

**SMP Male Full Detent Hermetically Sealed Connector  
 .075 inch Pin Terminal Solder Attachment**

SMP male full detent hermetically sealed connector with solder attachment .075 inch pin terminal, part number SC5290, 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 SC5290 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	0.16 in [4.06 mm]
Width/Dia.	0.164 in [4.17 mm]
Weight	0.00044 lbs [0.2 g]

**Material Specifications**

Description	Material	Plating
Contact	Kovar	Gold MIL-G-45204
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:**

- Full Detent SMP Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- .075 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-G-45204

**Applications:**

- General Purpose Test

Fairview Microwave  
 1130 Junction Dr. #100  
 Allen, TX 75013  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

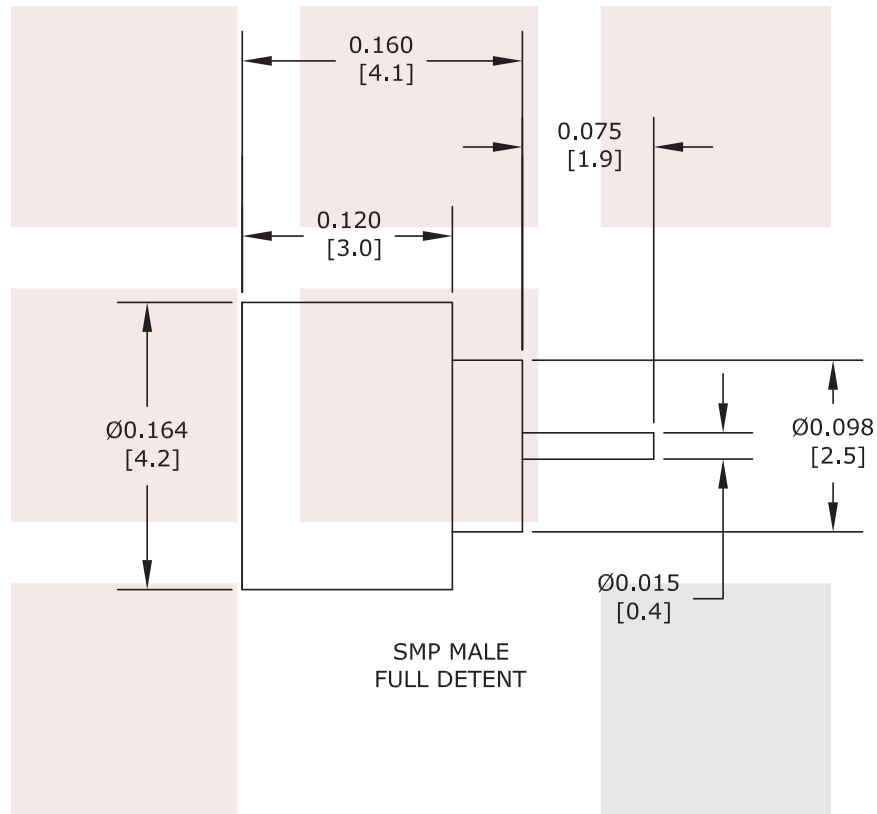
SMP Male Full Detent Hermetically Sealed Connector .075 inch Pin Terminal Solder Attachment from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMP Male Full Detent Hermetically Sealed Connector .075 inch Pin Terminal Solder Attachment SC5290](#)

URL: <https://www.fairviewmicrowave.com/smp-male-standard-full-detent-0.075-pin-terminal-connector-sc5290-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	$\pm 0.2$
.XX	$\pm 0.1$
.XXX	$\pm 0.05$

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<b>FAIRVIEW MICROWAVE INC.</b>		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].			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		DWG NO		CAGE CODE	
TITLE SMP Male Full Detent Hermetically Sealed Connector .075 inch Pin Terminal Solder Attachment		SC5290		3FKR5	
CAD FILE	112916	SHEET	SCALE	N/A	SIZE A 41742