



SMB Jack Connector Solder Attachment .042 inch  
 End Launch PCB, .020 inch x .010 inch Contact

## RF Connectors Technical Data Sheet

PE44137

### Configuration

- SMB Jack Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- .042 inch End Launch Interface Type
- Solder Attachment

### Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 30  $\mu$ m minimum contact plating

### Applications

- General Purpose Test
- PCB Applications

### Description

Pasternack's PE44137 SMB jack connector with solder attachment for .042 inch end launch PCB is part of our full line of RF components available for same-day shipping. Our SMB jack connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Our SMB jack connector PE44137 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      |         | 4       | GHz   |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 335     | Vrms  |

### Mechanical Specifications

#### Size

|            |                     |
|------------|---------------------|
| Length     | 0.562 in [14.27 mm] |
| Width/Dia. | 0.375 in [9.53 mm]  |
| Height     | 0.312 in [7.92 mm]  |
| Weight     | 0.004 lbs [1.81 g]  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Jack Connector Solder Attachment .042 inch End Launch PCB, .020 inch x .010 inch Contact PE44137](#)



SMB Jack Connector Solder Attachment .042 inch  
 End Launch PCB, .020 inch x .010 inch Contact

## RF Connectors Technical Data Sheet

PE44137

### Material Specifications

| Description | Material         | Plating                |
|-------------|------------------|------------------------|
| Contact     | Beryllium Copper | Gold<br>30 µin minimum |
| Insulation  | PTFE             |                        |
| Body        | Brass            | Gold<br>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:

SMB Jack Connector Solder Attachment .042 inch End Launch PCB, .020 inch x .010 inch Contact 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: [SMB Jack Connector Solder Attachment .042 inch End Launch PCB, .020 inch x .010 inch Contact PE44137](#)

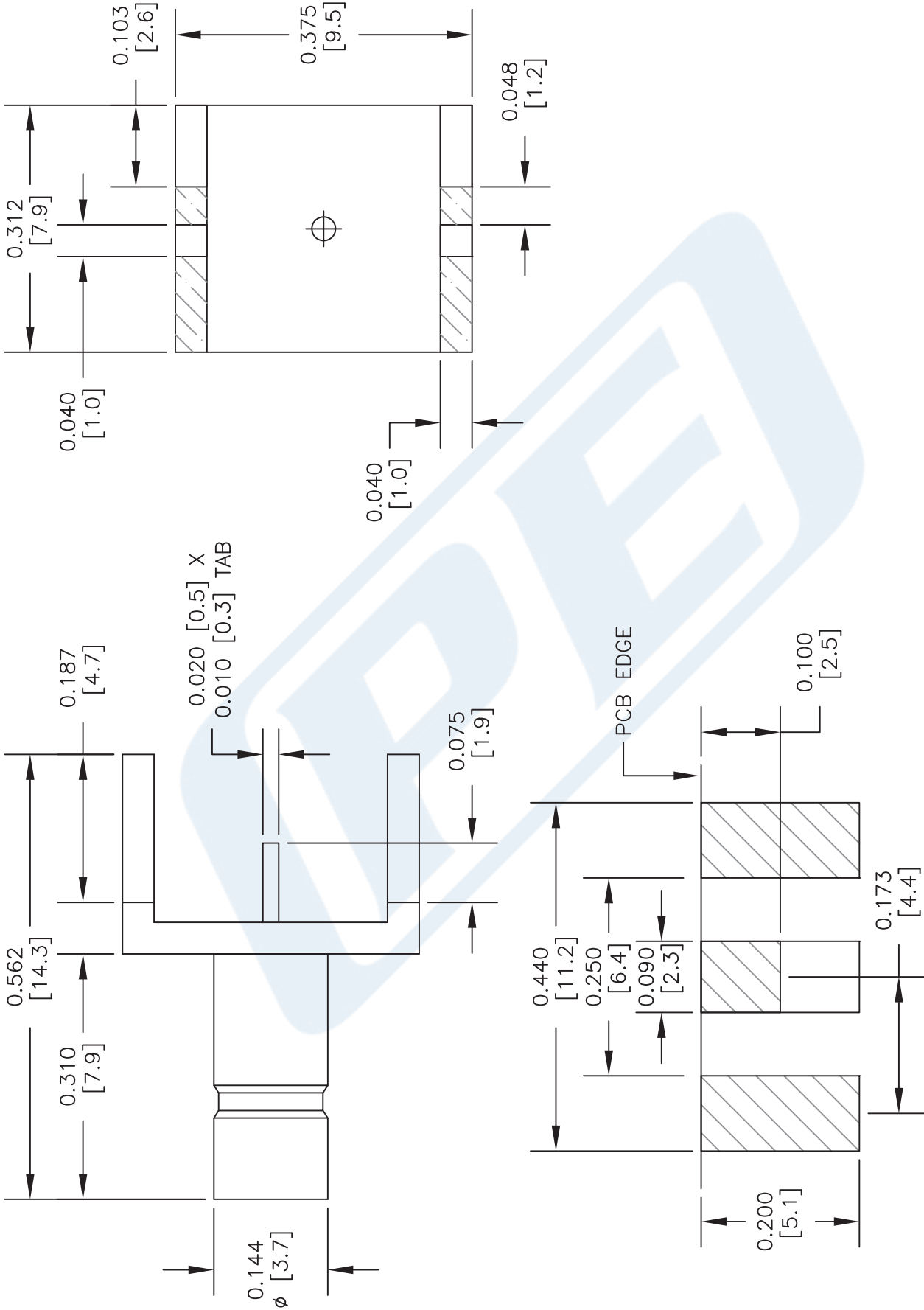
URL: <https://www.pasternack.com/smb-jack-standard-0.042-end-launch-connector-pe44137-p.aspx>

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.

# PE44137 CAD Drawing

SMB Jack Connector Solder Attachment .042 inch End

Launch PCB, .020 inch x .010 inch Contact



DWG TITLE

**PE44137**

- 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].
  4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSCM NO. 53919

CAD FILE

071513

SCALE N/A

SIZE A

2233



Pasternack Enterprises, Inc.  
 P.O. Box 16759 | Irvine | CA | 92623  
 Phone: (949) 261-1920 | Fax: (949) 261-7451  
 Website: www.pasternack.com | E-Mail: sales@pasternack.com