

18 GHz SMA Male Connector Solder Attachment
for .085 Semi-Rigid, LC085TB, RG405



LCCN3118

Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- .085 Semi-rigid, LC085TB, RG405 Interface Type
- Solder/Solder Attachment
- 5/16 inch Hex

Description

The L-com LCCN3118 SMA male connector has a stainless steel body for telecommunications, data communication, general-purpose test, industrial fields, and rack and panel mount applications. This RF connector has a straight body style and brass contact with gold plating. This threaded standard coaxial connector works on a maximum frequency of 18 GHz and provides an excellent maximum VSWR of 1.5.

The 18 GHz SMA connector is available in a 0.406-inch length, 0.315-inch width, and 0.315-inch height. The .085 semi rigid coax connector allows developers to configure and customize their signal connections however they desire. This SMA connector with solder/solder attachment has a high-quality construction and an impedance of 50 ohms.

The LCCN3118 .085 semi rigid coax RF connector has gold body plating. This 18 GHz stainless steel coaxial connector comes with PTFE insulation. The SMA male connector weighs 0.015 pounds and is most used in USB software-defined radio dongles, handheld radios, mobile phone antennas, Wi-Fi antenna systems, and microwave systems.

L-com has the largest in-stock selection of RF and coaxial connectors with same-day shipping for domestic and international orders. We currently have a variety of antenna, audio/video, Ethernet, fiber optic, and USB connectors in our portfolio that are ready to ship today. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the high-quality RF connector that meets your requirements.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 18 | GHz |
| VSWR | | | 1.5:1 | |
| Operating Voltage (AC) | | | 335 | Vrms |

Mechanical Specifications

Size

| | | |
|---------------|--------------|----------------|
| Length | 0.406in | [10.31mm] |
| Width/Dia. | 0.315in | [8.00mm] |
| Height | 0.315in | [8mm] |
| Weight | 0.015lbs | [6.8g] |
| Mating Cycles | 500Cycles | |
| Mating Torque | 3 to 5in-lbs | 0.34 to 0.57Nm |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[18 GHz SMA Male Connector Solder Attachment for .085 Semi-Rigid, LC085TB, RG405 LCCN3118](#)

18 GHz SMA Male Connector Solder Attachment
for .085 Semi-Rigid, LC085TB, RG405



LCCN3118

Material Specifications

| Description | Material | Plating |
|--------------|-----------------|---------------------------|
| Contact | Brass | Gold 50 µin minimum |
| Insulation | PTFE | |
| Body | Stainless Steel | Gold 10 µin minimum |
| Coupling Nut | Brass | Nickel 100 µin minimum |

Environmental Specifications

Temperature

Operating Range -65deg C to +165deg C

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

Plotted and Other Data

18 GHz SMA Male Connector Solder Attachment for .085 Semi-Rigid, LC085TB, RG405 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: 18 GHz SMA Male Connector Solder Attachment for .085 Semi-Rigid, LC085TB, RG405 LCCN3118

URL: <https://www.l-com.com/18-ghz-sma-male-connector-solder-attachment-.085-semi-rigid-lc085tb-rg405-lccn3118-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 impliment 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.

L-com CAD Drawing

| REVISIONS | | |
|-----------|-----------------|----------------------|
| REV. | DESCRIPTION | DATE |
| A | INITIAL RELEASE | 12/09/2022 |
| | | APPROVED AGANWANI |

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. PLACE CONTACT OVER CENTER CONDUCTOR AS SHOWN. SOLDER CONTACT TO CENTER CONDUCTOR AS SHOWN.
3. INSERT CABLE AND CONTACT INTO CONNECTOR BODY UNTIL FULLY ENGAGED. SOLDER BODY TO CABLE.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|-------------|-----------|--------|-----------|-------|-------------|--|-------------|-------|--|--|--------------|-----------|------|--------------------------|-----------|------|----------------------------|------------|------|-----------------------------|------------|------|----------------|---------|------|--|
| <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS.</p> <p>TOLERANCES:</p> <table style="width: 100%; border: none;"> <tr> <td>.X ± .2</td> <td>[5.08]</td> <td>FRACTIONS</td> <td>± 1/32</td> </tr> <tr> <td>.XX ± .02</td> <td>[.51]</td> <td>ANGLES ± 1°</td> <td></td> </tr> <tr> <td>.XXX ± .005</td> <td>[.13]</td> <td></td> <td></td> </tr> </table> <p>CABLE LENGTH (L) TOLERANCES:</p> <table style="width: 100%; border: none;"> <tr> <td>L ≤ 12 [305]</td> <td>± .1 [25]</td> <td>/ -0</td> </tr> <tr> <td>12 [305] < L ≤ 60 [1524]</td> <td>± .2 [51]</td> <td>/ -0</td> </tr> <tr> <td>60 [1524] < L ≤ 120 [3048]</td> <td>± .4 [102]</td> <td>/ -0</td> </tr> <tr> <td>120 [3048] < L ≤ 300 [7620]</td> <td>± .6 [152]</td> <td>/ -0</td> </tr> <tr> <td>300 [7620] < L</td> <td>± .5% L</td> <td>/ -0</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> | .X ± .2 | [5.08] | FRACTIONS | ± 1/32 | .XX ± .02 | [.51] | ANGLES ± 1° | | .XXX ± .005 | [.13] | | | L ≤ 12 [305] | ± .1 [25] | / -0 | 12 [305] < L ≤ 60 [1524] | ± .2 [51] | / -0 | 60 [1524] < L ≤ 120 [3048] | ± .4 [102] | / -0 | 120 [3048] < L ≤ 300 [7620] | ± .6 [152] | / -0 | 300 [7620] < L | ± .5% L | / -0 | <p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGNATION ON THIS DRAWING IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p> <p>ITEM NO. LCCN3118</p> <p>REV A</p> |
| .X ± .2 | [5.08] | FRACTIONS | ± 1/32 | | | | | | | | | | | | | | | | | | | | | | | | | |
| .XX ± .02 | [.51] | ANGLES ± 1° | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .XXX ± .005 | [.13] | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L ≤ 12 [305] | ± .1 [25] | / -0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 [305] < L ≤ 60 [1524] | ± .2 [51] | / -0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 [1524] < L ≤ 120 [3048] | ± .4 [102] | / -0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 [3048] < L ≤ 300 [7620] | ± .6 [152] | / -0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 [7620] < L | ± .5% L | / -0 | | | | | | | | | | | | | | | | | | | | | | | | | | |

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

T-Rev: 0