

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

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MMCX 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.

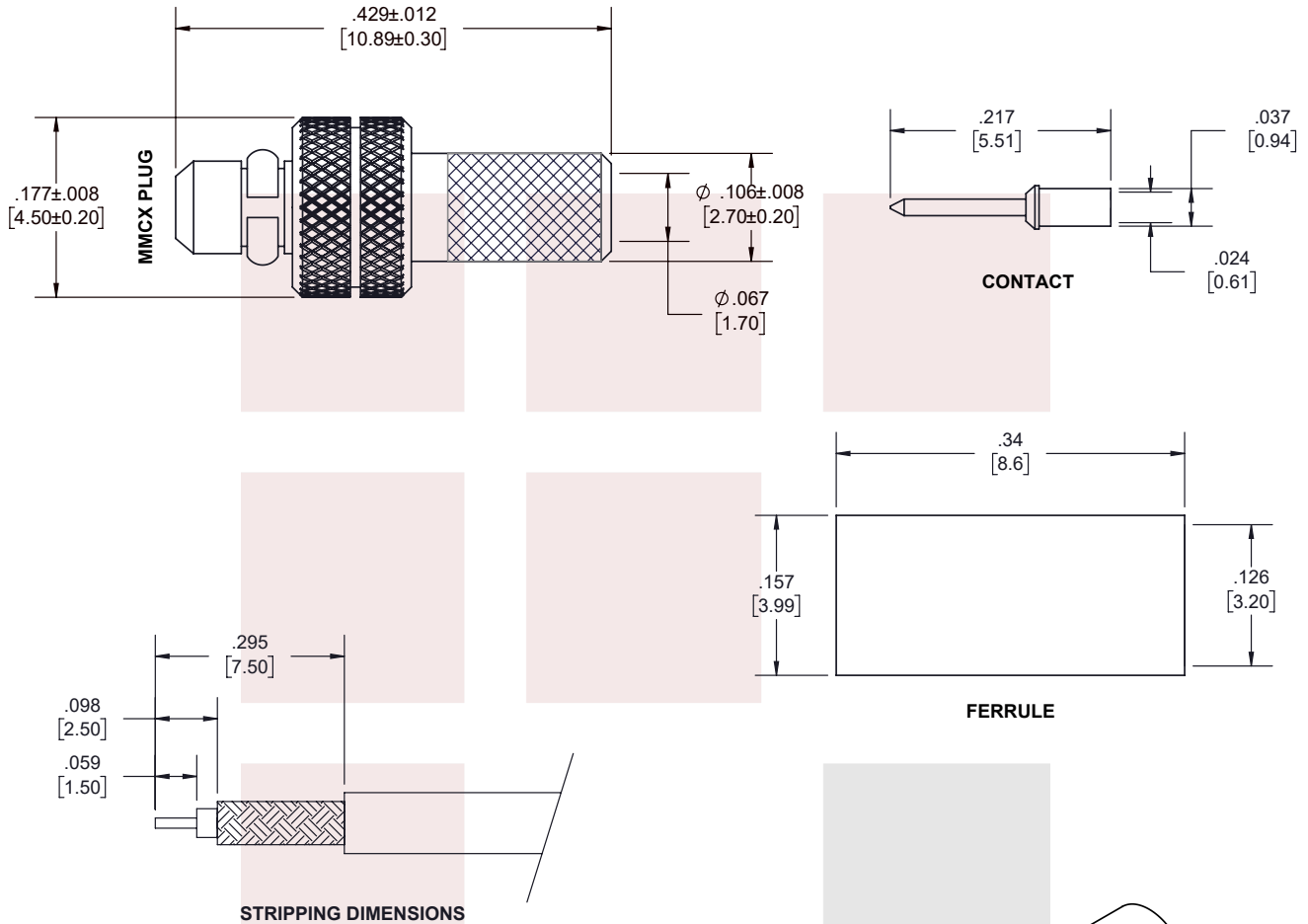
For additional information on this product, please click the following link: [MMCX Plug Connector Crimp/Solder Attachment For RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable SC9513](#)

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

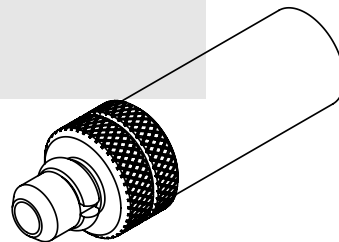
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to 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.



| 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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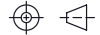
TITLE
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

| | | |
|-------------------|------------------|---|
| .X = ±.2 [5.08] | FRACTIONS ± 1/32 | L ≤ 12 [305] = +1 [25] / -0 |
| .XX = ±.02 [51] | ANGLES ± 1° | 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 |
| .XXX = ±.005 [13] | | 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

| | | | | |
|--|--------------------|--------------------|--------------------|----------|
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | | | | |
| SIZE A | CAGE CODE 3FKR5 | DRAWN BY K.DANG | ITEM NO. SC9513 | REV A |

T-Rev.D