

Lead Free LSZH Bend Relief 3-Lug TRB Bulkhead Insulated Jack with Blunt Cut for 78 Ohm TWCH-78-2-LC, 12" Cable



LC3MSA00592-12

Configuration

- Connector 1: TRB 3-Lug Jack Bulkhead
- Connector 2: Blunt Cut Genderless
- Cable Type: TWCH-78-2-LC

Features

- MIL-STD-1553
- -30°C to +80°C
- 78 ohms
- ROHS Low Smoke Zero Halogen
- Non-Toxic

Applications

- Military Contractors
- MIL-STD-1553
- Data
- Safer Environments
- Ventilation critical areas
- Hospitals

Description

L-com's LC3MSA00592-12 is a lead free LSZH bend relief 3-Lug TRB bulkhead insulated jack with blunt cut for 78 Ohm TWCH-78-2-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 TWCH-78-2-LC 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 LC3MSA00592-12 L-com Lead Free LSZH Bend Relief 3-Lug TRB Bulkhead Insulated Jack with Blunt Cut for 78 Ohm TWCH-78-2-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 | | 500 | MHz |
| Capacitance | | 21.2 [69.55] | | pF/ft [pF/m] |
| Operating Voltage (AC) | | | 1,000 | Vrms |

Insertion Loss (Typ.)

Mechanical Specifications

Cable Assembly

- Length* 12 in [304.8 mm]
- Weight 0.09 lbs [40.82 g]

Cable

- Cable Type TWCH-78-2-LC

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LC3MSA00592-12

| | |
|--------------------------------------|----------------------|
| Impedance | 78 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PE |
| Shield Layer 1 | Silver Plated Copper |
| Jacket Material | HF POF, 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 |
| 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 -30 to +80 deg C

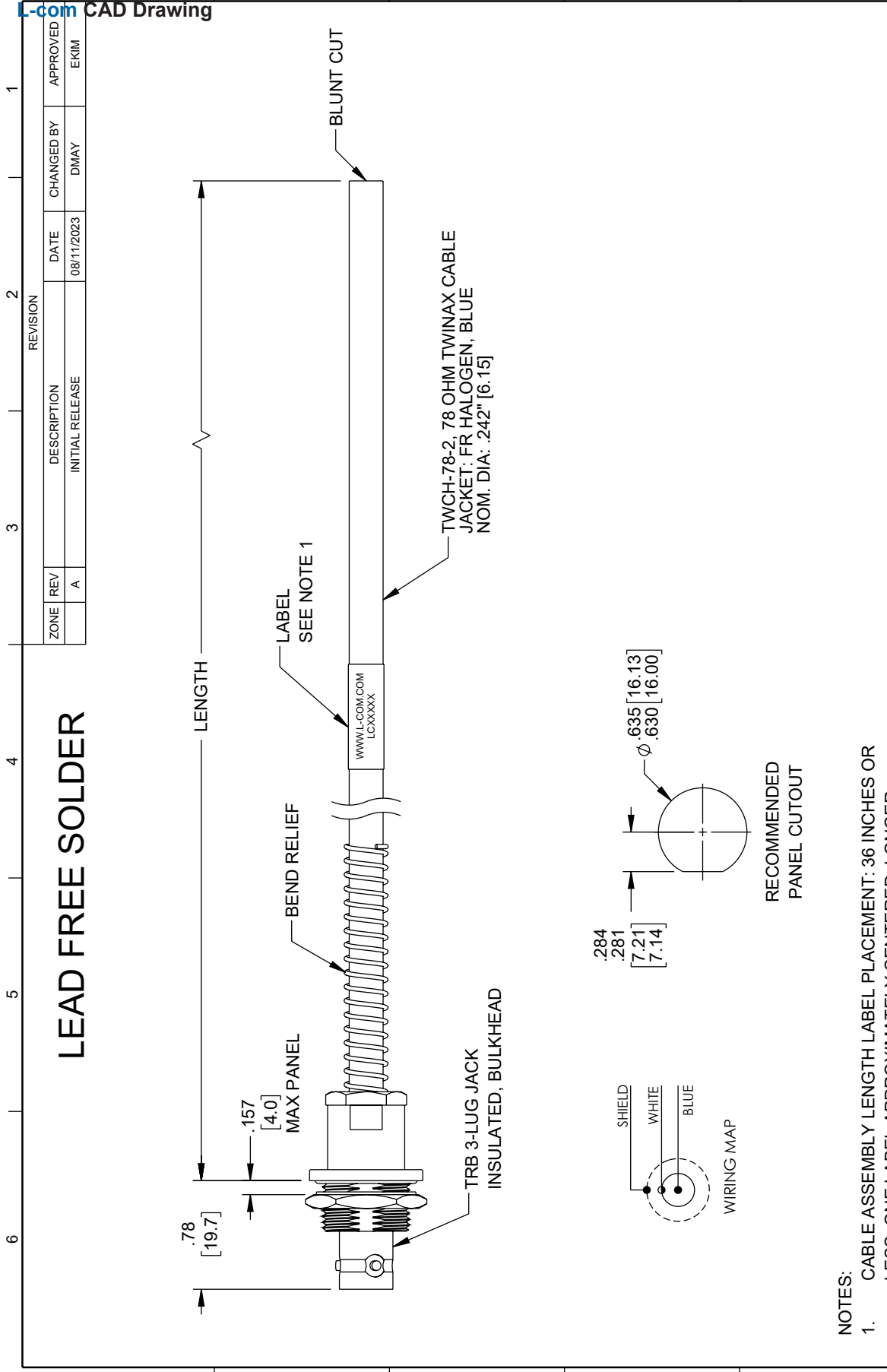
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Lead Free LSZH Bend Relief 3-Lug TRB Bulkhead Insulated Jack with Blunt Cut for 78 Ohm TWCH-78-2-LC, 12" Cable

L-com CAD Drawing



| | | | | |
|--|--|---|----------------------|--|
| UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. | | L-com® an INFINITE® brand Website: www.L-com.com Phone: 1.800.341.5266 1.978.682.6936 | | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 |
| TOLERANCES: | | SCALE NONE | | SHEET 1 OF 1 |
| .X = ±.2 [5] | FRACTIONS ± 1/32 | DESCRIPTION LEAD FREE LSZH BEND RELIEF 3-LUG TRB BULKHEAD INSULATED JACK WITH BLUNT CUT FOR 78 OHM TWCH-78-2 CABLE | | REV A |
| .XX = ±.02 [0.5] | ANGLES ± 1° | SIZE A | ITEM NO. LC3MSA00592 | REV A |
| .XXX = ±.005 [0.13] | CABLE LENGTH TOLERANCES: | 43321 | LC3MSA00592 | A |
| | <12 [305] ≤ +1 [25] / -0 | DRAWN BY DMAY | | 1 |
| | >12 [305] ≤ 60 [1524] = +2 [51] / -0 | CAGE CODE | | 2 |
| | >60 [1524] ≤ 120 [3048] = +4 [102] / -0 | DRAWN BY | | 3 |
| | >120 [3048] ≤ 300 [7620] = +6 [152] / -0 | ITEM NO. | | 4 |
| | >300 [7620] = +5% / -0 | COLORS MAY VARY. | | 5 |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS OTHERWISE SPECIFIED. DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS. | | | | |

- NOTES:
- 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.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
 - CABLE ASSEMBLY LENGTH DETERMINED BY PN AS ILLUSTRATED: LC3MSA00592-XX (-XX = OAL IN INCHES)
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