

1513156-1 ✓ ACTIVE



TE Internal #: 1513156-1

Antenna, ISM / ZigBee, Printed Circuit Board, Embedded, PCB,  
Product Length 1.5 in [38.1 mm], Width .26 in [6.6 mm], Height .062  
in [1.57 mm]

[View on TE.com >](#)

#### Antennas



Wireless Application: **ISM, ZigBee**

Mounts To: **Printed Circuit Board**

Antenna Style: **Embedded**

Antenna Type: **PCB**

Product Length: **38.1 mm [ 1.5 in ]**

### Features

#### Configuration Features

|                 |             |
|-----------------|-------------|
| Band Type       | Single Band |
| Number of Ports | 1           |
| Antenna Style   | Embedded    |
| Antenna Type    | PCB         |

#### Electrical Characteristics

|                   |             |
|-------------------|-------------|
| VSWR (Max)        | <2.5:1      |
| Impedance         | 50 $\Omega$ |
| Antenna Operation | Passive     |

#### Signal Characteristics

|                |               |
|----------------|---------------|
| Frequency Band | 902 – 928 MHz |
| Gain (Max)     | 1 dB          |

#### Body Features

|                |                |
|----------------|----------------|
| Product Weight | .9 g [.032 oz] |
|----------------|----------------|

#### Mechanical Attachment



|              |                       |
|--------------|-----------------------|
| Polarization | Linear                |
| Mounts To    | Printed Circuit Board |

### Dimensions

|                |                  |
|----------------|------------------|
| Product Length | 38.1 mm[1.5 in]  |
| Product Width  | 6.6 mm[.26 in]   |
| Product Height | 1.57 mm[.062 in] |

### Operation/Application

|                   |                     |
|-------------------|---------------------|
| Wireless Standard | 915 ISM & ZigBee US |
|-------------------|---------------------|

### Industry Standards

|                      |             |
|----------------------|-------------|
| Wireless Application | ISM, ZigBee |
|----------------------|-------------|

### Product Availability

|                   |    |
|-------------------|----|
| Applicable Region | EU |
|-------------------|----|

### Packaging Features

|                  |           |
|------------------|-----------|
| Packaging Method | Bag & Box |
|------------------|-----------|

### Other

|                 |          |
|-----------------|----------|
| Precision Level | Standard |
|-----------------|----------|

## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

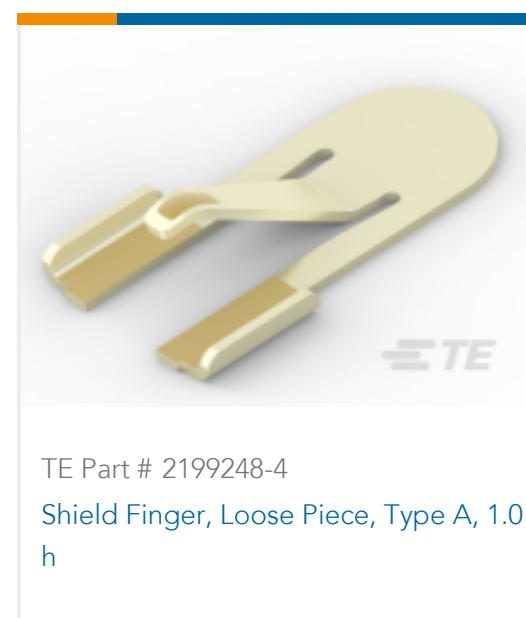
|   |  |
|---|--|
| EU RoHS Directive 2011/65/EU                  | Compliant  |
| EU ELV Directive 2000/53/EC                   | Compliant  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUL 2019 (201)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.   |
| 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



## Documents

### Product Drawings

PCB ANTENNA TAPE & REELED PACKED

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1513156-1\\_J.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1513156-1\\_J.3d\\_stp.zip](#)

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English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1513156-1\\_J.2d\\_dxf.zip](#)

English

**3D PDF**

3D

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

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**Datasheets & Catalog Pages**

[PCB ANTENNA](#)

English