



## TNC Male Connector Clamp/Solder Attachment for PE-P160LL

### RF Connectors Technical Data Sheet

PE45443

#### Configuration

- TNC Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-P160LL

#### Features

- Max. Operating Frequency 18 GHz
- Excellent VSWR of 1.16:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to ASTM-B488

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE45443 TNC male connector with clamp/solder attachment for PE-P160LL is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.16:1.

Our TNC male connector PE45443 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		18	GHz
VSWR			1.16:1	
Dielectric Withstanding Voltage (AC)			1,500	Vrms

Electrical Specification Notes:  
Insertion Loss is  $0.04 \cdot \text{SQRT}(\text{Freq GHz})$

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment for PE-P160LL PE45443](#)



TNC Male Connector Clamp/Solder Attachment for PE-P160LL

RF Connectors  
Technical Data Sheet

PE45443

**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold ASTM-B488
Insulation	PTFE	
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	
Gasket	Silicone Rubber	
Crimp Sleeve	Brass	Gold ASTM-B488
O-Ring	Silicone Rubber	

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment for PE-P160LL PE45443](#)



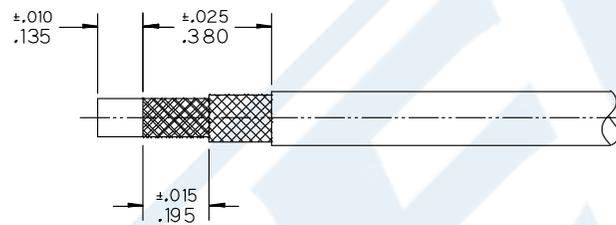
## TNC Male Connector Clamp/Solder Attachment for PE-P160LL

### RF Connectors Technical Data Sheet

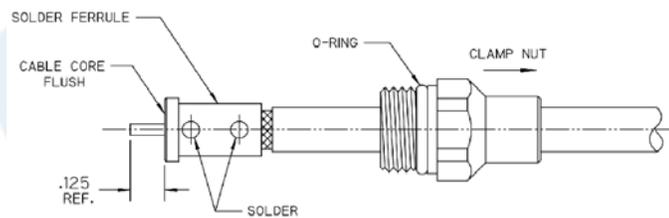
PE45443

#### Assembly Instruction

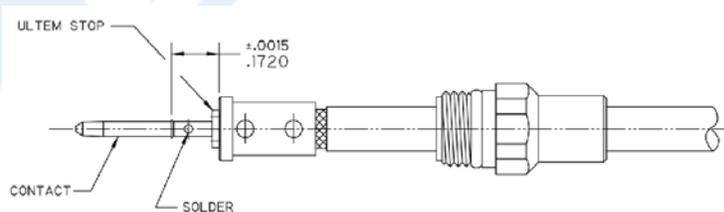
1. TRIM CABLE TO EXPOSE DIELECTRIC AND BRAIDS AS SHOWN.



2.
  - A. INSTALL O-RING ONTO CLAMP NUT WHERE SHOWN AND SLIDE CLAMP NUT OVER CABLE IN ORIENTATION SHOWN.
  - B. INSERT CABLE INTO SOLDER FERRULE UNTIL INNER BRAID SEATS THEN SOLDER BRAIDS TO FERRULE WHERE SHOWN.
  - C. TRIM CABLE DIELECTRIC FLUSH WITH FACE OF SOLDER FERRULE.



3.
  - A. SLIDE ULTEM DIELECTRIC STOP OVER CABLE CENTER CONDUCTOR AGAINST SOLDER FERRULE AS SHOWN.
  - B. SOLDER CONTACT FLUSH AGAINST STOP TO DIMENSION SHOWN.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment for PE-P160LL PE45443](#)

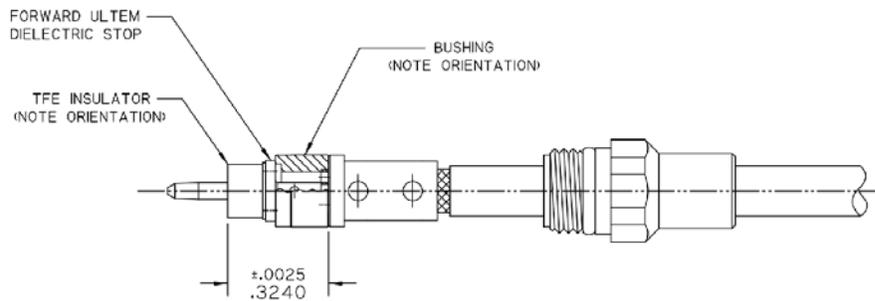


TNC Male Connector Clamp/Solder Attachment for PE-P160LL

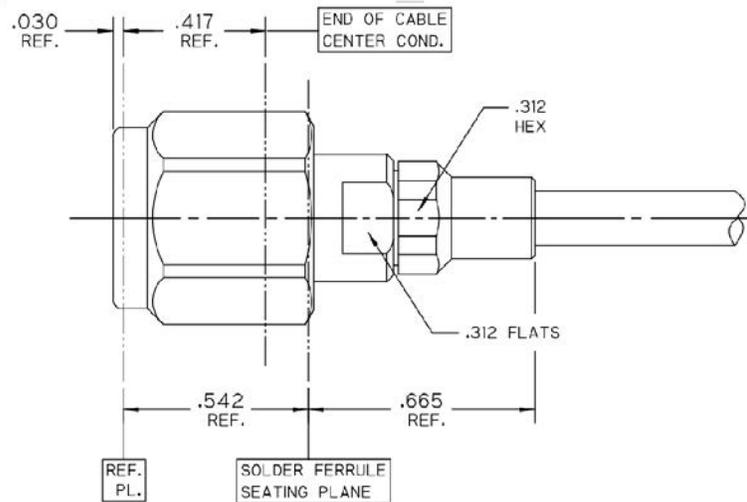
RF Connectors  
Technical Data Sheet

PE45443

- SLIDE BUSHING, FORWARD ULTEM STOP & FORWARD TEFLON INSULATOR OVER CONTACT AS SHOWN.  
(NOTE: ORIENT BUSHING WITH SMALLER DIAMETER C'BORE TOWARD SOLDER FERRULE. ORIENT FORWARD TFE INSULATOR WITH SHOULDER TOWARD STOP).



- INSERT CABLE/CONTACT SUB-ASSEMBLY INTO CONNECTOR UNTIL SEATED AND TIGHTEN CLAMP NUT TO 35-45 IN-LBS.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment for PE-P160LL PE45443](#)



## TNC Male Connector Clamp/Solder Attachment for PE-P160LL

### RF Connectors Technical Data Sheet

PE45443

TNC Male Connector Clamp/Solder Attachment for PE-P160LL 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.

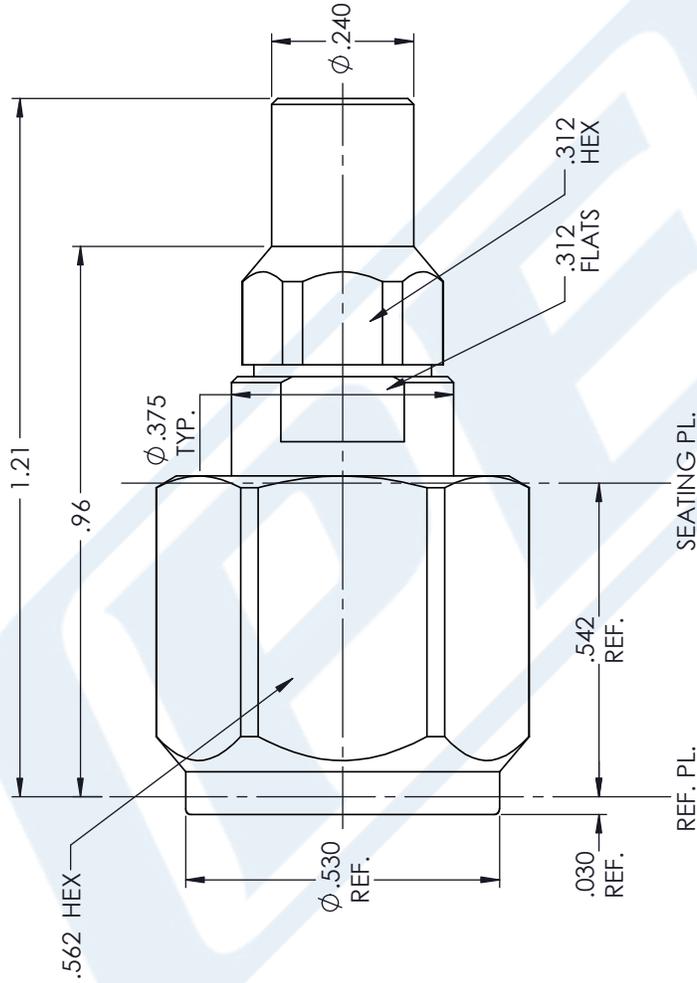
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment for PE-P160LL PE45443](https://www.pasternack.com/tnc-male-pe-p160ll-connector-pe45443-p.aspx)

URL: <https://www.pasternack.com/tnc-male-pe-p160ll-connector-pe45443-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.

# PE45443 CAD Drawing

TNC Male Connector Clamp/Solder Attachment for PE-P160LL



### STANDARD TOLERANCES

- .X ±0.2
- .XX ±0.01
- .XXX ±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



Pasternack Enterprises, Inc.  
 P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** www.pasternack.com | **E-Mail:** sales@pasternack.com

DWG TITLE

PE45443

CAGE CODE 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].

CAD FILE 01/11/18

SCALE N/A

SIZE A

GF0006