



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 μ 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

Size

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](#)



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

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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.

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

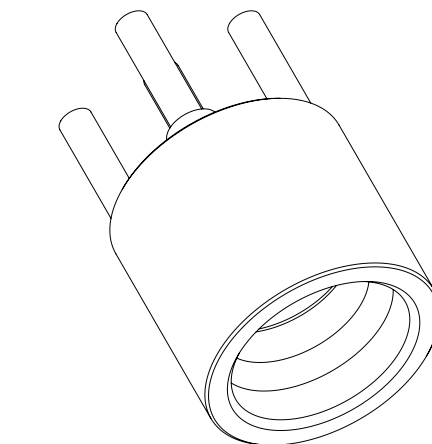
Technical drawing of a circular mechanical part, showing top and side views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall diameter: $\varnothing .291$ [7.40]
- Distance between mounting holes: $4X \varnothing .041$ [1.05]
- Distance between mounting holes (center-to-center): $4X \varnothing .026 \pm .002$ [0.66 \pm 0.05]
- Distance from center to mounting hole center: $.100$ [2.54]

Side View Dimensions:

- Overall height: $\varnothing .187$ [4.75]
- Distance from base to mounting hole center: $.108$ [2.75]
- Distance from base to mounting hole top: $\varnothing .028 \pm .002$ [0.71 \pm 0.05]



MOUNTING HOLE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS			<div><div><div>PE</div></div><div>PASTERNAK</div><div>an INFINITI® brand</div></div> <div>Pasternack Enterprises, Inc. P.O.Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com</div>			THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.		
TOLERANCES: X±.2 [.08] FRACTIONS .XX±.01 [.25] ± 1/32 .XXX±.005 [.13] ANGLES ± 1°			ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			SHEET 1 OF 1		
THIRD-ANGLE PROJECTION 			SCALE N/A			REV A		
			SIZE A			CAGE 53919		
			DRAWN BY K.DANG			PART NUMBER PE4348		

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