

Mini SMP Male Full Detent PCB Connector Thru Hole Solder Attachment

Mini SMP male full detent connector with solder attachment for thru hole PCB, part number SC5464, from Fairview Microwave is in-stock and ships same day. This Mini SMP male connector operates up to a maximum frequency of 50 GHz and offers excellent VSWR of 1.25:1. 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 SC5464 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		50	GHz
VSWR			1.25:1	

Mechanical Specifications

Size	
Length	0.166 in [4.22 mm]
Width/Dia.	0.166 in [4.22 mm]
Height	0.133 in [3.38 mm]
Weight	0.005 lbs [2.27 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	Torlon	
Outer Conductor	Beryllium Copper	Gold
Body	Beryllium Copper	Gold MIL-G-45204

Environmental Specifications

Temperature	
Operating Range	-55 to +125 deg C

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

Plotted and Other Data

Notes:



Configuration:

- Full Detent Mini SMP Male Connector
- 50 Ohms
- Straight Body Geometry
- Thru Hole Interface Type
- Solder Attachment

Features:

- Operating Frequency of 50 GHz Max.
- Excellent VSWR of 1.25:1
- 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 Thru Hole 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

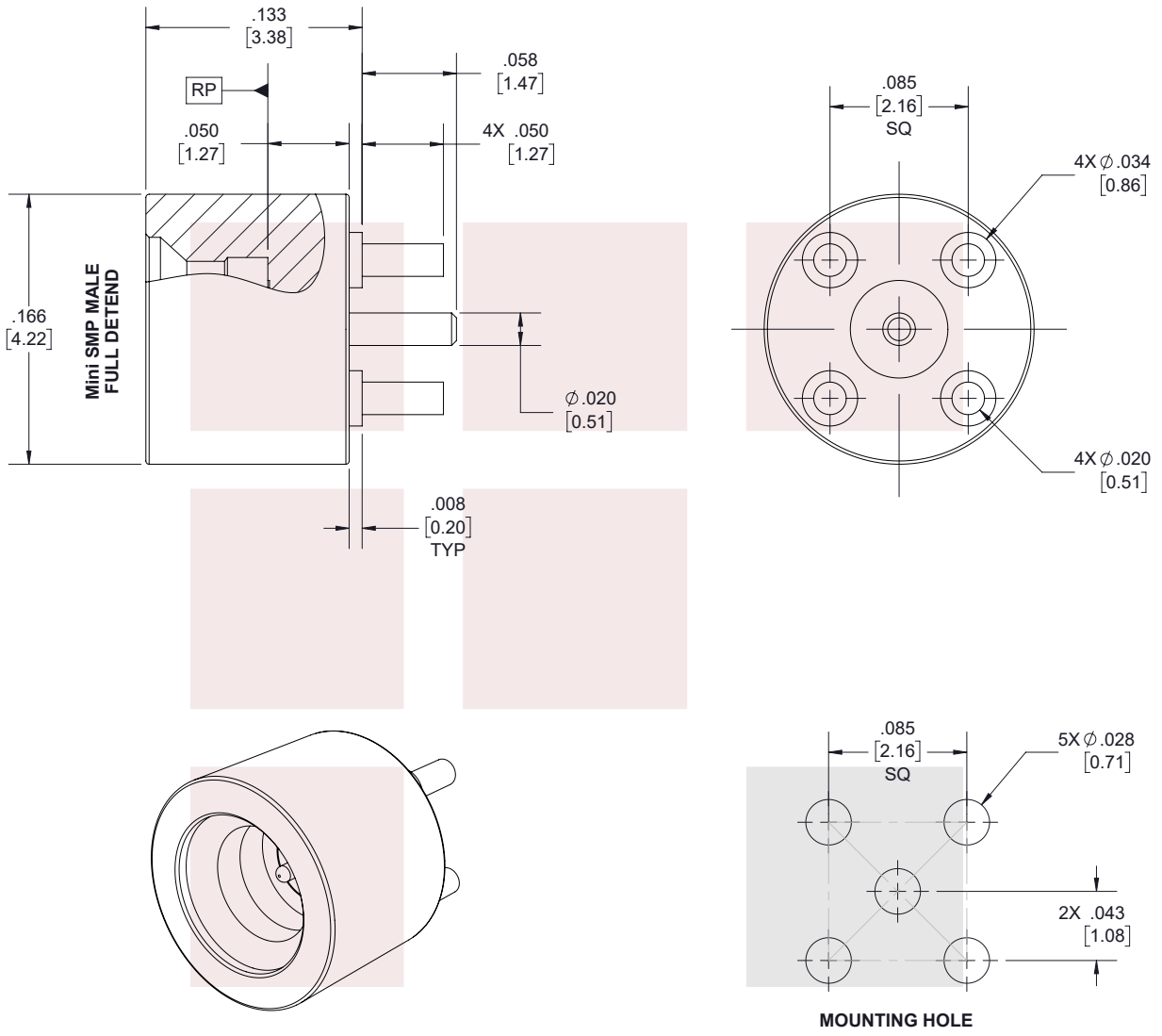
For additional information on this product, please click the following link: [Mini SMP Male Full Detent PCB Connector Thru Hole Solder Attachment SC5464](#)

URL: <https://www.fairviewmicrowave.com/mini-smp-male-standard-full-detent-thru-hole-pcb-connector-sc5464-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR 44970	12/24/2019	S.ELLIS



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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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ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.				SCALE N/A	
SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. SC5464	REV A	SHEET 1 OF 1

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