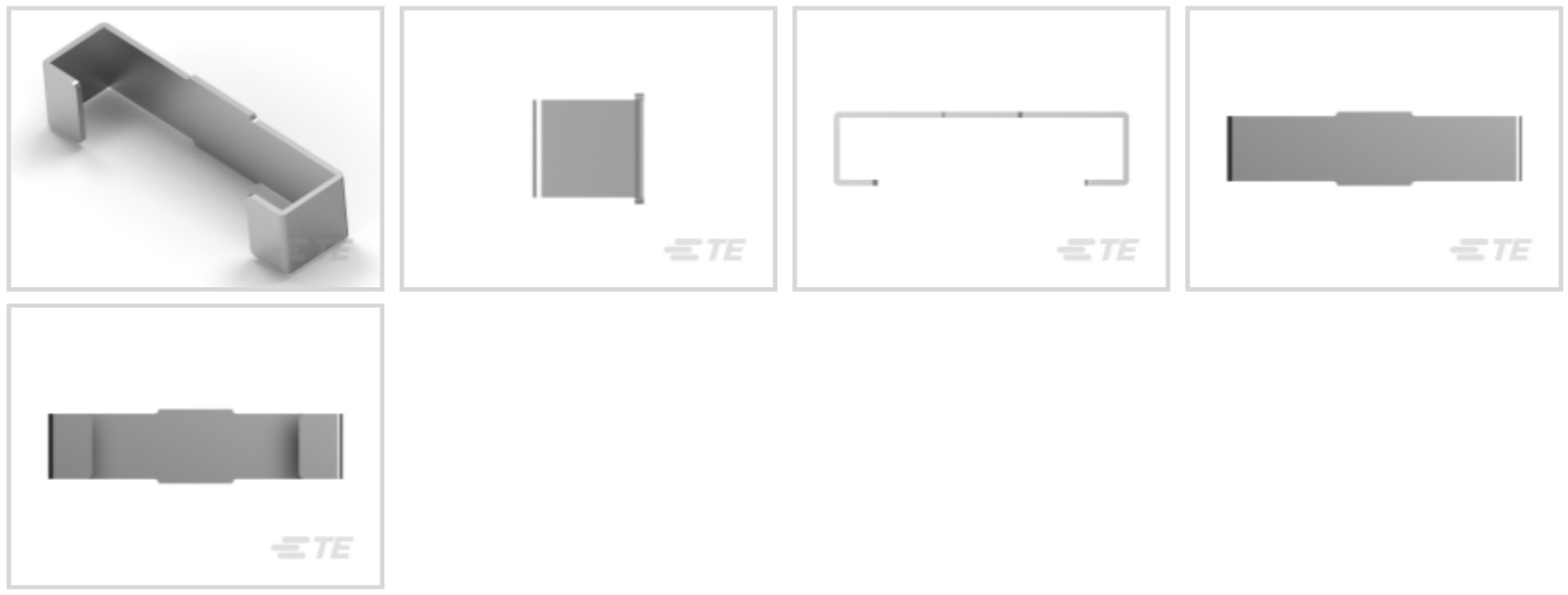
2108964-1 ✔ ACTIVE

TE Internal #: 2108964-1

Stamped Metal Antenna, Dual Band, Bluetooth / Wi-Fi, Internal /Embedded Mount, Surface Mount, Omnidirectional, Single Port, 3 < 6 dBi Peak Gain

View on TE.com >

Antennas



Communication Protocol: **Bluetooth, Wi-Fi, Zigbee**

Mounting Location: **Internal/Embedded**

Mounting Type: **Surface Mount**

Frequency Category: **2400 – 5950**

Antenna Type: **Stamped Metal**

Features

Product Type Features

Antenna Product Type	Antenna

Configuration Features

Antenna Style	Stamped
Mounting Location	Internal/Embedded
Antenna Type	Stamped Metal
Band Type	Dual Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<2:1

Signal Characteristics

Frequency Band	2400 – 2500 MHz, 4900 – 5875 MHz
Gain (Max)	2 dB, 4 dB

Frequency Category	2400 – 5950
Peak Gain	3 < 6 dBi

Body Features

Product Weight	.11 g[.00398 oz]

Mechanical Attachment

Polarization	Linear
Mounting Type	Surface Mount

Dimensions

Product Width	2.2 mm[.086 in]
Product Length	10 mm[.39 in]
Product Height	2.5 mm[.098 in]

Operation/Application

Wireless Standard	802.11 a/b/g/n, Bluetooth & ZigBee
Directionality	Omnidirectional

Industry Standards

Communication Protocol	Bluetooth, Wi-Fi, Zigbee
Primary Application	Bluetooth, Wi-Fi

Product Availability

Applicable Region	Global

Packaging Features

Packaging Method	Tape & Reel

Other

Precision Level	Standard

Product Compliance

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

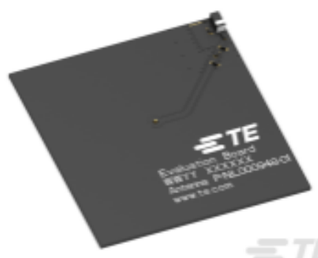
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250)

	Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 245°C

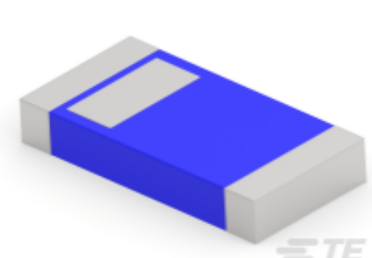
Product Compliance Disclaimer

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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

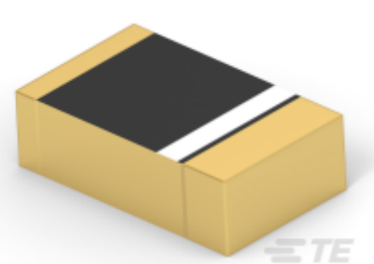
Compatible Parts



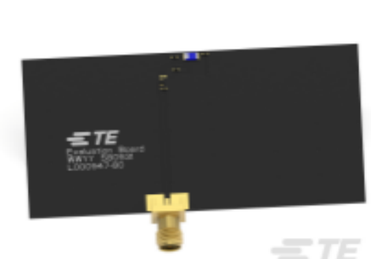
TE Part # L000948-80
Ant with EVB assy, 2.4+5GHz,Dual Wi-Fi



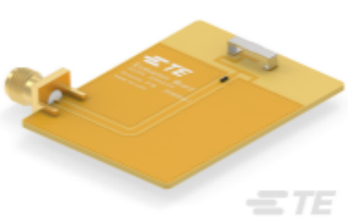
TE Part # L000947-01
Chip ANT,2.4+5GHz,Dual Wi-Fi,3.2x1.5mm



TE Part # L000949-01
Chip ANT,2.4+5GHz,Dual Wi-Fi, 6x10mm



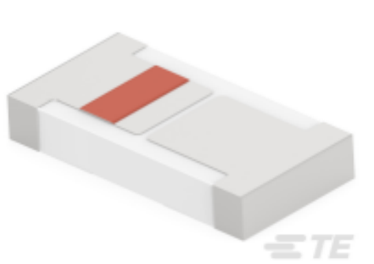
TE Part # L000947-80
Ant with EVB assy, 2.4+5GHz,Dual Wi-Fi



TE Part # 8-2108964-1
2108964-1 ANTENNA WITH EVB ASSY



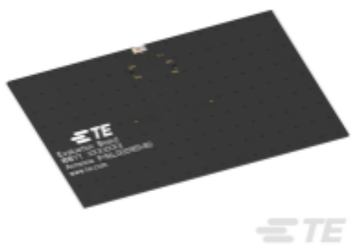
TE Part # L000948-01
Chip ANT,2.4+5GHz,Dual Wi-Fi,3.2x1.6mm



TE Part # L000951-01
Chip ANT, GPS+DUAL Wi-Fi, 3.2x1.6mm



TE Part # 2118712-2
1 PC STD SHIELD, CRS-44.37X44.37X9.75MM



TE Part # L000951-80
Chip Ant with EVB assy, GPS+DUAL Wi-Fi

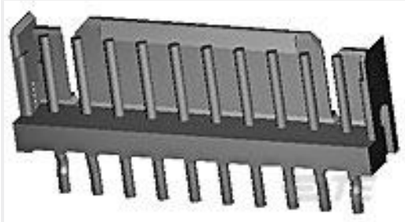


TE Part # L000949-80
Ant with EVB assy, 2.4+5GHz,Dual Wi-Fi



TE Part # 2118708-4
1 PC STD SHIELD, AL-26.21X26.21X5.08MM

Customers Also Bought



TE Part #292161-7
CT P/HDR ASSY V 7P W/KINK NAT



TE Part #3-338168-2
9POL HDP20 PLUGASSY



TE Part #3-640599-2
02P MTA156 CONN ASSY 18AWG ORA



TE Part #3-794618-2
02P MICRO MNL ASSY R/A HDR LF



TE Part #1473005-4
SEMI-HARD TRAY DDR2 SODIMM SOCKET 200P 5



TE Part #1761987-9
ReceptacleConnAssm38PosTape/Re



TE Part #2-1904058-5
Mini-K HV PCB



TE Part #2108991-1
Helical Antenna,PCB,SMT, For IoT



TE Part #1-2199119-5
M.2 0.5PITCH 3.2H KEY M 15U'' AU



TE Part #5646513-1
2MM HM,ASY,T-F,PIN,110 POS

Documents

Product Drawings

Stamped Antenna,SMD,Wi-Fi,2.4+5GHz

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2108964-1_A2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2108964-1_A2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2108964-1_A2.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

2400-2483.5 & 4900-5875 MHz Dual Band Antenna

English

Product Specifications

Product Specification

English