

Coaxial Adapter, 78 Ohm BNC Twinax Tee Jack / Plug / Jack



LCAD30023

Configuration

- BNC Twinax Jack Connector 1
- BNC Twinax Plug Connector 2
- Impedance 78 Ohm
- Tee Body Geometry

Features

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

Applications

Description

These L-com RF Coaxial Adapters are used to interface between BNC Twinax to BNC Twinax with coaxial connections. The LCAD30023 is a tee adapter with a jack to plug configuration. This Coaxial Adapter, 78 Ohm BNC Twinax Tee Jack / Plug / Jack is made from brass and has a nickel finish. The Twin-Ax BNC has two contacts inside the connector housing. The coupling mechanism is a bayonet design, the same as a standard BNC. Twin-ax BNC connections are commonly used with Twin-ax cable used in differential pair applications where separate conductors are used to carry the signal of interest. BNC Twinax adapters are often required to adapt between connector genders. L-com's RF Coaxial and Triaxial adapters are in stock and ship same day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size		
Length	1.28in	32.51mm]
Width	1.03in	[26.16mm]

Description	Connector 1	Connector 2
Type	BNC Twinax Jack	BNC Twinax Plug
Polarity	Standard	Standard

Material Specifications

	Connector 1	Connector 2

Coaxial Adapter, 78 Ohm BNC Twinax Tee Jack / Plug / Jack



LCAD30023

Description	Material	Plating	Material	Plating
Type	BNC Twinax Jack		BNC Twinax Plug	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel
Body	Brass	Nickel	Brass	Nickel
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, 78 Ohm BNC Twinax Tee Jack / Plug / 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 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.

Coaxial Adapter, 78 Ohm BNC Twinax Tee Jack / Plug / Jack

L-com CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	01/09/2020
		APPROVED SELLIS

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>X = ±.2 [5.08] FRACTIONS ± 1/32</p> <p>.XX = ±.02 [.51] ANGLES ± 1°</p> <p>XXX = ±.005 [.13]</p> <p>CABLE LENGTH (L) TOLERANCES:</p> <p>L ≤ 12 [305] = +1 [25] / -0</p> <p>12 [305] < L ≤ 60 [1524] = +2 [51] / -0</p> <p>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</p> <p>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</p> <p>300 [7620] < L = +5% / -0</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	<p>L-com an INFINITE brand</p> <p>50 High Street, West Mill, 3rd Floor, Suite #30 North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936 Fax: 1.978.689.9484 Website: www.L-com.com E-mail: CustomerService@L-com.com</p>	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>
<p>SIZE A</p> <p>CAGE CODE 43321</p> <p>DRAWN BY BPUCHASKI</p> <p>PART NUMBER LCAD30023</p>	<p>REV A</p>	

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.