

SSMC Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable

SSMC plug connector with crimp/solder attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A and LMR-100A-FR, part number SC8860, from Fairview Microwave is in-stock and ships same day. This SSMC plug connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.5:1.

Fairview's SSMC plug connector SC8860 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			1.5:1	
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size	
Length	0.787 in [19.99 mm]
Weight	0.005 lbs [2.27 g]
Mating Cycles	500 Cycles
Mating Torque	1 in-lbs [0.11 Nm]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Beryllium Copper	Gold
Coupling Nut	Brass	Gold

Environmental Specifications

Temperature

Operating Range	-45 to +120 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Configuration:

- SSMC Plug Connector
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Interface Type
- Crimp/Solder Attachment
- 5/32 inch Hex

Features:

- Operating Frequency of 12.4 GHz Max.
- Good VSWR of 1.5:1
- Gold Plated Beryllium Copper Contact

Applications:

- General Purpose Test
- Custom Cable Assemblies

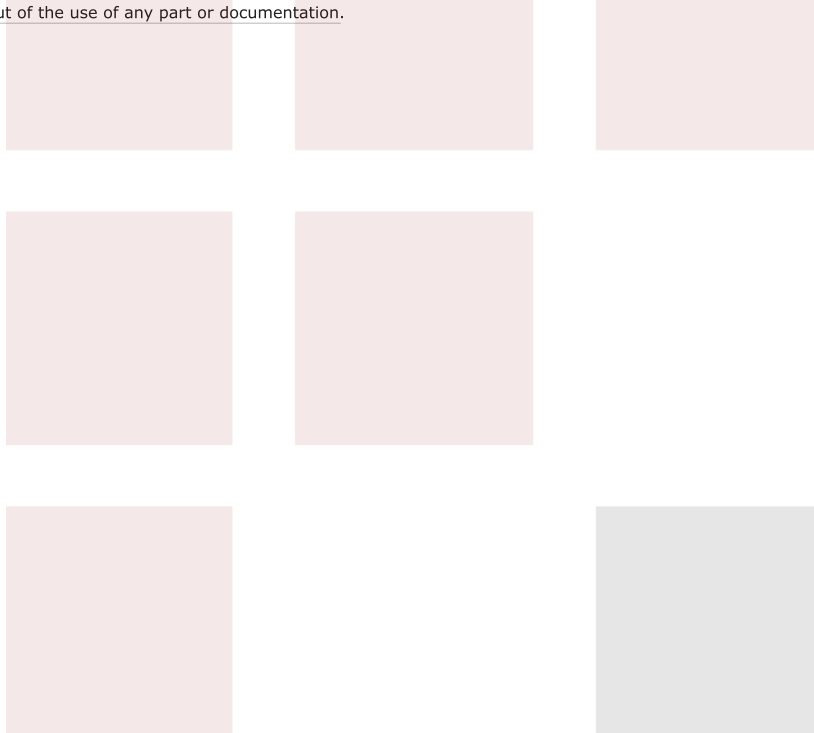
Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
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SSMC Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable from Fairview Microwave is in-stock 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

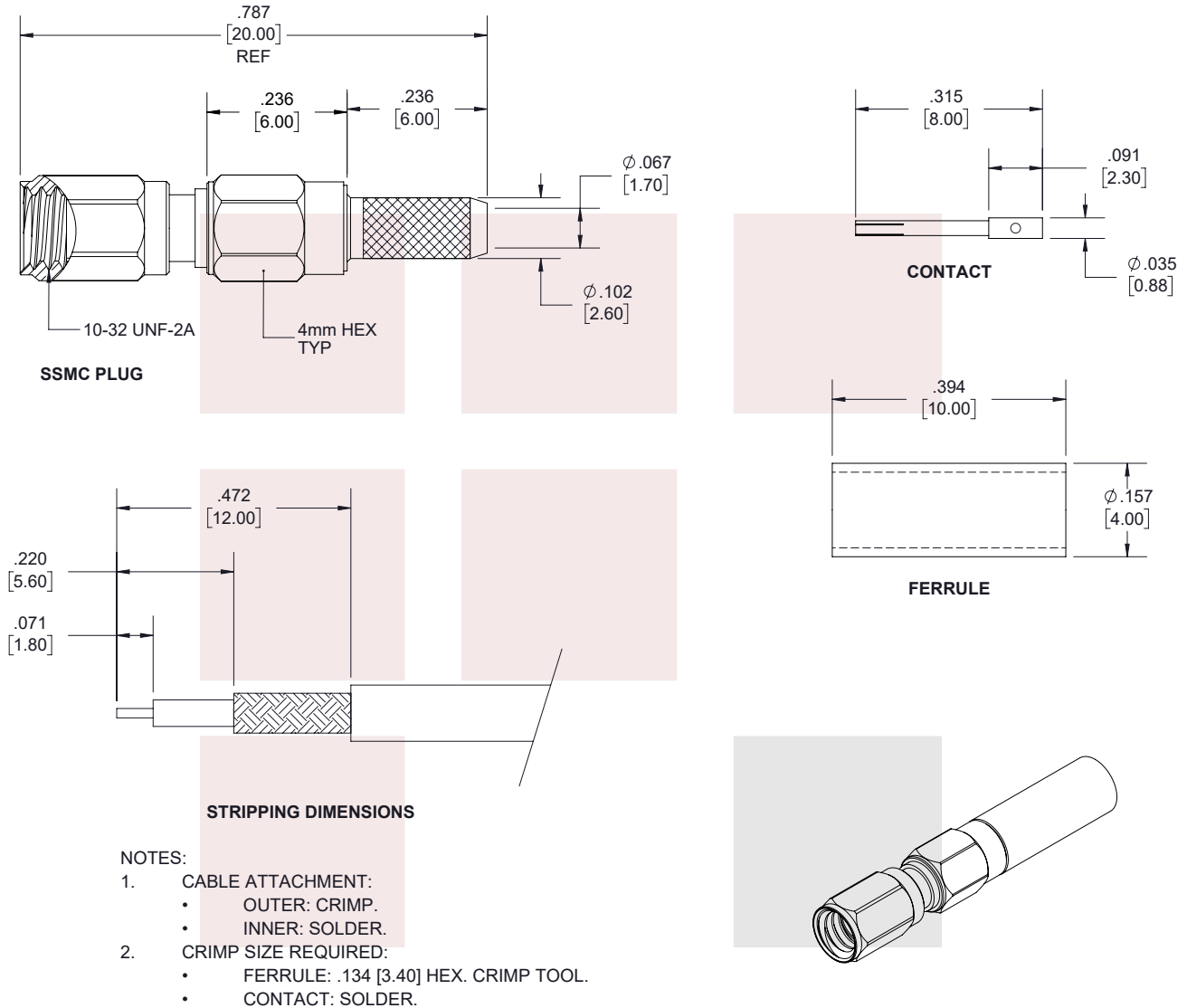
For additional information on this product, please click the following link: [SSMC Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable SC8860](#)

URL: <https://www.fairviewmicrowave.com/ssmc-male-rg316-rg174-rg188-0.100-lmr-100-lmr-100a-lmr-100a-fr-connector-sc8860-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE45209/ SC8860 2011127	12/13/19	S.ELLIS



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TITLE

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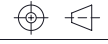
TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ± 1/32
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

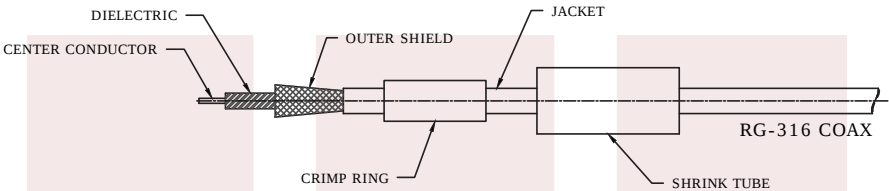
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SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	K.DANG	SC8860	A

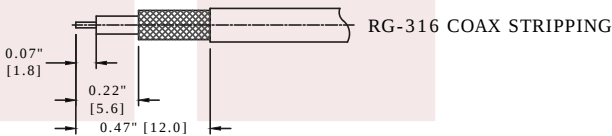
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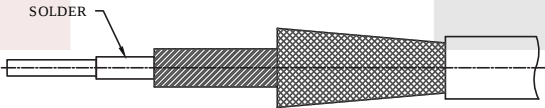
STEP 1 - STRIP THE COAX



- 1.1 SLIDE SHRINK TUBE AND CRIMP RING
ONTO CABLE
- 1.2 STRIP CABLE JACKET, OUTER SHIELD, DIELECTRIC AND
CENTER CONDUCTOR TO DIMENSIONS SHOWN
- 1.3 FLARE OUTER SHIELD AS SHOWN

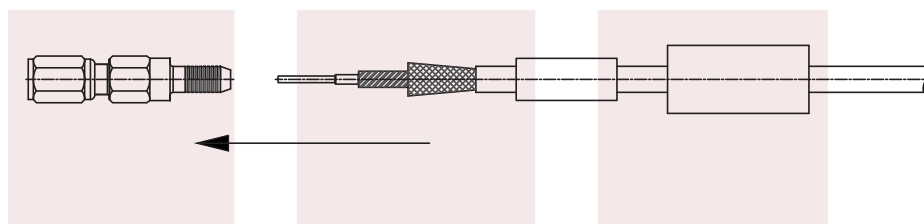


STEP 2 - PIN SOLDERING

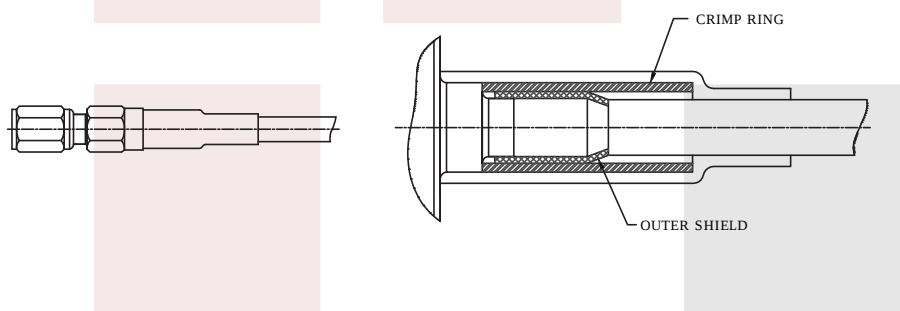


FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE SSMC Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR- 100A, LMR-100A-FR Cable		DWG NO SC8860		CAGE CODE 3FKR5	
CAD FILE	020916	SHEET	SCALE	N/A	SIZE A 5568

STEP 3 - ASSEMBLE THE CONNECTOR BODY



STEP 4 - HEAT SHRINK



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DWG NO

SC8860

CAGE CODE

3FKR5

CAD FILE

020916

SHEET

SCALE N/A

SIZE A

5568

MMCX Plug Connector Crimp/Solder Attachment For RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable

MMCX plug connector with crimp/solder attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A and LMR-100A-FR, part number SC9513, from Fairview Microwave is in-stock and ships same day. This MMCX plug connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1.

Fairview's MMCX plug connector SC9513 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			1.25:1	
Operating Voltage (AC)			250	Vrms

Mechanical Specifications

Size	
Length	0.429 in [10.9 mm]
Width/Dia.	0.177 in [4.50 mm]
Weight	0.006 lbs [2.72 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold 3 µin minimum

Environmental Specifications

Temperature	
Operating Range	-55 to +155 deg C

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

Plotted and Other Data

Notes:



Configuration:

- MMCX Plug Connector
- BS EN 122340
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Interface Type
- Crimp/Solder Attachment

Features:

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.25:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

Fairview Microwave
301 Leora Ln., Suite 100
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sales@fairviewmicrowave.com

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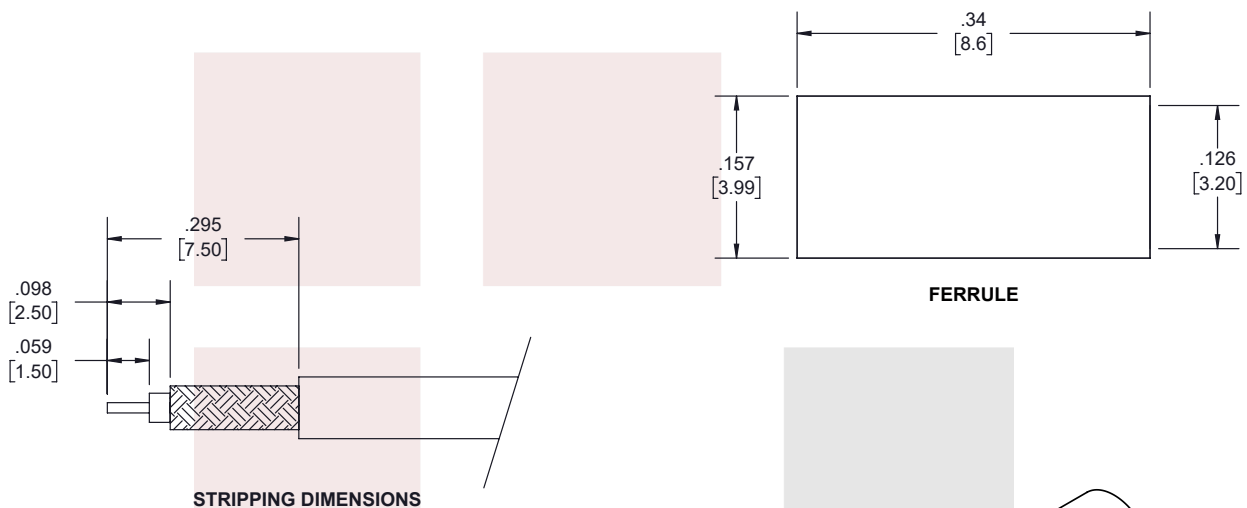
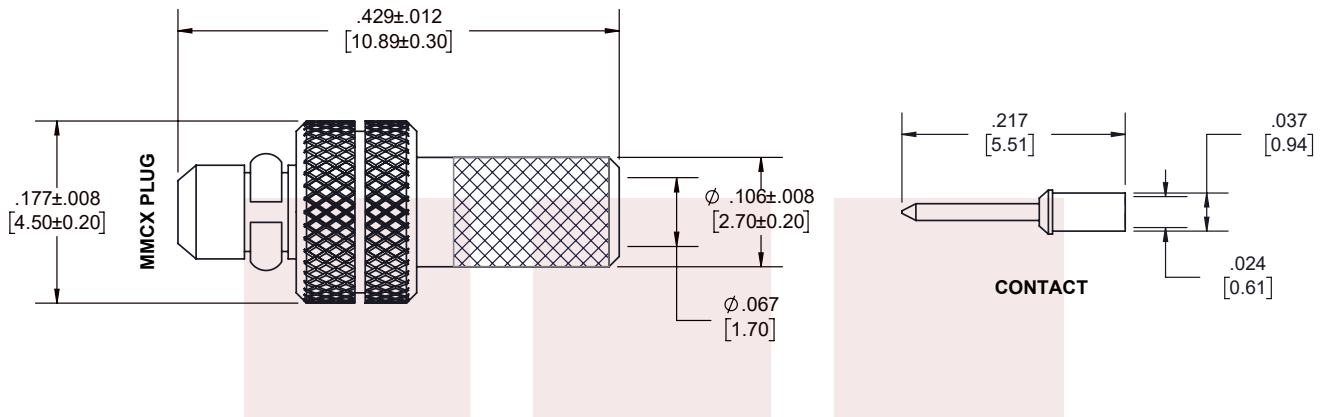
For additional information on this product, please click the following link: [MMCX Plug Connector Crimp/Solder Attachment For RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable SC9513](#)

URL: <https://www.fairviewmicrowave.com/mmcx-plug-standard-rg316-rg174-connector-sc9513-p.aspx>

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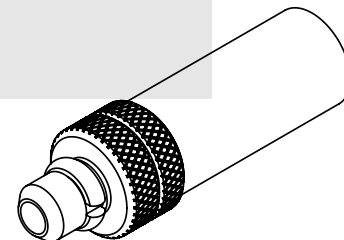


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE4896	12/3/2020	S.ELLIS



NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: CRIMP.
- CRIMP SIZE REQUIRED:
 - FERRULE: .138 [3.50] HEX. CRIMP TOOL.
 - CONTACT: .026 [0.67] HEX. CRIMP TOOL.



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SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	K.DANG	SC9513	A

T-Rev.D