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

TECHNICAL DATA SHEET PE44775

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

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 excelent VSWR and RF Leakage performance

Configuration

Connector	SMP Male, Full 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

Size

Length, in [mm]	0.295 [7.49]
Width/Dia., in [mm]	0.218 [5.54]

Connector

Type	SMP Male
Mating Cycles	100
Contact Material and Plating	Beryllium Copper, Gold
Contact Plating Specification	MIL-DTL-45204
Body Material and Plating	Passivated Stainless Steel
Body Plating Specification	MIL-DTL-14072
Dielectric Type	PTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

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

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

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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 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 fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/smp-male-standard-thru-hole-pcb-connector-pe44775-p.aspx

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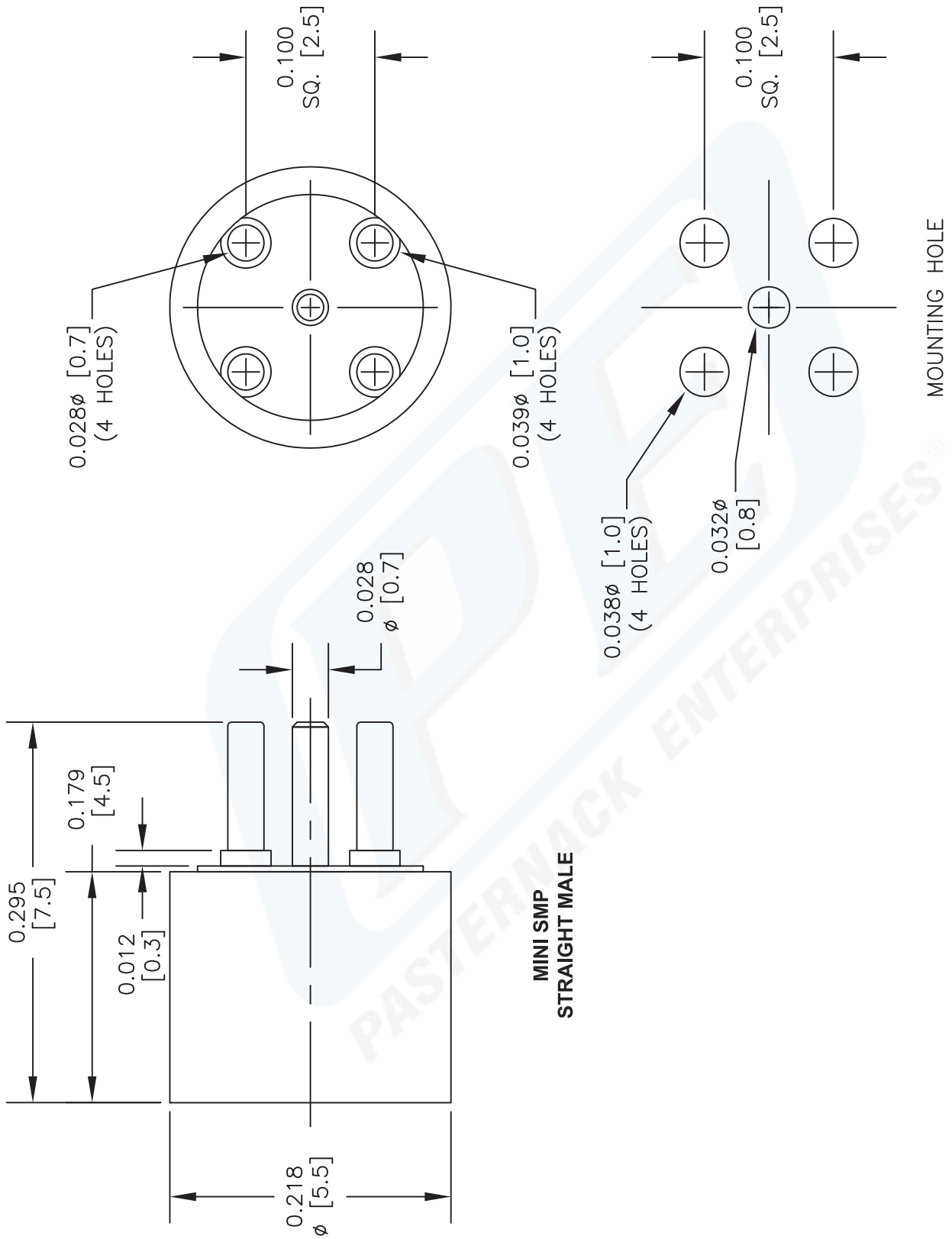
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PE44775 CAD Drawing

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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.

CAD FILE	031213	SCALE N/A	SIZE A	2233

DWG TITLE **PE44775**

FSCM NO. 53919

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