



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

RF Connectors Technical Data Sheet

PE4650

Configuration

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

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4650 BNC male 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 and offers good VSWR of 1.3:1.

Our BNC male connector PE4650 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
VSWR			1.3:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

Mechanical Specifications

Size

Length	0.76 in [19.3 mm]
Width/Dia.	0.571 in [14.50 mm]
Weight	0.028 lbs [12.7 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 Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4650](#)



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

RF Connectors Technical Data Sheet

PE4650

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold 3 µin minimum
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 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.

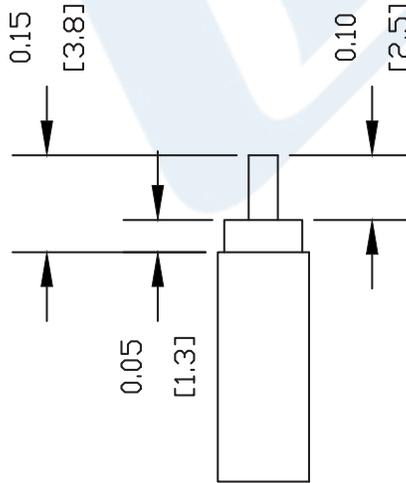
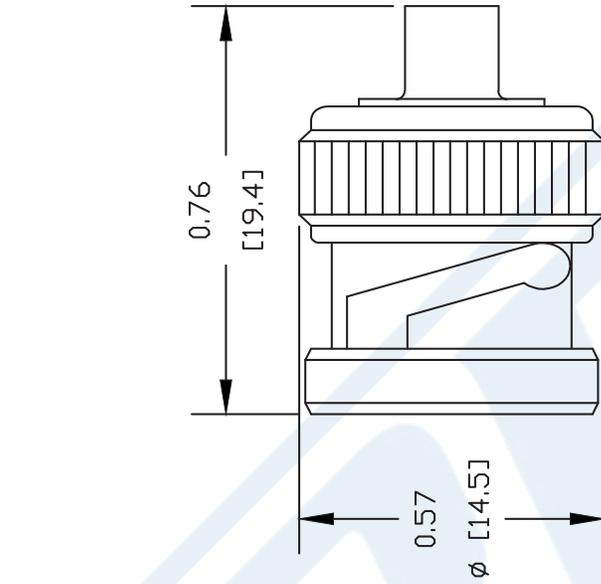
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4650](#)

URL: <https://www.pasternack.com/bnc-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4650-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.

PE4650 CAD Drawing

BNC Male 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. SOLDER CONTACT TO CENTER CONDUCTOR.
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

DWG TITLE

PE4650

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. -

FSCM NO. 53919

CAD FILE 052902

SCALE N/A

SIZE A

127



PASTERNAK®

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

Compliance Certifications (visit 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

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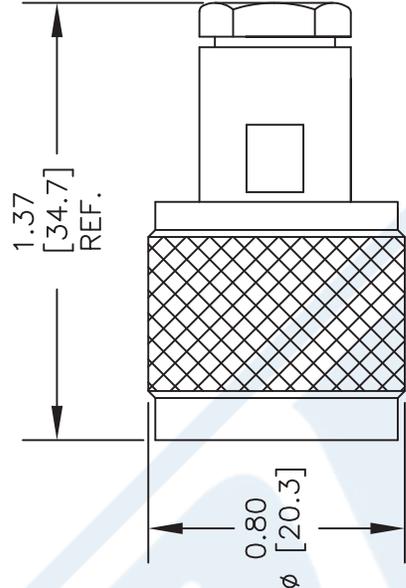
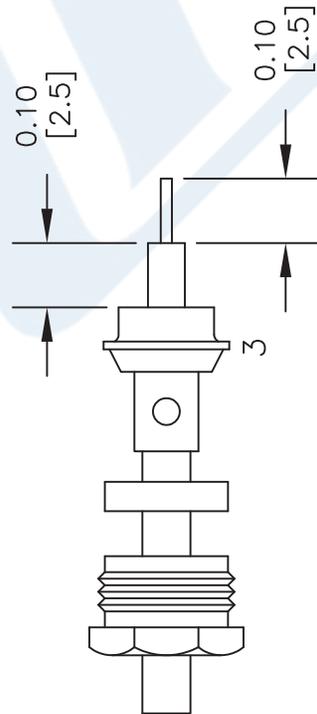
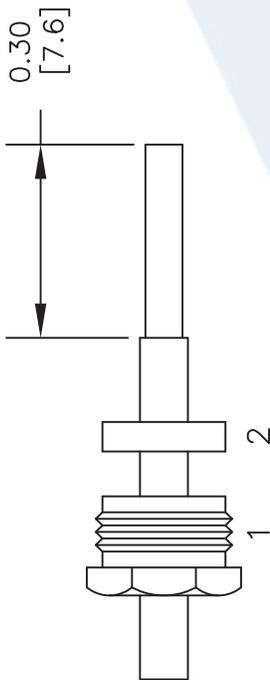
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URL: <http://www.pasternack.com/n-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4006-p.aspx>

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PE4006 CAD Drawing

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



1.37 [34.7] REF.

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

FSCM NO. 53919

CAD FILE 042109

SCALE N/A

SIZE A

127



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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 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.

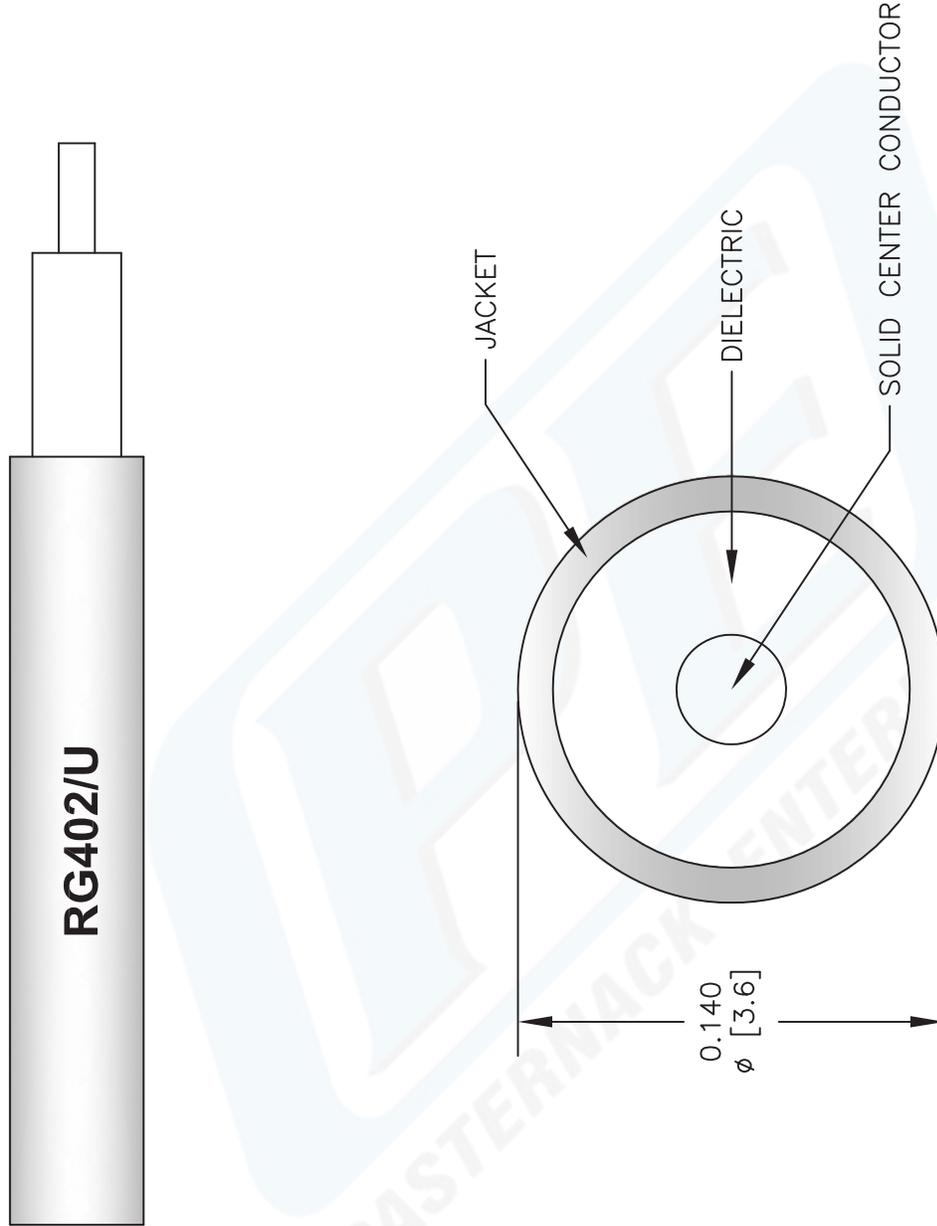
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URL: <http://www.pasternack.com/semirigid-0.141-rg402-50-ohm-coax-cable-copper-rg402-u-p.aspx>

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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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