

# ANT-W63-FPC-LH100UF ✓ ACTIVE

TE Internal #: L9000205-01

Flexible PCB (FPC) Antenna, Triple Band, Wi-Fi, Internal /Embedded Mount, Adhesive Mount, MHF1, Omnidirectional, Single Port, Gain > 6 dBi

[View on TE.com >](#)



Antennas



Antenna Type: **Flexible PCB (FPC)**

Band Type: **Triple Band**

Primary Application: **Wi-Fi**

Wireless Application: **Wi-Fi**

Mounting Location: **Internal/Embedded**

## Features

### Configuration Features

Antenna Type	Flexible PCB (FPC)
Band Type	Triple Band
Mounting Location	Internal/Embedded
Port Configuration	Single Port

### Industry Standards

Primary Application	Wi-Fi
Wireless Application	Wi-Fi

### Product Type Features

Antenna Termination	MHF1
Antenna Product Type	Antenna

### Signal Characteristics

Frequency Category	2400 – 7125
Peak Gain	> 6 dBi

### Mechanical Attachment

Mounting Type	Adhesive Mount
---------------	----------------

### Operation/Application

Directionality	Omnidirectional
----------------	-----------------

## Other

EU RoHS Compliance

Compliant

## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://TE.com)>

EU RoHS Directive 2011/65/EU

Compliant

EU ELV Directive 2000/53/EC

Not Yet Reviewed

China RoHS 2 Directive MIIT Order No 32, 2016

No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2024 (241)

Candidate List Declared Against: JUNE 2024 (241)

Does not contain REACH SVHC

Halogen Content

Low Bromine/Chlorine - Br and Cl &lt; 900 ppm per homogenous material. Also BFR /CFR/PVC Free

Solder Process Capability

Not reviewed for solder process capability

### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



TE Part # CONMHF1-SMD-G-T  
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount

TE Part # CONUFL001-SMD-T  
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount

TE Part # CONMHF1-SMD-T  
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount

TE Part # CONUFL001-SMD  
Conn UFL MHF Straight PCB Mount Jack

## Customers Also Bought



TE Part #4-2176058-1  
RLP73K 3A R47 5% 2K RL



TE Part #282843-3  
TERMI-BLOK PCB MOUNT 90 3P.1



TE Part #282844-2  
TERMI-BLOK PCB MOUNT 90 2P.



TE Part #L9000341-01  
Antenna Horz FPC 2.4GHz 120x20 100 UFL



TE Part #2329359-2  
PN OFF/ON HC RED M1 TERM IP68  
500MM LHS



TE Part #2329361-1  
PB OFF/ON RC BLK M1 TERM IP68  
500MM L



TE Part #1-1337431-0  
BNC Str Plg Hex 75Ohm Nickel Pltd  
RG179B



TE Part #6-1676913-1  
YR1 0.1% 280R



TE Part #1337775-1  
75 OHM COAX BNC STR PLUG P99-E



TE Part #1310963001  
ACW0219-0.50-0(NS)

## Documents

### Product Drawings

[Antenna WiFi6/6E FPC LH 45x7 100 UFL](#)

English

### CAD Files

[3D PDF](#)

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_L9000205-01\\_B.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_L9000205-01\\_B.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_L9000205-01\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

**Datasheets & Catalog Pages**

[Flexible Embedded WiFi 6/6E FPC Antennas](#)

English