ANT-GNFPC-SHL15100UF ✔ ACTIVE

TE Internal #: L000518-01

Flexible PCB (FPC) Antenna, Multi Band, GNSS / GPS, Internal /Embedded Mount, Adhesive Mount, MHF / MHF1 / U.FL, Omnidirectional, Single Port

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Antennas

Communication Protocol: **GNSS, GPS**

Mounting Location: **Internal/Embedded**

Mounting Type: **Adhesive Mount**

Frequency Category: **1164 – 1610**

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	Multi Band
Port Configuration	Single Port

Signal Characteristics

Frequency Category	1164 – 1610

Mechanical Attachment

Mounting Type	Adhesive Mount

Operation/Application

Directionality	Omnidirectional

Industry Standards

Communication Protocol	GNSS, GPS
Primary Application	GNSS, GPS

Product Compliance

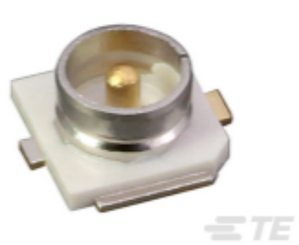
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # CONUFL001-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

Customers Also Bought

TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings

TE Part #CAT-SE594-M1L
M8 Male Straight to Female Straight Double Ended Cable

TE Part #T4061110004-004
M8 CABLE ST M 3M 4POS PVC CABLE

TE Part #L000517-01
Antenna GNSS FPC SH L1/L5 25x25 50 UFL

TE Part #2480662-1
SMA F St BHD to Open Semi-rigid.047 50mm

TE Part #L9000344-01
Antenna GNSS FPC SH L1 25x25 100 UFL

TE Part #L9000367-01
Antenna GNSS FPC SH L1 13x13 50 UFL

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

Documents

Product Drawings

Antenna GNSS FPC SH L1/L5 25x25 100 UFL

English

Antenna GNSS FPC SH L1/L5 25x25 100 UFL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L000518-01_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_L000518-01_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_L000518-01_A.3d_igs.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

25X25 GNSS FPC datasheets

English

Product Specifications

Product Specification

English