

ANT-GNCP-TH258L15

✓ ACTIVE

TE Internal #: ANT-GNCP-TH258L15
Patch Antenna, Multi Band, GNSS / GPS, Internal/Embedded
Mount, Through-Hole/Tab Mount, Solder, Directional, Single Port,
3 < 6 dBi Peak Gain
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Antennas



Communication Protocol: **GNSS, GPS**
Mounting Location: **Internal/Embedded**
Mounting Type: **Through-Hole/Tab Mount**
Frequency Category: **1164 – 1610**
Antenna Type: **Patch**

Features

Product Type Features

Antenna Termination	Solder
Antenna Product Type	Antenna

Configuration Features

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

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<6.4:1

Signal Characteristics

Frequency Band	1170 – 1183 MHz
Gain (Max)	1 dB
Frequency Category	1164 – 1610
Peak Gain	3 < 6 dBi

Mechanical Attachment

Polarization	RHCP
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Mounting Type	Through-Hole/Tab Mount
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Dimensions

Product Width	25 mm[.98 in]
Product Length	25 mm[.98 in]
Product Height	8 mm[.31 in]

Operation/Application

Directionality	Directional
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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 with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (3.28% 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 < 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 # L000670-01
L1/L5 MICRO SPLATCH GNSS CHIP ANTENNA

Customers Also Bought

TE Part #ANT-GNRM-L125A-3
Antenna GNSS L1L2L5 Ext Mag RG174 3M SMA

TE Part #L000670-80
L1/L5 MICRO SPLATCH GNSS ANTENNA EVB

TE Part #L000696-80
Ceramic Patch with EVB, 1561-1602MHz

TE Part #1-1674231-1
2.5MM PITCH BATTERY REC ASSEMBLY DIP TYP

TE Part #6-1879337-8
CPF 0603 12K4 1% 50PPM 1K RL

TE Part #2081563-1
ADAPTER N FEMALE TO N FEMALE 4-H FLG-MT

TE Part #2-2176325-1
CRGP 0402 470R 1%

TE Part #6-2176397-6
3502 510R 1%

TE Part #2450874-1
4P,MATE-AX,HDR,ASSY,90EDG,CODA

TE Part #2356617-1
40POS,TAB0.64X0.64,HDR ASSY, 90DEG,SMD

Documents

Product Drawings
Antenna GNSS L1L5 25x25 1.13 UFL

ANT-GNCP-TH258L15

Patch Antenna, Multi Band, GNSS / GPS, Internal/Embedded Mount, Through-Hole /Tab Mount, Solder, Directional, Single Port, 3 < 6 dBi Peak Gain



English

CAD Files

Customer View Model

ENG_CVM_CVM_ANT-GNCP-TH258L15_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_ANT-GNCP-TH258L15_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-GNCP-TH258L15_A.3d_stp.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

L1/L5 Ceramic Patch GNSS Antenna

English