

SMA Female Bulkhead PCB Connector .062 inch End Launch Solder Attachment , .250 inch Diameter .030 inch Diameter

SMA female bulkhead connector with solder attachment for .062 inch end launch PCB (.250 inch diameter), part number FMCN1188, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 18 GHz. Fairview's FMCN1188 bulkhead SMA 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 SMA female bulkhead connector FMCN1188 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:

- SMA Female Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- .062 inch End Launch Interface Type
- Solder Attachment
- Bulkhead

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
Operating Voltage (AC)			335	Vrms
DWV (AC)			1,000	Vrms
High Potential Voltage at 4 and 7 MHz			670	Vrms
Corona Discharge at 70,000 feet			250	Vrms
Insulation Resistance	5,000			MOhms

Features:

- Operating Frequency of 18 GHz Max.
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- PCB Applications

Mechanical Specifications

Size	
Length	0.687 in [17.45 mm]
Width/Dia.	0.375 in [9.53 mm]
Height	0.312 in [7.92 mm]
Weight	0.1825 lbs [82.78 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE	
Body	Brass	Gold over Nickel 10 µin minimum

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Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition D
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

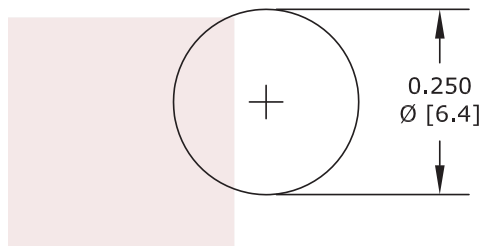
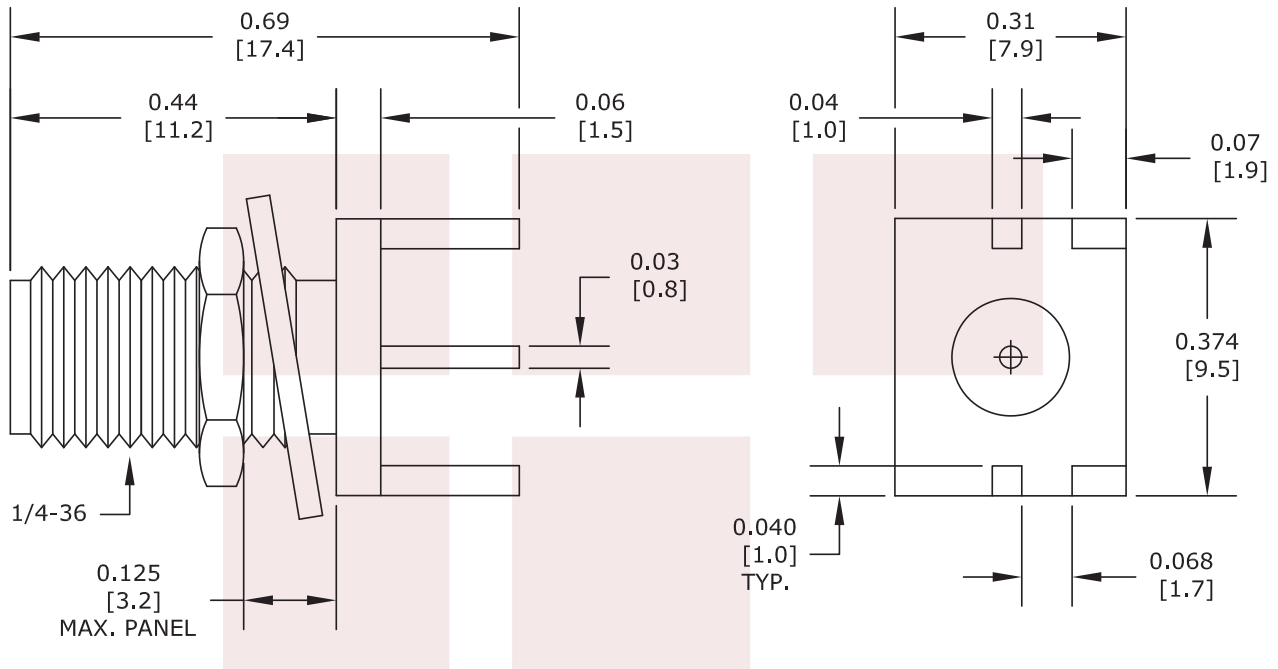
Notes:

SMA Female Bulkhead PCB Connector .062 inch End Launch Solder Attachment , .250 inch Diameter .030 inch Diameter 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Female Bulkhead PCB Connector .062 inch End Launch Solder Attachment , .250 inch Diameter .030 inch Diameter FMCN1188](#)

URL: <https://www.fairviewmicrowave.com/sma-female-.062-end-launch-pcb-connector-fmcn1188-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.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE SMA Female Bulkhead PCB Connector .062 inch End Launch Solder Attachment , .250 inch Diameter .030 inch Diameter		DWG NO FMCN1188		CAGE CODE 3FKR5	
CAD FILE	010416	SHEET	SCALE	N/A	SIZE A 2233