

Mini SMP Male Full Detent PCB Connector End Launch Solder Attachment

Mini SMP male full detent connector with solder attachment for end launch PCB, part number SC5412, from Fairview Microwave is in-stock and ships same day. This Mini SMP male connector operates up to a maximum frequency of 40 GHz and offers good VSWR of 1.35:1. 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.

Fairview's Mini SMP male connector SC5412 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		40	GHz
VSWR			1.35:1	

Mechanical Specifications

Size	
Length	0.176 in [4.47 mm]
Width/Dia.	0.18 in [4.57 mm]
Weight	0.004 lbs [1.81 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE	
Body	Beryllium Copper	Gold MIL-G-45204

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

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

Plotted and Other Data

Notes:

Configuration:

- Full Detent Mini SMP Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- End Launch Interface Type
- Solder Attachment

Features:

- Operating Frequency of 40 GHz Max.
- Good VSWR of 1.35:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

Applications:

- General Purpose Test
- Space Saving for PCB Applications

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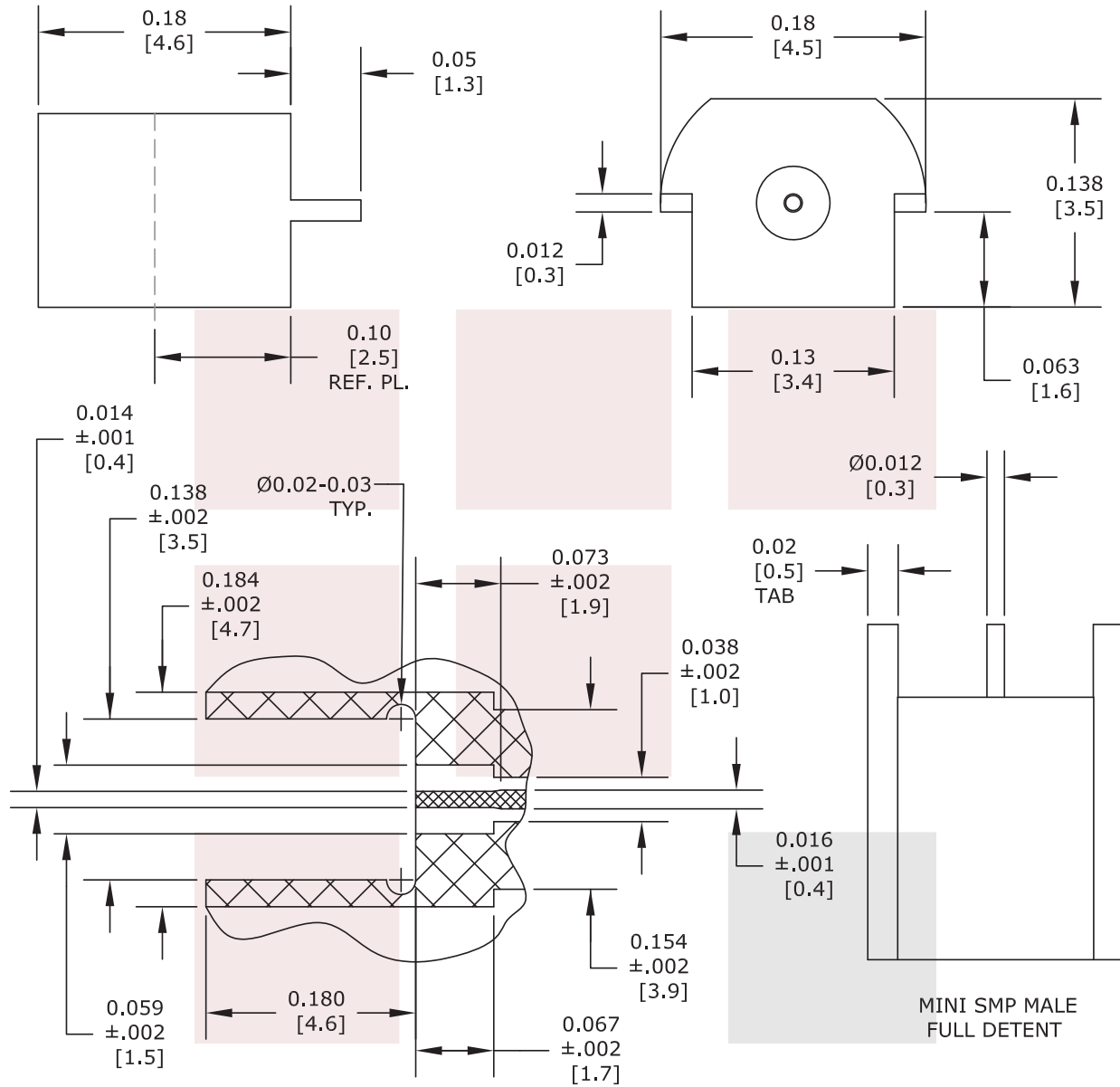
Mini SMP Male Full Detent PCB Connector End Launch Solder Attachment from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Mini SMP Male Full Detent PCB Connector End Launch Solder Attachment SC5412](#)

URL: <https://www.fairviewmicrowave.com/mini-smp-male-standard-full-detent-end-launch-pcb-connector-sc5412-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

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- 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	DWG NO	CAGE CODE
Mini SMP Male Full Detent PCB Connector End Launch Solder Attachment	SC5412	3FKR5
CAD FILE	SHEET	SCALE N/A SIZE A
113016		41742