

12.4 GHz SMA Male Right Angle Connector Crimp/Solder Attachment for 240 Series, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



LCCN3169

Configuration

- SMA Male Connector
- 50 Ohms
- Right Angle Body Geometry
- 240 series, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Description

The L-com LCCN3169 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 right angle body style and brass contact with gold plating. This threaded standard coaxial connector works on a maximum frequency of 12.4 GHz.

The 12.4 GHz SMA connector is available in a 0.910-inch length, 0.379-inch width, and 0.715-inch height. The 240 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 LCCN3169 240 series coax RF connector has gold body plating. This 12.4 GHz brass coaxial connector comes with PTFE insulation. The SMA male connector weighs 0.006 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

Mechanical Specifications

Size

Length	0.91in	[23.11mm]
Width/Dia.	0.379in	[9.63mm]
Height	0.715in	[18.16mm]
Weight	0.006lbs	[2.72g]
Mating Torque	3 to 5in-lbs	0.34 to 0.57Nm

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 µin minimum

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 Right Angle Connector Crimp/Solder Attachment for 240 Series, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A](#)

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Insulation	PTFE	
Body	Brass	Gold 3 μin minimum
Coupling Nut	Brass	Gold 3 μin minimum

Environmental Specifications

Temperature

Operating Range -65deg C to +165deg C

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

Plotted and Other Data

12.4 GHz SMA Male Right Angle Connector Crimp/Solder Attachment for 240 Series, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A 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 Right Angle Connector Crimp/Solder Attachment for 240 Series, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A LCCN3169

URL: <https://www.l-com.com/12.4-ghz-sma-male-right-angle-connector-crimp-solder-attachment-240-series-rg8x-.240-inch-lmr-240-lmr-240-db-lmr-240-uf-b7808a-lccn3169-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 impliment 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

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	12/13/2022	AGANWANI

ASSEMBLY PROCEDURE

1. STRIP CABLE AS SHOWN IN "A." SLIDE FERRULE OVER CABLE.
2. FLAIR BRAID AND INSERT THE STRIPPED CABLE INTO THE CONNECTOR BODY AS SHOWN IN "B." POSITION THE CENTER CONDUCTOR IN THE SLOT OF THE CONNECTOR CONTACT.
3. SLIDE THE FERRULE OVER THE BRAID AS SHOWN IN "C" AND UP TO THE CONNECTOR BODY. CRIMP AS CLOSE TO THE CONNECTOR BODY AS POSSIBLE, USING A .255 [6.48] HEX CRIMPING TOOL.
4. SOLDER THE CENTER CONDUCTOR OF THE CABLE TO THE CONTACT. PRESS THE CAP DOWN INTO THE REAR APERTURE OF THE CONNECTOR BODY AS SHOWN IN "D."

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

TOLERANCES:

.X ± .2	[5.08]	FRACTIONS ± .132
.XX ± .02	[.51]	ANGLES ± 1°
.XXX ± .005	[.13]	

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	± .1 [25]
12 [305] < L ≤ 60 [1524]	± .2 [51]
60 [1524] < L ≤ 120 [3048]	± .4 [102]
120 [3048] < L ≤ 300 [7620]	± .6 [152]
300 [7620] < L ≤ ∞ [L]	± .8 [203]

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

ITEM NO. LCCN3169

REV A