

N Female Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/4 inch Superflexible, IP67 Rated



LCCN44727

Configuration

- N Female Connector
- IEC 60169-16
- 50 Ohms
- Straight Body Geometry
- 1/4 inch Superflexible, SPP-250-LLPL, SPO-250, SPF-250 Interface Type
- Clamp/Non-Solder Contact Attachment
- Low PIM Design

Features

- Operating Frequency up to 6 GHz
- VSWR Rating of 1.3:1
- PIM levels better than -160 dBc
- Brass Contact with 200 µin Silver Plating

Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications
- Distributed Antenna Systems (DAS)

Description

L-com's N Female Low PIM Connector Clamp Attachment for SPP-250-LLPL, SPO-250, SPF-250 uses a Clamp/Non-solder attachment method. This N connector is one of the many RF coaxial connectors available in L-com's product line and like all our products, ships the same day of purchase. Our N Female connector operates up to a maximum frequency of 3 GHz.

The specifications and a basic dimensional drawing for LCCN44727 N Female 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 connectorized cable assemblies to fit their RF interconnect needs. RF cables can be created to fulfill many interconnect applications ranging from In the Box hookup, to connectivity with test equipment or as part of a system installation. In addition to our offering of RF connectors and coaxial cable, L-com also offers both standard and custom cable assemblies to fit your specific needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.1:1	
Insertion Loss			0.1	dB
Passive Intermodulation			-160	dBc
	using 2x20W tones			
Operating Voltage (DC)			1,700	Vdc
Dielectric Withstanding Voltage (DC)			2,500	Vdc
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/4 inch Superflexible, IP67 Rated LCCN44727](#)

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Mechanical Specifications

Size

Length	1.87in	[47.5mm]
Width/Dia.	0.63in	[16.00mm]
Height	0in	[0mm]
Weight	0.164lbs	[74.39g]
Mating Cycles	500Cycles	

Material Specifications

Description	Material	Plating
Contact	Spring Copper	Silver 5 µm minimum
Insulation	PTFE	
Outer Conductor	Brass	Nickel 5 µm minimum
Body	Brass	Tri-Metal 2 µm minimum

Environmental Specifications

Temperature

Operating Range	-40deg C to +85deg C
Ingress Protection (IP) Rating	IP67 Rated
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6-Fc
Thermal Shock	IEC 60068-2-14-Na

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

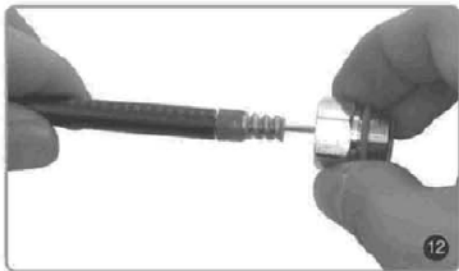
Plotted and Other Data

Assembly Instruction

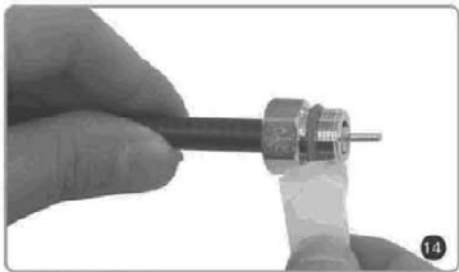
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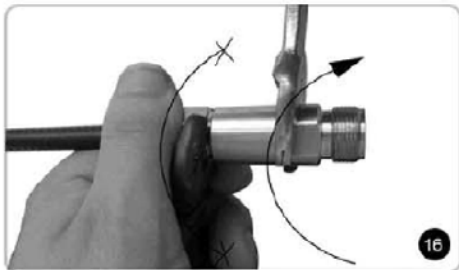
The front sawing edges of clamp and outer conductor should be flat.



Wipe the O-ring with grease.



screw the connector head onto the connector end.



Keep the clamp steady, screw the connector head onto the cable tightly. Recommended torque is 15 N-m.



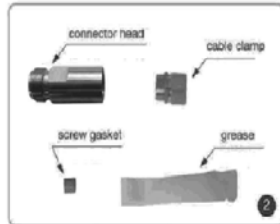
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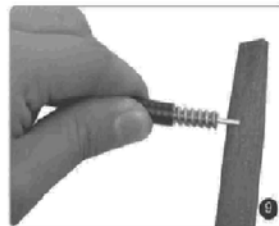
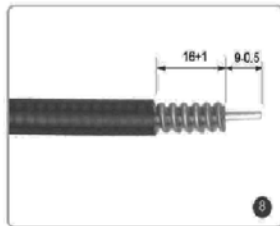
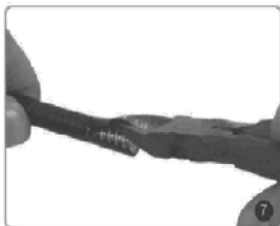
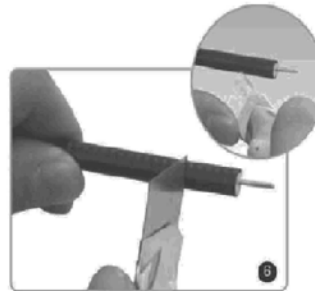
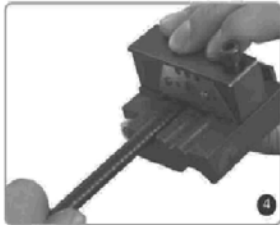
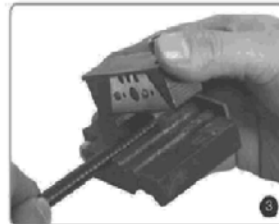
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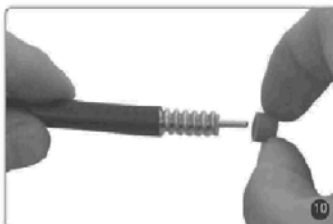
Assembly tools (recommended).



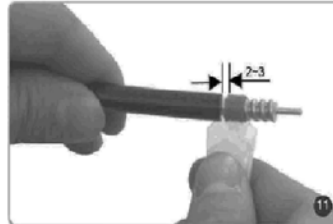
Connector Components.



Chamfer inner conductor 0.5 x 45° with flat file.



Put the screw gasket onto the cable, pay attention to the correct direction of the screw gasket. The angle direction towards the front.



Wipe the gasket with grease.

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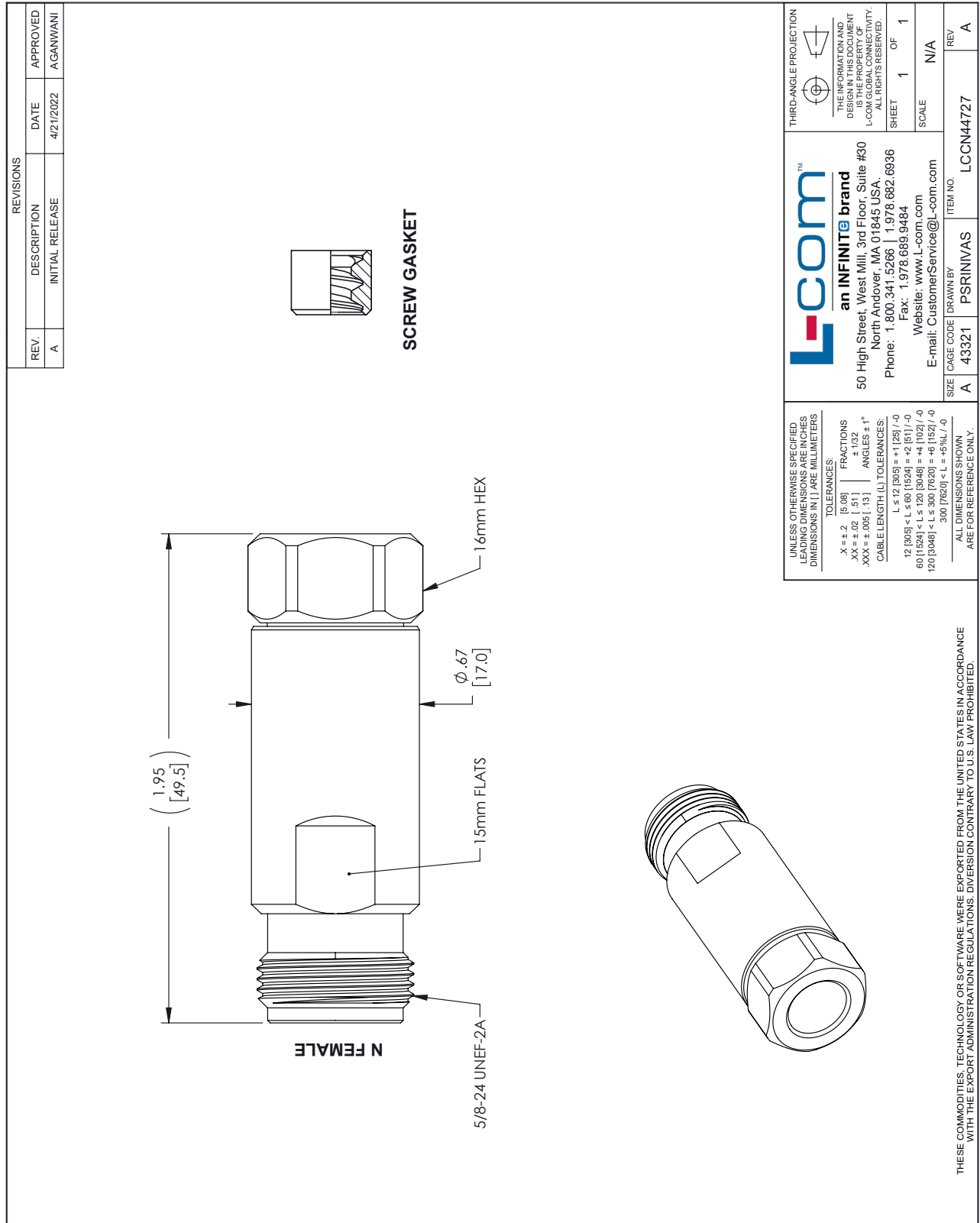
N Female Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/4 inch Superflexible, IP67 Rated from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, 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: [N Female Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/4 inch Superflexible, IP67 Rated LCCN44727](#)

URL:

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L-com CAD Drawing



T-Rev-D