

ANT-2.4-CW-CT-RPS

✓ ACTIVE

TE Internal #: L9000016-01
Terminal/Duck Antenna, Single Band, Bluetooth / ISM / Zigbee,
External Mount, Stud/Screw/Lug Mount, RP-SMA, Omnidirectional,
Single Port
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Antennas



Communication Protocol: **Bluetooth, ISM, Zigbee**
Mounting Location: **External**
Mounting Type: **Stud/Screw/Lug Mount**
Frequency Category: **2400 – 2500**
Antenna Type: **Terminal/Duck**

Features

Product Type Features

Antenna Termination	RP-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)	<1.9:1

Signal Characteristics

Frequency Band	2400 – 2485 MHz
Gain (Max)	2.8 dB
Frequency Category	2400 – 2500
Peak Gain	0 < 3 dBi

Body Features

Product Weight	10.68 g[.37671 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

Dimensions

Product Width	10 mm[.39 in]
Product Length	113 mm[4.45 in]
Product Height	0 mm[0 in]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Communication Protocol	Bluetooth, ISM, Zigbee
Primary Application	Bluetooth, ISM, Zigbee

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) 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

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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 # CONREVSMA002-SMD-G
RP-SMA RA Jack 50 Ohm PCB Surface
Mount



TE Part # L9000254-01
RP-SMA Jack 50 Ohm .031 PCB Edge
Mount



TE Part # CONREVSMA001-G
RP-SMA Jack 50 Ohm PCB Through
Hole



TE Part # L9000251-01
RP-SMA Jack 50 Ohm .062 PCB Edge
Mount

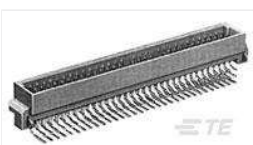
Customers Also Bought



TE Part #5-104071-7
04 SYSTEM 50 HDR SRST SHRD SN



TE Part #650478-5
048 EURO TYPE C PIN ST ASSY



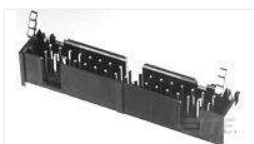
TE Part #650946-5
032 EURO TYPE C PIN ST ASSY



TE Part #2-1658527-8
622-3441LF=FSKT IDC S 34 30AU



TE Part #1658621-2
14 NOVO MIL/CTR 15DP, LEAD FREE



TE Part #2-1761608-5
IDC LOW PRO HDR 14P VERT SHT L



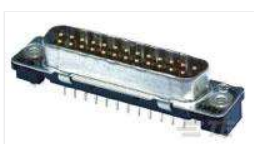
TE Part #1-5499786-1
A/L UNIV HDR 60P RA LAT



TE Part #5535070-4
ASSY, RECEPTACLE, EUROCARD, TYPE



TE Part #5650466-5
ASSEMBLY, RECEPTACLE, EURO, TYPE



TE Part #5748027-1
25 PLUG SP/FMS (IN, SL)

Documents

Product Drawings

Antenna 1/2 Wave Whip 2.4GHz RPS

English

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CAD Files

Customer View Model

[ENG_CVM_CVM_L9000016-01_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000016-01_A1.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_L9000016-01_A1.2d_dxf.zip](#)

English

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Datasheets & Catalog Pages

[ANT-2.4-CW-CT-xxx](#)

English