

4.3-10 Plug Non-Magnetic Connector Crimp/
Solder Attachment for 0.141 Cable



LCCN45881

Configuration

- 4.3-10 Plug Connector
- 50 Ohms
- Straight Body Geometry
- 0.141 Cable Interface Type
- Crimp/Solder Attachment
- Non-Magnetic Design

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.03:1
- Silver Plated Brass Contact
- Magnetic Susceptibility 10^{-5}

Applications

- General Purpose Test
- Custom Cable Assemblies
- Medical
- Military and Aerospace
- Quantum Computing

Description

4.3-10 Non-Magnetic Plug Connector LCCN45881 from L-Com is in stock at our warehouse and ready to ship on the same-day of your order. The LCCN45881 is a 4.3-10 Non-Magnetic Plug Connector compatible with 0.141 cable. These Non-Magnetic Connector frequency ranges from 0-6 GHz with 50 Ohms impedance.

Our RF coaxial connector specialists are available to answer any questions or concerns you have on the LCCN45881 4.3-10 Plug Non-Magnetic Connector. Our Non-magnetic connectors have a susceptibility of around 10^{-5} , as opposed to 10^{-2} for standard connectors made of brass/nickel materials. As a result, our non-magnetic connectors are transparent to the magnetic field, which means no field distortion and a higher Signal-to-Noise Ratio (SNR).

Contact L-Com's expert technical support for assistance with the 4.3-10 Plug Non-Magnetic type Connector or any RF coaxial cable connectors or cable assemblies. Download our LCCN45881 datasheet with specifications and CAD drawing with dimensions for details. Our knowledgeable sales team simplifies the purchasing process and ensures that your 4.3-10 Plug Non-magnetic RF coaxial connector will be exact to your specifications. The target audience for the straight coaxial plug is for quantum computing, the military and aerospace industries as well as the medical industry including MRI and patient monitoring devices.

The LCCN45881 connector from L-Com uses a dedicated manufacturing process and raw material selection to guarantee the low magnetic susceptibility level of the connectors. The BNC straight RF coax connector is available now from L-Com. We have no MOQ (minimum order quantity) and the connector ships the very same day from our warehouse.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 6 | GHz |
| VSWR | | | 1.03:1 | |
| Insertion Loss | | | 0.05 | dB |
| Operating Voltage (AC) | | | 335 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[4.3-10 Plug Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable LCCN45881](#)

4.3-10 Plug Non-Magnetic Connector Crimp/
Solder Attachment for 0.141 Cable



LCCN45881

Mechanical Specifications

Size

| | |
|---------------|----------------------|
| Length | 13.30 in [337.82 mm] |
| Width | 7.10 in [180.34 mm] |
| Height | 7.10 in [180.34 mm] |
| Weight | 0.00 lbs [0.90 g] |
| Mating Cycles | 500 Cycles |

Material Specifications

| Description | Material | Plating |
|-------------|-------------|-----------------------|
| Contact | Brass | Silver |
| Body | Brass | Copper-Tin-Zinc Alloy |
| Gasket | EPDM Rubber | |

Environmental Specifications

Temperature

| | |
|-----------------|----------------------|
| Operating Range | -55deg C to +90deg C |
|-----------------|----------------------|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
4.3-10 Plug Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable [LCCN45881](#)

4.3-10 Plug Non-Magnetic Connector Crimp/
Solder Attachment for 0.141 Cable

LCCN45881



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

Plotted and Other Data

Assembly Instruction

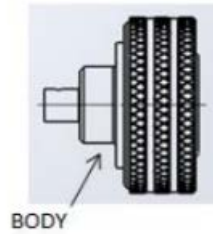
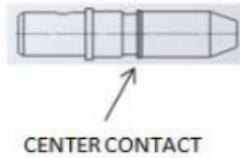
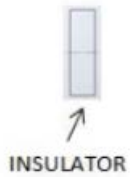
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[4.3-10 Plug Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable LCCN45881](#)

4.3-10 Plug Non-Magnetic Connector Crimp/
Solder Attachment for 0.141 Cable

LCCN45881



COMPONENT



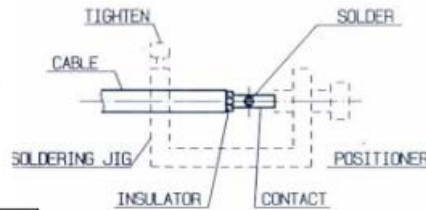
1

Strip the dielectric of the cable.
Clean the cable.



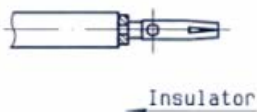
3

Screw the positioner onto the soldering jig.
Slide the cable assembly until it bottoms against positioner.
Tighten and solder the contact.

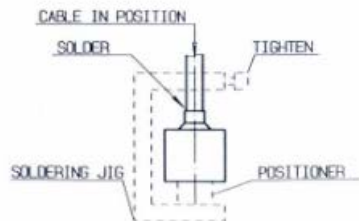
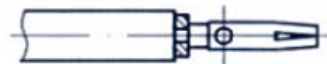


2

Slide the insulator and the center contact onto the cable inner conductor



4



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[4.3-10 Plug Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable LCCN45881](#)

4.3-10 Plug Non-Magnetic Connector Crimp/
Solder Attachment for 0.141 Cable

LCCN45881



4.3-10 Plug Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable from L-com has same day shipment for domestic and International orders. 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. Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4.3-10 Plug Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable LCCN45881

URL: <https://www.l-com.com/4.3-10-male-connector-crimp-solder-attachment-lccn45881-p.aspx>

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. 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.

4.3-10 Plug Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable

L-com CAD Drawing

