

## 3.5mm Female Connector Solder Attachment 0.068 Inch End Launch PCB, 0.02 Inches Diameter



### PE48060

#### Configuration

- 3.5mm Female Connector
- 50 Ohms

#### Features

- Max. Operating Frequency 34.5 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel Alloy over Copper Plated Beryllium Copper Contact

#### Applications

- General Purpose Test
- PCB Applications

#### Description

Pasternack's PE48060 3.5mm Female Connector Solder Attachment for 0.068 Inch End Launch, is part of our full line of RF components available for same-day shipping. Our 3.5mm female connector operates up to a maximum frequency of 34.5 GHz and offers excellent VSWR of 1.2:1.

Our 3.5mm female connector PE48060 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		34.5	GHz
VSWR			1.2:1	
Insertion Loss		0.176		dB
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	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	0.561 in [14.25 mm]
Width	0.375 in [9.53 mm]
Height	0.312 in [7.92 mm]
Weight	0.005 lbs [2.27 g]
Mating Cycles	500 Cycles
Mating Torque	7.1 to 9.7 in-lbs [0.80 to 1.10 Nm]

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### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel Alloy over Copper
Insulation	PEI	
Body	Brass	Gold over Nickel Alloy over Copper
Crimp Sleeve	Brass	Gold over Nickel Alloy over Copper

### Environmental Specifications

#### Temperature

Operating Range

-55 to +165 deg C

Humidity

MIL-STD-202, Method 106

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:

3.5mm Female Connector Solder Attachment 0.068 Inch End Launch PCB, 0.02 Inches Diameter 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: [3.5mm Female Connector Solder Attachment 0.068 Inch End Launch PCB, 0.02 Inches Diameter PE48060](#)

URL: <https://www.pasternack.com/3.5mm-female-0.068-end-launch-pcb-connector-pe48060.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.

# PE48060 CAD Drawing

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