



## TNC Female Bulkhead Connector Clamp/Solder Attachment For PE-SR405AL, PE-SR405FL, RG405, .480 inch D Hole

### RF Connectors Technical Data Sheet

**PE4149**

#### Configuration

- TNC Female Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: PE-SR405AL, PE-SR405FL, RG405
- Bulkhead

#### Applications

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

#### Description

Pasternack's PE4149 TNC female bulkhead connector with clamp/solder attachment for PE-SR405AL, PE-SR405FL and RG405 (.480 inch D hole) is part of our full line of RF components available for same-day shipping. 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 PE4149 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.

#### Mechanical Specifications

Weight

0.055 lbs [24.95 g]

#### Material Specifications

Description	Material	Plating
Body	Brass	Nickel

#### Environmental Specifications

**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: [TNC Female Bulkhead Connector Clamp/Solder Attachment For PE-SR405AL, PE-SR405FL, RG405, .480 inch D Hole PE4149](#)



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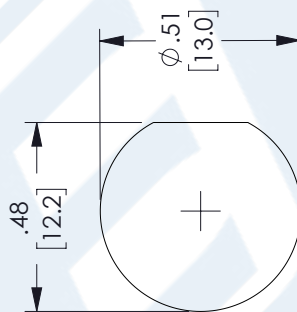
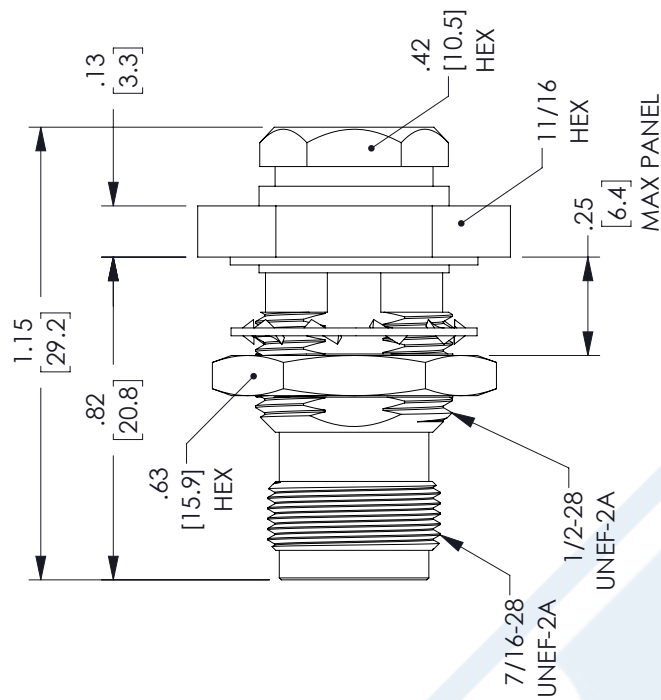
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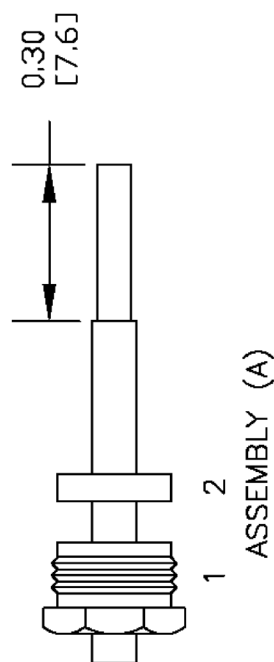
# PE4149 CAD Drawing

TNC Female Bulkhead Connector Clamp/Solder Attachment For  
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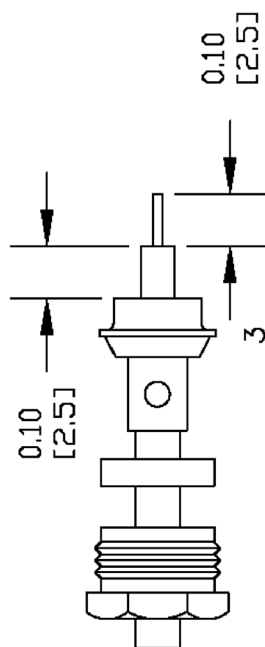
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE4439 20220809	08/12/2022	RBAGHERZADEH



MOUNTING HOLE



ASSEMBLY (A)



ASSEMBLY (B)

STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (4) OVER CABLE UNTIL ADAPTER (4) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (4) TO OUTER CONDUCTOR USING MINIMUM HEAT.
3. STRIP CABLE AS SHOWN IN ASSEMBLY (B). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X = ± .2 [5.08] FRACTIONS  
.XX = ± .02 [ .51] ± 1/32  
.XXX = ± .005 [ .13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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DESIGN IN THIS DOCUMENT  
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SHEET 1 OF 1

SCALE N/A

REV B

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Website: www.pasternack.com  
E-mail: sales@pasternack.com

SIZE A 53919 DRAWN BY DMAY ITEM NO. PE4149



**TNC Female Bulkhead Connector Clamp/Solder Attachment**  
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**Technical Data Sheet**

**PE4149**

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Body	Brass	Nickel

**Environmental Specifications**

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

**Plotted and Other Data**

Notes:

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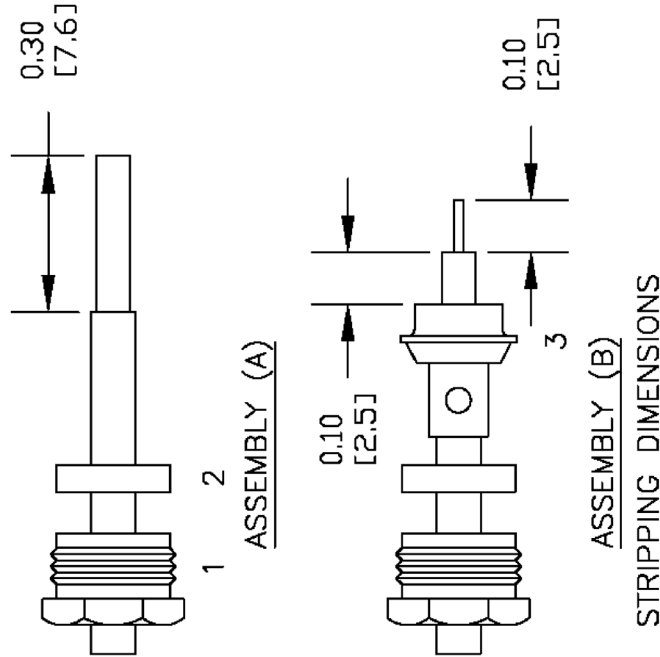
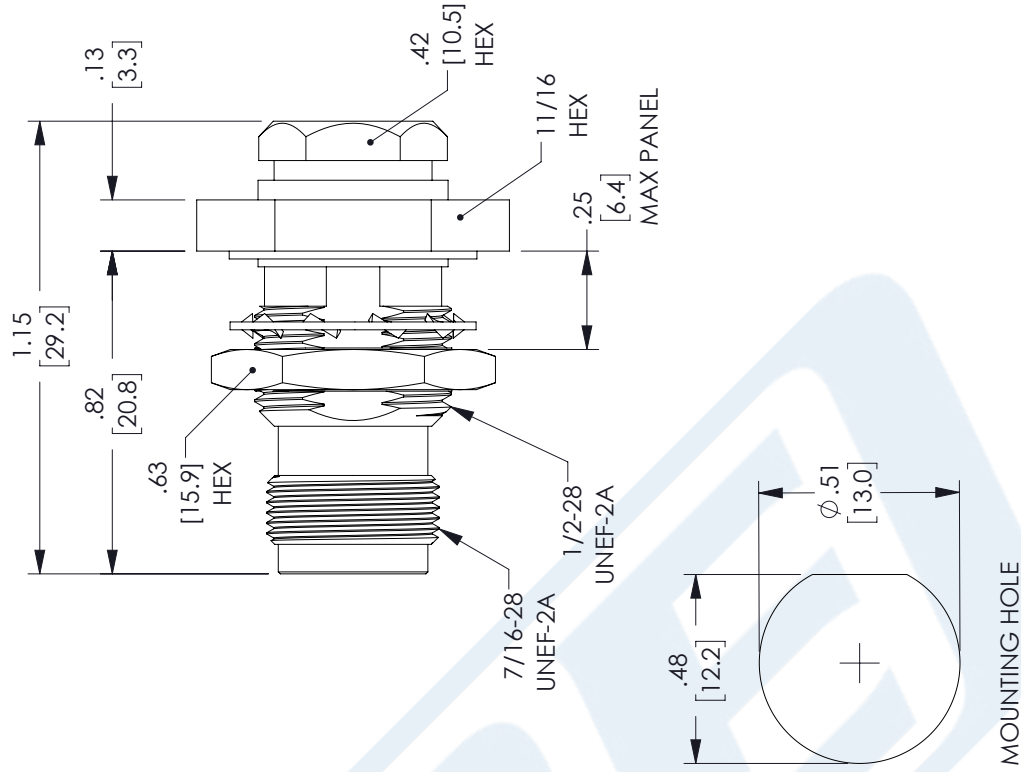
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REVISIONS			
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SHEET 1 OF 1	SCALE N/A
SIZE A	CAGE CODE 53919
DRAWN BY DMAY	ITEM NO. PE4149
REV B	

## RG405 Tinned Coax Cable with Tinned Copper Outer Conductor in Coiled Sections



### PE-SR405TN

#### Configuration

- Semi-Rigid Cable
- MIL-C-17
- 1 Shield(s)

#### Features

- Cable Packaged in Coiled Sections

#### Applications

- General Purpose Test

#### Description

PE-SR405TN part number from Pasternack is a RG405 Tinned coax cable that is semi-rigid. Pasternack RG405 Tinned semi-rigid coax cable is 50 Ohm and has a PTFE dielectric. RG405 Tinned coax has a shield count of 1 and the maximum frequency for this Pasternack cable is 40 GHz. RG405 Tinned coax cable has an attenuation at 1 GHz of 22 dB.

Pasternack RG405 Tinned coax cables are part of over 40,000 RF, microwave and millimeter wave components. RG405 Tinned cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using RG405 Tinned or other coax can be built and shipped same day as well.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Typ	22	80	120			dB/100ft
	72.18	262.47	393.7			dB/100m
Input Power (CW), Max	130	35	20			Watts

#### Mechanical Specifications

Weight	0.013 lbs/ft [0.02 kg/m]
Min. Bend Radius (Installation)	0.05 in [1.27 mm]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strand	0.02 in [0.51 mm]
Conductor Type	Solid	



## RG405 Tinned Coax Cable with Tinned Copper Outer Conductor in Coiled Sections



### PE-SR405TN

#### Construction Specifications

Description	Material and Plating	Diameter
Dielectric	PTFE	0.066 in [1.68 mm]
Outer Conductor	Tinned Copper	0.086 in [2.18 mm]

#### Environmental Specifications

##### Temperature

Operating Range -55 to +125 deg C

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

#### Plotted and Other Data

Notes:

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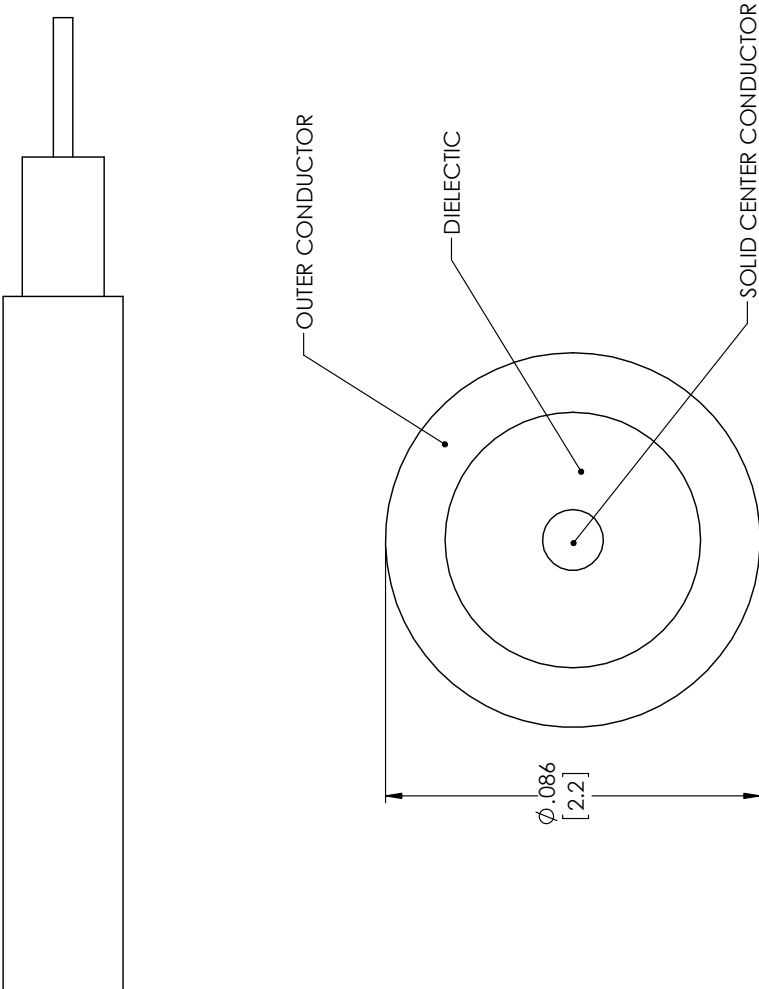
URL: <https://www.pasternack.com/50-ohm-semi-rigid-rg405-tinned-tinned-copper-pe-sr405tn-p.aspx>

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# PE-SR405TN CAD Drawing

## RG405 Tinned Coax Cable with Tinned Copper Outer Conductor in Coiled Sections



STANDARD TOLERANCES
.X ±0.2
.XX ±0.01
.XXX ±0.005

**\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES**

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

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**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** [www.pasternack.com](http://www.pasternack.com) | **E-Mail:** [sales@pasternack.com](mailto:sales@pasternack.com)

**DWG TITLE**

PE-SR405TN

CAGE CODE 53919

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].

**CAD FILE** 11/28/17

SCALE N/A

CN2245