

ANT-W63-FPC-LH50UF ✓ ACTIVE

TE Internal #: L9000201-01

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

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Antennas



Wireless Application: Wi-Fi

Mounting Location: Internal/Embedded

Mounting Type: Adhesive

Antenna Termination: N-type

Antenna Type: Flexible PCB (FPC)

Features

Product Type Features

Antenna Product Type	Antenna
Antenna Termination	N-type

Configuration Features

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

Signal Characteristics

Nominal Frequency Range	2400 – 7125
Peak Gain	> 6 dBi

Mechanical Attachment

Mounting Type	Adhesive
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Operation/Application

Directionality	Omnidirectional
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Industry Standards

Wireless Application	Wi-Fi
Primary Application	Wi-Fi

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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 # CONMHF1-SMD-T U.FL/MHF1 Jack 50 Ohm PCB Surface Mount	TE Part # CONUFL001-SMD Conn UFL MHF Straight PCB Mount Jack	TE Part # CONUFL001-SMD-T U.FL/MHF1 Jack 50 Ohm PCB Surface Mount

Documents

Product Drawings

[Antenna WiFi6/6E FPC LH 45x7 50 UFL](#)

English

Datasheets & Catalog Pages

[Sub-6 Cellular LTE-5G NR Frequency Band Guide](#)

English

[Virtual Antenna](#)

English

[Microsplatch Ground Plane Optimization](#)

English

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

English