



## SMP Male Limited Detent Connector Solder Attachment End Launch PCB

### RF Connectors Technical Data Sheet

PE44482

#### Configuration

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

#### Features

- Max. Operating Frequency 26.5 GHz
- Good VSWR of 1.33:1
- Gold Plated Brass Contact
- Blind Mate Connector

#### Applications

- General Purpose Test
- PCB Applications

#### Description

Pasternack's PE44482 SMP male limited detent connector with solder attachment for end launch 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 26.5 GHz and offers good VSWR of 1.33:1. 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 PE44482 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		26.5	GHz
VSWR			1.33:1	
Operating Voltage (AC)			335	Vrms
Test Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			6	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6	6 to 18	18 to 26.5			GHz
VSWR, Max	1.11:1	1.23:1	1.33:1			

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 End Launch PCB PE44482](#)



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#### Electrical Specification Notes:

Insertion loss =  $0.05 \times \sqrt{f(\text{GHz})}$  dB max up to 18 GHz.

#### Mechanical Specifications

##### Size

Length	0.291 in [7.39 mm]
Width/Dia.	0.197 in [5.00 mm]
Weight	0.003 lbs [1.36 g]
Mating Cycles	500 Cycles

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Gold

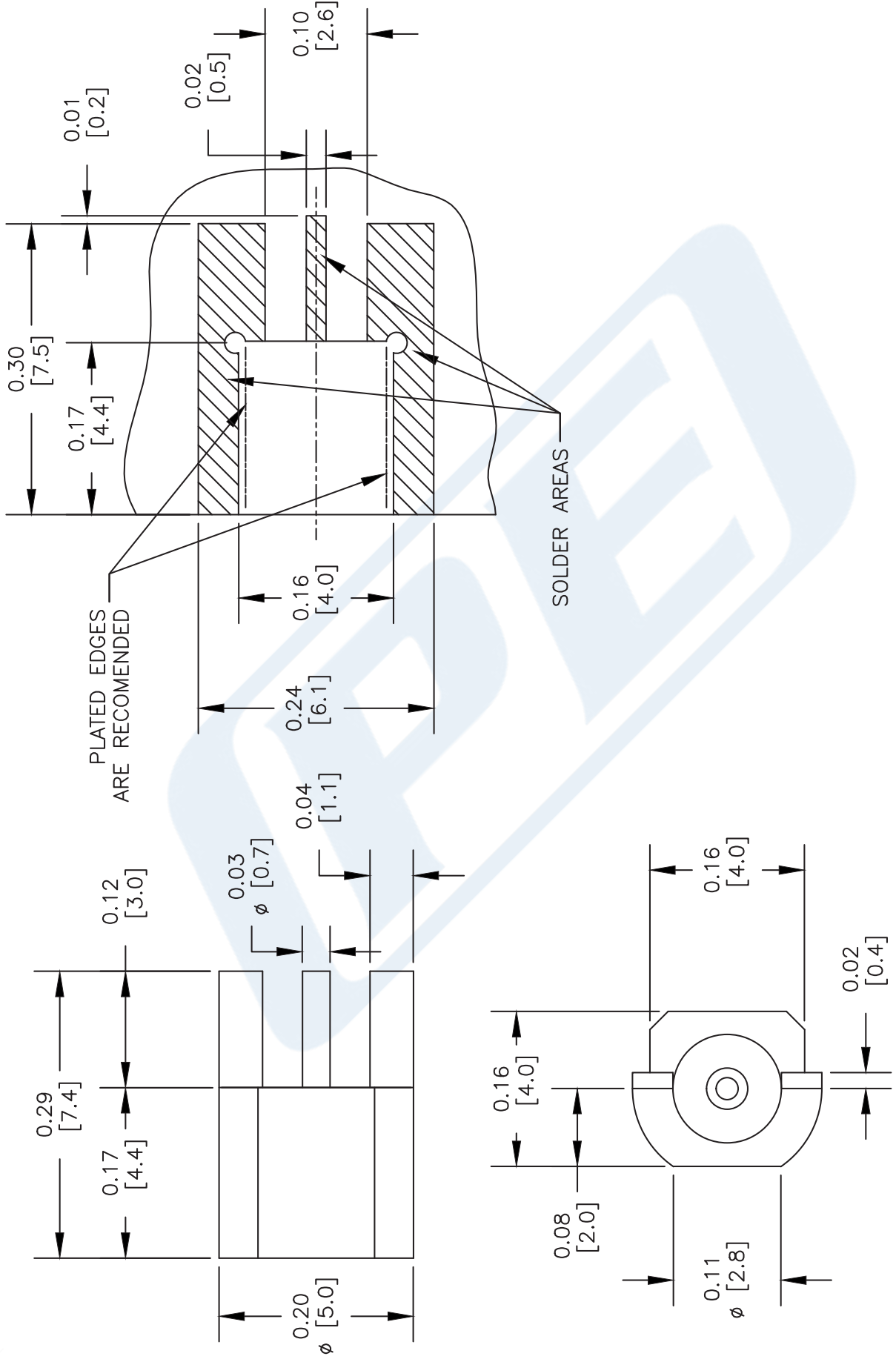
#### Environmental Specifications

##### Temperature

Operating Range	-65 to +155 deg C
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition A
Vibration	MIL-STD-202, Method 204, Condition B
Thermal Shock	MIL-STD-202, Method 107, Condition B

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PE44482



**PE PASTERNAK®**  
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

DWG TITLE  
**PE44482**

REV. A FSCM NO. 53919

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].

CAD FILE 021413-A SCALE N/A SIZE A 2233