

2108964-1  ACTIVE

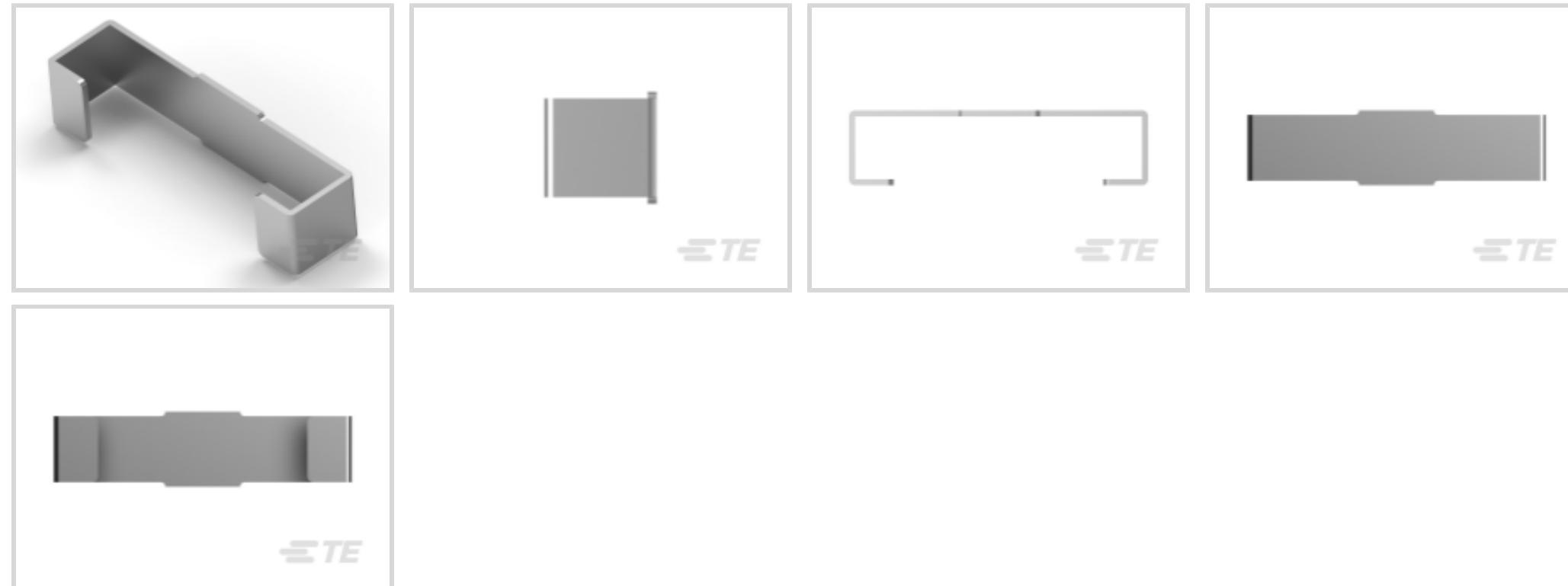
TE Internal #: 2108964-1

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

[View on TE.com >](#)



Antennas



Wireless Application: **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

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

Signal Characteristics

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

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

Wireless Application	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	No Restricted Materials Above Threshold
---	---

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240)
--	---

Candidate List Declared Against: JAN 2024 (240)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 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 # 2118708-4
1 PC STD SHIELD, AL-26.21X26.21X5.08MM



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



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

Customers Also Bought



TE Part # 2007399-5
SFP+assy 2x4 Gasket 4 Lp Sn



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



TE Part # 34113
SOLIS R 22-16COMM 22-18MIL 1/4



TE Part # 5555799-1
MJ, TE, 8P/8C, KEYED, TRAY PAC



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_jgs.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