



75 Ohm TNC Female Bulkhead Mount Connector Clamp/ Solder Attachment for RG59, RG62, RG71, .480 inch D Hole

RF Connectors Technical Data Sheet

PE44175

Configuration

- TNC Female Connector
- 75 Ohms
- Straight Body Geometry
- RG59, RG62, RG71 Interface Type
- Clamp/Solder Attachment
- Bulkhead

Features

- Silver Plated Brass Contact
- Contact plating according to ASTM-B700

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE44175 75 ohm TNC female bulkhead connector with clamp/solder attachment for RG59, RG62 and RG71 (.480 inch D hole) is part of our full line of RF components available for same-day shipping. This TNC bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our 75 ohm TNC female bulkhead connector PE44175 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Mechanical Specifications

Size

Length
Width/Dia.
Weight

1.15 in [29.21 mm]
0.688 in [17.48 mm]
0.041 lbs [18.6 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver ASTM-B700
Insulation	PTFE	
Body	Brass	Nickel ASTM-B689

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for RG59, RG62, RG71, .480 inch D Hole PE44175](#)



75 Ohm TNC Female Bulkhead Mount Connector Clamp/
Solder Attachment for RG59, RG62, RG71, .480 inch D Hole

RF Connectors Technical Data Sheet

PE44175

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for RG59, RG62, RG71, .480 inch D Hole from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for RG59, RG62, RG71, .480 inch D Hole PE44175](#)

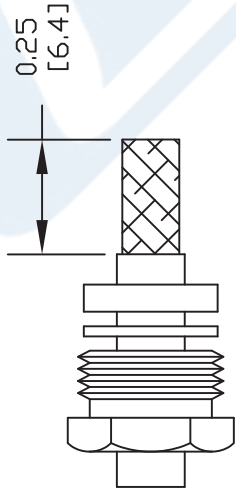
URL: <https://www.pasternack.com/tnc-female-standard-rg59-connector-pe44175-p.aspx>

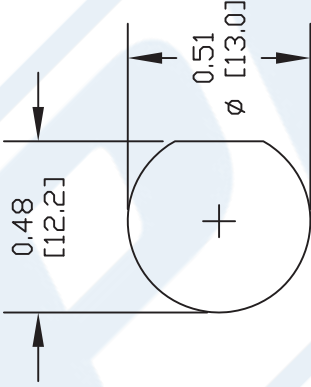
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE44175 CAD Drawing

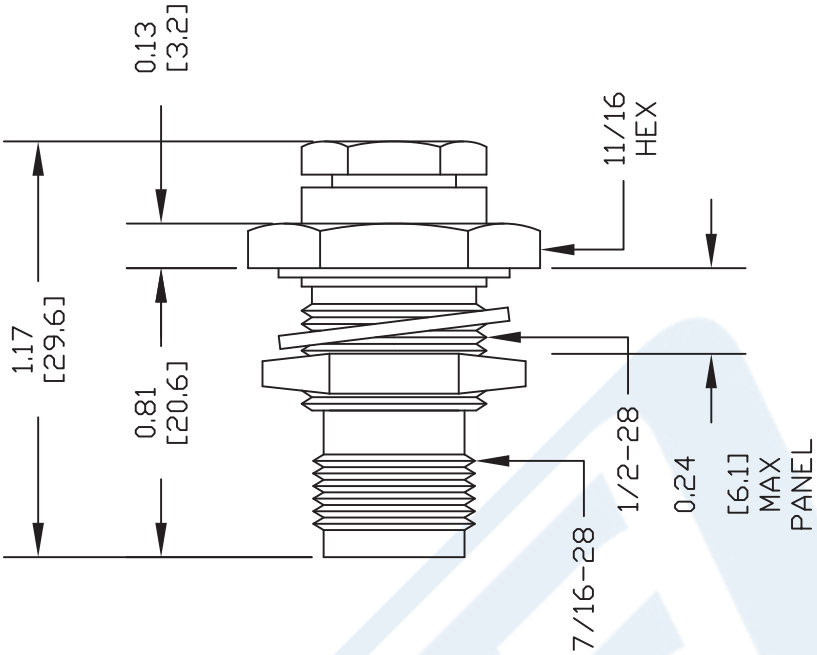
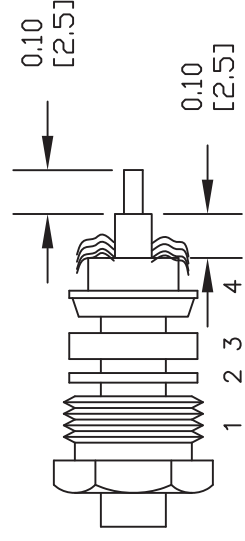
75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder
Attachment for RG59, RG62, RG71, .480 inch D Hole

ASSEMBLY PROCEDURES

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1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST JACKET.
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2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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DWG TITLE
PE44175

FSCM NO. 53919

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

CAD FILE 042210-B

SCALE N/A

SIZE A

2233



75 Ohm F Male Connector Crimp/Solder Attachment for RG59, RG62, RG71

RF Connectors Technical Data Sheet

PE44316

Configuration

- F Male Connector
- 75 Ohms
- Straight Body Geometry
- RG59, RG62, RG71 Interface Type
- Crimp/Solder Attachment
- 7/16 inch Hex

Features

- Max. Operating Frequency 1,000 MHz
- Nickel Plated Brass Contact
- 100 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

Description

Pasternack's PE44316 75 ohm type F male connector with crimp/solder attachment for RG59, RG62 and RG71 is part of our full line of RF components available for same-day shipping. Our type F male connector operates up to a maximum frequency of 1,000 MHz.

Our 75 ohm type F male connector PE44316 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz

Mechanical Specifications

Size	
Length	0.764 in [19.41 mm]
Width/Dia.	0.433 in [11.00 mm]
Weight	0.022 lbs [9.98 g]
Mating Torque	12 to 15 in-lbs [1.36 to 1.70 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE44316](#)



75 Ohm F Male Connector Crimp/Solder
Attachment for RG59, RG62, RG71

RF Connectors Technical Data Sheet

PE44316

Material Specifications

Description	Material	Plating
Contact	Brass	Nickel 100 µin minimum
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

75 Ohm F Male Connector Crimp/Solder Attachment for RG59, RG62, RG71 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

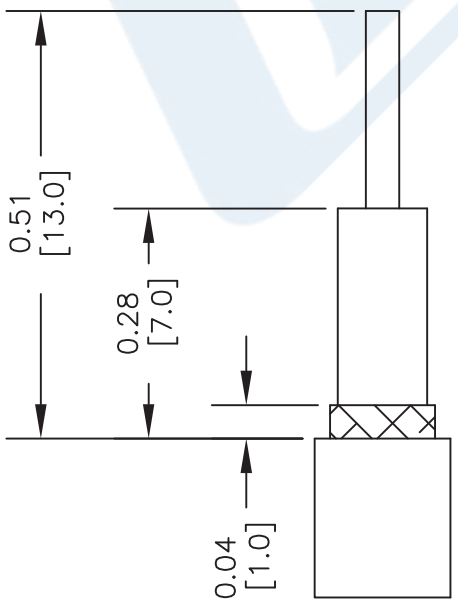
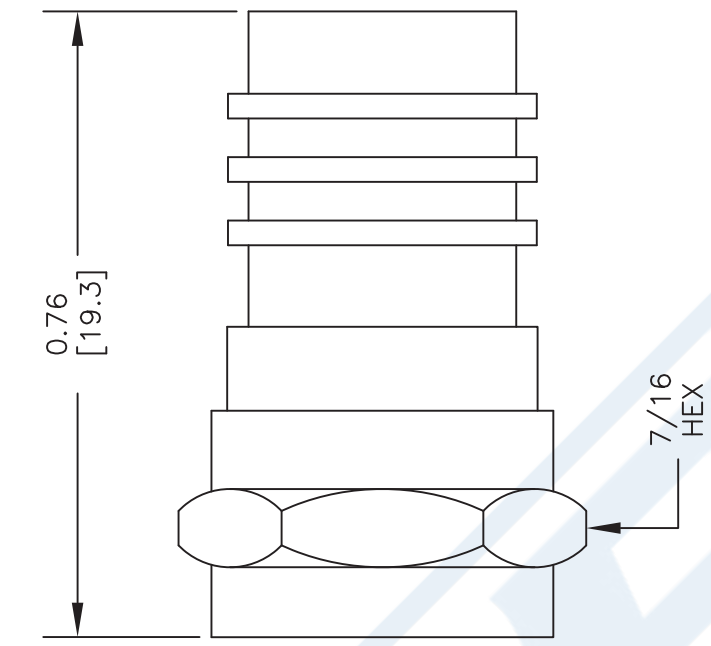
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE44316](#)

URL: <https://www.pasternack.com/f-male-standard-rg59-rg62-connector-pe44316-p.aspx>

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PE44316 CAD Drawing

75 Ohm F Male Connector Crimp/Solder Attachment for RG59, RG62, RG71



STRIPPING DIMENSIONS
ASSEMBLY PROCEDURES

- 1. STRIP CABLE AS SHOWN.
- 2. INSERT CABLE INTO CONNECTOR AND PUSH SO THAT INNER FERRULE PORTION OF BODY SLIDES UNDER BRAID AND JACKET. WITH CENTER CONDUCTOR PROTRUDING THROUGH HOLE AND THE DIELECTRIC SHOULD FLUSH WITH CONNECTOR SHOULDER. THEN CRIMP.

CRIMP SIZE REQUIRED
.324" HEX CRIMP TOOL

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE
PE44316

REV. A	FSCM NO. 53919	CAD FILE 110911	SCALE N/A	SIZE A	2233
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75 Ohm Flexible RG59-WHITE Coax Cable Double Shielded with White PVC Jacket

RF Cables Technical Data Sheet

RG59-WHITE

Configuration

Flexible Cable
2 Number of Shields

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		75		Ohms
Velocity of Propagation		83		%
Operating Voltage (AC)			300	Vrms
Nominal Capacitance		16.2 [53.15]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	300	400	550	750	870	MHz
Attenuation, Typ	4.27	4.88	5.9	6.96	7.54	dB/100ft
	14.01	16.01	19.36	22.83	24.74	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	1,000					MHz
Attenuation, Typ	8.09					dB/100ft
	26.54					dB/100m

Mechanical Specifications

Diameter	0.242 in [6.15 mm]
Weight	0.03 lbs/ft [0.04 Kg/m]
Min. Bend Radius (Installation)	2.5 in [63.5 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 1 Strands	0.032in [0.81 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59-WHITE Coax Cable Double Shielded with White PVC Jacket RG59-WHITE](#)



75 Ohm Flexible RG59-WHITE Coax Cable
Double Shielded with White PVC Jacket

RF Cables Technical Data Sheet

RG59-WHITE

Dielectric	PE (F)	0.144 in [3.66 mm]
First Shield	Aluminum Tape	
Second Shield	Aluminum Braid	
Jacket	PVC, White	0.242 in [6.15 mm]

Environmental Specifications

Temperature

Operating Range -40 to 80 deg C

Compliance Certifications (visit www.Pasternack.com for current document)

Not RoHS Compliant

REACH Compliant 12/19/2011

Plotted and Other Data

Notes:

75 Ohm Flexible RG59-WHITE Coax Cable Double Shielded with White PVC Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

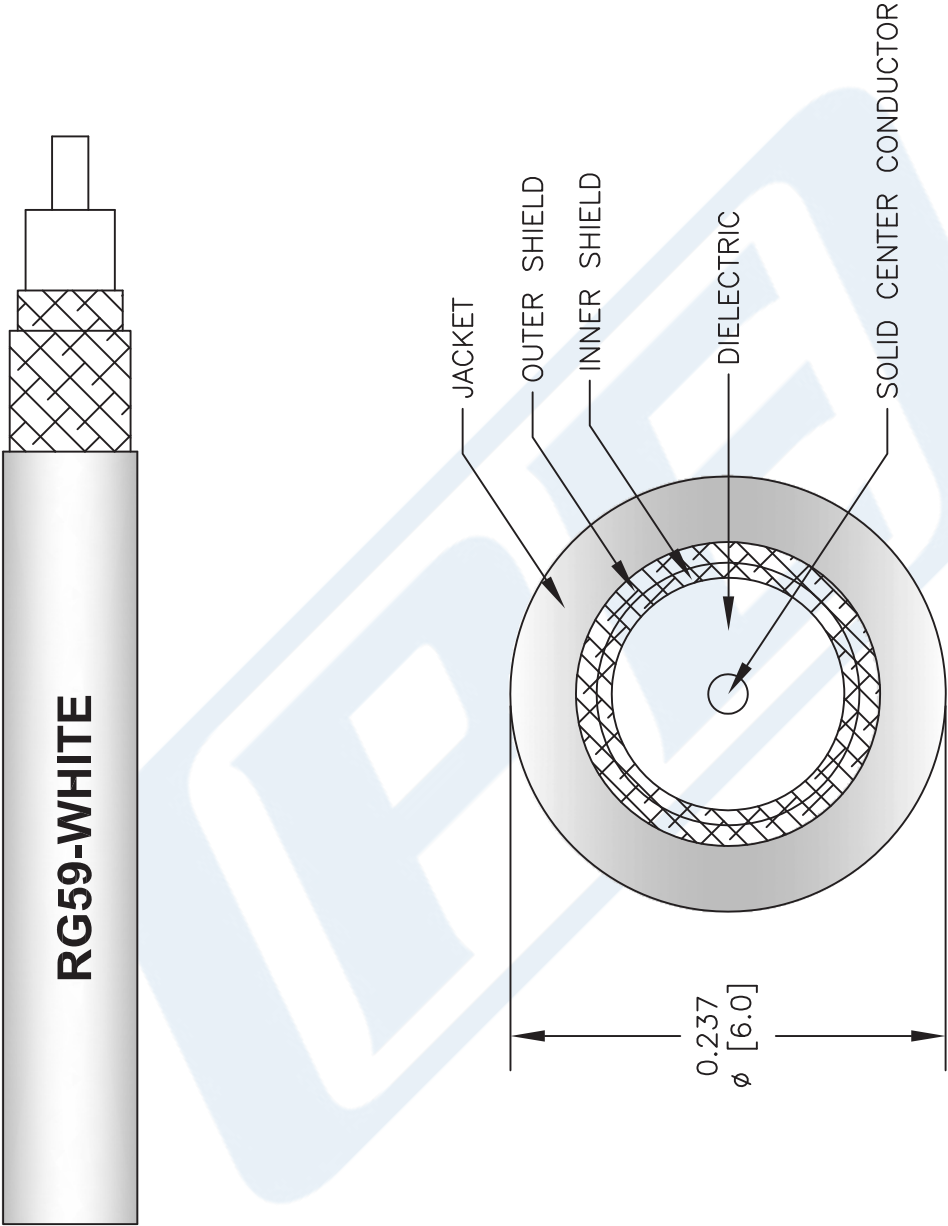
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59-WHITE Coax Cable Double Shielded with White PVC Jacket RG59-WHITE](#)

URL: <http://www.pasternack.com/flexible-0.242-rg59-white-75-ohm-coax-cable-pvc-jacket-rg59-white-p.aspx>

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RG59-WHITE CAD Drawing

75 Ohm Flexible RG59-WHITE Coax Cable Double Shielded with White PVC Jacket



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DWG TITLE
RG59-WHITE

FSCM NO. 53919

CAD FILE 022713

SCALE N/A

SIZE A

2233



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