

## SSMC Plug Connector Clamp/Solder Attachment for Semi-rigid/ 047 Semi-rigid/ Formable 047 Semi-rigid Coax Cable



### LCCN45366

#### Configuration

- SSMC Plug Connector
- 50 Ohms
- Straight Body Geometry

#### Features

- Max. Operating Frequency 12.4 GHz
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Reliable threaded coupling
- Small SMC connector form factor (50% smaller than SMA, radially)
- IEC 60169-20 SMC connector interface
- In stock and ready to ship

#### Applications

- General Purpose Test
- Custom Cable Assemblies
- Avionics
- A/D Modules
- Data Acquisition
- Software defined radio (SDR)
- RADAR/SONAR
- Ultra Wideband Digital Receivers
- Medical equipment

#### Description

L-com's LCCN45366 SMC plug connector with clamp/solder attachment for Semirigid Coax Cable, 047 Semi-rigid Coax Cable, Formable 047 Semi-rigid Coax Cable is part of our full line of RF components available for same-day shipping. Our SMC plug connector operates up to a maximum frequency of 12.4 GHz.

Our SMC plug connector LCCN45366 datasheet specifications and drawing with dimensions are shown below in this PDF. L-com's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, L-com has the right connector for the job. L-com can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
Insertion Loss			0.3	dB
Operating Voltage (AC)			250	Vrms
High Potential Voltage			400	Vrms
5 MHz				
Inner Conductor DC Resistance			4	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	1,000			MOhms
RF Leakage	-50			
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

- Length
- Width

0.53 in [13.46 mm]  
0.156 in [3.96 mm]

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Weight	0.007 lbs [3.18 g]
Mating Cycles	500 Cycles
Mating Torque	1.75 to 2 in-lbs [0.20 to 0.23 Nm]

#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	Teflon	
Body	Beryllium Copper	Gold MIL-G-45204
Coupling Nut	Beryllium Copper	Gold MIL-G-45204

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

Shock

Method 213, Condition B, 75G @6ms @1/2 sine

Vibration

Method 204, Condition D (20G)

Salt Spray

Method 101, Condition B, 5% salt solution

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

#### Plotted and Other Data

Notes:

SSMC Plug Connector Clamp/Solder Attachment for Semi-rigid/ 047 Semi-rigid/ Formable 047 Semi-rigid Coax 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.

URL: <https://www.l-com.com/ssmc-plug-lccn-047sr-lccn-sr047al-lccn-sr047fl-connector-lccn45366-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.

# LCCN45366 CAD Drawing

SSMC Plug Connector Clamp/Solder Attachment for Semi-rigid/

047 Semi-rigid/ Formable 047 Semi-rigid Coax Cable

