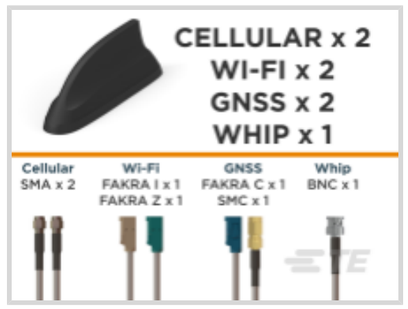
L000423-12 ✔ ACTIVE

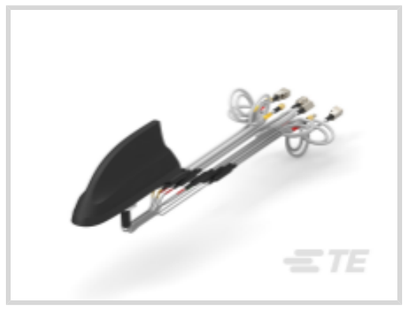
TE Internal #: L000423-12

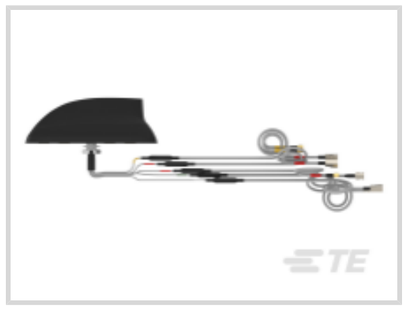
Shark Fin Antenna, Multi Band, Vehicular, External Mount, Stud, BNC / Fakra / SMA, Omnidirectional, Multiple Ports, Gain 3 < 6 dBi

View on TE.com >

Antennas








Wireless Application: **5G**

Mounting Location: **External**

Mounting Type: **Stud**

Antenna Termination: **BNC, Fakra, SMA**

Antenna Type: **Shark Fin**

Features

Product Type Features

Antenna Termination	BNC, Fakra, SMA

Configuration Features

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

Electrical Characteristics

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

Signal Characteristics

Gain (Max)	2 dB, 3 dB, 3.3 dB, 3.7 dB, 4.6 dB, 4.8 dB
Frequency Band	617 – 960 MHz, 1427 – 1511 MHz, 1690 – 4000 MHz, 2400 – 2500 MHz, 4000 – 7200 MHz, 4900 – 6000 MHz

Nominal Frequency Range	617 – 7125
Peak Gain	3 < 6 dBi

Body Features

Product Weight	2100 g[74.08 oz]

Mechanical Attachment

Polarization	Linear
Mounting Type	Stud

Dimensions

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

Operation/Application

Antenna Environment	Outdoor
Wireless Standard	Cellular
Directionality	Omnidirectional

Industry Standards

IP Rating	IP67
Wireless Application	5G
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	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed

China RoHS 2 Directive MIIT Order No 32, 2016	Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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.

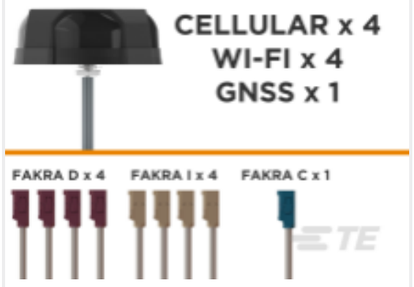
Compatible Parts

TE Part # L000410-01
Monopole Whip,TETRA UHF, 380-430MHz

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

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

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



TE Part # L000434-02
9-Port,4x 5G/LTE,4x WIFI,GNSS,BLK

TE Part # L000434-05
8-Port,4x 5G/LTE,2x WIFI,GNSS,BT,BLK

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

Documents

Product Drawings

8-Port,2x5G/LTE,3xWiFi,2xGNSS,Whip,BLK

English

CAD Files

Customer View Model

ENG_CVM_CVM_L000423-12_1.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L000423-12_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_L000423-12_1.3d_igs.zip

English

Datasheets & Catalog Pages

FP20 auto Datasheet and Kitting Guide

English

Product Specifications

Test Specification

English