



## TNC Female Bulkhead Mount Precision Connector Clamp/Solder Attachment for PE-P142LL

### RF Connectors Technical Data Sheet

PE44811

#### Configuration

- TNC Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-P142LL Interface Type
- Clamp/Solder Attachment
- Bulkhead
- Precision Design

#### Features

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

#### Applications

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

#### Description

Pasternack's PE44811 TNC female bulkhead precision connector with clamp/solder attachment for PE-P142LL is part of our full line of RF components available for same-day shipping. Our TNC female connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.16:1. 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 TNC female bulkhead connector PE44811 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	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
High Potential Voltage 5 to 7.5 MHz			1,000	Vrms
Corona Discharge at 70,000 ft			375	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage	90			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead Mount Precision Connector Clamp/Solder Attachment for PE-P142LL PE44811](#)



## TNC Female Bulkhead Mount Precision Connector Clamp/Solder Attachment for PE-P142LL

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#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 12.4	12.4 to 18				GHz
VSWR, Max	1.14:1	1.16:1				

Electrical Specification Notes:  
Insertion loss:  $0.05 \times \sqrt{f(\text{GHz})}$  dB max.

#### Mechanical Specifications

##### Size

Length	1.36 in [34.54 mm]
Width/Dia.	0.625 in [15.88 mm]
Weight	0.036 lbs [16.33 g]

#### Material Specifications

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

#### Environmental Specifications

##### Temperature

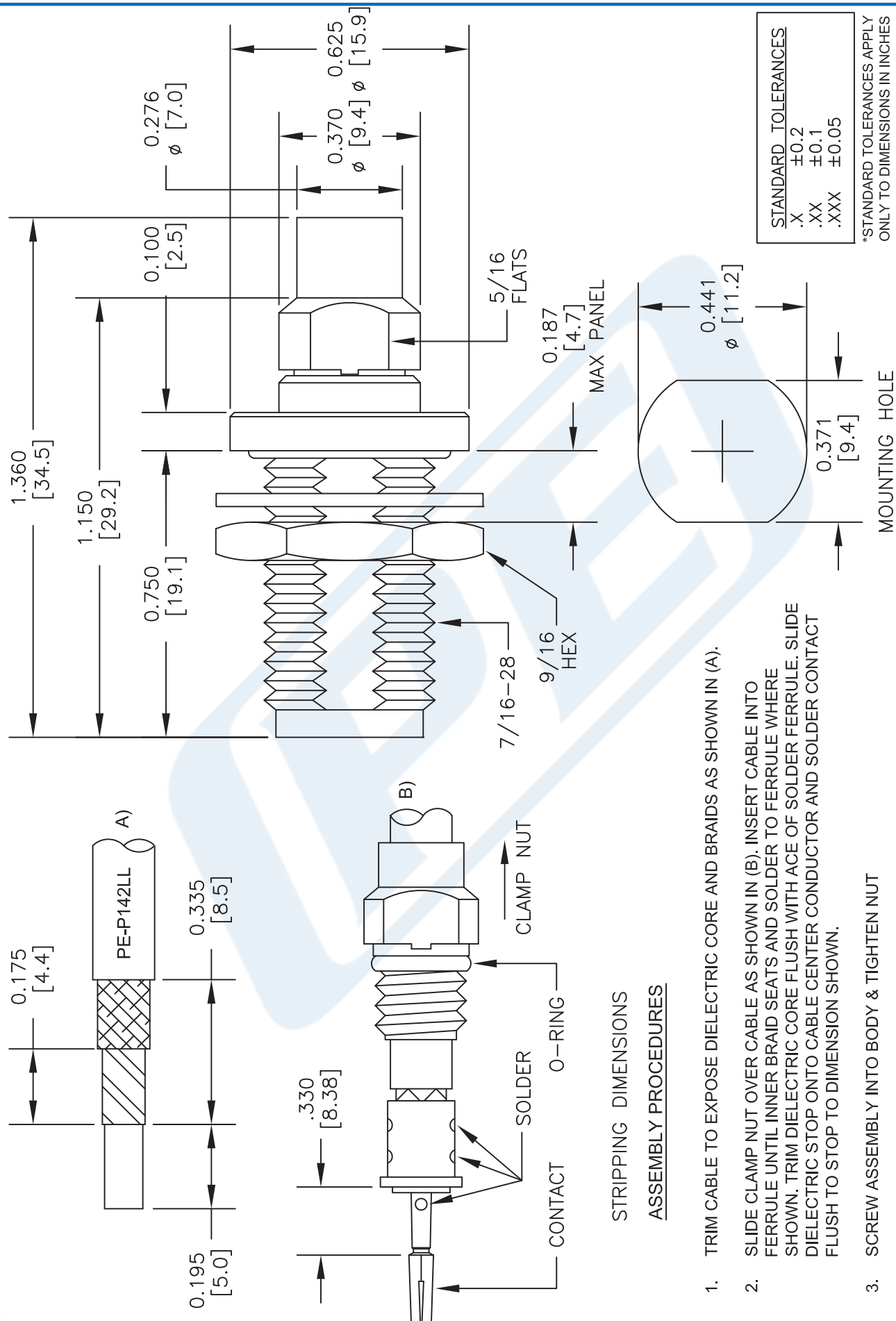
Operating Range	-65 to +165 deg C
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead Mount Precision Connector Clamp/Solder Attachment for PE-P142LL PE44811](#)



# PE44811 CAD Drawing

TNC Female Bulkhead Mount Precision Connector Clamp/  
Solder Attachment for PE-P142LL



DWG TITLE

PE44811

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].

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CAD FILE 102016

SCALE N/A

SIZE A

2233