

TRB 3-Lug Jack Non-Insulated Bulkhead to Blunt Cut
1553 Cable 60" Using 124 Ohm TWC-124-2 Twinax



LC3MSA00663-60

Configuration

- Connector 1: TRB 3-Lug Jack Bulkhead
- Connector 2: Blunt Cut Genderless
- Cable Type: TWC-124-2

Features

- 124 ohms
- Twinaxial
- MIL-STD-1553B
- -40°C to +80°C
- Lead Free Solder
- Standard and Custom Lengths Available

Applications

- MIL-STD-1553B Applications
- Data Transmission

Description

L-com's LC3MSA00663-60 is a TRB 3-Lug jack non-insulated bulkhead to blunt cut 1553 cable 60" using 124 Ohm TWC-124-2 twinax and ships same-day. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com TRB 3-Lug to Blunt Cut cable assembly has a jack to genderless gender configuration with 78 Ohm flexible TWC-124-2 series coax and operates to 500 MHz. L-com's RF cable assembly with TRB 3-Lug bulkhead interface enables system designers to have external connections on their product enclosures or to be used for other rack mount and panel mount applications.

Custom versions of this TRB 3-Lug jack to TRB 3-Lug genderless cable, along with the rest of L-com's other RF assemblies, can also be built and shipped same day. Other available RF cable assembly value added services from L-com include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly. Contact a sales representative for testing or custom RF cable quotes. Part number LC3MSA00663-60 L-com TRB 3-Lug Jack Non-Insulated Bulkhead to Blunt Cut 1553 Cable 60" Using 124 Ohm TWC-124-2 Twinax data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		500	MHz
Capacitance		12.3 [40.35]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms

Insertion Loss (Typ.)

Mechanical Specifications

Cable Assembly

Length*	60 in [152.4 cm]
Weight	0.36603 lbs [166.03 g]

Cable

Cable Type	TWC-124-2
Impedance	124 Ohms
Inner Conductor Type	Stranded

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Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Shield Layer 1	Silver Plated Copper
Jacket Material	PVC, Blue
One Time Minimum Bend Radius	1.25 in [31.75 mm]

Connectors

Description	Connector 1	Connector 2
Type	TRB 3-Lug Jack Bulkhead	Blunt Cut Genderless
Specification	MIL-STD-1553	
Impedance	78 Ohms	
Contact Material and Plating	Bronze, Gold 30 micro inches	
Contact Plating Specification	ASTM-B-488	
Dielectric Type	Teflon	
Outer Conductor Material and Plating	Phosphor Bronze, Gold	
Outer Conductor Plating Specification	30 micro inches	
Body Material and Plating	Brass, Nickel	
Body Plating Specification	ASTM-B-733	

Environmental Specifications

Temperature

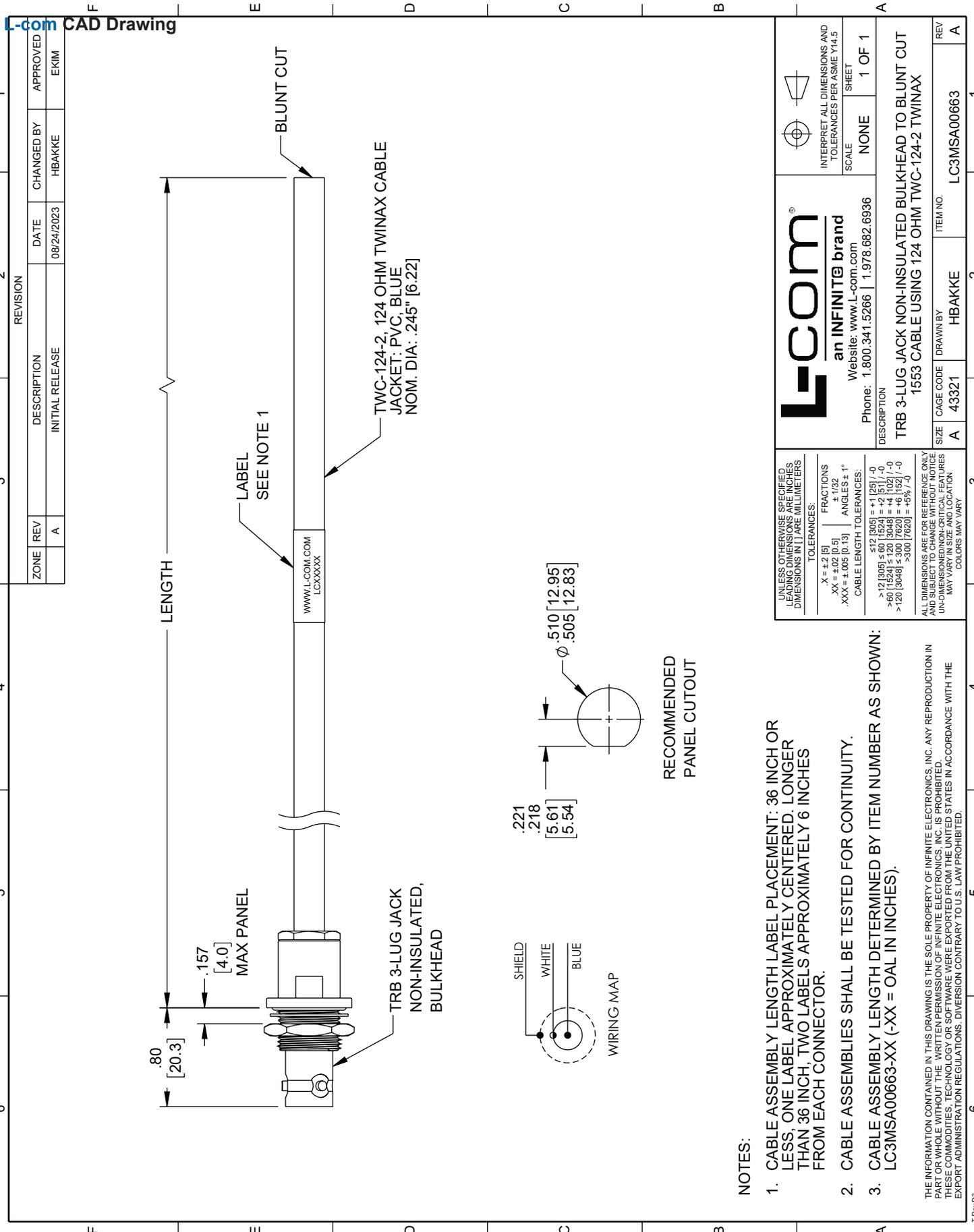
Operating Range -40 to +80 deg C

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

Plotted and Other Data

Notes:

TRB 3-Lug Jack Non-Insulated Bulkhead to Blunt Cut 1553 Cable 60" Using 124 Ohm TWC-124-2 Twinax



- NOTES:**
1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM NUMBER AS SHOWN: LC3MSA00663-XX (-XX = OAL IN INCHES).

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.	
TOLERANCES:	FRACTIONS
.X = ±.2 [5]	± 1/32
.XX = ±.02 [0.5]	± 1/32
.XXX = ±.005 [0.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
< 12 [305]	± 1.25 [0]
> 12 [305] ≤ 60 [1524]	± 2 [51] [-0]
> 60 [1524] ≤ 120 [3048]	± 4 [102] [-0]
> 120 [3048] ≤ 300 [7620]	± 6 [152] [-0]
> 300 [7620]	± 8 [203] [-0]
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY. COLORS MAY VARY.	

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DESCRIPTION: TRB 3-LUG JACK NON-INSULATED BULKHEAD TO BLUNT CUT 1553 CABLE USING 124 OHM TWC-124-2 TWINAX		
SIZE	CAGE CODE	ITEM NO.
A	43321	LC3MSA00663
REV	DRAWN BY	REV
A	HBAKKE	A

L-com CAD Drawing

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	08/24/2023	HBAKKE	EKIM