



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.

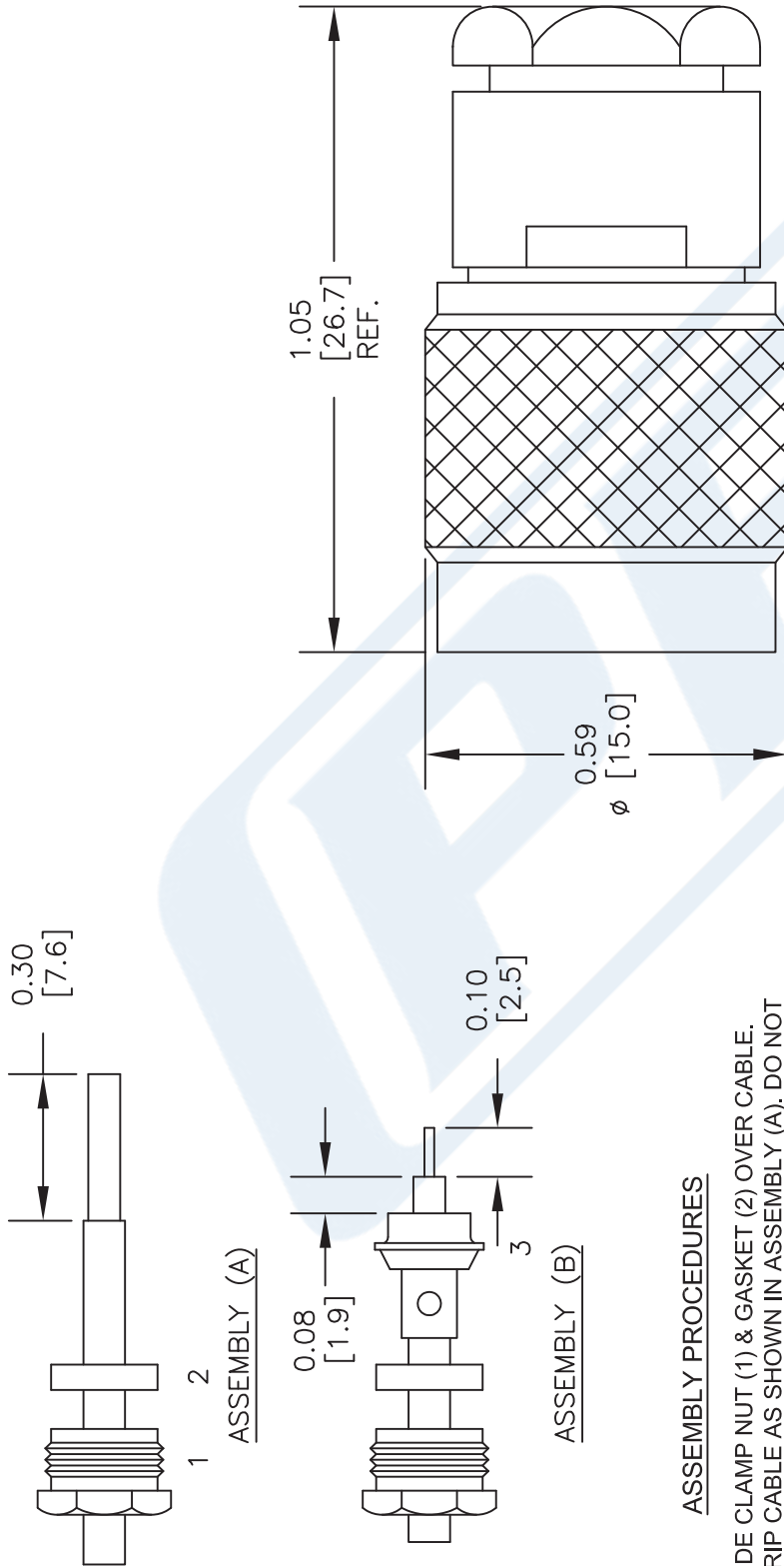
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 PE4143](http://www.pasternack.com/tnc-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4143-p.aspx)

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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:  
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 042309

SCALE N/A

SIZE A

147

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

Pasternack Enterprises, Inc.  
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## 3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

### RF Connectors Technical Data Sheet

PE45011

#### Configuration

- 3.5mm Female Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Clamp/Solder Attachment

#### Features

- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE45011 3.5mm female connector with clamp/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 is part of our full line of RF components available for same-day shipping.

Our 3.5mm female connector PE45011 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     | 0.862 in [21.89 mm] |
| Width/Dia. | 0.351 in [8.92 mm]  |
| Weight     | 0.012 lbs [5.44 g]  |

#### Material Specifications

| Description | Material                   | Plating                            |
|-------------|----------------------------|------------------------------------|
| Contact     | Beryllium Copper           | Gold over Nickel<br>50 µin minimum |
| Insulation  | PCTFE                      |                                    |
| Body        | Passivated Stainless Steel | SAE-AMS-2700                       |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE45011](#)



3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

## RF Connectors Technical Data Sheet

PE45011

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

### Plotted and Other Data

Notes:

3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 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.

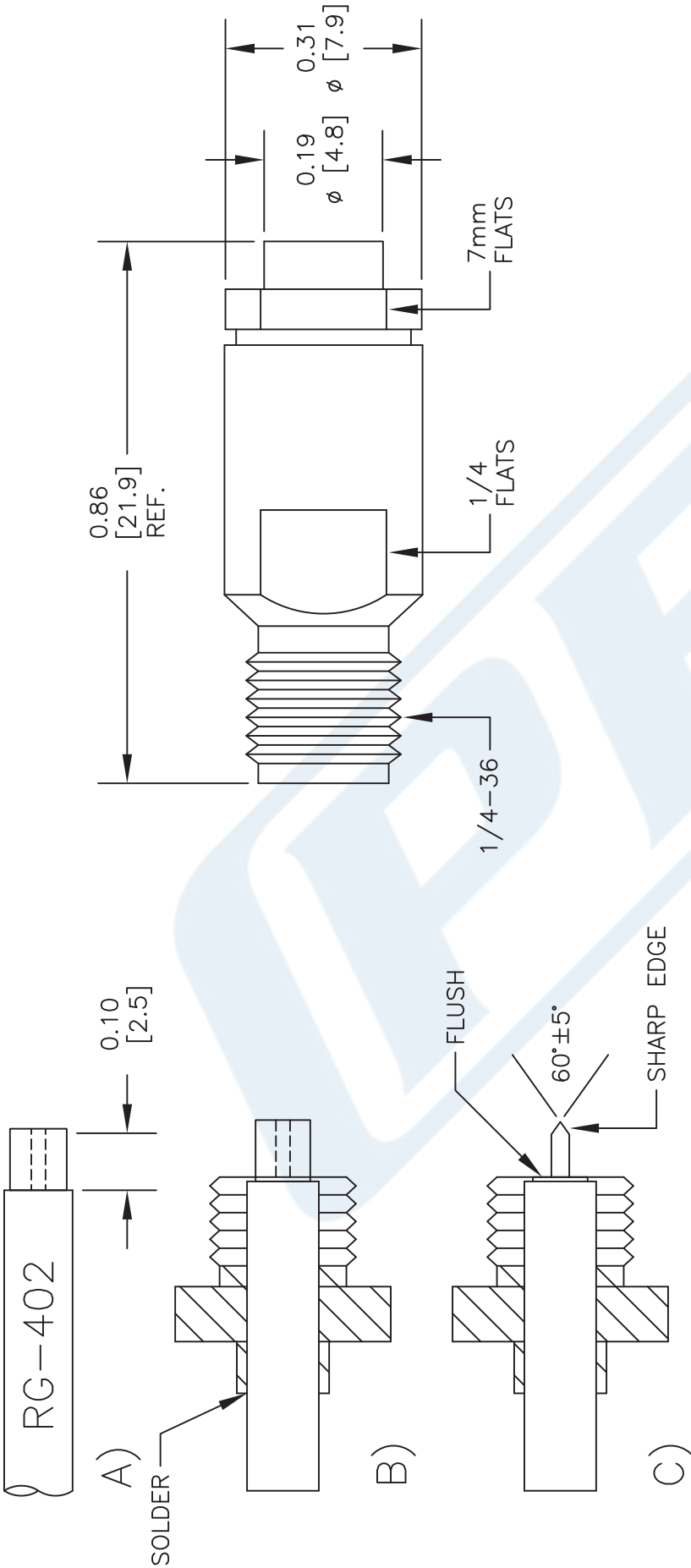
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URL: <https://www.pasternack.com/3.5mm-female-standard-rg402-u-pe-sr402fl-connector-pe45011-p.aspx>

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# PE45011 CAD Drawing

3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL,  
PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER DIELECTRIC.
2. INSERT CABLE THROUGH CLAMP NUT AS SHOWN IN (B). SOLDER OUTER CONDUCTOR TO CLAMP NUT.
3. TRIM CABLE DIELECTRIC FLUSH FACE OF CLAMP AS SHOWN IN (C). POINT CABLE CENTER CONDUCTOR AS SHOWN IN (C)
4. SCREW ASSEMBLY INTO BODY & TIGHTEN (25-30 IN-LBS).

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DWG TITLE

**PE45011**

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FSCM NO. 53919

CAD FILE 031414

SCALE N/A

SIZE A

150

## RG402 Coax Cable with Copper Outer Conductor

## TECHNICAL DATA SHEET

RG402/U

## RG402 Coax Cable with Copper Outer Conductor

**Configuration**

|                                      |                           |
|--------------------------------------|---------------------------|
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Shield Materials                     | Copper                    |
| Jacket Material and Color            | Tan                       |

**Electrical Specifications**

|                                       |             |
|---------------------------------------|-------------|
| Impedance, Ohms                       | 50          |
| Maximum Operating Frequency, GHz      | 36          |
| Capacitance, pF/ft [pF/m]             | 29.9 [98.1] |
| Dielectric Withstanding Voltage, Vrms | 5,000       |

**Electrical Specifications by Frequency****Frequency 1**

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 1000       |
| Attenuation, dB/100ft [dB/100m] | 12 [39.37] |
| Power Handling, Watts           | 450        |

**Frequency 2**

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 10          |
| Attenuation, dB/100ft [dB/100m] | 45 [147.64] |
| Power Handling, Watts           | 120         |

**Frequency 3**

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 20          |
| Attenuation, dB/100ft [dB/100m] | 70 [229.66] |
| 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] | 0.117 [2.97] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG402 Coax Cable with Copper Outer Conductor RG402/U](#)

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## RG402 Coax Cable with Copper Outer Conductor

## TECHNICAL DATA SHEET

RG402/U

**Shield:**

|                   |              |
|-------------------|--------------|
| Number of         | 1            |
| Material 1        | Copper       |
| Diameter, in [mm] | 0.141 [3.58] |

**Jacket:**

|                                       |              |
|---------------------------------------|--------------|
| Color                                 | Tan          |
| One Time Minimum Bend Radius, in [mm] | 0.15 [3.81]  |
| Weight, lbs/ft [Kg/m]                 | 0.034 [0.05] |

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

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
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**Plotted and Other Data**

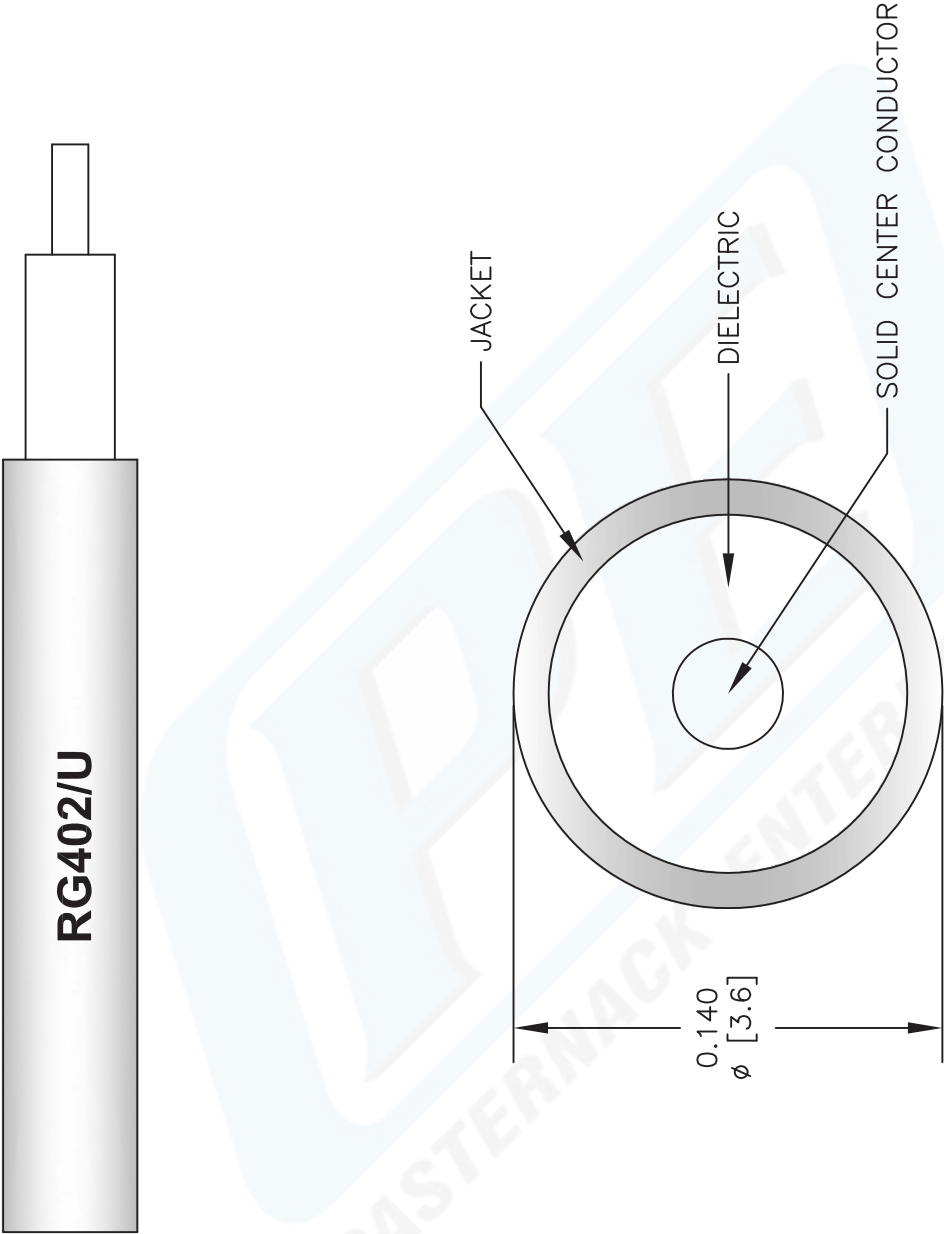
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DWG TITLE  
**RG402/U**

FSCM NO. 53919

2233

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