

12.4 GHz SMA Female Bulkhead Mount Connector Solder Attachment
for .085 Semi-Rigid, LC085TB, RG405, .235 inch D Hole



LCCN3130

Configuration

- SMA Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- .085 Semi-rigid, LC085TB, RG405 Interface Type
- Solder/Solder Attachment
- Bulkhead

Description

The L-com LCCN3130 SMA female connector has a stainless steel 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 plating. This threaded standard coaxial connector works on a maximum frequency of 12.4 GHz and provides an excellent maximum VSWR of 1.50.

The 12.4 GHz SMA connector is available in a 0.748-inch length, 0.433-inch width, and 0.433-inch height. This straight coaxial connector has bulkhead mount with 0.235-inch hole spacing. The .085 semi-rigid coax connector allows developers to configure and customize their signal connections however they desire. This SMA connector with solder/solder attachment has a high-quality construction and an impedance of 50 ohms.

The LCCN3130 .085 semi-rigid coax RF connector with bulkhead mount has gold body plating. This 12.4 GHz stainless steel coaxial connector comes with PTFE insulation. The SMA female 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			1.5:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms

Mechanical Specifications

Size

Length	0.748in	[19mm]
Width/Dia.	0.433in	[11.00mm]
Height	0.433in	[11mm]
Weight	0.007lbs	[3.18g]

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 Female Bulkhead Mount Connector Solder Attachment for .085 Semi-Rigid, LC085TB, RG405, .235 inch D Hole LCCN3130](#)

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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 µin minimum
Insulation	PTFE	
Body	Stainless Steel	Gold 30 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 Female Bulkhead Mount Connector Solder Attachment for .085 Semi-Rigid, LC085TB, RG405, .235 inch D Hole 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 Female Bulkhead Mount Connector Solder Attachment for .085 Semi-Rigid, LC085TB, RG405, .235 inch D Hole LCCN3130

URL: <https://www.l-com.com/12.4-ghz-sma-female-bulkhead-mount-connector-solder-attachment-.085-semi-rigid-lc085tb-rg405-.235-inch-d-hole-lccn3130-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

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

1/4-36 UNS-2A
MAX PANEL
.09 [2.4]
.08 [2.1]
.75 [19.0]
.41 [10.5]
.433 [11.0] HEX

.24 MIN [6.00 MIN]
MOUNTING HOLE
Ø .25 MIN [6.35 MIN]

A
.098 [2.50]

B
.016 [0.40]

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER CONDUCTOR.
2. SHIM CONTACT AS SHOWN IN (B) & SOLDER CONTACT TO CENTER CONDUCTOR.
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO BODY.

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

TOLERANCES:
.X ± .2 [5.08] FRACTIONS ± .132
.XX ± .02 [1.51] ANGLES ± 1°
.XXX ± .005 [1.3] 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 ± .6% L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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SCALE N/A		REV A
SIZE A	CAGE CODE DFRISIELLO	ITEM NO. LCCN3130

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