

2195873-1 ✓ ACTIVE

TE Internal #: 2195873-1

Flexible PCB (FPC) Antenna, Multi Band, LTE / GNSS / Cellular,
External Mount, Connector, Omnidirectional, Single Port, Gain 3 <
6 dBi

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Antennas



Wireless Application: Cellular, GNSS, LTE

Mounting Location: External

Mounting Type: Connector

Antenna Type: Flexible PCB (FPC)

Directionality: Omnidirectional

Features

Configuration Features

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

Electrical Characteristics

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

Signal Characteristics

| | |
|-------------------------|------------|
| Nominal Frequency Range | 698 – 2700 |
| Peak Gain | 3 < 6 dBi |

Body Features

| | |
|----------------|---------------|
| Product Weight | 44 g[1.58 oz] |
|----------------|---------------|



Mechanical Attachment

| | |
|---------------|-----------|
| Polarization | Linear |
| Mounting Type | Connector |

Dimensions

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

Operation/Application

| | |
|-------------------|-----------------|
| Wireless Standard | Cellular, GPS |
| Directionality | Omnidirectional |

Industry Standards

| | |
|----------------------|---------------------|
| Wireless Application | Cellular, GNSS, LTE |
| Primary Application | Cellular, GNSS, LTE |

Product Availability

| | |
|-------------------|----------|
| Applicable Region | Americas |
|-------------------|----------|

Packaging Features

| | |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

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 2023 (233) Not Yet Reviewed |
| 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

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Datasheets & Catalog Pages

Instructions Manual LEMBAS

English

Product Specifications

Product Specification

English

Instruction Sheets



[Instruction Sheet \(U.S.\)](#)

English