

TE Internal #: 2108784-1
Antenna, 5G / Cellular / LTE, Printed Circuit Board, Surface Mount,
Embedded, PCB, Product Length 1.49 in [38 mm], Width .295 in [7.5 mm]
[View on TE.com >](#)



Antennas



Wireless Application: 5G, Cellular, LTE
Mounts To: Printed Circuit Board
Mounting Type: Surface Mount
Antenna Style: Embedded
Antenna Type: PCB

Features

Configuration Features

Band Type	Wideband
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]
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Mechanical Attachment

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Polarization	Linear
Mounts To	Printed Circuit Board
Mounting Type	Surface Mount

Dimensions

Product Length	38 mm[1.49 in]
Product Width	7.5 mm[.295 in]
Product Height	3.18 mm[.125 in]

Operation/Application

Coverage Type	Omnidirectional
Wireless Standard	Cellular

Industry Standards

Wireless Application	5G, Cellular, LTE
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Product Availability

Applicable Region	Global
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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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (3% in Component part)
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

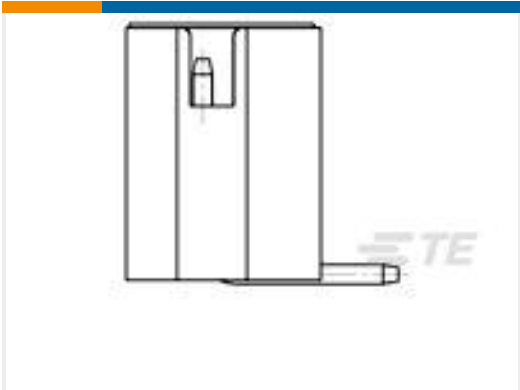
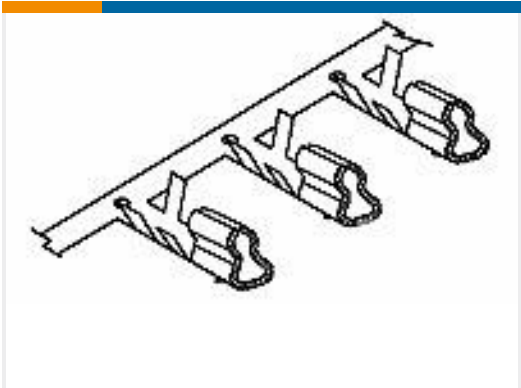
Product Compliance Disclaimer

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 # 8-2108784-1 2108784-1 ANTENNA WITH EVB ASSY
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Customers Also Bought

 TE Part #1775470-3 HPI CONN., 2.0MM, V/T, SMT, 3P, 80U"	 TE Part #353908-4 CT REC HSG 4P CRIMP TYPE WHITE	 TE Part #440133-4 2.5MM,HSG,4POS	 TE Part #172520-4 LOW PRO MINI AMP-IN HDR 4P
 TE Part #172782-5 LOW PROFILE MINI AMP-IN	 TE Part #1470223-1 HPI 2.5mm EMIX Terminal	 TE Part #4-1437624-3 PKE60B1/4=KNOB PLASTIC BLK FLU	 TE Part #1623732-7 BCHE 7 W 150R 5%

Documents

Product Drawings
PCB ANTENNA, SMD, 698-6000MHz



English

CAD Files

Customer View Model

ENG_CVM_CVM_2108784-1_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2108784-1_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2108784-1_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, 698-6000MHz

English

Product Specifications

Product Specification

English