



TE Internal #: L000340-01

Whip Antenna, Triple Band, Cellular / Vehicular, External Mount, Stud/Screw/Lug Mount, M5, Omnidirectional, Single Port, 3 < 6 dBi Peak Gain

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Antennas



Communication Protocol: **Cellular, Vehicular**

Mounting Location: **External**

Mounting Type: **Stud/Screw/Lug Mount**

Frequency Category: **154 – 250**

Antenna Type: **Whip**

Features

Product Type Features

Antenna Termination	M5
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Whip
Band Type	Triple Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	< 2.0:1, <2.5:1, <3.1:1

Signal Characteristics

Frequency Band	150 – 160 MHz, 450 – 490 MHz, 490 – 512 MHz, 746 – 796 MHz, 806 – 870 MHz
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Gain (Max)	.52 dB, 2.94 dB, 3.4 dB, 3.8 dB
Frequency Category	154 – 250
Peak Gain	3 < 6 dBi

Body Features

Antenna Weight	38 g[1.34 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

Dimensions

Product Diameter	14.5 mm[.57 in]
Product Length	416 mm[16.38 in]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

IP Rating	IP67
Communication Protocol	Cellular, Vehicular
Primary Application	Cellular, Vehicular

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: JUNE 2022 (224)

SVHC > Threshold:

Pb (2.24% in Lead in Copper)

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 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

**CELLULAR x 4
WI-FI x 2
GNSS x 1
WHIP x 1**

Cellular SMA x 4 Wi-Fi RP-SMA x 2 GNSS SMA x 1 Whip GMA x 1

TE Part # L001044-02
8P Veh,Ant,4x5G,2xWiFi,1xGNSS, 1xWhip

**CELLULAR x 4
WI-FI x 2
GNSS x 1
WHIP x 1**

Cellular SMA x 4 Wi-Fi RP-SMA x 2 GNSS SMA x 1 Whip BNC x 1

TE Part # L001044-01
8P Veh,Ant,4x5G,2xWiFi,1xGNSS, 1xWhip

**CELLULAR x 2
WI-FI x 2
GNSS x 1
WHIP x 1**

Cellular SMA x 2 Wi-Fi SMA x 2 GNSS SMA x 1 Whip SMA x 1

TE Part # L000423-09
6-Port,2x 5G/LTE,2x WiFi,GNSS,WHIP, BLK

**CELLULAR x 2
WI-FI x 4
GNSS x 1
WHIP x 1**

Cellular SMA x 2 Wi-Fi RP-SMA x 4 GNSS SMA x 1 Whip TNC x 1

TE Part # L000423-04
8-Port,2x 5G/LTE,4x WiFi,1xGNSS, Whip,BLK

**CELLULAR x 2
WI-FI x 4
GNSS x 2
WHIP x 1**

Cellular SMA x 2 Wi-Fi RP-SMA x 4 GNSS SMA x 2 Whip TNC x 1

TE Part # L000423-06
9-Port,2x 5G/LTE,4x WiFi,2xGNSS, Whip,BLK

**CELLULAR x 2
WI-FI x 2
GNSS x 2
WHIP x 1**

Cellular SMA x 2 Wi-Fi FAKRA I x 1 FAKRA Z x 1 GNSS FAKRA C x 1 SMA x 1 Whip TNC x 1

TE Part # L000423-02
7-Port,2x 5G/LTE,2x WiFi,2xGNSS, Whip,BLK

**CELLULAR x 2
WI-FI x 3
GNSS x 1
WHIP x 1**

Cellular SMA x 2 Wi-Fi RP-SMA x 3 GNSS SMA x 1 Whip SMA x 1

TE Part # L000423-11
7-Port,2x 5G/LTE,3x WiFi,GNSS,WHIP, BLK

**CELLULAR x 2
WI-FI x 3
GNSS x 2
WHIP x 1**

Cellular SMA x 2 Wi-Fi FAKRA I x 1 FAKRA Z x 1 SMA x 1 GNSS FAKRA C x 1 SMC x 1 Whip BNC x 1

TE Part # L000423-12
8-Port,2x5G/LTE,3xWiFi,2xGNSS,Whip, BLK



CELLULAR x 2
WI-FI x 2
GNSS x 2
WHIP x 1

Cellular SMA x 2 Wi-Fi FAKRA 1 x 1 / FAKRA Z x 1 GNSS FAKRA C x 1 / SMA x 1 Whip BNC x 1

TE Part # L000423-13
7-Port, 2x 5G/LTE, 2x WiFi, 2x GNSS, Whip, BLK

CELLULAR x 2
WI-FI x 2
GNSS x 1
WHIP x 1

Cellular SMA x 2 Wi-Fi RP-SMA x 2 GNSS SMA x 1 Whip TNC x 1

TE Part # L000423-07
6-Port, 2x 5G/LTE, 2x WiFi, GNSS, Whip, BLK

CELLULAR x 2
WI-FI x 2
GNSS x 2
WHIP x 1

Cellular SMA x 2 Wi-Fi RP-SMA x 2 GNSS SMA x 2 Whip SMA x 1

TE Part # L000423-03
7-Port, 2x 5G/LTE, 2x WiFi, 2x GNSS, Whip, BLK

CELLULAR x 2
WI-FI x 4
GNSS x 2
WHIP x 1

Cellular SMA x 2 Wi-Fi RP-SMA x 3 / QMA x 1 GNSS SMA x 1 / QMA x 1 Whip QMA x 1

TE Part # L000423-05
9-Port, 2x 5G/LTE, 4x WiFi, 2x GNSS, Whip, BLK

Customers Also Bought

CELLULAR x 2
WI-FI x 4
GNSS x 1
WHIP x 1

Cellular SMA x 2 Wi-Fi RP-SMA x 4 GNSS SMA x 1 Whip TNC x 1

TE Part # L000423-04
8-Port, 2x 5G/LTE, 4x WiFi, 1x GNSS, Whip, BLK

Documents

Product Drawings

[Vehicle Whip 150-175/450-512/735-960MHz](#)

English

[Vehicle Whip 150-175/450-512/735-960MHz](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_L000340-01_1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L000340-01_1.3d_igs.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_L000340-01_1.2d_dxf.zip](#)

English

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Datasheets & Catalog Pages

[ANT-DS-L000340-01](#)

English

Agency Approvals

[UK Declaration of Conformity](#)



English