



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

RF Connectors Technical Data Sheet

PE44691

**Configuration**

- SMA 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**

- Max. Operating Frequency 18 GHz

**Applications**

- General Purpose Test
- Custom Cable Assemblies

**Description**

Pasternack's PE44691 SMA 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 SMA male connector operates up to a maximum frequency of 18 GHz.

Our SMA male connector PE44691 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.

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz

**Mechanical Specifications**

Size	
Length	0.441 in [11.2 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.005 lbs [2.27 g]
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44691](#)



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

## RF Connectors Technical Data Sheet

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### Material Specifications

Description	Material	Plating
Body	Brass	Gold over Nickel
Coupling Nut	Passivated Stainless Steel	

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

### Plotted and Other Data

Notes:

SMA 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 99.4% 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 Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44691](#)

URL: <https://www.pasternack.com/sma-male-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44691-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.

# PE44691 CAD Drawing

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

## ASSEMBLY PROCEDURES



1. STRIP CABLE AS SHOWN.



2. SOLDER CONNECTOR BODY.



3. TRIM DIELECTRIC, DO NOT NICK CENTER CONDUCTOR AND POINT THE CENTER CONTACT OF CABLE.



4. INSTALL THE COUPLING NUT.



DWG TITLE

**PE44691**

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.

REV. A

FSCM NO. 53919

CAD FILE 050412

SCALE N/A

SIZE A

2233

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

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SMA Female Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

## RF Connectors Technical Data Sheet

PE44695

### Configuration

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

### Features

- Max. Operating Frequency 18 GHz
- Gold over Nickel Plated Beryllium Copper Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44695 SMA female connector with solder/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 SMA female connector operates up to a maximum frequency of 18 GHz.

Our SMA female connector PE44695 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.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz

### Mechanical Specifications

<b>Size</b>	
Length	0.5 in [12.7 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.0031 lbs [1.41 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44695](#)



SMA Female Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

## RF Connectors Technical Data Sheet

PE44695

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel
Insulation	PTFE	
Body	Brass	Gold over Nickel

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

### Plotted and Other Data

Notes:

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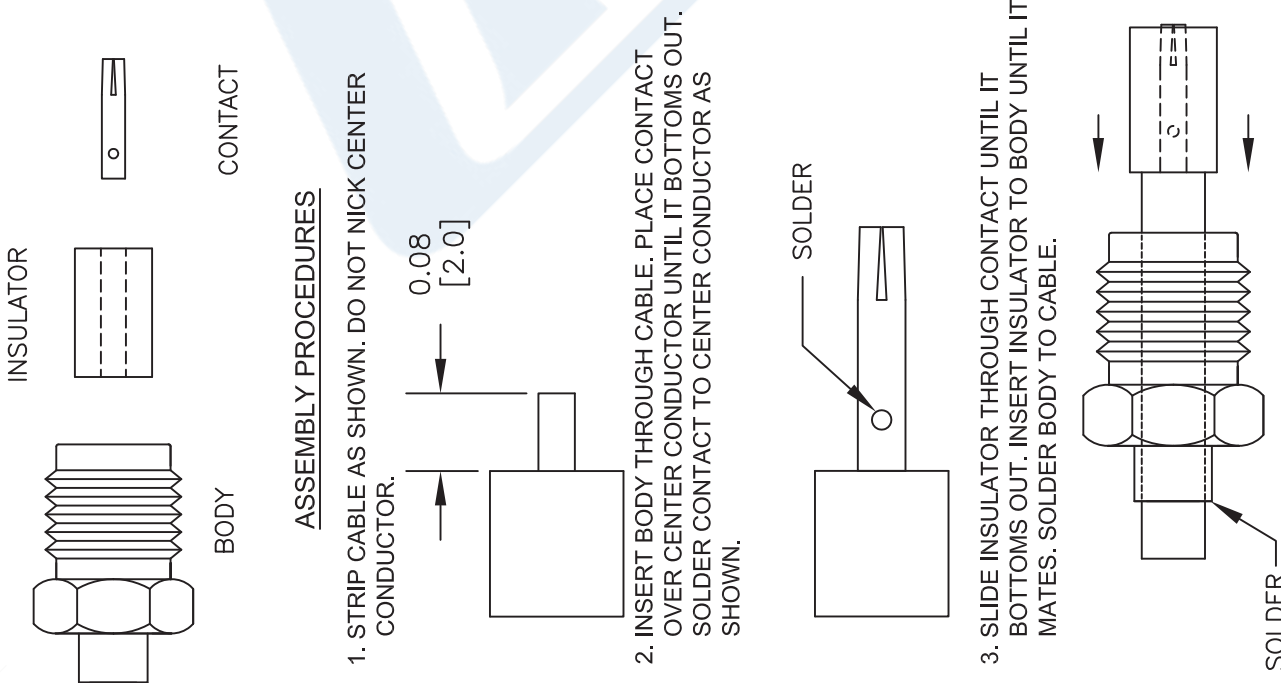
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URL: <https://www.pasternack.com/sma-female-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44695-p.aspx>

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# PE44695 CAD Drawing

SMA Female 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. INSERT BODY THROUGH CABLE. PLACE CONTACT OVER CENTER CONDUCTOR UNTIL IT BOTTOMS OUT. SOLDER CONTACT TO CENTER CONDUCTOR AS SHOWN.
3. SLIDE INSULATOR THROUGH CONTACT UNTIL IT BOTTOMS OUT. INSERT INSULATOR TO BODY UNTIL IT MATES. SOLDER BODY TO CABLE.

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.

DWG TITLE  
**PE44695**

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**COAXIAL & FIBER OPTICS**



REV. -	FSCM NO. 53919	CAD FILE 121511	SCALE N/A	SIZE A	2233
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## 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
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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]	0.117 [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**

Notes: Values at 25 °C, sea level

RG402 Coax Cable with 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 Coax Cable with Copper Outer Conductor RG402/U](#)

URL: <http://www.pasternack.com/semirigid-0.141-rg402-50-ohm-coax-cable-copper-rg402-u-p.aspx>

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# RG402/U CAD Drawing

## RG402 Coax Cable with Copper Outer Conductor



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DWG TITLE  
**RG402/U**

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 050212-B


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