

ANT-B5-CW-QW-SMA

✓ ACTIVE

TE Internal #: ANT-B5-CW-QW-SMA
Terminal/Duck Antenna, Single Band, 5G / Cellular / LTE, External Mount, Stud/Screw/Lug Mount, SMA, Omnidirectional, Single Port, 0 < 3 dBi Peak Gain
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Antennas



Communication Protocol: 5G, Cat-M/NB-IoT, Cellular, LTE
Mounting Location: External
Mounting Type: Stud/Screw/Lug Mount
Frequency Category: 824 – 1990
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	Single Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<2.1:1

Signal Characteristics

Frequency Band	824 – 894 MHz
Gain (Max)	1.2 dB
Frequency Category	824 – 1990
Peak Gain	0 < 3 dBi

Mechanical Attachment

Polarization	Linear
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Mounting Type	Stud/Screw/Lug Mount
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Dimensions

Product Width	14.5 mm[.57 in]
Product Length	83.5 mm[3.29 in]
Product Height	0 mm[0 in]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Communication Protocol	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	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: FEB 2026 (253) 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 # ANT-B5-PW-QW
Antenna 1/4 Wave Whip LTE B5 RG174



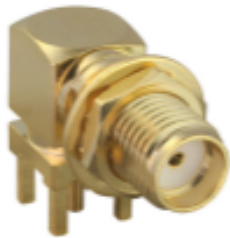
TE Part # CONSMA001
SMA Jack 50 Ohm PCB Through Hole



TE Part # CONSMA002-SMD-G
SMA Jack 50 Ohm PCB Surface Mount



TE Part # CONSMA008-G
SMA Jack 50 Ohm Through Hole PCB



TE Part # CONSMA002-L-G
SMA Jack 50 Ohm PCB Through Hole

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



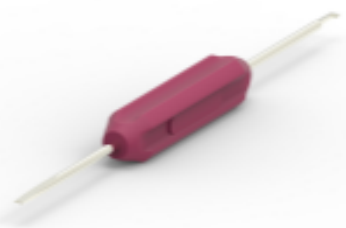
TE Part #DT04-2P-CE02
REC, 2P, BLK, E



TE Part #W2P
WEDGE LOCK, 2P, REC, GRN, DT



TE Part #ANT-DB1-LP-RM-01-N
Antenna Directional Tri-Band Hi-Gain N



TE Part #DT-RT1
EXT TOOL, FRONT RELEASE



TE Part #CSI-SGFI-200-UFFR
SMA to U.FL/MHF1 200mm 1.13 OD



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



TE Part #929937-3
JPT REC 2.8 Contact SWS Sn SMA

TE Part #1996745-1
SSMA VERTICAL PCB JACK



Documents

Product Drawings

Antenna 1/4 Wave Whip LTE B5 SMA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ANT-B5-CW-QW-SMA_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_ANT-B5-CW-QW-SMA_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-B5-CW-QW-SMA_C.3d_stp.zip

English

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

Datasheets & Catalog Pages

Single-Band Connectorized Monopole Antenna

English