

SMA Female to MMBX Plug Snap-On Adapter, With Male Center Contact



LCAD91361

Configuration

- SMA Female Connector 1
- Snap-On MMBX Plug Connector 2
- Impedance 50 Ohm
- Straight Body Geometry

Features

- Reliable Snap-On connection method
- Mechanical misalignment tolerance of 4.5°/0.7mm Max

Applications

- Low cost blind mate interconnect
- Multi circuit board radios
- Board to board applications requiring multiple coaxial connections

Description

The L-com LCAD91361 Standard adapter has a straight body geometry and is suitable for general-purpose test applications. This RF adapter has an SMA Female to MMBX Plug connector and a PTFE dielectric, which makes it resistant to lubricants and fuels. The Female coaxial adapter has a Beryllium Copper contact and a maximum operating AC voltage of 330 Vrms.

This Standard adapter has an SMA interface that brings interoperability of coaxial connectors, as well as a basis for the Hi-Rel design and construction of these components. This L-com 330 Vrms connector RF adapter can operate at a temperature range of -55 to 155 deg C and has high repeatability.

The LCAD91361 coaxial adapter has a maximum frequency range of 12.4 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 Beryllium Copper body and has Gold 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 12.4 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 Beryllium Copper RF adapter for your requirement.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.08:1	
Insertion Loss			0.42	dB

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Operating Voltage (AC)		330	Vrms
Dielectric Withstanding Voltage (AC)		500	Vrms
Insulation Resistance	1,000		MOhms

Mechanical Specifications

Size			
Length	0.58in	14.73mm]	
Width	0.25in	[6.35mm]	
Height	0.25in	[6.35mm]	
Weight	0.0094lbs	[4.26g]	

Description	Connector 1	Connector 2
Type	SMA Female	MMBX Plug
Polarity	Standard	Standard
Mating Cycles	500	500
Contact Captivation Axial Force, Min	2.25 lbs [1.02 kg]	2.25 lbs [1.02 kg]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		Snap-On MMBX Plug	
Contact	Beryllium Copper	Gold 51μ in. minimum	Beryllium Copper	Gold 51μ in. minimum
Insulation	PTFE		PTFE	
Outer Conductor	Beryllium Copper	Gold 8μ in. minimum	Beryllium Copper	Gold 8μ in. minimum
Body	Beryllium Copper	Gold 8μ in. minimum	Beryllium Copper	Gold 8μ in. minimum

Environmental Specifications

Temperature

Operating Range	-55°C to +155°C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

SMA Female to MMBX Plug Snap-On Adapter, With Male Center Contact 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 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. 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
A	INITIAL RELEASE	10/06/2022
		APPROVED AGANWANI

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 =	+5% / -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 A

CASE CODE 43321

DRAWN BY KGLEBOVA

ITEM NO. LCAD91361

REV A

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