

N Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable

Type N male connector with crimp/solder attachment for RG55, RG142, RG223 and RG400, part number SC9107, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.45:1.

Fairview's type N male connector SC9107 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		11	GHz
VSWR			1.45:1	
Operating Voltage (AC)			1,000	Vrms
DWV (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	1.51 in [38.35 mm]
Width/Dia.	0.8 in [20.32 mm]
Weight	0.0815 lbs [36.97 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold ASTM B488
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290
Gasket	Silicone Rubber	

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C
Shock	MIL-STD-202, METH. 213 COND I



Configuration:

- N Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG55, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

Features:

- Operating Frequency of 11 GHz Max.
- Good VSWR of 1.45:1
- Gold Plated Brass Contact
- Contact plating according to ASTM B488

Applications:

- General Purpose Test
- Custom Cable Assemblies

Fairview Microwave
1130 Junction Dr. #100
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sales@fairviewmicrowave.com

Vibration	MIL-STD-202, METH. 204 COND D
Altitude	MIL-STD-202, METH. 105 COND C
Thermal Shock	MIL-STD-202, METH. 107 COND B

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

Plotted and Other Data

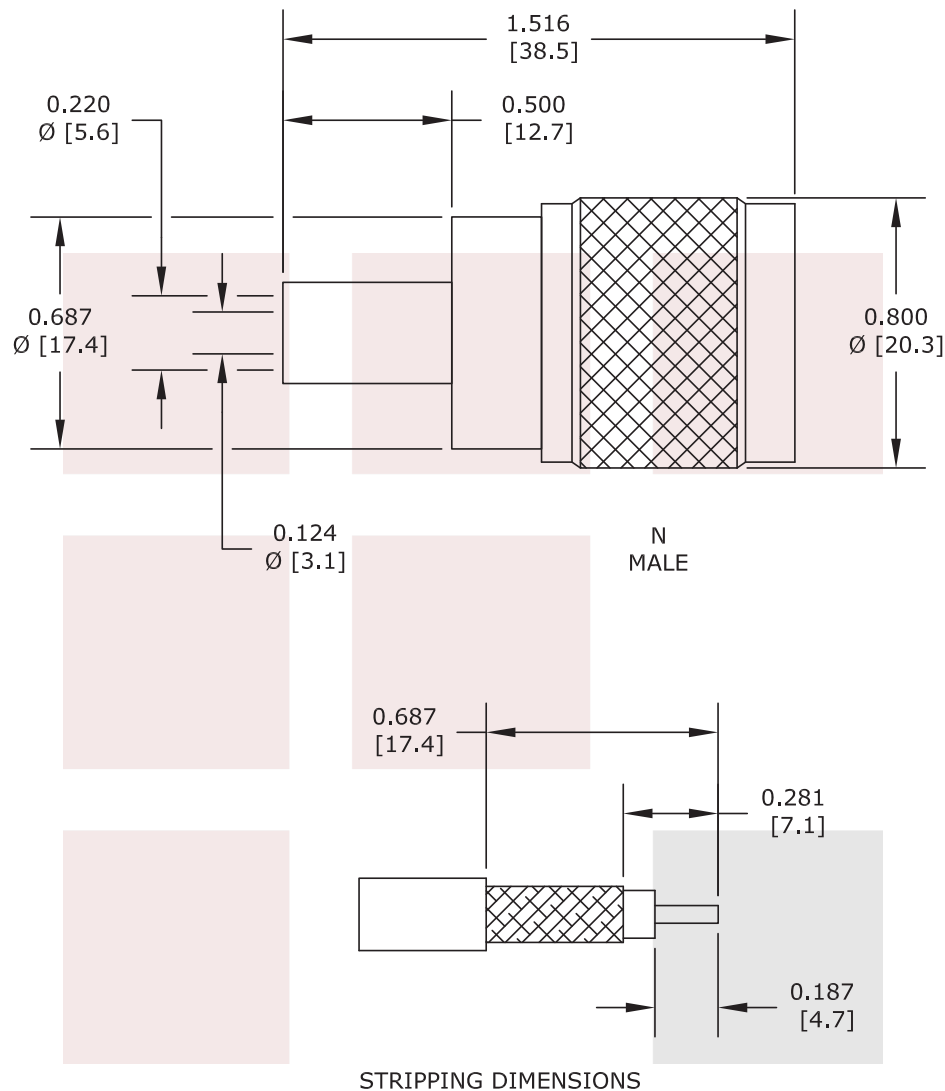
Notes:

N Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable 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: [N Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable SC9107](#)

URL: <https://www.fairviewmicrowave.com/n-male-standard-rg55-rg142-rg223-connector-sc9107-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.

ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM

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

N Male Connector Crimp/Solder Attachment For RG55,
RG142, RG223, RG400 Cable

DWG NO

SC9107

CAGE CODE

3FKR5

CAD FILE

021617

SHEET

SCALE

N/A

SIZE

A 2233

SMA Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable

SMA male connector with crimp/solder attachment for RG55, RG142, RG223 and RG400, part number SC7050, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.28:1.

Fairview's SMA male connector SC7050 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			1.28:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size	
Length	0.906 in [23.01 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.014 lbs [6.35 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

Material Specifications

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



Configuration:

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG55, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features:

- Operating Frequency of 12.4 GHz Max.
- Good VSWR of 1.28:1
- Gold Plated Brass Contact
- 50 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

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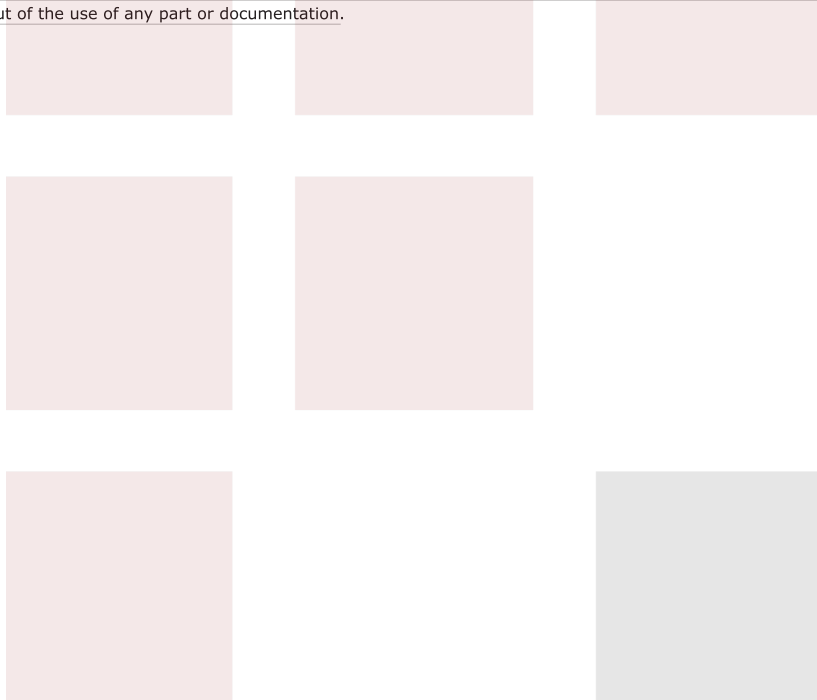
Assembly Instruction

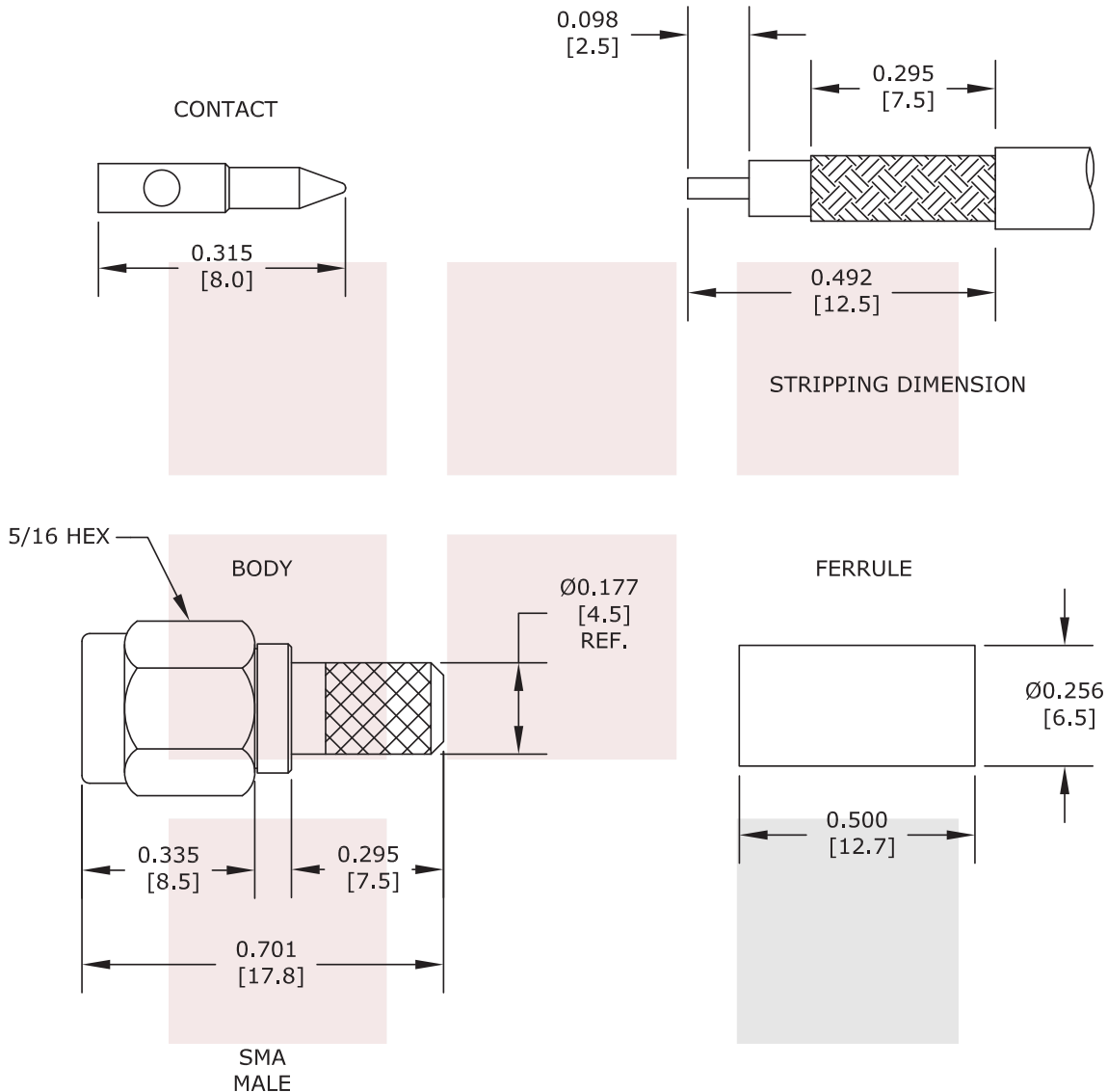
SMA Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable SC7050](#)

URL: <https://www.fairviewmicrowave.com/sma-male-standard-rg55-connector-sc7050-p.aspx>

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TITLE

SMA Male Connector Crimp/Solder Attachment For
RG55, RG142, RG223, RG400 Cable

DWG NO

SC7050

CAGE CODE

3FKR5

CAD FILE

120516

SHEET

SCALE

N/A

SIZE

A 41742