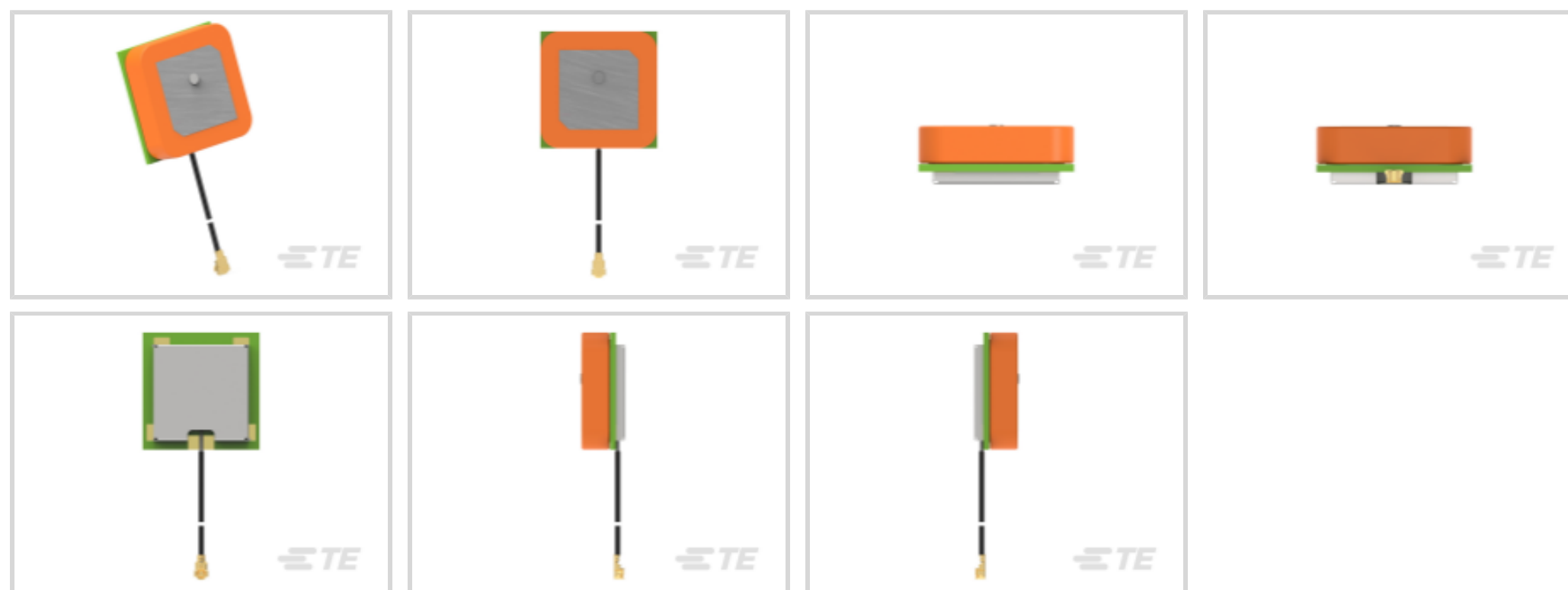


Antennas

Communication Protocol: **GNSS**Mounting Location: **Internal/Embedded**Mounting Type: **Adhesive Mount**Frequency Category: **1164 – 1610**Antenna Type: **Patch****Features****Product Type Features**

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

Configuration Features

Antenna Style	Patch
Mounting Location	Internal/Embedded
Antenna Type	Patch
Band Type	Dual Band

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Active
VSWR (Max)	<3.3:1

Signal Characteristics

Frequency Band	1459 – 1710 MHz, 1559 – 1610 MHz
Gain (Max)	30.2 dB
Frequency Category	1164 – 1610
Peak Gain	> 6 dBi

Body Features

Product Weight	16.6 g[.58555 oz]
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Mechanical Attachment

Polarization	RHCP
Mounting Type	Adhesive Mount

Dimensions

Product Width	25 mm[.985 in]
Product Length	25 mm[.985 in]
Product Height	10.5 mm[.414 in]
Cable Length	.04 m[.13 ft]
Cable Insulation Diameter (Max)	1.13 mm[.045 in]

Operation/Application

Directionality	Directional
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Industry Standards

Communication Protocol	GNSS
Primary Application	GNSS

Product Availability

Applicable Region	Global
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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	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 2024 (241)

SVHC > Threshold:

Pb (3.7% in Component Part)

2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (5% 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

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

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>

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2108852-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2108852-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2108852-2_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Active ant.,MHF,94mm,L1+G1](#)

English

Product Specifications

[Process Specification](#)

English

