

ANT-LTE-WS-SMA

✓ ACTIVE

TE Internal #: ANT-LTE-WS-SMA
Terminal/Duck Antenna, Wide Band, Cellular / LTE, External
Mount, Stud/Screw/Lug Mount, SMA, Omnidirectional, Single Port,
3 < 6 dBi Peak Gain
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Antennas



Communication Protocol: Cat-M/NB-IoT, Cellular, LTE
Mounting Location: External
Mounting Type: Stud/Screw/Lug Mount
Frequency Category: 698 – 2700
Antenna Type: Terminal/Duck

Features

Product Type Features

Antenna Termination	SMA
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Terminal/Duck
Band Type	Wide Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<2.1:1

Signal Characteristics

Frequency Band	698 – 960 MHz
Gain (Max)	4.1 dB
Frequency Category	698 – 2700
Peak Gain	3 < 6 dBi

Mechanical Attachment

Polarization	Linear
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Mounting Type	Stud/Screw/Lug Mount
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Dimensions

Product Width	10.2 mm[.4 in]
Product Length	136.3 mm[5.37 in]
Product Height	0 mm[0 in]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Communication Protocol	Cat-M/NB-IoT, Cellular, LTE
Primary Application	Cellular, LTE

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

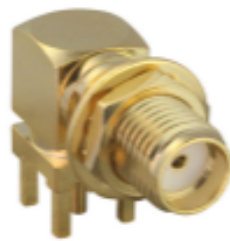
Product Compliance Disclaimer

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

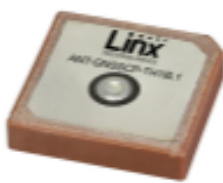
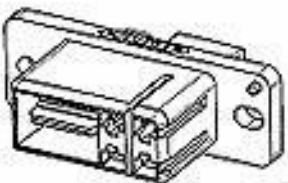
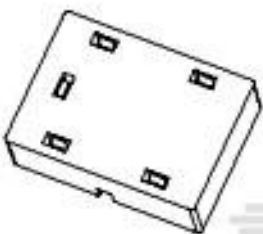
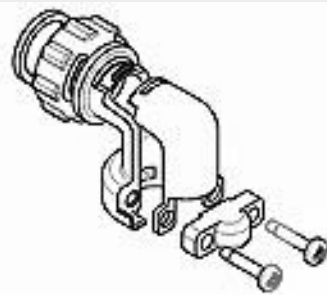


product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

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

 TE Part # CSI-UFFR-100-UFFR U.FL/MHF1 to U.FL/MHF1 100mm 1.13 OD	 TE Part # CONREVSMA011 RP-SMA Jack 50 Ohm PCB Cable Crimp	 TE Part # ANT-GNSSCP-TH18L1 Antenna GNSS L1 18x18 THM	 TE Part # CONREVSMA007 RP-SMA Plug 50 Ohm Cable Crimp
 TE Part # 183040-1 CPC SQ.FL.RCPT STD SEX SIZE	 TE Part # 1-292240-2 1.5 MINI CT HYBRID DRAWER 16P	 TE Part # 1423682-1 27E1064=SOCKET,PCB,T7C/T7N	 TE Part # 1546347-2 R/A CABLE CLAMP KIT,SZ 11,CPC
 TE Part # 1658539-2 PIN CONT DUPL PLT STRIP HD-20	 TE Part # L9000032-01 Antenna 1/2 Wave Swivel 2.4GHz SMA		

Documents

Product Drawings
Antenna Blade NBIOT LTE-M Swivel SMA
English



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ANT-LTE-WS-SMA_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_ANT-LTE-WS-SMA_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-LTE-WS-SMA_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

Dipole Blade LTE Antenna

English