

## 2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-034SR, .034 Semi-Rigid



### PE51265

#### Configuration

- 2.92mm Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-034SR, .034 Semi-Rigid

#### Features

- Max. Operating Frequency 40 GHz
- Good VSWR of 1.35:1
- Gold over Nickel Plated Beryllium Copper Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE51265 Right Angle, 2.92mm, Standard, Connector is part of our full line of RF components available for same-day shipping. Our 2.92mm male connector operates up to a maximum frequency of 40 GHz and offers good VSWR of 1.35:1. Its right angle body geometry allows for easier connections in tight spaces.

Our 2.92mm male right angle connector PE51265 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      |         | 40      | GHz   |
| VSWR                                 |         |         | 1.35:1  |       |
| Insertion Loss                       |         |         | 0.252   | dB    |
| Operating Voltage (AC)               |         |         | 250     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 750     | Vrms  |
| Inner Conductor DC Resistance        |         |         | 3       | mOhms |
| Outer Conductor DC Resistance        |         |         | 2       | mOhms |
| Insulation Resistance                | 5,000   |         |         | MOhms |
| RF Leakage                           | 100     |         |         | dB    |
| Impedance                            |         | 50      |         | Ohms  |

Electrical Specification Notes:

Insertion loss is =  $0.04 \cdot \sqrt{F(\text{GHz})}$  dB

#### Mechanical Specifications

##### Size

|               |                       |
|---------------|-----------------------|
| Length        | 0.704724 in [17.9 mm] |
| Width         | 0.291339 in [7.4 mm]  |
| Height        | 0.80315 in [20.4 mm]  |
| Weight        | 0.015 lbs [6.8 g]     |
| Mating Cycles | 500 Cycles            |

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### PE51265

|                       |                                        |
|-----------------------|----------------------------------------|
| Mating Torque         | 11.47 to 15 in-lbs [[1.30 to 1.70 Nm]] |
| Cable Retention Force | 4.9 lbs [2.22 kg]                      |

#### Material Specifications

| Description    | Material         | Plating               |
|----------------|------------------|-----------------------|
| Contact        | Beryllium Copper | Gold over Nickel      |
| Insulation     | PPO              |                       |
| Body           | Stainless Steel  | Passivated            |
| Coupling Nut   | Stainless Steel  | Passivated            |
| Retaining Ring | Beryllium Copper | Copper-Tin-Zinc Alloy |
| Gasket         | Silicone         |                       |
| Solder Sleeve  | Brass            | Gold over Nickel      |

#### Environmental Specifications

|                    |                                      |
|--------------------|--------------------------------------|
| <b>Temperature</b> |                                      |
| Operating Range    | -55 to +105 deg C                    |
| Thermal Shock      | MIL-STD-202, Method 107, Condition B |

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

#### Plotted and Other Data

Notes:

2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-034SR, .034 Semi-Rigid 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: [2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-034SR, .034 Semi-Rigid PE51265](#)

URL: <https://www.pasternack.com/2.92mm-male-pe-034sr-.034-semi-rigid-connector-pe51265-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-034SR, .034 Semi-Rigid

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## SSMA Female Connector Solder Attachment For PE-034SR

### TECHNICAL DATA SHEET

PE44424

#### SSMA Female Connector Solder Attachment For PE-034SR

##### Configuration

|                                          |               |
|------------------------------------------|---------------|
| Connector                                | SSMA Female   |
| Connector Interface Type                 | PE-034SR      |
| Cable Attachment Method (Shield/Contact) | Solder/Solder |
| Body Style                               | Straight      |

##### Electrical Specifications

|                 |    |
|-----------------|----|
| Impedance, Ohms | 50 |
|-----------------|----|

##### Mechanical Specifications

###### Size

|                     |              |
|---------------------|--------------|
| Length, in [mm]     | 0.5 [12.7]   |
| Width/Dia., in [mm] | 0.188 [4.78] |
| Weight, lbs [g]     | 0.004 [1.81] |

###### Connector

|                              |             |
|------------------------------|-------------|
| Type                         | SSMA Female |
| Contact Material and Plating | Gold        |
| Body Material and Plating    | Brass, Gold |

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

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

##### Plotted and Other Data

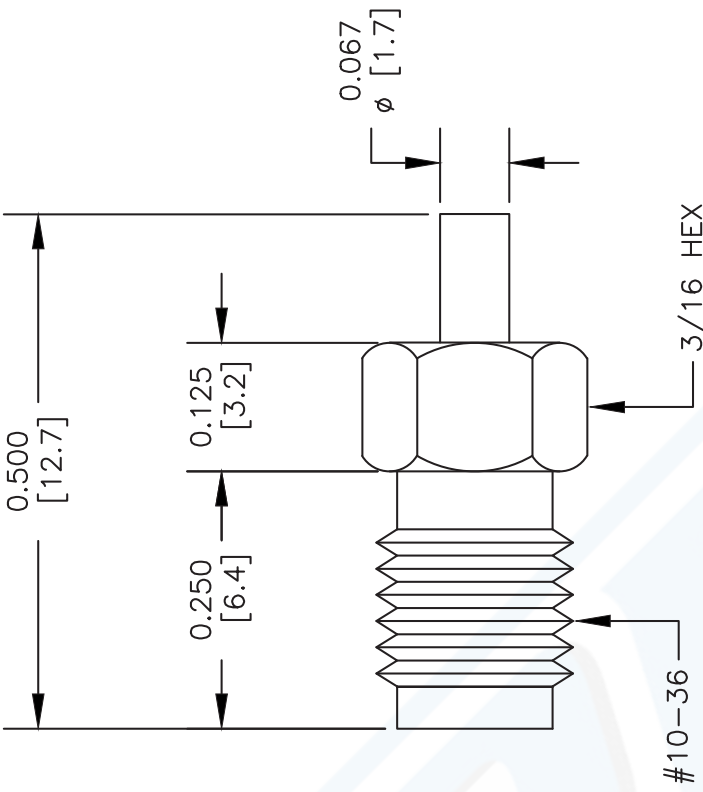
|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

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STRIPPING DIMENSIONS  
ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR & DIELECTRIC.
2. SLIDE CABLE THROUGH BODY. SOFT SOLDER CONTACT TO CENTER CONDUCTOR. DO NOT OVER HEAT DIELECTRIC.
3. USING ASSEMBLY TOOL, PRESS CONTACT FULLY INTO INSULATOR. SOLDER OUTER CONDUCTOR TO BODY.

**PE PASTERNAK®**  
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DWG TITLE  
**PE44424**

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.

FSCM NO. 53919

CAD FILE 031804

SCALE N/A

SIZE A

127

## 034 Semi-rigid Coax Cable with Copper Outer Conductor

### TECHNICAL DATA SHEET

PE-034SR

#### 034 Semi-rigid 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 | 40    |
| Maximum Operating Voltage, Volts | 2,000 |

##### Electrical Specifications by Frequency

###### Frequency 1

|                                 |             |
|---------------------------------|-------------|
| Frequency, MHz                  | 1000        |
| Attenuation, dB/100ft [dB/100m] | 60 [196.85] |
| Power Handling, Watts           | 10          |

###### Frequency 2

|                                 |              |
|---------------------------------|--------------|
| Frequency, GHz                  | 10           |
| Attenuation, dB/100ft [dB/100m] | 190 [623.36] |
| Power Handling, Watts           | 3.1          |

###### Frequency 3

|                                 |              |
|---------------------------------|--------------|
| Frequency, GHz                  | 20           |
| Attenuation, dB/100ft [dB/100m] | 280 [918.64] |
| Power Handling, Watts           | 2            |

##### Mechanical Specifications

###### Temperature

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -55 to +100 |
|------------------------|-------------|

###### Inner Conductor

|                   |                   |
|-------------------|-------------------|
| Number of Strands | 1                 |
| Material          | Copper Clad Steel |
| Plating           | Silver            |
| Diameter, in [mm] | 0.008 [0.2]       |

###### Dielectric:

|                   |              |
|-------------------|--------------|
| Type              | PTFE         |
| Diameter, in [mm] | 0.026 [0.66] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [034 Semi-rigid Coax Cable with Copper Outer Conductor PE-034SR](#)

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## 034 Semi-rigid Coax Cable with Copper Outer Conductor

## TECHNICAL DATA SHEET

PE-034SR

**Shield:**

|                   |              |
|-------------------|--------------|
| Number of         | 1            |
| Material 1        | Copper       |
| Diameter, in [mm] | 0.034 [0.86] |

**Jacket:**

|                                       |            |
|---------------------------------------|------------|
| Color                                 | Tan        |
| One Time Minimum Bend Radius, in [mm] | 0.5 [12.7] |
| Weight, lbs/ft [Kg/m]                 | 0.002 [0]  |

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

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

**Plotted and Other Data**

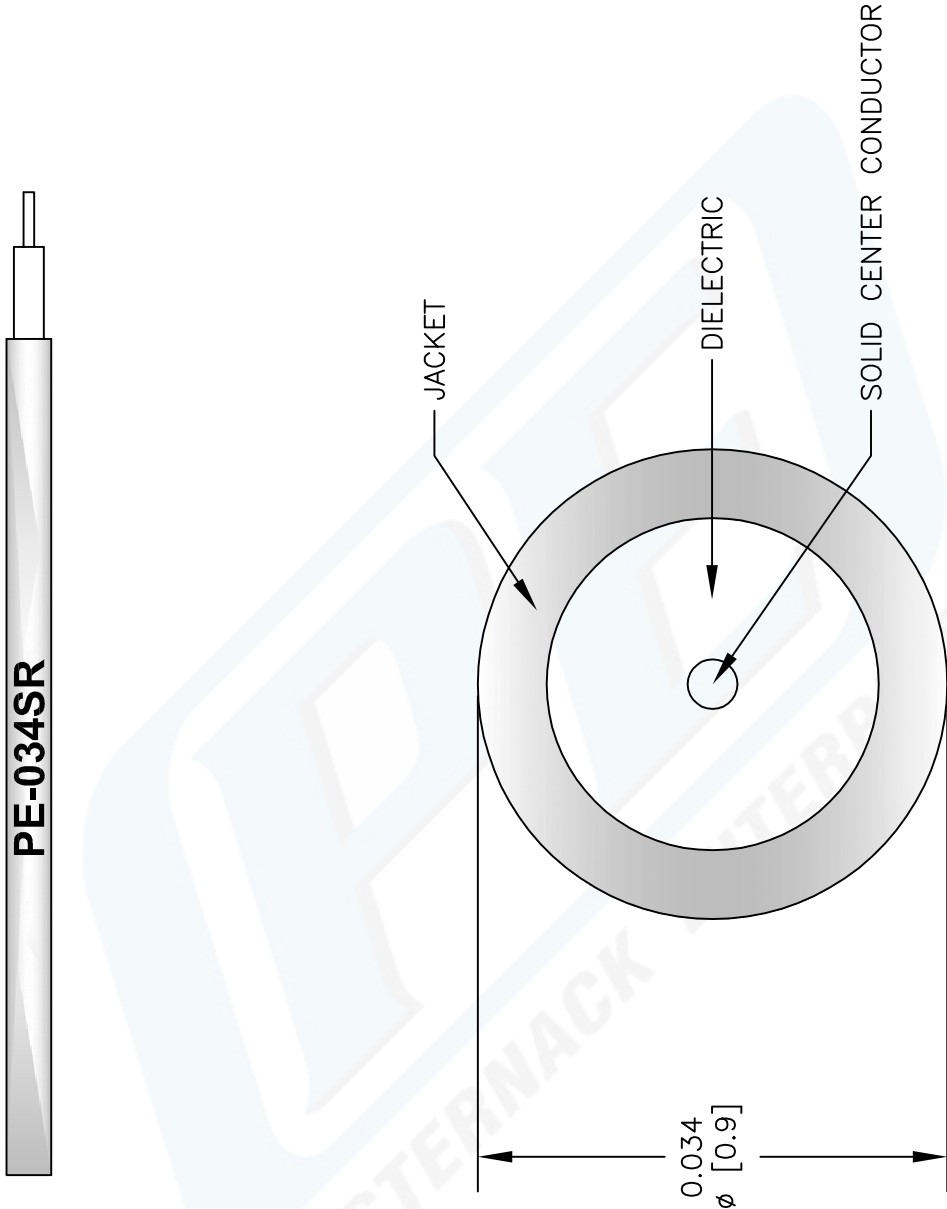
|        |                            |
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URL: <http://www.pasternack.com/semirigid-0.034-50-ohm-coax-cable-copper-pe-034sr-p.aspx>

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|           |  |                |
|-----------|--|----------------|
| DWG TITLE |  | FSCM NO. 53919 |
| PE-034SR  |  |                |



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