

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
- SR402TN, RG402 Interface Type
- Solder Attachment
- 5/16 inch Hex

### Features

- Gold over Nickel Plated Beryllium Copper Contact
- 50  $\mu$ in 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

#### Size

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 $\mu$ in minimum
Insulation	PCTFE	
Body	Stainless Steel	Gold over Nickel 50 $\mu$ in minimum
Coupling Nut	Stainless Steel	Gold over Nickel 50 $\mu$ in 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.

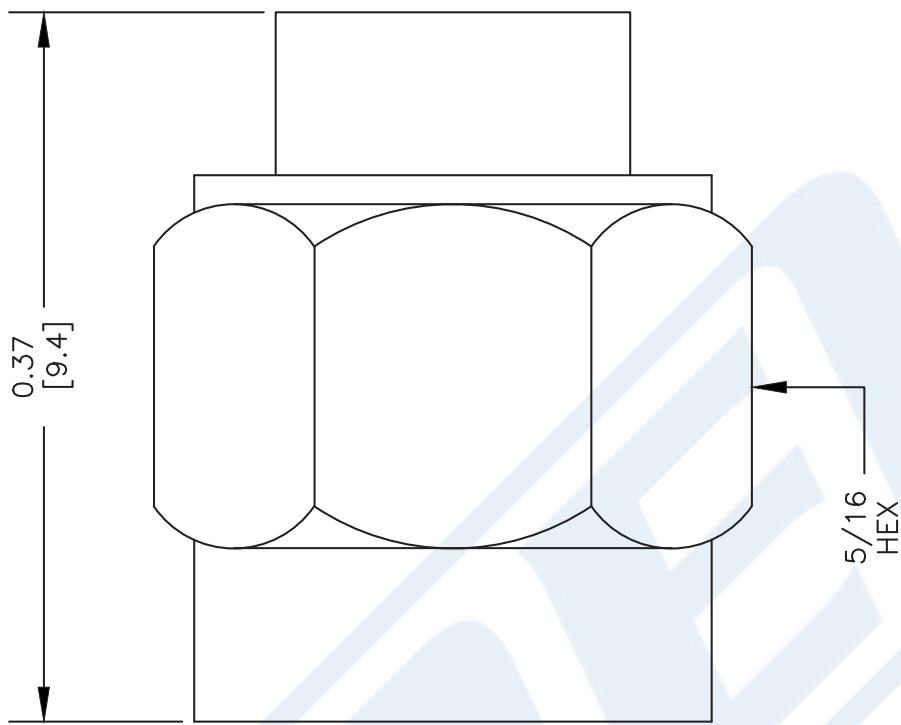
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4987](#)

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.

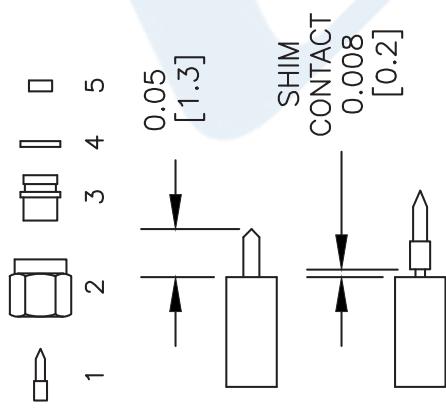
# PE4987 CAD Drawing

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 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.

PART NUMBER	DESCRIPTION	QTY	UNIT	NOTES
PE4987	PE4987	1	PCB	

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SMA Male Right Angle Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



## RF Connectors Technical Data Sheet

PE44996

### Configuration

- SMA Male Connector
- MIL-PRF-39012
- 50 Ohms
- Right Angle 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  $\mu$ in minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44996 SMA male right angle 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. Its right angle body geometry allows for easier connections in tight spaces.

Our SMA male right angle connector PE44996 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  
Width/Dia.  
Height  
Weight

1.28 in [32.51 mm]  
0.395 in [10.03 mm]  
0.74 in [18.8 mm]  
0.032 lbs [14.51 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44996](#)



## SMA Male Right Angle Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

### RF Connectors Technical Data Sheet

PE44996

#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 $\mu$ in minimum
Insulation	PTFE	
Body	Passivated Stainless Steel	SAE-AMS-2700
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2700

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

#### Plotted and Other Data

Notes:

SMA Male Right Angle 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.

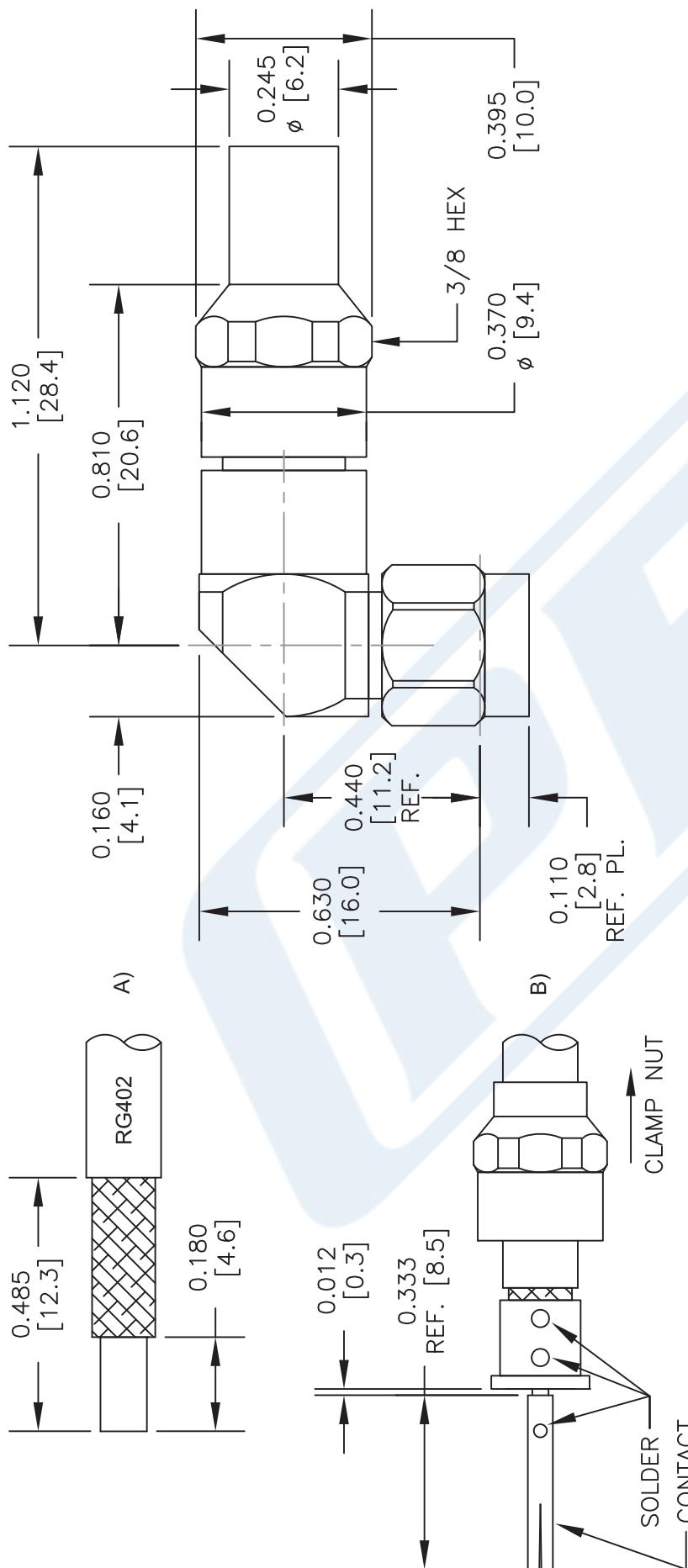
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44996](#)

URL: <https://www.pasternack.com/sma-male-standard-rg402-pe-p141-pe-sr402flj-connector-pe44996-p.aspx>

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# PE44996 CAD Drawing

SMA Male Right Angle Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



## ASSEMBLY PROCEDURES

1. TRIM CABLE TO EXPOSE DIELECTRIC CORE AND BRAIDS AS SHOWN IN (A).
2. SLIDE CLAMP NUT OVER CABLE AS SHOWN IN (B). INSERT CABLE INTO SOLDER FERRULE UNTIL INNER BRAID SEATS IN FERRULE. THEN SOLDER CABLE BRAIDS TO FERRULE WHERE SHOWN. TRIM CABLE DIELECTRIC FLUSH WITH SOLDER FERRULE FACE. (DO NOT NICK CABLE CENTER CONDUCTOR). SOLDER CONTACT WITH INDICATED GAP.
3. SCREW ASSEMBLY INTO BODY & TIGHTEN NUT.



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DWG TITLE	PE44996
FSCM NO. 53919	CAD FILE 010314 SCALE N/A SIZE A

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

## RG402 Coax Cable with Tinned Copper Outer Conductor

### TECHNICAL DATA SHEET

PE-SR402TN

#### RG402 Tinned Coax Cable with Tinned Copper Outer Conductor

##### Configuration

Cable Specification	MIL-C-17
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Tinned Copper

##### Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	36

##### 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
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###### Inner Conductor

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: [RG402 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR402TN](#)

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## RG402 Coax Cable with Tinned Copper Outer Conductor

### TECHNICAL DATA SHEET

PE-SR402TN

**Shield:**

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

**Jacket:**

One Time Minimum Bend Radius, in [mm]	1 [25.4]
Weight, lbs/ft [Kg/m]	0.036 [0.05]

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

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

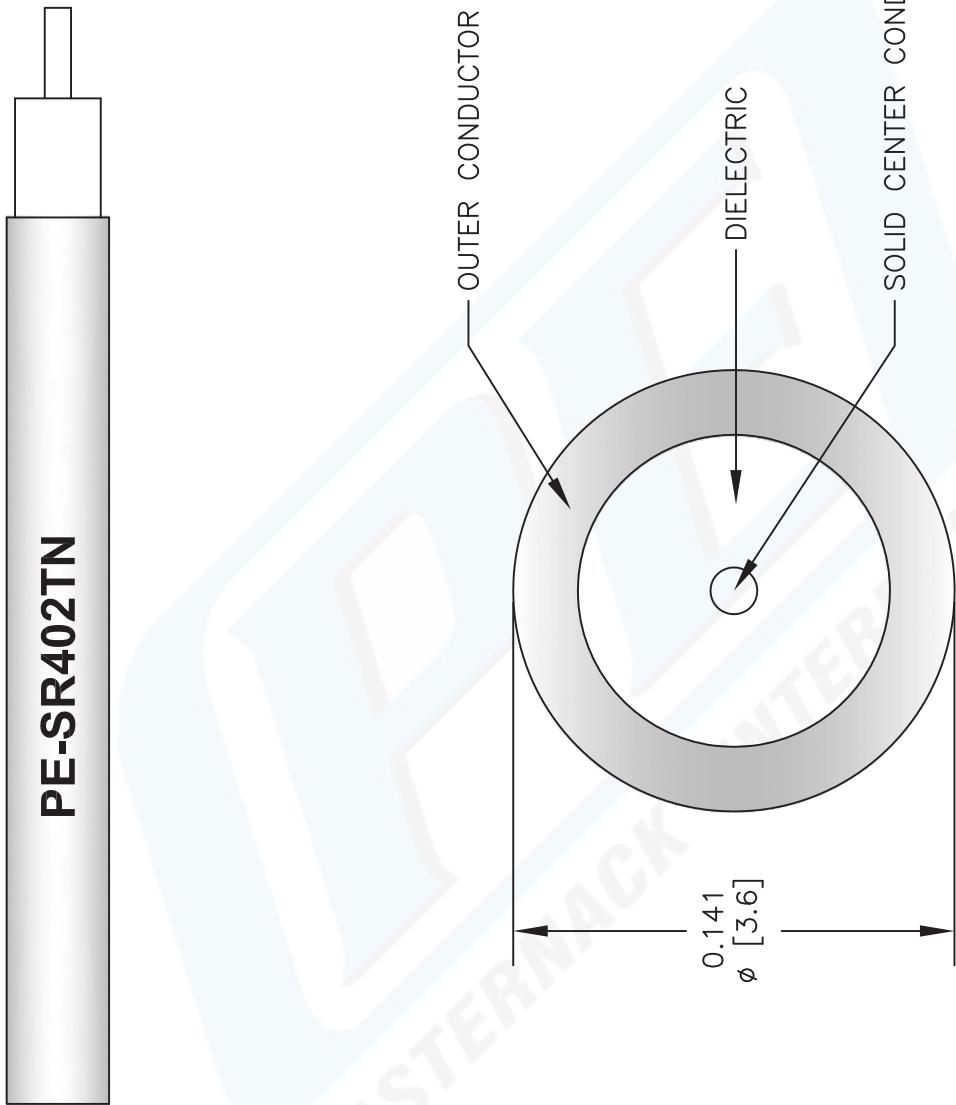
RG402 Coax Cable with Tinned Copper Outer Conductor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG402 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR402TN](#)

URL: <http://www.pasternack.com/50-ohm-semi-rigid-rg402-tinned-copper-pe-sr402tn-p.aspx>

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**PE-SR402TN CAD Drawing**  
RG402 Coax Cable with Tinned Copper Outer Conductor



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3. DIMENSIONS ARE IN INCHES [mm].			
DWG TITLE	PE-SR402TN	SCALE N/A	SIZE A
FSCM NO.	53919	CAD FILE	073113
			2233

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