

## 2.92mm Female Connector Solder Attachment for 0.118 Semi-Rigid Coax Cable



### PE51747

#### Configuration

- 2.92mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: 0.118 Semi-Rigid Coax Cable

#### Features

- Max. Operating Frequency 40 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE51747, 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 1.2:1.

Our 2.92mm female connector PE51747 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			1.2:1	
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
RF Leakage	100			dB
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

Length	0.507 in [12.88 mm]
Width	0.315 in [8 mm]
Height	0.315 in [8 mm]
Weight	0.015 lbs [6.8 g]
Mating Cycles	500 Cycles

## 2.92mm Female Connector Solder Attachment for 0.118 Semi-Rigid Coax Cable



**PE51747**

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PPO	
Body	Stainless Steel	Passivated

### Environmental Specifications

#### Temperature

Operating Range

-40 to +105 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:

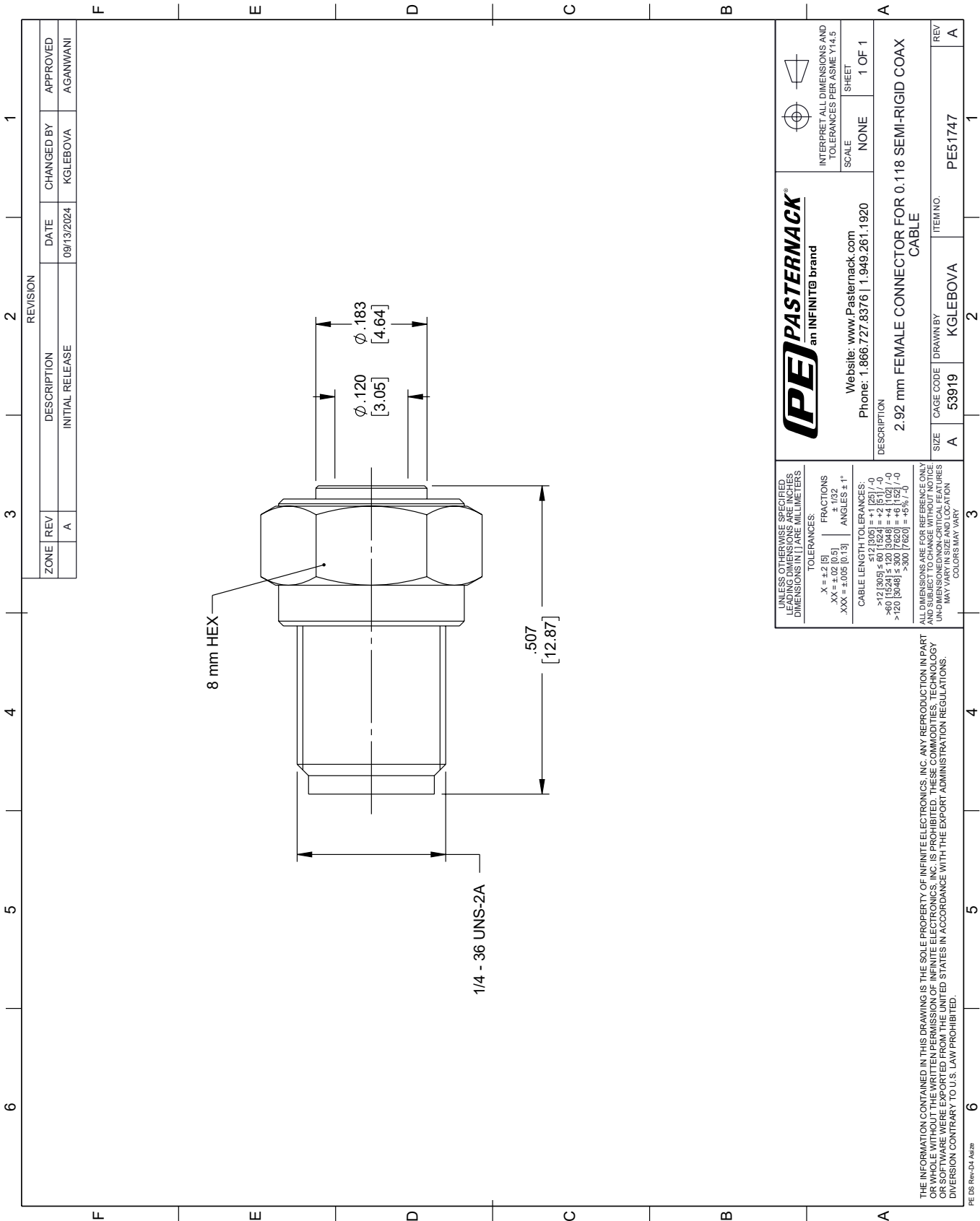
2.92mm Female Connector Solder Attachment for 0.118 Semi-Rigid Coax Cable from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 Solder Attachment for 0.118 Semi-Rigid Coax Cable PE51747](#)

URL: <https://www.pasternack.com/2.92mm-female-0.118-semi-rigid-coax-cable-connector-pe51747.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 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.

PE51747 CAD Drawing
2.92mm Female Connector Solder Attachment for 0.118 Semi-Rigid Coax Cable



<b>UNLESS OTHERWISE SPECIFIED</b> ALL DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		<b>PE PASTERNAK</b> an INFINITE® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a>		SCALE: NONE	
X = ±.2 [5]		Phone: 1.866.727.8376   1.949.261.1920		SHEET 1 OF 1	
.XX = ±.02 [0.5]		DESCRIPTION		2.92 mm FEMALE CONNECTOR FOR 0.118 SEMI-RIGID COAX CABLE	
.XXX = ±.005 [0.13]		CABLE LENGTH TOLERANCES:		SIZE A	
ANGLES ± 1°		>12 [305] ≤ 60 [1524] = ±.125 [-0]		CAGE CODE	
CABLE LENGTH TOLERANCES:		>60 [1524] ≤ 120 [3048] = ±.125 [-0]		53919	
>120 [3048] ≤ 300 [7620] = ±.125 [-0]		>300 [7620] = ±.125 [-0]		DRAWN BY	
ALL DIMENSIONS ARE FOR REFERENCE ONLY		UNLESS OTHERWISE SPECIFIED		KGLEBOVA	
ALL DIMENSIONS ARE FOR REFERENCE ONLY		UNLESS OTHERWISE SPECIFIED		ITEM NO.	
ALL DIMENSIONS ARE FOR REFERENCE ONLY		UNLESS OTHERWISE SPECIFIED		PE51747	
ALL DIMENSIONS ARE FOR REFERENCE ONLY		UNLESS OTHERWISE SPECIFIED		REV	
ALL DIMENSIONS ARE FOR REFERENCE ONLY		UNLESS OTHERWISE SPECIFIED		A	