



SMP Male Limited Detent Connector Solder  
Attachment Thru Hole PCB, .127 inch Pin Length

RF Connectors Technical Data Sheet

PE44936

**Configuration**

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

**Features**

- Max. Operating Frequency 18 GHz
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Blind Mate Connector

**Applications**

- General Purpose Test
- PCB Applications

**Description**

Pasternack's PE44936 SMP male limited detent connector with solder attachment for thru hole PCB 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. 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 PE44936 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   |

**Mechanical Specifications**

|             |                    |
|-------------|--------------------|
| <b>Size</b> |                    |
| Length      | 0.267 in [6.78 mm] |
| Width/Dia.  | 0.187 in [4.75 mm] |
| Weight      | 0.002 lbs [0.91 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, .127 inch Pin Length PE44936](#)



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**Material Specifications**

| Description | Material         | Plating             |
|-------------|------------------|---------------------|
| Contact     | Beryllium Copper | Gold<br>MIL-G-45204 |
| Insulation  | PEI              |                     |
| Body        | Beryllium Copper | Gold<br>MIL-G-45204 |

**Environmental Specifications**

**Temperature**

Operating Range -55 to +155 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, .127 inch Pin Length 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.

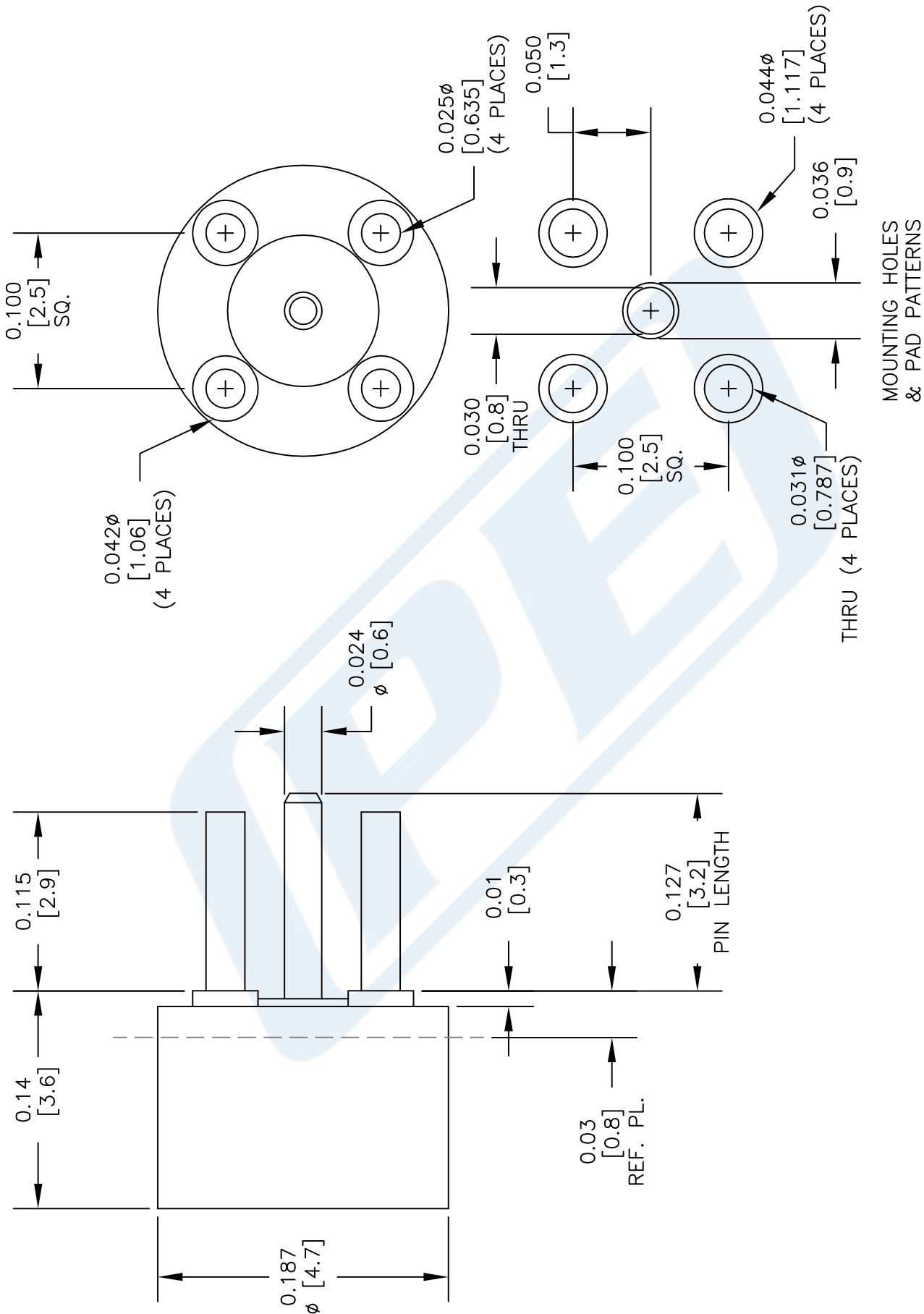
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Male Limited Detent Connector Solder Attachment Thru Hole PCB, .127 inch Pin Length PE44936](#)

URL: <https://www.pasternack.com/smp-male-standard-thru-hole-pcb-connector-pe44936-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.

# PE44936 CAD Drawing

SMP Male Limited Detent Connector Solder Attachment  
Thru Hole PCB, .127 inch Pin Length



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

**PE44936**

FSCM NO. 53919

CAD FILE 103013

SCALE N/A

SIZE A

150

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