

RA SMA Female Bulkhead PCB Connector Thru Hole Solder Attachment

RA SMA female bulkhead connector with solder attachment for thru hole PCB, part number SC8257, 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 1.23:1. Its right angle body geometry facilitates connections in tight spaces. Fairview's SC8257 bulkhead SMA connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's RA SMA female bulkhead connector SC8257 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.



Configuration:

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

Features:

- Operating Frequency of 12.4 GHz Max.
- Excellent VSWR of 1.23:1
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

Applications:

- General Purpose Test Applications
- Rack and Panel Mount Applications
- PCB Applications

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		12.4	GHz
VSWR			1.23:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size	
Length	0.8 in [20.32 mm]
Width/Dia.	0.25 in [6.35 mm]
Height	0.53 in [13.46 mm]
Weight	0.0155 lbs [7.03 g]

Material Specifications

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

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

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

Plotted and Other Data

Notes:

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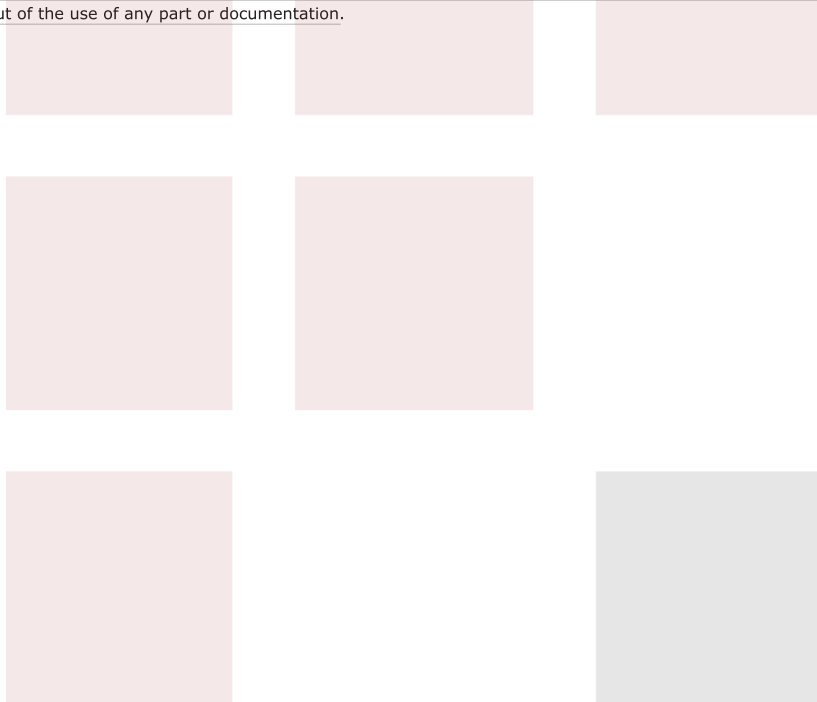
Assembly Instruction

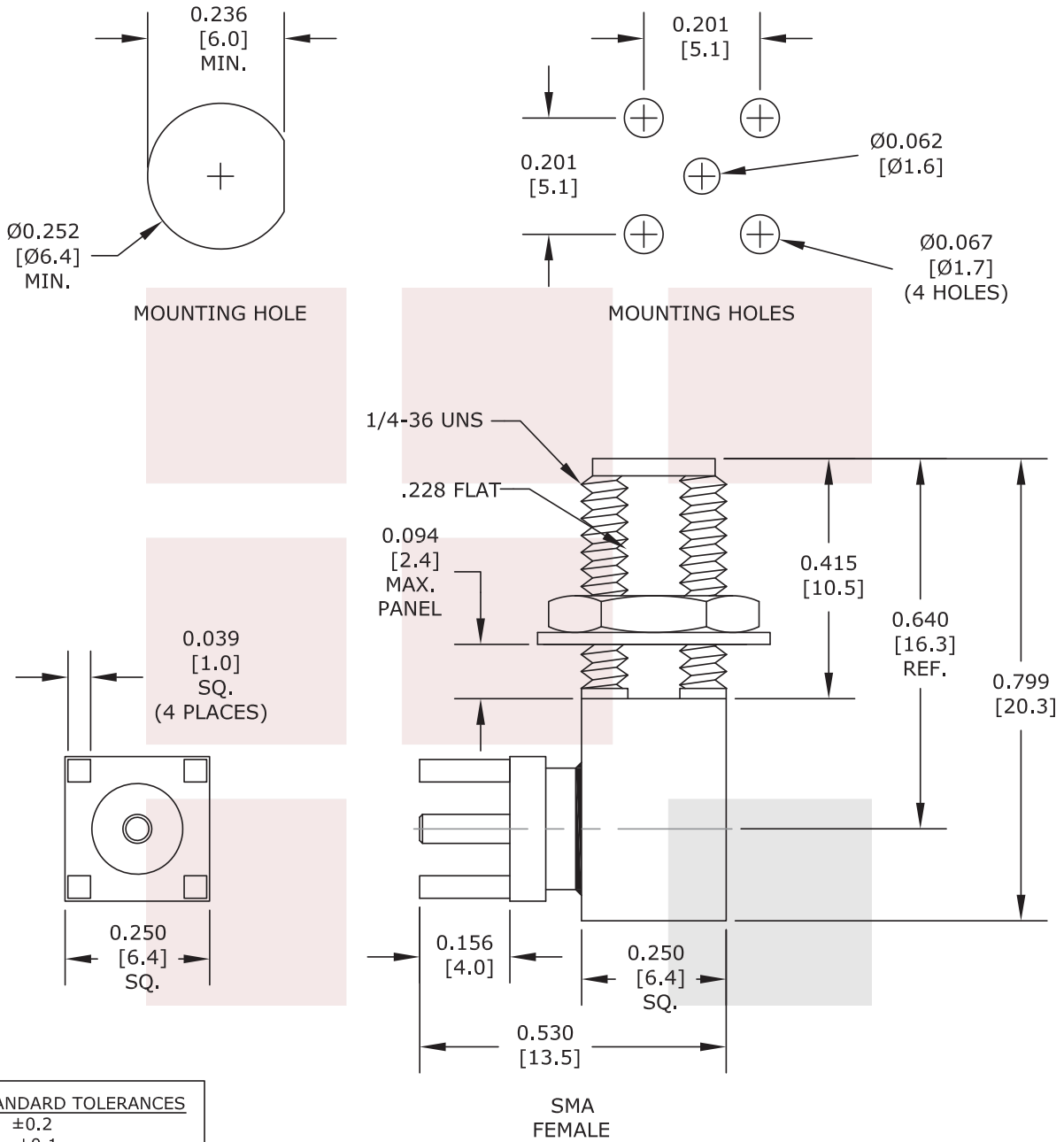
RA SMA Female Bulkhead PCB Connector Thru Hole Solder Attachment from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA SMA Female Bulkhead PCB Connector Thru Hole Solder Attachment SC8257](#)

URL: <https://www.fairviewmicrowave.com/sma-female-standard-thru-hole-pcb-connector-sc8257-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.





STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC.		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].			
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TITLE RA SMA Female Bulkhead PCB Connector Thru Hole Solder Attachment		SC8257		3FKR5	
CAD FILE	120816	SHEET	SCALE	N/A	SIZE A 41742