



SMP Male Full Detent Connector Solder Attachment Edge Launch PCB

RF Connectors  
Technical Data Sheet

PE44955

**Configuration**

- Full Detent SMP Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Edge Launch Interface Type
- Solder Attachment

**Features**

- Max. Operating Frequency 40 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 PE44955 SMP male full detent connector with solder attachment for edge 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 40 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 PE44955 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		40	GHz

**Mechanical Specifications**

<b>Size</b>	
Length	0.307 in [7.8 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.001 lbs [0.45 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 Full Detent Connector Solder Attachment Edge Launch PCB PE44955](#)



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### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE	
Body	Beryllium Copper	Gold 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:

### Assembly Instruction

SMP Male Full Detent Connector Solder Attachment Edge Launch PCB 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.

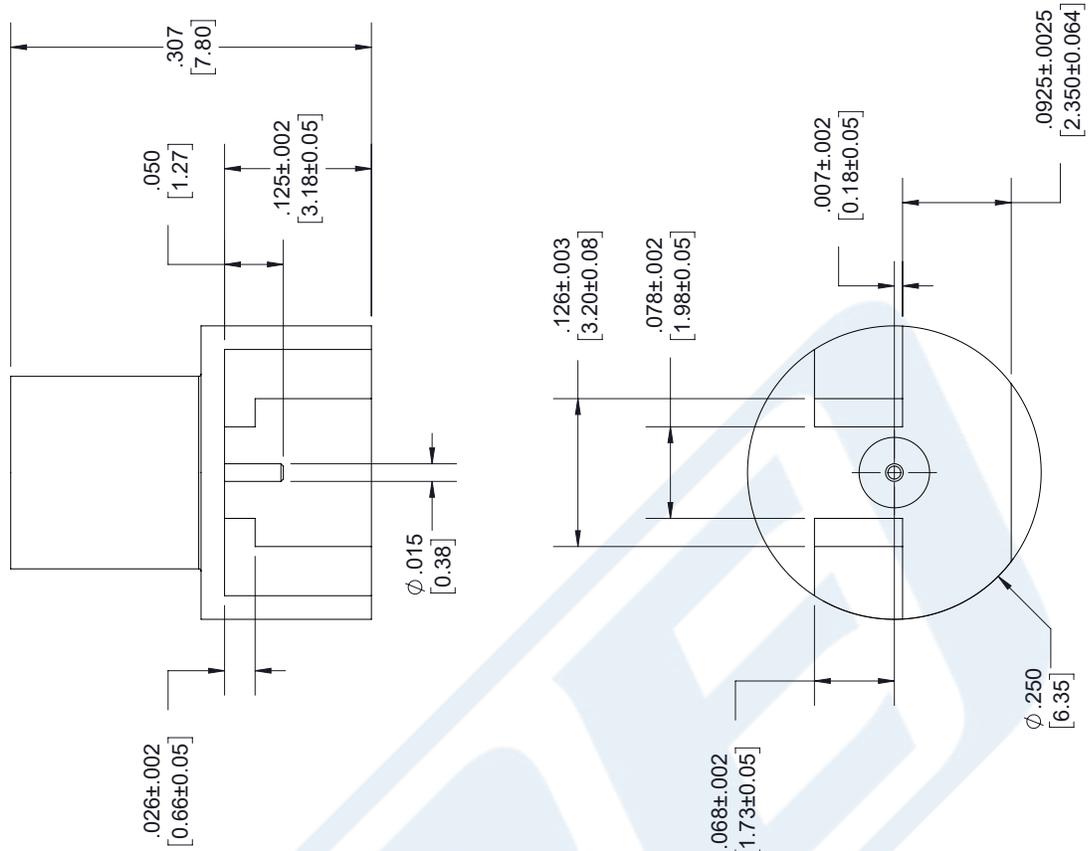
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Male Full Detent Connector Solder Attachment Edge Launch PCB PE44955](#)

URL: <https://www.pasternack.com/smp-male-standard-edge-launch-pcb-connector-pe44955-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.

# PE44955 CAD Drawing

SMP Male Full Detent Connector Solder Attachment Edge Launch PCB



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

**SMP MALE**

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	05/11/18
SCALE	N/A
SIZE	A
7361	

DWG TITLE	PE44955
CAGE CODE	53919


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