

### SMC Plug Connector Crimp/Solder Attachment for 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR Cable Gold Plated

SMC plug connector with crimp/solder attachment for 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A and LMR-100A-FR, part number SC8801, from Fairview Microwave is in-stock and ships same day. This SMC plug connector operates up to a maximum frequency of 10 GHz.

Fairview's SMC plug connector SC8801 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		10	GHz
Operating Voltage (AC)			335	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 3					GHz
VSWR, Max	1.3:1					

#### Mechanical Specifications

Size	
Length	0.669 in [16.99 mm]
Weight	0.0085 lbs [3.86 g]

#### Material Specifications

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



#### Configuration:

- SMC Plug Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR Interface Type
- Crimp/Solder Attachment
- 1/4 inch Hex

#### Features:

- Operating Frequency of 10 GHz Max.
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

#### Applications:

- General Purpose Test
- Custom Cable Assemblies

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## Environmental Specifications

### Temperature

Operating Range -65 to +165 deg C

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

## Plotted and Other Data

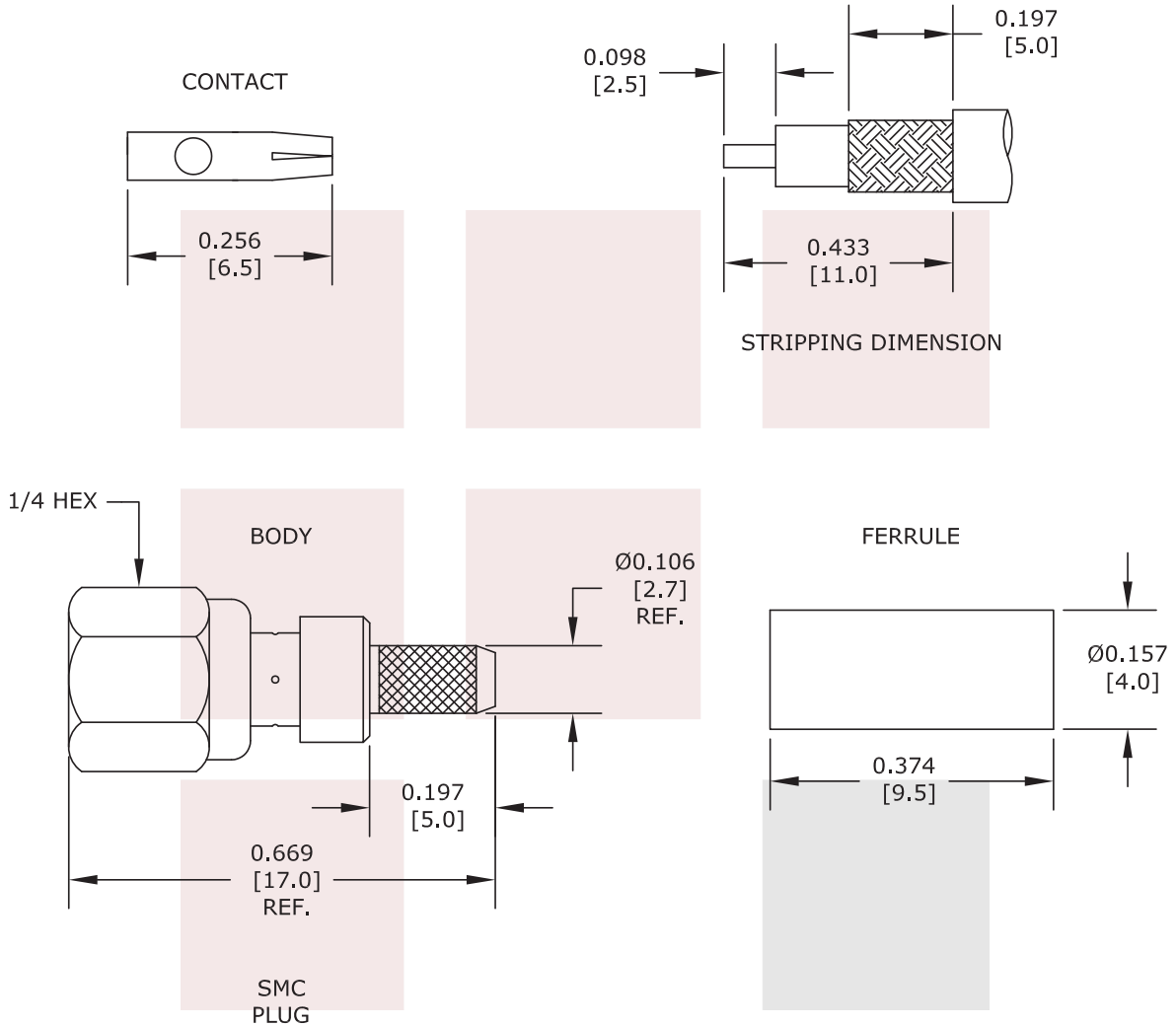
Notes:

SMC Plug Connector Crimp/Solder Attachment for 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR Cable Gold Plated 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: [SMC Plug Connector Crimp/Solder Attachment for 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR Cable Gold Plated SC8801](#)

URL: <https://www.fairviewmicrowave.com/smc-plug-standard-rg316-rg174-connector-sc8801-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.

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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**

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**DWG NO**

SC8801

**CAGE CODE**

3FKR5

**CAD FILE**

120616

**SHEET**

**SCALE**

N/A

**SIZE**

A

41742