



SMP Male Full Detent Connector Solder Attachment  
Thru Hole PCB, Round Body, Up To 8 GHz

RF Connectors Technical Data Sheet

PE44775

**Configuration**

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

**Features**

- Max. Operating Frequency 8 GHz
- Excellent VSWR of 1.1:1
- Gold Plated Phosphor Bronze Contact
- Blind Mate Connector

**Applications**

- General Purpose Test
- PCB Applications

**Description**

Pasternack's PE44775 SMP male full 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 8 GHz and offers excellent VSWR of 1.1:1. 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 PE44775 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		8	GHz
VSWR			1.1:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			6	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:  
Insertion loss = 0.13 x sqrt(fGHz) dB max.

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 Thru Hole PCB, Round Body, Up To 8 GHz PE44775](#)



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**Mechanical Specifications**

**Size**

Length	0.295 in [7.49 mm]
Width/Dia.	0.218 in [5.54 mm]
Weight	0.005 lbs [2.27 g]
Mating Cycles	100 Cycles

**Material Specifications**

Description	Material	Plating
Contact	Phosphor Bronze	Gold
Insulation	PTFE	
Body	Passivated Stainless Steel	

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +165 deg C
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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

SMP Male Full Detent Connector Solder Attachment Thru Hole PCB, Round Body, Up To 8 GHz 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.

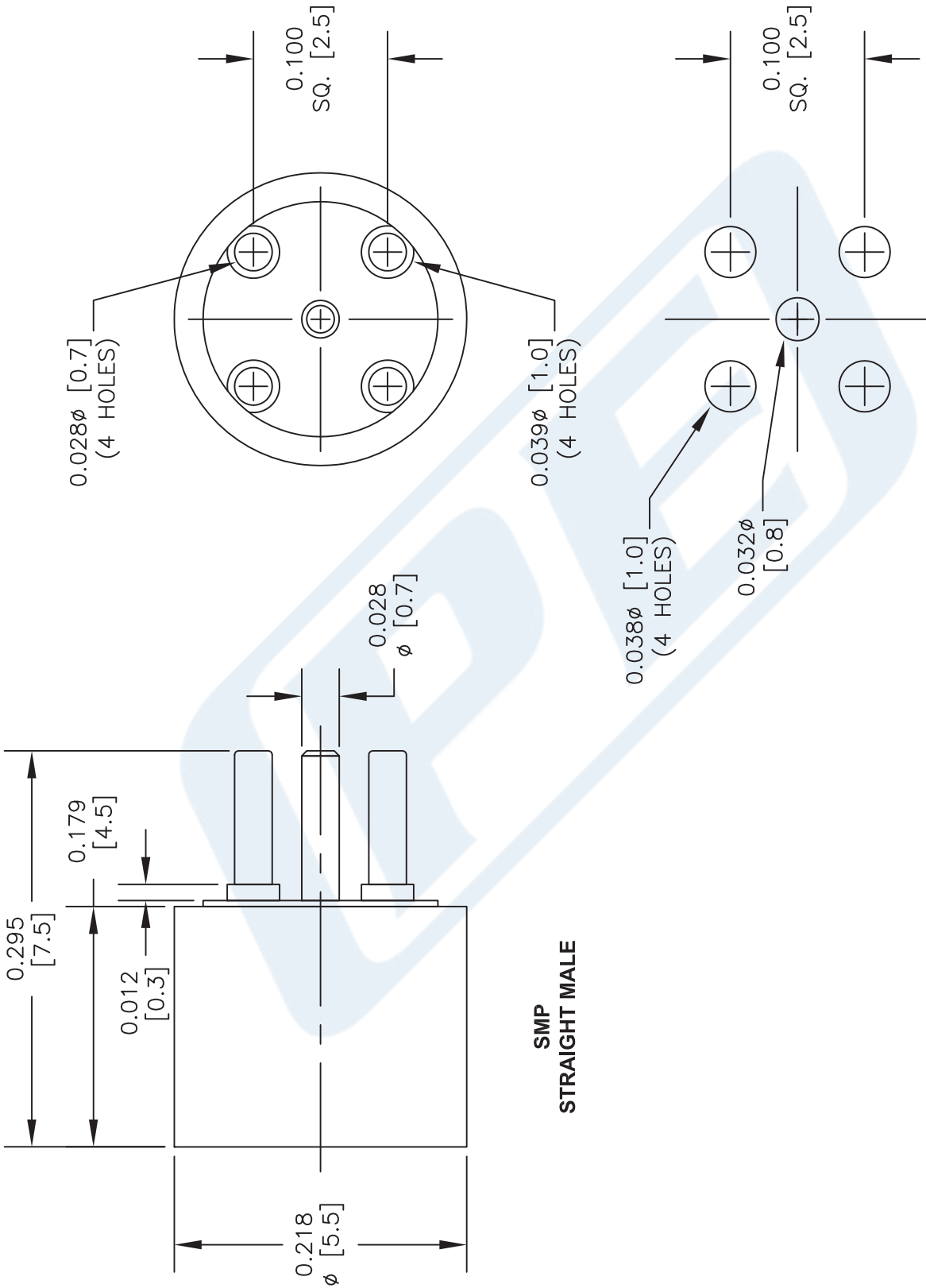
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Male Full Detent Connector Solder Attachment Thru Hole PCB, Round Body, Up To 8 GHz PE44775](#)

URL: <https://www.pasternack.com/smp-male-standard-thru-hole-pcb-connector-pe44775-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.

# PE44775 CAD Drawing

SMP Male Full Detent Connector Solder Attachment  
Thru Hole PCB, Round Body, Up To 8 GHz



DWG TITLE

**PE44775**

- 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 071213

SCALE N/A

SIZE A

2233



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