

Coaxial Adapter, SMB Tee Plug / Jack / Jack



LCAD30021

Configuration

- SMB Plug Connector 1
- SMB Jack Connector 2
- Impedance 50 Ohm
- Tee Body Geometry

Features

- Provides In-Series SMB Connections
- Gold Plated Center Contacts

Applications

Description

These L-com RF Coaxial Adapters are used to interface between SMB to SMB with coaxial connections. The LCAD30021 is a tee adapter with a plug to jack configuration. This Coaxial Adapter, SMB Tee Plug / Jack / Jack is made from brass and has a gold finish. The SMB interface is smaller than an SMA and uses a snap on connection. An important difference to note is that the SMB Jack (female) interface design has a Male center contact and the SMB Plug (Male) design uses a female socket for the center pin. SMB connectors generally have a maximum operating frequency of 4 GHz and are available in 50 Ohm and 75 Ohm impedances. L-com's RF Coaxial and Triaxial adapters are in stock and ship same day.

Mechanical Specifications

Size		
Length	0.84in	21.34mm]
Width	0.25in	[6.35mm]
Height	0.57in	[14.48mm]

Description	Connector 1	Connector 2
Type	SMB Plug	SMB Jack
Polarity	Standard	Standard

Material Specifications

	Connector 1	Connector 2

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Description	Material	Plating	Material	Plating
Type	SMB Plug		SMB Jack	
Contact	Phosphor Bronze	Gold	Phosphor Bronze	Gold
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Gold
Body	Brass	Gold	Brass	Gold
Coupling Nut	Brass	Gold		

Environmental Specifications

Temperature

Operating Range -65°C to +165°C

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

Plotted and Other Data

Coaxial Adapter, SMB Tee Plug / Jack / Jack 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	01/14/2020
		APPROVED SELLIS

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	<p>SIZE A</p> <p>CAGE CODE 43321</p> <p>DRAWN BY BPUCHASKI</p> <p>PART NUMBER LCAD30021</p>	<p>REV A</p>

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