



SMP Male Limited Detent Connector Solder Attachment  
Thru Hole PCB, .100 inch x .031 inch Hole Spacing

RF Connectors  
Technical Data Sheet

PE44348

**Configuration**

- Limited Detent SMP Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Thru Hole Interface Type
- Solder Attachment

**Features**

- Max. Operating Frequency 18 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30  $\mu$ m minimum contact plating
- Blind Mate Connector

**Applications**

- General Purpose Test
- PCB Applications

**Description**

Pasternack's PE44348 SMP male limited detent connector with solder attachment for Thru Hole PCB (.100 inch x .031 inch hole spacing) is part of our full line of RF components available for same-day shipping. Our SMP male connector operates up to a maximum frequency of 18 GHz and offers good VSWR of 1.3:1. 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 SMP male connector PE44348 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		18	GHz
VSWR			1.3:1	
Operating Voltage (AC)			335	Vrms

**Mechanical Specifications**

<b>Size</b>	
Length	0.291 in [7.39 mm]
Width/Dia.	0.187 in [4.75 mm]
Weight	0.007 lbs [3.18 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Male Limited Detent Connector Solder Attachment Thru Hole PCB, .100 inch x .031 inch Hole Spacing PE44348](#)



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**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Outer Conductor	Brass	Gold
Body	Brass	Gold 3 µin minimum

**Environmental Specifications**

**Temperature**

Operating Range

-65 to +165 deg C

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

**Plotted and Other Data**

Notes:

SMP Male Limited Detent Connector Solder Attachment Thru Hole PCB, .100 inch x .031 inch Hole Spacing 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: [SMP Male Limited Detent Connector Solder Attachment Thru Hole PCB, .100 inch x .031 inch Hole Spacing PE44348](#)

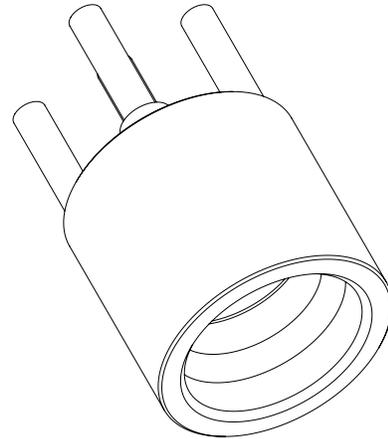
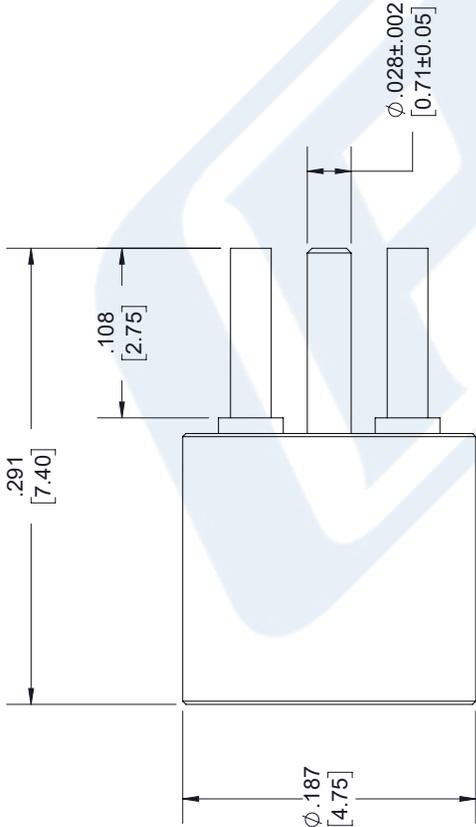
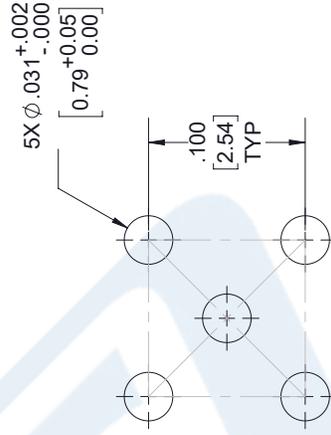
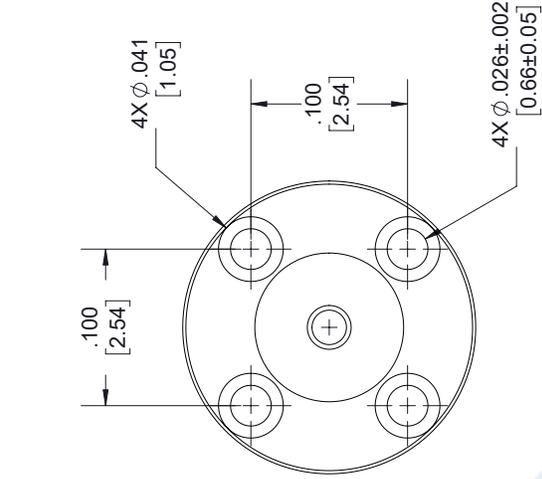
URL: <https://www.pasternack.com/smp-male-standard-thru-hole-pcb-connector-pe44348-p.aspx>

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.

# PE44348 CAD Drawing

SMP Male Limited Detent Connector Solder Attachment Thru Hole PCB, .100 inch x .031 inch Hole Spacing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.1	PCR PE44348 20190618	06/18/19	S.ELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X ± .2 [5.08]	± .132
.XX ± .01 [ .25]	± .005
.XXX ± .005 [ .13]	± .001
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

**PE PASTERNAK**  
 an INFINITO brand

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SHEET 1 OF 1  
 SCALE N/A

SIZE A  
 CAGE DRAWN BY K.DANG  
 PART NUMBER PE44348  
 REV A

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