

ANT-2.4-FPC-SH100UF

✓ ACTIVE

TE Internal #: L9000068-01

Flexible PCB (FPC) Antenna, Single Band, Bluetooth / ISM / Zigbee,
Internal/Embedded Mount, Adhesive Mount, MHF / U.FL / UMCC,
Omnidirectional

[View on TE.com >](#)



Antennas



Antenna Type: Flexible PCB (FPC)

Band Type: Single Band

Primary Application: Bluetooth, ISM, Zigbee

Wireless Application: Bluetooth, ISM, Zigbee

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	Single Band
Mounting Location	Internal/Embedded
Port Configuration	Single Port

Signal Characteristics

Frequency Category	2400 – 2500
Peak Gain	3 < 6 dBi

Mechanical Attachment

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

Operation/Application

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

Industry Standards

Primary Application	Bluetooth, ISM, Zigbee
Wireless Application	Bluetooth, ISM, Zigbee



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	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: 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 # CONUFL001-SMD
Conn UFL MHF Straight PCB Mount Jack



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

Customers Also Bought

ANT-2.4-FPC-SH100UF

Flexible PCB (FPC) Antenna, Single Band, Bluetooth / ISM / Zigbee, Internal /Embedded Mount, Adhesive Mount, MHF / U.FL / UMCC, Omnidirectional





TE Part #L9000060-01
[Antenna 2.4 FPC SF 25x20 100 UFL](#)



TE Part #ZPF000000000008202
[983-6KE 10-05 SN](#)



TE Part #826629-1
[AMPMODU II PIN HDR.1X01P](#)



TE Part #L9000046-01
[Antenna 2.4 FPC LV 7x45 200 UFL](#)



TE Part #L9000035-01
[Antenna 2.4 FPC LH 45x7 100 MHF4](#)



TE Part #D20444-000
[FL2500-NO.1-I8-0-STK](#)



TE Part #770424-1
[02P.093 COMM P&S RCPT .248CL](#)



TE Part #1879457-7
[TE 2500W 3R3 5% Bracket](#)



TE Part #L9000037-01
[Antenna 2.4 FPC LH 45x7 100 UFL](#)



TE Part #316019-6
[040 PAIR MATE PLUG HSG ASY 28P](#)

Documents

Product Drawings

[Antenna 2.4 FPC SH 25x20 100 UFL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_L9000068-01_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000068-01_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000068-01_B.3d_igs.zip](#)

English

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

Datasheets & Catalog Pages



Flexible Embedded 2.4 GHz FPC Antennas

English