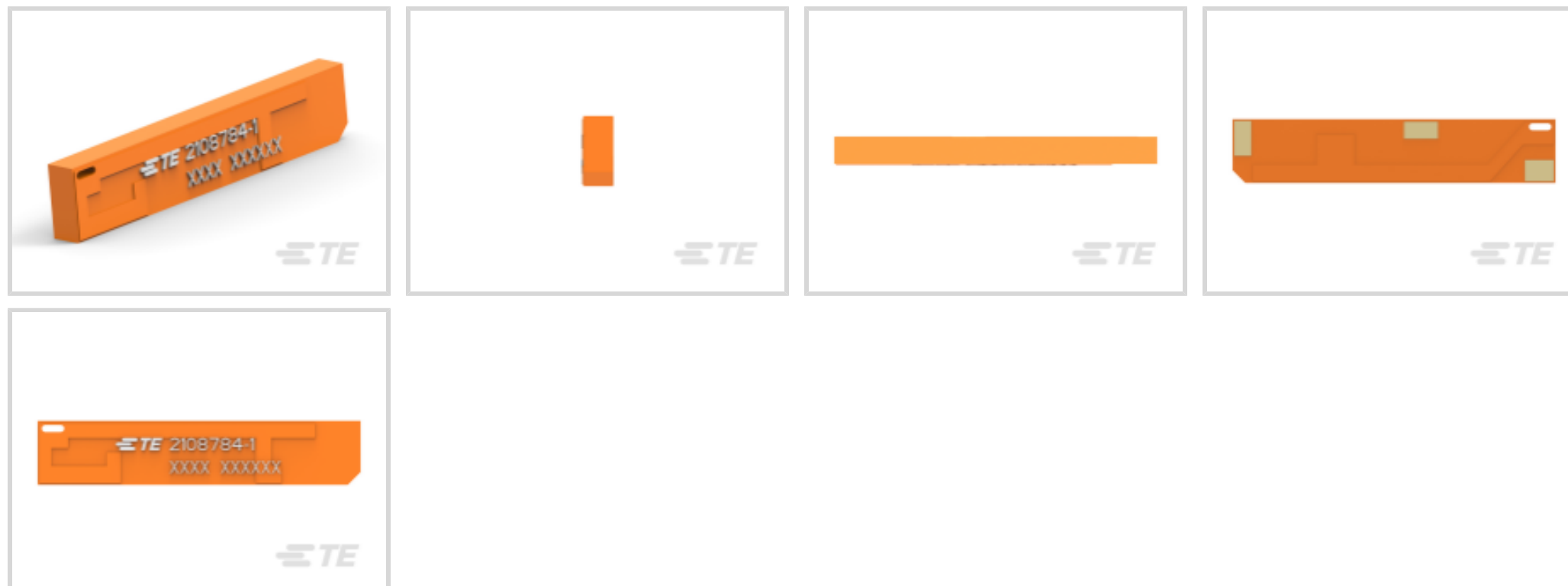




[View on TE.com >](#)

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)
-------------------------	---------------------

**Configuration Features**

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

**Electrical Characteristics**

VSWR (Max)	<3:1
Impedance	50 Ω

**Signal Characteristics**

Frequency Band	1575 – 1614 MHz, 1710 – 2690 MHz, 3300 – 3800 MHz, 4900 – 6000 MHz, 698 – 960 MHz
Gain (Max)	.98 dB, 1.93 dB, 2.3 dB, 3 dB, 4 dB



### Body Features

Product Weight	1.5 g[.052 oz]
----------------	----------------

### Mechanical Attachment

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

### Dimensions

Product Length	38 mm[1.49 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
-----------------------	--

### Operation/Application

Wireless Standard	LTE, UMTS, US Dual, EU Triband & WCDMA
-------------------	--

### 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
----------------------	--

### 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: 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

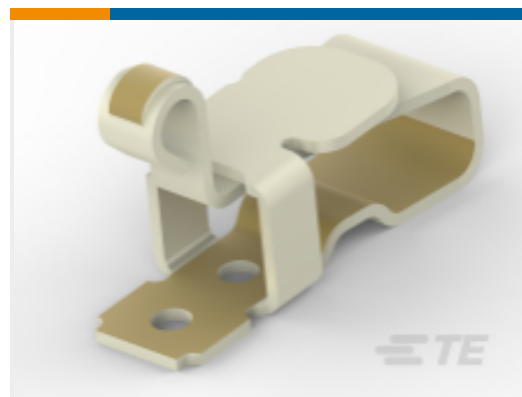
Solder Process Capability

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



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



TE Model / Part #1-1803017-1  
CRIMPER, INSULATION F



TE Model / Part #2500003-1  
SRC Pwr 36+12ACEG Female Recp  
Hsg Assy



TE Model / Part #5054014010  
RNF-100-1/16-8-SP



TE Model / Part #926472-1  
UNIV.M-N.L.CAP S.C.



TE Model / Part #2836322-2  
OCEAN-2.0-APPLICATOR-S-042F062F



TE Model / Part #CAR3SC00  
CAR RECPT DIN9680 3way



TE Model / Part #CAR3SC00WS  
CAR RECPT DIN9680 3way, w/o  
contacts

## Documents

### Product Drawings

[PCB ANTENNA, SMD, 698-6000MHz](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2108784-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2108784-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2108784-1\\_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, 698-6000MHz](#)

English

### Product Specifications

[Product Specification](#)

English

### Product Environmental Compliance

[Product Compliance](#)



English

**Product Compliance**

English