

## RA SMA Female PCB Connector Thru Hole Solder Attachment

RA SMA female connector with solder attachment for thru hole PCB, part number SC8250, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 12.4 GHz and offers excellent VSWR of 1.25:1. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA SMA female connector SC8250 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		12.4	GHz
VSWR			1.25:1	
Operating Voltage (AC)			500	Vrms

### Mechanical Specifications

<b>Size</b>	
Length	0.614 in [15.6 mm]
Width/Dia.	0.25 in [6.35 mm]
Height	0.531 in [13.49 mm]
Weight	0.0125 lbs [5.67 g]

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 µin minimum
Insulation	PTFE	
Outer Conductor	Brass	Gold 3 µin minimum

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-65 to +165 deg C

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

### Plotted and Other Data

Notes:



### Configuration:

- SMA Female Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Thru Hole Interface Type
- Solder Attachment

### Features:

- Operating Frequency of 12.4 GHz Max.
- Excellent VSWR of 1.25:1
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

### Applications:

- General Purpose Test
- PCB Applications

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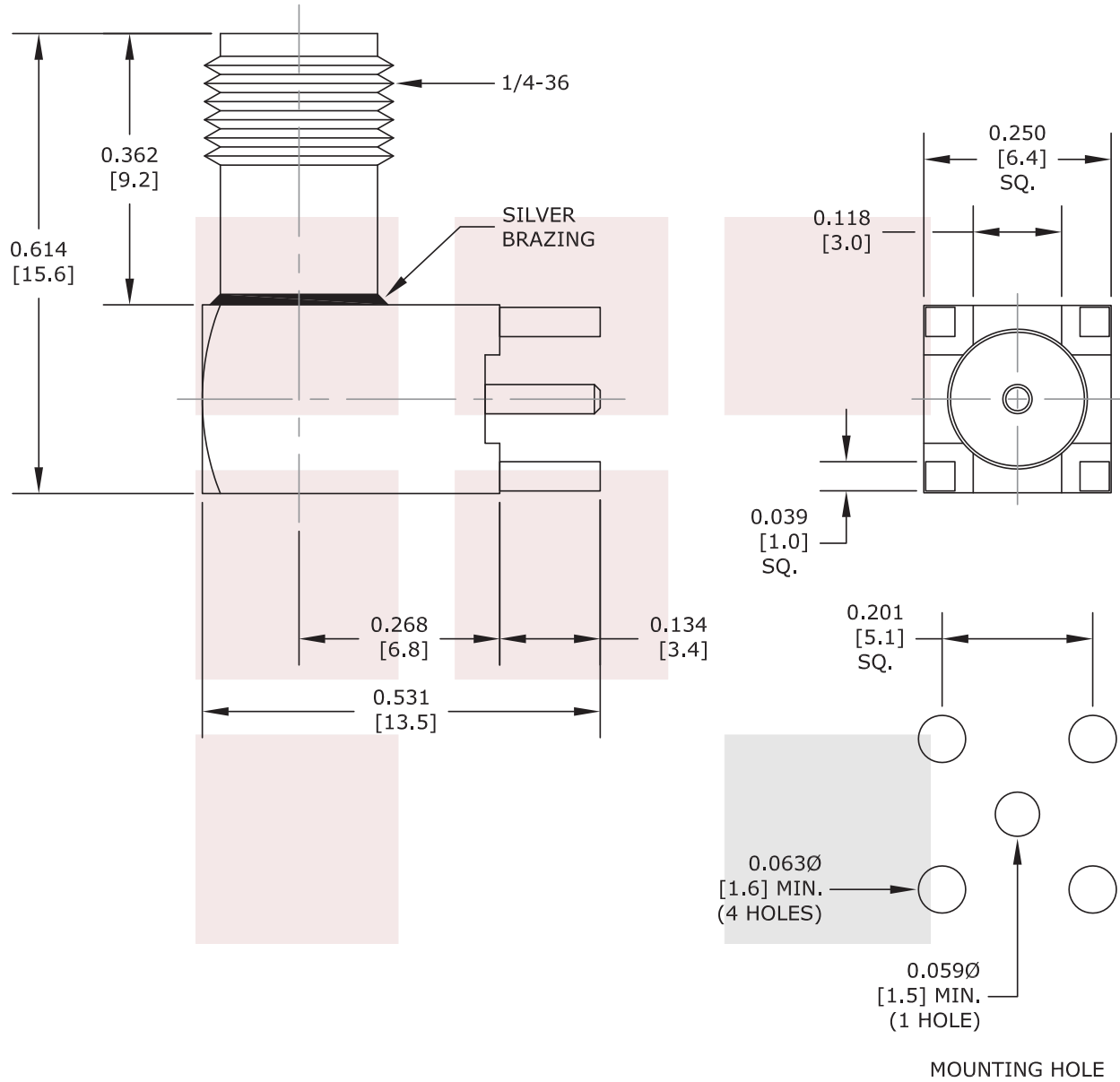
RA SMA Female PCB Connector Thru Hole Solder Attachment from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA SMA Female PCB Connector Thru Hole Solder Attachment SC8250](#)

URL: <https://www.fairviewmicrowave.com/sma-female-standard-thru-hole-pcb-connector-sc8250-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.





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TITLE RA SMA Female PCB Connector Thru Hole Solder Attachment		DWG NO SC8250		CAGE CODE 3FKR5	
CAD FILE	031016	SHEET	SCALE	N/A	SIZE A 2233