

## SMP Male PCB Connector Thru Hole Solder Attachment Up To 8 GHz Smooth Bore

SMP male connector with solder attachment for thru hole PCB, part number SC5190, from Fairview Microwave is in-stock and ships same day. This SMP male connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.1:1. This blind mate connector is ideal for applications without direct visual or tactile access to the connection point, for example, when two circuit boards need to be mated.

Fairview's SMP male connector SC5190 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.1:1	

### Mechanical Specifications

<b>Size</b>	
Length	0.279 in [7.09 mm]
Width/Dia.	0.236 in [5.99 mm]
Height	0.236 in [5.99 mm]
Weight	0.003 lbs [1.36 g]
Mating Cycles	500 Cycles

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-DTL-45204
Insulation	PEI	
Outer Conductor	Brass	Gold
Body	Brass	Gold MIL-DTL-45204

### Environmental Specifications

#### Temperature

Operating Range	-55 to +155 deg C
Humidity	MIL-STD-202, Method 106 (except 7b omitted)
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition D



### Configuration:

- SMP Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Thru Hole Interface Type
- Solder Attachment

### Features:

- Operating Frequency of 18 GHz Max.
- Excellent VSWR of 1.1:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-DTL-45204

### Applications:

- General Purpose Test
- PCB Applications

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

Salt Spray

MIL-STD-202, Method 101, Condition B

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

## Plotted and Other Data

Notes:

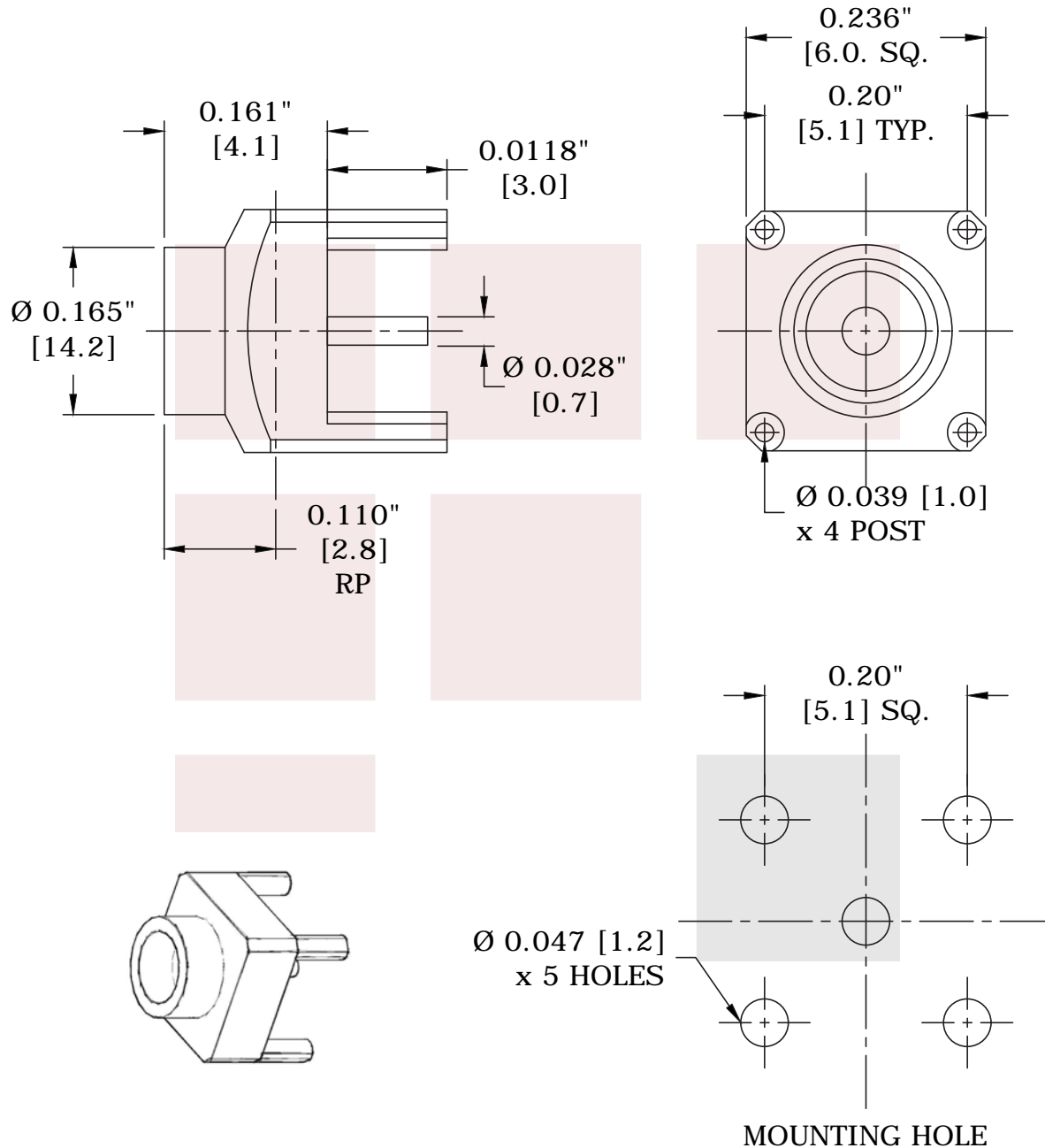
## Assembly Instruction

SMP Male PCB Connector Thru Hole Solder Attachment Up To 8 GHz Smooth Bore from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMP Male PCB Connector Thru Hole Solder Attachment Up To 8 GHz Smooth Bore SC5190](#)

URL: <https://www.fairviewmicrowave.com/smp-male-standard-thru-hole-pcb-connector-sc5190-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



## FAIRVIEW MICROWAVE INC.

ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM

TITLE  
SMP Male PCB Connector Thru Hole Solder Attachment  
Up To 8 GHz Smooth Bore

### 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 NO

SC5190

CAGE CODE

3FKR5

CAD FILE

081315

SHEET

SCALE N/A

SIZE A

5568