



## SMP Male Limited Detent Connector Solder Attachment Thru Hole PCB, Square Body, Up To 8 GHz

### TECHNICAL DATA SHEET

PE44776

Pasternack 8 GHz SMP connectors are designed to offer a low cost alternative where the SMP form factor is desired but the standard SMP frequency range is not needed. The line of 8 GHz SMP connectors is fully compatible with industry standard SMP and GPO® connectors. These SMP connectors offer a low cost high performance blind-mate solution for lower frequency applications. The Male versions of the 8 GHz SMP is available in Full Detent, Limited Detent, and Smooth Bore versions.

- Fully compatible with industry standard SMP and GPO® connectors
- Full Detent, Limited Detent, and Smooth Bore Male designs
- Glass Bead Hermetic Sealed Male Shroud versions available
- DC to 8 GHz with excellent VSWR and RF Leakage performance

#### Configuration

Connector	SMP Male, Limited Detent
Connector Specification	MIL-STD-348A
Connector Interface Type	Thru Hole
Cable Attachment Method (Shield/Contact)	Solder
Body Style	Straight

#### Electrical Specifications

Frequency Range, GHz	DC to 8
Impedance, Ohms	50
Maximum VSWR	1.1:1

#### Mechanical Specifications

##### Temperature

Operating Range, deg C	-55 to +155
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##### Size

Length, in [mm]	0.279 [7.09]
Width/Dia., in [mm]	0.236 [5.99]
Height, in [mm]	0.236 [5.99]

##### Connector

Type	SMP Male
Mating Cycles	500
Contact Material and Plating	Beryllium Copper, Gold
Contact Plating Specification	MIL-DTL-45204
Body Material and Plating	Brass, Gold
Body Plating Specification	MIL-DTL-45204
Dielectric Type	PEI

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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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 Thru Hole PCB, Square Body, Up To 8 GHz PE44776](#)

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.



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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

GPO® is a Registered Trademark of Corning Gilbert Inc.

SMP Male Limited Detent Connector Solder Attachment Thru Hole PCB, Square Body, Up To 8 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

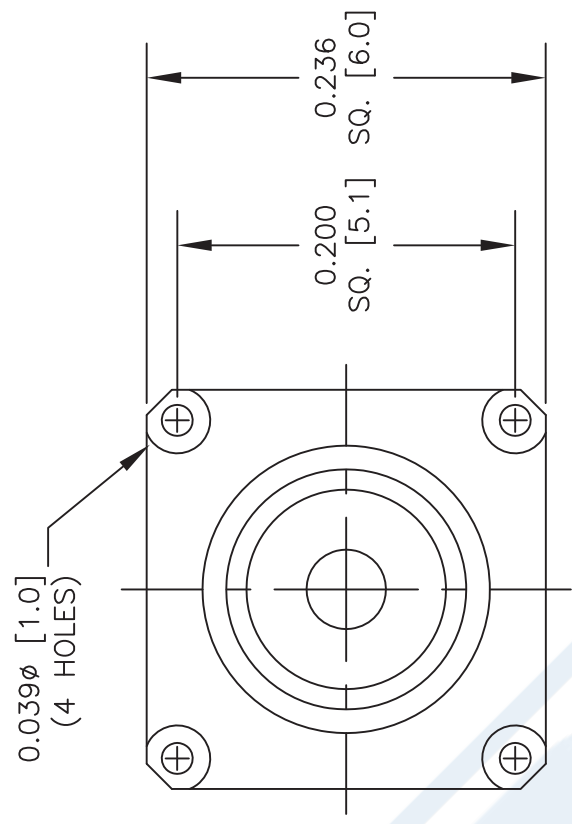
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Male Limited Detent Connector Solder Attachment Thru Hole PCB, Square Body, Up To 8 GHz PE44776](http://www.pasternack.com/smp-male-standard-thru-hole-pcb-connector-pe44776-p.aspx)

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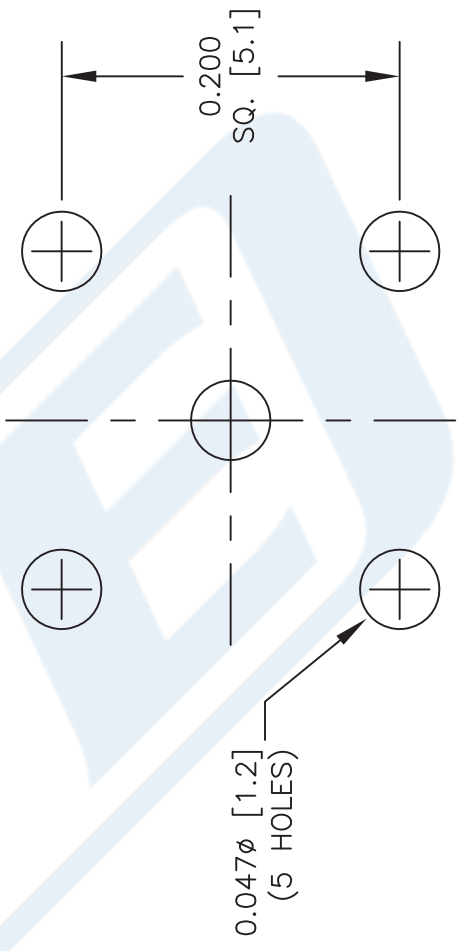
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# PE44776 CAD Drawing

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SMP  
STRAIGHT MALE



MOUNTING HOLE

- 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.

DWG TITLE

**PE44776**

FSCM NO. 53919

SCALE N/A

SIZE A

CAD FILE 071312

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