

Lead Free TRT Threaded Plug to 3-Lug TRB Non-Insulated Bulkhead Jack for 78 Ohms 30-02001-LC, 48" Cable



LC3MSA00565-48

Configuration

- Connector 1: TRB 3-Lug Jack Bulkhead Nonisolated
- Connector 2: TRT Threaded Plug
- Cable Type: 30-02001-LC

Features

- MIL-STD-1553
- -20°C to +75°C
- 78 ohms

Applications

- MIL-STD-1553
- Data

Description

L-com's LC3MSA00565-48 is a lead free TRT threaded plug to 3-Lug TRB non-insulated bulkhead jack for 78 Ohms 30-02001-LC, 48" 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 TRT Threaded cable assembly has a jack to plug gender configuration with 78 Ohm flexible 30-02001-LC series coax and operates to 400 MHz. L-com's LC3MSA00565-48 is a Twinax threaded plug non-insulated bulkhead 3-lug cable jack .3 meter cable assembly from L-Com. These cable assemblies have popular TRB jack connectors with 3-lug bayonet coupling designs as well as TRB plugs with threaded designs. These MIL-STD-1553 Twinaxial cable assemblies with TRB connector interfaces are the most popular cable assemblies used in wide interconnect applications to be used with bus couplers, avionics control boxes, and bus relays.

The LC3MSA00565-48 Twinax threaded plug non-insulated bulkhead 3-lug cable jack .3 meter MIL-STD-1553 cable assemblies are bend/strain relief. These cable assemblies have Twinax connectivity and are ideal for applications such as Aircraft avionics and test labs. These cable assemblies can withstand severe shocks and vibrations, making them critical avionics components. The Twinax threaded plug non-insulated bulkhead 3-lug cable jack .3 meter cable assemblies have a robust design and are easy to use.

L-com has one of the largest in-stock selections of Twinax threaded plug non-insulated bulkhead 3-lug cable jack .3 meter MIL-STD-1553 cable assemblies with same-day shipment. Make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal Twinax threaded plug non-insulated bulkhead 3-lug cable jack .3 meter MIL-STD-1553 cable assemblies for your requirements.

Custom versions of this TRB 3-Lug jack to TRB 3-Lug plug 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 LC3MSA00565-48 L-com Lead Free TRT Threaded Plug to 3-Lug TRB Non-Insulated Bulkhead Jack for 78 Ohms 30-02001-LC, 48" 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		400	MHz
Capacitance		19.7 [64.63]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	10	50	100	200	400	MHz
Insertion Loss (Typ.)	0.29	0.4	0.5	0.64	0.84	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.

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.303 lbs [137.44 g]

Cable

Cable Type	30-02001-LC
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	PVC, Blue

One Time Minimum Bend Radius	2.42 in [61.47 mm]
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Connectors

Description	Connector 1	Connector 2
Type	TRB 3-Lug Jack Bulkhead Nonisolated	TRT Threaded Plug
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

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LC3MSA00565-48

Environmental Specifications

Temperature

Operating Range

-20 to +75 deg C

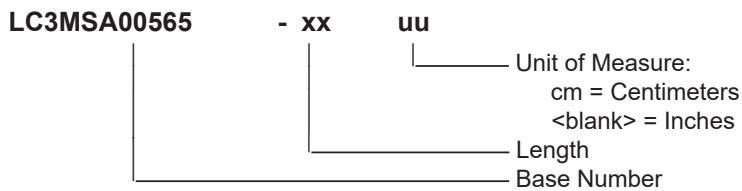
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: LC3MSA00565-12 = 12 inches long cable
 LC3MSA00565-100cm = 100 cm long cable

Lead Free TRT Threaded Plug to 3-Lug TRB Non-Insulated Bulkhead Jack for 78 Ohms 30-02001-LC, 48" 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.

Lead Free TRT Threaded Plug to 3-Lug TRB Non-Insulated Bulkhead Jack for 78 Ohms 30-02001-LC, 48" Cable

L-com CAD Drawing

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Technical drawing of a coaxial cable assembly. The assembly consists of a MAX PANEL, a TRB 3-LUG JACK (NON-INSULATED BULKHEAD), a TRT THREADED PLUG, and a 78 OHM TWINAX CABLE (JACKET: PVC, BLUE NOM. DA: .242" (6.15)). The MAX PANEL is labeled with 'www.l-com.com LCOMXXXX'. The TRB 3-LUG JACK is shown with internal components: a top cap, a center conductor, and two outer shield/sleeve contacts. The TRT THREADED PLUG is shown with a threaded body and a crimped contact. The coaxial cable is labeled '78 OHM TWINAX CABLE' and 'JACKET: PVC, BLUE NOM. DA: .242" (6.15)'. A 'LENGTH' dimension line is shown on the left, and a 'MAX PANEL' dimension line is shown above the panel. A note 'SEE NOTE 2' is associated with the label 'LABEL'.

**RECOMMENDED
PANEL CUTOUT**

NOTES.

1. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
2. 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.
CABLE ASSEMBLY LENGTH DETERMINED BY PIN AS ILLUSTRATED:
EM3MSA00565-XX (XX = CAN IN INCHES)
3. CABLE ASSEMBLY LENGTH DETERMINED BY PIN AS ILLUSTRATED:
EM3MSA00565-XX (XX = CAN IN INCHES)

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN WHOLE OR IN PART, OR THE TRANSMISSION OF THIS DRAWING IN WHOLE OR IN PART, TO ANY OTHER COMPANY, IS PROHIBITED.

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SIZE	CAGE CODE	DRAWN BY	ITEM NO.	LC3MSA0565																	
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