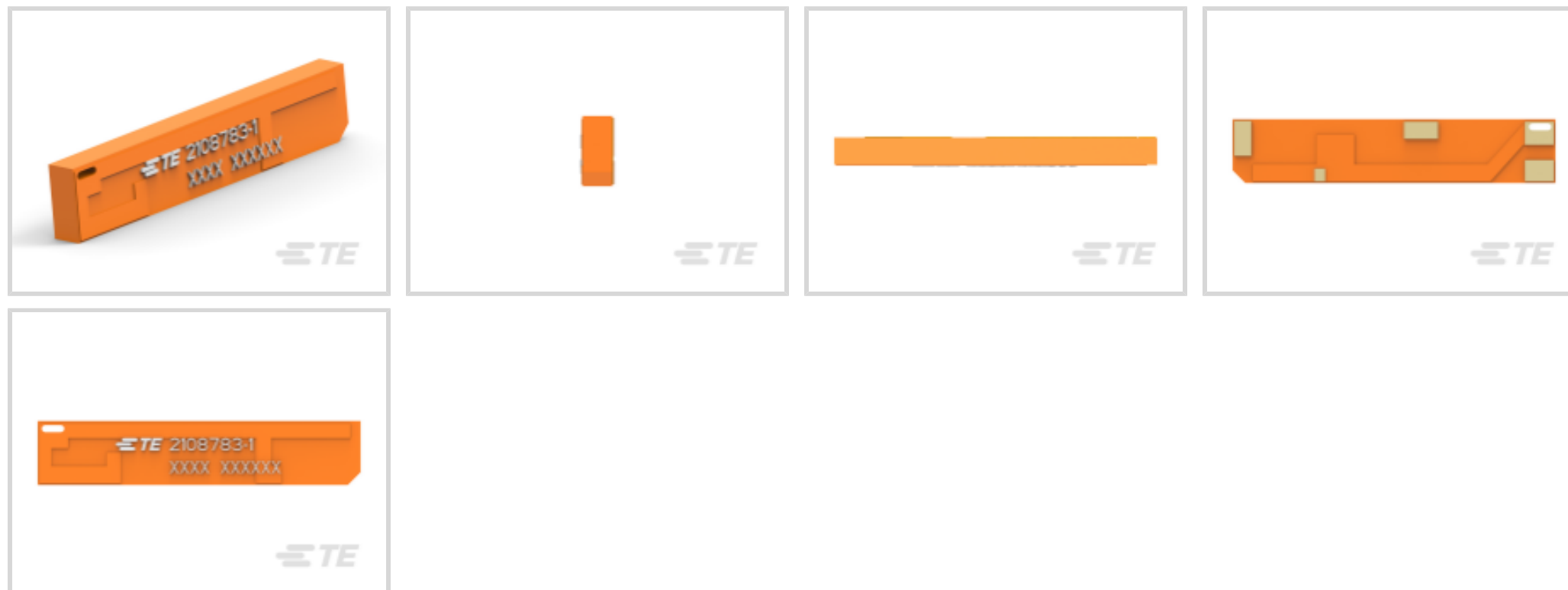




[View on TE.com >](#)

Antennas



Wireless Application: CDMA 1900, CDMA 850, GSM 1800, GSM 1900, GSM 800, GSM 850, GSM 900, LTE, LTE-HB 2600, LTE-LB 700

Mounts To: **Printed Circuit Board**

Mounting Retention Type: **Printed Circuit Board**

Antenna Connection Type: **Surface Mount (SMT)**

Application by Region: GSM - Americas - 1850 – 1990 MHz, GSM - Americas - 824 – 894 MHz, GSM - EU - 1710 – 1880 MHz, GSM - EU - 880 – 960 MHz, GSM Global, LTE All Band - 1710 – 2700 MHz, LTE All Band - 698 – 960 MHz

**Features**

**Product Type Features**

Antenna Connection Type	Surface Mount (SMT)
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**Configuration Features**

Band Type	Wideband
Antenna Protocol	LTE World Band
Number of Ports	1
Antenna Style	Embedded
Antenna Type	PCB

**Electrical Characteristics**

VSWR (Max)	<2:1
Impedance	50 Ω

**Signal Characteristics**

Frequency Band	1420 – 1610 MHz, 1710 – 2690 MHz, 3300 – 3800 MHz, 698 – 862 MHz
Gain (Max)	2 dB, 2.5 dB, 3.2 dB, 4.9 dB



### Body Features

Product Weight	1.5 g[.052 oz]
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### Mechanical Attachment

Region	Global
Polarization	Linear
Mounts To	Printed Circuit Board
Mounting Retention Type	Printed Circuit Board

### Dimensions

Product Length	38 mm[1.535 in]
Product Width	7.5 mm[.295 in]
Product Height	3.175 mm[.125 in]

### Usage Conditions

Application by Region	GSM - Americas - 1850 – 1990 MHz, GSM - Americas - 824 – 894 MHz, GSM - EU - 1710 – 1880 MHz, GSM - EU - 880 – 960 MHz, GSM Global, LTE All Band - 1710 – 2700 MHz, LTE All Band - 698 – 960 MHz
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### Operation/Application

Wireless Standard	LTE, UMTS, US Dual, EU Triband & WCDMA
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### Industry Standards

Wireless Application	CDMA 1900, CDMA 850, GSM 1800, GSM 1900, GSM 800, GSM 850, GSM 900, LTE, LTE-HB 2600, LTE-LB 700
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### Packaging Features

Packaging Method	Bag & Box
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### Other

Precision Level	Standard
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### 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: JUN 2020 (209)

Candidate List Declared Against: JUN 2020 (209)

Does not contain REACH SVHC

Halogen Content

Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free

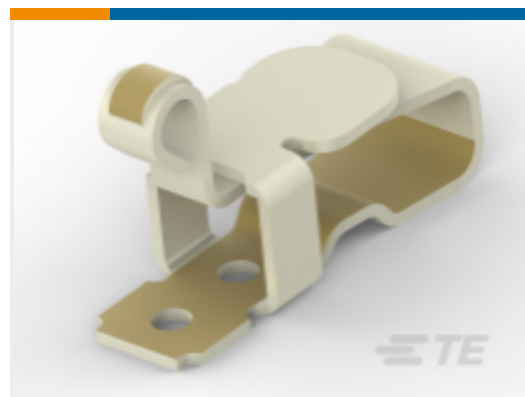
Solder Process Capability

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 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 Model / Part # CAT-SP82102-C7671  
SPRING FINGERS



TE Model / Part # 2336713-2  
SPRING FINGER 1.45H

### Customers Also Bought



TE Model / Part #1766600-2  
INSULATION BOOT,#2,RED



TE Model / Part #5054234003  
Dual Wall DWP-125 Stick HS Tubing



TE Model / Part #1062-16-0177  
DEUTSCH STAMPED & FORMED CONTACTS



TE Model / Part #T4151410004-002  
M12 A-CODE FEMALE R/A SINGLE ENDED CABL



## Documents

### Product Drawings

PCB ANTENNA, SMD, 617-3800MHz

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2108783-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2108783-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2108783-1\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

PCB ANTENNA, SMD, 617-3800MHz

English

### Product Specifications

Product Specification

English

### Product Environmental Compliance

Product Compliance



English

**Product Compliance**

English