



GNSS

TE Internal #: 2108847-1
GNSS, Antenna, GNSS, Adhesive, Printed Circuit Board, Tab Mount (Through Hole), GNSS – Global – 1559 – 1610 MHz / GNSS – Global – 1215 – 1250 MHz

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Antennas



Wireless Application: **GNSS**
Mounts To: **Printed Circuit Board**
Mounting Retention Type: **Adhesive**
Antenna Connection Type: **Tab Mount (Through Hole)**
Application by Region: **GNSS – Global – 1215 – 1250 MHz, GNSS – Global – 1559 – 1610 MHz**

Features

Product Type Features

Antenna Connection Type	Tab Mount (Through Hole)
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Configuration Features

Band Type	Dual Band
Antenna Protocol	GNSS
Number of Ports	1
Antenna Style	Embedded

Electrical Characteristics

VSWR (Max)	<1.5
Impedance	50 Ω
Active Antenna	No

Signal Characteristics

Frequency Band	1215 – 1250 MHz, 1559 – 1610 MHz
Gain (Max)	2.7 dB



Body Features

Product Weight	37 g[1.30514 oz]
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Mechanical Attachment

Region	Global
Polarization	RHCP
Mounts To	Printed Circuit Board
Mounting Retention Type	Adhesive

Dimensions

Product Length	41 mm[1.615 in]
Product Width	41 mm[1.615 in]
Product Height	8 mm[.315 in]

Usage Conditions

Application by Region	GNSS – Global – 1215 – 1250 MHz, GNSS – Global – 1559 – 1610 MHz
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Operation/Application

Wireless Standard	L1/GPS Glonass Galileo
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Industry Standards

Wireless Application	GNSS
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Packaging Features

Packaging Method	Tray/Box
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Other

Precision Level	Standard
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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	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (3.7% 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 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 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

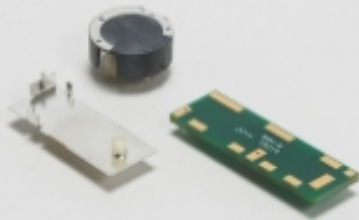


TE Part # 2118708-4
1 PC STD SHIELD, AL-26.21X26.21X5.08MM



TE Part # 2118712-2
1 PC STD SHIELD, CRS-44.37X44.37X9.75MM

Also in the Series | GNSS



Antennas(23)

Customers Also Bought



TE Part #878513-000

Bulbous Heat Shrink Boots: Lipped, Right Angle

TE Part #154717-6

PL 250 REC TERMINAL 14-11 AWG PTPB

TE Part #1-1703543-0

2POS,TAB 2.8X0.8,TAB HSG,ASSY

Documents

Product Drawings

Ceramic patch antenna, SMD, L1+G1 & L2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2108847-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2108847-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2108847-1_1.3d_stp.zip

English

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

Datasheets & Catalog Pages

Ceramic ant., SMD, L1+G1 & L2

English