

ANT-8/9-IPW1-SMA ✓ ACTIVE

TE Internal #: L9000132-01

Whip Antenna, Dual Band, LoRaWAN / LPWAN, External Mount, Stud/Screw/Lug Mount, SMA, Omnidirectional, Single Port, Gain 0 < 3 dBi

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Antennas



Wireless Application: **LoRaWAN, LPWAN, Wi-Fi**

Mounting Location: **External**

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

Frequency Category: **698 - 2700**

Antenna Type: **Whip**

Features

Product Type Features

Antenna Termination	SMA
Antenna Product Type	Antenna

Configuration Features

Mounting Location	External
Antenna Type	Whip
Band Type	Dual Band
Port Configuration	Single Port

Signal Characteristics

Frequency Category	698 - 2700
Peak Gain	0 < 3 dBi

Mechanical Attachment

Mounting Type	Stud/Screw/Lug Mount
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Operation/Application

Directionality	Omnidirectional
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Industry Standards

Wireless Application	LoRaWAN, LPWAN, Wi-Fi
Primary Application	LoRaWAN, LPWAN



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	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JAN 2024 (240)</p> <p>Candidate List Declared Against: JAN 2024 (240)</p> <p>SVHC > Threshold: Pb (2.82% in Component Part)</p> <p>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.</p>
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

 <p>TE Part # CONSMA001 SMA Jack 50 Ohm PCB Through Hole</p>	 <p>TE Part # CONSMA002-L-G SMA Jack 50 Ohm PCB Through Hole</p>	 <p>TE Part # CONSMA002-SMD-G SMA Jack 50 Ohm PCB Surface Mount</p>	 <p>TE Part # CONSMA008-G SMA Jack 50 Ohm Through Hole PCB</p>
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Customers Also Bought



TE Part # MS580302BA01-00
MS5803-02BA01 DIGIT PRESSURE
SENSOR TUBE



TE Part # 3-1734248-0
1.0 FPC, ZIF V/T, SMT, 30P



TE Part # 2-520083-2
ULTRA-FAST .110/.125 ASY REC 22-18
TPBR



TE Part # 9-2176526-8
3503G 2B 523R 1% 5K RL
TPBR



TE Part # 536096-5
150 EURO TYP R PIN AP MFBL ASY



TE Part # ANT-868-CW-RCS-SMA
Antenna 1/4 Wave R-Angle 868MHz
SMA



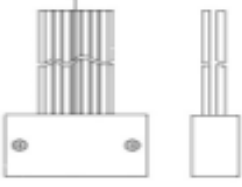
TE Part # ANT-916-MHW-SMA-S
Antenna 916MHz Dipole MHW Short
SMA



TE Part # CON SMA012-R58
SMA Plug 50 Ohm Cable Crimp



TE Part # L9000279-01
SMA Jack 50 Ohm .062 PCB Edge
Mount



TE Part # 5-1589477-9
STM051SC2DC060Q = WDUALOBE

Documents

Product Drawings

[Antenna Hinged Whip IP67 8/9 LPWA SMA](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_L9000132-01_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000132-01_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000132-01_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages



868/915 MHz LPWA Weatherproof Antenna

English