

## MCX Plug Right Angle Non-Magnetic Connector Crimp/Solder Attachment for RG316



### FMCN45885

#### Configuration

- MCX Plug Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG316
- Non-Magnetic Design

#### Features

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.2:1
- Gold over Copper Plated Bronze Contact
- Magnetic Susceptibility 10<sup>-5</sup>

#### Applications

- General Purpose Test
- Custom Cable Assemblies
- Medical
- Military and Aerospace
- Quantum Computing

#### Description

RA MCX Plug Connector Crimp/Solder Attachment for RG316 Cable, part number FMCN45885, from Fairview Microwave is in-stock and ships same day. This MCX plug connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry facilitates connections in tight spaces. Fairview's Non Magnetic connectors are manufactured with materials that are especially adapted to non magnetism. Our non-magnetic connectors have a susceptibility of around 10<sup>-5</sup>, as opposed to 10<sup>-2</sup> for standard connectors made of brass/nickel materials. As a result, our non-magnetic connectors are transparent to the magnetic field, which means no field distortion and a higher Signal-to-Noise Ratio (SNR).

Fairview's RA MCX plug connector FMCN45885 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.2:1	
Operating Voltage (AC)			170	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Insulation Resistance	1,000			MOhms
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

Length	0.4685 in [11.9 mm]
Width	0.33858 in [8.6 mm]
Height	0.33858 in [8.6 mm]
Weight	0.002 lbs [0.91 g]
Mating Cycles	500 Cycles

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Crimp/Solder Attachment for RG316



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Material Specifications

Description	Material	Plating
Contact	Bronze	Gold over Copper
Body	Bronze	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature	
Operating Range	-55 to +125 deg C

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

Plotted and Other Data

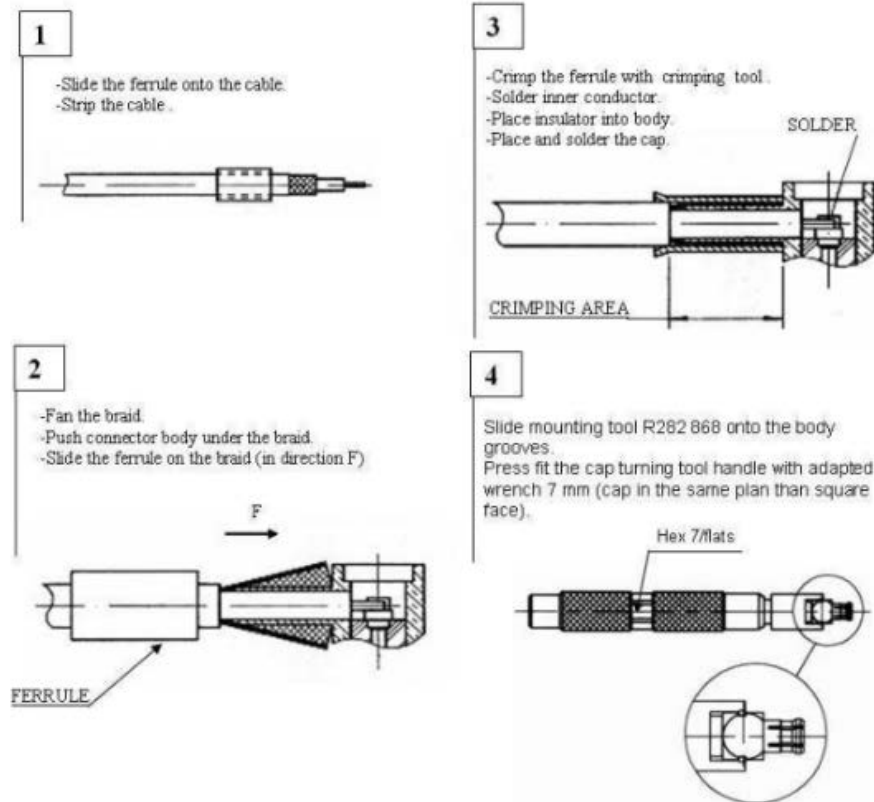
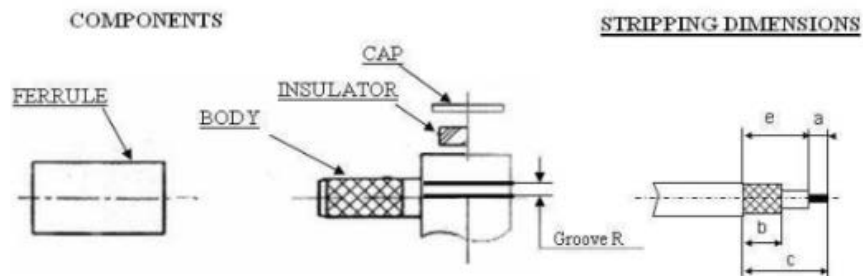
Notes:

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#### Assembly Instruction



## MCX Plug Right Angle Non-Magnetic Connector Crimp/Solder Attachment for RG316



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MCX Plug Right Angle Non-Magnetic Connector Crimp/Solder Attachment for RG316 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: [MCX Plug Right Angle Non-Magnetic Connector Crimp/Solder Attachment for RG316 FMCN45885](https://www.fairviewmicrowave.com/product/rf-connectors/mcx-plug-rg316-connector-fmcn45885.html)

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The information contained within 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 liability arising out of the use of any part or document.

FMCN45885 CAD Drawing
MCX Plug Right Angle Non-Magnetic Connector Crimp/Solder Attachment for RG316

