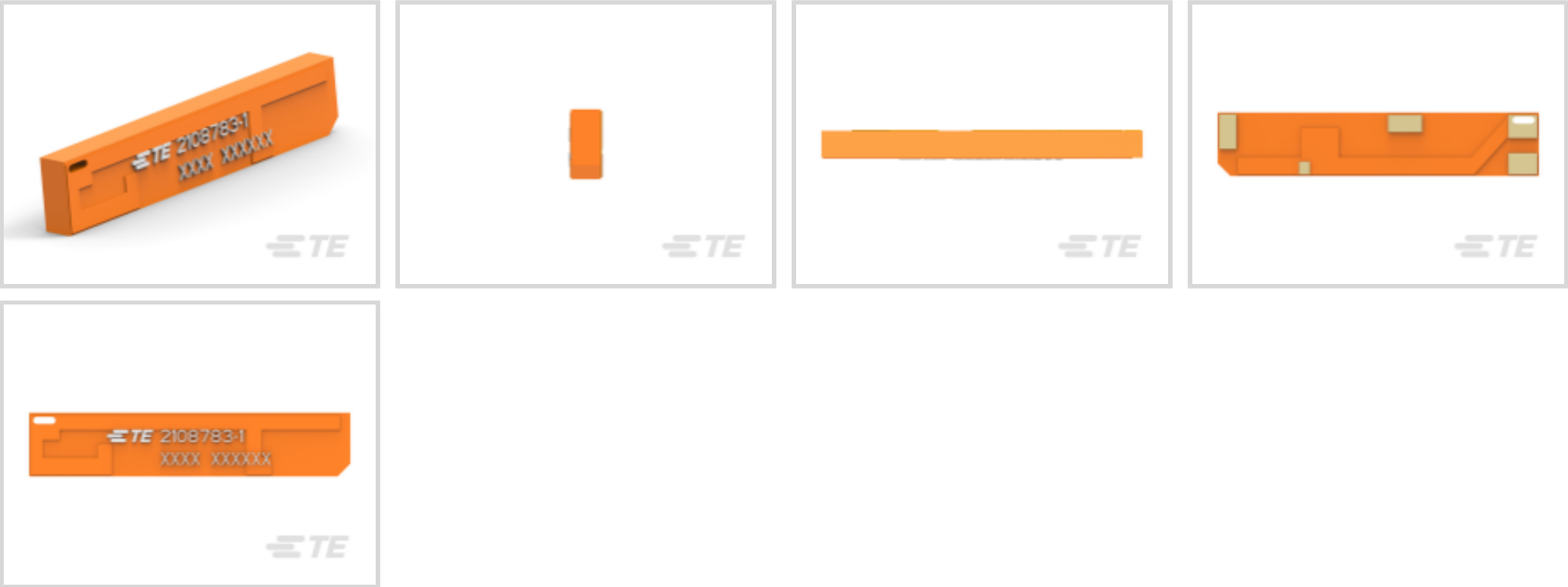




Antennas



Wireless Application: 5G, Bluetooth, Cat-M/NB-IoT, Cellular, ISM, LoRaWAN, LPWA, Wi-Fi

Mounting Location: Internal/Embedded

Mounting Type: Surface Mount

Antenna Type: Chip

Directionality: Omnidirectional

Features

Configuration Features

Antenna Style	PCB
Mounting Location	Internal/Embedded
Antenna Type	Chip
Band Type	Multi Band
Port Configuration	Single Port

Electrical Characteristics

VSWR (Max)	<2:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	2 dB, 2.5 dB, 3.2 dB, 4.9 dB
Frequency Band	617 – 920 MHz, 1427 – 1608 MHz, 1710 – 2900 MHz, 3300 – 3800 MHz, 3300 – 3800 MHz
Nominal Frequency Range	617 – 3800
Peak Gain	3 < 6 dBi



Body Features

Product Weight	1.5 g[.052 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Surface Mount

Dimensions

Product Width	7.5 mm[.295 in]
Product Length	38 mm[1.535 in]
Product Height	3.18 mm[.125 in]

Operation/Application

Wireless Standard	LTE, UMTS, US Dual, EU Triband & WCDMA
Directionality	Omnidirectional

Industry Standards

Wireless Application	5G, Bluetooth, Cat-M/NB-IoT, Cellular, ISM, LoRaWAN, LPWA, Wi-Fi
Primary Application	5G, Cat-M/NB-IoT, Cellular

Product Availability

Applicable Region	Global
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Packaging Features

Packaging Method	Tape & Reel
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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: JUNE 2023 (235) Candidate List Declared Against: JAN 2022 (223) 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

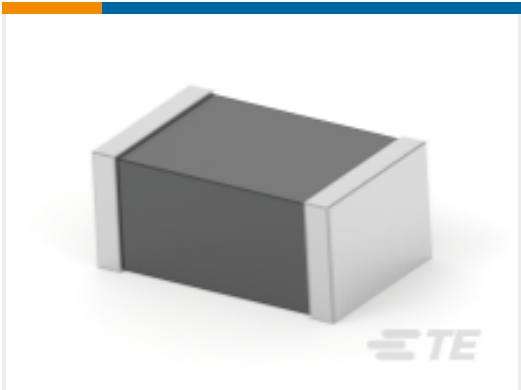
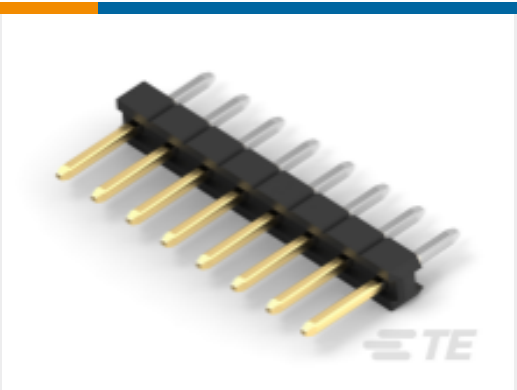
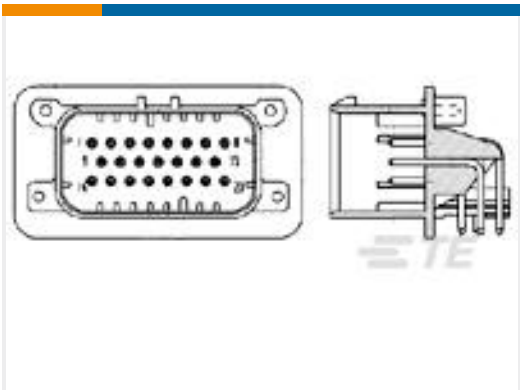
Product Compliance Disclaimer

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 Part # 2199248-4 Shield Finger, Loose Piece, Type A, 1.0 h	 TE Part # 1447009-5 SHIELD FINGER 0820 TYPE	 TE Part # 2336713-2 SPRING FINGER 1.45H	 TE Part # L000682-01 PCB ANT, SMD, SCSP A-2a, 617-5000MHz
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Customers Also Bought

 TE Part #5-1462037-9 IM43GR=IM RELAY 100mW 5V BIS	 TE Part #2176486-2 BMC 0805 120R 25% A Gen C	 TE Part #160336-2 RING TONGUE IS 12-10 0.295 X .650 TPBR	 TE Part #1-2355045-0 10P,2MM,BRK HDR,SRVT,2.8,0.1AU,TB
 TE Part #776087-4 23POS,PIN DIA 1.3,HDR ASSY,90DEG, COD 4	 TE Part #2108783-1 PCB ANTENNA, SMD, 617-3800MHz	 TE Part #2108824-1 Chip ant., SMD, L1+G1	



Documents

Product Drawings

PCB ANTENNA, SMD, 617-3800MHz

English

CAD Files

Customer View Model

ENG_CVM_CVM_2108783-2_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2108783-2_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2108783-2_A1.3d_igs.zip

English

3D PDF

3D

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