

SMA Female PCB Connector 0.047 End Launch Solder Attachment

SMA female connector with solder attachment for .047 inch end launch PCB, part number SC8009, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1.

Fairview's SMA female connector SC8009 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		6	GHz
VSWR			1.3:1	
Operating Voltage (AC)			335	Vrms
DWV (AC)			1,000	Vrms
Inner Cond. DC Resistance			3	mOhms
Outer Cond. DC Resistance			2.5	mOhms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.562 in [14.27 mm]
Width/Dia.	0.375 in [9.53 mm]
Height	0.312 in [7.92 mm]
Weight	0.00529 lbs [2.4 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE	
Outer Conductor	Brass	Gold
Body	Brass	Gold MIL-G-45204



Configuration:

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry
- .047 inch End Launch Interface Type
- Solder Attachment

Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

Applications:

- General Purpose Test
- PCB Applications

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Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

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

Plotted and Other Data

Notes:

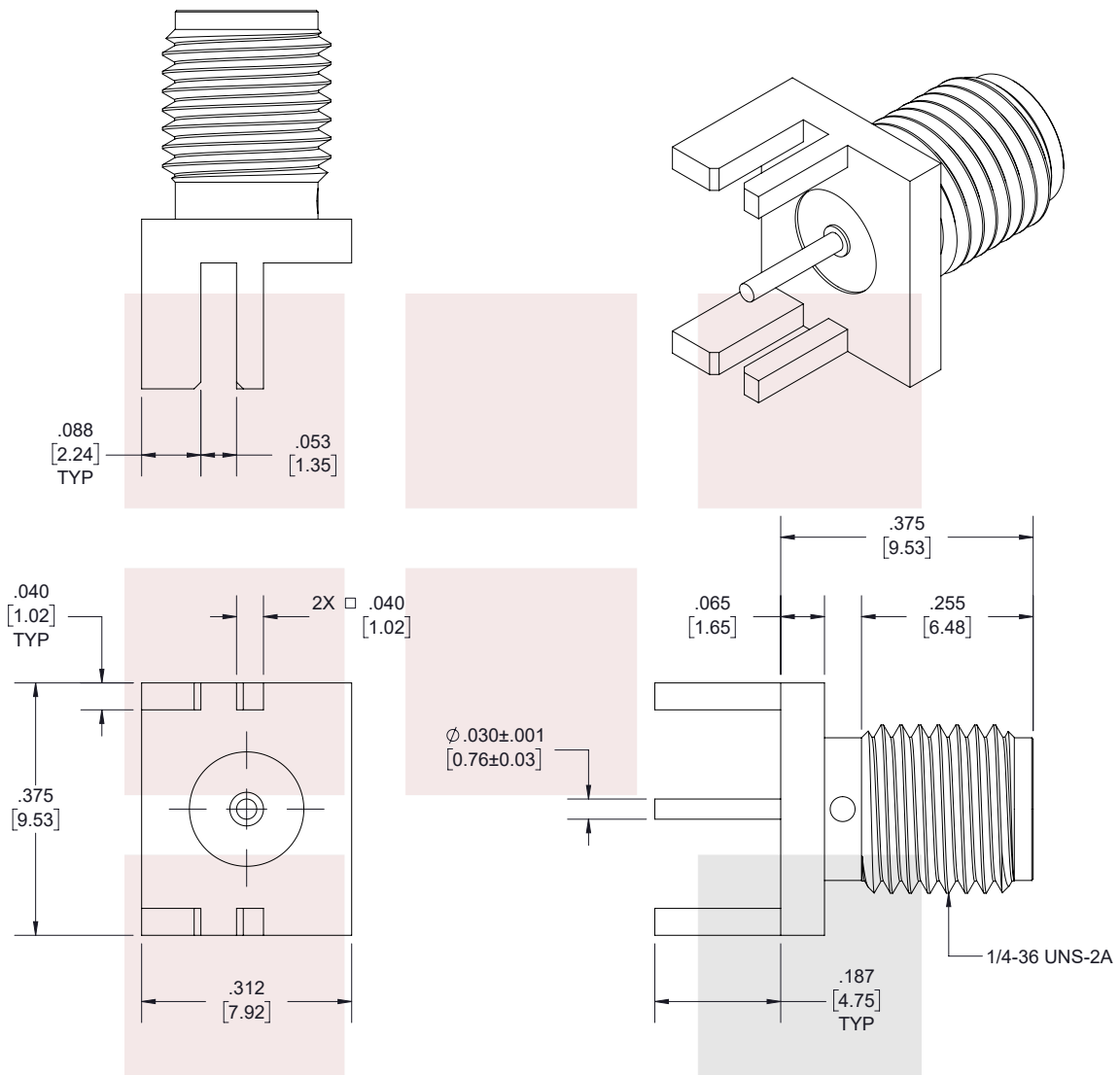
Assembly Instruction

SMA Female PCB Connector 0.047 End Launch 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: [SMA Female PCB Connector 0.047 End Launch Solder Attachment SC8009](#)

URL: <https://www.fairviewmicrowave.com/sma-female-standard-0.047-end-launch-pcb-connector-sc8009-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 ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

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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].

TITLE
SMA Female PCB Connector 0.047 End Launch Solder
Attachment

DWG NO
SC8009

CAGE CODE
3FKR5

CAD FILE 021318

SHEET 1 OF 1

SCALE N/A

SIZE A

7361