

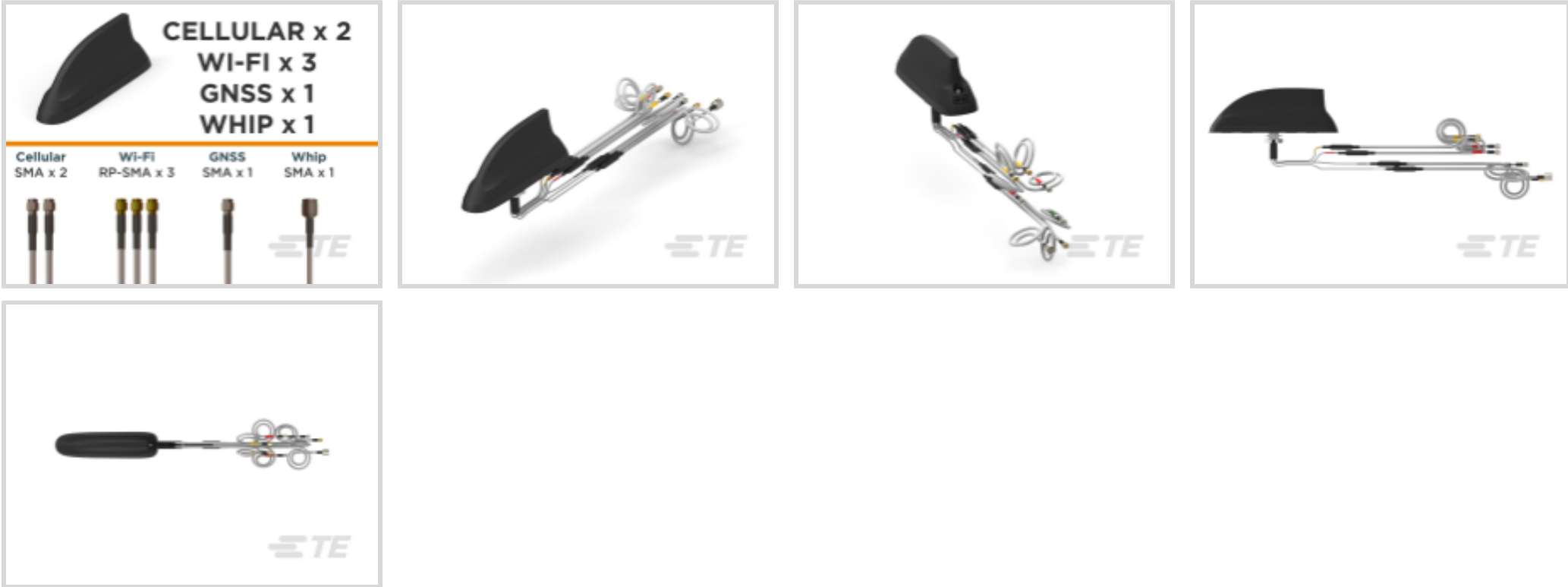


TE Internal #: L000423-11

Shark Fin Antenna, Multi Band, Vehicular, External Mount, Stud Mount, RP-SMA / SMA / TNC, Omnidirectional, Multiple Ports, 3 < 6 dBi Peak Gain

[View on TE.com >](#)

Antennas



Communication Protocol: **Vehicular**

Mounting Location: **External**

Mounting Type: **Stud Mount**

Frequency Category: **617 – 7125**

Antenna Type: **Shark Fin**

Features

Product Type Features

|                      |                  |
|----------------------|------------------|
| Antenna Termination  | RP-SMA, SMA, TNC |
| Antenna Product Type | Antenna          |

Configuration Features

|                    |                |
|--------------------|----------------|
| Antenna Style      | Shark Fin      |
| Mounting Location  | External       |
| Antenna Type       | Shark Fin      |
| Band Type          | Multi Band     |
| Port Configuration | Multiple Ports |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Impedance         | 50 Ω    |
| Antenna Operation | Passive |
| VSWR (Max)        | <3:1    |

Signal Characteristics

|                |                                                                               |
|----------------|-------------------------------------------------------------------------------|
| Frequency Band | 617 – 960 MHz, 1427 – 1511 MHz, 1690 – 4000 MHz, 2400 – 2500 MHz, 4000 – 7200 |
|----------------|-------------------------------------------------------------------------------|



|                    |                                            |
|--------------------|--------------------------------------------|
|                    | MHz, 4900 – 6000 MHz                       |
| Gain (Max)         | 2 dB, 3 dB, 3.3 dB, 3.7 dB, 4.6 dB, 4.8 dB |
| Frequency Category | 617 – 7125                                 |
| Peak Gain          | 3 < 6 dBi                                  |

Body Features

|                |        |
|----------------|--------|
| Product Weight | 2190 g |
|----------------|--------|

Mechanical Attachment

|               |            |
|---------------|------------|
| Polarization  | Linear     |
| Mounting Type | Stud Mount |

Dimensions

|                |                 |
|----------------|-----------------|
| Product Width  | 63 mm[2.48 in]  |
| Product Length | 245 mm[9.64 in] |
| Product Height | 84 mm[3.3 in]   |
| Cable Length   | 5.3 m[17.4 ft]  |

Operation/Application

|                     |                 |
|---------------------|-----------------|
| Antenna Environment | Outdoor         |
| Wireless Standard   | Cellular        |
| Directionality      | Omnidirectional |

Industry Standards

|                        |             |
|------------------------|-------------|
| IP Rating              | IP67, IP69K |
| Communication Protocol | Vehicular   |
| Primary Application    | Vehicular   |

Product Availability

|                   |        |
|-------------------|--------|
| Applicable Region | Global |
|-------------------|--------|

Packaging Features

|                  |        |
|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

Other

|                 |          |
|-----------------|----------|
| Precision Level | Standard |
|-----------------|----------|

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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (3.33% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 # L000410-01  
Monopole Whip,TETRA UHF, 380-430MHz



TE Part # L000340-01  
Vehicle Whip 150-175/450-512/735-960MHz



TE Part # L000410-03  
Monopole Whip,UHF,470-512MHz



TE Part # L000410-04  
Monopole Whip,UHF,740-960MHz



TE Part # L000434-04  
8-Port,4x 5G/LTE,2x WIFI,GNSS,BT,BLK



TE Part # L000410-02  
Monopole Whip,UHF,450-470MHz



TE Part # L000434-09  
7-Port,4x 5G/LTE,2x WIFI,GNSS,WHT

## Documents

### Product Drawings

[7-Port,2x 5G/LTE,3x WiFi,GNSS,WHIP,BLK](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_L000423-11\\_1.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_L000423-11\\_1.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_L000423-11\\_1.3d\\_igs.zip](#)

English

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

### Datasheets & Catalog Pages

[FP20 auto Datasheet and Kitting Guide](#)

English

### Product Specifications

[Test Specification](#)

English