ANT-B28-CW-QW-SMA V ACTIVE

TE Internal #: ANT-B28-CW-QW-SMA
Whip Antenna, Single Band, Cellular / LTE / 5G, External Mount,
Connector, SMA, Omnidirectional, Single Port, Gain 0 < 3 dBi

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Antennas



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

Mounting Location: External
Mounting Type: Connector
Antenna Termination: SMA

Antenna Type: Whip

Features

Product Type Features

Antenna Termination	SMA
Configuration Features	

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

Electrical Characteristics

VSWR (Max)	<2.7:1
Impedance	50 Ω

Signal Characteristics

Frequency Band	824 – 894 MHz, 824 – 894 MHz
Nominal Frequency Range	698 – 960
Peak Gain	0 < 3 dBi

Mechanical Attachment

Polarization	Linear
Mounting Type	Connector

Dimensions



Product Width	14.5 mm[.57 in]
Product Length	98.4 mm[3.87 in]
Product Height	0 mm[0 in]
Operation/Application	
Antenna Environment	Outdoor
Directionality	Omnidirectional
Industry Standards	
Wireless Application	5G, Cat-M/NB-IoT, Cellular, LTE

5G, Cellular, LTE

Product Compliance

Primary Application

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 2023 (235) 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-B28-PW-QW
Antenna 1/4 Wave Whip LTE B28
RG174



TE Part # CONSMA001 SMA Jack 50 Ohm PCB Through Hole



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





Customers Also Bought



TE Part #499252-2 020 STRAIN RELIEF A-L RCPT



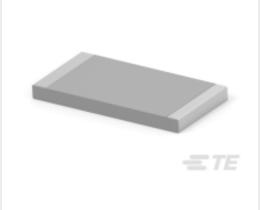
TE Part #NB-PTCO-011
Pt100, 2.0x2.3, Class A, PTFC101A1G0



TE Part #5-103956-1 10X2 MTE RCPT SR LATCH .100CL



TE Part #2-1879334-2 CPF 0603 3R32 1% 50PPM 1K RL



TE Part #2176331-2 CRGP 2512 12R 1%



TE Part #5510050002 PD-CAP-3/8-0



TE Part #5510320002 PD-CAP-1/8-0





TE Part #M3421-000006-100PG
PRESS XDCR M3421-000006-100PG

Documents

Whip Antenna, Single Band, Cellular / LTE / 5G, External Mount, Connector, SMA, Omnidirectional, Single Port, Gain 0 < 3 dBi



Product Drawings

Antenna 1/2 Wave Whip LTE B28 SMA

English

Datasheets & Catalog Pages

Single-Band Connectorized Monopole Antenna

English