

SMP Male (Plug) Full Detent PCB Connector End Launch, Solder, Gold Plated Brass Body, Length 0.25 In

SMP male full detent connector with solder attachment for end launch PCB, part number SC5370, from Fairview Microwave is in-stock and ships same day. This SMP male connector operates up to a maximum frequency of 18 GHz and offers good VSWR of 1.3:1. 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 SC5370 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		18	GHz
VSWR			1.3:1	

Mechanical Specifications

Size	
Length	0.25 in [6.35 mm]
Width/Dia.	0.2 in [5.08 mm]
Weight	0.0078 lbs [3.54 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 μ minimum
Insulation	PTFE	
Outer Conductor	Brass	Gold
Body	Brass	Gold 30 μ minimum

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 SMP Male Connector
- 50 Ohms
- Straight Body Geometry
- End Launch Interface Type
- Solder Attachment

Features:

- Operating Frequency of 18 GHz Max.
- Good VSWR of 1.3:1
- Blind Mate Connector
- Gold Plated Brass Contact
- 30 μ minimum contact plating

Applications:

- General Purpose Test
- PCB Applications

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SMP Male (Plug) Full Detent PCB Connector End Launch, Solder, Gold Plated Brass Body, Length 0.25 In 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.

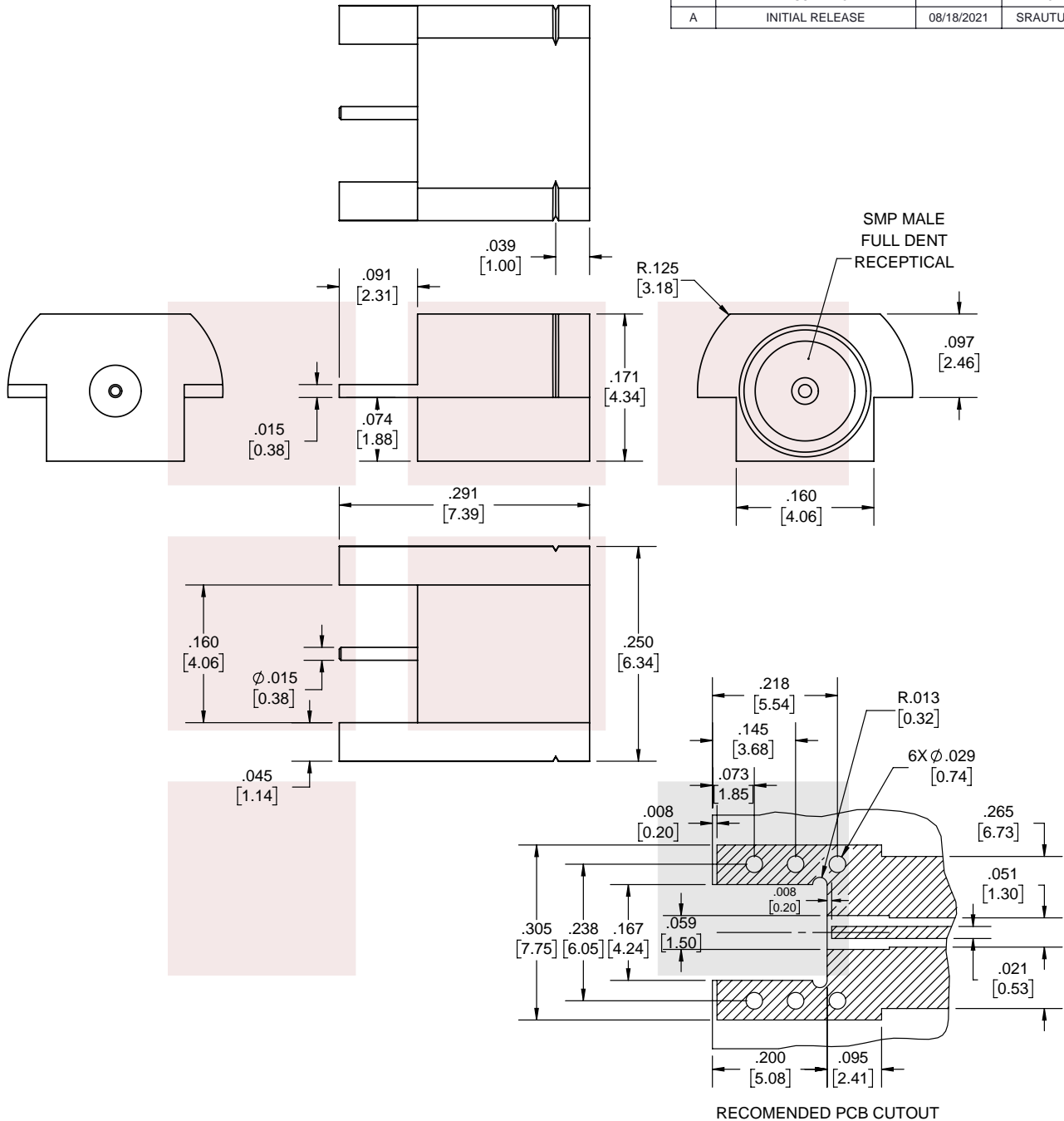
For additional information on this product, please click the following link: [SMP Male \(Plug\) Full Detent PCB Connector End Launch, Solder, Gold Plated Brass Body, Length 0.25 In SC5370](#)

URL: <https://www.fairviewmicrowave.com/smp-male-standard-full-detent-end-launch-pcb-connector-sc5370-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	08/18/2021	SRAUTUS



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TITLE

SMP Male (Plug) Full Detent PCB Connector End Launch, Solder, Gold Plated Brass Body, Length 0.25 In

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08] FRACTIONS L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51] ± 1/32 12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13] ANGLES ± 1° 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

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. SC5370	REV A
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