

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



PE51263

Configuration

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

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51263, 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 excellent VSWR of 1.25:1.

Our 2.92mm male connector PE51263 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 = $0.04 * \text{SQRT}(F(\text{GHz})) \text{ dB}$

Mechanical Specifications

Size

Length	0.291339 in [7.4 mm]
Width	0.291339 in [7.4 mm]
Height	0.629921 in [16 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]]

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



PE51263

Cable Retention Force	4.9 lbs [2.22 kg]
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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	Stainless Steel	Passivated

Environmental Specifications

Temperature

Operating Range
Thermal Shock

-55 to +105 deg C
MIL-STD-202, Method 107, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

2.92mm Male 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.

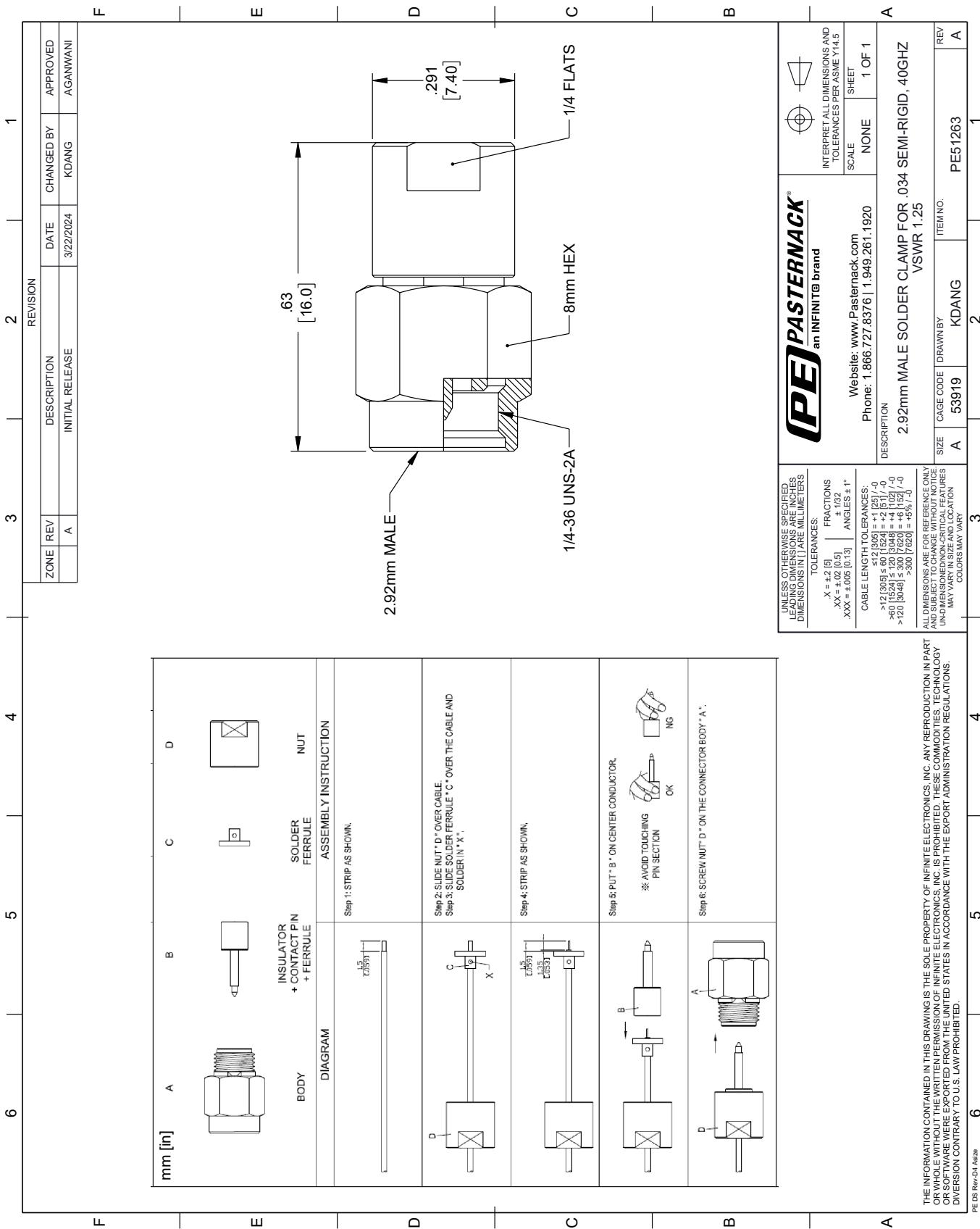
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Connector Clamp/Solder Attachment for PE-034SR, .034 Semi-Rigid PE51263](#)

URL: <https://www.pasternack.com/2.92mm-male-pe-034sr-.034-semi-rigid-connector-pe51263-p.aspx>

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PE51263 CAD Drawing

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



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PE DS Rev-D4 As26

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Operating Range
Thermal Shock

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MIL-STD-202, Method 107, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

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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
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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 for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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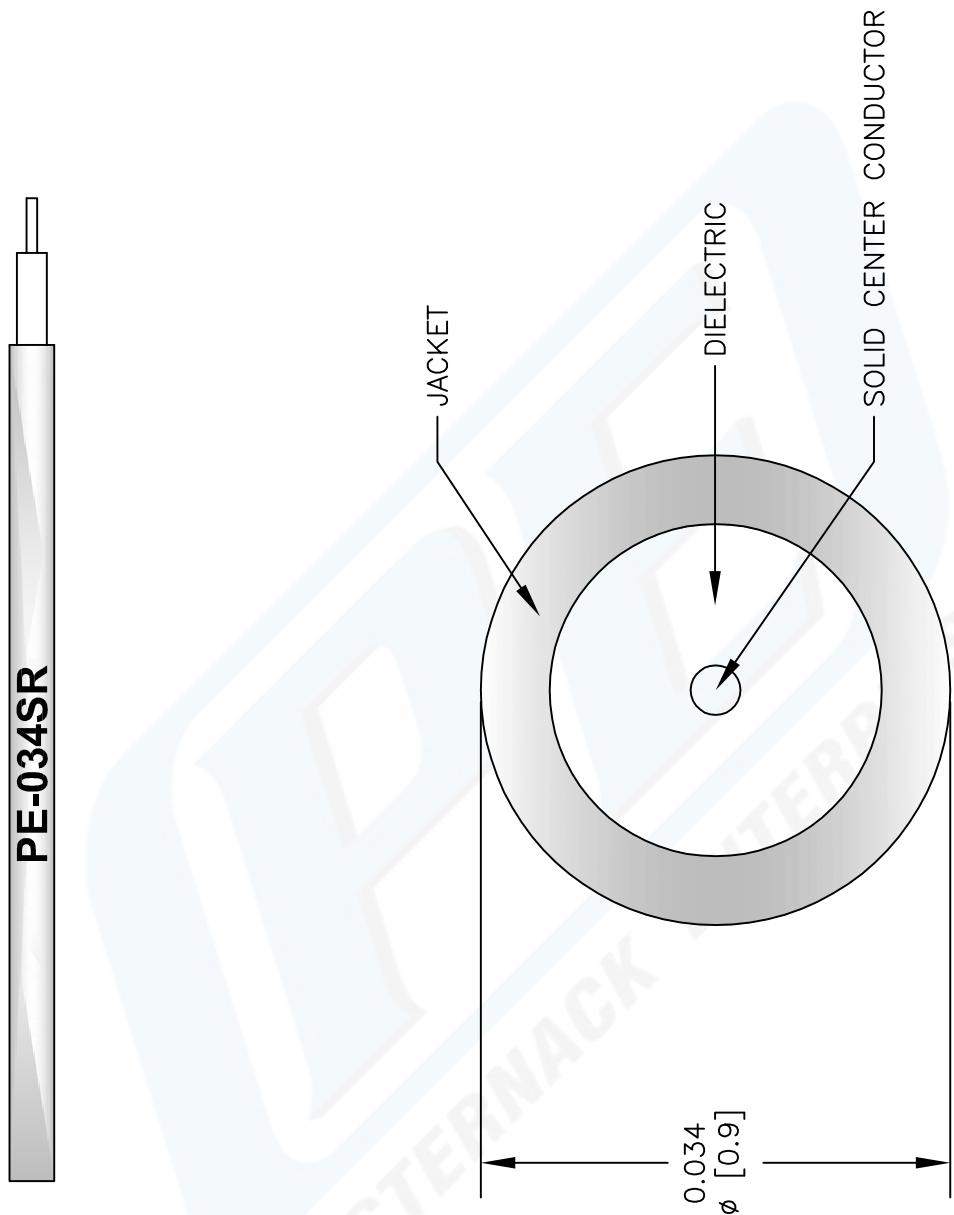
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PE-034SR CAD Drawing

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				
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