

18 GHz SMA Female Connector Solder Attachment
for .047 Semi-Rigid, .047 Formable



LCCN3150

Configuration

- SMA Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- .047 Semi-rigid, .047 Semi-rigid, .047 Formable Interface Type
- Solder/Solder Attachment

Description

The L-com LCCN3150 SMA female 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 plating. This threaded standard coaxial connector works on a maximum frequency of 18 GHz.

The 18 GHz SMA connector is available in a 0.460-inch length, 0.250-inch width, and 0.250-inch height. The .047 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 LCCN3150 .047 semi-rigid coax RF connector has gold body plating. This 18 GHz brass coaxial connector comes with PTFE insulation. The SMA female connector weighs 0.008 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		18	GHz
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size

Length	0.46in	[11.68mm]
Width/Dia.	0.25in	[6.35mm]
Height	0.25in	[6.35mm]
Weight	0.008lbs	[3.63g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[18 GHz SMA Female Connector Solder Attachment for .047 Semi-Rigid, .047 Formable LCCN3150](#)

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		MIL-G-45204
Insulation	PTFE	
Body	Brass	Gold
		MIL-G-45204

Environmental Specifications

Temperature

Operating Range -65deg C to +165deg C

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

Plotted and Other Data

18 GHz SMA Female Connector Solder Attachment for .047 Semi-Rigid, .047 Formable 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: 18 GHz SMA Female Connector Solder Attachment for .047 Semi-Rigid, .047 Formable LCCN3150

URL: <https://www.l-com.com/18-ghz-sma-female-connector-solder-attachment-.047-semi-rigid-.047-formable-lccn3150-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.

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

1/4-36 UNS-2A

1/4 HEX

Ø.08 [2.0]

.46 [11.6]

.04 [1.0]

.10 [2.5]

STRIPPING DIMENSIONS

ASSEMBLY PROCEDURE

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. SLIDE CABLE THROUGH BODY.
2. INSERT CENTER CONDUCTOR INTO CONTACT UNTIL DIELECTRIC BOTTOMS INSIDE CONTACT. SOFT SOLDER CONTACT TO CENTER CONDUCTOR. DO NOT OVER HEAT DIELECTRIC.
3. USING ASSEMBLY TOOL, PRESS CONTACT FULLY INTO INSULATOR. SOLDER OUTER CONDUCTOR TO BODY.

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T-Rev:0

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

TOLERANCES:

.X ± .2	[5.08]	FRACTIONS
.XX ± .02	[.51]	± 1/32
XXX ± .005	[.13]	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	± .8% L	/-0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

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SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	43321	AKRESOWSKI	LCCN3150
			REV
			A