

SSMC Plug Right Angle Connector Solder Attachment for RG405, Semi-rigid/ Formable 086 Semi-rigid Coax Cable



LCCN45384

Configuration

- SSMC Plug Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG405

Features

- Max. Operating Frequency 10 GHz
- Good VSWR of 1.5:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Reliable threaded coupling
- Small SSMC connector form factor (50% smaller than SMA, radially)
- IEC 60169-20 SSMC 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 LCCN45384 SSMC plug right angle connector with solder/solder attachment for RG405 is part of our full line of RF components available for same-day shipping.

Our SSMC plug connector operates up to a maximum frequency of 10 GHz and offers good VSWR of 1.5:1. Its right angle body geometry allows for easier connections in tight spaces. Our SSMC plug right angle connector LCCN45384 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		10	GHz
VSWR			1.5:1	
Insertion Loss			0.3	dB
Operating Voltage (AC)			250	Vrms
High Potential Voltage 5 MHz			400	Vrms
Inner Conductor DC Resistance			4	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	1,000			MOhms
RF Leakage	-50			
Impedance		50		Ohms

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Mechanical Specifications

Size	
Length	0.421 in [10.69 mm]
Width	0.156 in [3.96 mm]
Height	0.322 in [8.18 mm]
Weight	0.006 lbs [2.72 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	Brass	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)

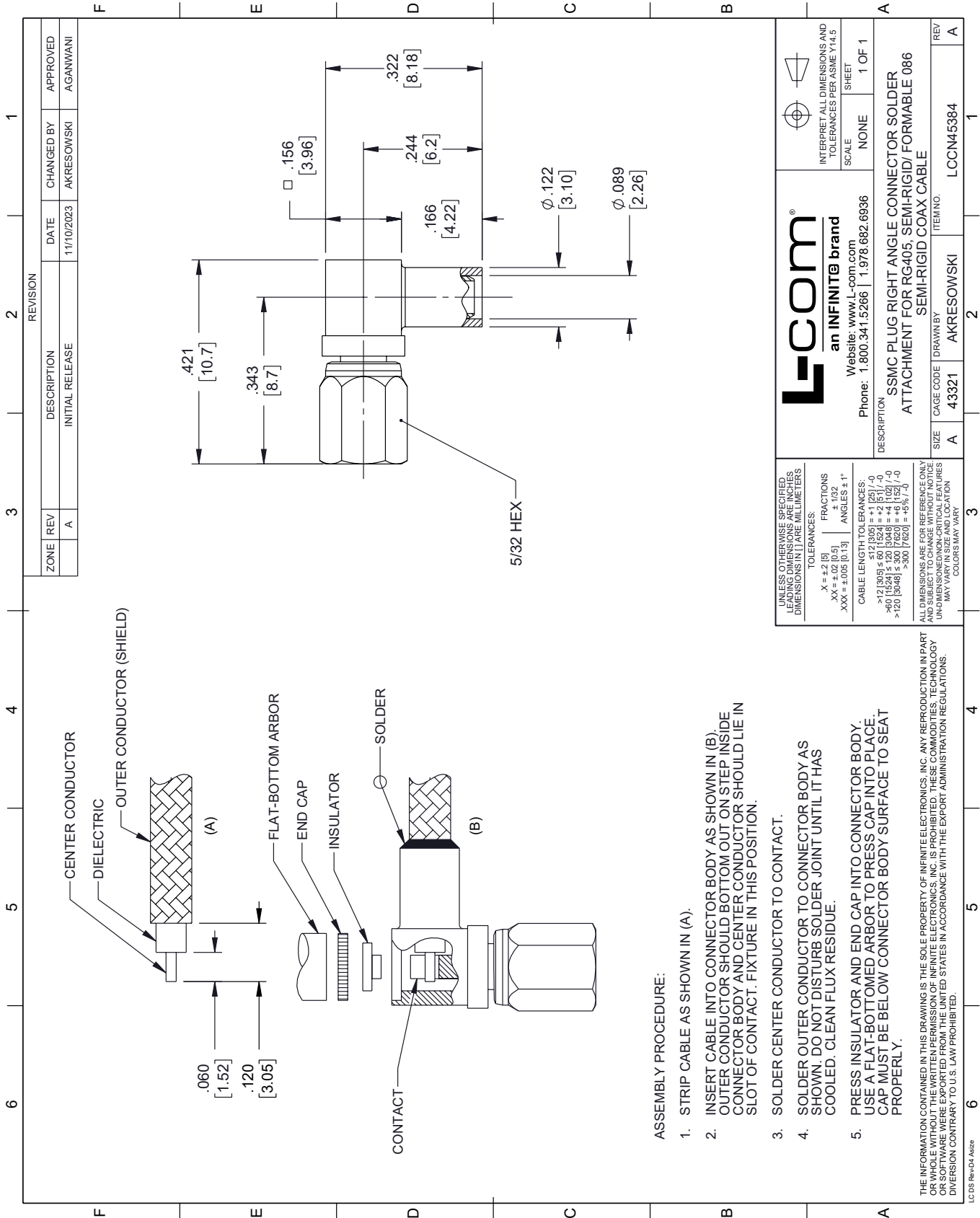
Plotted and Other Data

Notes:

SSMC Plug Right Angle Connector Solder Attachment for RG405, Semi-rigid/ Formable 086 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-sr405al-lccn-sr405fl-lccn-sr405tn-rg405-connector-lccn45384-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.



ASSEMBLY PROCEDURE:

1. STRIP CABLE AS SHOWN IN (A).
2. INSERT CABLE INTO CONNECTOR BODY AS SHOWN IN (B). OUTER CONDUCTOR SHOULD BOTTOM OUT ON STEP INSIDE CONNECTOR BODY AND CENTER CONDUCTOR SHOULD LIE IN SLOT OF CONTACT. FIXTURE IN THIS POSITION.
3. SOLDER CENTER CONDUCTOR TO CONTACT.
4. SOLDER OUTER CONDUCTOR TO CONNECTOR BODY AS SHOWN. DO NOT DISTURB SOLDER JOINT UNTIL IT HAS COOLED. CLEAN FLUX RESIDUE.
5. PRESS INSULATOR AND END CAP INTO CONNECTOR BODY. USE A FLAT-BOTTOMED ARBOR TO PRESS CAP INTO PLACE. CAP MUST BE BELOW CONNECTOR BODY SURFACE TO SEAT PROPERLY.

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.X = ±.2 (5)		Phone: 1.800.341.5266 1.978.682.6936		SHEET 1 OF 1	
.XX = ±.02 (0.5)		DESCRIPTION SSMC PLUG RIGHT ANGLE CONNECTOR SOLDER ATTACHMENT FOR RG405, SEMI-RIGID/ FORMABLE 086		REV A	
.XXX = ±.005 (0.13)		SIZE A		ITEM NO. LCCN45384	
ANGLES ±1°		CAGE CODE 43321		DRAWN BY AKRESOWSKI	
CABLE LENGTH TOLERANCES:		DRAWN BY AKRESOWSKI		REV A	
>12 (305) ≤ 60 (1524) = ±1 (25) / -0		CAGE CODE 43321		REV A	
>60 (1524) ≤ 120 (3048) = ±4 (102) / -0		DRAWN BY AKRESOWSKI		REV A	
>120 (3048) ≤ 300 (7620) = ±5 (127) / -0		DRAWN BY AKRESOWSKI		REV A	
>300 (7620) = ±5 (127) / -0		DRAWN BY AKRESOWSKI		REV A	
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