



TE Internal #: 2195873-1
 Flexible PCB (FPC) Antenna, Multi Band, Cellular / GNSS / LTE,
 External Mount, Connector Mount, Omnidirectional, Single Port, 3
 < 6 dBi Peak Gain

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Antennas



Antenna Type: **Flexible PCB (FPC)**
 Band Type: **Multi Band**
 Primary Application: **Cellular, GNSS, LTE**
 Wireless Application: **Cellular, GNSS, LTE**
 Mounting Location: **External**

Features

Product Type Features

Antenna Product Type	Antenna
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Configuration Features

Antenna Style	Flexible PCB
Antenna Type	Flexible PCB (FPC)
Band Type	Multi Band
Mounting Location	External
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<4.0:1

Signal Characteristics

Frequency Category	698 – 2700
Peak Gain	3 < 6 dBi



Body Features

Product Weight	44 g[1.58 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Connector Mount

Dimensions

Product Width	46.95 mm[1.85 in]
Product Length	61.9 mm[2.44 in]
Product Height	16.1 mm[.634 in]
Cable Length	.2 m[.66 ft]

Operation/Application

Wireless Standard	Cellular, GPS
Directionality	Omnidirectional

Industry Standards

Primary Application	Cellular, GNSS, LTE
Wireless Application	Cellular, GNSS, LTE

Product Availability

Applicable Region	Americas
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Packaging Features

Packaging Method	Box
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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	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	Not Yet Reviewed for halogen content
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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



Documents

Product Drawings

LEMBAS LTE GNSS USB Modem

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2195873-1_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2195873-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2195873-1_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

Instructions Manual LEMBAS

English

Product Specifications



Product Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English