Fairview Microwave
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SC5510
DATA SHEET

SMP Male Limited Detent Connector Stub Terminal Solder Attachment Thread-In



SMP male limited detent thread-in mount connector with solder attachment stub terminal, part number SC5510, from Fairview Microwave is in-stock and ships same day. This SMP male connector operates up to a maximum frequency of 50 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 thread-in connector SC5510 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		50	GHz
VSWR			1.3:1	

Mechanical Specifications

Size

Length	0.335 in [8.51 mm]
Width/Dia.	0.189 in [4.80 mm]
Weight	0.0009 lbs [0.41 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE	
Body	Passivated Stainless Steel	AMS-QQ-P-35
Lock Ring		10 lbs.

Environmental Specifications

Temperature

Operating Range	-65 to +165 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
- Stub Interface Type
- Solder Attachment
- Thread-In

Features:

- Operating Frequency of 50 GHz Max.
- Good VSWR of 1.3:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

Applications:

- General Purpose Test

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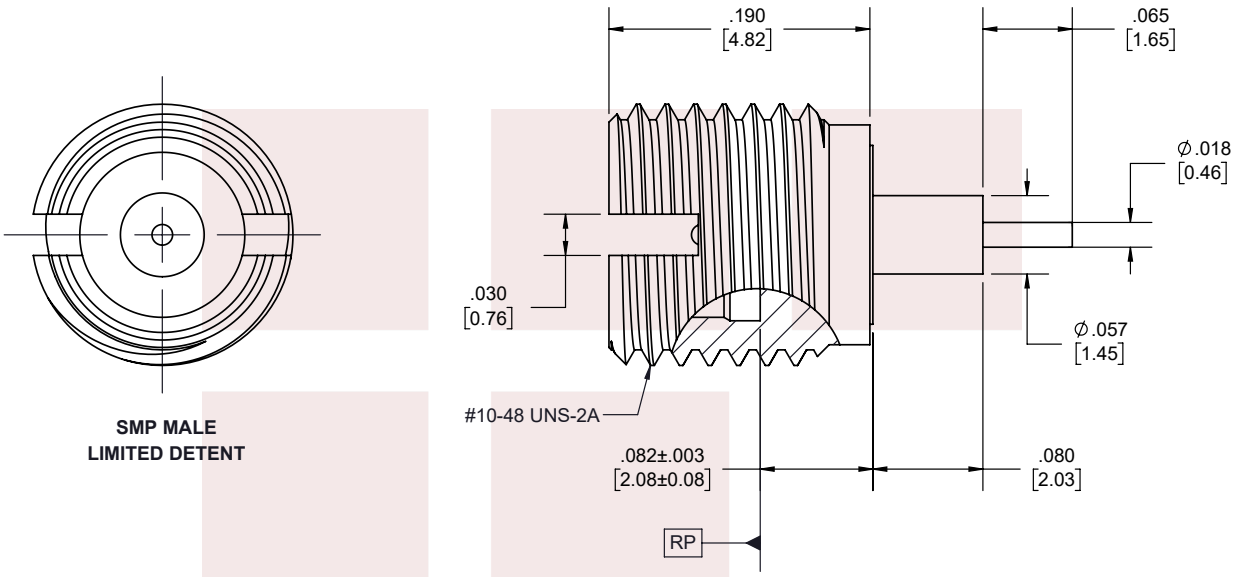
SMP Male Limited Detent Connector Stub Terminal Solder Attachment Thread-In from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: SMP Male Limited Detent Connector Stub Terminal Solder Attachment Thread-In SC5510

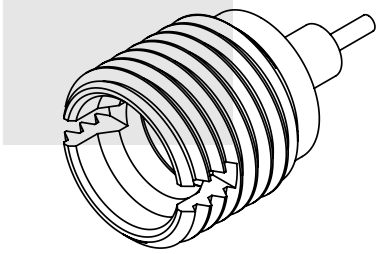
URL: https://www.fairviewmicrowave.com/smp-male-standard-limited-detent-stub-terminal-connector-sc5510-p.aspx

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	SC5510 20220613	6/14/2022	A. GANWANI



SMP MALE
LIMITED DETENT



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TITLE

SMP Male Limited Detent Connector Stub Terminal
Solder Attachment Thread-In

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

TOLERANCES:

.X = ±.2 [5.08]
.XX = ±.02 [.51]
.XXX = ±.005 [.13]
FRACTIONS ± 1/32
ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET	OF
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SCALE: N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	K.DANG	SC5510	A

T-Rev.D

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Fairview Microwave:

SM4953 FMAD1116 SM4940 SM4961 FMAD1206 SM3010 SM4208 SM4947 FMC0222085-12 SA18E-30 SM3130 SM3415 SM3416 SM4228 ST-SMA9 SC5504 SM4965 SM4968 SM4985 SM5723 FMAD1218 FMCN1351 FMCN1365 SA18H-10 FMAD1026 FMAD1608 FMCN1589 SC4821 SM4232 SM3310