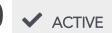
# ANT-5GLFPC1-UFL-100 V ACTIVE



TE Internal #: L9000126-01

Flexible PCB (FPC) Antenna, Multi Band, 5G / Cellular / LTE, Internal

/Embedded Mount, Adhesive Mount, MHF1 / U.FL / UMCC,

Omnidirectional, Single Port

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#### Antennas



Antenna Type: Flexible PCB (FPC)

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

#### **Electrical Characteristics**

Impedance	50 Ω
VSWR (Max)	<6.8:1

## Signal Characteristics

Frequency Band	698 – 803 MHz
Frequency Category	698 – 4200
Peak Gain	3 < 6 dBi

## **Body Features**

Product Weight	.6 g[.02116 oz]



#### Mechanical Attachment

Polarization	Linear	
Mounting Type	Adhesive Mount	
Dimensions		
Product Width	15 mm[.59 in]	
Product Length	39 mm[1.54 in]	
Product Height	.2 mm[.01 in]	
Cable Length	.1 m[.33 ft]	
Operation/Application		
Directionality	Omnidirectional	
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 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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (1.34% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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



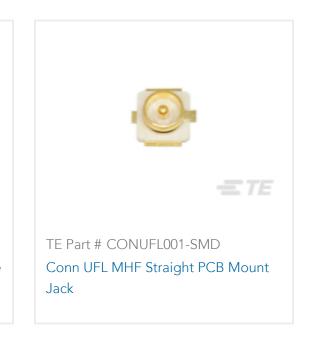
numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the 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









# Customers Also Bought























### **Documents**

### **Product Drawings**

Antenna FPC Sub-6 LTE/5G 1.13 100 UFL

English

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_L9000126-01\_A.3d\_igs.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_L9000126-01\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_L9000126-01\_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 Sub-6 Cellular LTE/5G Antenna

English