

Bend Relief 3-Lug TRB Jack to Jack for 78 Ohm 30-2002-LC, 36" Cable



**LC3MP2546-36**

**Configuration**

- Connector 1: TRB 3-Lug Jack
- Connector 2: TRB 3-Lug Jack
- Cable Type: 30-2002-LC

**Features**

- MIL-STD-1553
- -55°C to +200°C
- 78 ohms

**Applications**

- Vehicle High Temperature
- Data
- MIL-STD-1553

**Description**

L-com's LC3MP2546-36 is a bend relief 3-Lug TRB jack to jack for 78 Ohm 30-2002-LC, 36" cable and ships same-day. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com TRB 3-Lug to TRB 3-Lug cable assembly has a jack to jack gender configuration with 78 Ohm flexible 30-2002-LC series coax and operates to 10 MHz.

Custom versions of this TRB 3-Lug jack to TRB 3-Lug jack 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 LC3MP2546-36 L-com Bend Relief 3-Lug TRB Jack to Jack for 78 Ohm 30-2002-LC, 36" Cable 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		10	MHz
Capacitance		23 [75.46]		pF/ft [pF/m]
Operating Voltage (AC)			250	Vrms

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10				MHz
Insertion Loss (Typ.)	0.263	0.395				dB

**Electrical Specification Notes:**

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

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**Mechanical Specifications**

**Cable Assembly**

Length*	36 in [914.4 mm]
Weight	0.232 lbs [105.23 g]

**Cable**

Cable Type	30-2002-LC
Impedance	78 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	FEP
Shield Layer 1	Silver Plated Copper Alloy Braid
Jacket Material	PFA, Blue

One Time Minimum Bend Radius	1.5 in [38.1 mm]
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**Connectors**

Description	Connector 1	Connector 2
Type	TRB 3-Lug Jack	TRB 3-Lug Jack
Specification	None	None
Impedance	78 Ohms	78 Ohms
Contact Material and Plating	Bronze, Gold 30 micro inches	Bronze, Gold 30 micro inches
Contact Plating Specification	ASTM-B-488	ASTM-B-488
Dielectric Type	Teflon	Teflon
Outer Conductor Material and Plating	Phosphor Bronze, Gold	Phosphor Bronze, Gold
Outer Conductor Plating Specification	30 micro inches	30 micro inches
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	ASTM-B-733	ASTM-B-733

**Environmental Specifications**

**Temperature**

Operating Range	-20 to +75 deg C
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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

Bend Relief 3-Lug TRB Jack to Jack for 78 Ohm 30-2002-LC, 36" Cable

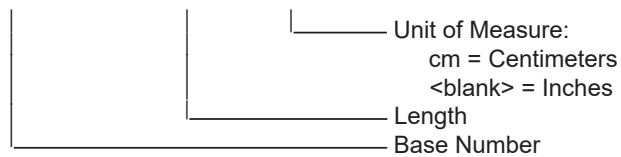


## LC3MP2546-36

### How to Order

Part Number Configuration:

**LC3MP2546 - xx uu**

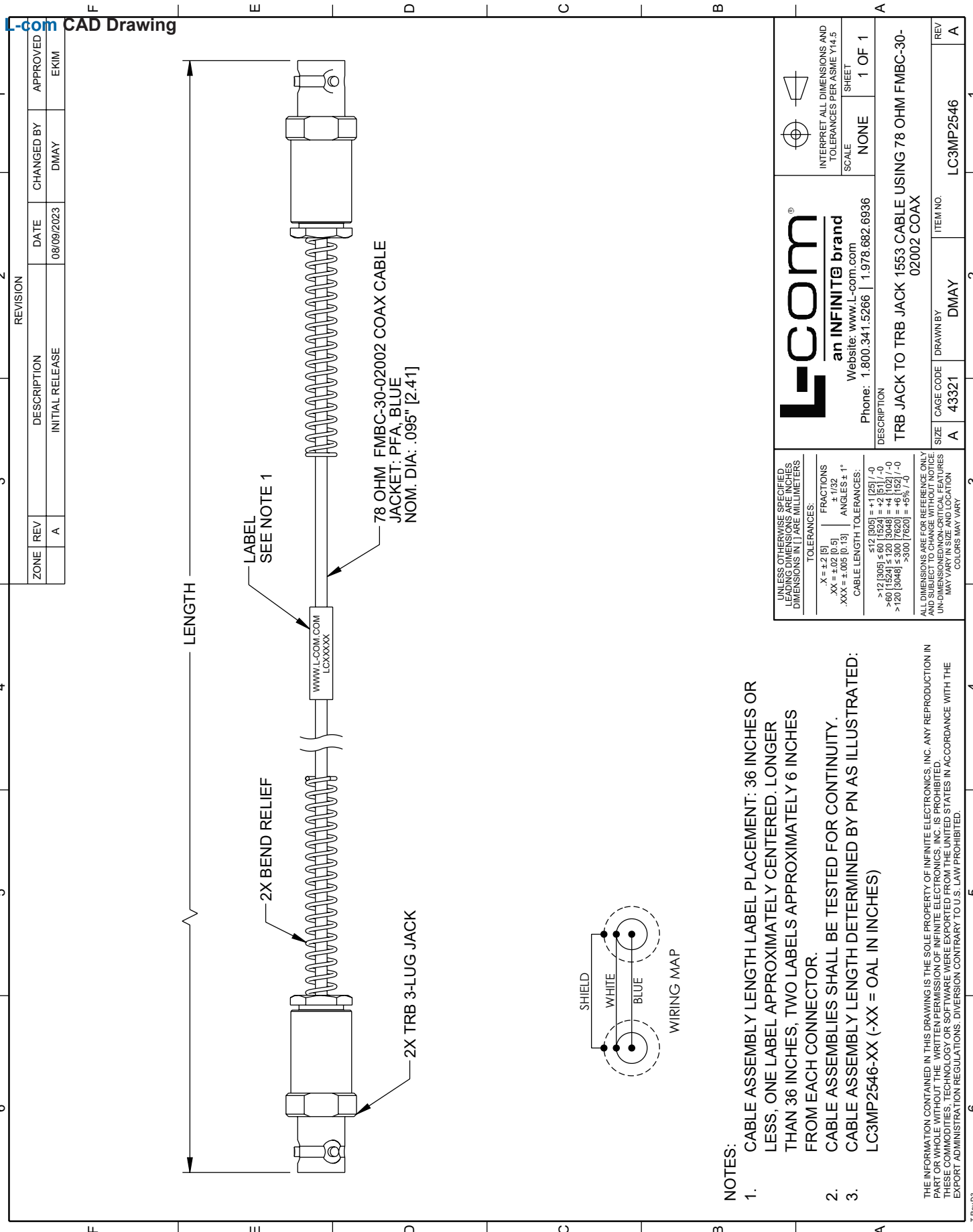


Example: LC3MP2546-12 = 12 inches long cable  
LC3MP2546-100cm = 100 cm long cable

Bend Relief 3-Lug TRB Jack to Jack for 78 Ohm 30-2002-LC, 36" Cable from L-com has same day shipment for domestic and International orders. L-com is a leading manufacturer of wired and wireless connectivity products and committed to in-stock availability and same day shipping. 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 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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**NOTES:**

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES; TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY PN AS ILLUSTRATED: LC3MP2546-XX (-XX = OAL IN INCHES)

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		SCALE	SHEET
.X = ±.2 [5]	FRACTIONS ± 1/32	NONE	1 OF 1
.XX = ±.02 [0.5]	ANGLES ± 1°		
.XXX = ±.005 [0.13]	CABLE LENGTH TOLERANCES:		
	<12 [305] ±.60 [1524] = +2 [51] / -0		
	>60 [1524] ≤ 120 [3048] = +4 [102] / -0		
	>120 [3048] ≤ 300 [7620] = +6 [152] / -0		
	>300 [7620] = +5% / -0		
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS INDICATED OTHERWISE. DIMENSIONS MAY VARY.			
 <b>an INFINITE brand</b> Website: www.L-com.com		PHONE: 1.800.341.5266   1.978.682.6936	
DESCRIPTION TRB JACK TO TRB JACK 1553 CABLE USING 78 OHM FMBC-30-02002 COAX		ITEM NO. LC3MP2546	
SIZE	DESCRIPTION	DRAWN BY	REV
A	43321	DMAY	A

ZONE		REVISION	
REV	DESCRIPTION	DATE	CHANGED BY
A	INITIAL RELEASE	08/09/2023	DMAY
			APPROVED
			EKIM