



Antennas



Mounting Location: **External**  
Mounting Type: **Screw Mount**  
Antenna Type: **Whip**  
Directionality: **Omnidirectional**  
Band Type: **Single Band**

**Features**

**Product Type Features**

Antenna Product Type	Antenna
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**Configuration Features**

Antenna Style	Whip
Mounting Location	External
Antenna Type	Whip
Band Type	Single Band

**Electrical Characteristics**

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<1.6:1

**Signal Characteristics**

Frequency Band	470 – 512 MHz
Gain (Max)	5.17 dB

**Body Features**

Product Weight	14.8 g[.522 oz]
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### Mechanical Attachment

Polarization	Linear
Mounting Type	Screw Mount

### Dimensions

Product Diameter	6 mm[.236 in]
Product Length	124 mm[4.88 in]

### Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

### Industry Standards

IP Rating	IP67
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### Product Availability

Applicable Region	Americas
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### Packaging Features

Packaging Method	Bag/Carton
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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: JAN 2025 (247) SVHC > Threshold: Pb (4% 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	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 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

<p><b>CELLULAR x 4</b> <b>WI-FI x 2</b> <b>GNSS x 1</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 4 Wi-Fi RP-SMA x 2 GNSS SMA x 1 Whip QMA x 1</p> <p>TE Part # L001044-02 8P Veh,Ant,4x5G,2xWiFi,1xGNSS, 1xWhip</p>	<p><b>CELLULAR x 2</b> <b>WI-FI x 2</b> <b>GNSS x 1</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 2 Wi-Fi SMA x 2 GNSS SMA x 1 Whip SMA x 1</p> <p>TE Part # L000423-09 6-Port,2x 5G/LTE,2x WiFi,GNSS,WHIP, BLK</p>	<p><b>CELLULAR x 2</b> <b>WI-FI x 4</b> <b>GNSS x 1</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 2 Wi-Fi RP-SMA x 4 GNSS SMA x 1 Whip TNC x 1</p> <p>TE Part # L000423-04 8-Port,2x 5G/LTE,4x WiFi,1xGNSS, Whip,BLK</p>	<p><b>CELLULAR x 4</b> <b>WI-FI x 2</b> <b>GNSS x 1</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 4 Wi-Fi RP-SMA x 2 GNSS SMA x 1 Whip BNC x 1</p> <p>TE Part # L001044-01 8P Veh,Ant,4x5G,2xWiFi,1xGNSS, 1xWhip</p>
<p><b>CELLULAR x 2</b> <b>WI-FI x 2</b> <b>GNSS x 2</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 2 Wi-Fi RP-SMA x 2 GNSS SMA x 2 Whip SMA x 1</p> <p>TE Part # L000423-03 7-Port,2x 5G/LTE,2x WiFi,2xGNSS, Whip,BLK</p>	<p><b>CELLULAR x 2</b> <b>WI-FI x 4</b> <b>GNSS x 2</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 2 Wi-Fi RP-SMA x 3 GNSS SMA x 1 Whip QMA x 1</p> <p>TE Part # L000423-05 9-Port,2x 5G/LTE,4x WiFi,2xGNSS, Whip,BLK</p>	<p><b>CELLULAR x 2</b> <b>WI-FI x 4</b> <b>GNSS x 2</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 2 Wi-Fi RP-SMA x 4 GNSS SMA x 2 Whip TNC x 1</p> <p>TE Part # L000423-06 9-Port,2x 5G/LTE,4x WiFi,2xGNSS, Whip,BLK</p>	<p><b>CELLULAR x 2</b> <b>WI-FI x 3</b> <b>GNSS x 1</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 2 Wi-Fi RP-SMA x 3 GNSS SMA x 1 Whip SMA x 1</p> <p>TE Part # L000423-11 7-Port,2x 5G/LTE,3x WiFi,GNSS,WHIP, BLK</p>
<p><b>CELLULAR x 2</b> <b>WI-FI x 2</b> <b>GNSS x 2</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 2 Wi-Fi FAKRA 1 x 1 GNSS FAKRA C x 1 Whip TNC x 1</p> <p>TE Part # L000423-02 7-Port,2x 5G/LTE,2x WiFi,2xGNSS, Whip,BLK</p>	<p><b>CELLULAR x 2</b> <b>WI-FI x 3</b> <b>GNSS x 2</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 2 Wi-Fi FAKRA 1 x 1 GNSS FAKRA C x 1 Whip BNC x 1</p> <p>TE Part # L000423-12 8-Port,2x5G/LTE,3xWiFi,2xGNSS,Whip, BLK</p>	<p><b>CELLULAR x 2</b> <b>WI-FI x 2</b> <b>GNSS x 2</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 2 Wi-Fi FAKRA 1 x 1 GNSS FAKRA C x 1 Whip BNC x 1</p> <p>TE Part # L000423-13 7-Port,2x5G/LTE,2xWiFi,2xGNSS,Whip, BLK</p>	<p><b>CELLULAR x 2</b> <b>WI-FI x 2</b> <b>GNSS x 1</b> <b>WHIP x 1</b></p> <p>Cellular SMA x 2 Wi-Fi RP-SMA x 2 GNSS SMA x 1 Whip TNC x 1</p> <p>TE Part # L000423-07 6-Port,2x 5G/LTE,2x WiFi,GNSS,Whip, BLK</p>

### Customers Also Bought



## Documents

### Product Drawings

Monopole Whip,UHF,470-512MHz

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_L000410-03\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_L000410-03\\_1.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_L000410-03\\_1.2d\\_dxf.zip](#)

English

### 3D PDF

3D

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

## Datasheets & Catalog Pages



## DATASHEET VEHICULAR-WHIP-ANTENNAS

English