



## TNC Male Precision Connector Clamp/ Solder Attachment for PE-P300LL

### RF Connectors Technical Data Sheet

**PE44810**

#### Configuration

- TNC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-P300LL Interface Type
- Clamp/Solder Attachment
- 9/16 inch Hex
- Precision Design

#### Features

- Max. Operating Frequency 18 GHz
- Excellent VSWR of 1.16:1
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

#### Applications

- General Purpose Test
- Precision Test & Measurement
- Custom Cable Assemblies

#### Description

Pasternack's PE44810 TNC male precision connector with clamp/solder attachment for PE-P300LL 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 PE44810 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	

##### Electrical Specification Notes:

Insertion loss:  $0.04 \times \sqrt{f(\text{GHz})}$  dB max.

RF leakage: 90 dB min up to 1 GHz.

#### Mechanical Specifications

##### Size

Length	1.65 in [41.91 mm]
Width/Dia.	0.625 in [15.88 mm]
Weight	0.077 lbs [34.93 g]
Mating Cycles	500 Cycles
Mating Torque	19 to 21 in-lbs [2.15 to 2.37 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Precision Connector Clamp/Solder Attachment for PE-P300LL PE44810](#)



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#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE	
Body	Passivated Stainless Steel	SAE-AMS-2700
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2700

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

Humidity

MIL-STD-202, Method 106, No Vibration

Shock

MIL-STD-202, Method 213, Condition I

Vibration

MIL-STD-202, Method 204, Condition D

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B (5%)

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

#### Plotted and Other Data

Notes:

TNC Male Precision Connector Clamp/Solder Attachment for PE-P300LL 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.

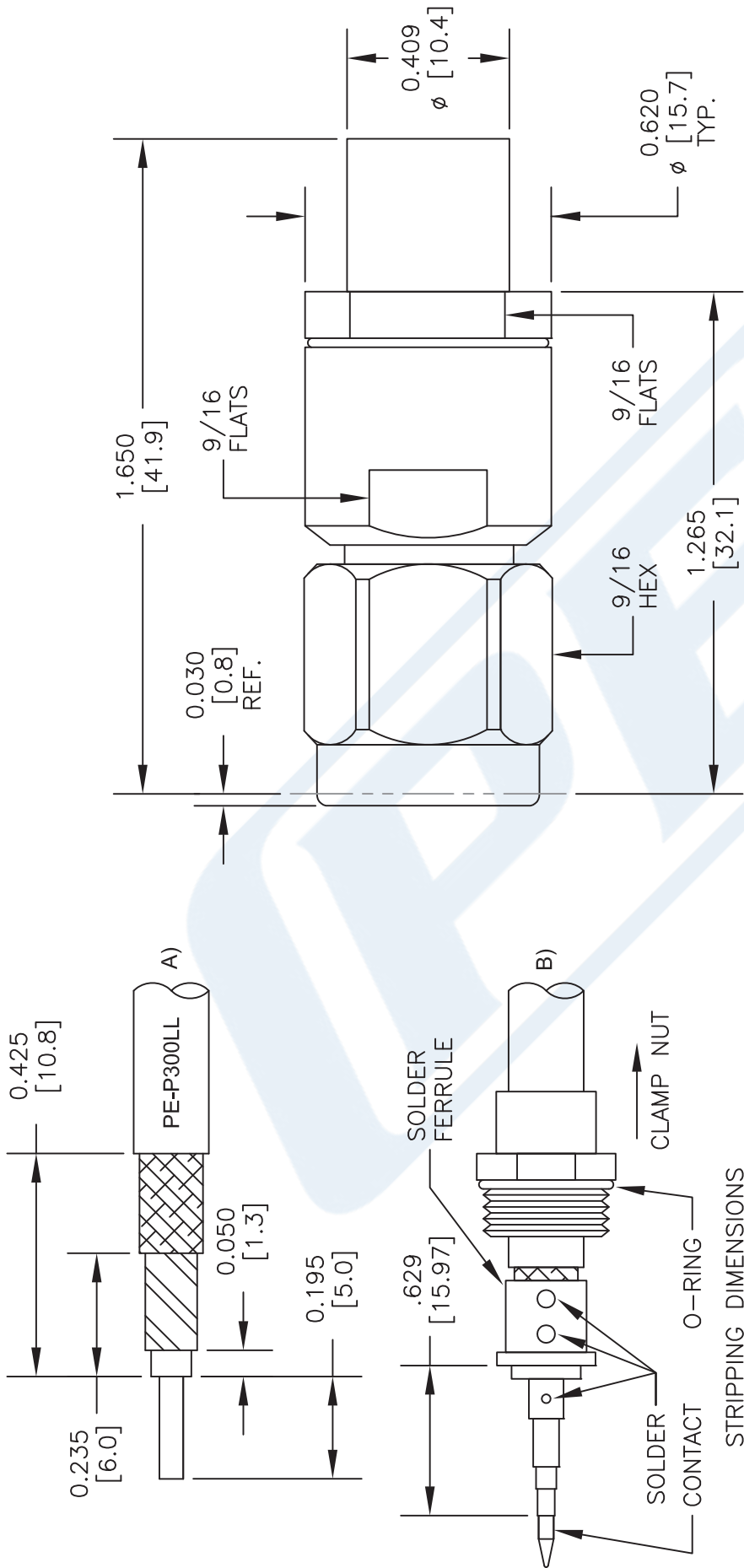
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URL: <https://www.pasternack.com/tnc-male-pe-p300ll-connector-pe44810-p.aspx>

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.

# PE44810 CAD Drawing

TNC Male Precision Connector Clamp/Solder Attachment for PE-P300LL



DWG TITLE

PE44810

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.

CAGE CODE 53919

CAD FILE 091616

SCALE N/A

SIZE A

2233

**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE

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