

SMP Male (Plug) PCB Connector Thru Hole, Solder Up To 8 GHz Full Detent



SC5191

Configuration

- SMP Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: Thru Hole

Features

- Specification: MIL-STD-348A
- Interface: Thru Hole
- Attachment: Solder
- Body Style: Straight

Applications

- General Purpose Test
- PCB Applications

Description

SC5191 SMP male PCB connector from Fairview Microwave has an interface type of thru hole and a 50 Ohm impedance. This SMP male connector uses shield attachment of solder attachment for the contact. Our male SMP PCB connector provides a minimum frequency of DC and a maximum frequency of 8 GHz.

SMP male PCB RF connector has a pei dielectric type and a VSWR of 1.1:1. This Fairview Microwave SMP PCB connector has a brass body with gold plating. Our SC5191 SMP connector uses beryllium copper contact and a gold plating material. This SMP male PCB RF connector is RoHS and up to 8 ghz full detent compliant, you can find this SMP male PCB up to 8 ghz full detent connector datasheet specifications above.

Fairview Microwave male SMP connector purchases will ship the same day. Our SMP male thru hole connector is part of over one million RF, microwave and millimeter wave components in stock and ready for same-day shipment worldwide. We also build custom SMP cable connector assemblies that will ship quickly from our location.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
VSWR			1.1:1	
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.279 in [7.09 mm]
Width	0.236 in [5.99 mm]
Height	0.236 in [5.99 mm]
Weight	0.002 lbs [0.91 g]
Mating Cycles	100 Cycles

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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-DTL-45204
Insulation	PEI	
Outer Conductor	Brass	Gold
Body	Brass	Gold MIL-DTL-45204

Environmental Specifications

Temperature

Operating Range

-55 to +155 deg C

Humidity

MIL-STD-202, Method 106 (except 7b omitted)

Shock

MIL-STD-202, Method 213, Condition I

Vibration

MIL-STD-202, Method 204, Condition D

Salt Spray

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

SMP Male (Plug) PCB Connector Thru Hole, Solder Up To 8 GHz Full Detent 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.

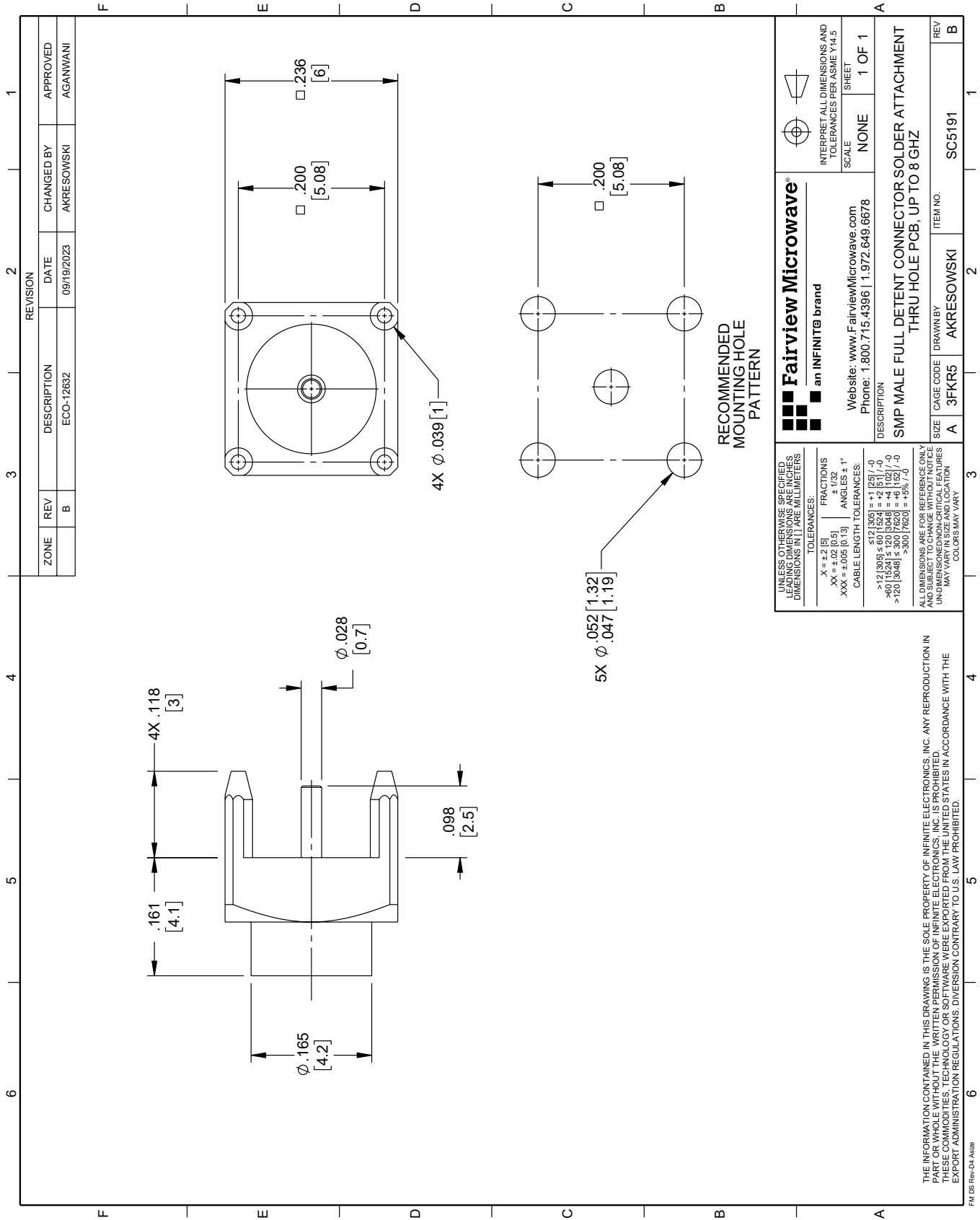
For additional information on this product, please click the following link: [SMP Male \(Plug\) PCB Connector Thru Hole, Solder Up To 8 GHz Full Detent SC5191](#)

URL: <https://www.fairviewmicrowave.com/smp-male-standard-thru-hole-pcb-connector-sc5191-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

SC5191 CAD Drawing

SMP Male (Plug) PCB Connector Thru Hole, Solder Up To 8 GHz Full Detent



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION		
	B	ECO-12632	AKRESOWSKI	AGANWANI

Fairview Microwave
an INFINITI® brand

Website: www.FairviewMicrowave.com
Phone: 1.800.715.4396 | 1.972.649.6678

DESCRIPTION: SMP MALE FULL DETENT CONNECTOR SOLDER ATTACHMENT THRU HOLE PCB, UP TO 8 GHZ

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

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

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]
 FRACTIONS ± 1/32
 ANGLES ± 1°
 CABLE LENGTH TOLERANCES:
 <12 [305] ±.60 [15.24] = ±.2 [5] / -0
 >12 [305] ±.60 [15.24] = ±.4 [10.27] / -0
 >40 [1024] ±.120 [3048] = ±.4 [10.27] / -0
 >120 [3048] ±.300 [7620] = ±.5% / 0
 >300 [7620] = ±.5% / 0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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FAIRVIEW MICROWAVE
CAGE CODE: 3FKR5
ITEM NO.: SC5191

SIZE: A
DRAWN BY: AKRESOWSKI
REV: B