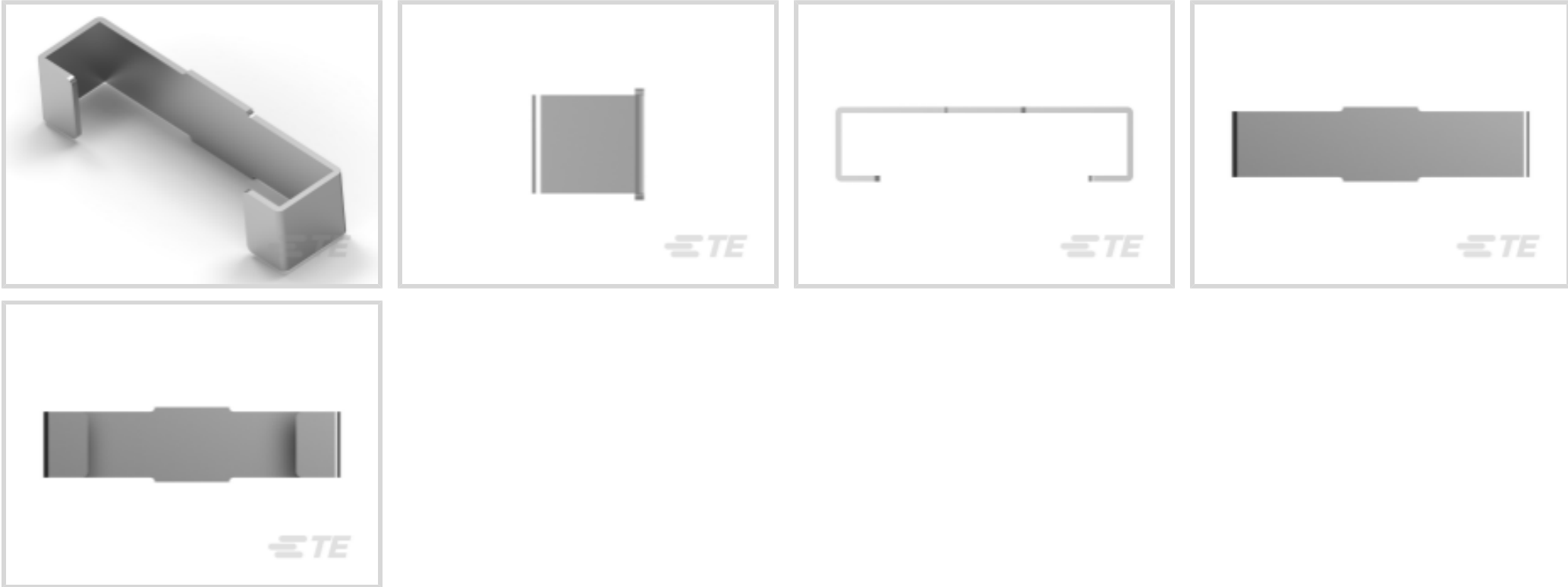




Antennas



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) |
|--|--|



| | |
|---------------------------|---|
| Halogen Content | Does not contain REACH SVHC |
| Solder Process Capability | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| | 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



TE Part # 2-2176340-5
CRGCQ 0603 10K 5%



TE Part # 8-2176091-2
RP 2A 0.25W 422R 0.1% 25PPM 1K RL



TE Part # 2108517-2
DUAL BAND WiFi ANTENNA,
STAMPED METAL,SMD

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