

N Female Bulkhead Connector Crimp/Solder Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100A Cable , .640 inch DD Hole

Type N female bulkhead connector with crimp/solder attachment for .100 inch, RG316, RG174, RG188, LMR-100 and LMR-100A (.640 inch DD hole), part number FMCN1603, from Fairview Microwave is in-stock and ships same day. This type N female connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.5:1. Fairview's FMCN1603 bulkhead type N connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's type N female bulkhead connector FMCN1603 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.



Configuration:

- N Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- .100 inch, RG316, RG174, RG188, LMR-100, LMR-100A Interface Type
- Crimp/Solder Attachment
- Bulkhead

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.5:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size	
Length	1.59 in [40.39 mm]
Width/Dia.	0.81 in [20.57 mm]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30μ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100μ in minimum
Crimp Sleeve	Brass	Nickel
Washer	Brass	Nickel
O-Ring	Silicone	

Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30μ in minimum contact plating

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

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Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

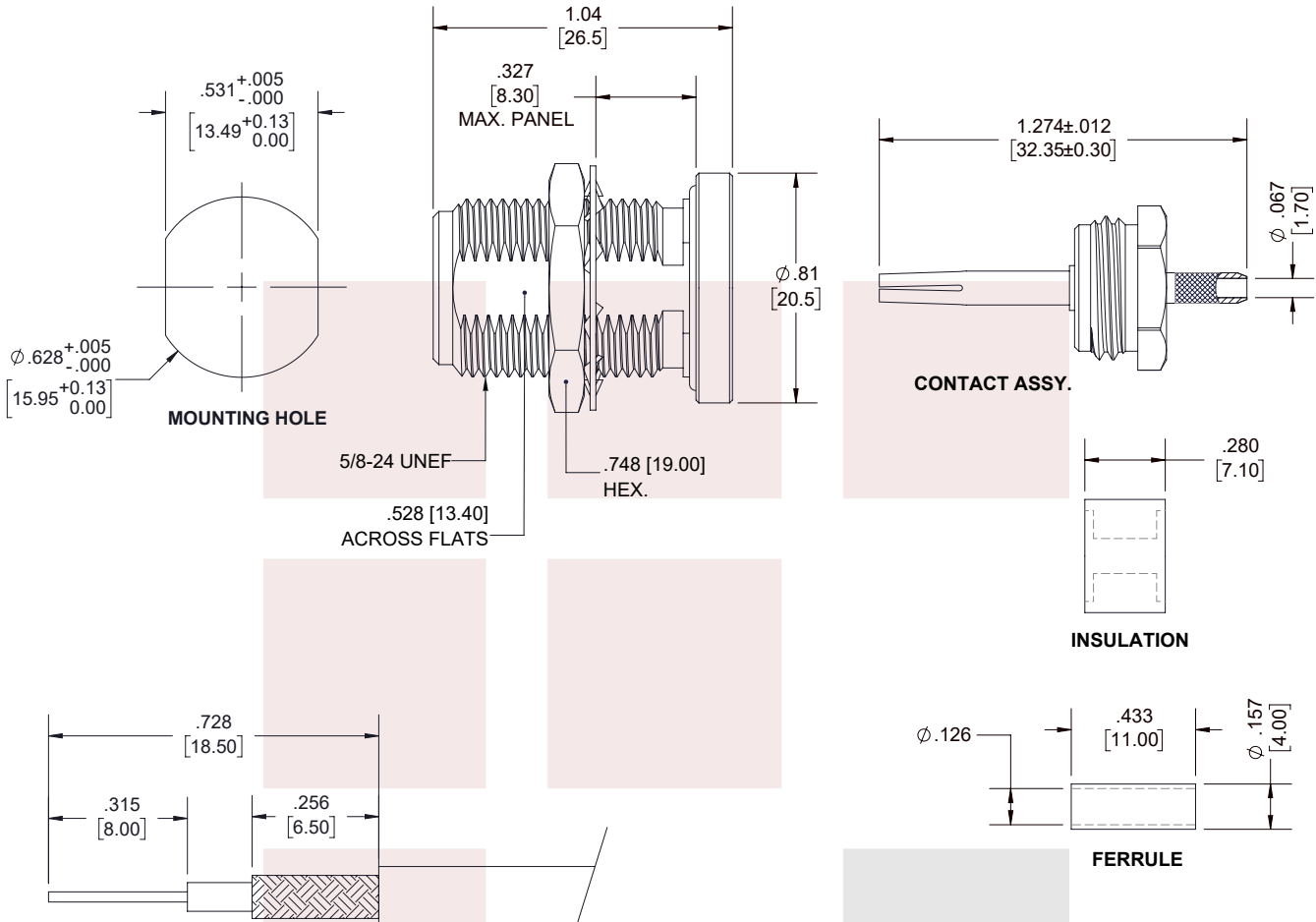
N Female Bulkhead Connector Crimp/Solder Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100A Cable , .640 inch DD Hole from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [N Female Bulkhead Connector Crimp/Solder Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100A Cable , .640 inch DD Hole FMCN1603](#)

URL: <https://www.fairviewmicrowave.com/n-female-.100-rg316-rg174-rg188-lmr-100-lmr-100a-connector-fmcn1603-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	6/23/2021	A. GANWANI



STRIPPING DIMENSIONS

NOTES:

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

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TITLE
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		THIRD-ANGLE PROJECTION	
TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
.X = ± 2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A
.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	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			
SIZE A	CAGE CODE 3FKR5	DRAWN BY KDANG	ITEM NO. FMCN1603
			REV A

T-Rev.D