

Non-Magnetic SMA Male Straight Body Connector Crimp/Solder Attachment for RG174U

LCCN45964



Configuration

- SMA Male Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- RG174, RG174NM Interface Type
- Crimp/Solder Attachment
- Non-Magnetic Design

Applications

- Medical
- Quantum Computing
- Military and Aerospace

Description

SMA male coax connector attachment LCCN45964 from L-com is in stock at our warehouse and ready to ship on the same business day as your order. Our non-magnetic RF connector has an interface type of RG174U and a 50 Ohms impedance. This male SMA coax connector operates at a maximum frequency of 6 GHz. The SMA male RF interconnect is made of non-magnetic materials that allow RF power to be carried in a magnetic field without creating distortion. L-com's SMA male straight connector uses crimp/solder as an attachment method.

This non-magnetic coax connector attachment supports high signal-to-noise ratio and has a low level of magnetic susceptibility along with no field distortion. The SMA male coax connector from L-com has a PTFE dielectric type and a VSWR of 1.21:1. The target audience for the SMA coax connector is quantum computing, military and aerospace applications as well as medical applications including MRI and patient monitoring devices. Our SMA coax connector has a Beryllium Copper body with Gold plating.

The LCCN45964 SMA connector from L-com uses Beryllium Copper contact with gold contact plating. Our high-quality RF connector features a 3 µin minimum Gold body plating specification. This straight SMA connector attachment has a gold contact plating. Our SMA male connector has a maximum operating voltage of 335 Vrms. This threaded RF connector can operate at temperatures ranging from -65 to 165 degrees C.

The LCCN45964 from L-com uses a dedicated manufacturing process, specific nickel non-magnetic plating, and raw material selection to guarantee a low magnetic susceptibility level. Make your online purchase right now to take advantage of our same business day shipping. We have no MOQ (minimum order quantity) and the connector ships the very same day from our warehouse.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.21:1	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size

Length	0.74 in [18.80 mm]
Width	0.31 in [7.92 mm]
Height	0.63 in [15.88 mm]
Weight	0.02 lbs [8.16 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Non-Magnetic SMA Male Straight Body Connector Crimp/Solder Attachment for RG174U LCCN45964](#)

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Mating Torque

3 to 5 in-lbs 0.34 to 0.57 Nm

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 µin minimum
Insulation	Teflon	
Body	Beryllium Copper	Gold 3 µin minimum
Coupling Nut	Beryllium Copper	Gold 3 µin minimum
Gasket	Silicone	
Crimp Sleeve	Brass	Gold 3 µin minimum
Washer	Beryllium Copper	

Environmental Specifications

Temperature

Operating Range

-65deg C to +165deg C

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

Plotted and Other Data

Non-Magnetic SMA Male Straight Body Connector Crimp/Solder Attachment for RG174U 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: Non-Magnetic SMA Male Straight Body Connector Crimp/Solder Attachment for RG174U LCCN45964

URL: <https://www.l-com.com/non-magnetic-sma-male-straight-body-connector-crimp-solder-attachment-rg174u-lccn45964-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.

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L-com CAD Drawing

