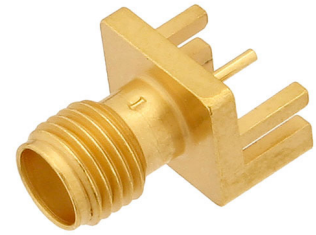


18 GHz SMA Female Connector Solder Attachment
.047 inch End Launch PCB, .030 inch Pin Diameter

LCCN3157



Configuration

- SMA Female Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- .047 inch End Launch Interface Type
- Solder Attachment

Description

The L-com LCCN3157 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 beryllium copper contact with gold over nickel plating. This threaded standard coaxial connector works on a maximum frequency of 18 GHz

The 18 GHz SMA connector is available in a 0.562-inch length, 0.375-inch width, and 0.312-inch height. The 0.047 inch end launch PCB connector allows developers to configure and customize their signal connections however they desire. This SMA connector with solder attachment has a high-quality construction and an impedance of 50 ohms.

The LCCN3157 0.047 inch end launch PCB RF connector has gold over nickel body plating. This 18 GHz brass coaxial connector comes with PTFE insulation. The SMA female connector weighs 0.011 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
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage			670	Vrms
	at 4 and 7 MHz			
@@Corona Discharge			250	Vrms
	at 70,000 feet			
Insulation Resistance	5,000			MOhms

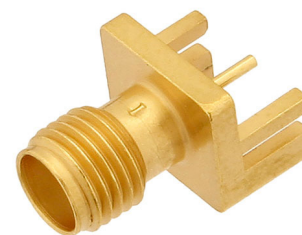
Mechanical Specifications

Size

Length	0.562in	[14.27mm]
Width/Dia.	0.375in	[9.53mm]
Height	0.312in	[7.92mm]
Weight	0.011lbs	[4.99g]

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 Female Connector Solder Attachment .047 inch End Launch PCB, .030 inch Pin Diameter LCCN3157](#)

18 GHz SMA Female Connector Solder Attachment
.047 inch End Launch PCB, .030 inch Pin Diameter



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Mating Cycles

500Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE	
Body	Brass	Gold over Nickel 10 µin minimum

Environmental Specifications

Temperature

Operating Range

-65deg C to +165deg C

Humidity

MIL-STD-202, Method 106

Shock

MIL-STD-202, Method 213, Condition I

Vibration

MIL-STD-202, Method 204, Condition D

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

18 GHz SMA Female Connector Solder Attachment .047 inch End Launch PCB, .030 inch Pin Diameter 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 Female Connector Solder Attachment .047 inch End Launch PCB, .030 inch Pin Diameter LCCN3157

URL: <https://www.l-com.com/18-ghz-sma-female-connector-solder-attachment-.047-inch-end-launch-pcb-.030-inch-pin-diameter-lccn3157-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.

L-com CAD Drawing

