



## SSMC Jack Right Angle Connector Solder Attachment Turret PCB

### RF Connectors Technical Data Sheet

PE45389

#### Configuration

- SSMC Jack Connector
- Right Angle Body Geometry
- Turret Interface Type
- Solder Attachment

#### Features

- Max. Operating Frequency 12.4 GHz
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Reliable threaded coupling
- Small SSMC connector form factor (50% smaller than SMA, radially)
- IEC 60169-20 SSMC connector interface
- In stock and ready to ship

#### Applications

- General Purpose Test
- Space Saving for PCB Applications
- Avionics
- A/D Modules
- Data Acquisition
- Software defined radio (SDR)
- RADAR/SONAR
- Ultra Wideband Digital Receivers
- Medical equipment

#### Description

Pasternack's PE45389 SSMC jack right angle connector with solder attachment for turret PCB is part of our full line of RF components available for same-day shipping. Our SSMC jack connector operates up to a maximum frequency of 12.4 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our SSMC jack right angle connector PE45389 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      |         | 12.4    | GHz   |
| Insertion Loss                  |         |         | 0.3     | dB    |
| Operating Voltage (AC)          |         |         | 250     | Vrms  |
| High Potential Voltage<br>5 MHz |         |         | 400     | Vrms  |
| Inner Conductor DC Resistance   |         |         | 4       | mOhms |
| Outer Conductor DC Resistance   |         |         | 1       | mOhms |
| Insulation Resistance           | 1,000   |         |         | MOhms |
| RF Leakage                      | -50     |         |         | dB    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Right Angle Connector Solder Attachment Turret PCB PE45389](#)



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#### Mechanical Specifications

##### Size

|            |                    |
|------------|--------------------|
| Length     | 0.57 in [14.48 mm] |
| Width/Dia. | 0.222 in [5.64 mm] |
| Height     | 0.38 in [9.65 mm]  |

|               |                                    |
|---------------|------------------------------------|
| Mating Cycles | 500 Cycles                         |
| Mating Torque | 1.75 to 2 in-lbs [0.20 to 0.23 Nm] |

#### Material Specifications

| Description     | Material         | Plating             |
|-----------------|------------------|---------------------|
| Contact         | Beryllium Copper | Gold<br>MIL-G-45204 |
| Insulation      | Teflon           |                     |
| Outer Conductor | Beryllium Copper | Gold<br>MIL-G-45204 |
| Body            | Brass            | Gold<br>MIL-G-45204 |

#### Environmental Specifications

##### Temperature

|                 |   |
|-----------------|---|
| Operating Range | -65 to +165 deg C                           |
| Shock           | Method 213, Condition B, 75G @6ms @1/2 sine |
| Vibration       | Method 204, Condition D (20G)               |
| Salt Spray      | Method 101, Condition B, 5% salt solution   |

#### Compliance Certifications (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

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#### Assembly Instruction

SSMC Jack Right Angle Connector Solder Attachment Turret 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.

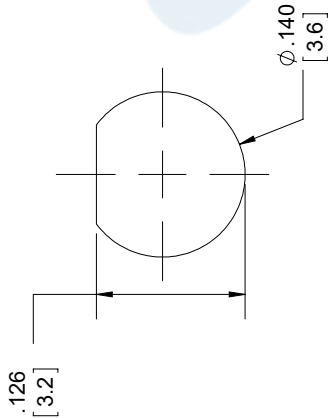
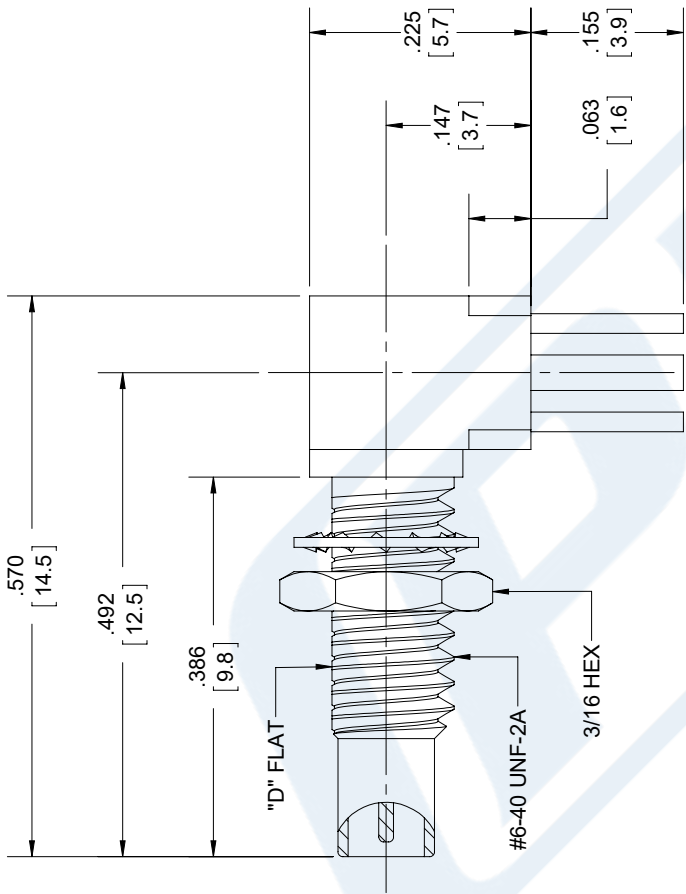
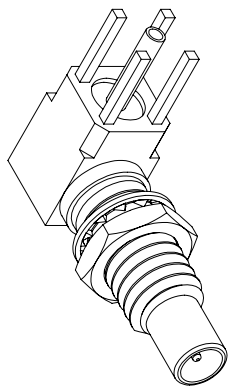
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Right Angle Connector Solder Attachment Turret PCB PE45389](https://www.pasternack.com/ssmc-jack-turret-pcb-connector-pe45389-p.aspx)

URL: <https://www.pasternack.com/ssmc-jack-turret-pcb-connector-pe45389-p.aspx>

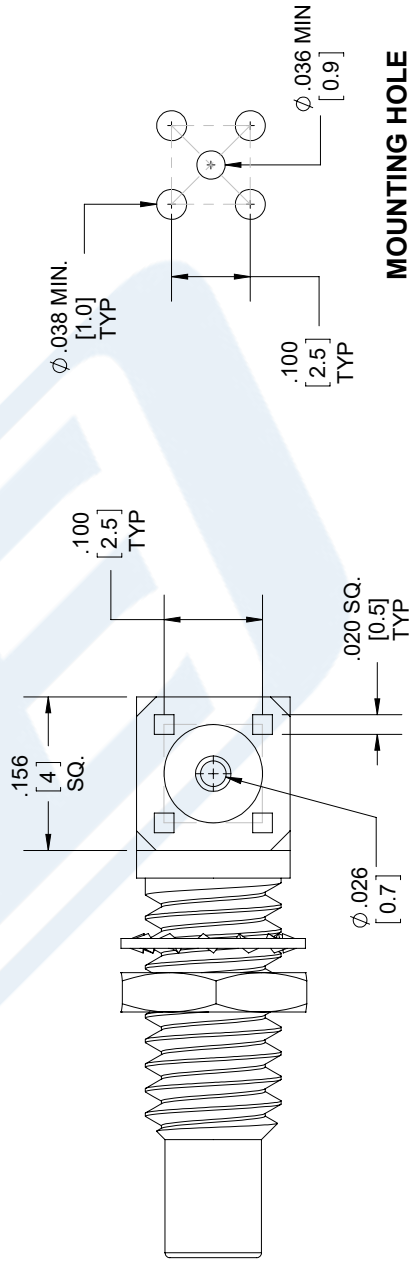
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

# PE45389 CAD Drawing

SSMC Jack Right Angle Connector Solder Attachment Turret PCB



MOUNTING HOLE



MOUNTING HOLE

| STANDARD TOLERANCES |
|---------------------|
| .X ±0.2             |
| .XX ±0.01           |
| .XXX ±0.005         |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE45389

CAGE CODE 53919

CAD FILE 061517

SCALE N/A

SIZE A

9999

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].