

SMP Male Smooth Bore Hermetically Sealed Connector .050 inch Pin Terminal Solder Attachment

SMP male smooth bore hermetically sealed connector with solder attachment .050 inch pin terminal, part number SC5272, from Fairview Microwave is in-stock and ships same day. This SMP male connector operates up to a maximum frequency of 40 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 SMP male connector SC5272 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			1.25:1	

Mechanical Specifications

Size	
Length	0.19 in [4.83 mm]
Width/Dia.	0.145 in [3.68 mm]
Weight	0.002 lbs [0.91 g]

Material Specifications

Description	Material	Plating
Contact	Kovar	Gold MIL-I-23011
Insulation	7070 Glass	
Outer Conductor	Kovar	Gold
Body	Kovar	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:

- Smooth Bore SMP Male Connector
- 50 Ohms
- Straight Body Geometry
- .050 inch Pin Interface Type
- Solder Attachment

Features:

- Operating Frequency of 40 GHz Max.
- Excellent VSWR of 1.25:1
- Blind Mate Connector
- Hermetically Sealed
- Gold Plated Kovar Contact
- Contact plating according to MIL-I-23011

Applications:

- General Purpose Test

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

SMP Male Smooth Bore Hermetically Sealed Connector .050 inch Pin Terminal 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.

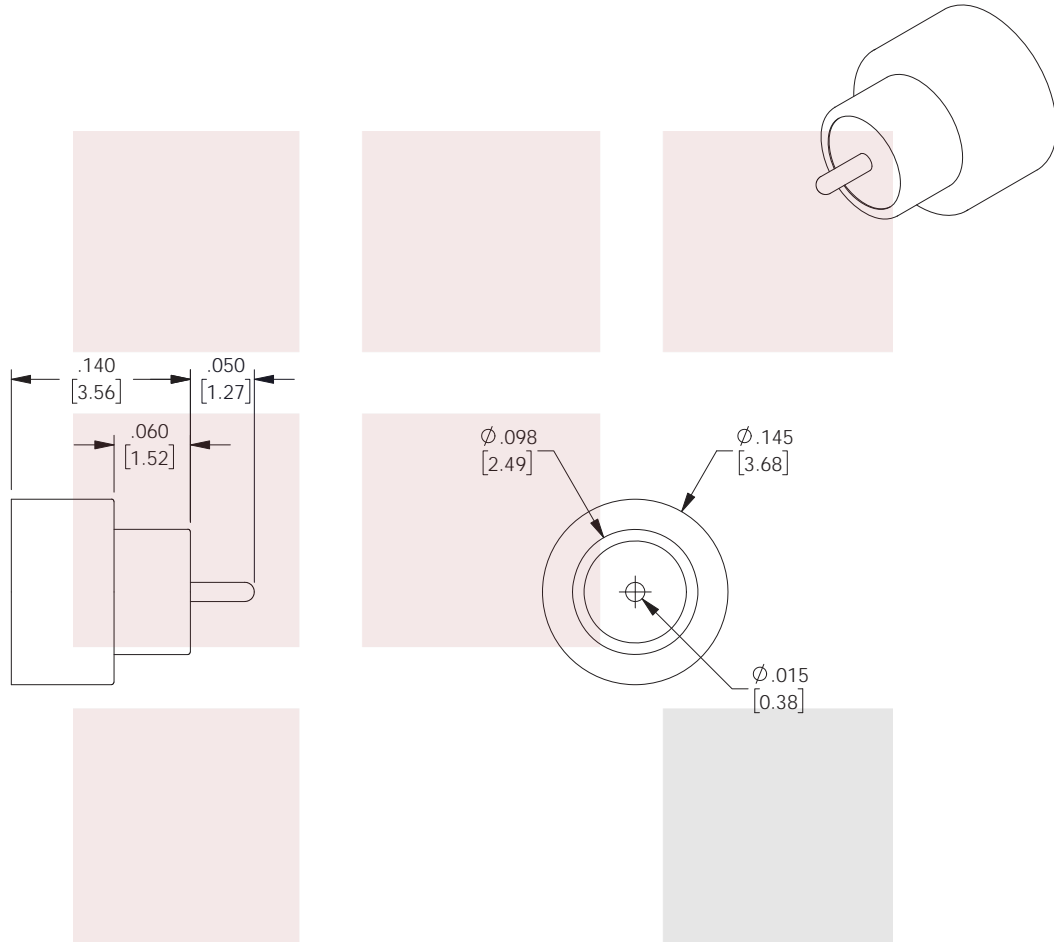
For additional information on this product, please click the following link: [SMP Male Smooth Bore Hermetically Sealed Connector .050 inch Pin Terminal Solder Attachment SC5272](#)

URL: <https://www.fairviewmicrowave.com/smp-male-standard-smooth-bore-0.050-pin-terminal-connector-sc5272-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	10/25/2021	SRAUTUS



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TITLE
SMP Male Smooth Bore Hermetically Sealed Connector
.050 inch Pin Terminal Solder Attachment

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	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	DFRISIELLO	SC5272	A

T-Rev.D