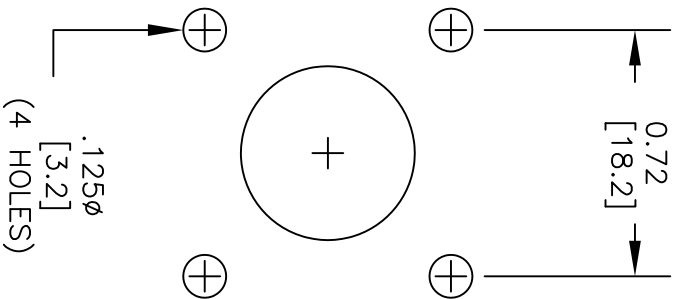
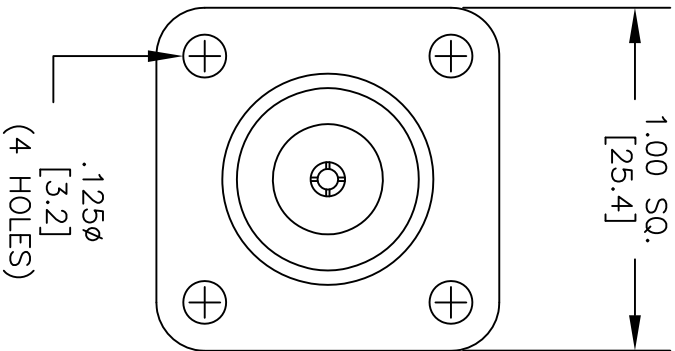
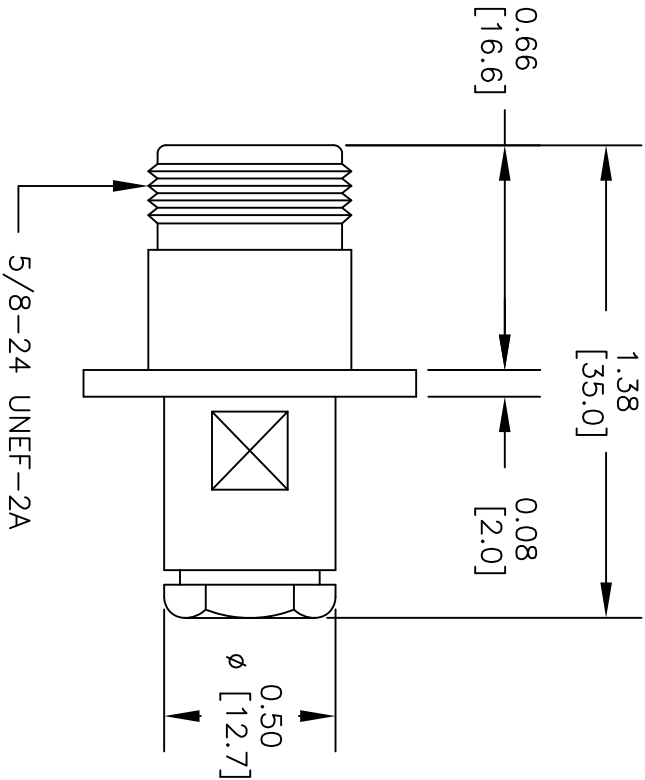
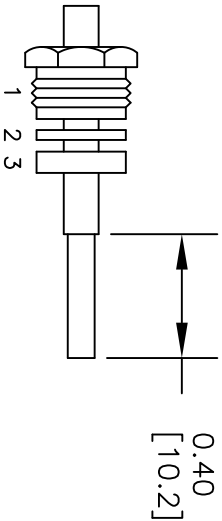


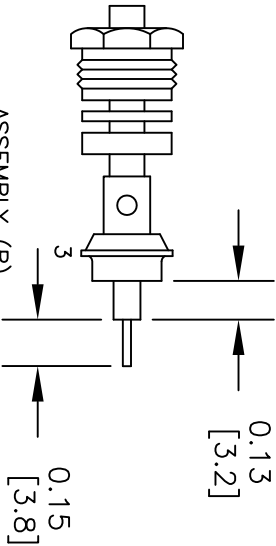
| MATERIALS | | |
|----------------|---------------------|--|
| BODY | BRASS NICKEL PLATED | |
| CONTACT | GOLD PLATED | |
| INSULATOR | PTFE | |
| SOLDER ADAPTER | BRASS GOLD PLATED | |



MOUNTING HOLE



ASSEMBLY (A)



ASSEMBLY (B)

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (4) OVER CABLE UNTIL ADAPTER (4) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (4) 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.



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 E-MAIL ADDRESS: sales@pastermack.com
COAXIAL & FIBER OPTICS

PE44072

DES. N FEMALE, PANEL MOUNT, SOLDER/CLAMP ATTACHMENT FOR RG402, PE-SR402AL & PE-SR402FL

| | | | | | | | | |
|--------|----------------|----------|--------|-------|-----|------|---|------|
| REV. A | FSCM NO. 53919 | CAD FILE | 121411 | SCALE | N/A | SIZE | A | 2233 |
|--------|----------------|----------|--------|-------|-----|------|---|------|

- 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 Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, RG402

RF Connectors Technical Data Sheet

PE4936

Configuration

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

Features

- Max. Operating Frequency 11 GHz
- Gold over Nickel Plated Brass Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4936 type N male right angle connector with solder/solder attachment for PE-SR402AL, PE-SR402FL and RG402 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE4936 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 | | 11 | GHz |
| Operating Voltage (AC) | | | 500 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,500 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 1.115 in [28.32 mm] |
| Width/Dia. | 0.8 in [20.32 mm] |
| Height | 0.91 in [23.11 mm] |
| Weight | 0.082 lbs [37.19 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, RG402 PE4936](#)



N Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, RG402

RF Connectors Technical Data Sheet

PE4936

Material Specifications

| Description | Material | Plating |
|--------------|----------|---------------------------------|
| Contact | Brass | Gold over Nickel MIL-G-45204 |
| Insulation | PTFE | |
| Body | Brass | Gold over Nickel MIL-G-45204 |
| Coupling Nut | Brass | Nickel QQ-N-290 |

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

N Male Right Angle Connector 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.

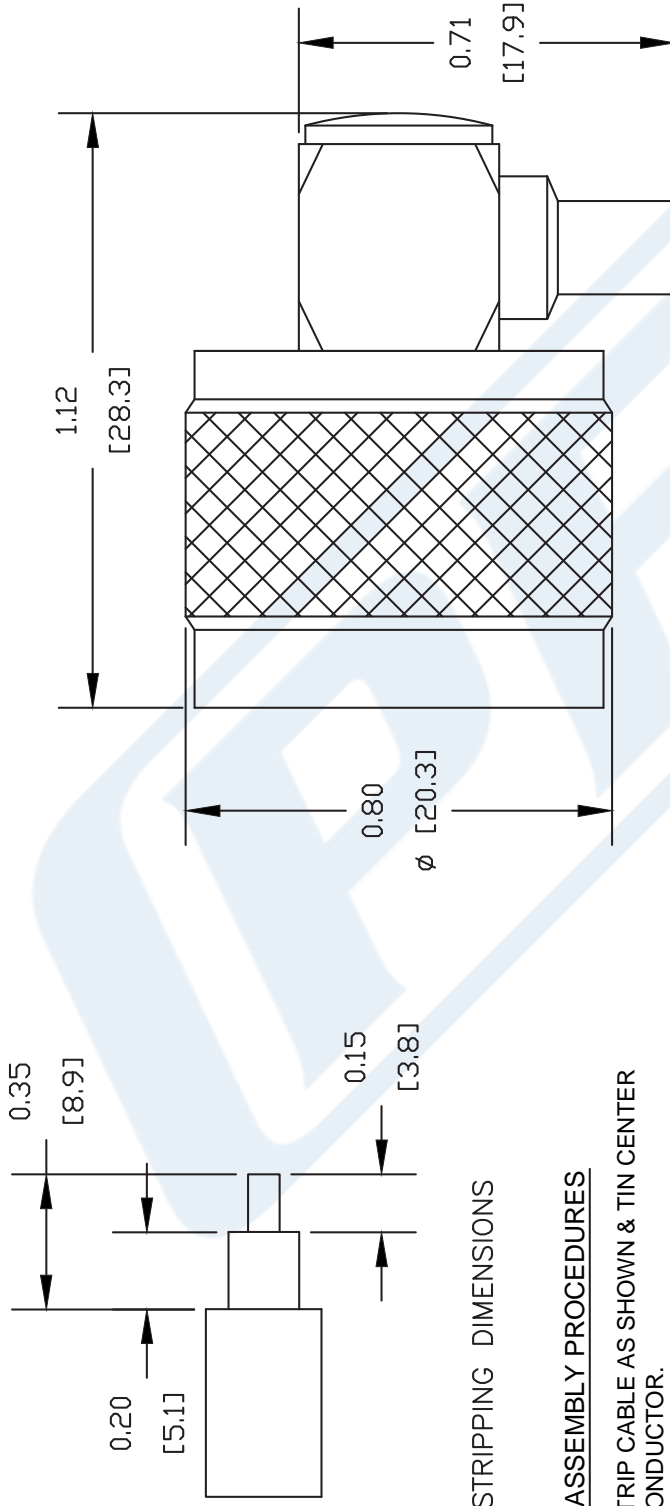
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, RG402 PE4936](#)

URL: <https://www.pasternack.com/n-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4936-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.

PE4936 CAD Drawing

N Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, RG402



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. CENTER CONDUCTOR WILL PROTRUDE INTO CONTACT SLOT.
3. SOLDER CENTER CONDUCTOR IN PLACE. SOLDER OUTER CONDUCTOR TO BODY. SCREW DOWN CAP.

NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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 3. DIMENSIONS ARE IN INCHES [mm].
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE

PE4936

REV. -

FSCM NO. 53919

CAD FILE 042409

SCALE N/A

SIZE A

147

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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 |
|------------------------|-------------|

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 |
|----------------|-----|

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.

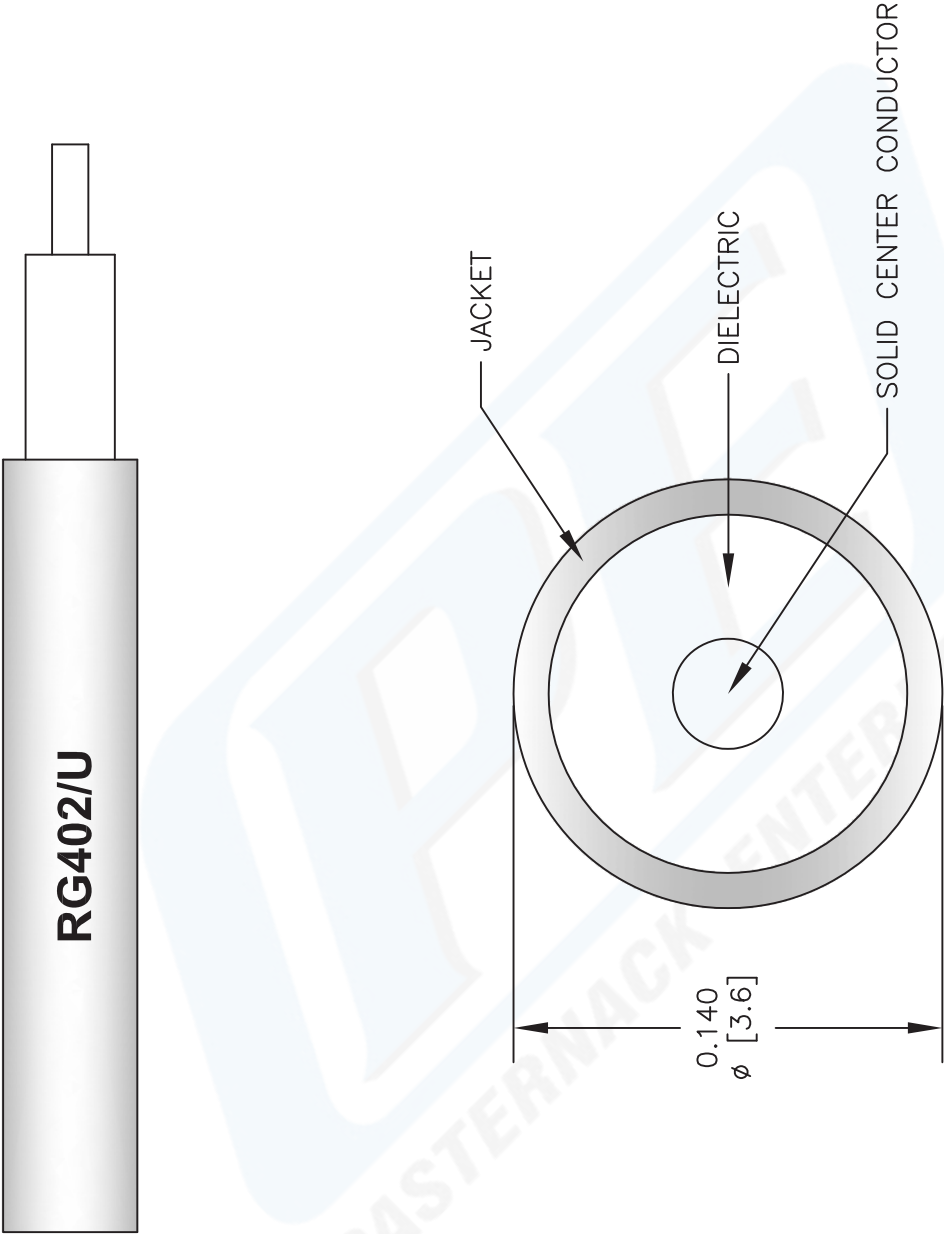
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG402 Coax Cable with Copper Outer Conductor RG402/U](http://www.pasternack.com/semirigid-0.141-rg402-50-ohm-coax-cable-copper-rg402-u-p.aspx)

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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