



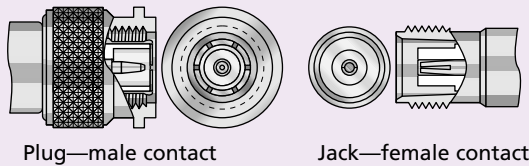
Introduction

Contents

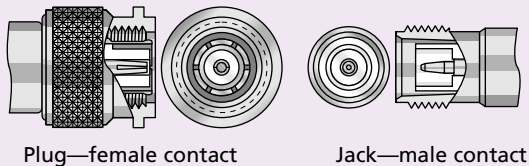
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TNC Interface Options

Standard Mating

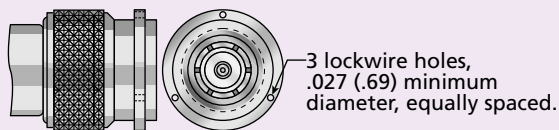


Polarized Mating



TNC Coupling Nut Options

Lockwire Holes



TNC series connectors are general-purpose, miniature connectors, with a frequency range of DC–11 GHz and 50Ω impedance, designed to MIL-PRF-39012 requirements.

Their threaded interface provides secure mating and unmating, and prevents accidental disconnection from pulling forces on the cable.

Automatic TNC cable connectors are available with nine standard cable attachment types for flexible and semi-rigid cable:

- **Standard and Improved Wedge-Lock;** our patented, quick assembly method for flexible cable incorporating a captive center contact, only three parts to handle, and requiring no special tools.
- **V-Groove** clamping with captive or noncaptive contacts for flexible cable, requiring no special tools for assembly.
- **Econo-Crimp** types with captive or noncaptive contacts for flexible cable, providing small size, light weight, and rapid assembly using standard, commercially-available crimp tools.
- **X-Crimp** with captive contacts for flexible cable, providing rugged, high-strength cable attachment and quick assembly.
- **Wedge-Eze** for flexible cable is our unique system featuring quick assembly, color coding by cable size, and field replaceability. Rapidly assembled with hand or automated tooling.
- **Solder-Clamp** assembly for semi-rigid cable requires no special tools and allows for re-orientation of the connector after assembly to easily conform to system layout. Collet type clamping for solderless attachment of semi-rigid cable is also available.

Download the **glossary** file from our website for details on all cable attachment types.

Many of our TNC connectors are qualified to MIL-PRF-39012, and adapters to MIL-PRF-55339. Some of our M39012 QPL cable connectors are available with your choice of Wedge-Lock, V-Groove, or Econo-Crimp cable attachment. Information on our TNC QPL connectors and adapters is available on our website.

The versatility of TNC series of RF connectors is enhanced by Automatic's ability to provide a wide range of alternate constructions and configurations to meet virtually any system requirements. Contact us with your requirements for custom configurations, such as:

- **Polarized mating interfaces** with reversed contacts and insulators to prevent accidental mating of incompatible circuits. (see illustration at left).
- Coupling nuts can be provided with **lockwire holes** for safety wiring after mating in high-vibration applications. Hex coupling nuts are also available.
- **Twinaxial and Triaxial** versions of all types are available to maximize shielding in sensitive systems.
- **75 ohm impedance** versions are available in all TNC configurations.
- TNC connectors with **aluminum bodies** can provide significant weight savings.

Notes:

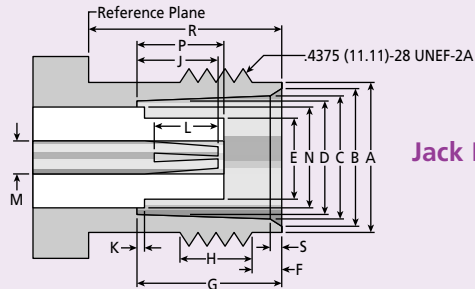
The standard TNC connectors in this section have silver-plated bodies and gold-plated center contacts. All are available with other platings if required.

Drawings in this section are approximately actual size; some drawing proportions may be altered to better illustrate details.

Drawing dimensions are in inches (millimeters), based on one inch = 25.4 mm.

Interface Dimensions and Specifications

Interface Dimensions (MIL-STD-348)

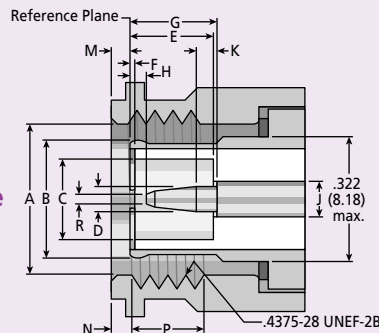


Jack Interface

Dim.	Min.	Max.
A	.378 (9.6)	.381 (9.7)
B	.346 (8.8)	.356 (9.0)
C	.327 (8.3)	.333 (8.5)
D	.319 (8.1)	.321 (8.2)
E	—	.186 (4.7)
F	.068 (1.7)	.088 (2.2)
G	.327 (8.3)	.335 (8.5)
H	.187 (4.8)	—
J	.186 (4.7)	.206 (5.2)

Dim.	Min.	Max.
K	—	.006 (.2)
L	.195 (5.0)	—
M	.081 (2.1)	.087 (2.2)
N	—	.256 (6.5)
P	.188 (4.8)	.208 (5.3)
R	.414 (10.5)	—
S	.015 (.4)	.030 (.8)

Plug Interface



Dim.	Min.	Max.
A	.440 (11.2)	—
B	To meet gauge test	
C	.190 (4.8)	—
D	.052 (1.3)	.054 (1.4)
E	.210 (5.3)	.230 (5.8)
F	.006 (.2)	—
G	.208 (5.3)	.228 (5.8)
H	.003 (.1)	.040 (1.0)
J	.081 (2.1)	.087 (2.2)

Dim.	Min.	Max.
K	.078 (2.0)	—
M	—	.078 (2.0)
N	.063 (1.6)	—
P	.156 (4.0)	—
R	—	.025 (.6)

Specifications (MIL-PRF-39012; MIL-STD-202 test methods)

Electrical:

Frequency Range: DC–11 GHz. **Impedance:** 50 ohms. **Voltage Rating:** 500 V RMS
Insulation Resistance: 5,000 megohms min. (Method 302, condition B).

Dielectric Withstanding Voltage: 1,500 V RMS min. (Method 301).

Contact Resistance: Center Contact—1.5 milliohms max. initial; 2.0 milliohms max. after environmental tests. Outer Contact—.2 milliohms max. Braid to Body—.1 milliohms max.

RF High Potential: 1,000 V RMS min. @ 5–7.5 MHz.

VSWR: Varies with configuration; see MIL-PRF-39012 specification sheets.

RF Leakage: -55 dB min. @ 2–3 GHz.

Insertion Loss: Varies with configuration; see MIL-PRF-39012 specification sheets.

Environmental:

Vibration: Method 204, Condition B. **Shock:** Method 213, condition I.

Corona Level: 375 V min. @70,000 feet. **Temperature Range:** -65° to 165°C.

Moisture Resistance: Method 106; insulation resistance >200 megohms within 5 minutes of removal from humidity.

Thermal Shock: Method 107, condition B, high temperature 85° C.

Corrosion: Method 101, condition B.

Mechanical:

Force to Engage and Disengage: Longitudinal force, N/A.
Torque, 2 inch-pounds max.

Coupling Proof Torque: 15 inch-pounds, min. **Coupling Nut Retention:** 100 pounds.

Cable Retention: Dependent upon cable; see MIL-PRF-39012 specification sheet.

Mating Characteristics: Per MIL-STD-348.

Durability: 500 mating cycles @ 12 cycles per minute max.

Center Contact Retention: 6 pounds min. axial force (captive-contact types).

Materials (unless otherwise noted):

Male Center Contacts: Brass.

Female Center Contacts, Plug Outer Contacts: Beryllium copper.

Bodies and Other Metal Parts: Brass. **Crimp Sleeves:** Annealed brass or soft copper.

Insulators: Teflon (TFE). **Gaskets:** Silicone rubber.

Plating:

Center Contacts: Gold plated per current MIL-PRF-39012 requirements.

Other Metal Parts: Silver plated per current MIL-PRF-39012 or MIL-PRF-55339 requirements.

Note: These specifications are typical, and may not apply to all configurations. Specifications may change as MIL specifications are updated.



Straight Cable Plugs

Cable Group	Wedge-Lock and V-Groove				Figure
	Wedge-Lock		V-Groove		
	Standard	Improved	Non-Captive Contact	Captive Contact	
CF-1	801-T1800A	801-T1800B	011-T1000	011-T1100	1
CF-2	819-T1800A	819-T1800B*	025-T1000	025-T1100	1
CF-3, 4	847-T1800A	847-T1800B	039-T1000	039-T1100	1
CF-5, 6	101-T1800A	101-T1800B*	100-T1000C	101-T1100C	1
CF-7, 8	151-T1800	151-T1800B*	150-T1000C	151-T1100C	1
CF-9	121-T1800	121-T1800B*	120-T1000C	121-T1100C	1
CF-22	301-T1800D	301-T1800Y	300-T1000A	301-T1100	2
CF-36	825-T1800A	825-T1800B	825-T1000	825-T1100	1

Cable Group	Econo-Crimp and X-Crimp				
	Econo-Crimp		Figure	X-Crimp	
	Non-Captive Contact	Captive Contact		Figure	Figure
CF-2	919-T1900	919-T1908	3	919-T1900F	4
CF-3, 4	947-T1900S	947-T1908*	3	947-T1900F	4
CF-5	980-T1900	980-T1908*	3	980-T1900F	4
CF-6	988-T1900	988-T1908*	3	988-T1900F	4
CF-7	998-T1900	998-T1908*	3	998-T1900F	4
CF-8	999-T1900	999-T1908*	3	999-T1900F	4
CF-9	958-T1900	958-T1908*	3	958-T1900F	4
CF-36	925-T1900	925-T1908	3	925-T1900F	4

Cable Group	Wedge-Eze	
	Non-captive Contact	
	Part Number	Figure
CF-5, 6	100-T1600	5
CF-7, 8	150-T1600	5

Cable Group	Solder-Clamp (Semi-Rigid Cable)	
	Captive Contact	
	Part Number	Figure
SR-5	Contact Factory	1
SR-6	Contact Factory	1

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add **K** at beginning of part number. For gold-plated body add **G** at beginning of part number.
- See page 15 for cable groups. Most types available for other cables not shown above.
- *Available in MIL-PRF-39012/26 QPL version.

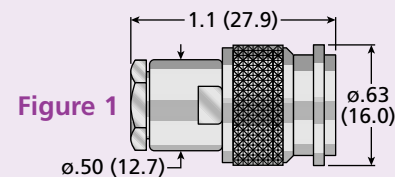


Figure 1

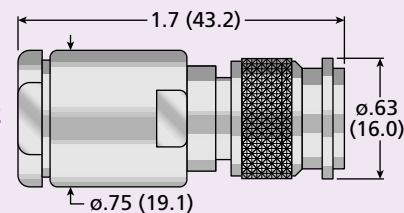


Figure 2

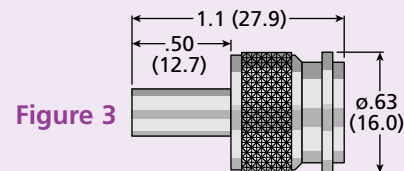


Figure 3

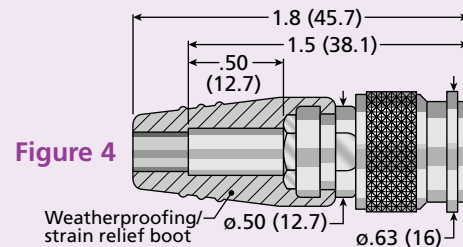


Figure 4

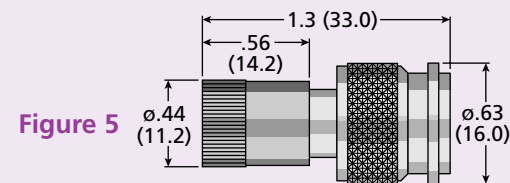


Figure 5

Right Angle Plugs—Mitered Body

Cable Group	Wedge-Lock and V-Groove				Figure
	Wedge-Lock		V-Groove		
	Standard	Improved	Non-Captive Contact	Captive Contact	
CF-1	801-T2800M	801-T2800B	011-T2000N	011-T2100A	1
CF-2	819-T2800M	819-T2800B*	025-T2000N	025-T2100A	1
CF-3, 4	847-T2800M	847-T2800B	039-T2000N	039-T2100A	1
CF-5, 6	101-T2800	847-T2800B*	100-T2000N	101-T2100A	1
CF-7, 8	151-T2800	151-T2800B*	150-T2000N	151-T2100A*	1
CF-9	121-T2800	121-T2800B*	120-T2000N	121-T2100A	1
CF-22	301-T2800	301-T2800Y	300-T2000N	301-T2100A	2
CF-36	825-T2800M	825-T2800B	825-T2000N	825-T2100A	1

Cable Group	Econo-Crimp and X-Crimp				
	Econo-Crimp			X-Crimp	
	Non-Captive Contact	Captive Contact	Figure		Figure
CF-2	919-T2900S	919-T2908*	3	919-T2900F	4
CF-3, 4	947-T2900S	947-T2908*	3	947-T2900F	4
CF-5	980-T2900	980-T2908*	3	980-T2900F	4
CF-6	988-T2900	988-T2908*	3	988-T2900F	4
CF-7	998-T2900	998-T2908*	3	998-T2900F	4
CF-8	999-T2900	999-T2908*	3	999-T2900F	4
CF-9	958-T2900	958-T2908*	3	958-T2900F	4
CF-36	925-T2900S	925-T2908	3	925-T2900F	4

Cable Group	Solder-Clamp (Semi-Rigid Cable)	
	Captive Contact	
	Part Number	Figure
SR-5	Contact Factory	1
SR-6	Contact Factory	1

Cable Group	Wedge-Eze	
	Non-captive Contact	
	Part Number	Figure
CF-5, 6	100-T2600	5
CF-7, 8	150-T2600	5

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add **K** at beginning of part number. For gold-plated body add **G** at beginning of part number.
- See page 15 for cable groups. Most types available for other cables not shown above.
- *Available in MIL-PRF-39012/30 QPL version.

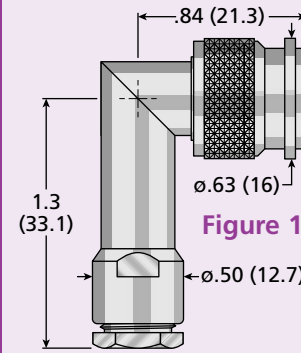


Figure 1

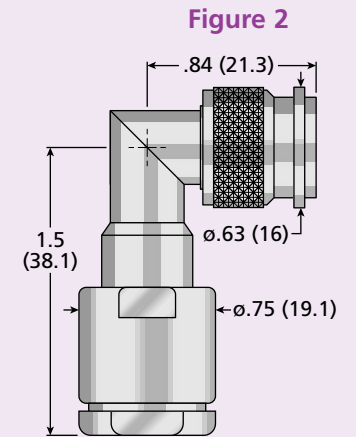


Figure 2

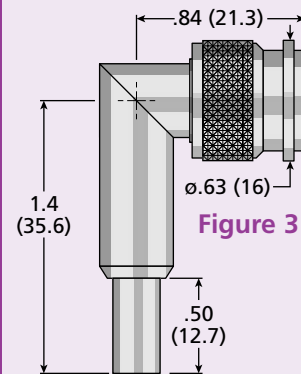


Figure 3

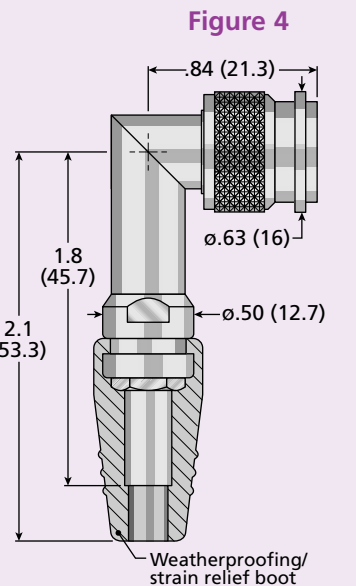


Figure 4

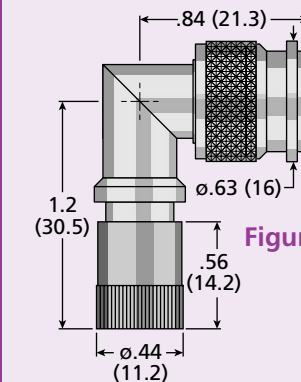


Figure 5



Right Angle Plugs—Cube Body with Access Cap

Cable Group	Wedge-Lock and V-Groove		
	Wedge-Lock	V-Groove	Figure
	Standard	Captive Contact	
CF-1	801-T2800A	011-T2100A	1
CF-2	819-T2800A	025-T2100A	1
CF-3, 4	847-T2800A	039-T2100A	1
CF-5, 6	101-T2800A	101-T2100A	1
CF-7, 8	151-T2800A	151-T2100A	1
CF-9	121-T2800A	121-T2100A	1
CF-36	825-T2800A	825-T2100A	1

Cable Group	X-Crimp	
	Captive Contact	
	Part Number	Figure
CF-2	919-T2900H	2
CF-3, 4	947-T2900H	2
CF-5	980-T2900H	2
CF-6	988-T2900H	2
CF-7	998-T2900H	2
CF-8	999-T2900H	2
CF-9	958-T2900H	2
CF-36	925-T2900H	2

Cable Group	Solder-Clamp (Semi-Rigid Cable)	
	Captive Contact	
	Part Number	Figure
SR-5	Contact Factory	1
SR-6	Contact Factory	1

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add **K** at beginning of part number. For gold-plated body add **G** at beginning of part number.
- See page 15 for cable groups. Most types available for other cables not shown above.

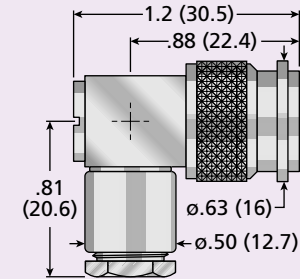


Figure 1

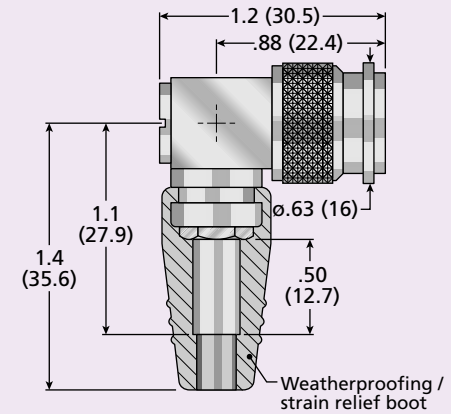


Figure 2

Straight Cable Jacks

Cable Group	Wedge-Lock and V-Groove				Figure
	Wedge-Lock		V-Groove		
	Standard	Improved	Non-Captive Contact	Captive Contact	
CF-1	801-T3800	801-T3800B	011-T3000C	011-T3100C	1
CF-2	819-T3800	819-T3800B	025-T3000C	025-T3100C	1
CF-3, 4	847-T3800	847-T3800B	039-T3000C	039-T3100C	1
CF-5, 6	101-T3800	101-T3800B*	100-T3000C	101-T3100C*	1
CF-7, 8	151-T3800	151-T3800B*	150-T3000C	151-T3100C*	1
CF-9	121-T3800	121-T3800B*	120-T3000C	121-T3100C*	1
CF-22	301-T3800D	301-T3800Y	300-T3000A	301-T3100A	2
CF-36	825-T3800	825-T3800B	825-T3000C	825-T3100C	1

Cable Group	Econo-Crimp and X-Crimp				
	Econo-Crimp		Figure	X-Crimp	
	Non-Captive Contact	Captive Contact		Figure	Figure
CF-2	919-T3900S	919-T3908*	3	919-T3900F	4
CF-3, 4	947-T3900S	947-T3908*	3	947-T3900F	4
CF-5	980-T3900	980-T3908*	3	980-T3900F	4
CF-6	988-T3900	988-T3908*	3	988-T3900F	4
CF-7	998-T3900	998-T3908*	3	998-T3900F	4
CF-8	999-T3900	999-T3908*	3	999-T3900F	4
CF-9	958-T3900	958-T3908*	3	958-T3900F	4
CF-36	925-T3900S	925-T3908	3	925-T3900F	4

Cable Group	Wedge-Eze	
	Non-captive Contact	
	Part Number	Figure
CF-5, 6	100-T3600	5
CF-7, 8	150-T3600	5

Cable Group	Solder-Clamp (Semi-Rigid Cable)	
	Captive Contact	
	Part Number	Figure
SR-5	Contact Factory	1
SR-6	Contact Factory	1

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add **K** at beginning of part number. For gold-plated body add **G** at beginning of part number.
- See page 15 for cable groups. Most types available for other cables not shown above.
- *Available in MIL-PRF-39012/27 QPL version.

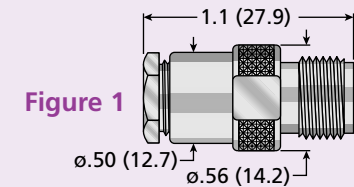


Figure 1

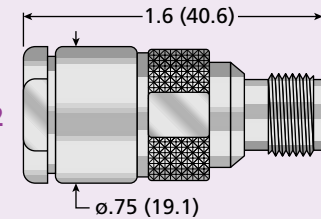


Figure 2

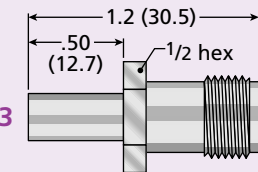


Figure 3

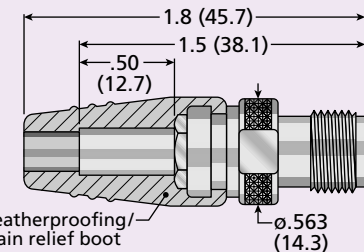


Figure 4

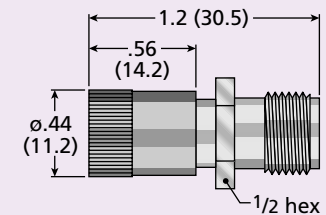


Figure 5



Straight Bulkhead Mounted Cable Jacks—Rear Mount (Mounting nut in front of panel)

Cable Group	Wedge-Lock and V-Groove				
	Wedge-Lock		V-Groove		
	Standard	Improved	Non-Captive Contact	Captive Contact	Figure
CF-1	801-T3800B-75	801-T3800C-75	011-T3000A-75	011-T3100A-75	1
CF-2	819-T3800B-75	819-T3800C-75*	025-T3000A-75	025-T3100A-75*	1
CF-3, 4	847-T3800B-75	847-T3800C-75	039-T3000A-75	039-T3100A-75	1
CF-5, 6	101-T3800A-75	101-T3800C-75*	100-T3000A-75	101-T3100A-75*	1
CF-7, 8	151-T3800A-75	151-T3800C-75*	150-T3000A-75	151-T3100A-75*	1
CF-9	121-T3800A-75	121-T3800C-75*	120-T3000A-75	121-T3100A-75*	1
CF-22	301-T3800D-90	301-T3800Y-90	300-T3000A-90	301-T3100A-90	2
CF-36	825-T3800B-75	825-T3800C-75	825-T3000A-75	825-T3100A-75	1

Cable Group	Econo-Crimp and X-Crimp				
	Econo-Crimp		Figure	X-Crimp	Figure
	Non-Captive Contact	Captive Contact			
CF-2	919-T3900S-75	919-T3908-75*	3	919-T3900F-75	4
CF-3, 4	947-T3900S-75	947-T390S-75*	3	947-T3900F-75	4
CF-5	980-T3900-75	980-T3908-75*	3	980-T3900F-75	4
CF-6	988-T3900-75	988-T3908-75*	3	988-T3900F-75	4
CF-7	998-T3900-75	998-T3908-75*	3	998-T3900F-75	4
CF-8	999-T3900-75	999-T3908-75*	3	999-T3900F-75	4
CF-9	958-T3900-75	958-T3908-75*	3	958-T3900F-75	4
CF-36	925-T3900S-75	925-T3908-75	3	925-T3900F-75	4

Cable Group	Solder-Clamp (Semi-Rigid Cable)	
	Captive Contact	
	Part Number	Figure
SR-5	Contact Factory	1
SR-6	Contact Factory	1

Cable Group	Wedge-Eze	
	Non-captive Contact	
	Part Number	Figure
CF-5, 6	100-T3600-75	5
CF-7, 8	150-T3600-75	5

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add **K** at beginning of part number. For gold-plated body add **G** at beginning of part number.
- See page 15 for cable groups. Most types available for other cables not shown above.
- See page 16 for mounting hole dimensions.
- *Available in MIL-PRF-39012/28 QPL version.

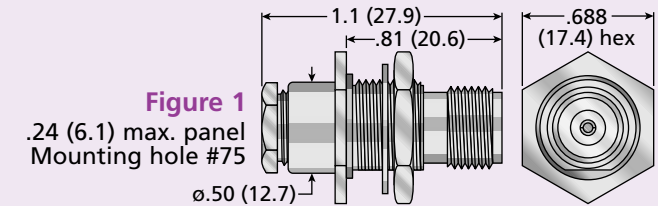


Figure 1

.24 (6.1) max. panel
Mounting hole #75

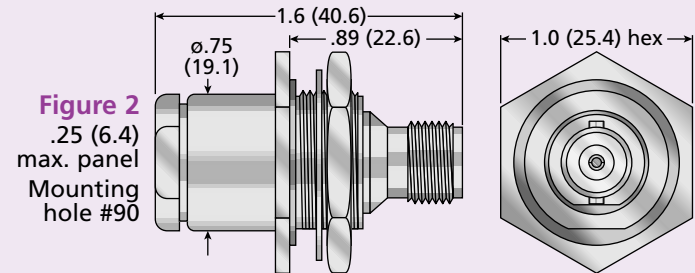


Figure 2

.25 (6.4)
max. panel
Mounting hole #90

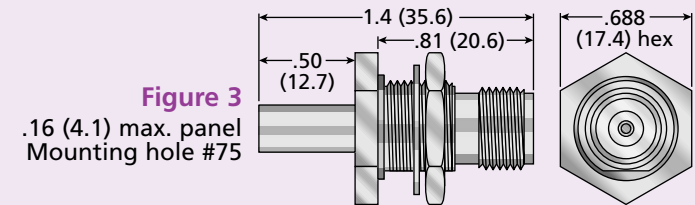


Figure 3

.16 (4.1) max. panel
Mounting hole #75

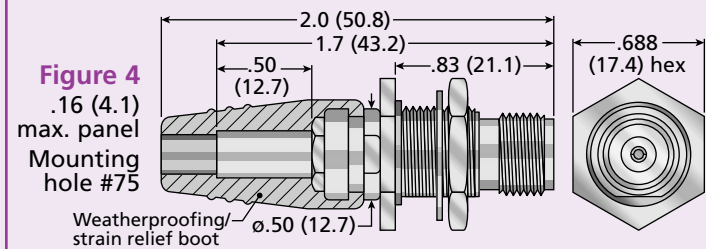


Figure 4

.16 (4.1)
max. panel
Mounting hole #75

Weatherproofing/
strain relief boot

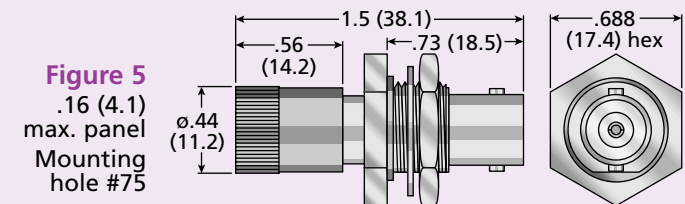


Figure 5

.16 (4.1)
max. panel
Mounting hole #75

Bulkhead Mounted Cable Jacks—Front Mount and Right Angle

Cable Group	Front Mount—Wedge-Lock and V-Groove				
	Wedge-Lock		V-Groove		Figure
	Standard	Improved	Non-Captive Contact	Captive Contact	
CF-1	801-T3800-81	801-T3800B-81	011-T3000A-81	011-T3100A-81	1
CF-2	819-T3800-81	819-T3800B-81	025-T3000A-81	025-T3100A-81	1
CF-3, 4	847-T3800-81	847-T3800B-81	039-T3000A-81	039-T3100A-81	1
CF-5, 6	101-T3800-81	101-T3800B-81	100-T3000A-81	101-T3100A-81	1
CF-7, 8	151-T3800-81	151-T3800B-81	150-T3000A-81	151-T3100A-81	1
CF-9	121-T3800-81	121-T3800B-81	120-T3000A-81	121-T3100A-81	1
CF-36	825-T3800-81	825-T3800B-81	825-T3000A-81	825-T3100A-81	1

Cable Group	Front Mount—X-Crimp	
	Captive Contact	
	Part Number	Figure
CF-2	919-T3900F-81	1
CF-5	980-T3900F-81	1
CF-6	988-T3900F-81	1
CF-7	998-T3900F-81	1

Cable Group	Right Angle—Wedge-Lock and V-Groove			
	Wedge-Lock		V-Groove	Figure
	Standard	Improved	Captive Contact	
CF-1	801-T4800-75	801-T4800B-75	011-T4100A-75	3
CF-2	819-T4800-75	819-T4800B-75	025-T4100A-75	3
CF-3, 4	847-T4800-75	847-T4800B-75	039-T4100A-75	3
CF-5, 6	101-T4800-75	101-T4800B-75	101-T4100A-75	3
CF-7, 8	151-T4800-75	151-T4800B-75	151-T4100A-75	3
CF-9	121-T4800-75	121-T4800B-75	121-T4100A-75	3
CF-36	825-T4800-75	825-T4800B-75	825-T4100A-75	3

Cable Group	Solder-Clamp (Semi-Rigid Cable)			
	Captive Contact			
	Front Mount	Figure	Right Angle	Figure
SR-5	Contact Factory	1	Contact Factory	3
SR-6	Contact Factory	1	Contact Factory	3

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add K at beginning of part number. For gold-plated body add G at beginning of part number.
- See page 15 for cable groups. Most types available for other cables not shown above.
- See page 16 for mounting hole dimensions.

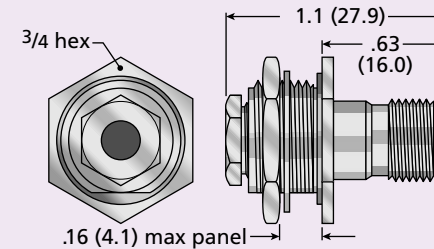


Figure 1

.16 (4.1) max. panel • Mounting hole #81

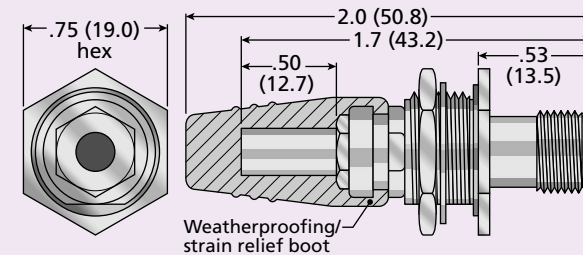


Figure 2

.16 (4.1) max. panel • Mounting hole #81

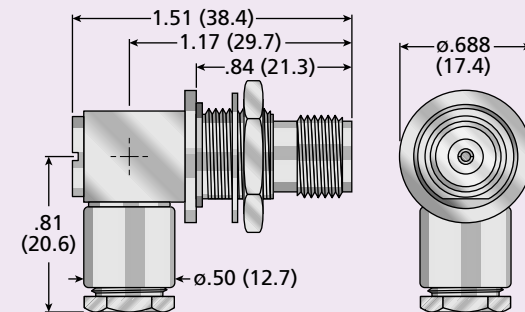


Figure 3

.19 (4.8) max. panel • Mounting hole #75



Bulkhead Mounted Cable Jacks—Pressurized

Cable Group	Straight Rear Mount—Wedge-Lock and V-Groove				
	Wedge-Lock		V-Groove		Figure
	Standard	Improved	Non-Captive Contact	Captive Contact	
CF-1	801-T3801-75	801-T3801B-75	011-T3001-75	011-T3101-75	1
CF-2	819-T3801-75	819-T3801B-75	025-T3001-75	025-T3101-75	1
CF-3, 4	847-T3801-75	847-T3801B-75	039-T3001-75	039-T3101-75	1
CF-5, 6	101-T3801-75	101-T3801B-75	100-T3001-75	101-T3101-75	1
CF-7, 8	151-T3801-75	151-T3801B-75	150-T3001-75	151-T3101-75	1
CF-9	121-T3801-75	121-T3801B-75	120-T3001-75	121-T3101-75	1
CF-22	301-T3801D-75	301-T3801Y-75	300-T3001-75	301-T3101-75	2
CF-36	825-T3801-75	825-T3801B-75	825-T3001-75	825-T3101-75	1

Cable Group	Right Angle—Wedge-Lock and V-Groove			
	Wedge-Lock		V-Groove	Figure
	Standard	Improved	Captive Contact	
CF-1	801-T4801-75	801-T4801B-75	011-T4101-75	3
CF-2	819-T4801-75	819-T4801B-75	025-T4101-75	3
CF-3, 4	847-T4801-75	847-T4801B-75	039-T4101-75	3
CF-5, 6	101-T4801-75	101-T4801B-75	101-T4101-75	3
CF-7, 8	151-T4801-75	151-T4801B-75	151-T4101-75	3
CF-9	121-T4801-75	121-T4801B-75	121-T4101-75	3
CF-36	825-T4801-75	825-T4801B-75	825-T4101-75	3

Cable Group	Solder-Clamp (Semi-Rigid Cable)			
	Captive Contact			
	Straight	Figure	Right Angle	Figure
SR-5	Contact Factory	1	Contact Factory	3
SR-6	Contact Factory	1	Contact Factory	3

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add K at beginning of part number. For gold-plated body add G at beginning of part number.
- See page 15 for cable groups. Most types available for other cables not shown above.
- See page 16 for mounting hole dimensions.

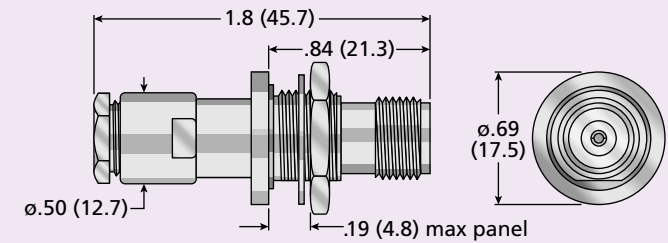


Figure 1
.19 (4.8) max. panel • Mounting hole #75

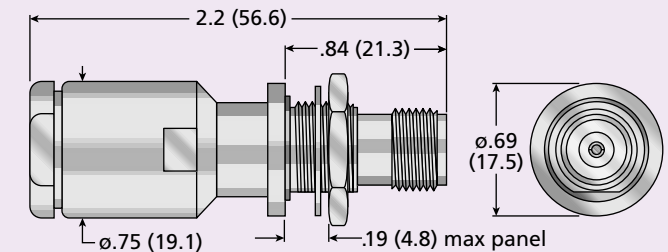


Figure 2
.19 (4.8) max. panel • Mounting hole #75

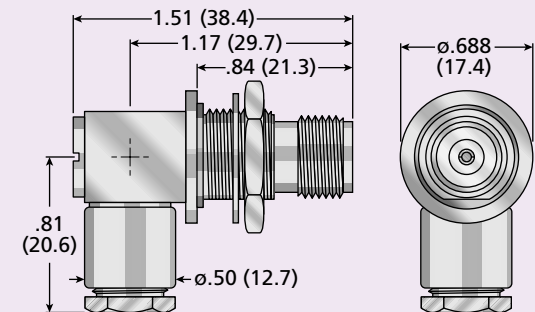


Figure 3
.19 (4.8) max. panel • Mounting hole #75

Straight Panel Mounted Cable Jacks

Cable Group	Wedge-Lock and V-Groove				Figure
	Wedge-Lock		V-Groove		
	Standard	Improved	Non-Captive Contact	Captive Contact	
CF-1	801-T3800W-10	801-T3800B-10	011-T3000A-10	011-T3100A-10	1
CF-2	819-T3800W-10	819-T3800B-10*	025-T3000A-10	025-T3100A-10*	1
CF-3, 4	847-T3800W-10	847-T3800B-10	039-T3000A-10	039-T3100A-10	1
CF-5, 6	101-T3800-10	101-T3800B-10*	100-T3000A-10	101-T3100A-10*	1
CF-7, 8	151-T3800-10	151-T3800B-10*	150-T3000A-10	151-T3100A-10*	1
CF-9	121-T3800-10	121-T3800B-10*	120-T3000A-10	121-T3100A-10*	1
CF-22	301-T3800D-20	301-T3800Y-20	300-T3000A-20	301-T3100A-20	2
CF-36	825-T3800W-10	825-T3800B-10	825-T3000A-10	825-T3100A-10	1

Cable Group	Econo-Crimp and X-Crimp				
	Econo-Crimp		Figure	X-Crimp	Figure
	Non-Captive Contact	Captive Contact			
CF-2	919-T3900S-10	919-T3908-10*	3	919-T3900F-10	4
CF-3, 4	947-T3900S-10	947-T3908-10*	3	947-T3900F-10	4
CF-5	980-T3900-10	980-T3908-10*	3	980-T3900F-10	4
CF-6	988-T3900-10	988-T3908-10*	3	988-T3900F-10	4
CF-7	998-T3900-10	998-T3908-10*	3	998-T3900F-10	4
CF-8	999-T3900-10	999-T3908-10*	3	999-T3900F-10	4
CF-9	958-T3900-10	958-T3908-10*	3	958-T3900F-10	4
CF-36	925-T3900S-10	925-T3908-10	3	925-T3900F-10	4

Cable Group	Solder-Clamp (Semi-Rigid Cable)	
	Captive Contact	
	Part Number	Figure
SR-5	Contact Factory	1
SR-6	Contact Factory	1

Cable Group	Wedge-Eze	
	Non-captive Contact	
	Part Number	Figure
CF-5, 6	Contact Factory	5
CF-7, 8	Contact Factory	5

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add **K** at beginning of part number. For gold-plated body add **G** at beginning of part number.
- See page 15 for cable groups. Most types available for other cables not shown above.
- All items available with other flange sizes (see page 16).
- *Available in MIL-PRF-39012/29 QPL version.

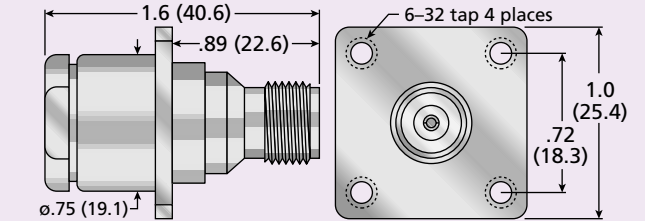
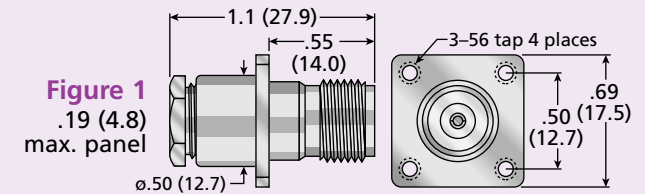


Figure 2 .19 (4.8) max. panel

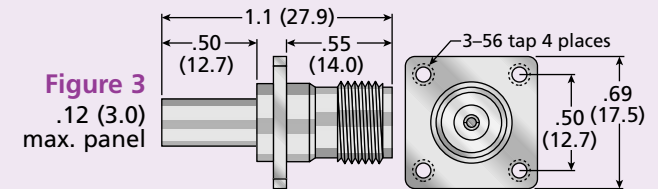


Figure 3 .12 (3.0) max. panel

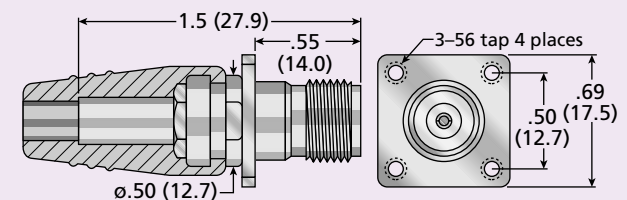


Figure 4 .19 (4.8) max. panel

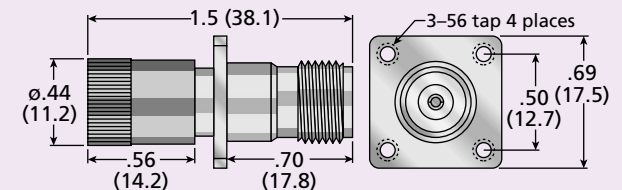


Figure 5 .25 (6.4) max. panel

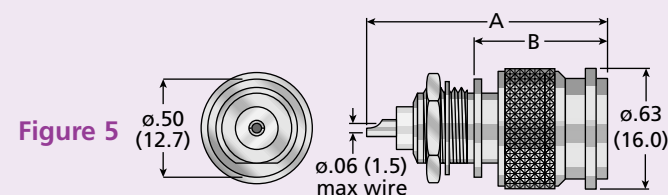
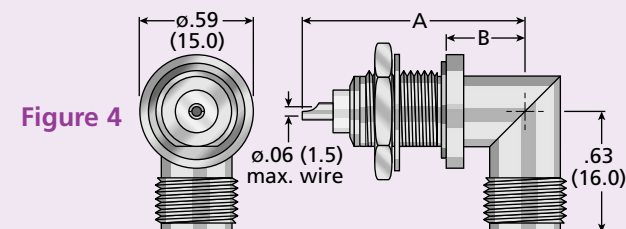
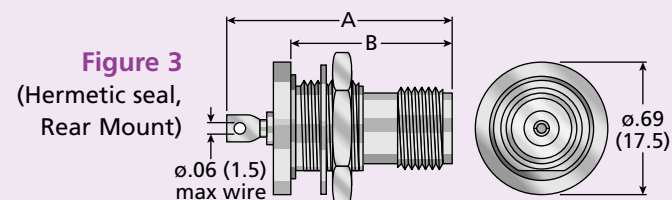
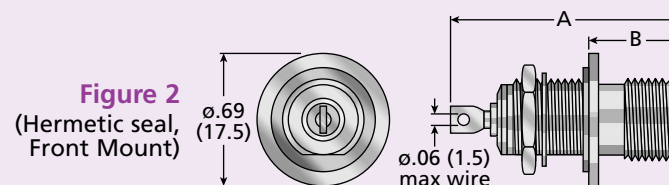
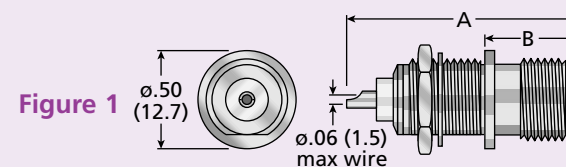
Bulkhead Mounted Receptacles

Jack Receptacles					
Figure	Mounting	Dim. A	Dim. B	Max. Panel	Part Number
1	60	1.06 (26.9)	.47 (11.9)	.08 (2.0)	60-T3000
1	60	1.19 (30.2)	.47 (11.9)	.19 (4.8)	60-T3000A*
1	70	1.06 (26.9)	.47 (11.9)	.08 (2.0)	70-T3000
1	70	1.19 (30.2)	.47 (11.9)	.19 (4.8)	70-T3000A*
2	60	1.06 (26.9)	.52 (13.2)	.08 (2.0)	60-T3501
2	65	1.06 (26.9)	.52 (13.2)	.08 (2.0)	65-T3501
2	70	1.06 (26.9)	.52 (13.2)	.08 (2.0)	70-T3501
3	75	1.22 (31.0)	.82 (20.8)	.19 (4.8)	75-T3501
4	60	1.03 (26.2)	.63 (16.0)	.06 (1.5)	60-T4000
4	60	1.16 (29.5)	.75 (19.1)	.19 (4.8)	60-T4000B
4	65	1.03 (26.2)	.63 (16.0)	.06 (1.5)	65-T4000
4	65	1.16 (29.5)	.75 (19.1)	.19 (4.8)	65-T4000B
4	65	1.16 (29.5)	.75 (19.1)	.19 (4.8)	65-T40001†
4	70	1.03 (26.2)	.63 (16.0)	.06 (1.5)	70-T4000
4	70	1.16 (29.5)	.75 (19.1)	.19 (4.8)	70-T4000B
4	70	1.16 (29.5)	.75 (19.1)	.19 (4.8)	70-T40001†

- See page 16 for mounting hole dimensions.
- *Available in MIL-PRF-39012/31 QPL version.
- † Pressurized.

Plug Receptacles					
Figure	Mounting	Dim. A	Dim. B	Max. Panel	Part Number
5	60	1.2 (30.5)	.63 (16.0)	.09 (2.3)	10-32001-001

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add **K** at beginning of part number. For gold-plated body add **G** at beginning of part number.
- See page 16 for mounting hole dimensions.



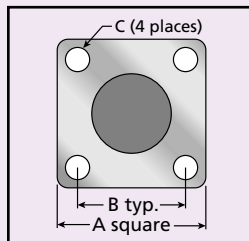
Panel Mounted Receptacles

Panel Jack Receptacles

Figure	Flange	Max. Panel	Part Number
1	10	.20 (5.1)	10-T3000*
1	11	.20 (5.1)	11-T3000
1	13	.20 (5.1)	13-T3000
1	14	.20 (5.1)	14-T3000
1	15	.20 (5.1)	15-T3000
2	10	.20 (5.1)	10-T3100
2	11	.20 (5.1)	11-T3100
2	13	.20 (5.1)	13-T3100
2	14	.20 (5.1)	14-T3100
2	15	.20 (5.1)	15-T3100
3	10	.12 (3.0)	10-T4000
3	15	.12 (3.0)	15-T4000

Panel Plug Receptacles

Figure	Flange	Max. Panel	Part Number
4	10	.12 (3.0)	10-T1000
4	15	.12 (3.0)	15-T1000



Flange #	Flange Sizes		
	A	B	C
10	.69 (17.5)	.50 (12.7)	3-56 tap
11	.69 (17.5)	.50 (12.7)	ø.11 (2.8)
13	.69 (17.5)	.50 (12.7)	ø.125 (3.2)
14	.69 (17.5)	.50 (12.7)	ø.14 (3.6)
15	.75 (19.1)	.53 (14.0)	ø.13 (3.3)

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add **K** at beginning of part number. For gold-plated body add **G** at beginning of part number.
- All are available with other flange sizes (see page 16).

*Available in MIL-PRF-39012/32 QPL version.

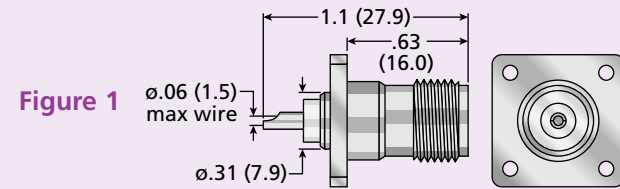


Figure 1

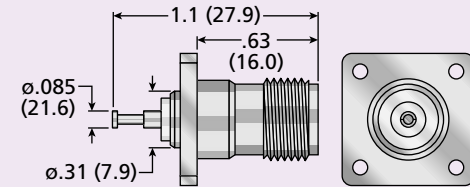


Figure 2

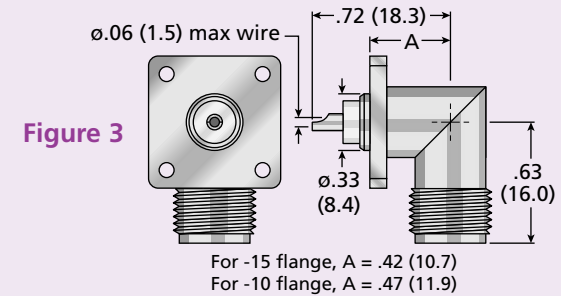


Figure 3

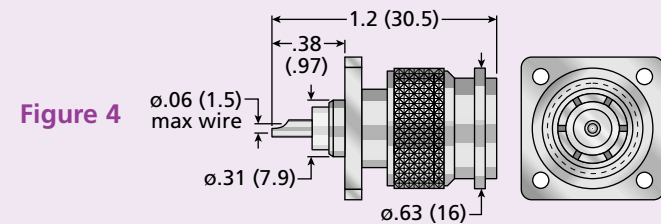


Figure 4



Dust Caps and Resistor Terminations

Dust Caps				
Figure	Mating	Dim. A	Chain	Part Number
1	Plug	2.25 (57.2)	Bead	1-T722*
1	Plug	2.25 (57.2)	Bead	2-T722†
1	Plug	—	None	1-T700
1	Plug	—	None	2-T700†
2	Jack	3.25 (82.6)	Bead	3-T755
2	Jack	3.25 (82.6)	Bead	4-T755†
2	Jack	—	None	3-T700
2	Jack	—	None	4-T700†

- All items have silver-plated bodies.
For nickel-plated body, add K at beginning of part number.
For gold-plated body add G at beginning of part number.
- *Available in MIL-PRF-39012/25 QPL version.
- † Shorting type.

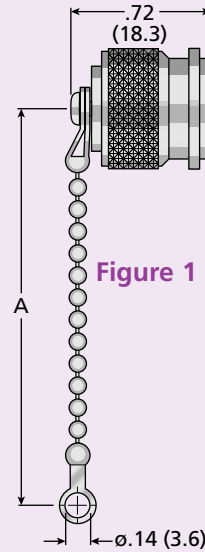


Figure 1

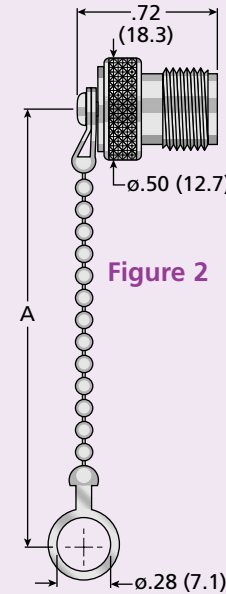


Figure 2

Resistor Terminations					
Figure	Mating	Resistor	Dim A	Chain	Part Number
3	Plug	51 ohm, 1/2W, 5%	3.25 (82.6)	Bead	5-T062-51
3	Plug	51 ohm, 1/2W, 5%	—	None	5-T000-51
3	Plug	100 ohm, 1/2W, 5%	3.25 (82.6)	Bead	5-T062-100
3	Plug	100 ohm, 1/2W, 5%	—	None	5-T000-100

Also available with other resistances.

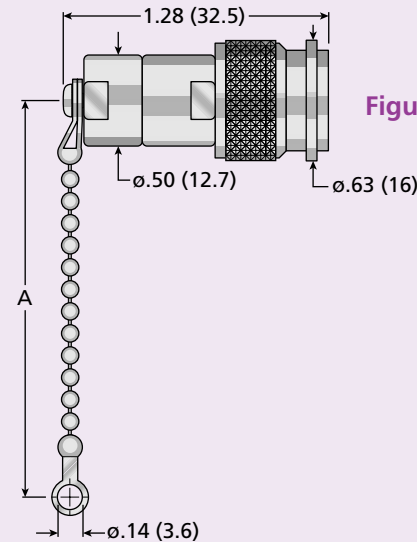


Figure 3

Adapters Within Series

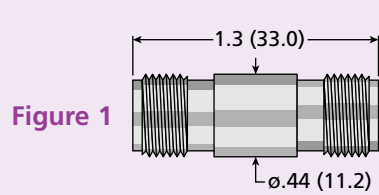


Figure 1

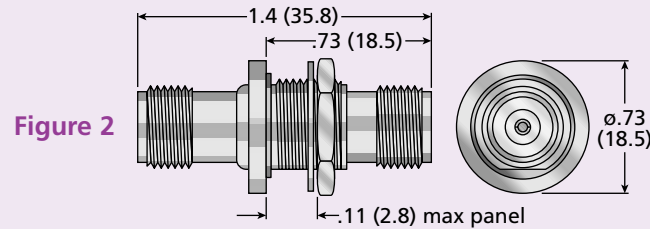


Figure 2

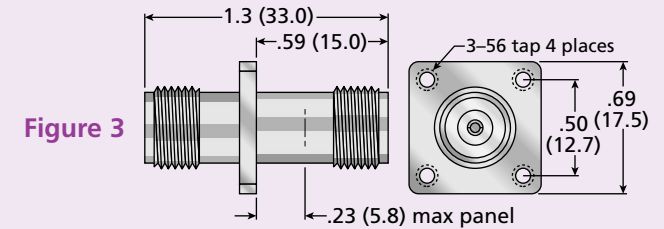


Figure 3

Straight Adapters		
Type	Figure	Part Number
Jack-Jack	1	T3000
Jack-Jack, bulkhead mounted	2	T3000-75
Jack-Jack, bulkhead mounted, hermetic	2	T3001-75
Jack-Jack, panel mounted	3	T3000-10
Plug-Plug	4	T1500

Right Angle Adapters		
Type	Figure	Part Number
Jack-Plug	5	T2100
Jack-Jack, bulkhead mounted, hermetic	6	T4001-75

Tee Adapters		
Type	Figure	Part Number
Jack-Jack-Jack	7	T7600
Jack-Plug-Jack	8	T7200
Plug-Jack-Plug	9	T7300
Plug-Plug-Plug	10	T7400

- All items have silver-plated bodies and gold-plated contacts. For nickel-plated body, add **K** at beginning of part number. For gold-plated body add **G** at beginning of part number.

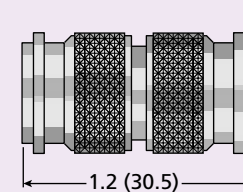


Figure 4

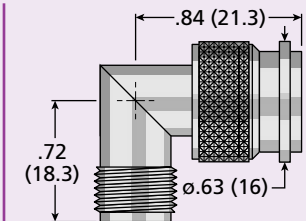


Figure 5

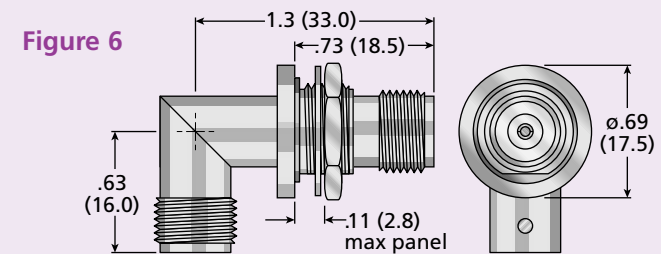


Figure 6

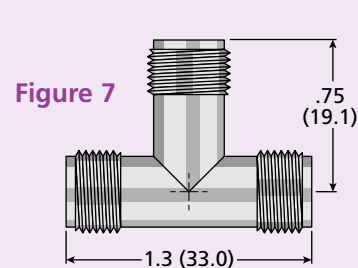


Figure 7

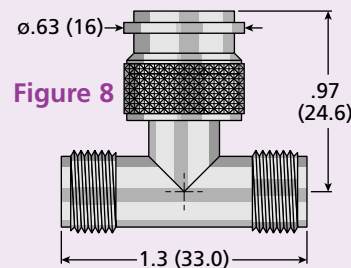


Figure 8

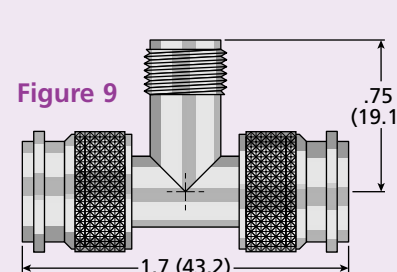


Figure 9

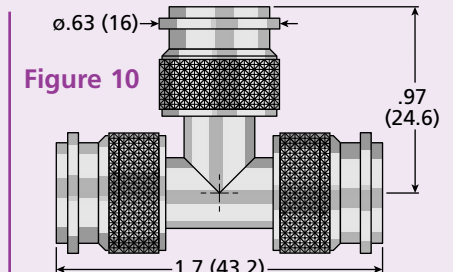


Figure 10



Cable Groups Listed by Cable Type

RG Cables*															
Type	Group	Type	Group	Type	Group	Type	Group	Type	Group	Type	Group	Type	Group	Type	Group
RG-5	CF-13	RG-21	CF-13	RG-58	CF-5	RG-94	CF-33	RG-148	CF-26	RG-180	CF-3	RG-215	CF-23	RG-303	CF-10
RG-6	CF-14	RG-22	TW-2	RG-59	CF-7	RG-108	TW-1	RG-149	CF-26	RG-187	CF-2	RG-216	CF-26	RG-304	CF-12
RG-7	CF-17	RG-30	CF-15	RG-62	CF-7	RG-115	CF-14	RG-150	CF-28	RG-188	CF-2	RG-217	CF-34	RG-307	TR-1
RG-8	CF-22	RG-31	CF-22	RG-63	CF-29	RG-115A	CF-18	RG-156	CF-25	RG-188DS	CF-36	RG-222	CF-13	RG-316	CF-2
RG-9	CF-22	RG-32	CF-23	RG-65	CF-32	RG-116	CF-23	RG-161	CF-2	RG-195	CF-4	RG-223	CF-6	RG-316DS	CF-36
RG-10	CF-23	RG-38	CF-13	RG-71	CF-8	RG-122	CF-9	RG-166	CF-23	RG-196	CF-1	RG-226	CF-35	RG-393	CF-21
RG-11	CF-26	RG-39	CF-14	RG-79	CF-29	RG-140	CF-7	RG-174	CF-2	RG-210	CF-7	RG-227	CF-23	RG-400	CF-6
RG-12	CF-28	RG-41	CF-19	RG-83	CF-20	RG-141	CF-5	RG-174DS	CF-36	RG-212	CF-13	RG-229	CF-23	RG-402	SR-6
RG-13	CF-26	RG-54	CF-15	RG-87	CF-14	RG-142	CF-6	RG-178	CF-1	RG-213	CF-22	RG-235	CF-18	RG-404	CF-1
RG-14	CF-34	RG-55	CF-6	RG-90	CF-16	RG-144	CF-26	RG-179	CF-2	RG-214	CF-22	RG-302	CF-11	RG-405	SR-5

M17 Cables**									
Type	Group	Type	Group	Type	Group	Type	Group	Type	Group
M17/2	CF-14	M17/74-RG215	CF-23	M17/119	CF-2	M17/164	CF-22	M17/184	CF-7
M17/6-RG11	CF-26	M17/75	CF-22	M17/127	CF-21	M17/165	CF-34	M17/185	CF-7
M17/6-RG12	CF-28	M17/77	CF-26	M17/128	CF-6	M17/167	CF-6	M17/186	TW-1
M17/15-RG22	TW-2	M17/78	CF-34	M17/130	SR-6	M17/168	CF-17	M17/187	CF-9
M17/28	CF-5	M17/84	CF-6	M17/132	CF-1	M17/169	CF-1	M17/188	CF-13
M17/29	CF-7	M17/90	CF-8	M17/133	SR-5	M17/170	CF-10	M17/189	CF-23
M17/30	CF-7	M17/92	CF-17	M17/138	CF-2	M17/171	CF-12	M17/190	CF-22
M17/31	CF-29	M17/93	CF-1	M17/151	SR-2	M17/172	CF-2	M17/191	CF-26
M17/45	TW-1	M17/94	CF-2	M17/152	CF-36	M17/173	CF-2	M17/194	CF-6
M17/54	CF-9	M17/95	CF-3	M17/154	SR-1	M17/174	CF-21	M17/195	CF-8
M17/60	CF-6	M17/97	CF-7	M17/155	CF-5	M17/175	CF-6	M17/196	CF-2
M17/62	CF-26	M17/110	CF-11	M17/157	CF-9	M17/180	CF-14	M17/197	CF-6
M17/65	CF-23	M17/111	CF-10	M17/158	CF-6	M17/181	CF-26	M17/198	CF-9
M17/73	CF-13	M17/112	CF-12	M17/162	CF-13	M17/182	TW-2	M17/199	CF-13
M17/74-RG213	CF-22	M17/113	CF-2	M17/163	CF-22	M17/183	CF-6	M17/200	CF-6

Semi-Rigid Cables by Jacket Diameter											
Size	Group	Size	Group	Size	Group	Size	Group	Size	Group	Size	Group
.034"	SR-1	.047"	SR-2	.056"	SR-3	.070"	SR-4	.086"	SR-5	.141"	SR-6

*Unless otherwise noted, cable groups include all variants (A/U, B/U, etc.) of RG types. 'DS' indicates double-shielded version of RG cable.

**Unless otherwise noted, cable groups include all variants of M17 slash sheet indicated.

Construction codes: CF = Coaxial, Flexible; SR = Semi-Rigid; TR = Triaxial; TW = Twinaxial

Bulkhead Mounting Hole Sizes and Flange Dimensions

Mounting Holes—Bulkhead Connectors

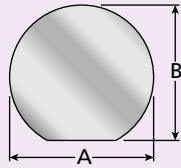
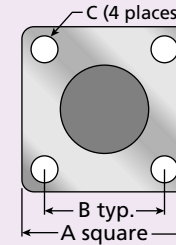


Figure	Diameter A	Dimension B
60	.390 (9.9)	.351 (8.9)
62	.390 (9.9)	.328 (8.3)
65	.406 (10.3)	.359 (9.1)
70	.437 (11.1)	.407 (10.3)
75	.515 (13.1)	.476 (12.1)
81	.640 (16.3)	.601 (15.3)
90	.765 (19.4)	.727 (18.5)

Flange Dimensions—Panel Connectors



Flange #	A	B	C
10	.69 (17.5)	.50 (12.7)	3-56 tap
11	.69 (17.5)	.50 (12.7)	ø.11 (2.8)
13	.69 (17.5)	.50 (12.7)	ø.13 (3.2)
14	.69 (17.5)	.50 (12.7)	ø.14 (3.6)
15	.75 (19.1)	.53 (14.0)	ø.13 (3.3)
20	1.00 (25.4)	.72 (18.3)	6-32 tap
25	1.00 (25.4)	.79 (20.1)	ø.13 (3.3)