

SMA Male Connector Crimp/Solder Attachment for RG178



LCCN3025

Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG178 Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features

- Designed to industry standard interface dimensions
- Quality body materials and plating
- Crimp/solder attachment
- Operates to 1 Ghz

Applications

- RF Boxes and components
- RF Test Systems
- General Purpose RF Interconnect
- Laboratory applications

Description

L-com's SMA male connector for RG178 coax uses a crimp/solder attachment method. This SMA connector is one of the many RF coaxial connectors in L-com's product line up and like all our products, they will ship the same day. Our SMA male connector operates up to a maximum frequency of 1 GHz. The specifications and a basic dimensional drawing for LCCN3025 male SMA connector can be found in this datasheet PDF. L-com's portfolio of RF and microwave connectors allows users to choose from a large number of options when building assemblies to fit their RF interconnect needs. RF cables can be created to fulfill many interconnect applications ranging from In the Box hookup, test equipment connectivity or as part of a system installation. In addition to an offering of RF connectors and coaxial cable, L-com offers both standard and custom cable assemblies to fit a customer's specific needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.3:1	
Operating Voltage (AC)			250	Vrms

Mechanical Specifications

Size

- Length 1.047 in [26.59 mm]
- Width/Dia. 0.315 in [8.00 mm]
- Weight 0.019 lbs [8.62 g]
- Mating Torque 3 to 5 in-lbs [0.34 to 0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[SMA Male Connector Crimp/Solder Attachment for RG178 LCCN3025](#)

SMA Male Connector Crimp/Solder Attachment for RG178



LCCN3025

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

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

Plotted and Other Data

Notes:

SMA Male Connector Crimp/Solder Attachment for RG178 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: SMA Male Connector Crimp/Solder Attachment for RG178 LCCN3025

URL: <https://www.l-com.com/sma-male-standard-rg178-connector-lccn3025-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.

SMA Male Connector Crimp/Solder Attachment for RG178

L-com CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	02/27/2020
		APPROVED SELLIS

STRIPPING DIMENSIONS

5/16 HEX

CRIMP SIZE REQUIRED
CONTACT: SOLDER
FERRULE: .100" HEX CRIMP

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:

.X = ±.2	[5.08]	FRACTIONS	±.132
.XX = ±.02	[.51]	ANGLES	± 1°
.XXX = ±.005	[.13]		

CABLE LENGTH (L) TOLERANCES:

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]	±.8	[152] / -0
300 [7620] < L	±.95	L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

L-com™

an INFINITE brand

50 High Street, West Mill, 3rd Floor, Suite #30
 North Andover, MA 01845 USA
 Phone: 1.800.341.5266 | 1.978.682.6936
 Fax: 1.978.689.9484
 Website: www.L-com.com
 E-mail: CustomerService@L-com.com

THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN CONTAINED HEREIN IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.

SHEET 1 OF 1
SCALE N/A

CAGE CODE: 43321 DRAWN BY: DFRISIELLO ITEM NO.: LCCN3025 REV: A

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