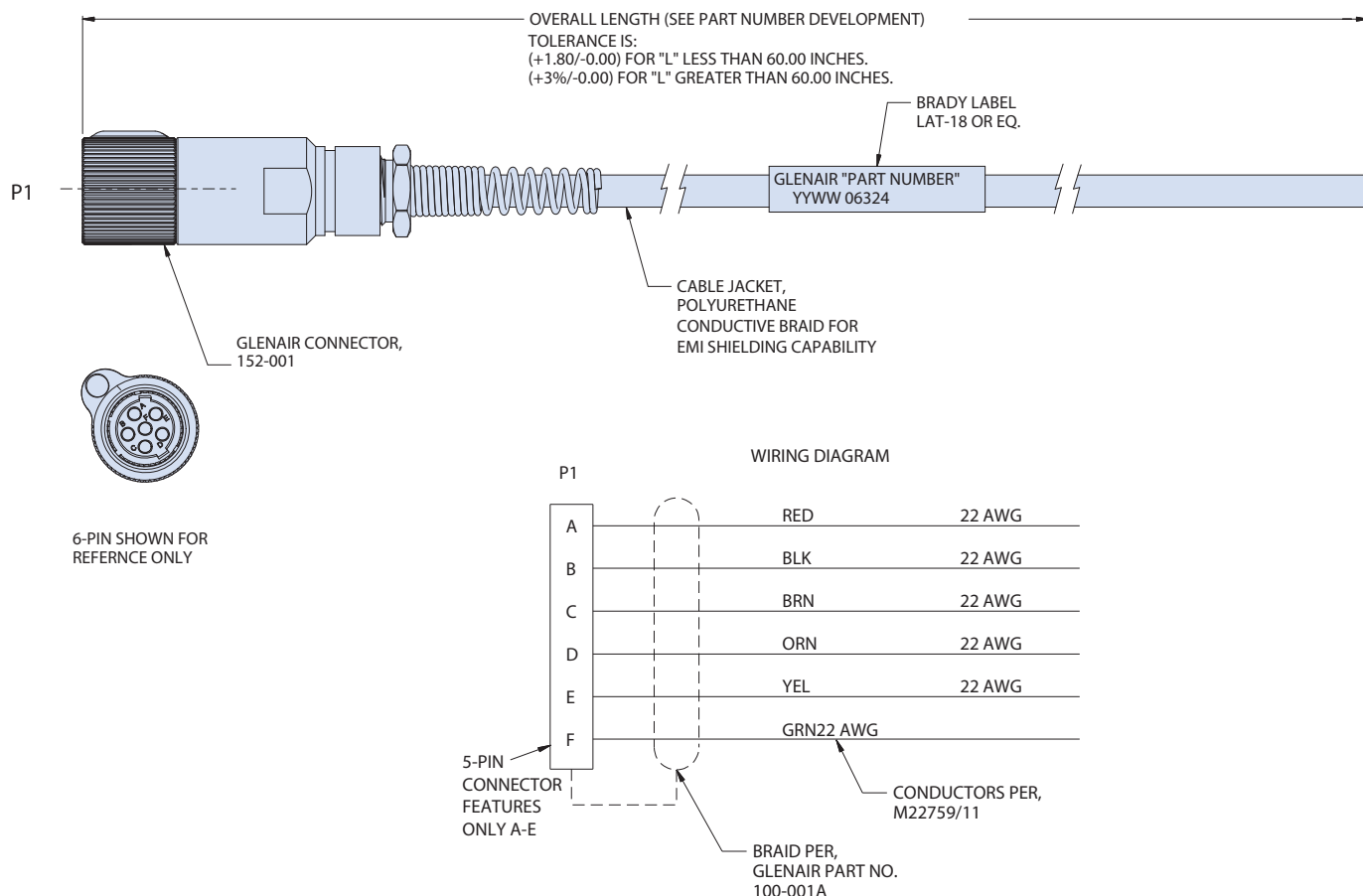
152-006



AUDIO PLUG CORDSET WITH WIRE STRAIN RELIEF



How To Order			
Sample Part Number	152-006	-6	-XX
Series	HiPer 55116 Cordset with Wire Strain Relief		
Pin Count	5 - 5-Pin		
	6 - 6-Pin		
Length	Overall length in inches		



NOTES

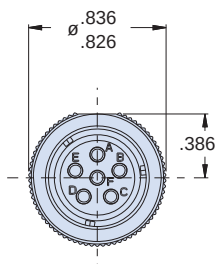
- 100% electrical test, continuity, DWV (500 VAC sea level) and insulation resistance (200 Megohms minimum)
- Unit Pack: 1 ea. 4 mil poly bag, heat-sealed. Includes dust cap.
- Refer to part no. 152-001 for connector materials, finishes, and dimensions.
- Wire corresponding to contact "F" to be trimmed and insulated with M23053/8 shrink tubing if 5-pin connector is specified.

HIPER 55116 In-Line Receptacle 152-004



SHORT-LENGTH IN-LINE RECEPTACLE WITH SHIELD TERMINATION PORCH, INTEGRATED OVERMOLDING/SEALING BOOT FEATURE AND NON-RIGID SPRING CONTACTS

MATES WITH 152-001 AND 152-002, 151-001 AND 151-002, AND STANDARD MIL-DTL-55116 PLUGS



How To Order			
Sample Part Number	152-004	-1	-3
Series	HiPer 55116 in-line receptacle		
Connector Configuration (See Table I)	-1 = 5 pin, crimp -2 = 6 pin, crimp	-3 = 5 pin, solder cup -4 = 6 pin, solder cup	
Size	-1 = .165 ± .010 -2 = .228 ± .010 -3 = .250 ± .010	-4 = .290 ± .010 -5 = .320 ± .010	

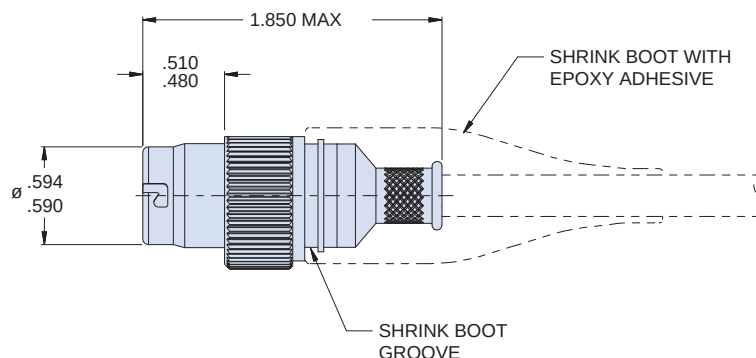
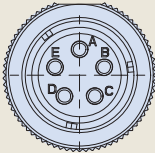
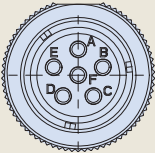


Table I: Connector Configuration

			
5 Contacts		6 Contacts	
152-004-1	M55116/11 type (U-228) Receptacle, 5 Crimp Contacts	152-004-2	M55116/12 type (U-228) Receptacle, 6 Crimp Contacts
152-004-3	M55116/13 type (U-228) Receptacle, 5 Solder Cup Contacts	152-004-4	M55116/14 type (U-228) Receptacle, 6 Solder Cup Contacts

MATERIALS AND FINISHES

Shells and backshells: Stainless steel/PTFE-nickel plated (matte finish)
 Inserts: Diallylphthalate resin type SDG-F
 Seals: Ethylene propylene rubber
 Contacts: Copper alloy/gold plate

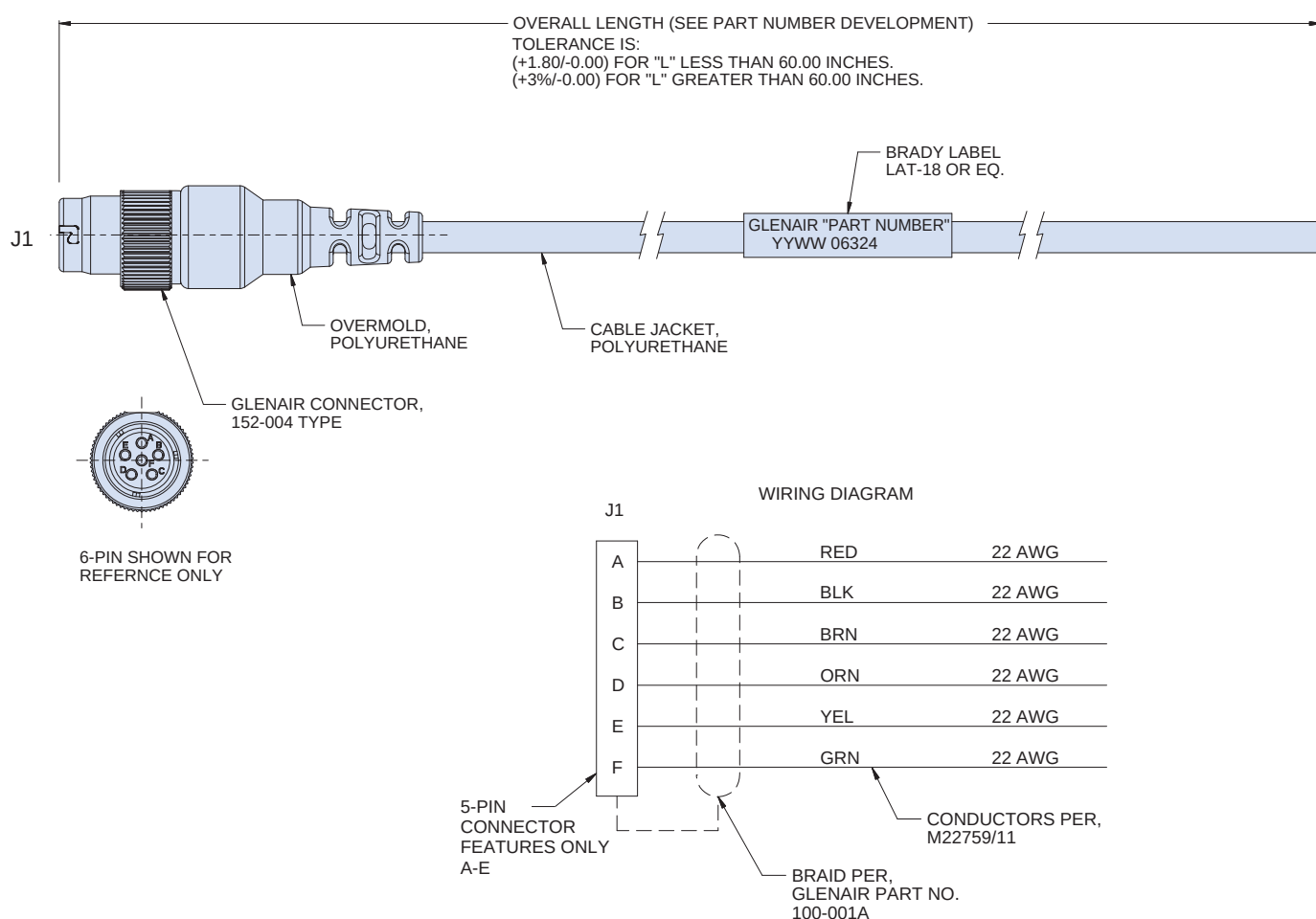
NOTES

Connectors are identified with Glenair's name, part number and date code
 Meets interface configurations and IAW specifications of MIL-DTL-55116 Type C, and exceeds the following:
 Shell-to-shell conductivity: 2.5 milliohms max.
 Cable shield-to-shell conductivity: 2.5 milliohms max.
 Contact resistance (mated): 15 milliohms max. average; 20 milliohms max.
 Pressure sealing (mated & un-mated): IP68 (10 meters of standing water for 1 hour)
 Salt atmosphere: 1,000 hours (MIL-STD-202, Method 101E)
 Cable pull-out force (unmated): 100 lbf. (Cable shield strength dependent)

OVERMOLDED IN-LINE AUDIO RECEPTACLE CORDSET



How To Order			
Sample Part Number	152-007	-6	-XX
Series	HiPer 55116 Cordset with Wire Strain Relief		
Pin Count	5 - 5-Pin		
	6 - 6-Pin		
Length	Overall length in inches		



NOTES

100% electrical test, continuity, DWV (500 VAC sea level) and insulation resistance (200 Megohms minimum)

Unit Pack: 1 ea. 4 mil poly bag, heat-sealed. Includes dust cap.

Refer to part no. 152-004 for connector materials, finishes, and dimensions.

Wire corresponding to contact "F" to be trimmed and insulated with M23053/8 shrink tubing if 5-pin connector is specified.

HIPER 55116

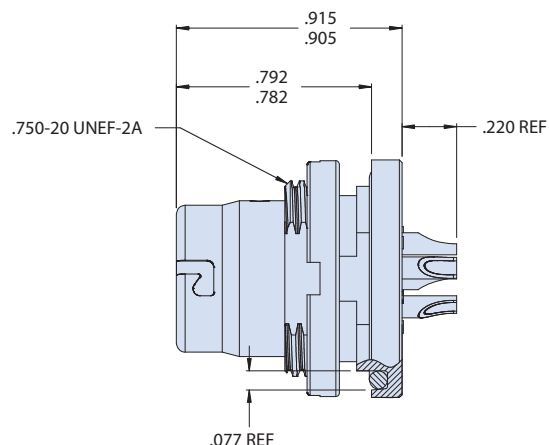
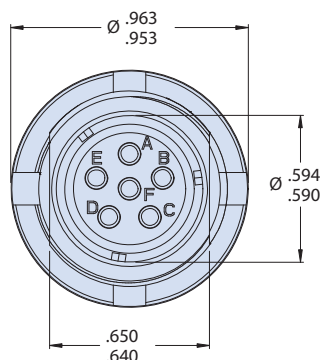
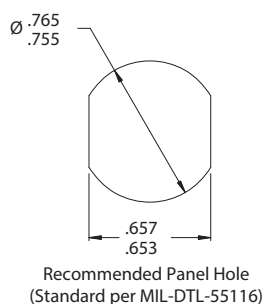
Radio-Mount Jam Nut Receptacle

152-003



RADIO-MOUNT JAM NUT RECEPTACLE WITH NON-RIGID SPRING CONTACTS

MATES WITH 152-001 AND 152-002, 151-001 AND 151-002, AND STANDARD MIL-DTL-55116 PLUGS



All dimensions are compliant with MIL-DTL-55116/9 and /10

Table I: Connector Configuration

	5 Contacts	6 Contacts
152-003-1	M55116/9 type (U-183) Receptacle, 5 Solder Cup Contacts	
152-003-2		M55116/10 type (U-183) Receptacle, 6 Solder Cup Contacts

MATERIALS AND FINISHES

Shells and backshells: Stainless steel/PTFE-nickel plated (matte finish)
 Inserts: Diallylphthalate resin type SDG-F
 Seals: Ethylene propylene rubber
 Contacts: Copper alloy/gold plate

NOTES

Connectors are identified with Glenair's name, part number and date code.
 Meets interface configurations and IAW specifications of MIL-DTL-55116 Type C, and exceeds the following:
 Shell-to-shell conductivity: 2.5 milliohms max.
 Cable shield-to-shell conductivity: 2.5 milliohms max.
 Contact resistance (mated): 15 milliohms max. average; 20 milliohms max.
 Pressure sealing (mated & un-mated): IP68 (10 meters of standing water for 1 hour)
 Salt atmosphere: 1,000 hours (MIL-STD-202, Method 101E)
 Cable pull-out force (unmated): 100 lbf. (Cable shield strength dependent)

MIL-DTL-55116 Type Standard Performance Audio Frequency Connectors



Performance specifications

SERIES 151 STANDARD VERSION OFFERS PERFORMANCE IAW MIL-DTL-55116

Series 151 Performance Specifications		
Test Description	Performance Requirements/Specifications	Procedure Per MIL-DTL-55116 Or Other Standard
Dielectric withstanding voltage	No arcing or dielectric breakdown. Sea level: 500 V RMS between each contact, remaining contacts connected together, and to the shell. One minute dwell. High altitude: barometric pressure 3.4 in of mercury, 300 V RMS applied as described above.	4.7.1
Insulation resistance	Not less than 1000 megohms (not less than 100 megohms for unmated connectors following the immersion test). Measured between each contact, remaining contacts connected together, and to the shell.	4.7.2
Contact resistance	Terminal-to-terminal resistance of mated connector contacts shall not exceed 0.050 ohms.	4.7.3
Contact depression	Force required to depress contacts .080 inches from the normal plane of the contact face: Individual contacts: 1.25 lbs. – 1.75 lbs. 5 contacts: 6.25 lbs. – 8.75 lbs. 6 contacts: 7.5 lbs. – 10.5 lbs.	4.8.1
Air pressure	No evidence of leakage through the connector under 2.5 psi applied to contact face and rear of the plug or receptacle	4.8.2
Mating durability	3000 cycles with no mechanical damage. Dielectric, contact resistance and air pressure requirements as described above shall be met after 3000 mating cycles.	4.8.3
Contact retention	Individual contacts capable of withstanding at least 10 pounds axial load applied uniformly at one pound per second.	4.8.4
Compression	No distortion or damage that would affect form, fit, or function at 500 pounds applied to axis.	4.8.6
Pull test	Connectors shall withstand an abrupt axial force of 40 lbs. applied to the shell, and 25 lbs. applied to the cable with no visible damage, and lock and unlock without difficulty.	4.8.7
Bounce	Test on package testing table, operating at 284±2 rpm for 3 hours, circular-synchronous motion in a vertical plane with a one in dia. orbital displacement. Connectors show no evidence of cracking, breaking, or loosening. Connectors will meet electrical and leakage requirements following test.	4.9.1
Vibration	Plugs and receptacles mounted to vibration table, subjected to a simple harmonic motion with amplitude of 0.03 inch (0.06 maximum), frequency varied uniformly from 10-55 Hz., entire range traversed in approximately one minute, for two hours in each of three perpendicular directions. No evidence of cracking, breaking or loosening of parts, and the plug shall not become disengaged from the receptacle.	4.9.2 and MIL-STD-202G, method 201A
Drop	Connectors dropped six times at random from a height of six feet to two inch fir floor backed with concrete or rigid steel frame shall show no degradation in performance, no physical damage that would affect mateability, and no loose parts. Following the test, connectors shall meet electrical and air leakage requirements described above.	4.9.3
Temperature cycling	-55°C to +85°C, 5 cycles. Connectors are capable of mating and unmating during fifth cycle, and meet electrical and air leakage requirements described above.	MIL-STD-202, method 107, test condition A
Salt spray	48 hours, 5% solution, 35°C min. No evidence of base metal corrosion.	MIL-STD-202, method 101E, test condition B
Humidity	50% mated and 50% unmated, cycled between 25°C at 80% relative humidity and 65°C at 50% relative humidity. Ramp time = 0.5 hr. Dwell time = 1.0 hr., 24 cycles. Following test, connectors meet electrical and air leakage requirements described above.	4.9.6 and EIA-364-31, method IV (step 7a not required)
Water immersion	Plugs assembled to test cables and each other, and to receptacles, immersed in tap water to a depth of six feet for 48 hours. No evidence of leakage into the body of unmated connectors or into the body or contact-face area of mated connectors.	4.9.7

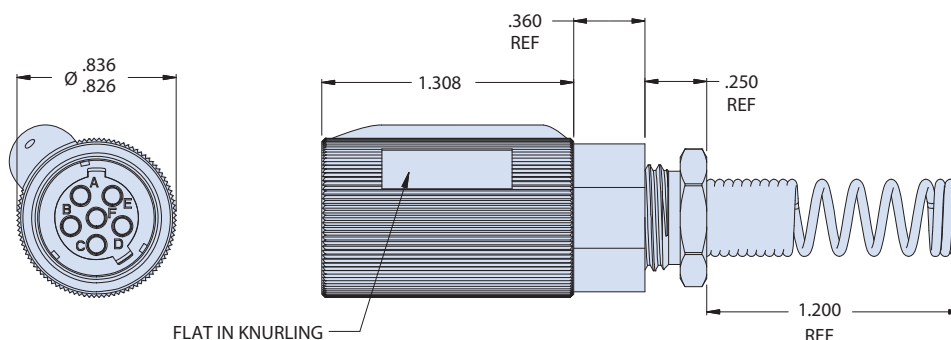
SERIES 151 STANDARD MIL-DTL-55116 TYPE Field-Serviceable Audio Plug with wire strain relief



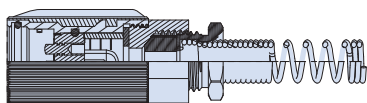
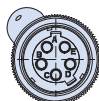
151-001 • M55116/1 - /5 Type • U-229



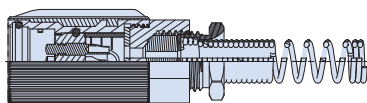
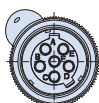
Series 151 MIL-DTL-55116 Type audio plugs are designed for high-reliability, severe environment radio communications equipment. They are available in both 5 pin and 6 pin configurations, with either crimp sleeve or solder cup terminals. All feature versatile wire strain relief to protect cable conductors from damage. Shells are made of nylon overmolded passivated stainless steel, contacts are gold plated copper alloy. Plug connector contacts are sealed in the unmated condition.



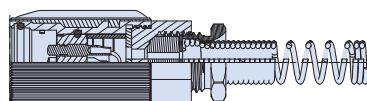
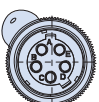
**U-229 Plug,
5 Crimp Contacts**



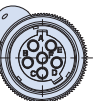
**U-229 Plug,
6 Crimp Contacts**



**U-229 Plug,
5 Solder Cup
Contacts**



**U-229 Plug,
6 Solder Cup
Contacts**



No. of Contacts	Contact Type	Ø Cable ± .010	MIL SPEC Part Number	Glenair Part Number	Mates With
5	Crimp	.165	M55116/1-1	151-001-1-1	152-003-1
		.228	M55116/1-2	151-001-1-2	152-004-1
		.250	M55116/1-3	151-001-1-3	152-004-3
		.290	M55116/1-4	151-001-1-4	152-007-5
		.320	M55116/1-5	151-001-1-5	151-003-1
6	Crimp	.165	M55116/2-1	151-001-2-1	151-004-1
		.228	M55116/2-2	151-001-2-2	151-004-3
		.250	M55116/2-3	151-001-2-3	152-007-6
		.290	M55116/2-4	151-001-2-4	151-003-2
		.320	M55116/2-5	151-001-2-5	151-004-2
5	Solder Cup	.165	M55116/3-1	151-001-3-1	151-004-4
		.228	M55116/3-2	151-001-3-2	152-003-1
		.250	M55116/3-3	151-001-3-3	152-004-1
		.290	M55116/3-4	151-001-3-4	152-004-3
		.320	M55116/3-5	151-001-3-5	152-007-5
6	Solder Cup	.165	M55116/4-1	151-001-4-1	151-003-1
		.228	M55116/4-2	151-001-4-2	151-004-1
		.250	M55116/4-3	151-001-4-3	151-004-3
		.290	M55116/4-4	151-001-4-4	152-007-6
		.320	M55116/4-5	151-001-4-5	151-003-2

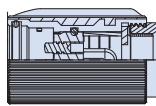
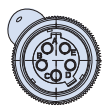
Molded Audio Plug



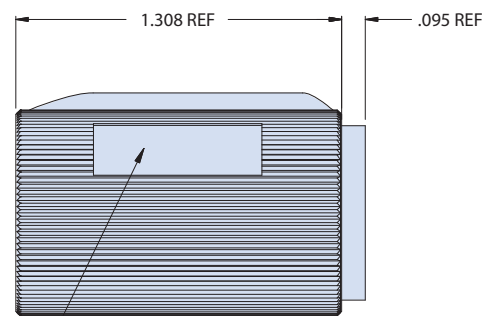
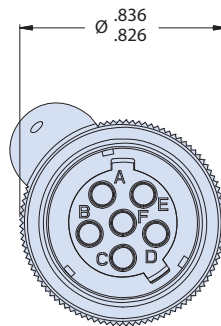
151-002 • M55116/5 - /8 Type • U-182



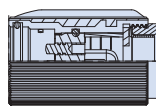
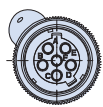
Series 151 MIL-DTL-55116 Type molded audio plugs are designed for overmolding in cable cordsets for high-reliability, severe environment radio communications equipment, and are not field-serviceable. They are available in 5 pin and 6 pin configurations, with crimp sleeve or solder cup terminals. Shells are made of nylon overmolded passivated stainless steel, contacts are gold plated copper alloy. Plug connector contacts are sealed in the unmated condition.



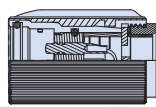
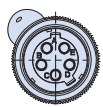
**U-182 Plug,
5 Crimp Contacts**



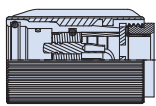
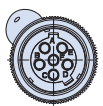
FLAT IN KNURLING



**U-182 Plug,
6 Crimp Contacts**



**U-182 Plug,
5 Solder Cup
Contacts**



**U-182 Plug,
6 Solder Cup
Contacts**

No. of Contacts	Contact Type	Ø Cable ± .010	MIL SPEC Part Number	Glenair Part Number	Mates With
5	Crimp	.165	M55116/5-1	151-002-1-1	152-003-1
		.228	M55116/5-2	151-002-1-2	152-004-1
		.250	M55116/5-3	151-002-1-3	152-004-3
		.290	M55116/5-4	151-002-1-4	152-007-5
		.320	M55116/5-5	151-002-1-5	151-003-1
6	Crimp	.165	M55116/6-1	151-002-2-1	151-004-1
		.228	M55116/6-2	151-002-2-2	151-004-3
		.250	M55116/6-3	151-002-2-3	152-003-2
		.290	M55116/6-4	151-002-2-4	152-004-2
		.320	M55116/6-5	151-002-2-5	152-004-4
5	Solder Cup	.165	M55116/7-1	151-002-3-1	152-007-6
		.228	M55116/7-2	151-002-3-2	151-003-2
		.250	M55116/7-3	151-002-3-3	151-004-2
		.290	M55116/7-4	151-002-3-4	151-004-4
		.320	M55116/7-5	151-002-3-5	152-003-1
6	Solder Cup	.165	M55116/8-1	151-002-4-1	152-004-1
		.228	M55116/8-2	151-002-4-2	152-004-3
		.250	M55116/8-3	151-002-4-3	152-007-5
		.290	M55116/8-4	151-002-4-4	151-003-1
		.320	M55116/8-5	151-002-4-5	151-004-1

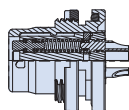
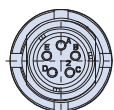
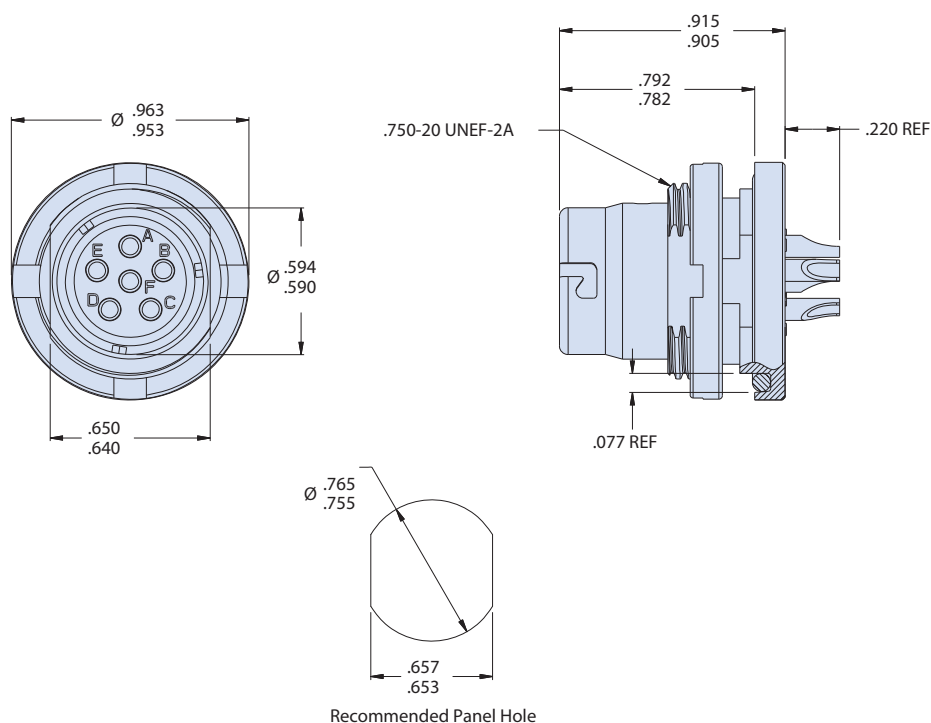
SERIES 151 STANDARD MIL-DTL-55116 TYPE Radio-Mount Jam Nut Audio Receptacle



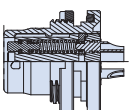
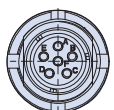
151-003 • M55116/9 - /10 Type • U-183



Series 151 MIL-DTL-55116 Type panel mount jam nut receptacles are designed for high-reliability, severe environment communications equipment. They are available in either a 5 pin or 6 pin configuration. Receptacles are equipped with solder cup spring terminals and a jam nut for panel mounting. Shells and nuts are made of passivated stainless steel, contacts are gold plated copper alloy. Receptacle connector contacts are sealed in the unmated condition.



**U-183 Jam Nut Receptacle,
5 Solder Cup Contacts**



**U-183 Jam Nut Receptacle,
6 Solder Cup Contacts**

No. of Contacts	Contact Type	MIL SPEC Part Number	Glenair Part Number	Mates With
5	Solder Cup	M55116/9-0	151-003-1	152-001-1 152-001-3 152-002-1 152-002-3 152-005-5 152-006-5 151-001-1 151-001-3 151-002-1 151-002-3
6	Solder Cup	M55116/10-0	151-003-2	152-001-2 152-001-4 152-002-2 152-002-4 152-005-6 152-006-6 151-001-2 151-001-4 151-002-2 151-002-4

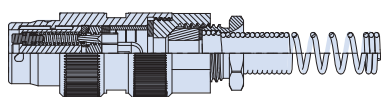
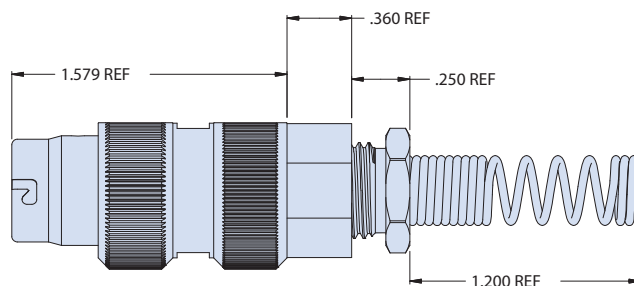
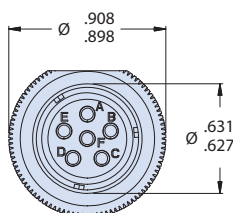
In-Line Audio Receptacle with wire strain relief



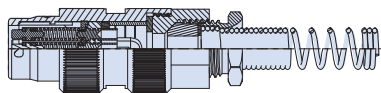
151-004 • M55116/1 - /14 Type • U-228



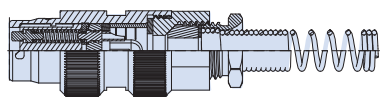
Series 151 MIL-DTL-55116 Type in-line audio receptacles are designed for high-reliability tactical communications equipment. They are available in both 5 pin and 6 pin configurations, with either crimp sleeve or solder cup pogo pin terminals. All feature wire strain relief to protect cable conductors from damage. Shells are made of passivated stainless steel, contacts are gold plated copper alloy. Receptacle connector contacts are sealed in the unmated condition.



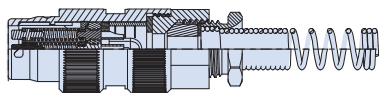
**U-228 Receptacle,
5 Crimp Contacts**



**U-228 Receptacle,
6 Crimp Contacts**



**U-228 Receptacle,
5 Solder Cup
Contacts**



**U-228 Receptacle,
6 Solder Cup
Contacts**



No. of Contacts	Contact Type	Ø Cable ± .010	MIL SPEC Part Number	Glenair Part Number	Mates With
5	Crimp	.165	M55116/11-1	151-004-1-1	152-001-1 152-001-3 152-002-1 152-002-3 152-005-5 152-006-5 151-001-1 151-001-3 151-002-1 151-002-3
		.228	M55116/11-2	151-004-1-2	
		.250	M55116/11-3	151-004-1-3	
		.290	M55116/11-4	151-004-1-4	
		.320	M55116/11-5	151-004-1-5	
6	Crimp	.165	M55116/12-1	151-004-2-1	152-001-2 152-001-4 152-002-2 152-002-4 152-005-6 152-006-6 151-001-2 151-001-4 151-002-2 151-002-4
		.228	M55116/12-2	151-004-2-2	
		.250	M55116/12-3	151-004-2-3	
		.290	M55116/12-4	151-004-2-4	
		.320	M55116/12-5	151-004-2-5	
5	Solder Cup	.165	M55116/13-1	151-004-3-1	152-001-1 152-001-3 152-002-1 152-002-3 152-005-5 152-006-5 151-001-1 151-001-3 151-002-1 151-002-3
		.228	M55116/13-2	151-004-3-2	
		.250	M55116/13-3	151-004-3-3	
		.290	M55116/13-4	151-004-3-4	
		.320	M55116/13-5	151-004-3-5	
6	Solder Cup	.165	M55116/14-1	151-004-4-1	152-001-2 152-001-4 152-002-2 152-002-4 152-005-6 152-006-6 151-001-2 151-001-4 151-002-2 151-002-4
		.228	M55116/14-2	151-004-4-2	
		.250	M55116/14-3	151-004-4-3	
		.290	M55116/14-4	151-004-4-4	
		.320	M55116/14-5	151-004-4-5	

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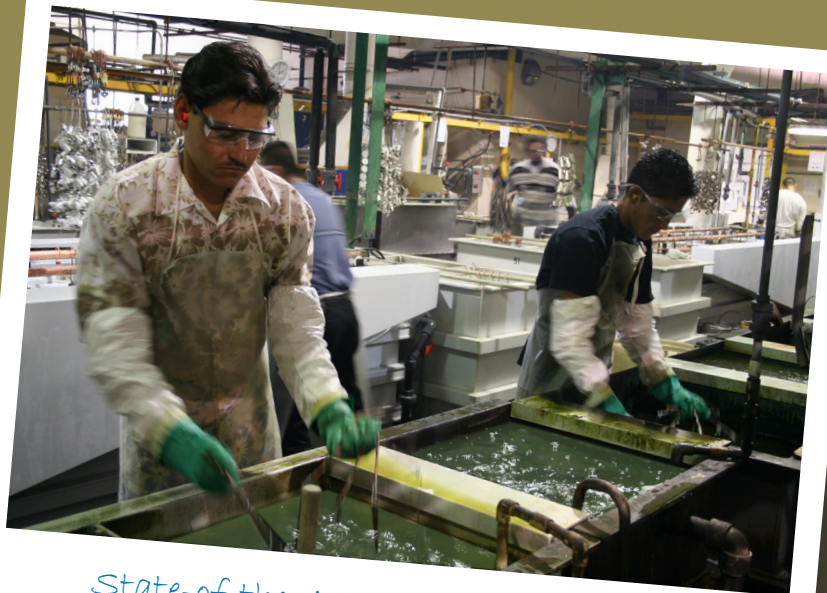
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860 N. Main Street Extension
Wallingford, CT
06492

Telephone:
203-741-1115
Facsimile:
203-741-0053
sales@glenair.com

Glenair UK Ltd

40 Lower Oakham Way
Oakham Business Park
P.O. Box 37, Mansfield
Notts, NG18 5BY England

Telephone:
+44-1623-638100
Facsimile:
+44-1623-638111
sales@glenair.co.uk

Glenair Microway Systems

7000 North Lawndale Avenue
Lincolnwood, IL
60712

Telephone:
847-679-8833
Facsimile:
847-679-8849

Glenair Nordic AB

Gustav III : S Boulevard 46
S - 169 27 Solna
Sweden

Telephone:
+46-8-50550000
Facsimile:
+46-8-50550001
sales@glenair.se

Glenair Electric GmbH

Schaberweg 28
61348 Bad Homburg
Germany

Telephone:
06172 / 68 16 0
Facsimile:
06172 / 68 16 90
germany@glenair.com

Glenair Iberica

C/ La Vega, 16
45612 Velada
Spain

Telephone:
+34-925-89-29-88
Facsimile:
+34-925-89-29-87
sales@glenair.es

Glenair Italia S.p.A.

Via Del Lavoro, 7
40057 Quarto Inferiore –
Granarolo dell'Emilia
Bologna, Italy

Telephone:
+39-051-782811
Facsimile:
+39-051-782259
info@glenair.it

Glenair France SARL

7, Avenue Parmentier
Immeuble Central Parc #2
31200 Toulouse
France

Telephone:
+33-5-34-40-97-40
Facsimile:
+33-5-61-47-86-10
sales@glenair.fr

