ANT-2.4-FPC-SAH50UF ✔ ACTIVE

TE Internal #: L9000058-01

Flexible PCB (FPC) Antenna, Single Band, Bluetooth / ISM / Zigbee, Internal/Embedded Mount, Adhesive, MHF / MHF1 / U.FL, Omnidirectional, Single Port

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Antennas



Wireless Application: **Bluetooth, ISM, Zigbee**

Mounting Location: **Internal/Embedded**

Mounting Type: **Adhesive**

Frequency Category: **2400 – 2500**

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

Features

Product Type Features

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

Configuration Features

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

Signal Characteristics

Frequency Category	2400 – 2500
Peak Gain	0 < 3 dBi

Mechanical Attachment

Mounting Type	Adhesive

Operation/Application

Directionality	Omnidirectional

Industry Standards

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

Product Compliance

For compliance documentation, visit the product page on 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 2024 (241) Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

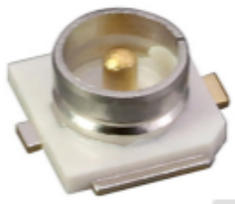
Product Compliance Disclaimer

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 # CONMHF1-SMD-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



TE Part #2344654-6
WLAN DUAL BAND ANTENNA PCB V 100 MHF4 TY



TE Part #2344655-1
PCB ANT, MHF, 50mm, Wi-Fi TRIPLE BAND



TE Part #2344655-2
PCB ANT, MHF, 100mm, Wi-Fi TRIPLE BAND



TE Part #L9000054-01
Antenna 2.4 FPC SH 12x8 100 UFL



TE Part #L9000057-01
Antenna 2.4 FPC SH 12x8 50 MHF4



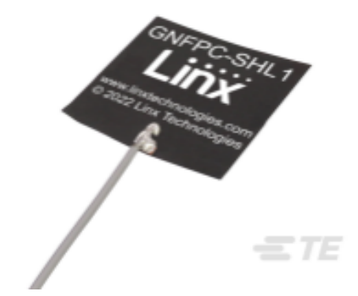
TE Part #L9000060-01
Antenna 2.4 FPC SF 25x20 100 UFL



TE Part #L9000210-01
Antenna WiFi6/6E FPC LV 7x45 100 MHF4



TE Part #L9000371-01
Antenna GNSS FPC SH L1 13x13 100 MHF4



TE Part #L9000368-01
Antenna GNSS FPC SH L1 13x13 100 UFL



TE Part #2118439-3
WIFI DUAL BAND ANTENNA ASSY W /160MM CABL

Documents

Product Drawings

Antenna 2.4 FPC SH 12x8 50 UFL

English

CAD Files

Customer View Model

ENG_CVM_CVM_L9000058-01_B.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L9000058-01_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_L9000058-01_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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

SBCHE64R7K 1393431-1 141991-2 1903112-2 3430B2F51RTDF 3631B101LL RH73H2A40MKTN U5254-000005-030PA 2377783-2 ROX05SJ18R 1743455-2 MPT100C18RF TE50BR39J 2005330-1 2310537-1 2834055-1 CPF0402B37K4E1 175977-2 1969656-1 650075-000 936348-1 917696-1 1-794222-0 1-962915-1 2-292161-3 3-1393225-0 SMW73R0JT 2380312-2 CRGCQ2010J3K3 SBCHE154R7K