



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

### RF Connectors Technical Data Sheet

PE45446

#### Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-P160LL Interface Type
- Clamp/Solder Attachment

#### 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 PE45446 type N male connector with clamp/solder attachment for PE-P160LL is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.16:1.

Our type N male connector PE45446 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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment for PE-P160LL PE45446](#)



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#### 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: [N Male Connector Clamp/Solder Attachment for PE-P160LL PE45446](#)



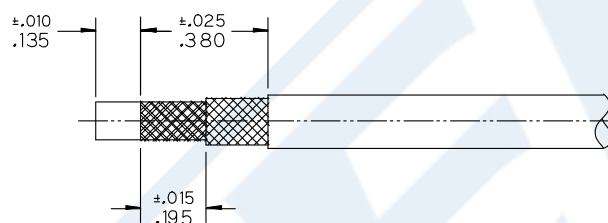
## N Male Connector Clamp/Solder Attachment for PE-P160LL

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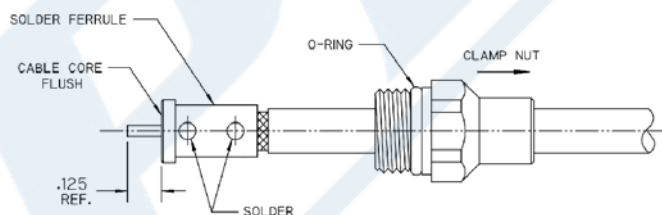
PE45446

#### Assembly Instruction

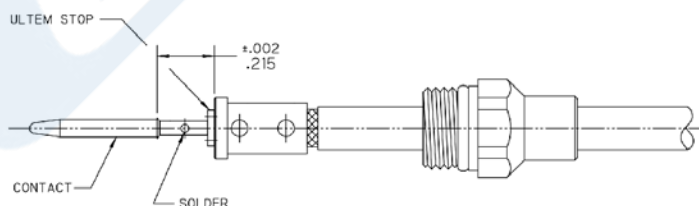
1. TRIM CABLE TO EXPOSE DIELECTRIC AND BRAIDS AS SHOWN.



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.



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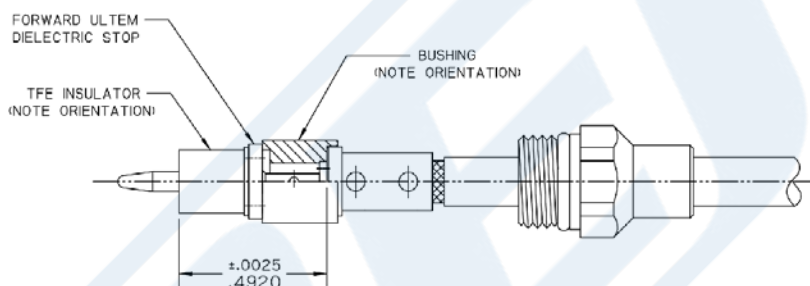


## N Male Connector Clamp/Solder Attachment for PE-P160LL

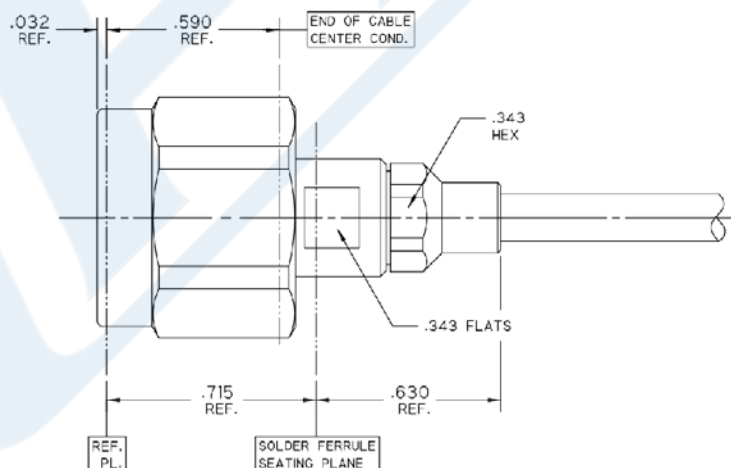
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4. SLIDE BUSHING, FORWARD ULTEM STOP & FORWARD TEFLON INSULATOR OVER CONTACT AS SHOWN.  
(NOTE: ORIENT BUSHING WITH LARGER DIAMETER C'BORE TOWARD SOLDER FERRULE. ORIENT FORWARD TFE INSULATOR WITH SHOULDER TOWARD STOP).



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



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N 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.

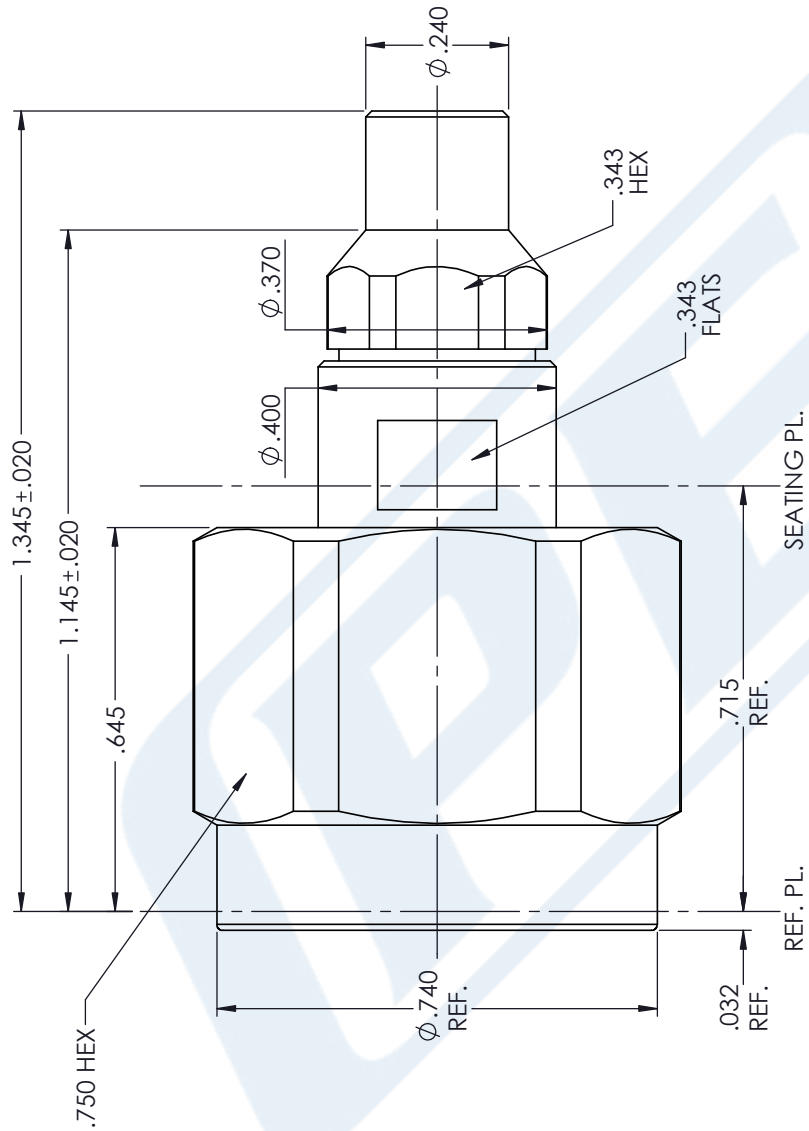
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment for PE-P160LL PE45446](https://www.pasternack.com/n-male-pe-p160ll-connector-pe45446-p.aspx)

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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.

PE45446 CAD Drawing

N 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



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

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DWG TITLE PE45446		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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