Mini SMP Male Full Detent Hermetically Sealed
Connector Solder Attachment Solder Mount Pin
Terminal, .050 inch Pin Length Full Radius

RF Connectors Technical Data Sheet — PE44973

Configuration

- Full Detent Mini SMP Male Connector
- 50 Ohms
- Straight Body Geometry

- Pin Interface Type
- Solder Attachment
- Solder

Features

- Max. Operating Frequency 50 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Kovar Contact

- Contact plating according to MIL-G-45204
- Blind Mate Connector
- Hermetically Sealed

Applications

- General Purpose Test

Description

Pasternack's PE44973 Mini SMP male full detent solder mount hermetically sealed connector with solder attachment pin terminal is part of our full line of RF components available for same-day shipping. Our Mini SMP male connector operates up to a maximum frequency of 50 GHz and offers excellent VSWR of 1.25:1. 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 Mini SMP male solder connector PE44973 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		50	GHz
VSWR			1.25:1	

Mechanical Specifications

Size

Length	0.191 in [4.85 mm]
Width/Dia.	0.13 in [3.30 mm]
Weight	0.003 lbs [1.36 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Mini SMP Male Full Detent Hermetically Sealed Connector Solder Attachment Solder Mount Pin Terminal, .050 inch Pin Length Full Radius PE44973

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Material Specifications

Description	Material	Plating
Contact	Kovar	Gold MIL-G-45204
Body	Kovar	Gold MIL-G-45204

Environmental Specifications
Temperature
Operating Range   -55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

Mini SMP Male Full Detent Hermetically Sealed Connector Solder Attachment Solder Mount Pin Terminal, .050 inch Pin Length Full Radius 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.
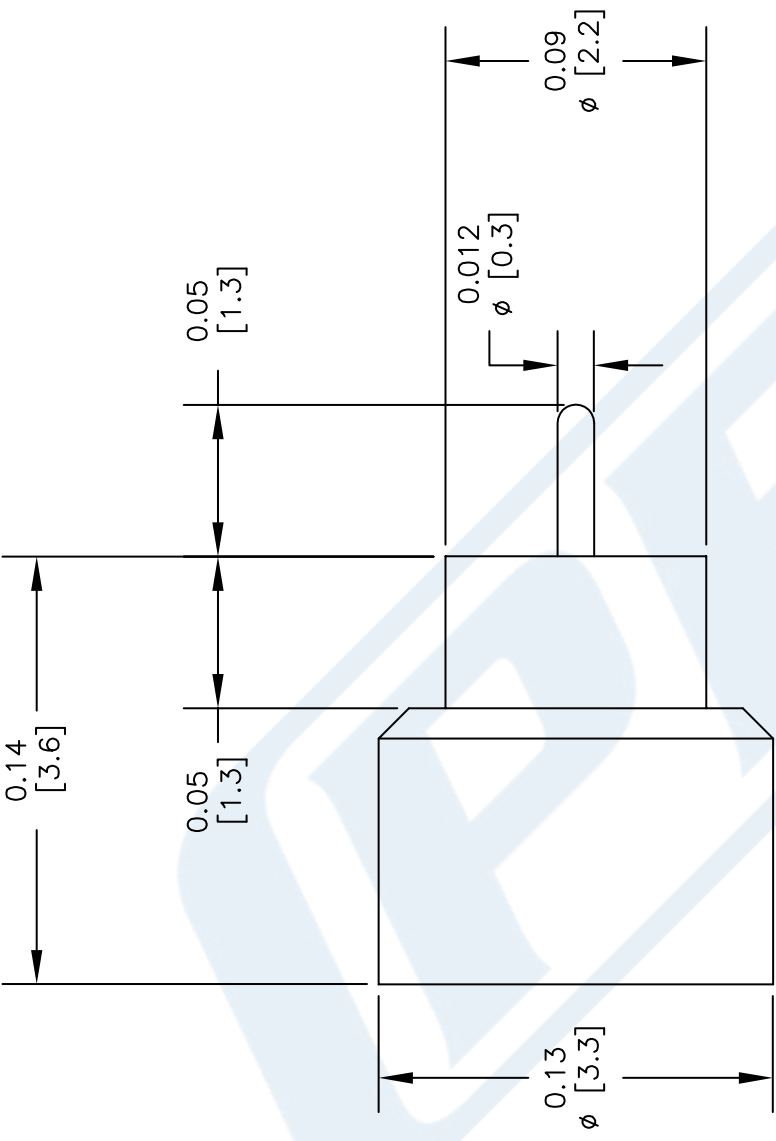
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URL: https://www.pasternack.com/mini-smp-male-standard-pin-terminal-connector-pe44973-p.aspx

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.

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PE44973 CAD Drawing

Mini SMP Male Full Detent Hermetically Sealed Connector Solder Attachment
Solder Mount Pin Terminal, .050 inch Pin Length Full Radius

0.09 [2.2] ø

0.012 ø [0.3]

0.05 [1.3]

0.14 [3.6]

0.05 [1.3]

0.13 ø [3.3]

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	110713	SCALE N/A	SIZE A	150

DWG TITLE
PE44973

FSCM NO. 53919

PE44973 REV 1.1