

ANT-GNCP-C185L160

✓ ACTIVE

TE Internal #: ANT-GNCP-C185L160  
Patch Antenna, Multi Band, GNSS / GPS, Internal/Embedded  
Mount, Adhesive, MHF / MHF1 / U.FL, Directional, Single Port,  
Gain > 6 dBi  
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Antennas



Wireless Application: GNSS, GPS  
Mounting Location: Internal/Embedded  
Mounting Type: Adhesive  
Frequency Category: 1164 – 1610  
Antenna Type: Patch

Features

Product Type Features

Antenna Termination	MHF, MHF1, U.FL, UMCC
Antenna Product Type	Antenna

Configuration Features

Mounting Location	Internal/Embedded
Antenna Type	Patch
Band Type	Multi Band
Port Configuration	Single Port

Signal Characteristics

Frequency Category	1164 – 1610
Peak Gain	> 6 dBi

Mechanical Attachment

Mounting Type	Adhesive
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Operation/Application

Directionality	Directional
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Industry Standards

Wireless Application	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 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.28% in Component Part) <b>Article Safe Usage Statements:</b> 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

 TE Part # CONMHF1-SMD-G-T U.FL/MHF1 Jack 50 Ohm PCB Surface Mount	 TE Part # CONMHF1-SMD-T U.FL/MHF1 Jack 50 Ohm PCB Surface Mount	 TE Part # CONUFL001-SMD Conn UFL MHF Straight PCB Mount Jack	 TE Part # CONUFL001-SMD-T U.FL/MHF1 Jack 50 Ohm PCB Surface Mount
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Customers Also Bought

ANT-GNCP-C185L160

Patch Antenna, Multi Band, GNSS / GPS, Internal/Embedded Mount, Adhesive, MHF / MHF1 / U.FL, Directional, Single Port, Gain > 6 dBi





TE Part #917780-1  
2.5 S.D.L POST HDR ASY 2P STD



TE Part #917782-1  
2.5 S.D.L POST HDR ASY 4P STD



TE Part #2232983-1  
EP 2.5 LIF RCPT CONTACT, 24-20 AWG



TE Part #3-2176339-0  
CRGCQ 0603 2K7 1%



TE Part #2337224-1  
TACT ULTRA TB 2.6X1.6X0.55 160GF



TE Part #2176230-1  
3522 0R0 5% 3W



TE Part #1744426-2  
Header Housing Assy, EP 2.5 RA, 2 Pos.



TE Part #CONMHF4-SMD-G-T  
MHF4 Jack 50 Ohm PCB Surface Mount



TE Part #5-2176422-2  
TLRP 2512 3.0W R008 1% 50PPM 4K RL

Documents

Product Drawings

Antenna GNSS L1 18x18 LNA 1.13 UFL

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_ANT-GNCP-C185L160\_B.3d\_igs.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_ANT-GNCP-C185L160\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_ANT-GNCP-C185L160\_B.3d\_stp.zip

English

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

Datasheets & Catalog Pages



L1 Active Ceramic Patch GNSS Antenna

English