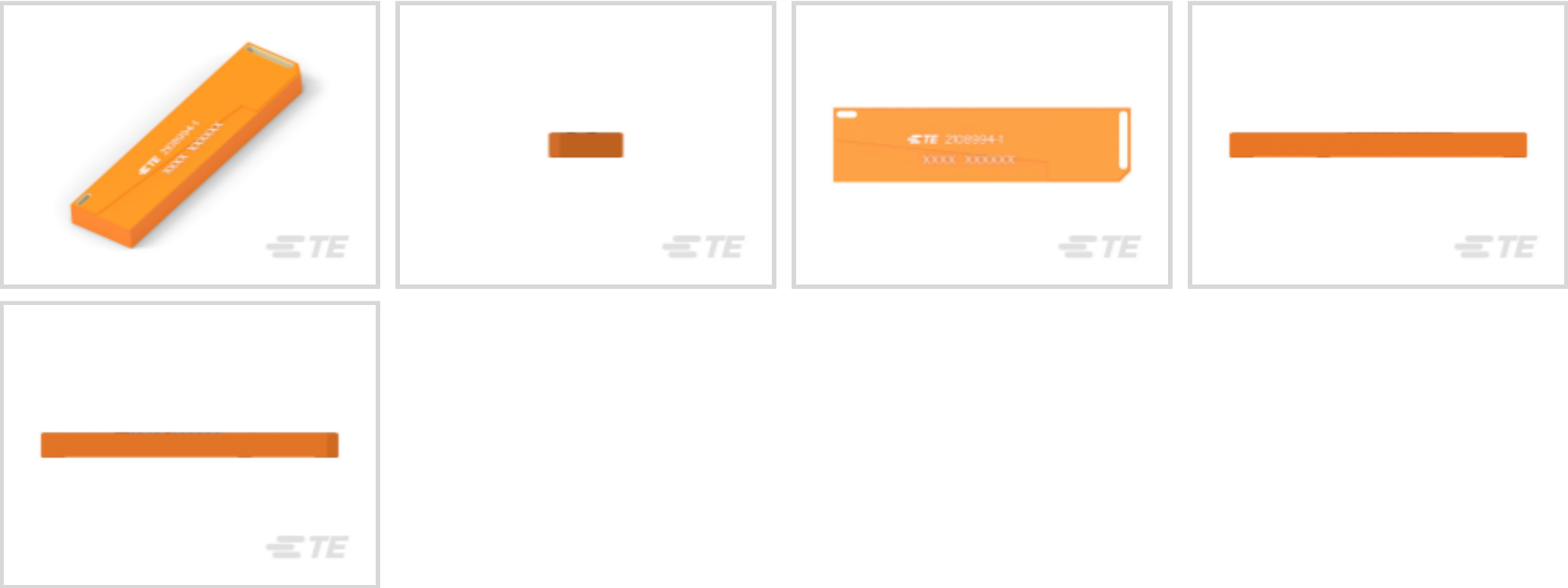




Antennas



Wireless Application: CDMA 1900, CDMA 850, GSM 1800, GSM 1900, 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

Impedance	50 Ω
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Signal Characteristics

Frequency Band	1710 – 2690 MHz, 698 – 960 MHz
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Mechanical Attachment

Mounts To	Printed Circuit Board
Mounting Retention Type	Printed Circuit Board



Dimensions

Product Length	40 mm[1.575 in]
Product Width	10 mm[.394 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 850, GSM 900, LTE, LTE-HB 2600, LTE-LB 700
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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>

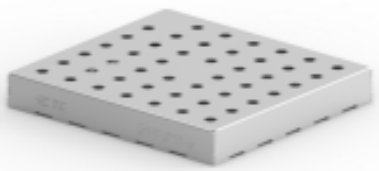
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JUL 2019 (201) Does not 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 2118711-2
1 PC STD SHIELD, CRS-36.83X33.68X5.08MM



TE Model / Part # 2118707-4
1 PC STD SHIELD, AL-16.50X16.50X3.60MM

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



Documents

Product Drawings

4G LTE Antenna (PCB Type), T&R PKG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2108994-1_A2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2108994-1_A2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2108994-1_A2.3d_stp.zip

English

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

Datasheets & Catalog Pages

Datasheet 2108994-1

English

Product Specifications

Product Specification

English