

ANT-W63-FPC2-UFL-100

✓ ACTIVE

TE Internal #: L9000203-01

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

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Antennas



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

Band Type: **Triple Band**

Primary Application: **Wi-Fi**

Wireless Application: **Wi-Fi**

Mounting Location: **Internal/Embedded**

Features

Product Type Features

Antenna Termination	MHF1
Antenna Product Type	Antenna

Configuration Features

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

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<2.4:1

Signal Characteristics

Frequency Band	2400 – 2485 MHz
Gain (Max)	3.2 dB
Frequency Category	2400 – 7125
Peak Gain	> 6 dBi

Body Features

Product Weight	.6 g[.02116 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Adhesive Mount

Dimensions

Product Width	12 mm[.47 in]
Product Length	42 mm[1.65 in]
Product Height	.2 mm[.01 in]
Cable Length	.1 m[.33 ft]

Operation/Application

Directionality	Omnidirectional
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Industry Standards

Primary Application	Wi-Fi
Wireless Application	Wi-Fi

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: JUNE 2024 (241) Does not contain REACH SVHC
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-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




TE Part #2-1393236-4
V23092-A1024-A301




TE Part #1-2176238-3
CPF A 0805 39R 0.1% 25PPM 5K RL




TE Part #1-84953-0
1MM FPC HORZ.TOP CONT.ASSY 10P




TE Part #L9000234-01
Antenna WIFI6 2.4/5/6 GHz RPC UFL 100



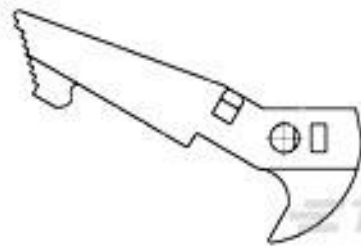
TE Part #1SNG626170R0000
EP-SGL-PG21-GR-B



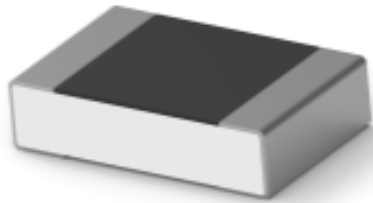
TE Part #8-1614881-9
CPF 0603 2K2 0.1% 25PPM 5K RL




TE Part #L9000230-01
Antenna WiFi6/6E FPC 20x110 100 UFL



TE Part #1825851-1
AMPMODU MOD IV LATCH for AMPLA



TE Part #2-2176379-9
RQ 0805 210R 0.1% 10PPM 5K RL



TE Part #1676221-2
RN 0805 1K0 0.1% 10PPM 1KRL

Documents

Product Drawings



Antenna WiFi6 2.4/5/6 GHz FPC UFL 100

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L9000203-01_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_L9000203-01_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_L9000203-01_A.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 Antenna

English