# 2.92mm Female Connector Clamp/Solder Attachment 2 Hole Flange Mount for PE-034SR, .034 Semi-Rigid

## PE51267

### Configuration

- 2.92mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-034SR, .034 Semi-Rigid
- 2 Hole Flange

### Features

- Max. Operating Frequency 40 GHz
- Excellent VSWR of 1.25:1
- Gold over Nickel Plated Beryllium Copper Contact

### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

### Description

Pasternack's PE51267 , 2.92mm, Standard, Connector is part of our full line of RF components available for same-day shipping. Our 2.92mm female connector operates up to a maximum frequency of 40 GHz and offers excellent VSWR of 1.25:1. This 2.92mm 2 hole flange connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our 2.92mm female 2 hole flange connector PE51267 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 | | | 1.25:1 | |
| 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*SQRT(F(GHz) dB

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 0.244094 in [6.2 mm] |
| Width | 0.244094 in [6.2 mm] |


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# 2.92mm Female Connector Clamp/Solder Attachment 2 Hole Flange Mount for PE-034SR, .034 Semi-Rigid

## PE51267

| | |
|---|---|
| Height | 0.606299 in [15.4 mm] |
| Weight | 0.015 lbs [6.8 g] |
| Mating Cycles | 500 Cycles |
| 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 |
| Solder Sleeve | Brass | Gold over Nickel |

### Environmental Specifications

**Temperature**

| | |
|---|---|
| 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 Female Connector Clamp/Solder Attachment 2 Hole Flange Mount 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 Female Connector Clamp/Solder Attachment 2 Hole Flange Mount for PE-034SR, .034 Semi-Rigid PE51267

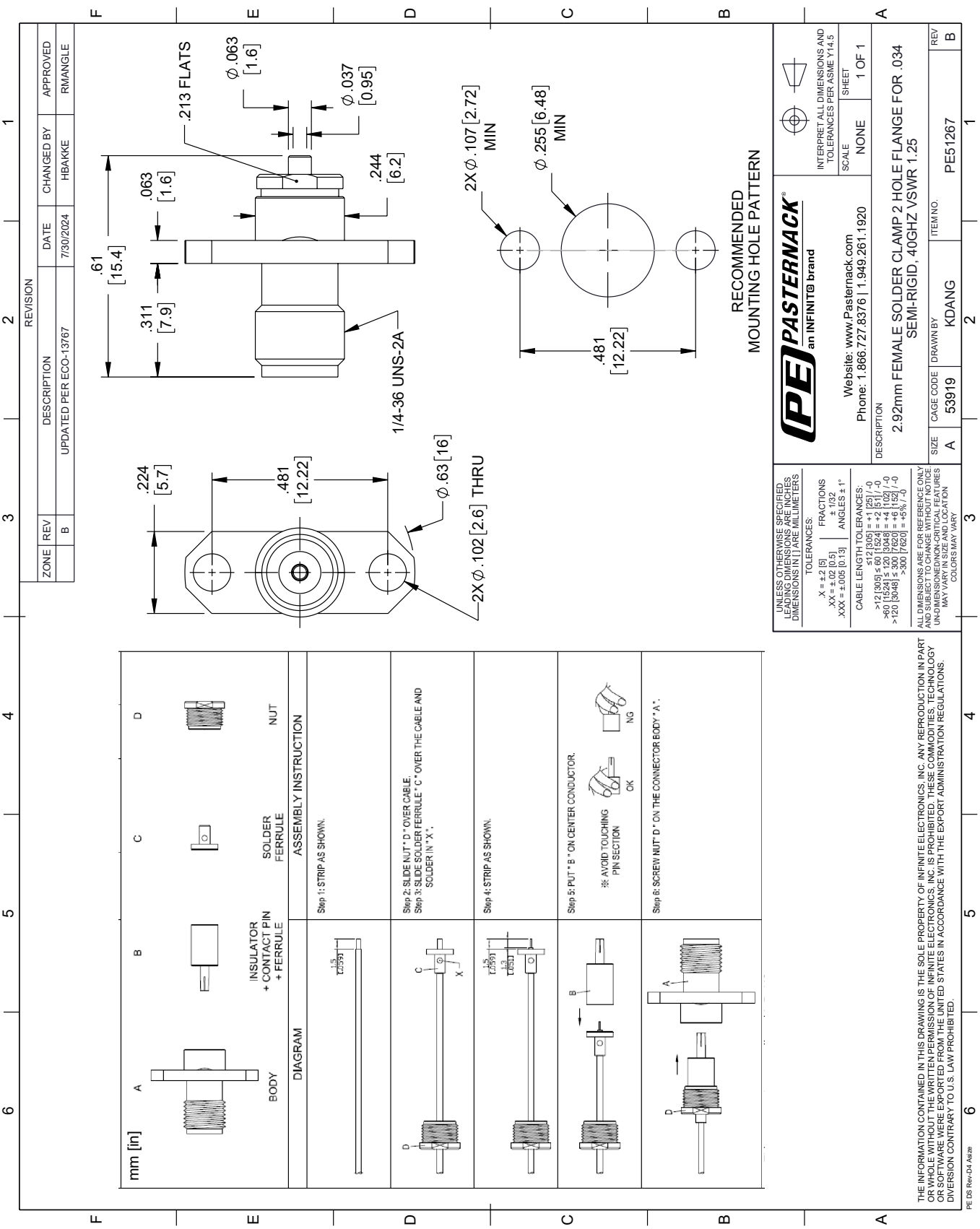
URL: https://www.pasternack.com/2.92mm-female-pe-034sr-.034-semi-rigid-connector-pe51267-p.aspx

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# PE51267 CAD Drawing

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**Temperature**

| | |
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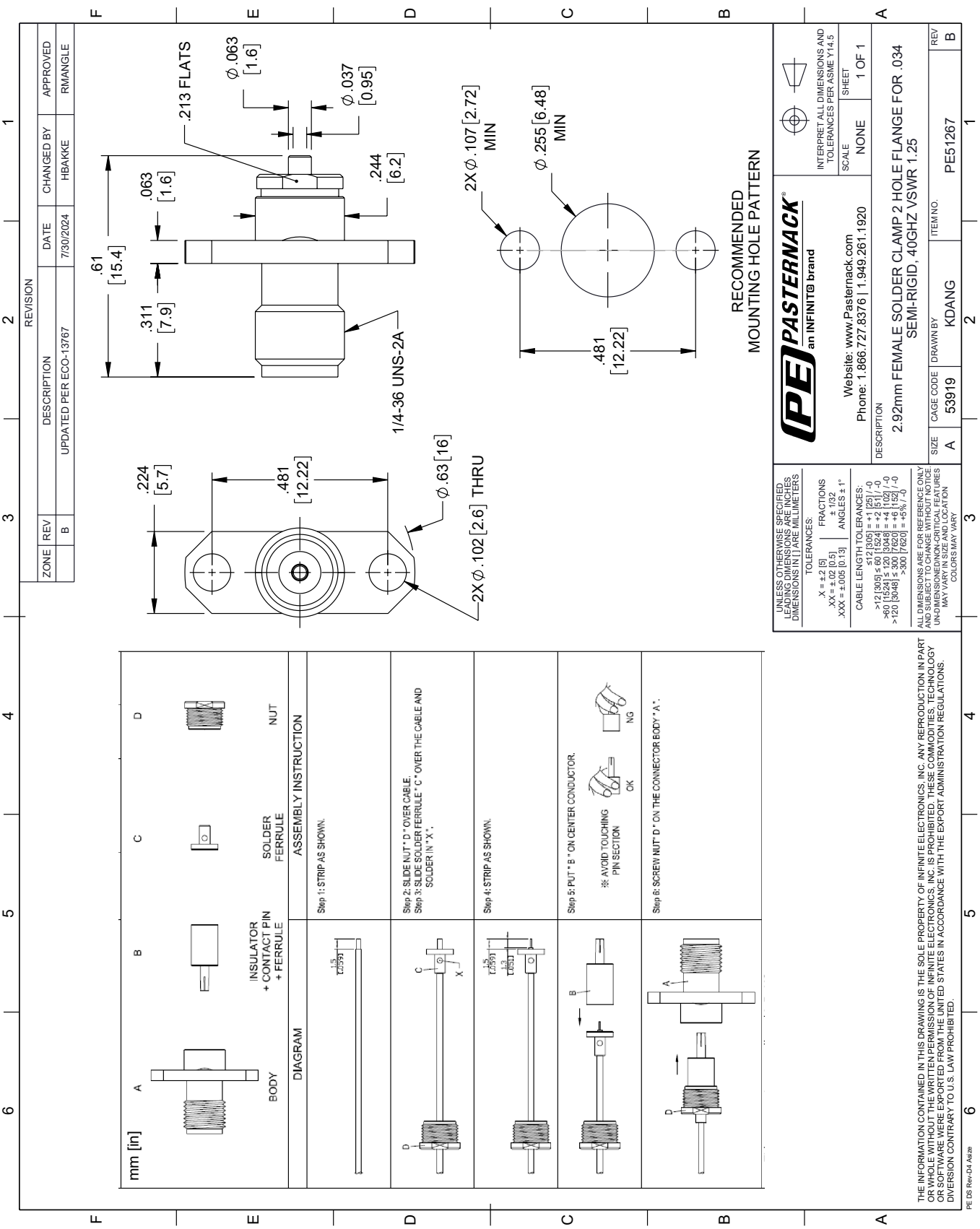
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# PE51267 CAD Drawing

2.92mm Female Connector Clamp/Solder Attachment 2 Hole Flange Mount for PE-034SR, .034 Semi-Rigid






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www.pasternack.com

# 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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Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
**Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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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 for current document)

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

**Plotted and Other Data**

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

034 Semi-rigid 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: 034 Semi-rigid Coax Cable with Copper Outer Conductor PE-034SR

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

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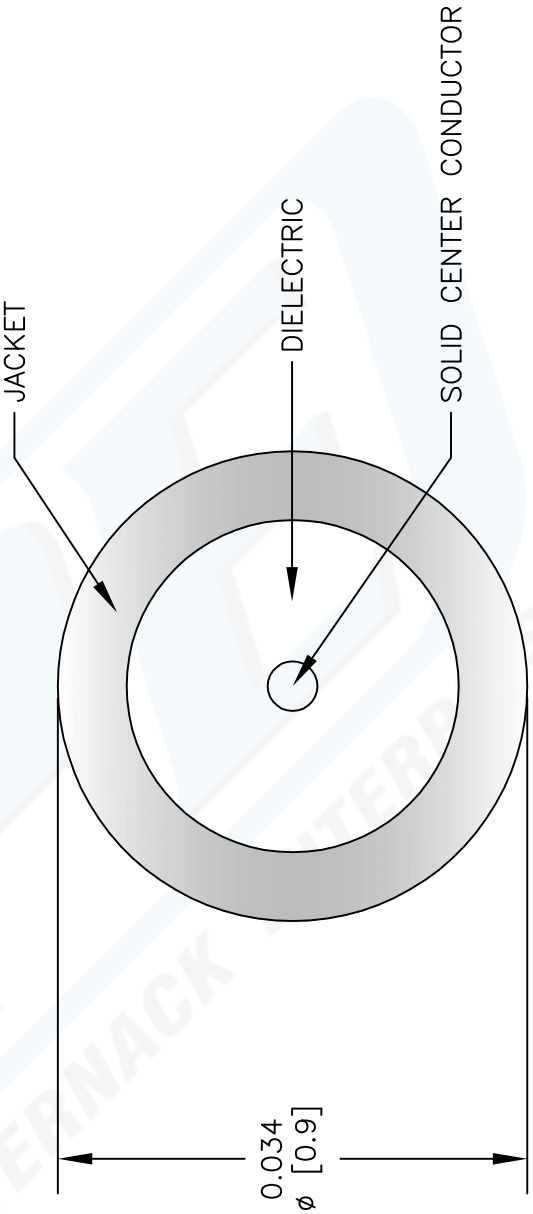
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# PE-034SR CAD Drawing

034 Semi-rigid Coax Cable with Copper Outer Conductor




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 **PE-034SR**

REV. A | FSCM NO. 53919 | CAD FILE 022808-A | SCALE N/A | SIZE A | 147

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