

ANT-5GWWS1-SMA

✓ ACTIVE

TE Internal #: ANT-5GWWS1-SMA
Blade Antenna, Wide Band, 5G / Cellular / LTE, External Mount,
Stud/Screw/Lug Mount, SMA, Omnidirectional, Single Port, Gain 3
< 6 dBi
[View on TE.com >](#)



Antennas



Wireless Application: 5G, Cat-M/NB-IoT, Cellular, LTE
Mounting Location: External
Mounting Type: Stud/Screw/Lug Mount
Frequency Category: 617 – 6000
Antenna Type: Blade

Features

Product Type Features

Antenna Termination	SMA
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Blade
Band Type	Wide Band
Port Configuration	Single Port

Electrical Characteristics

VSWR (Max)	<3:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	.7 dB
Frequency Band	617 – 698 MHz
Frequency Category	617 – 6000
Peak Gain	3 < 6 dBi

Body Features

Product Weight	14.9 g[.52557 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

Dimensions

Product Width	20.1 mm[.79 in]
Product Length	135.7 mm[5.34 in]
Product Height	10 mm[.39 in]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Wireless Application	5G, Cat-M/NB-IoT, Cellular, LTE
Primary Application	5G, Cellular, LTE

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	Current ECHA Candidate List: JUNE 2024 (241) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

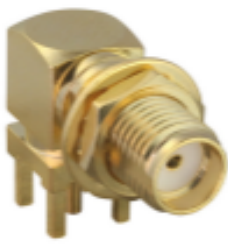
Product Compliance Disclaimer

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

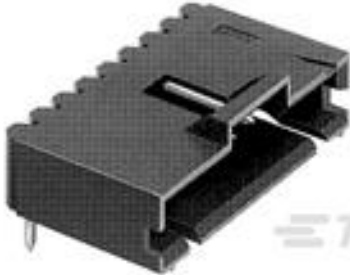
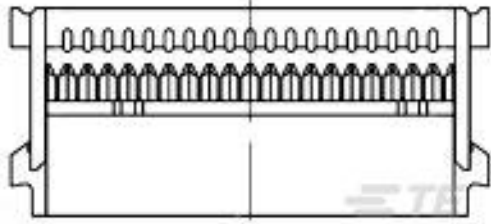
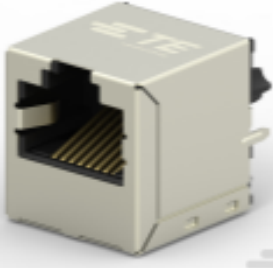


product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 TE Part # CONSMA001 SMA Jack 50 Ohm PCB Through Hole	 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 # CONSMA008-G SMA Jack 50 Ohm Through Hole PCB
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Customers Also Bought

 TE Part #T4133512041-000 M12,FRONT MOUNT,FEMALE,D,4P, SOLDER WIRE	 TE Part #175287-3 DYNAMIC D-3 TAB CONT. S AU 0.76 L /P	 TE Part #6-104935-0 10 MTE HDR SRRA LTCH.100CL LF	 TE Part #2-1658526-1 609-4041LF FEM SOCKET,LEAD FREE
 TE Part #1-2176094-3 RP 2A 0.25W 158K 0.1% 25PPM 1K RL	 TE Part #5-2176093-4 RP 2A 0.25W 34K8 0.1% 25PPM 1K RL	 TE Part #8-1879512-5 CRGH0805 1% 1M0 0.33W	 TE Part #2-1879496-3 CRGH0805 5% 100K 0.33W
 TE Part #9-2176093-4 RP 2A 0.25W 97K6 0.1% 25PPM 1K RL	 TE Part #5-2301995-1 RJ45 JACK INT.MAG. 1GB 1X1 VERT.		

Documents

Product Drawings
Antenna Dipole Blade 5G/LTE Swivel SMA
English



CAD Files

Customer View Model

ENG_CVM_CVM_ANT-5GWWS1-SMA_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-5GWWS1-SMA_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ANT-5GWWS1-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

Cellular Sub-6 5G Antenna

English