



## Mini SMP Male Full Detent Connector Solder Attachment Edge Launch PCB

### RF Connectors Technical Data Sheet

PE44969

#### Configuration

- Full Detent Mini SMP Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Edge Launch Interface Type
- Solder Attachment

#### Features

- Max. Operating Frequency 40 GHz
- Good VSWR of 1.35:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Blind Mate Connector

#### Applications

- General Purpose Test
- Space Saving for PCB Applications

#### Description

Pasternack's PE44969 Mini SMP male full detent connector with solder attachment for edge launch PCB is part of our full line of RF components available for same-day shipping. Our Mini SMP male connector operates up to a maximum frequency of 40 GHz and offers good VSWR of 1.35:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated.

Our Mini SMP male connector PE44969 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			1.35:1	

#### Mechanical Specifications

##### Size

Length	0.23 in [5.84 mm]
Width/Dia.	0.176 in [4.47 mm]
Height	0.138 in [3.51 mm]
Weight	0.0084 lbs [3.81 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP Male Full Detent Connector Solder Attachment Edge Launch PCB PE44969](#)



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**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE	
Body	Beryllium Copper	Gold MIL-G-45204

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

Mini SMP Male Full Detent Connector Solder Attachment Edge Launch PCB from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

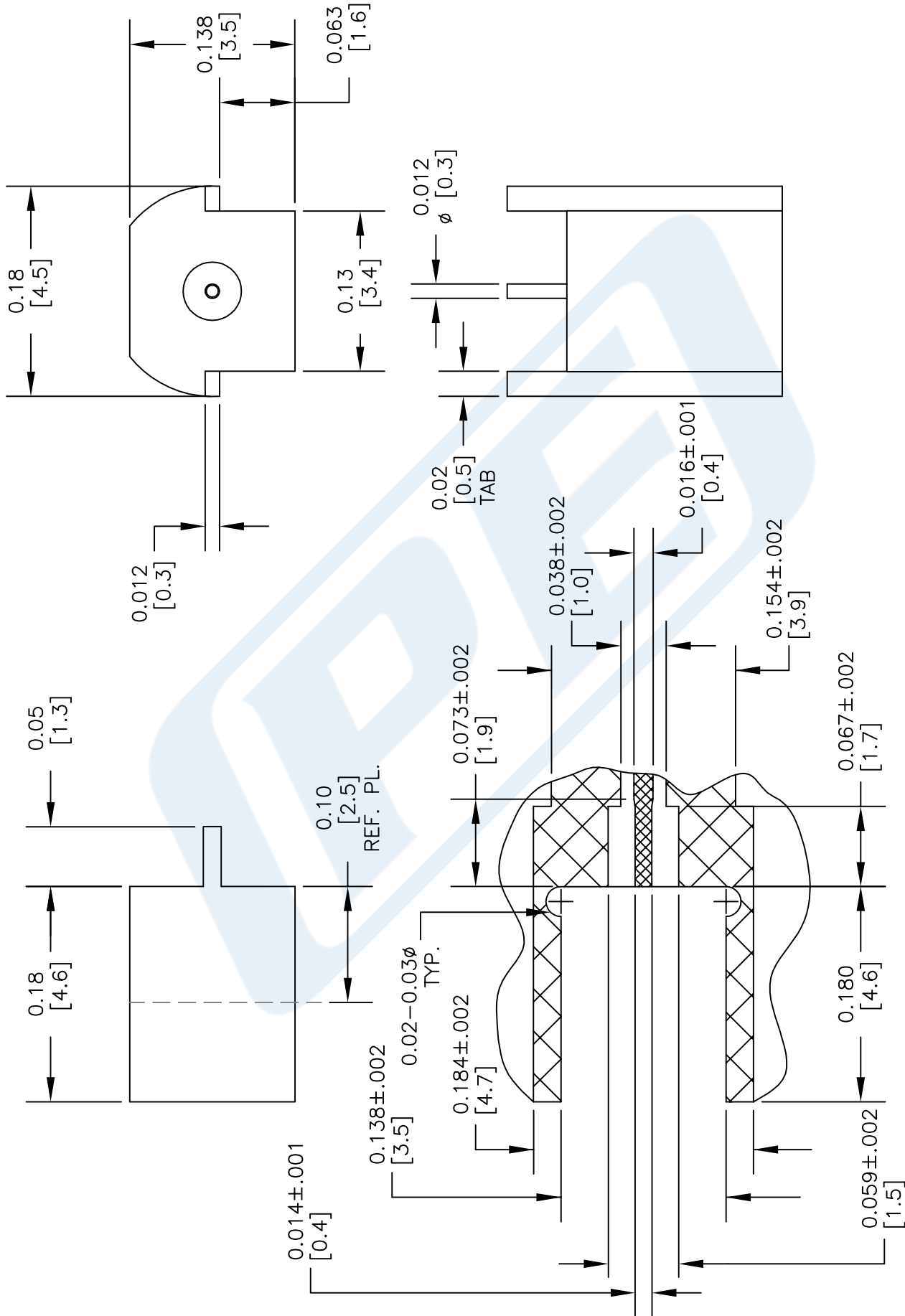
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP Male Full Detent Connector Solder Attachment Edge Launch PCB PE44969](#)

URL: <https://www.pasternack.com/mini-smp-male-full-detent-edge-launch-pcb-connector-pe44969-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE44969 CAD Drawing

Mini SMP Male Full Detent Connector Solder Attachment Edge Launch PCB



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

**PE44969**

FSCM NO. 53919

CAD FILE 101514

SCALE N/A

SIZE A

150

**PE PASTERNAK®**  
 THE ENGINEER'S RF SOURCE

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