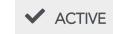
ANT-2.4-MSA-TH1 ACTIVE



TE Internal #: L9000090-01

Stamped Metal Antenna, Single Band, Bluetooth / ISM / Zigbee, Internal/Embedded Mount, Through-Hole/Tab Mount, Solder, Omnidirectional, Single Port

View on TE.com >



Antennas



Wireless Application: Bluetooth, ISM, Zigbee Mounting Location: Internal/Embedded Mounting Type: Through-Hole/Tab Mount

Antenna Termination: Solder Antenna Type: Stamped Metal

Features

Product Type Features

Antenna Termination	Solder
Configuration Features	
Mounting Location	Internal/Embedded
Antenna Type	Stamped Metal
Band Type	Single Band
Port Configuration	Single Port
Signal Characteristics	
Nominal Frequency Range	2400 – 2500
Peak Gain	3 < 6 dBi
Mechanical Attachment	
Mounting Type	Through-Hole/Tab Mount
Operation/Application	
Directionality	Omnidirectional
Industry Standards	
Wireless Application	Bluetooth, ISM, Zigbee
Primary Application	Bluetooth, ISM, Zigbee



Product Compliance

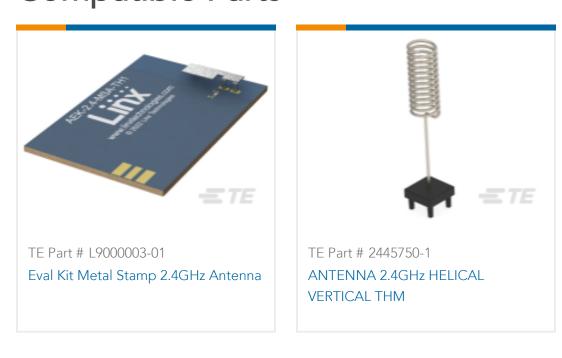
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No 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



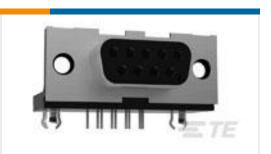
Customers Also Bought







TE Part #3-5177986-1 0.8FH,P08H.5,040,08/Sn,TR,SC



TE Part #3-106507-2 25P.HDP20 REC.ASSY.



TE Part #1903814-1
INDUSTRIAL USB REC ASSY R/A
1ROW







TE Part #5177986-5 0.8FH,P05H.5,120,08/Sn,TR,SC



TE Part #1-1470364-0

1.0MM W T B RECPT,10POSHOUSING



Documents

Product Drawings

Antenna 2.4GHz Metal Stamp THM

English

Datasheets & Catalog Pages

VHETH Antenna Series Ground Plane Optimization

English

Sub-6 Cellular LTE-5G NR Frequency Band Guide

English

Linx RF Module Identification guide

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Considerations for Operation within the 260-470MHz Band

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Proper PCB Design for Embedded Antennas

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Understanding Antenna Specifications and Operation

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Antennas Design, Application and Performance



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Antenna Color Codes

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The FCC Road Part 15 From Concept to Approval

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Solder Reflow Practices - Connectors

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RF 101 Information for the RF Challenged

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Virtual Antenna

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Microsplatch Ground Plane Optimization

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Stamped Metal 2.4 GHz ISM/Bluetooth Antenna

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