

12.4 GHz SMA Male QD Connector Crimp/Solder Attachment for 195 Series, RG58, RG141, RG303, LMR-195, 0.195 inch

LCCN3166



Configuration

- QD SMA Male Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- 195 series, 195 series, RG58, RG141, RG303, LMR-195, .195 inch Interface Type
- Crimp/Solder Attachment

Description

The L-com LCCN3166 SMA male connector has a brass body for telecommunications, data communication, general-purpose test, industrial fields, and rack and panel mount applications. This RF connector has a straight body style and beryllium copper contact with gold over nickel plating. This threaded standard coaxial connector works on a maximum frequency of 12.4 GHz and provides an excellent maximum VSWR of 1.28.

The 12.4 GHz SMA connector is available in a 1.120-inch length, 0.510-inch width, and 0.510-inch height. The 195 series coax connector allows developers to configure and customize their signal connections however they desire. This SMA connector with crimp/solder attachment has a high-quality construction and an impedance of 50 ohms.

The LCCN3166 195 series coax RF connector has gold over nickel body plating. This 12.4 GHz brass coaxial connector comes with PTFE insulation. The SMA male connector weighs 0.007 pounds and is most used in USB software-defined radio dongles, handheld radios, mobile phone antennas, Wi-Fi antenna systems, and microwave systems.

L-com has the largest in-stock selection of RF and coaxial connectors with same-day shipping for domestic and international orders. 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 connector that meets your requirements.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.28:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage			670	Vrms
	at 4 and 7 MHz			
@@Corona Discharge			250	Vrms
	at 70,000 feet			
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:

Insertion loss = $0.06 \times \sqrt{f(\text{GHz})}$ dB max up to 6 GHz.//RF leakage: 60 dB min at 2.5 GHz.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[12.4 GHz SMA Male QD Connector Crimp/Solder Attachment for 195 Series, RG58, RG141, RG303, LMR-195, 0.195 inch LCCN3166](#)

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Mechanical Specifications

Size

Length	1.12in	[28.45mm]
Width/Dia.	0.51in	[12.95mm]
Height	0.51in	[12.95mm]
Weight	0.007lbs	[3.18g]
Mating Cycles	500Cycles	

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE	
Body	Brass	Gold over Nickel 10 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature

Operating Range	-65deg C to +165deg C
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition D
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

12.4 GHz SMA Male QD Connector Crimp/Solder Attachment for 195 Series, RG58, RG141, RG303, LMR-195, 0.195 inch 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: 12.4 GHz SMA Male QD Connector Crimp/Solder Attachment for 195 Series, RG58, RG141, RG303, LMR-195, 0.195 inch LCCN3166

URL: <https://www.l-com.com/12.4-ghz-sma-male-qd-connector-crimp-solder-attachment-195-series-rg58-rg141-rg303-lmr-195-0.195-inch-lccn3166-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.

L-com CAD Drawing

-Rev. D