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



PE51264

Configuration

- 2.92mm Female 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 PE51264 2.92mm Female Connector Clamp/Solder Attachment for PE-034SR and .034 Semi-Rigid Cable 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.

Our 2.92mm female connector PE51264 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	0.291339 in [7.4 mm]
Width	0.291339 in [7.4 mm]
Height	0.540945 in [13.74 mm]
Weight	0.015 lbs [6.8 g]
Mating Cycles	500 Cycles

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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	Stainless Steel	Passivated

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 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 for PE-034SR, .034 Semi-Rigid PE51264

URL: https://www.pasternack.com/2.92mm-female-pe-034sr-.034-semi-rigid-connector-pe51264.html

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 impliment 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.

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PE51264 CAD Drawing

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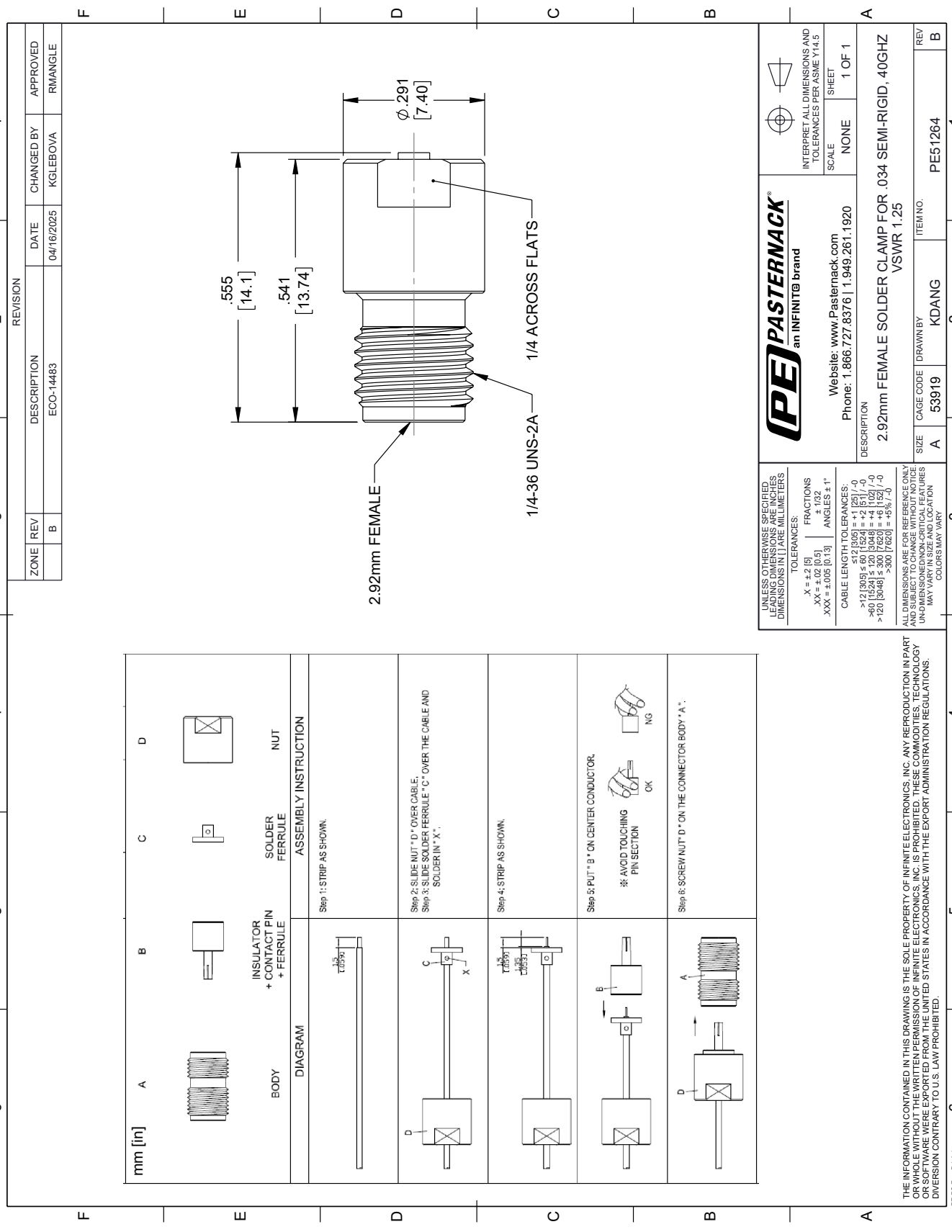

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