

**SMP Male Limited Detent Hermetically Sealed Connector .030 inch Pin Terminal Solder Attachment**

SMP male limited detent solder mount hermetically sealed connector with solder attachment .030 inch pin terminal, part number SC5294, 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 solder connector SC5294 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     | 0.17 in [4.32 mm]  |
| Width/Dia. | 0.145 in [3.68 mm] |
| Weight     | 0.0022 lbs [1 g]   |

**Material Specifications**

| Description     | Material   | Plating             |
|-----------------|------------|---------------------|
| Contact         | Kovar      | Gold<br>MIL-G-45204 |
| Insulation      | 7070 Glass |                     |
| Outer Conductor | Kovar      | Gold                |
| Body            | Kovar      | Gold<br>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:**

- Limited Detent SMP Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- .030 inch Pin Interface Type
- Solder Attachment
- Solder

**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

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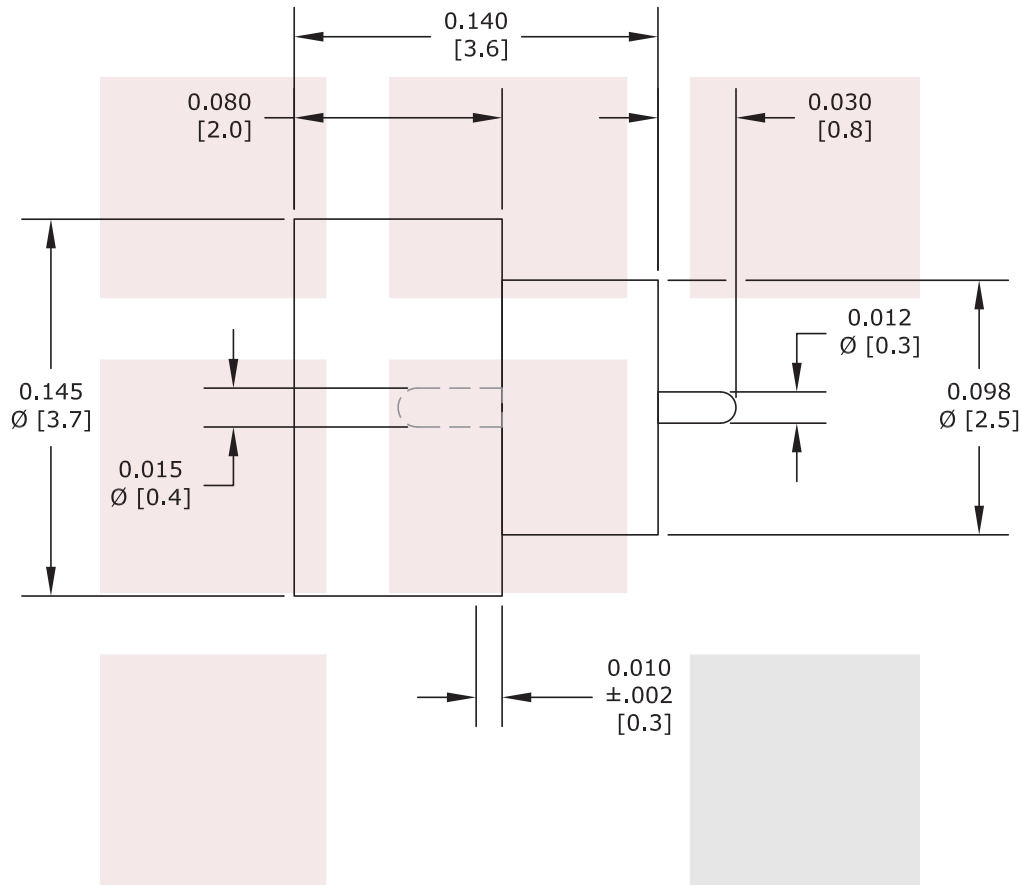
### Assembly Instruction

SMP Male Limited Detent Hermetically Sealed Connector .030 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 Limited Detent Hermetically Sealed Connector .030 inch Pin Terminal Solder Attachment SC5294](#)

URL: <https://www.fairviewmicrowave.com/smp-male-standard-limited-detent-0.030-pin-terminal-connector-sc5294-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

|   |        |   |       |                    |             |
|---|--------|---|-------|--------------------|-------------|
| <b>FAIRVIEW MICROWAVE INC.</b><br>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM                             |        | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |       |                    |             |
| TITLE<br>SMP Male Limited Detent Hermetically Sealed Connector .030 inch Pin Terminal Solder Attachment |        | DWG NO<br>SC5294  |       | CAGE CODE<br>3FKR5 |             |
| CAD FILE  | 121416 | SHEET   | SCALE | N/A                | SIZE A 2233 |