



## N Female Bulkhead Mount Precision Connector Clamp/Solder Attachment for PE-P300LL

### RF Connectors Technical Data Sheet

PE44807

#### Configuration

- N Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-P300LL 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  $\mu$ in minimum contact plating

#### Applications

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

#### Description

Pasternack's PE44807 type N female bulkhead precision connector with clamp/solder attachment for PE-P300LL is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.16:1. This type N 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 type N female bulkhead connector PE44807 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.

#### Mechanical Specifications

##### Size

Length	1.77 in [44.96 mm]
Width/Dia.	0.875 in [22.23 mm]
Weight	0.103 lbs [46.72 g]
Mating Cycles	500 Cycles
Mating Torque	20 to 25 in-lbs [2.26 to 2.83 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Mount Precision Connector Clamp/Solder Attachment for PE-P300LL PE44807](#)



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**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PEI	
Outer Conductor	Passivated Stainless Steel	SAE-AMS-2700
Body	Passivated Stainless Steel	SAE-AMS-2700
Washer	Passivated Stainless Steel	
O-Ring	Silicone	

**Environmental Specifications**

**Temperature**

Operating Range

Humidity

Shock

Vibration

Thermal Shock

Salt Spray

-65 to +150 deg C

MIL-STD-202, Method 106, No Vibration

MIL-STD-202, Method 213, Condition I

MIL-STD-202, Method 204, Condition D

MIL-STD-202, Method 107, Condition B

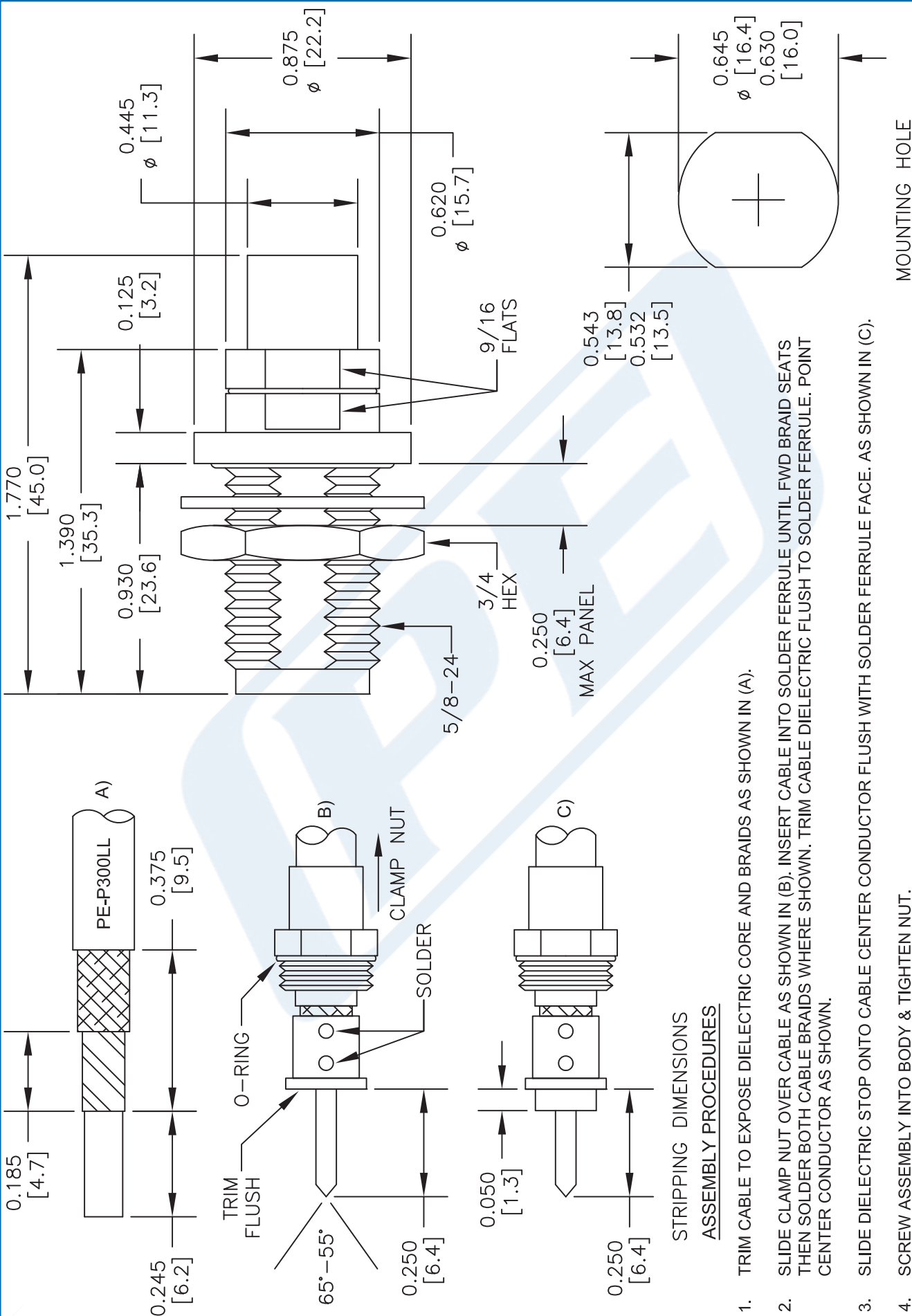
MIL-STD-202, Method 101, Condition B (5%)

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# PE44807 CAD Drawing

N Female Bulkhead Mount Precision Connector Clamp/Solder Attachment for PE-P300LL



DWG TITLE

PE44807

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.

FSCM NO. 53919

CAD FILE 042816

SCALE N/A

SIZE A

2233

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

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