

12.4 GHz RP-SMA Female Bulkhead Mount Connector  
Crimp/Solder Attachment for RG196, RG178



**LCCN3186**

**Configuration**

- SMA Female Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- RG196, RG178 Interface Type
- Crimp/Solder Attachment
- Bulkhead

**Description**

The L-com LCCN3186 SMA female connector has a brass 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 reverse polarity coaxial connector works on a maximum frequency of 12.4 GHz and provides an excellent maximum VSWR of 1.3.

The 12.4 GHz SMA connector is available in a 0.780-inch length, 0.430-inch width, and 0.430-inch height. This straight coaxial connector has bulkhead mount. The RG196 coax connector allows developers to configure and customize their signal connections however they desire. This SMA connector with crimp/solder attachment has a high-quality construction and an impedance of 50 ohms.

The LCCN3186 RG196 coax RF connector with bulkhead mount has gold body plating. This 12.4 GHz brass coaxial connector comes with PTFE insulation. The SMA female connector weighs 0.006 pounds and is most used in USB software-defined radio dongles, hand-held 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		12.4	GHz
VSWR			1.3:1	
Operating Voltage (AC)			333	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

**Mechanical Specifications**

**Size**

Length	0.78in	[19.81mm]
Width/Dia.	0.43in	[10.92mm]
Height	0.43in	[10.92mm]
Weight	0.006lbs	[2.72g]
Mating Cycles	500Cycles	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[12.4 GHz RP-SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG196, RG178 LCCN3186](#)

12.4 GHz RP-SMA Female Bulkhead Mount Connector  
Crimp/Solder Attachment for RG196, RG178

**LCCN3186**



**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Gold

**Environmental Specifications**

**Temperature**

Operating Range

-65deg C to +165deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[12.4 GHz RP-SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG196, RG178 LCCN3186](#)

12.4 GHz RP-SMA Female Bulkhead Mount Connector  
Crimp/Solder Attachment for RG196, RG178

**LCCN3186**



**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:  
[12.4 GHz RP-SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG196, RG178 LCCN3186](#)

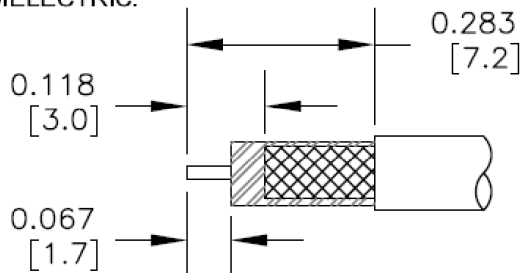
12.4 GHz RP-SMA Female Bulkhead Mount Connector  
Crimp/Solder Attachment for RG196, RG178

**LCCN3186**

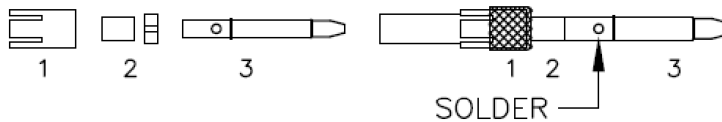


ASSEMBLY PROCEDURES

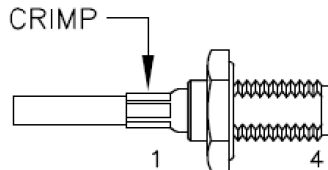
1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR & DIELECTRIC.



2. SLIDE FERRULE (1) OVER CABLE. FLAIR BRAID BACK OVER FERRULE (1). SLIDE SPACER (2) OVER DIELECTRIC. SOLDER CONTACT (3) TO CENTER CONDUCTOR.



3. CLEAN EXCESS SOLDER. SLIDE ASSEMBLY INTO BODY. SLIDE FERRULE (1) INTO BODY. ALLOW .05" CRIMP SPACE BEFORE BODY (4).



CRIMP SIZE REQUIRED

CONTACT: SOLDER  
FERRULE: .128" HEX CRIMP TOOL

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[12.4 GHz RP-SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG196, RG178 LCCN3186](#)

12.4 GHz RP-SMA Female Bulkhead Mount Connector  
Crimp/Solder Attachment for RG196, RG178

**LCCN3186**



12.4 GHz RP-SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG196, 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: 12.4 GHz RP-SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG196, RG178 LCCN3186

URL: <https://www.l-com.com/12.4-ghz-rp-sma-female-bulkhead-mount-connector-crimp-solder-attachment-rg196-rg178-lccn3186-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.

# 12.4 GHz RP-SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG196, RG178

## L-com CAD Drawing

