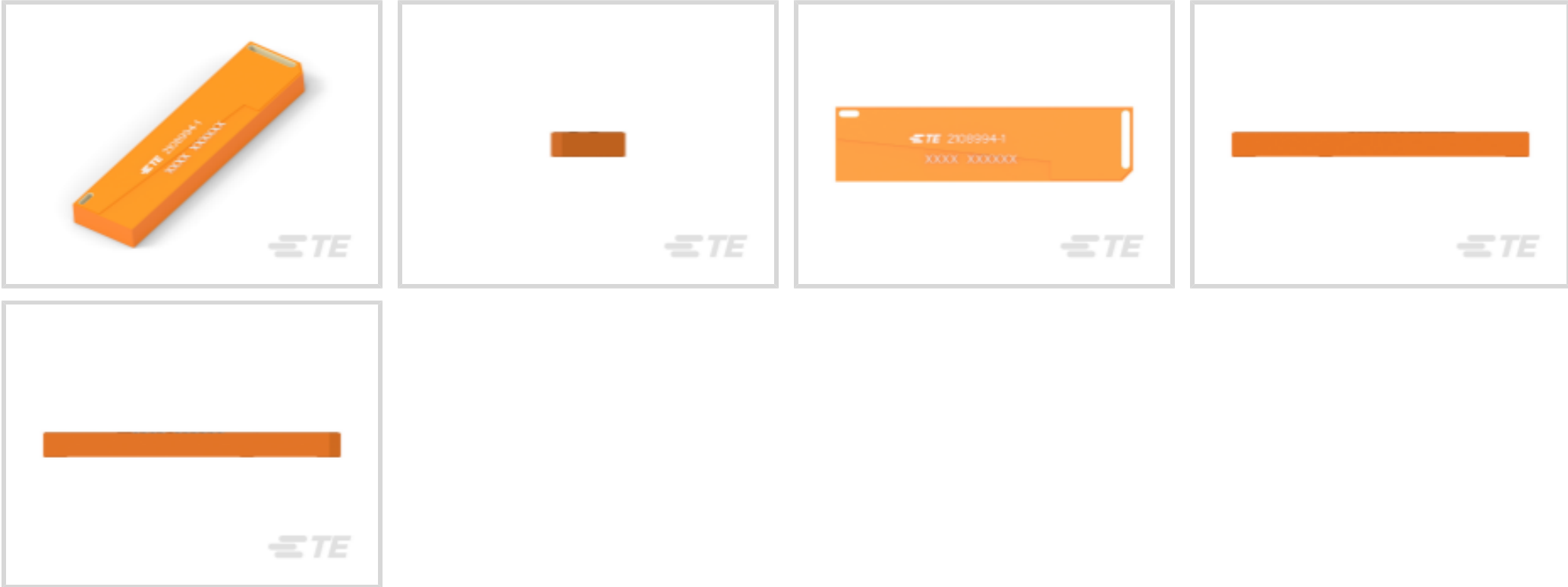




TE Internal #: 2108994-1
Chip Antenna, Multi Band, Cat-M/NB-IoT / Cellular, Internal
/Embedded Mount, Surface Mount, Omnidirectional, Single Port,
Gain 3 < 6 dBi
[View on TE.com >](#)

Antennas



Antenna Type: **Chip**
Band Type: **Multi Band**
Primary Application: **Cat-M/NB-IoT, Cellular**
Wireless Application: **Cat-M/NB-IoT, Bluetooth, Wi-Fi, Cellular**
Mounting Location: **Internal/Embedded**

Features

Body Features

Product Weight	.7 g[.0246 oz]
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Dimensions

Product Width	10 mm[.394 in]
Product Length	40 mm[1.575 in]
Product Height	3.18 mm[.125 in]

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<3:1

Packaging Features

Packaging Method	Tape & Reel
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Other

Precision Level	Standard
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant



Signal Characteristics

Frequency Band	1710 – 2690 MHz, 698 – 960 MHz
Gain (Max)	2 dB
Frequency Category	698 – 2700
Peak Gain	3 < 6 dBi

Operation/Application

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

Mechanical Attachment

Polarization	Linear
Mounting Type	Surface Mount

Configuration Features

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

Industry Standards

Primary Application	Cat-M/NB-IoT, Cellular
Wireless Application	Cat-M/NB-IoT, Bluetooth, Wi-Fi, Cellular

Product Type Features

Antenna Product Type	Antenna
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC




Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # L000657-01
SPLATCH 5G/LTE GLOBAL
WIDEBAND CHIP ANT



TE Part # 8-2108994-1
2108994-1 ANTENNA WITH EVB ASSY




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




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


Customers Also Bought




TE Part #T4110402021-000
M12,FEMALE,STRAIGHT,B CODE,2P,
PG9,GOLD




TE Part #T4132412021-000
M12,FRONT MOUNT,MALE,B,2P,
SOLDER WIRE



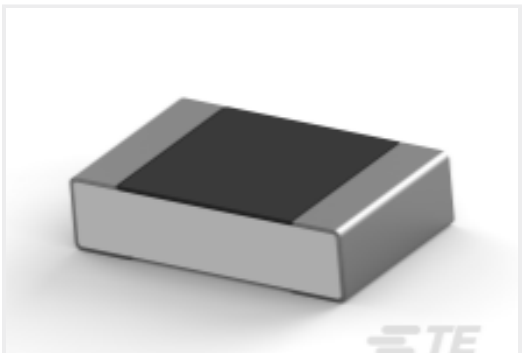
TE Part #6-1415029-1
PB114005




TE Part #5-1415535-1
PE034024




TE Part #CON SMA002-SMD-G-T
SMA Jack 50 Ohm PCB Surface Mount



TE Part #8-2176380-3
RQ 0805 8K25 0.1% 10PPM 5K RL



TE Part #2-1676914-2
YR1 0.1% 3K83



TE Part #1624360-2
NTC0805 5% 3K0



Documents

Product Drawings

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

English

CAD Files

Customer View Model

ENG_CVM_CVM_2108994-1_A2.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2108994-1_A2.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2108994-1_A2.2d_dxf.zip

English

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

Datasheets & Catalog Pages

4G LTE Antenna(PCB Type)

English

Product Specifications

Product Specification

English