Fairview Microwave
an INFINITE brand

FMCN45883
DATA SHEET

Cable Termination Non-Magnetic Right-Angle PCB Mount for RG179, RG316

RA SMP Male PCB Mount Non-Magnetic PCB Mount Connector Solder Attachment for RG179 and RG316 Cable, part number FMCN45883, from Fairview Microwave is in-stock and ships same day. This SMP male connector operates up to a maximum frequency of 3 GHz. This blind mate connector is ideal for applications without direct visual or tactile access to the connection point, for example, when two circuit boards need to be mated. 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^{-5}, as opposed to 10^{-2} 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 SMP male pcb connector FMCN45883 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		3	GHz
Operating Voltage (AC)			335	Vrms
DWV (AC)			1,000	Vrms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size

Length	0.429 in [10.9 mm]
Width/Dia.	0.207 in [5.26 mm]
Height	0.207 in [5.26 mm]
Weight	0.00055 lbs [0.25 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Bronze	Gold over Copper
Body	Bronze	Gold over Copper

Configuration:

- SMP Male Connector
- 50 Ohms
- Right Angle Body Geometry
- RG179, RG316 Interface Type
- Solder Attachment
- PCB
- Non-Magnetic Design

Features:

- Operating Frequency of 3 GHz Max.
- Blind Mate Connector
- Gold over Copper Plated Bronze Contact
- Magnetic Susceptibility 10^{-5}

Applications:

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

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Environmental Specifications

Temperature

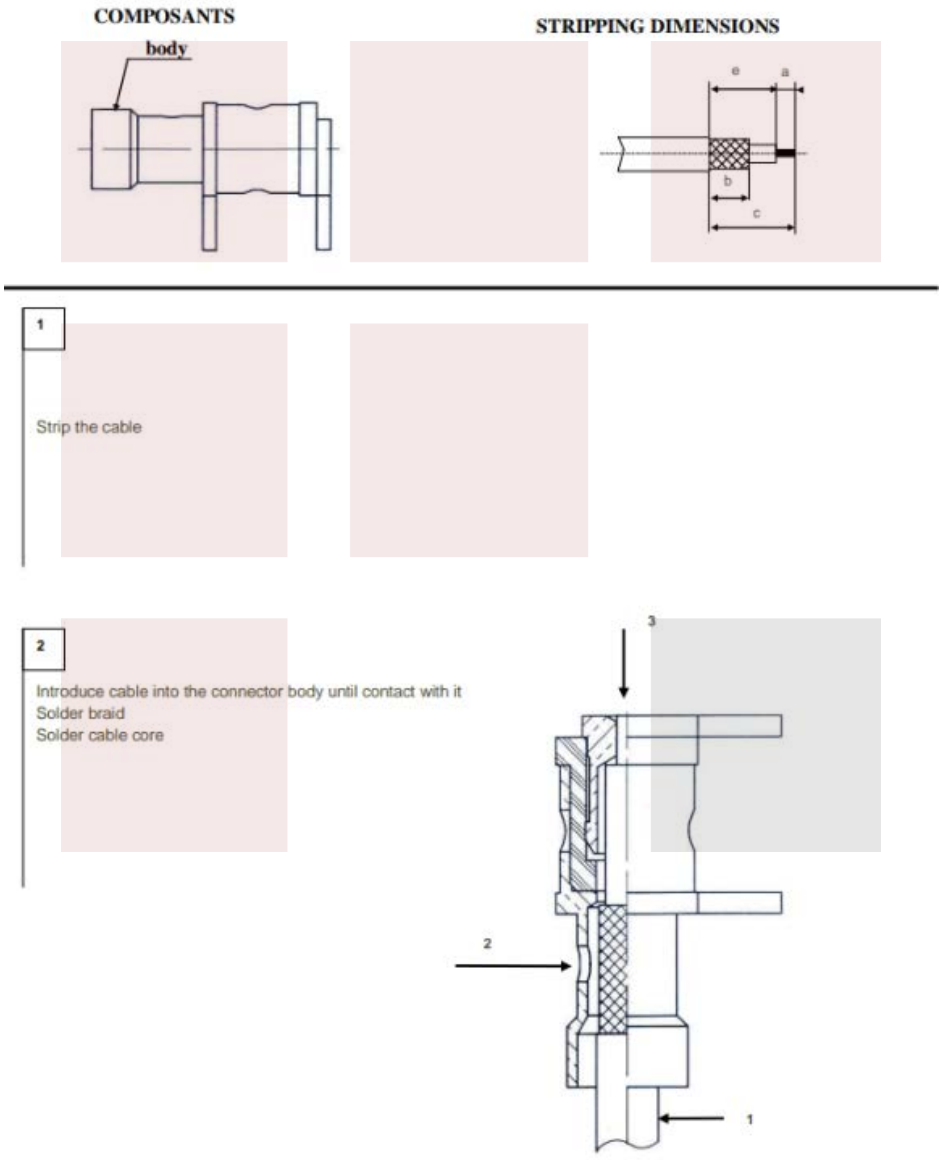
Operating Range	-55 to +155 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Assembly Instruction



Cable Termination Non-Magnetic Right-Angle PCB Mount for RG179, 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: Cable Termination Non-Magnetic Right-Angle PCB Mount for RG179, RG316 FMCN45883

URL: https://www.fairviewmicrowave.com/cable-crimp-receptacle-rg179-rg316-connector-fmcn45883-p.aspx