

ANT-2.4-JJB-ST

✓ ACTIVE

TE Internal #: L9000080-01
Helical Antenna, Single Band, Bluetooth / ISM / Zigbee, Internal /Embedded Mount, Through-Hole/Tab Mount, Solder, Omnidirectional, Single Port
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Antennas



Wireless Application: **Bluetooth, ISM, Zigbee**
Mounting Location: **Internal/Embedded**
Mounting Type: **Through-Hole/Tab Mount**
Frequency Category: **2400 – 2500**
Antenna Type: **Helical**

Features

Product Type Features

Antenna Termination	Solder
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Dome
Mounting Location	Internal/Embedded
Antenna Type	Helical
Band Type	Single Band
Port Configuration	Single Port

Electrical Characteristics

VSWR (Max)	<2.1:1
Impedance	50 Ω

Signal Characteristics

Frequency Band	2400 – 2485 MHz
Frequency Category	2400 – 2500
Peak Gain	< 0 dBi

Body Features

Product Weight	.44 g[.01552 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Through-Hole/Tab Mount

Dimensions

Product Width	7 mm[.28 in]
Product Length	17.6 mm[.69 in]
Product Height	0 mm[0 in]

Operation/Application

Directionality	Omnidirectional
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Industry Standards

Wireless Application	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	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





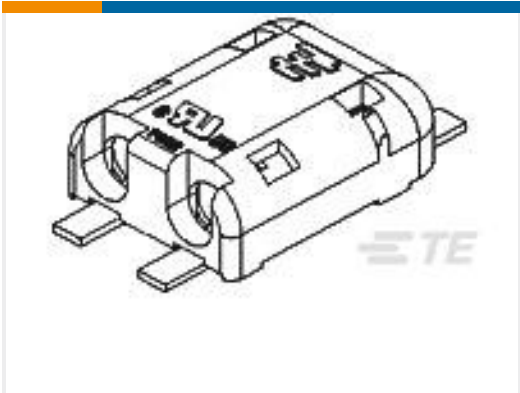



This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

 <p>TE Part # L9000079-01 Antenna Mini R-Angle 2.4GHz THM</p>	 <p>TE Part # L9000099-01 Antenna 1/4 Wave 2.4GHz Coil Screw #10</p>	 <p>TE Part # L9000103-01 Antenna uSP PCB RPC 2.4GHz SMT T&R</p>	 <p>TE Part # 2445750-1 ANTENNA 2.4GHz HELICAL VERTICAL THM</p>
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Customers Also Bought

 <p>TE Part #640457-2 02P MTA100 HDR ASSY SQ R/A F/L</p>	 <p>TE Part #7-188275-4 MICRO-MATCH SMD FTE</p>	 <p>TE Part #1-1473562-4 RITS CONN. PLUG ASSY 4P RED</p>	 <p>TE Part #1825910-6 FSM4JH=6MM TACT SWITCH, HIGH TEMP</p>
 <p>TE Part #1954097-1 Poke In SMT,2 Position Connect</p>	 <p>TE Part #60940-1 .058 PIN REC 24-20 010PTPPHBZ</p>	 <p>TE Part #327944 PIDG RECT 22-16COMM 22-18MIL 8</p>	 <p>TE Part #2232980-2 02P MTA100 HDR ASSY SM W SN</p>

Documents

Product Drawings
Antenna Mini 2.4GHz THM
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_L9000080-01_A.3d_stp.zip
English
Customer View Model
ENG_CVM_CVM_L9000080-01_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_L9000080-01_A.3d_igs.zip



English

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

Datasheets & Catalog Pages

ANT-2.4-JJB-xx

English