



TNC Male Connector Clamp/Solder Attachment  
For PE-SR402AL, PE-SR402FL, RG402

TECHNICAL DATA SHEET

PE4143

**Configuration**

|  |                               |
|--|-------------------------------|
| Connector                                | TNC Male                      |
| Connector Interface Type                 | PE-SR402AL, PE-SR402FL, RG402 |
| Cable Attachment Method (Shield/Contact) | Clamp/Solder                  |
| Body Style                               | Straight                      |

**Electrical Specifications**

|                 |    |
|-----------------|----|
| Impedance, Ohms | 50 |
|-----------------|----|

**Mechanical Specifications**

**Size**

|                 |               |
|-----------------|---------------|
| Weight, lbs [g] | 0.055 [24.95] |
|-----------------|---------------|

**Connector**

|                           |               |
|---------------------------|---------------|
| Type                      | TNC Male      |
| Body Material and Plating | Brass, Nickel |

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

**Plotted and Other Data**

|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

TNC Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

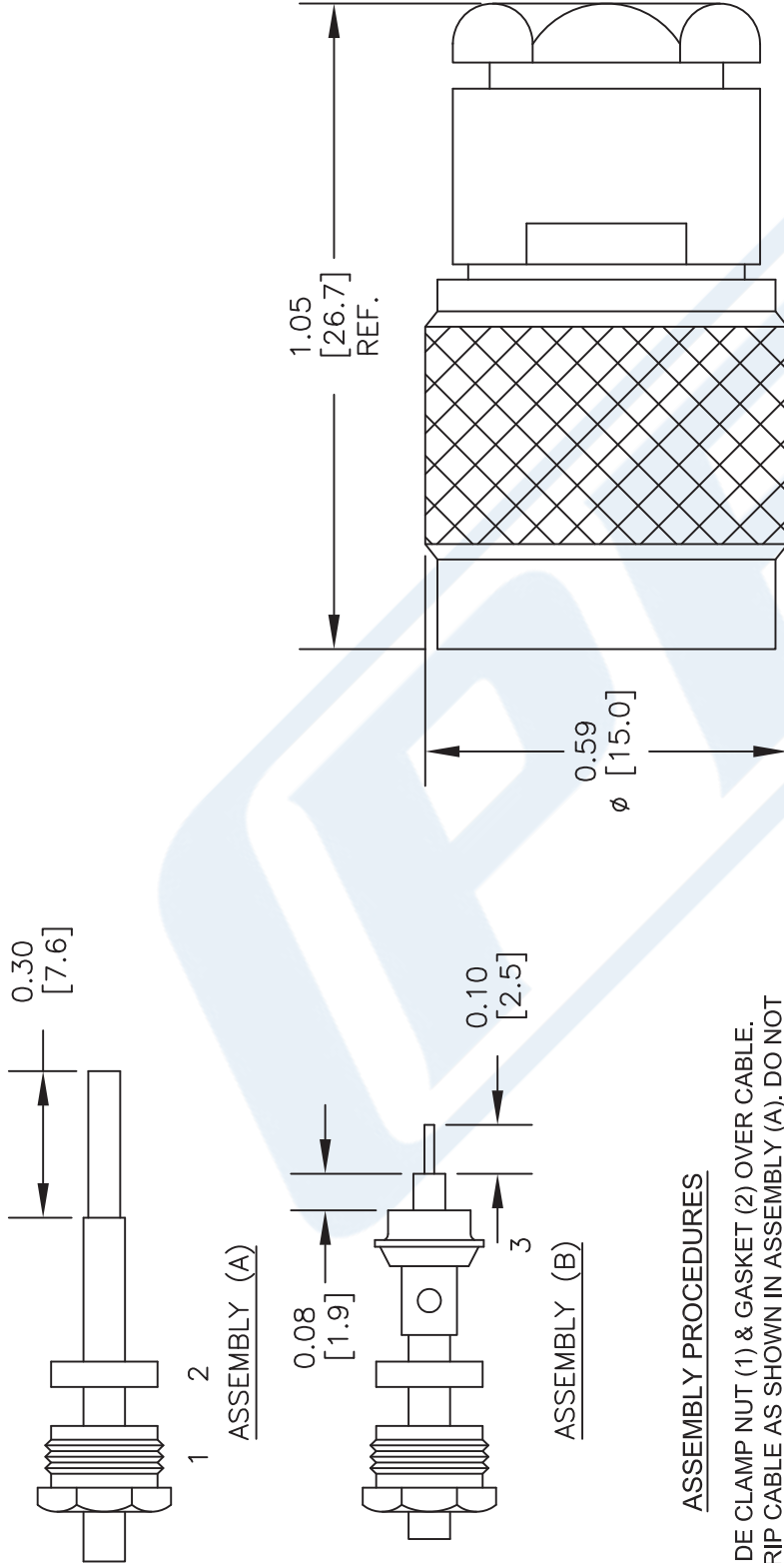
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 PE4143](http://www.pasternack.com/tnc-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4143-p.aspx)

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# PE4143 CAD Drawing

TNC Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402



## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (3) OVER CABLE UNTIL ADAPTER (3) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (3) 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.

DWG TITLE

**PE4143**

NOTES:  
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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 042309

SCALE N/A

SIZE A

147

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

Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
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)



## TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, RG402, .480 inch D Hole

### RF Connectors Technical Data Sheet

**PE4148**

#### Configuration

- TNC Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, RG402 Interface Type
- Solder/Solder Attachment
- Bulkhead

#### Features

- Gold Plated Contact
- Contact plating according to MIL-G-45204

#### Applications

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

#### Description

Pasternack's PE4148 TNC female bulkhead connector with solder/solder attachment for PE-SR402AL, PE-SR402FL and RG402 (.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 PE4148 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

##### Size

|            |                     |
|------------|---------------------|
| Length     | 1.18 in [29.97 mm]  |
| Width/Dia. | 0.75 in [19.05 mm]  |
| Weight     | 0.055 lbs [24.95 g] |

#### Material Specifications

| Description | Material                   | Plating             |
|-------------|----------------------------|---------------------|
| Contact     |                            | Gold<br>MIL-G-45204 |
| Insulation  | PTFE                       |                     |
| Body        | Passivated Stainless Steel | QQ-P-35             |

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 Connector Solder Attachment for PE-SR402AL, PE-SR402FL, RG402, .480 inch D Hole PE4148](#)



## TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, RG402, .480 inch D Hole

### RF Connectors Technical Data Sheet

PE4148

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

#### Plotted and Other Data

Notes:

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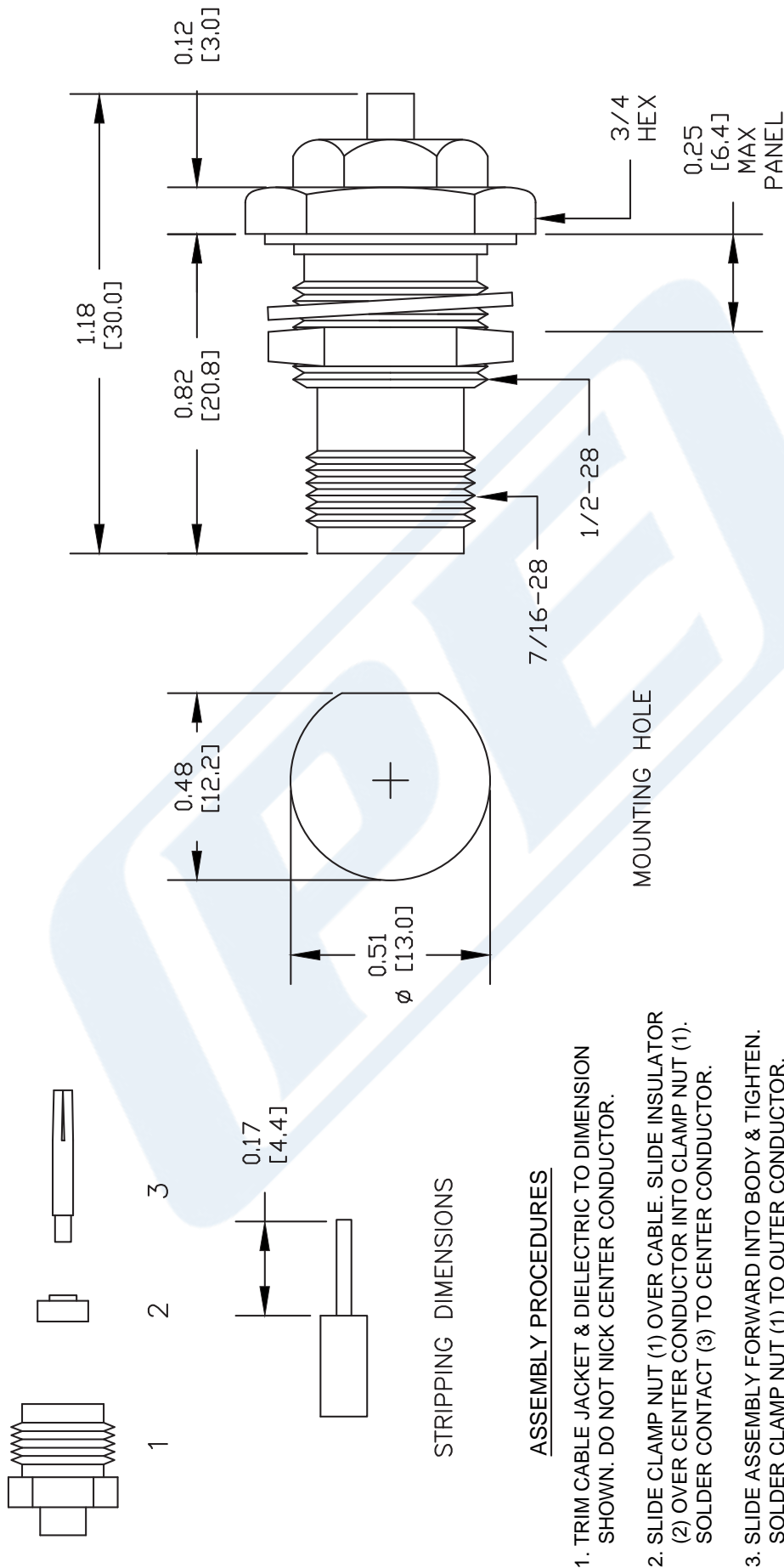
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URL: <https://www.pasternack.com/tnc-female-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4148-p.aspx>

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# PE4148 CAD Drawing

TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, RG402, .480 inch D Hole



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4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE

**PE4148**

REV. A

FSCM NO. 53919

CAD FILE 042210

SCALE N/A

SIZE A

147

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Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: www.pasternack.com | E-Mail: sales@pasternack.com

## 141 Semi-rigid Coax Cable with Tinned Aluminum

### TECHNICAL DATA SHEET

PE-SR402AL

#### 141 Semi-rigid Coax Cable with Tinned Aluminum

##### Configuration

|                                      |                           |
|--------------------------------------|---------------------------|
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Shield Materials                     | Tinned Aluminum           |

##### Electrical Specifications

|                                       |       |
|---------------------------------------|-------|
| Impedance, Ohms                       | 50    |
| Maximum Operating Frequency, GHz      | 36    |
| Dielectric Withstanding Voltage, Vrms | 5,000 |

##### Electrical Specifications by Frequency

###### Frequency 1

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 1000       |
| Attenuation, dB/100ft [dB/100m] | 13 [42.65] |
| Power Handling, Watts           | 450        |

###### Frequency 2

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 10          |
| Attenuation, dB/100ft [dB/100m] | 46 [150.92] |
| Power Handling, Watts           | 120         |

###### Frequency 3

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 20          |
| Attenuation, dB/100ft [dB/100m] | 71 [232.94] |
| Power Handling, Watts           | 70          |

##### Mechanical Specifications

###### Temperature

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -55 to +125 |
|------------------------|-------------|

###### Inner Conductor

|                   |                   |
|-------------------|-------------------|
| Number of Strands | 1                 |
| Material          | Copper Clad Steel |
| Plating           | Silver            |
| Diameter, in [mm] | 0.036 [0.91]      |

###### Dielectric:

|                   |           |
|-------------------|-----------|
| Type              | PTFE      |
| Diameter, in [mm] | 0.118 [3] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [141 Semi-rigid Coax Cable with Tinned Aluminum PE-SR402AL](#)

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## 141 Semi-rigid Coax Cable with Tinned Aluminum

## TECHNICAL DATA SHEET

PE-SR402AL

**Shield:**

|            |                 |
|------------|-----------------|
| Number of  | 1               |
| Material 1 | Tinned Aluminum |

**Jacket:**

|                                       |              |
|---------------------------------------|--------------|
| Diameter, in [mm]                     | 0.141 [3.58] |
| One Time Minimum Bend Radius, in [mm] | 0.1 [2.54]   |
| Weight, lbs/ft [Kg/m]                 | 0.02 [0.03]  |

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)**Plotted and Other Data**

|        |                            |
|--------|----------------------------|
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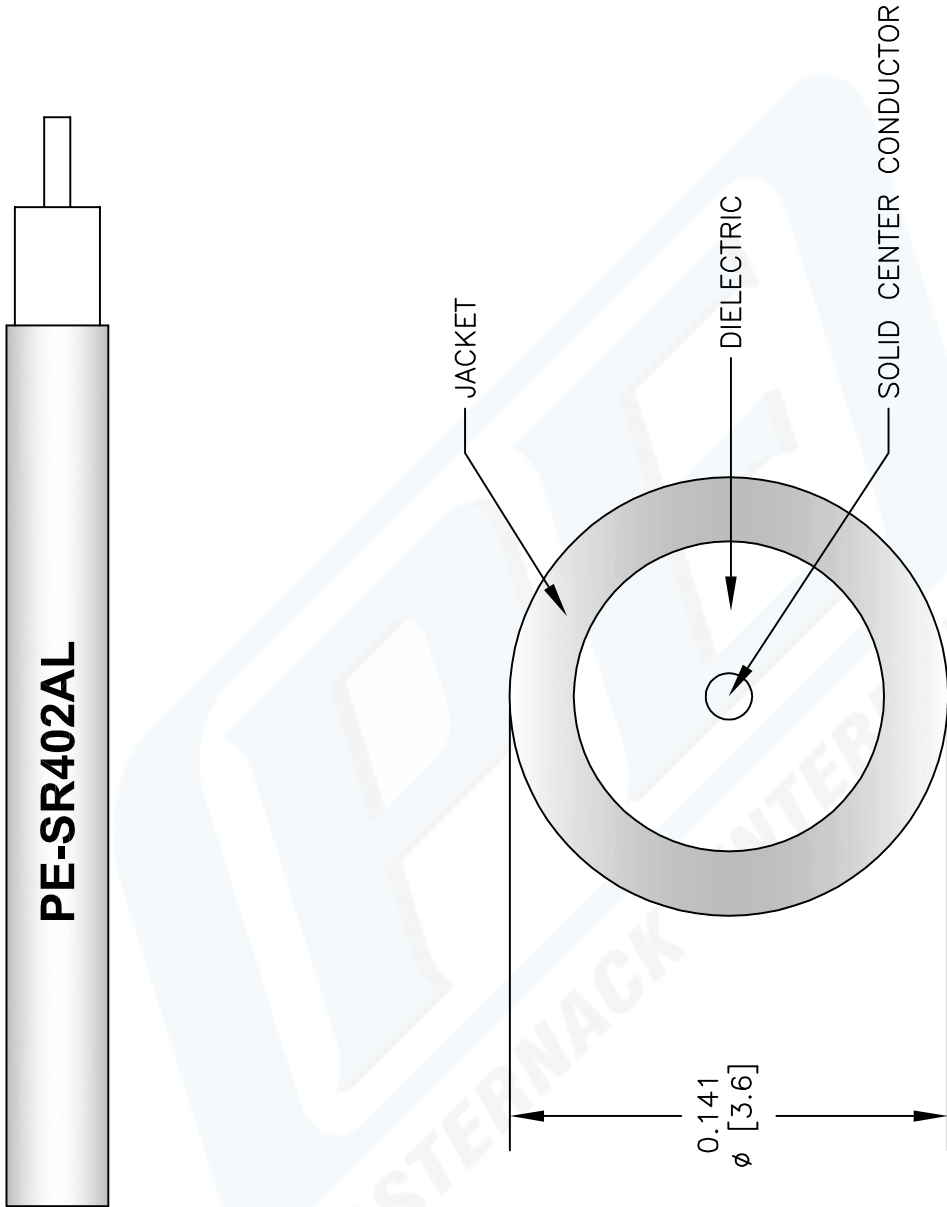
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URL: <http://www.pasternack.com/semirigid-0.141-50-ohm-coax-cable-tinned-aluminum-pe-sr402al-p.aspx>

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PE-SR402AL CAD Drawing  
141 Semi-rigid Coax Cable with Tinned Aluminum



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DWG TITLE  
**PE-SR402AL**

REV. A FSCM NO. 53919

147

SIZE A

SCALE N/A

CAD FILE 022808-A

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