



RP TNC Female Bulkhead Connector Crimp/Solder Attachment For RG316, RG174, RG188, .480 inch D Hole

RF Connectors Technical Data Sheet

PE4700

Configuration

- TNC Female Reverse Polarity Connector
 - 50 Ohms
 - Straight Body Geometry
 - Connector Interface Types: .100 inch, RG316, RG174,
- RG188, LMR-100, LMR-100A, LMR-100A-FR, PE-C100, PE-B100
- Bulkhead

Features

- Max. Operating Frequency 3 GHz
- Gold Plated Brass Contact
- 30 μ m minimum contact plating
- Reverse Polarity

Applications

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

Description

Pasternack's PE4700 RP TNC female bulkhead connector with crimp/solder attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR, PE-C100 and PE-B100 (.480 inch D hole) is part of our full line of RF components available for same-day shipping. The female reverse polarity configuration uses a female connector body with a male inner contact pin. Our TNC female connector operates up to a maximum frequency of 3 GHz. 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 reverse polarity TNC female bulkhead connector PE4700 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		3	GHz
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 1					GHz
VSWR, Max	1.6:1					

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP TNC Female Bulkhead Connector Crimp/Solder Attachment For RG316, RG174, RG188, .480 inch D Hole PE4700](#)



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Mechanical Specifications

Size	
Length	1.422 in [36.12 mm]
Width/Dia.	0.689 in [17.50 mm]
Weight	0.046 lbs [20.87 g]

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:

RP TNC Female Bulkhead Connector Crimp/Solder Attachment For RG316, RG174, RG188, .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.

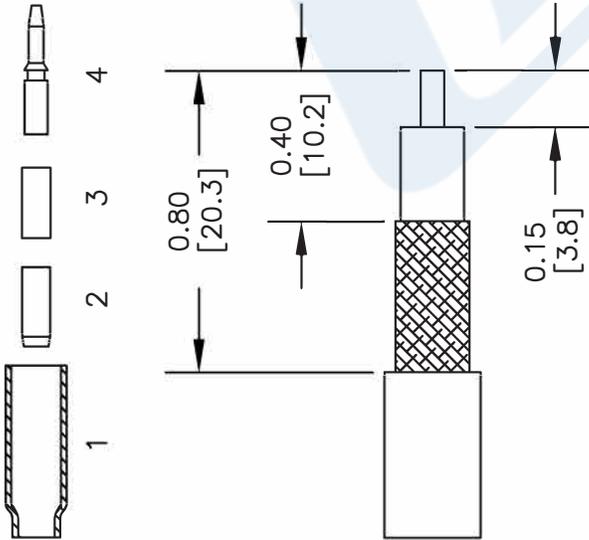
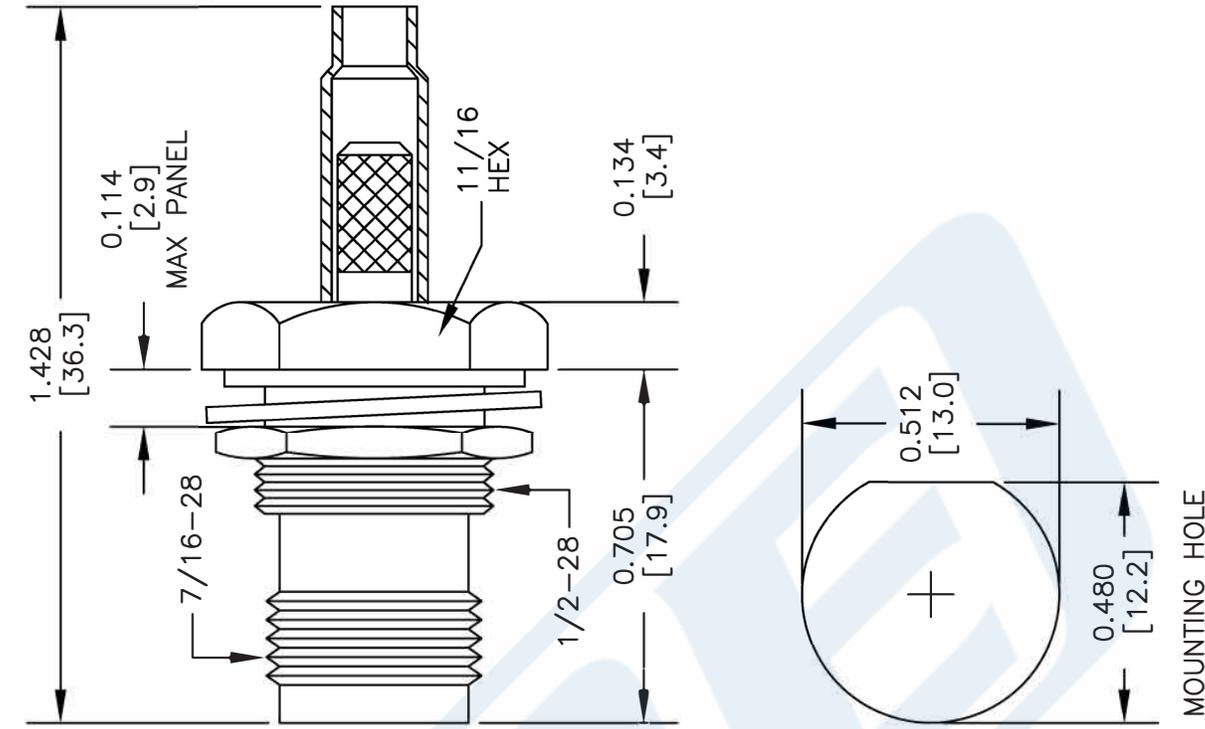
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URL: <https://www.pasternack.com/tnc-female-reverse-polarity-rg316-rg174-rg188-connector-pe4700-p.aspx>

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.

PE4700 CAD Drawing

RP TNC Female Bulkhead Connector Crimp/Solder Attachment
For RG316, RG174, RG188, .480 inch D Hole



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE (1) ONTO CABLE.
2. FLARE END OF CABLE BRAID & SLIDE METAL SPACER (2) & PTFE (3) SPACER OVER CABLE DIELECTRIC.
3. THE CONTACT (4) SHOULD BUTT AGAINST THE DIELECTRIC & PTFE SPACER. CRIMP CONTACT TO CABLE CENTER CONDUCTOR.
4. INSTALL CABLE ASSEMBLY INTO BODY SO THAT THE INNER FERRULE PORTION OF BODY SLIDES UNDER BRAID. PUSH CABLE ASSEMBLY FORWARD UNTIL CONTACT IS IN THE RIGHT PLACE. SLIDE FERRULE OVER BRAID AND UP AGAINST CONNECTOR BODY & CRIMP.

CRIMP SIZE REQUIRED

CONTACT: .071" HEX CRIMP TOOL
FERRULE: .146" HEX CRIMP TOOL
.185" HEX CRIMP TOOL



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DWG TITLE

PE4700

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. B

FSCM NO. 53919

CAD FILE 082712

SCALE N/A

SIZE A

2233