

2.92mm Female Connector 30 Degree Angle Solderless  
PCB Mount 2 Hole 40GHz VSWR 1.25, Through Hole



**PE45920**

**Configuration**

- 2.92mm Female Connector
- 50 Ohms
- 30 Degree Body Geometry
- 2 Hole Flange

**Features**

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

**Applications**

- General Purpose Test
- Rack and Panel Mount Applications
- PCB Applications

**Description**

Pasternack's PE45920 30 Degree, 2.92mm, Standard, connector with attachment for PCB 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 30 degree 2 hole flange connector PE45920 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

**Mechanical Specifications**

**Size**

- Length 0.71 in [18.03 mm]
- Width 0.43 in [10.92 mm]
- Height 0.43 in [10.92 mm]
- Weight 0.01 lbs [4.54 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
Outer Conductor	Beryllium Copper	Gold
Body	Beryllium Copper	Gold

**Environmental Specifications**

<b>Temperature</b>	
Operating Range	-40 to +85 deg C
Humidity	MIL-STD-202, Method 206
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

**Plotted and Other Data**

Notes:

2.92mm Female Connector 30 Degree Angle Solderless PCB Mount 2 Hole 40GHz VSWR 1.25, Through Hole 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 30 Degree Angle Solderless PCB Mount 2 Hole 40GHz VSWR 1.25, Through Hole PE45920](#)

URL: <https://www.pasternack.com/2.92mm-female-pcb-connector-pe45920-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.

# PE45920 CAD Drawing

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