



High Performance TNC Male Solder /Clamp connectors for PE-P142LL Coax

RF Connectors Technical Data Sheet

PE44815

Configuration

- TNC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-P142LL Interface Type
- Clamp/Solder Attachment
- 9/16 Inch Hex
- Precision Design

Features

- Gold Platted Solder ferrules
- Stainless Steel Interface and connector Body
- Excellent VSWR to 18 Ghz
- Tuned specifically for use with 83% VoP Tape Style
- Low Loss Coax
- Compatible with Harbour LL142 Coax
- Easy to assemble multi Piece design

Description

Pasternack's solder/clamp connectors designed for use with our flexible PE-P142LL Low Loss coax offer excellent performance and durability. The multi piece design has been optimized for use with Low Loss tape wrapped coax having a 83% VoP. The stainless steel construction provides for over 500 mating cycles. These connectors are compatible with LL142 coax from Harbour Industries.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.16:1	
Insertion Loss			0.22	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.27 in [32.26 mm]
Width/Dia.	0.625 in [15.88 mm]
Weight	0.08 lbs [36.29 g]
Mating Torque	12 to 15 in-lbs [1.36 to 1.7 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-P142LL PE44815](#)



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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold ASTM-B488, 50μ in. minimum
Insulation	PEI	
Body	Passivated Stainless Steel	SAE-AMS-2701
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2701

Environmental Specifications

Temperature

Operating Range -65 to 165 deg C

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

REACH Compliant

01/01/1753

Plotted and Other Data

Notes:

High Performance TNC Male Solder /Clamp connectors for PE-P142LL Coax 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.

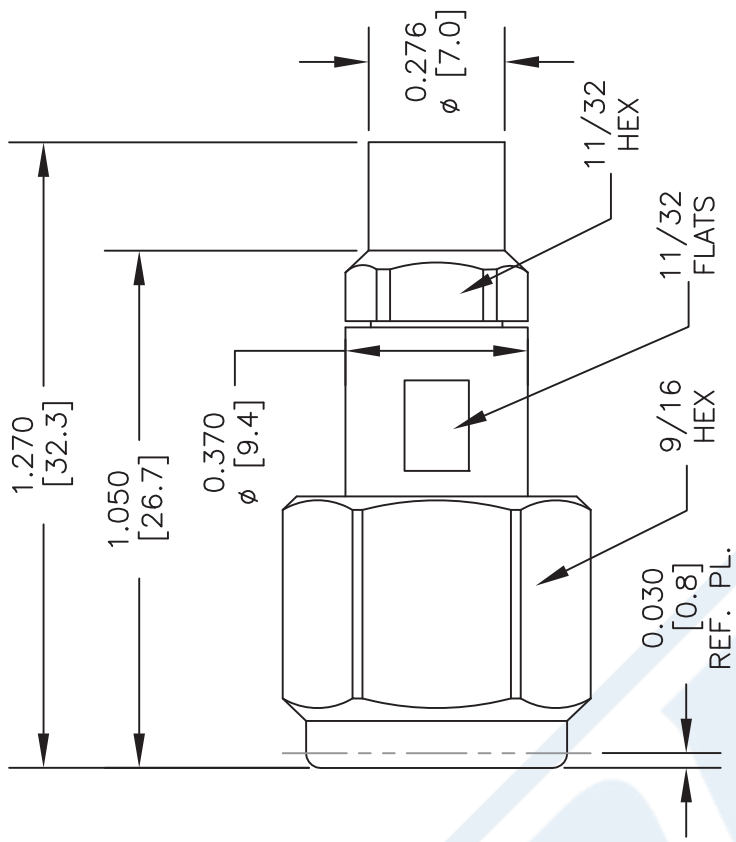
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Precision Connector Clamp/Solder Attachment for PE-P142LL PE44815](#)

URL: <http://www.pasternack.com/tnc-male-pe-p142ll-connector-pe44815-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.

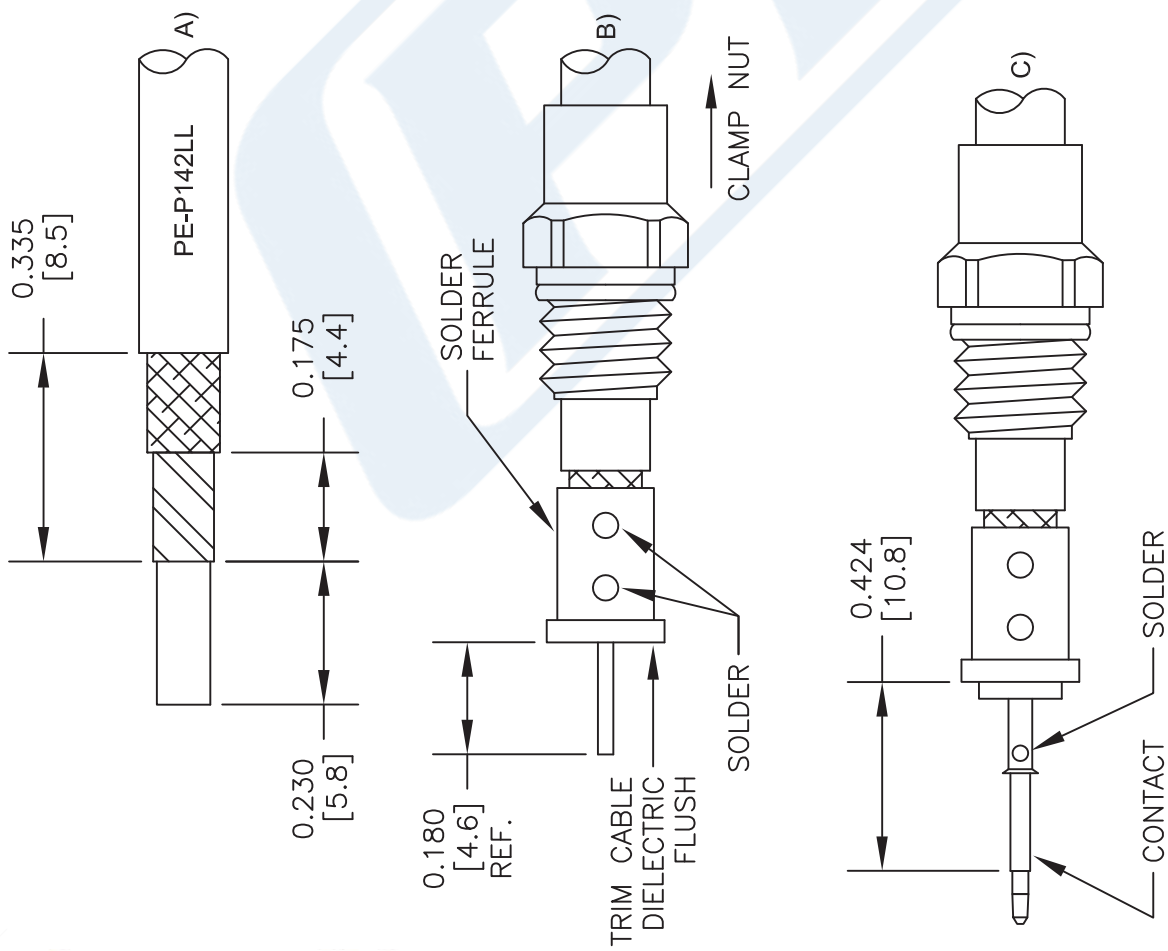
PE44815 CAD Drawing

High Performance TNC Male Solder /Clamp connectors for PE-P142LL Coax



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK DIELECTRIC.
2. SLIDE CLAMP NUT OVER CABLE AS SHOWN IN (B). INSERT CABLE INTO SOLDER FERRULE UNTIL FWD BRAID SEATS THEN SOLDER BOTH CABLE BRAIDS WHERE SHOWN. TRIM CABLE DIELECTRIC FLUSH TO SOLDER FERRULE.
3. SLIDE ULTEM DIELECTRIC STOP OVER CABLE CENTER CONDUCTOR AGAINST SOLDER FERRULE AS SHOWN IN (C). SOLDER CONTACT FLUSH AGAINST STOP TO DIMENSION SHOWN.
4. SCREW ASSEMBLY INTO BODY & TIGHTEN NUT.



STRIPPING DIMENSIONS



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DWG TITLE

PE44815

- 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 051013

SCALE N/A

SIZE A

2233