



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

### RF Connectors Technical Data Sheet

PE4092

#### Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder/Solder Attachment

#### Features

- Max. Operating Frequency 4 GHz
- Gold Plated Brass Contact
- 30  $\mu$ m minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4092 BNC male right angle 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 BNC male connector operates up to a maximum frequency of 4 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our BNC male right angle connector PE4092 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		4	GHz
Operating Voltage (AC)			500	Vrms

#### Mechanical Specifications

<b>Size</b>	
Length	0.89 in [22.61 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.029 lbs [13.15 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4092](#)



BNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

## RF Connectors Technical Data Sheet

PE4092

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold
Coupling Nut	Brass	Nickel 100 µin minimum

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 deg C

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

### Plotted and Other Data

Notes:

BNC Male Right Angle 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.

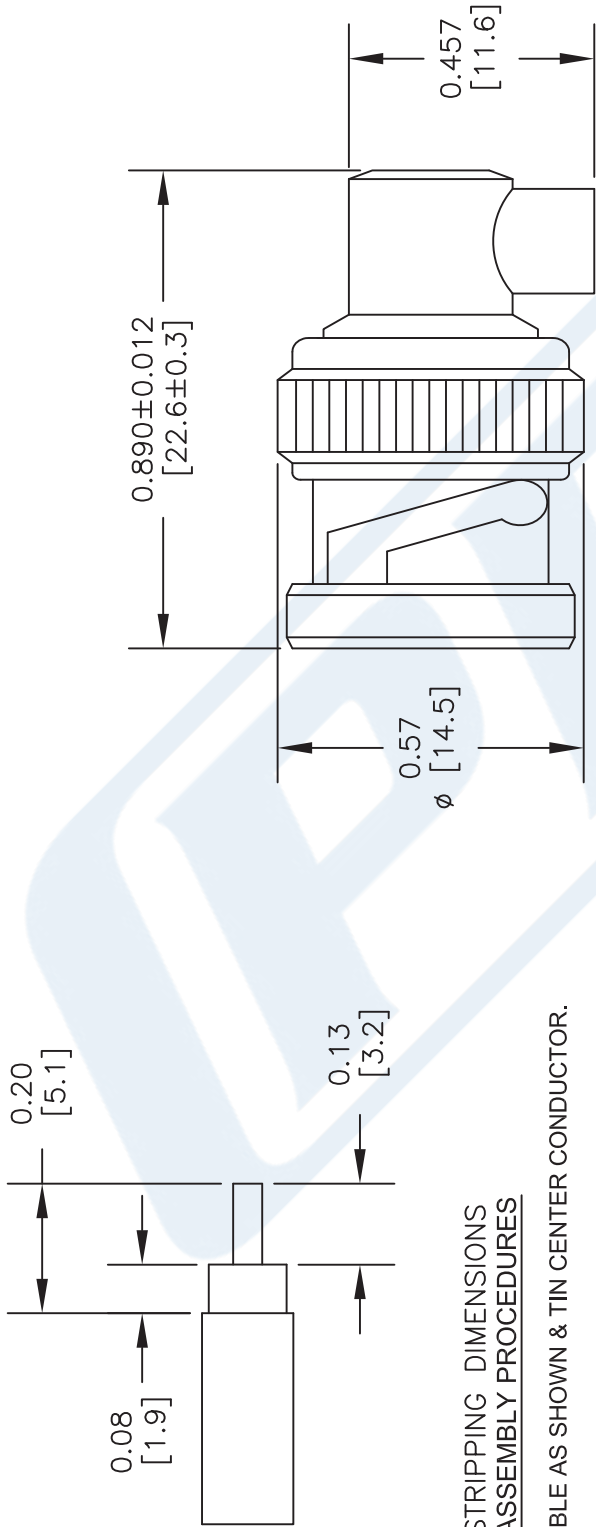
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URL: <https://www.pasternack.com/bnc-male-pe-sr402al-pe-sr402fl-rg402-connector-pe4092-p.aspx>

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.

PE4092 CAD Drawing

BNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



STRIPPING DIMENSIONS  
ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS ON WITH CONNECTOR SHOULDER, THE CENTER CONDUCTOR WILL PROTRUDE INTO CONTACT SLOT.
3. SOLDER CENTER CONDUCTOR INTO SLOT AND OUTER CONDUCTOR TO BODY. INSERT PTFE INTO CONNECTOR & PRESS CAP DOWN.

STANDARD TOLERANCES

.X ±0.2  
.XX ±0.1  
.XXX ±0.05

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE4092

FSCM NO. 53919

CAD FILE

040116

SCALE N/A

SIZE A

3045

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].



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

TECHNICAL DATA SHEET

PE4006

**Configuration**

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

**Electrical Specifications**

Frequency Range, GHz	DC to 4
Impedance, Ohms	50
Maximum VSWR	1.5:1

**Mechanical Specifications**

**Size**

Length, in [mm]	1.36 [34.54]
Width/Dia., in [mm]	0.8 [20.32]
Weight, lbs [g]	0.082 [37.19]

**Connector**

Type	N Male
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100μ in. minimum
Dielectric Type	Teflon

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 PE4006](#)



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

TECHNICAL DATA SHEET

PE4006

**Plotted and Other Data**

Notes:

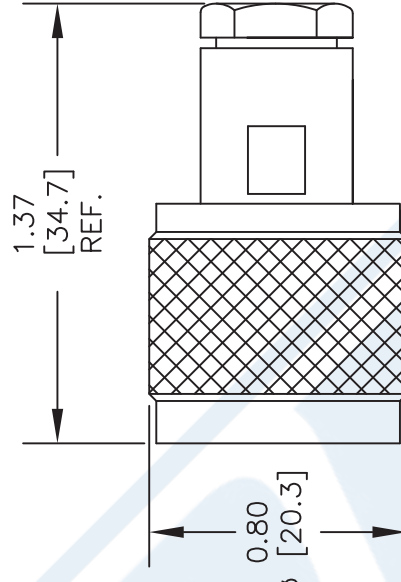
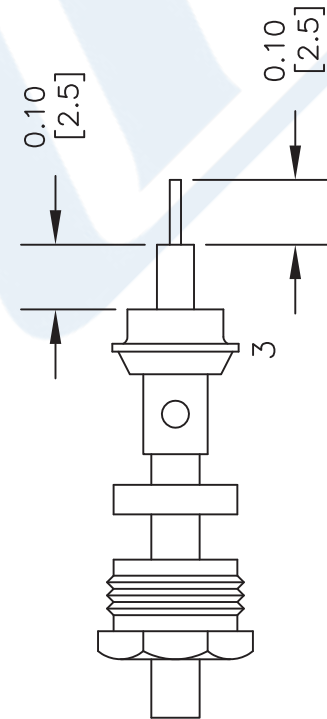
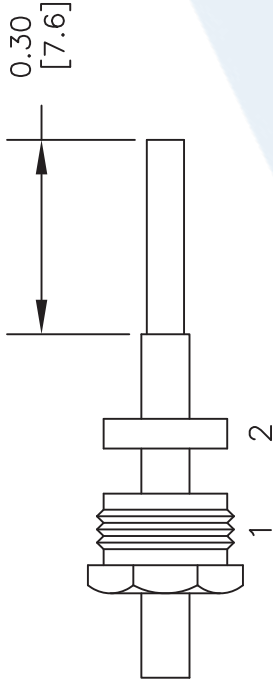
- Values at +25 °C, sea level

N 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 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: [N Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 PE4006](#)

URL: <http://www.pasternack.com/n-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4006-p.aspx>

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### STRIPPING DIMENSIONS

### 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

**PE4006**

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 3. DIMENSIONS ARE IN INCHES [mm].  
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

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FSCM NO. 53919

CAD FILE 042109

SCALE N/A

SIZE A

127





## Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### RF Cables Technical Data Sheet

PE-SR402FL

#### Configuration

- Formable Cable
- 1 Shield(s)

#### Features

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

#### Description

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly pre-formed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Shielding Effectiveness	110			dB
Inner Conductor DC Resistance			7.8	Ohms/1000ft
Outer Conductor DC Resistance			5.5	Ohms/1000ft
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	8	12	29	45	70	dB/100ft
	26.25	39.37	95.14	147.64	229.66	dB/100m

#### Mechanical Specifications

Min. Bend Radius (Repeated) 0.625 in [15.88 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](#)



## Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### RF Cables Technical Data Sheet

PE-SR402FL

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.119 in [3.02 mm]
First Shield	Tinned Copper Braid 100% coverage	0.141 in [3.58 mm]

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +125 deg C

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

#### Plotted and Other Data

Notes:

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor 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: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](#)

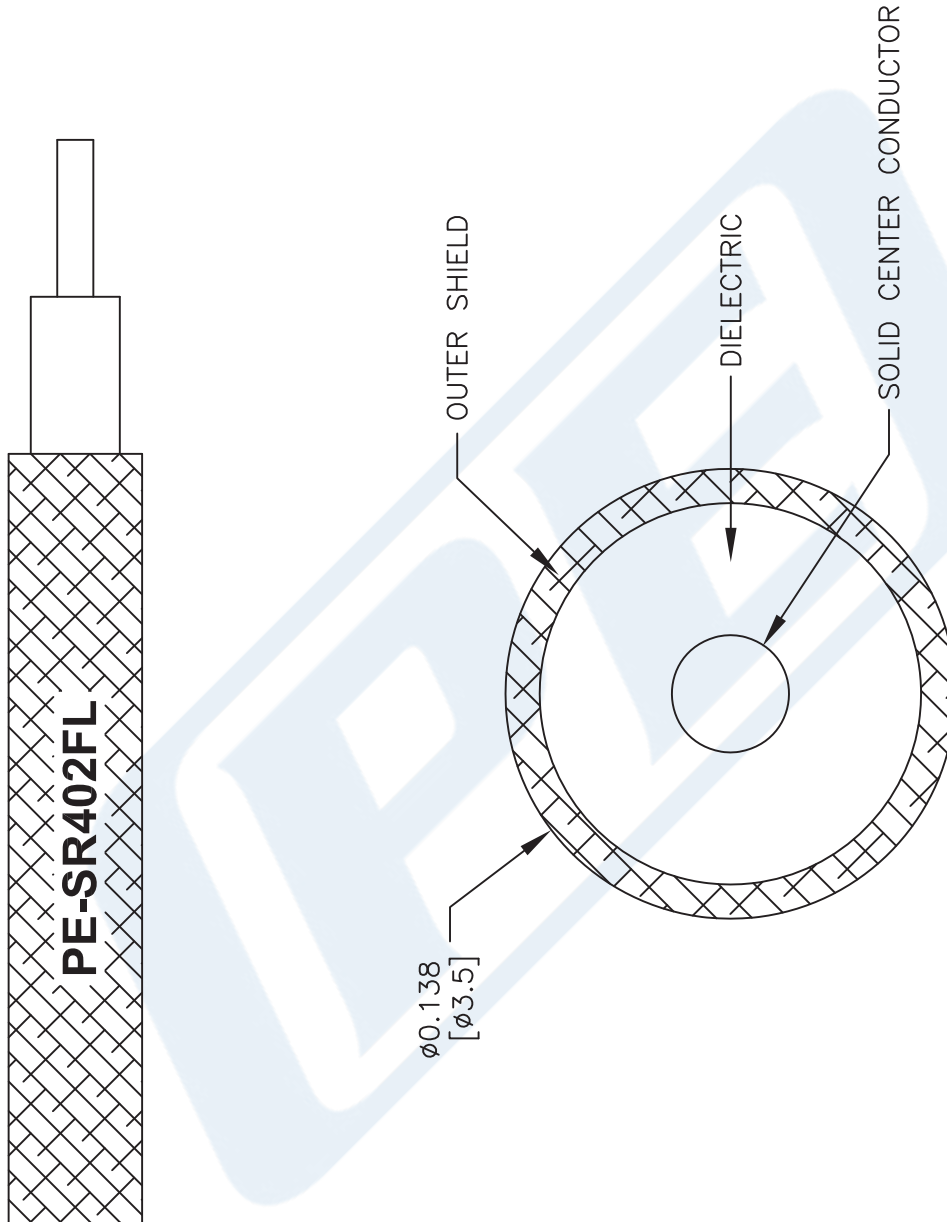
URL: <https://www.pasternack.com/formable-0.141-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr402fl-p.aspx>

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# PE-SR402FL CAD Drawing

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



## NOTES:

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3. DIMENSIONS ARE IN INCHES [mm].

## DWG TITLE

**PESR402FL**

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742



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