

SMP Male Limited Detent Connector Solder Attachment End Launch PCB



PE44482

RF Connectors Technical Data Sheet

Configuration

- Limited Detent SMP Male Connector
- MIL-STD-348A
- 50 Ohms

Features

- Max. Operating Frequency 26.5 GHz
- Good VSWR of 1.33:1

Applications

General Purpose Test

- Straight Body Geometry
- End Launch Interface Type
- Solder Attachment
- Gold Plated Brass Contact
- Blind Mate Connector

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.

PCB Applications

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

F1	F2	F3	F4	F5	Units
DC to 6	6 to 18	18 to 26.5			GHz
1.11:1	1.23:1	1.33:1			
		DC to 6 6 to 18	DC to 6 6 to 18 18 to 26.5	DC to 6 6 to 18 18 to 26.5	DC to 6 6 to 18 18 to 26.5

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

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

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Electrical Specification Notes: Insertion loss = 0.05 x sqrt(fGHz) dB max up to 18 GHz.

Mechanical Specifications

Material Specifications Description	Material	Plating	
Mating Cycles	500 Cy	cles	
Length Width/Dia. Weight	0.197 ir	ı [7.39 mm] ı [5.00 mm] ıs [1.36 g]	

Brass

Body

Environmental Specifications

Temperature Operating Range Humidity Shock Vibration Thermal Shock

-65 to +155 deg C MIL-STD-202, Method 106 MIL-STD-202, Method 213, Condition A MIL-STD-202, Method 204, Condition B MIL-STD-202, Method 107, Condition B

Gold

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Compliance Certifications (see product page for current document)

Plotted and Other Data Notes:

SMP Male Limited Detent Connector Solder Attachment End Launch PCB 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 End Launch PCB PE44482

URL: https://www.pasternack.com/smp-male-standard-surface-mount-end-launch-connector-pe44482-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.

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PE44482 CAD Drawing

SMP Male Limited Detent Connector Solder Attachment End Launch PCB

