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# 3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors
Technical Data Sheet

PE45011

## Configuration

- 3.5mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR402AL, PE-SR-402FL, PE-SR402FLJ, PE-SR402TN, RG402

## Features

- Max. Operating Frequency 34 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

## Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE45011 3.5mm female 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. Our 3.5mm female connector operates up to a maximum frequency of 34 GHz and offers excellent VSWR of 1.2:1.

Our 3.5mm female connector PE45011 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 | | 34 | GHz |
| VSWR | | | 1.2:1 | |

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 0.862 in [21.89 mm] |
| Width/Dia. | 0.351 in [8.92 mm] |
| Weight | 0.012 lbs [5.44 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE45011

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# 3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



**Material Specifications**

| Description | Material | Plating |
|---|---|---|
| Contact | Beryllium Copper | Gold over Nickel<br>50 µin minimum |
| Insulation | PCTFE | |
| Body | Passivated Stainless Steel | SAE-AMS-2700 |

## Environmental Specifications

**Compliance Certifications** (see product page for current document)

## Plotted and Other Data

Notes:

3.5mm Female 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 99.4% 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: 3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE45011

URL: https://www.pasternack.com/3.5mm-female-pe-sr402al-pe-sr402fl-pe-sr402tn-rg402-connector-pe45011-p.aspx

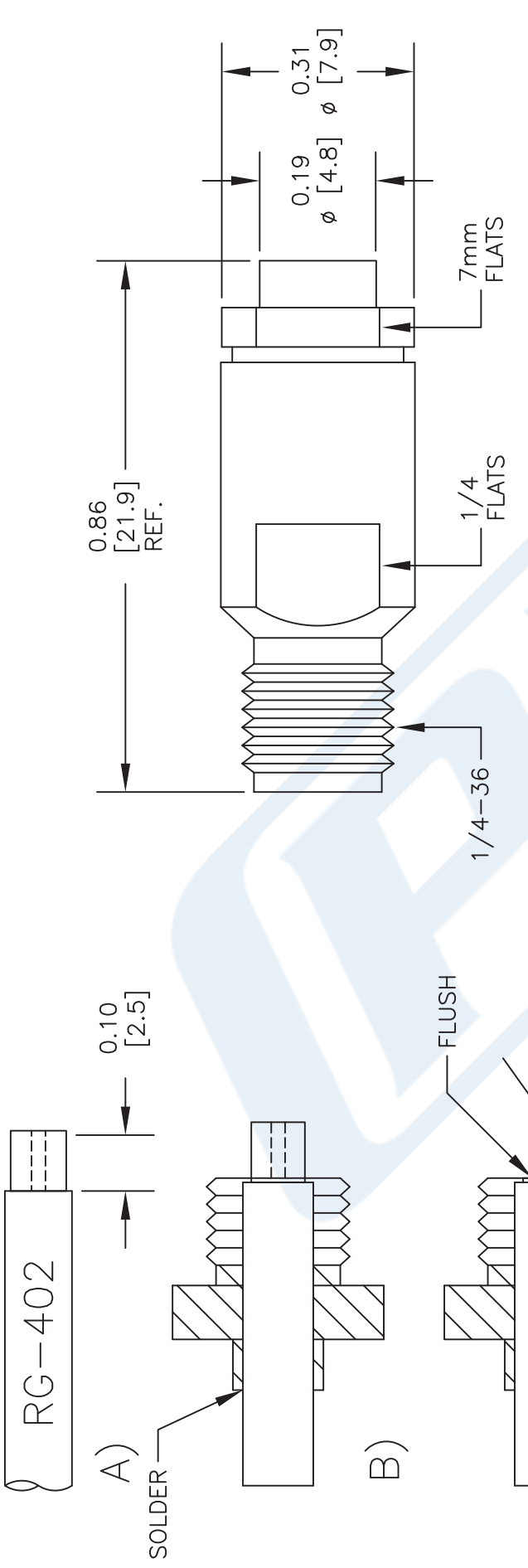
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# PE45011 CAD Drawing

3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, 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 CABLE DIELECTRIC FLUSH FACE OF CLAMP AS SHOWN IN (C). POINT CABLE CENTER CONDUCTOR AS SHOWN IN (C)
4. 4. SCREW ASSEMBLY INTO BODY & TIGHTEN (25-30 IN-LBS).

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].

DWG TITLE **PE45011**

| CAD FILE | 031414 | SCALE N/A | SIZE A | 150 |
|---|---|---|---|---|

**FSCM NO. 53919**


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# 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
- Connector Interface Types: PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

### 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

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# 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<br>30 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Gold<br>3 µin minimum |
| Coupling Nut | Brass | Nickel<br>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 99.4% 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: BNC Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4650

URL: https://www.pasternack.com/bnc-male-pe-sr402al-pe-sr402fl-pe-sr402tn-rg402-connector-pe4650-p.aspx

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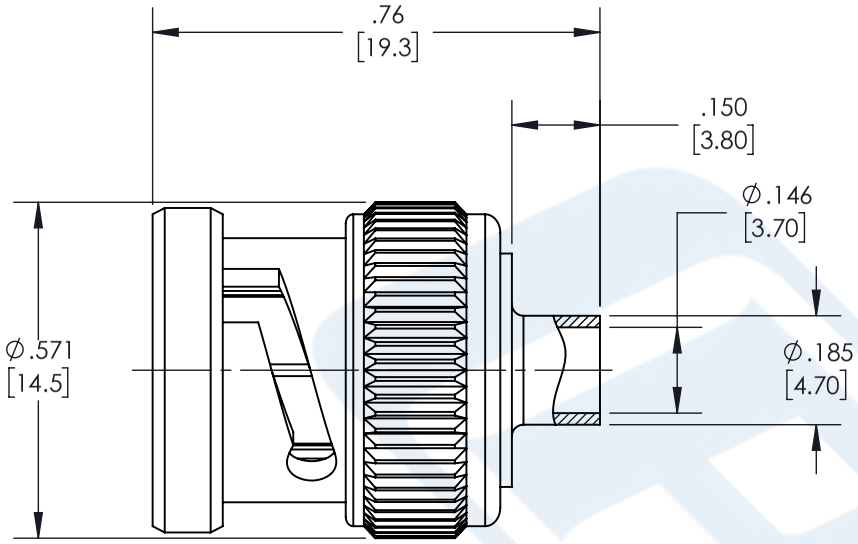
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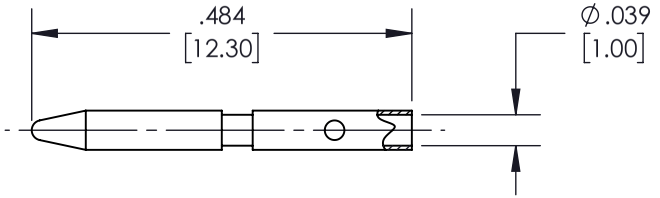
# PE4650 CAD Drawing

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

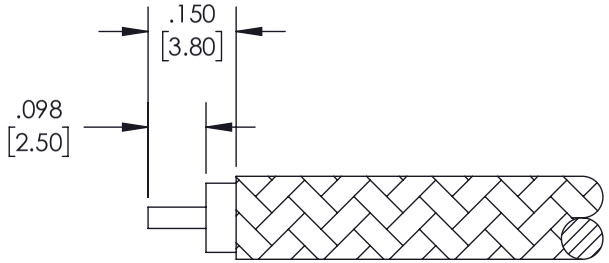
| REVISIONS | | | |
|---|---|---|---|
| REV. | DESCRIPTION | DATE | APPROVED |
| B | PCR PE4650 20220712 | 07/27/2022 | AGANWANI |




BNC MALE




CONTACT




STRIPPING DIMENSIONS

ASSEMBLY PROCEDURE

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.

2. SOLDER CONTACT TO CENTER CONDUCTOR. INSERT CABLE INTO BODY UNTIL CONTACT SETS IN PLACE. SOLDER OUTER CONDUCTOR TO BODY.

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08] | FRACTIONS ± 1/32
.XX = ± .02 [ .51 ] | ANGLES ± 1°
.XXX = ± .005 [ .13 ]

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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SHEET 1 OF 1

SCALE N/A

| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
|---|---|---|---|---|
| A | 53919 | AKRESOWSK | PE4650 | B |

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# RG402 Coax Cable with Copper Outer Conductor

## RF Cables
## Technical Data Sheet

RG402/U

## Configuration

- Semi-Rigid Cable
- M17/130-RG402
- 1 Shield(s)

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | DC | | 34 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 69.5 | | % |
| Dielectric Withstanding Voltage (AC) | | | 5,000 | Vrms |
| Corona Discharge at 60 Hz | | | 1,900 | Vrms |

### Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|---|---|---|---|---|---|
| Frequency | 0.5 | 1 | 5 | 10 | 18 | GHz |
| Attenuation, Typ | 7.6 | 11.1 | 28.1 | 43.4 | 63.6 | dB/100ft |
| | 24.93 | 36.42 | 92.19 | 142.39 | 208.66 | dB/100m |
| Input Power (CW), Max | 600 | 450 | 180 | 120 | 73 | Watts |

| Description | F6 | F7 | F8 | F9 | F10 | Units |
|---|---|---|---|---|---|---|
| Frequency | 26.5 | | | | | GHz |
| Attenuation, Typ | 82.8 | | | | | dB/100ft |
| | 271.65 | | | | | dB/100m |
| Input Power (CW), Max | 70 | | | | | Watts |

### Mechanical Specifications

| | |
|---|---|
| Min. Bend Radius (Repeated) | 0.25 in [6.35 mm] |

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

## RF Cables
## Technical Data Sheet

RG402/U

### Construction Specifications

| Description | Material and Plating | Diameter |
|---|---|---|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strand | 0.036 in 0.91 mm |
| Conductor Type | Solid | |
| Dielectric | PTFE | 0.118 in [3 mm] |
| Outer Conductor | Copper<br>.141 | |
| Jacket | Tan | |

### Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -55 to +125 deg C |

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

### Plotted and Other Data

Notes:

RG402 Coax Cable with Copper 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: RG402 Coax Cable with Copper Outer Conductor RG402/U

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

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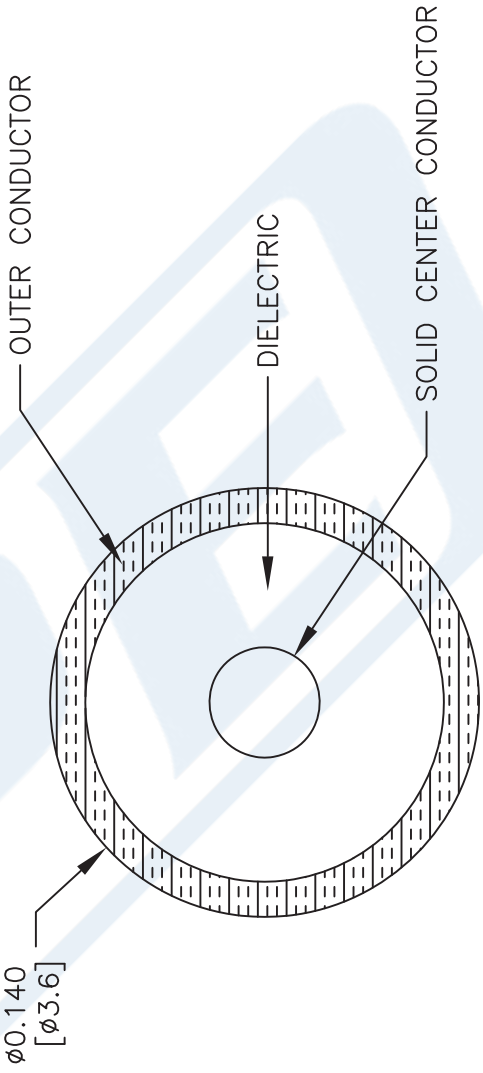
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# RG402/U CAD Drawing

RG402 Coax Cable with Copper Outer Conductor




NOTES:
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DWG TITLE: RG402/U

CAD FILE 111816 | SCALE N/A | SIZE A | 41742

FSCM NO. 53919

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