

SMA Female to SMC Jack Adapter



LCAD9147

Configuration

- SMA Female Connector 1
- SMC Jack Connector 2
- Impedance 50 Ohm
- Straight Body Geometry

Description

The L-com LCAD9147 Standard adapter has a straight body geometry and is suitable for general-purpose test applications. This RF adapter has an SMA Female to SMC Jack connector and a PTFE dielectric, which makes it resistant to lubricants and fuels. The Female coaxial adapter has a Brass contact.

This Standard adapter has an SMA interface compliant with MIL-STD-348A that brings interoperability of coaxial connectors, as well as a basis for the Hi-Rel design and construction of these components. This L-com connector RF adapter can operate at a temperature range of -65 to 165 deg C and has high repeatability.

The LCAD9147 coaxial adapter has a maximum frequency range of 10 GHz and is most used for Testing, Measurement, Satcom, Military, and Defense industries. This RF adapter has Gold plating and is designed to enable connections in RF and microwave systems between two of the same or different connector types. The L-com SMA adapter is constructed with a brass body and has no plating.

The SMA Female adapter is one of the thousands of RF products available from L-com in-stock inventory with same-day shipment for domestic and international orders. Make your online purchase right now for a high-quality 10 GHz coaxial adapter and take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the perfect Brass RF adapter for your requirement.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
VSWR		1.3:1		

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Size		
Length	0.71in	18.03mm]
Width	0.25in	[6.35mm]
Height	0.25in	[6.35mm]
Weight	0.006lbs	[2.72g]

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Description	Connector 1	Connector 2
Type	SMA Female	SMC Jack
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		SMC Jack	
Contact	Brass	Gold 3 μ-in minimum	Brass	Gold 3 μ-in minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel 100 μ-in minimum	Brass	Nickel 100 μ-in minimum

Environmental Specifications

Temperature

Operating Range -65°C to +165°C

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

Plotted and Other Data

SMA Female to SMC Jack Adapter 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. 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	10/06/2022
		APPROVED AGANWANI

Technical drawing of the SMA Female to SMC Jack Adapter. The drawing shows a side view of the adapter with the following dimensions and labels:

- Total length: $.71$ [17.9]
- SMC JACK section: $10-32$ UNF-2A
- Hexagonal section: $1/4$ HEX
- Threaded section: $1/4-36$ UNS-2A
- SMC JACK section: SMA FEMALE
- Length of SMA FEMALE section: $.26$ [6.5]

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

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an INFINITE brand

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

TOLERANCES:

X = ±.2 [5.08]	FRACTIONS ± 1/32
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	±.5% [L]

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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