

Lead Free 3-Lug TRB Jack with Blunt Cut for  
78 Ohm M17/176-00002-LC, 12" Cable



## LC3MSA00447-12

### Configuration

- Connector 1: TRB 3-Lug Jack
- Connector 2: Blunt Cut Genderless
- Cable Type: M17/176-00002-LC

### Features

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

### Applications

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

### Description

L-com's LC3MSA00447-12 is a lead free 3-Lug TRB jack with blunt cut for 78 Ohm M17/176-00002-LC, 12" 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 Blunt Cut cable assembly has a jack to genderless gender configuration with 78 Ohm flexible M17/176-00002-LC series coax and operates to 10 MHz.

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 LC3MSA00447-12 L-com Lead Free 3-Lug TRB Jack with Blunt Cut for 78 Ohm M17/176-00002-LC, 12" 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		24 [78.74]		pF/ft [pF/m]
Operating Voltage (AC)			750,000	Vrms

Insertion Loss (Typ.)

### Mechanical Specifications

#### Cable Assembly

Length*	12 in [304.8 mm]
Weight	0.074 lbs [33.57 g]

#### Cable

Cable Type	M17/176-00002-LC
Impedance	78 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE

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Shield Layer 1 Jacket Material	Silver Plated Copper PFA, Blue
One Time Minimum Bend Radius	1.5 in [38.1 mm]

### Connectors

Description	Connector 1	Connector 2
Type	TRB 3-Lug Jack	Blunt Cut Genderless
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

<b>Temperature</b>	
Operating Range	-55 to +200 deg C

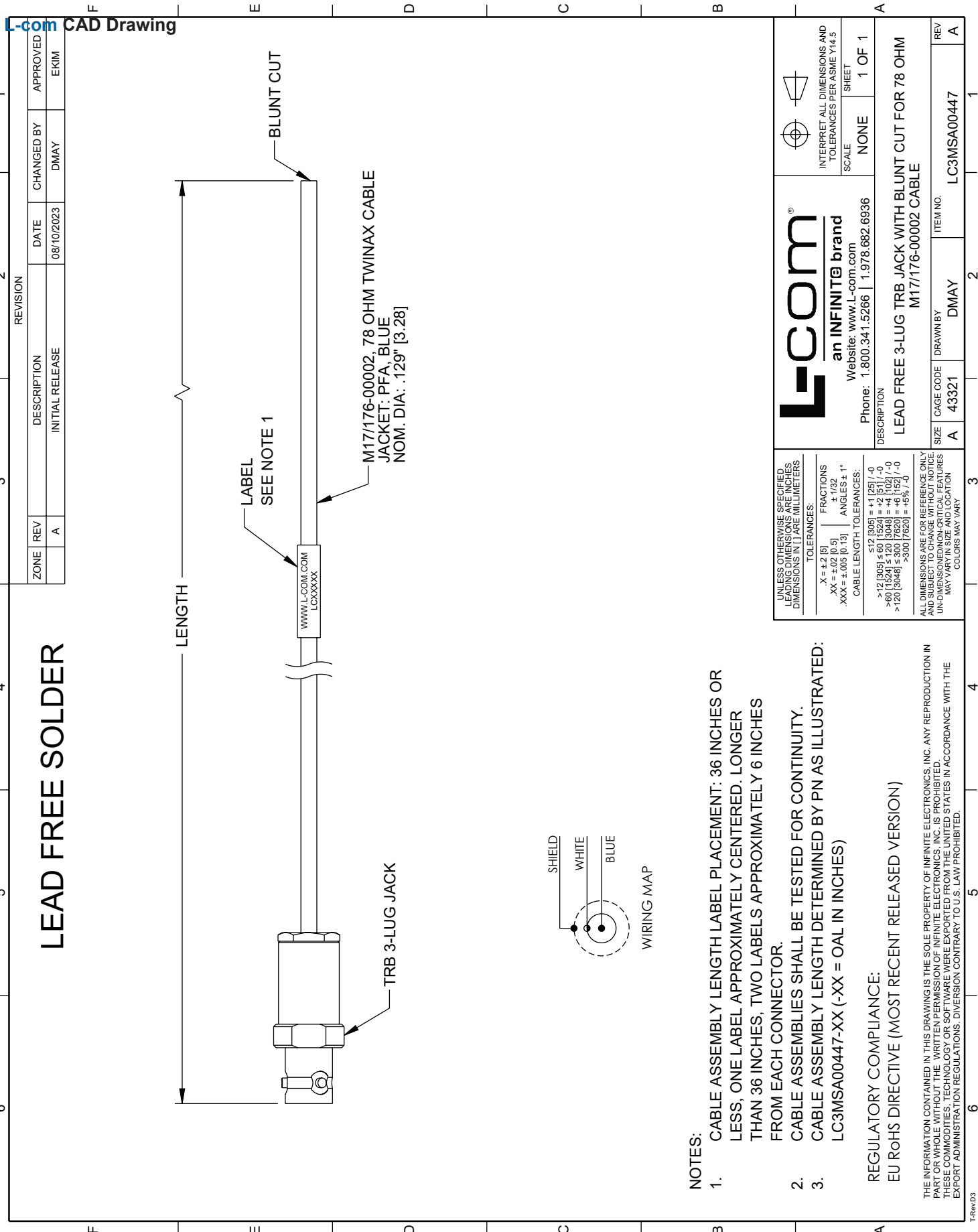
**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

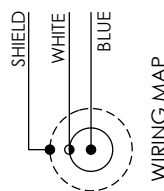
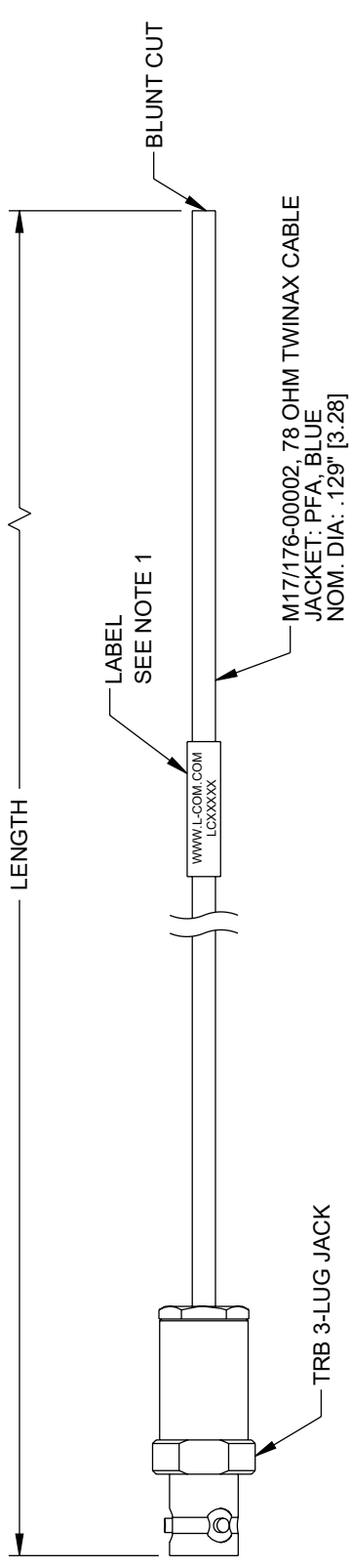
Notes:



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## LEAD FREE SOLDER



### 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: LC3MSA00447-XX (-XX = OAL IN INCHES)

REGULATORY COMPLIANCE:  
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [ ] ARE MILLIMETERS. TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13] FRACTIONS: ± 1/32 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] = +5% / -0			
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY. COLORS MAY VARY.			
DESCRIPTION: LEAD FREE 3-LUG TRB JACK WITH BLUNT CUT FOR 78 OHM M17/176-00002 CABLE		ITEM NO.: LC3MSA00447	
SIZE: A	CAGE CODE: 43321	DRAWN BY: DMAY	REV: A