



SMP Male Limited Detent Hermetically Sealed Connector Solder
Attachment Pin Terminal, Half Shroud Full Body, Up To 8 GHz

TECHNICAL DATA SHEET

PE44780

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	Pin
Cable Attachment Method (Shield/Contact)	Solder
Body Style	Straight
Isolated Ground / Hermetic	Hermetically Sealed

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]	0.192 [4.88]
Width/Dia., in [mm]	0.146 [3.71]

Connector

Type	SMP Male
Mating Cycles	500
Contact Material and Plating	Kovar, Gold
Contact Plating Specification	MIL-DTL-45204
Body Material and Plating	Kovar, Gold
Body Plating Specification	MIL-DTL-45204
Dielectric Type	Glass

Compliance Certifications (visit 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 Hermetically Sealed Connector Solder Attachment Pin Terminal, Half Shroud Full Body, Up To 8 GHz PE44780](#)

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 Hermetically Sealed Connector Solder Attachment Pin Terminal, Half Shroud Full 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.

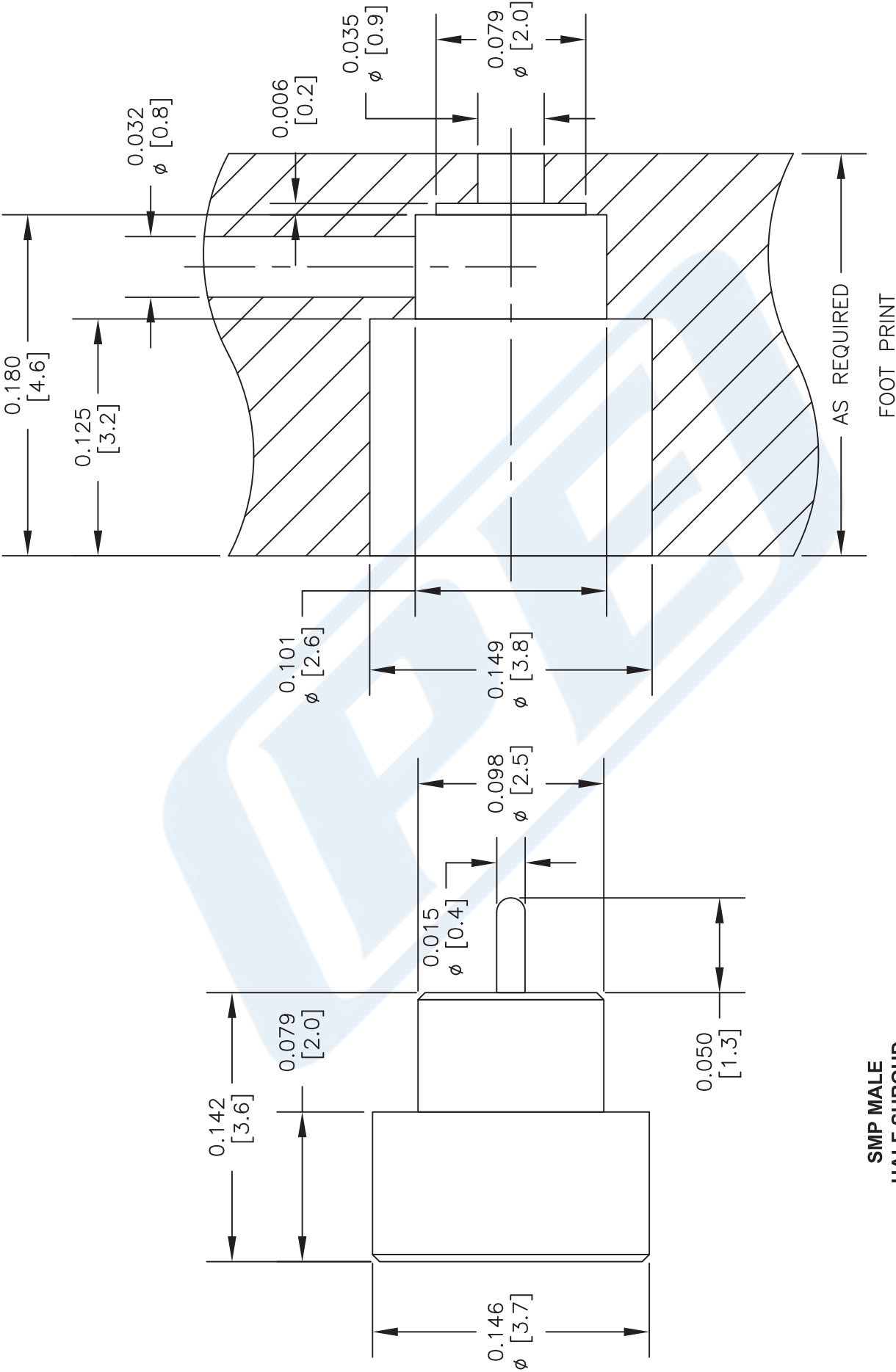
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PE44780 CAD Drawing

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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].

DWG TITLE
PE44780

FSCM NO. 53919

2233

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