



## 2.92mm Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

### RF Connectors Technical Data Sheet

PE4987

#### Configuration

- 2.92mm Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder Attachment
- 5/16 inch Hex

#### Features

- Gold over Nickel Plated Beryllium Copper Contact
- 50  $\mu$ m minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4987 2.92mm male connector with 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 2.92mm male connector PE4987 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

<b>Size</b>	
Length	0.37 in [9.4 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.006 lbs [2.72 g]
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]

#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 $\mu$ m minimum
Insulation	PCTFE	
Body	Stainless Steel	Gold over Nickel 50 $\mu$ m minimum
Coupling Nut	Stainless Steel	Gold over Nickel 50 $\mu$ m minimum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4987](#)



2.92mm Male Connector Solder Attachment for PE-SR402AL,  
PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

## RF Connectors Technical Data Sheet

PE4987

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

### Plotted and Other Data

Notes:

2.92mm Male Connector 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.

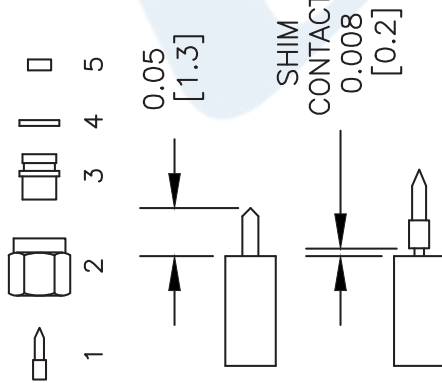
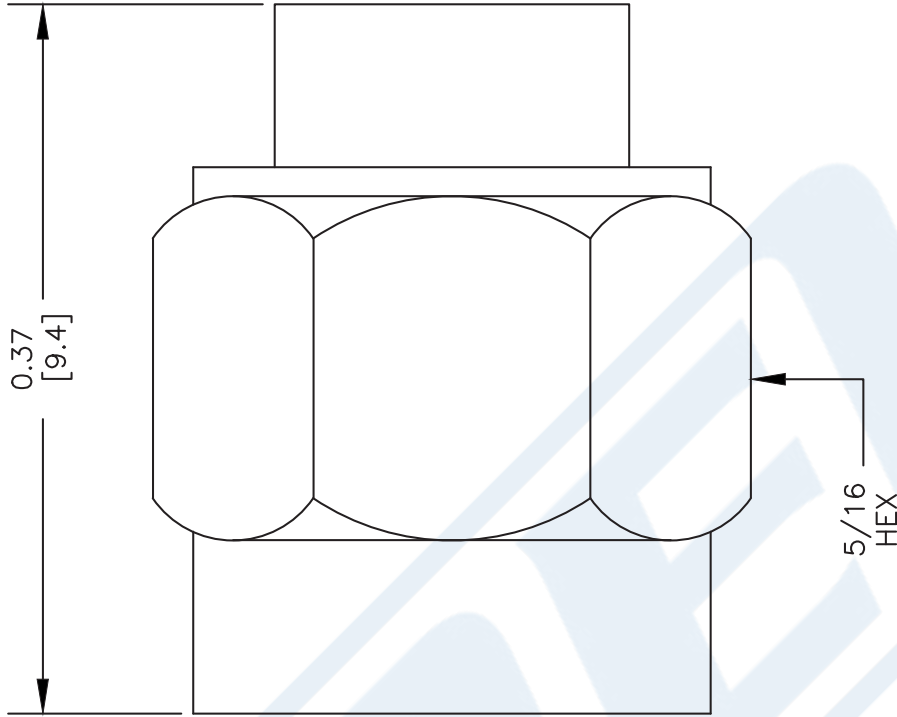
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URL: <https://www.pasternack.com/2.92mm-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4987-p.aspx>

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.

# PE4987 CAD Drawing

2.92mm Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SOLDER CONTACT (1) TO CENTER CONDUCTOR. SLIDE COUPLING NUT (2) OVER CABLE. SLIDE BODY (3) OVER CONTACT UNTIL IT BOTTOMS OUT TO OUTER CONDUCTOR. SOLDER BODY (3) TO OUTER CONDUCTOR.
3. INSTALL GASKET (4) ONTO BODY (3). INSERT INSULATOR (5) INTO BODY (3) & SLIDE COUPLING NUT OVER ASSEMBLY.

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.

DWG TITLE  
**PE4987**

FSCM NO. 53919

CAD FILE 061702

SCALE N/A

SIZE A

127

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## 3.5mm Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402



### TECHNICAL DATA SHEET

PE4981

#### 3.5mm Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402

##### Configuration

Connector	3.5mm Male
Connector Interface Type	PE-SR402AL, PE-SR402FL, RG402
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight

##### Electrical Specifications

Impedance, Ohms	50
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##### Mechanical Specifications

###### Size

Length, in [mm]	0.86 [21.84]
Width/Dia., in [mm]	0.32 [8]
Weight, lbs [g]	0.013 [5.9]

###### Connector

Type	3.5mm Male
Contact Material and Plating	Beryllium Copper, Gold
Contact Plating Specification	50µ in. minimum
Coupling Nut Material and Plating	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700
Dielectric Type	PCTFE

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

RoHS Compliant	Yes
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##### Plotted and Other Data

Notes:	Values at 25 °C, sea level
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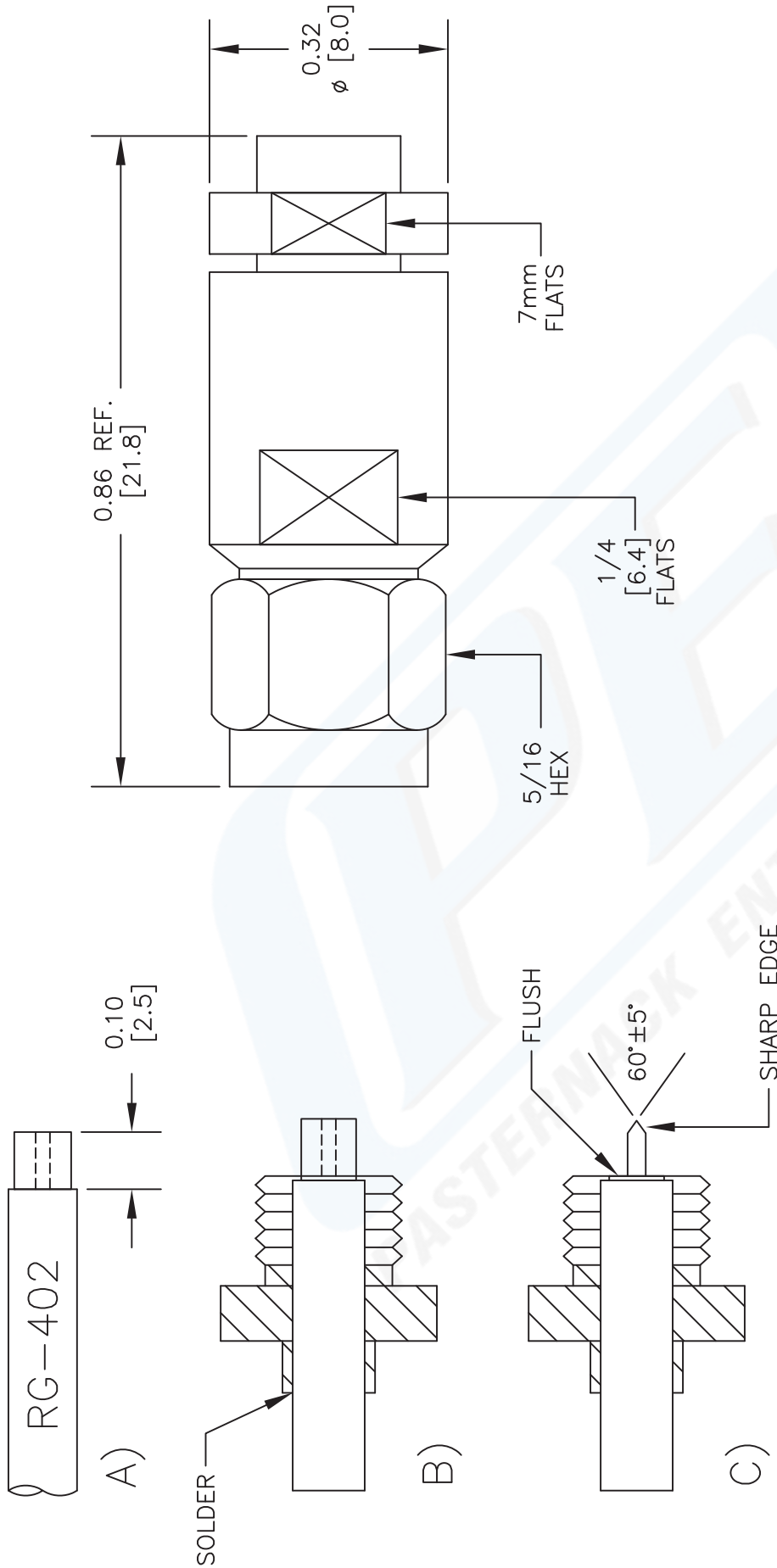
URL: <http://www.pasternack.com/3.5mm-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4981-p.aspx>

3.5mm Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 from Pasternack Enterprises has same day shipment for domestic and International orders. We maintain 99% availability of the industry's broadest selection of RF, microwave and fiber optic products.

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.

# PE4981 CAD Drawing

3.5mm Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, 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 DIELECTRIC AS SHOWN IN (C).
4. SCREW ASSEMBLY INTO BODY & TIGHTEN.



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**COAXIAL & FIBER OPTICS**

DWG TITLE

**PE4981**

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REV. A

FSCM NO. 53919

CAD FILE 051812

SCALE N/A

SIZE A

2233



## 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
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###### 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  
Material 1

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**

Notes:

Values at 25 °C, sea level

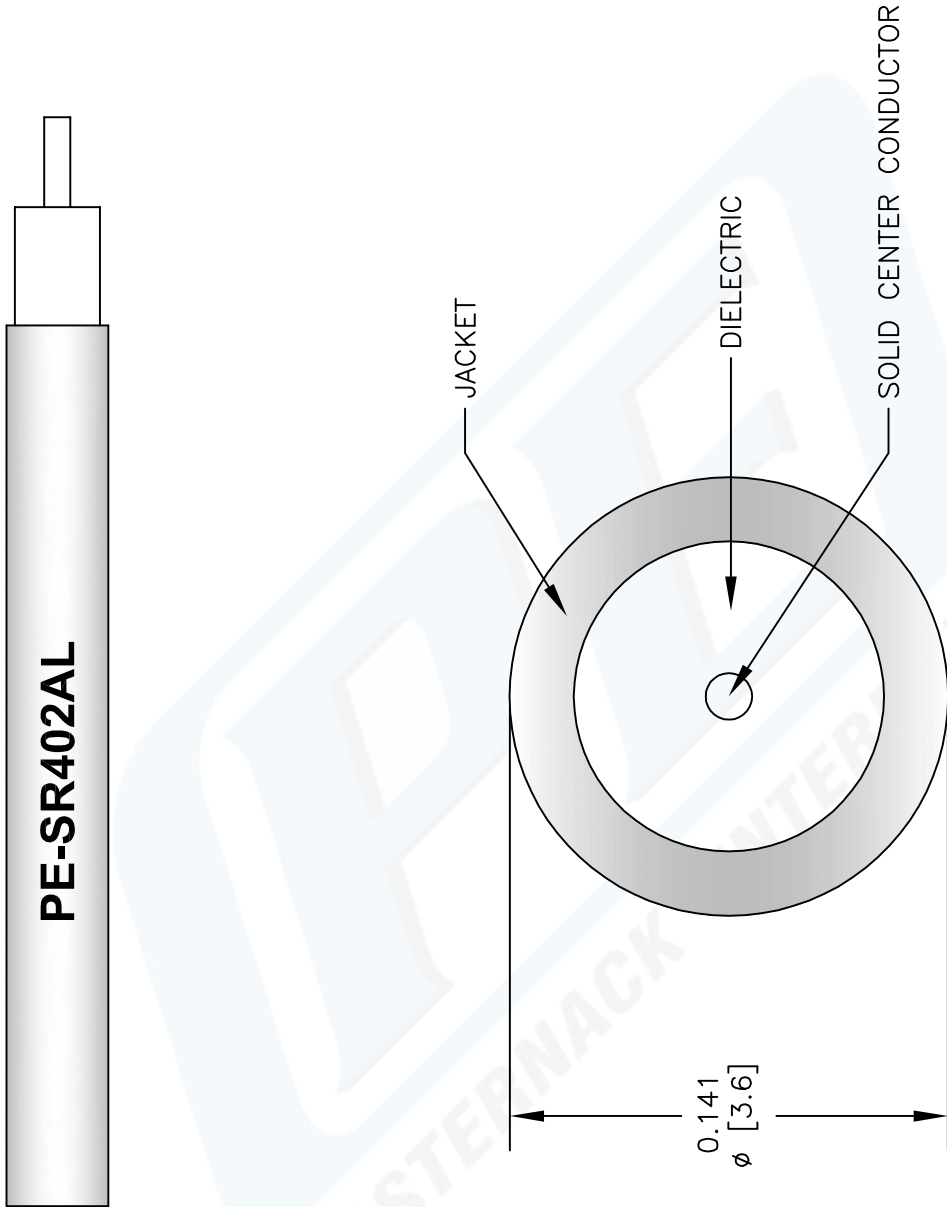
141 Semi-rigid Coax Cable with Tinned Aluminum from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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

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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