



75 Ohm BNC Female Bulkhead Mount Connector Crimp/ Solder Attachment for RG179, RG187, .480 inch D Hole

RF Connectors Technical Data Sheet

PE4640

Configuration

- BNC Female Connector
- 75 Ohms
- Straight Body Geometry
- RG179, RG187 Interface Type
- Crimp/Solder Attachment
- Bulkhead

Features

- Max. Operating Frequency 1 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

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

Description

Pasternack's PE4640 75 ohm BNC female bulkhead connector with crimp/solder attachment for RG179 and RG187 (.480 inch D hole) is part of our full line of RF components available for same-day shipping. Our BNC female connector operates up to a maximum frequency of 1 GHz and offers good VSWR of 1.3:1. This BNC 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 BNC female bulkhead connector PE4640 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
VSWR			1.3:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	1.43 in [36.32 mm]
Width/Dia.	0.689 in [17.50 mm]
Weight	0.041 lbs [18.6 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .480 inch D Hole PE4640](#)



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RF Connectors
Technical Data Sheet

PE4640

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	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 BNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG179, RG187, .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 99.4% availability and are part of the broadest selection in the industry.

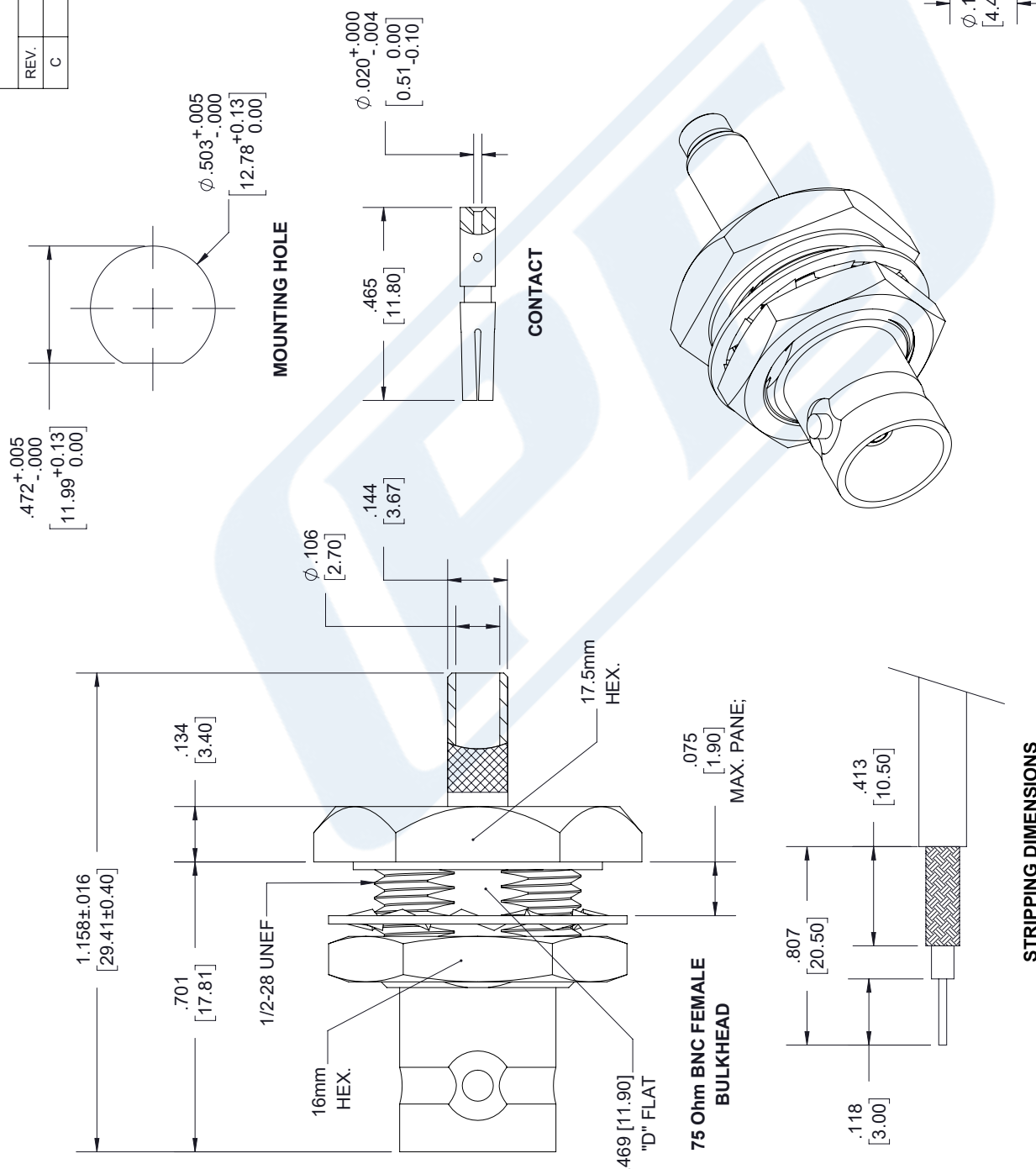
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URL: <https://www.pasternack.com/bnc-female-standard-rg179-rg187-connector-pe4640-p.aspx>

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.

75 Ohm BNC Female Bulkhead Mount Connector Crimp/Solder
Attachment for RG179, RG187, .480 inch D Hole

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	PCR PE4640 20190121	02/28/19	J GARCIA



NOTES:

1. CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER/CRIMP.
2. CRIMP SIZE REQUIRED:
 - FERRULE: .146 [3.70] / .185 [4.70] HEX: CRIMP TOOL
 - CONTACT: .071 [1.80] HEX: CRIMP TOOL.

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

<u>TOLERANCES:</u>		
X=± .2	[.08]	FRACTIONS
.XX=± .01	[.25]	± 1/32
.XXX=± .005	[.13]	ANGLES ± 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



PE PASTERNAK
an INFINITE® brand

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PART NUMBER

BER
PE4640

EV C

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75 Ohm BNC Male Right Angle Connector Clamp/ Solder Attachment For RG179, RG187

TECHNICAL DATA SHEET

PE4609

75 Ohm BNC Male Right Angle Connector Clamp/Solder Attachment For RG179, RG187

Configuration

Connector	BNC Male
Connector Specification	MIL-C-39012
Connector Interface Type	RG179, RG187
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Right Angle

Electrical Specifications

Impedance, Ohms	75
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Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +165
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Size

Length, in [mm]	1.48 [37.59]
Width/Dia., in [mm]	0.57 [14.48]
Height, in [mm]	1.03 [26.16]
Weight, lbs [g]	0.068 [30.84]

Connector

Type	BNC Male
Contact Material and Plating	Silver
Contact Plating Specification	QQ-S-365
Coupling Nut Material and Plating	Brass, Nickel
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

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

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Male Right Angle Connector Clamp/Solder Attachment For RG179, RG187 PE4609](#)

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75 Ohm BNC Male Right Angle Connector Clamp/
Solder Attachment For RG179, RG187

TECHNICAL DATA SHEET

PE4609

Plotted and Other Data

Notes:

Values at 25 °C, sea level

75 Ohm BNC Male Right Angle Connector Clamp/Solder Attachment For RG179, RG187 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

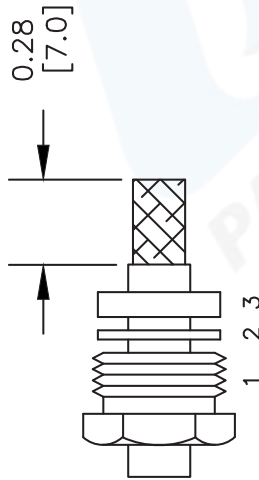
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URL: <http://www.pasternack.com/bnc-male-standard-rg179-rg187-connector-pe4609-p.aspx>

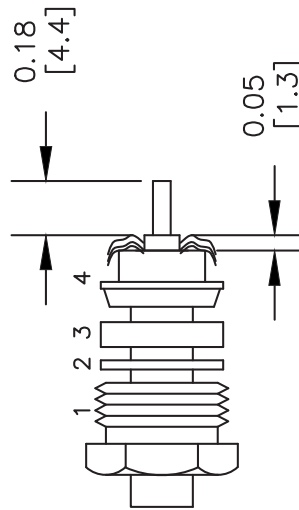
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ASSEMBLY PROCEDURES

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 CABLE.



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.



NOTE

INSERT PTFE BEFORE CONTACT. WITH OPEN END SLIDE OVER CENTER CONDUCTOR RESTING AGAINST DIELECTRIC.



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DWG TITLE

PE4609

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.

REV. A

FSCM NO. 53919

CAD FILE 110811

SCALE N/A

SIZE A

2233

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG187A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		75 ±7		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			2,000	Vrms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
Inner Conductor DC Resistance			245	Ohms/1000ft
Nominal Capacitance		19.5 [63.98]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Attenuation, Typ	21					dB/100ft
	68.9					dB/100m
Input Power (CW), Max	1.4					kWatts

Mechanical Specifications

Diameter	0.102 in [2.59 mm]
Weight	0.02 lbs/ft [0.03 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 7 Strands	0.012 in [0.3 mm]
Conductor Type	Stranded	
Dielectric	PTFE	0.063 in [1.6 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 RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U](#)

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG187A/U

First Shield	Silver Plated Copper Braid	0.081 in [2.06 mm]
Jacket	PTFE, White	0.102 in [2.59 mm]

Environmental Specifications

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

Plotted and Other Data

Notes:

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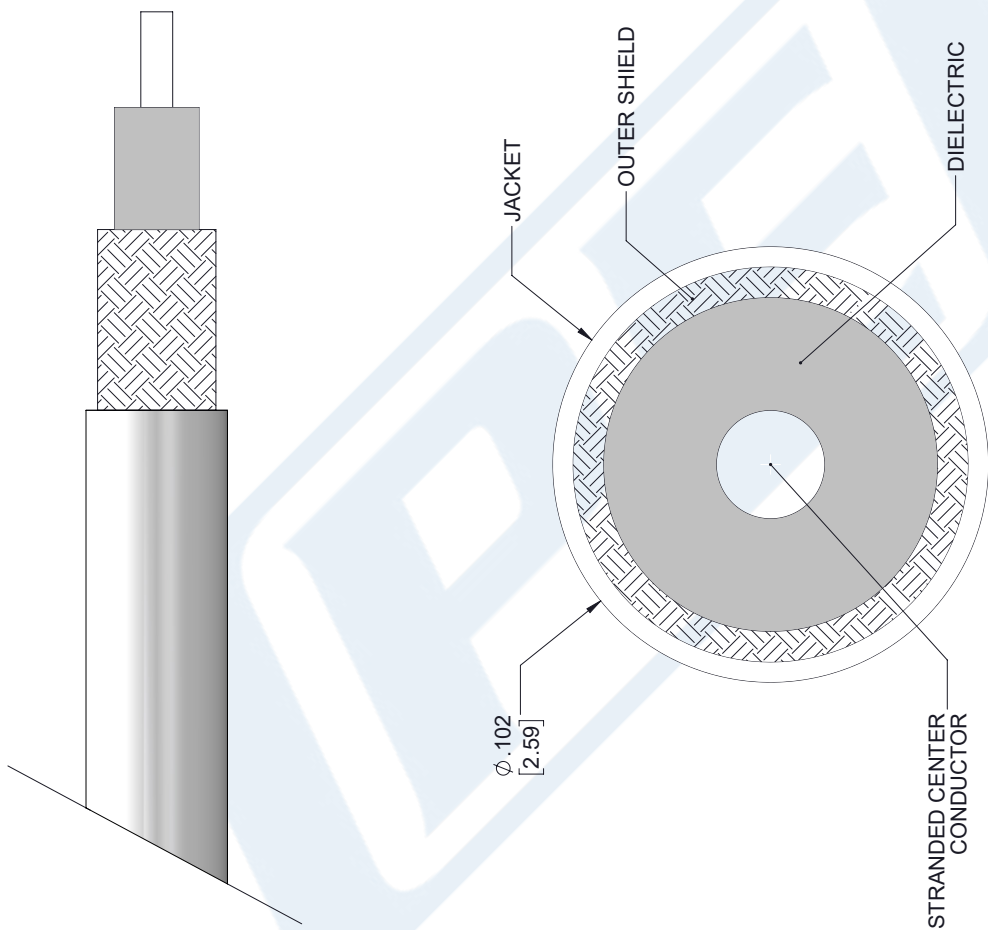
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U](#)

URL: <https://www.pasternack.com/flexible-0.110-rg187-75-ohm-coax-cable-ptfe-jacket-rg187a-u-p.aspx>

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RG187A/U CAD Drawing

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE	RG187A/U
CAGE CODE	53919

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CAD FILE	05/11/18	SCALE	N/A
SIZE	A		7361