

ANT-5GW-FPC-LH150UF

✓ ACTIVE

TE Internal #: L9000360-01

Flexible PCB (FPC) Antenna, Wide Band, 5G / Cellular / LTE,
Internal/Embedded Mount, Adhesive Mount, MHF / MHF1 /
UMCC, Omnidirectional, Single Port

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Antennas



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

Band Type: **Wide Band**

Primary Application: **5G, Cellular, LTE**

Wireless Application: **5G, Cat-M/NB-IoT, Cellular, LTE**

Mounting Location: **Internal/Embedded**

Features

Product Type Features

Antenna Termination	MHF, MHF1, U.FL, UMCC
Antenna Product Type	Antenna

Configuration Features

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

Signal Characteristics

Frequency Category	617 – 6000
Peak Gain	> 6 dBi

Mechanical Attachment

Mounting Type	Adhesive Mount
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Operation/Application

Directionality	Omnidirectional
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Industry Standards

Primary Application	5G, Cellular, LTE
Wireless Application	5G, Cat-M/NB-IoT, Cellular, LTE



Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 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-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount



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 # CONUFL001-SMD
Conn UFL MHF Straight PCB Mount Jack

Customers Also Bought

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TE Part #1062-20-0122
SOC, SF, SIZE 20, 16-22, NI/NI



TE Part #0462-201-1631
SOC, SOLID, SIZE 16, 16-20AWG, AU



TE Part #ANT-MAG-B50-RPS
Antenna Magnetic Base 50mm RG174 4M RPS



TE Part #HDC14-3
DUST CAP



TE Part #ANT-MAG-B85-RPS
Antenna Magnetic Base 85mm RG174 4M RPS



TE Part #L9000027-01
Antenna 1/2 Wave R-Angle 2.4GHz RPS



TE Part #ANT-ELE-S01-005
Antenna Whip 860-960MHz MagBase-Mnt



TE Part #T4112001051-000
M12,FEMALE,RA,A CODE,5P,PG7, GOLD



TE Part #2-2316113-3
2MM,REC,CNT,CRIMP,24-28AWG,TIN, LP



TE Part #1-2316108-0
10P,2MM,REC,HSG,DR,CRIMP,PLAIN, BOX

Documents

Product Drawings

Antenna 5GW FPC 45x7 1.13 coax 150mm UFL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L9000360-01_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_L9000360-01_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_L9000360-01_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 Cellular Sub-6 5G Antennas

English