

Coaxial Adapter, N Male / SMB Jack



LCAD30022

Configuration

- N Male Connector 1
- SMB Jack Connector 2
- Impedance 50 Ohm
- Straight Body Geometry

Features

- Provides Between Series N to SMB Connections
- Gold Plated Center Contacts

Applications

Description

These L-com RF Coaxial Adapters are used to interface between Type N to SMB with coaxial connections. The LCAD30022 is a straight adapter with a male to jack configuration. This Coaxial Adapter, N Male / SMB Jack is made from brass and has a nickel finish. The Type N interface design is defined by Mil-STD-348A and has many popular features including a threaded coupling method with a robust center contact and outer conductor interface. Type-N adapters generally operate to 12 GHz but precision versions will operate to 18 GHz. The larger size provides a very secure and robust interface and is often used as the output port on RF equipment. Type-N adapters are often used as port protectors insuring that expensive test equipment ports are not damage during repeated use. 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	1.05in	26.67mm]
Width	0.8in	[20.32mm]

Description	Connector 1	Connector 2
Type	N Male	SMB Jack
Polarity	Standard	Standard

Material Specifications

	Connector 1	Connector 2
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Description	Material	Plating	Material	Plating
Type	N Male		SMB Jack	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel
Body	Brass	Nickel	Brass	Nickel
Gasket			Silicone	
Coupling Nut	Brass	Nickel		

Environmental Specifications

Temperature

Operating Range -65°C to +165°C

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

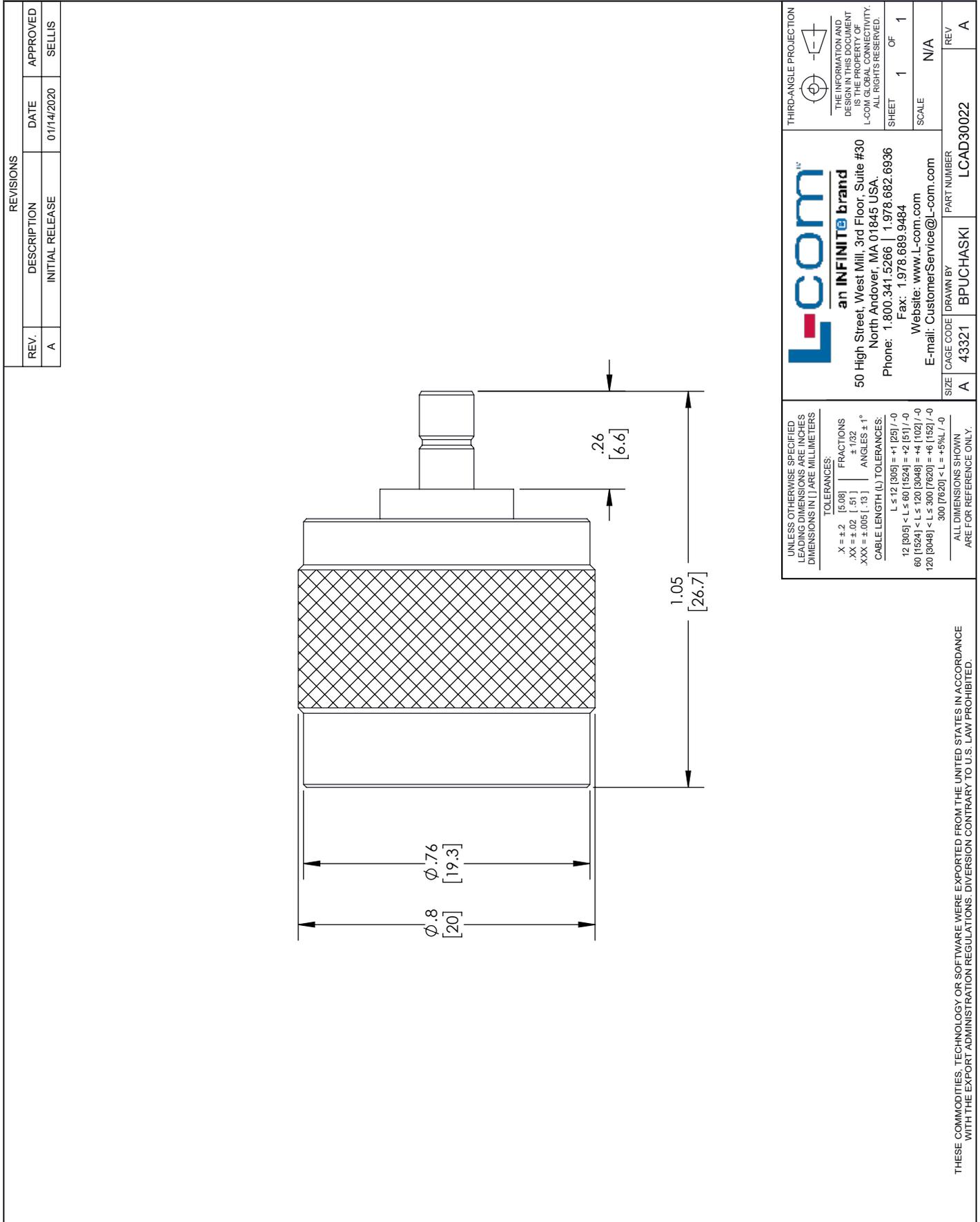
Plotted and Other Data

Coaxial Adapter, N Male / SMB 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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Coaxial Adapter, N Male / SMB Jack

L-com CAD Drawing



REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	01/14/2020
		APPROVED
		SELLIS

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

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SIZE A CASE CODE 43321 DRAWN BY BPUCHASKI PART NUMBER LCAD30022

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.

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