

SSMC Plug Right Angle Connector Solder Attachment Thru Hole PCB



RFPCB-SMC-MR-12G-199

Configuration

- SSMC Plug Connector
- 50 Ohms
- Right Angle Body Geometry
- Thru Hole Interface Type
- Solder Attachment

Features

- Max. Operating Frequency 12.4 GHz
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-PRF-39012
- Reliable threaded coupling
- Small SSMC connector form factor (50% smaller than SMA, radially)
- IEC 60169-20 SSMC connector interface
- In stock and ready to ship

Applications

- General Purpose Test
- Space Saving for PCB Applications
- Avionics
- A/D Modules
- Data Acquisition
- Software defined radio (SDR)
- RADAR/SONAR
- Ultra Wideband Digital Receivers
- Medical equipment

Description

RFPCB-SMC-MR-12G-199 SSMC Plug right angle PCB connector available from L-com has a 50 Ohm impedance. This RF connector has a Thru Hole connector mount interface and is designed for a wide variety of Printed-Circuit Board (PCB) applications in RF and microwave systems. This SSMC Plug connector uses solder as an attachment method. Our Plug SSMC PCB connector provides a maximum frequency of 12.4 GHz. The SSMC connector is available in a 0.43-inch length and 0.15-inch width.

The L-com SSMC Plug PCB connector has a Teflon dielectric type. This SSMC PCB connector has a Beryllium Copper body with gold plating. Our RFPCB-SMC-MR-12G-199 SSMC connector has a brass contact with gold plating.

This L-com SSMC Plug connector will ship the same day as purchased. Our SSMC xplug connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for worldwide shipment. We also build SSMC custom connector cable assemblies that will ship the same day as well.

The SSMC Plug connector with 50 Ohm impedance has a weight of 0.004 lbs. This threaded RF connector has a high quality construction. The Plug coaxial connector is capable of operating at temperatures ranging from -65 deg C to 165 deg C. We currently have a variety of antenna, audio/video, Ethernet, fiber optic, and USB connectors in our portfolio that are ready to ship today. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the high-quality RF that meets your requirements.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
Insertion Loss			0.3	dB
Operating Voltage (AC)			250	Vrms
High Potential Voltage			400	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[SSMC Plug Right Angle Connector Solder Attachment Thru Hole PCB RFPCB-SMC-MR-12G-199](#)

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	5 MHz		
Inner Conductor DC Resistance		4	mOhms
Outer Conductor DC Resistance		1	mOhms
Insulation Resistance	1,000		MOhms
RF Leakage	-50		dB

Mechanical Specifications

Size

Length	0.43in	[10.92mm]
Width/Dia.	0.156in	[3.96mm]
Height	0.38in	[9.65mm]
Weight	0.006lbs	[2.72g]
Mating Cycles	500Cycles	
Mating Torque	1.75 to 2in-lbs	0.20 to 0.23Nm

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-PRF-39012
Insulation	Teflon	
Body	Brass	Gold MIL-PRF-39012

Environmental Specifications

Temperature

Operating Range	-65deg C to +165deg C
Shock	Method 213, Condition B, 75G @6ms @1/2 sine
Vibration	Method 204, Condition D (20G)
Salt Spray	Method 101, Condition B, 5% salt solution

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

Plotted and Other Data

SSMC Plug Right Angle Connector Solder Attachment Thru Hole PCB from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components. Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SSMC Plug Right Angle Connector Solder Attachment Thru Hole PCB RFPCB-SMC-MR-12G-199

URL: <https://www.l-com.com/ssmc-plug-right-angle-connector-solder-attachment-thru-hole-pcb-rfpcb-smc-mr-12g-199-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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document. 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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing

