



## SMC Jack Connector Solder Attachment Surface Mount PCB

## RF Connectors Technical Data Sheet

PE44120

**Configuration**

- SMC Jack Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- Surface Mount Interface Type
- Solder Attachment

**Features**

- Max. Operating Frequency 10 GHz
- Gold over Nickel Plated Brass Contact
- 30  $\mu$ m minimum contact plating

**Applications**

- General Purpose Test
- PCB Applications

**Description**

Pasternack's PE44120 SMC jack connector with solder attachment for surface mount PCB is part of our full line of RF components available for same-day shipping. Our SMC jack connector operates up to a maximum frequency of 10 GHz.

Our SMC jack connector PE44120 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		10	GHz
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage at 4 and 7 MHz			600	Vrms
Insulation Resistance	1,000			MOhms

**Mechanical Specifications****Size**

Length	0.32 in [8.13 mm]
Width/Dia.	0.28 in [7.11 mm]
Height	0.28 in [7.11 mm]
Weight	0.003 lbs [1.36 g]
Mating Cycles	500 Cycles

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Jack Connector Solder Attachment Surface Mount PCB PE44120](#)



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**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold over Nickel 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold over Nickel 10 µin minimum

**Environmental Specifications****Temperature**

Operating Range

-65 to +165 deg C

Shock

MIL-STD-202, Method 213, Condition C

Vibration

MIL-STD-202, Method 204, Condition D

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

**Compliance Certifications** (see [product page](#) for current document)**Plotted and Other Data**

Notes:

SMC Jack 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% availability and are part of the broadest selection in the industry.

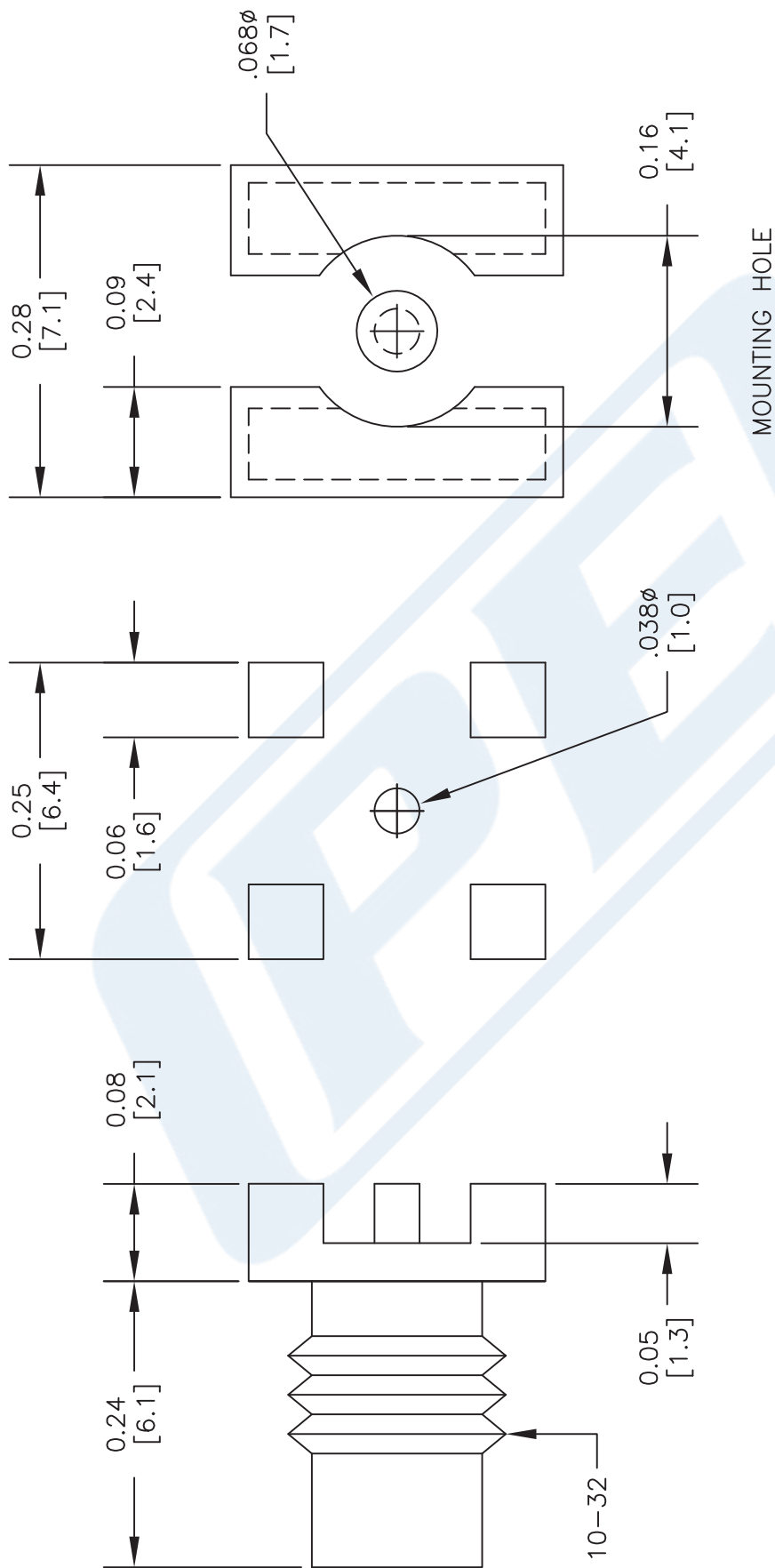
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URL: <https://www.pasternack.com/smc-jack-standard-surface-mount-pcb-connector-pe44120-p.aspx>

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.

PE44120 CAD Drawing

SMC Jack Connector Solder Attachment Surface Mount PCB



DWG TITLE

PE44120

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.

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COAXIAL & FIBER OPTICS



REV. B

FSCM NO. 53919

CAD FILE 032112

SCALE N/A

SIZE A

2233