

## 1.0/2.3 Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch

1.0/2.3 plug connector with crimp/solder attachment for RG174, RG316, RG188, LMR-100 and .100 inch, part number FMCN1817, from Fairview Microwave is in-stock and ships same day. This 1.0/2.3 plug connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Fairview's 1.0/2.3 plug connector FMCN1817 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		4	GHz
VSWR			1.3:1	
Operating Voltage (AC)			250	Vrms

### Mechanical Specifications

<b>Size</b>	
Length	0.94 in [23.88 mm]
Width/Dia.	0.315 in [8.00 mm]
Height	0.157 in [3.99 mm]
Weight	0.015 lbs [6.8 g]

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-55 to +125 deg C

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

### Plotted and Other Data

Notes:



### Configuration:

- 1.0/2.3 Plug Connector
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, LMR-100, .100 inch Interface Type
- Crimp/Solder Attachment

### Features:

- Operating Frequency of 4 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

### Applications:

- General Purpose Test
- Custom Cable Assemblies

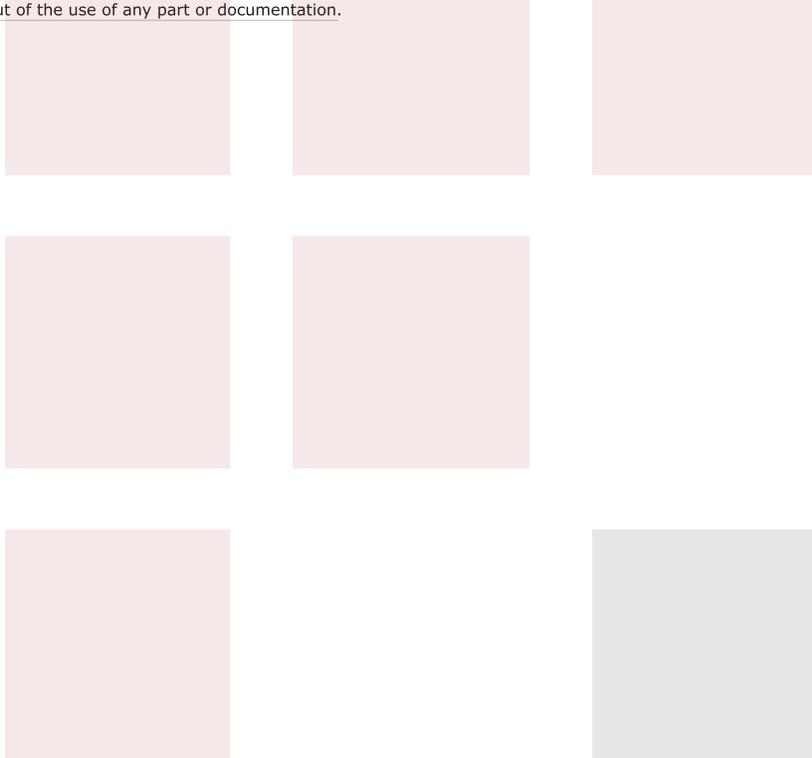
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1.0/2.3 Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

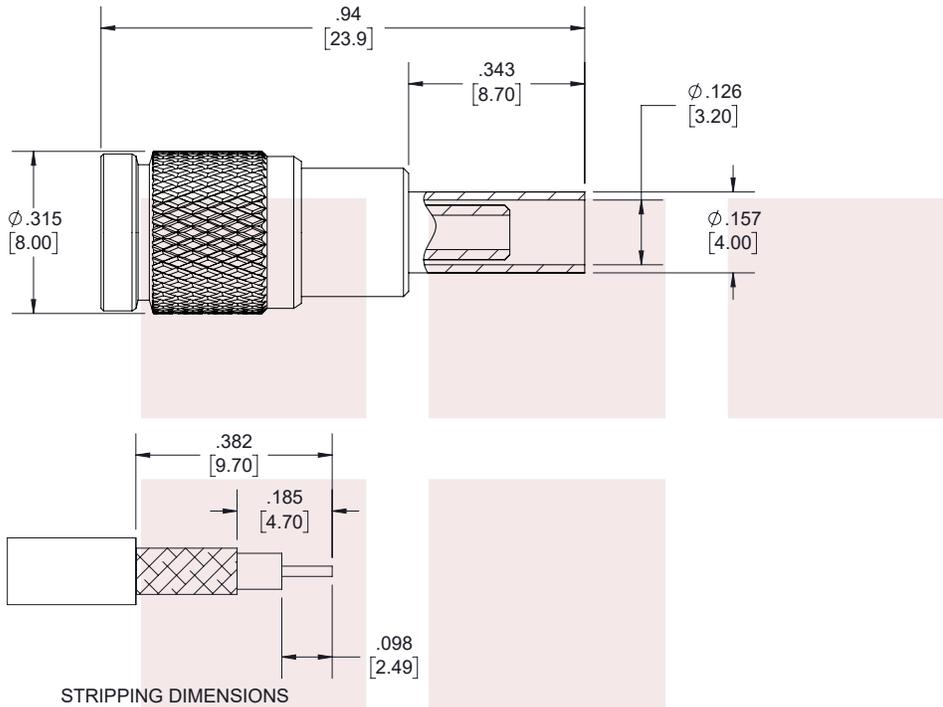
For additional information on this product, please click the following link: [1.0/2.3 Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch FMCN1817](#)

URL: <https://www.fairviewmicrowave.com/1.0-2.3-plug-rg174-rg316-rg188-lmr-100-.100-connector-fmcn1817-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	INITIAL RELEASE	02/11/2022	A.GANWANI



**NOTES:**

1. CABLE ATTACHMENT:
  - OUTER: CRIMP.
  - INNER: SOLDER/CRIMP.
2. CRIMP SIZE REQUIRED:
  - CONTACT: .36" [0.92] SQ CRIMP TOOL.
  - RERRULE: .138" [3.5] 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

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.GLEBOVA	ITEM NO. FMC1817	REV A
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