

Mini SMP Male Right Angle Full Detent Connector Solder Attachment Surface Mount PCB



PE44968

Configuration

- Full Detent Mini SMP Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- Solder Method
- Connector Interface Types: Surface Mount

Features

- Max. Operating Frequency 40 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Blind Mate Connector

Applications

- General Purpose Test
- Space Saving for PCB Applications

Description

Pasternack's PE44968 Right Angle, Mini SMP, Standard, connector with solder attachment for Surface Mount PCB 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 40 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. Its right angle body geometry allows for easier connections in tight spaces.

Our Mini SMP male right angle connector PE44968 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		40	GHz
VSWR			1.25:1	
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.17 in [4.32 mm]
Width	0.13 in [3.30 mm]
Height	0.13 in [3.3 mm]
Weight	0.0016 lbs [0.73 g]

Mini SMP Male Right Angle Full Detent Connector Solder Attachment Surface Mount PCB



PE44968

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PAI	
Body	Beryllium Copper	Gold MIL-G-45204

Mechanical Specification Notes:

The depth from the face of the connector to the reference plane is 0.083±.001 meeting MIL-STD 348 requirements

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 Right Angle Full Detent Connector Solder Attachment Surface Mount PCB from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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: [Mini SMP Male Right Angle Full Detent Connector Solder Attachment Surface Mount PCB PE44968](#)

URL: <https://www.pasternack.com/mini-smp-male-standard-surface-mount-pcb-connector-pe44968-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE44968 CAD Drawing

Mini SMP Male Right Angle Full Detent Connector Solder Attachment Surface Mount PCB

