



Antennas



Wireless Application: CDMA 1900, CDMA 850, GSM, GSM 1800, GSM 900, ISM, LTE, UMTS, ZigBee

Mounts To: Printed Circuit Board

Antenna Connection Type: Tab Mount (Through Hole)

Application by Region: CDMA - Americas - 1850 – 1990 MHz, CDMA - Americas - 824 – 894 MHz, GSM - Americas - 1850 – 1990 MHz, GSM - Americas - 824 – 894 MHz, GSM - EU - 1710 – 1880 MHz, GSM - EU - 880 – 960 MHz, ISM - 698 – 960 MHz, ISM - EU - 868 – 870 MHz, LTE - Americas - 824 – 894 MHz, LTE - EU - 1710 – 1880 MHz, LTE - EU - 880 – 960 MHz, LTE - Global - 1920 – 2170 MHz, LTE All Band - 2300 – 2700 MHz, LTE All Band - 698 – 960 MHz, UMT - Global - 1920 – 2170 MHz, ZigBee - EU - 868 – 870 MHz

Antenna Style: Embedded

Features

Product Type Features

Antenna Connection Type	Tab Mount (Through Hole)
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Configuration Features

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

Electrical Characteristics

VSWR (Max)	<3:1
Impedance	50 Ω
Active Antenna	No

Signal Characteristics

Frequency Band	1710 – 1880 MHz, 1850 – 1990 MHz, 1920 –
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	2170 MHz, 2300 – 2700 MHz, 698 – 960 MHz, 824 – 894 MHz, 868 – 870 MHz, 880 – 960 MHz
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Gain (Max)	3.5 dB
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Body Features

Product Weight	2.55 g[.09 oz]
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Mechanical Attachment

Region	Americas, EU, Global
Polarization	Linear
Mounts To	Printed Circuit Board

Dimensions

Product Length	74 mm[2.913 in]
Product Width	10.56 mm[.416 in]
Product Height	1.57 mm[.062 in]

Usage Conditions

Application by Region	CDMA - Americas - 1850 – 1990 MHz, CDMA - Americas - 824 – 894 MHz, GSM - Americas - 1850 – 1990 MHz, GSM - Americas - 824 – 894 MHz, GSM - EU - 1710 – 1880 MHz, GSM - EU - 880 – 960 MHz, ISM - 698 – 960 MHz, ISM - EU - 868 – 870 MHz, LTE - Americas - 824 – 894 MHz, LTE - EU - 1710 – 1880 MHz, LTE - EU - 880 – 960 MHz, LTE - Global - 1920 – 2170 MHz, LTE All Band - 2300 – 2700 MHz, LTE All Band - 698 – 960 MHz, UMT - Global - 1920 – 2170 MHz, ZigBee - EU - 868 – 870 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, GSM 1800, GSM 900, ISM, LTE, UMTS, ZigBee
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Packaging Features

Packaging Method	Bag/Box
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Other

Precision Level	Standard
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Product Compliance

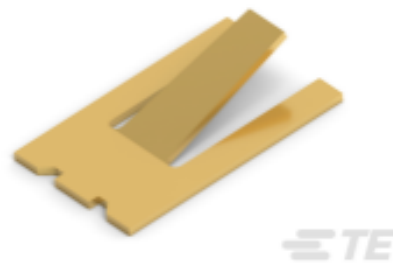
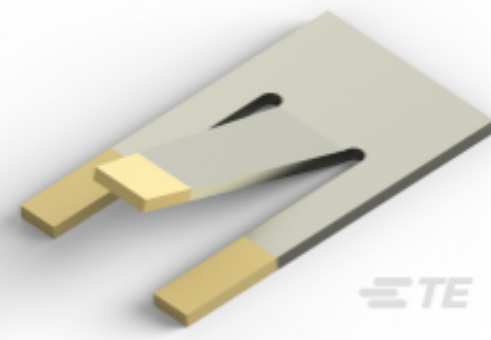
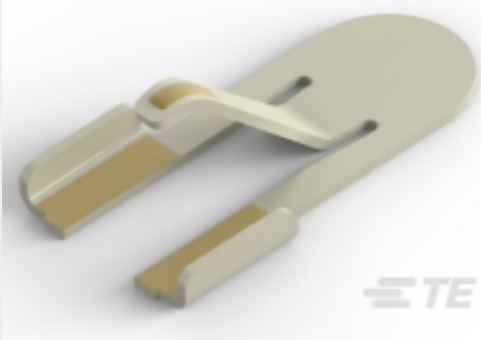
For compliance documentation, visit the product page on TE.com>

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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	Hand solderable with lead free solder

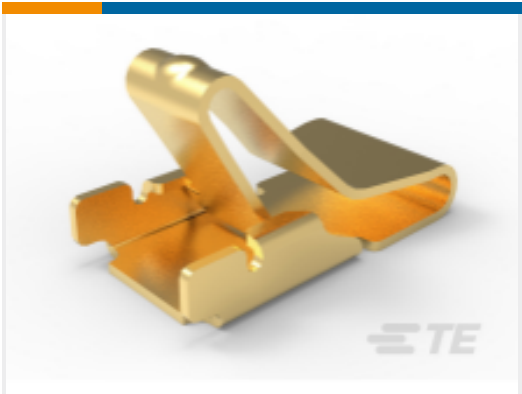
Product Compliance Disclaimer

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 # 2040852-1 SHIELD FINGER 0820 N-B WITH SE	 TE Part # 2199248-4 Shield Finger, Loose Piece, Type A, 1.0h	 TE Part # 1447009-5 SHIELD FINGER 0820 TYPE	 TE Part # 2199248-5 SHIELD FINGER, LOOSE PIECE, TYPE A, 1.3H
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TE Part # 2306334-3
SPRING FINGER 1.2H



TE Part # 2306454-3
SPRING FINGER 2.3H



TE Part # 2306654-3
SPRING FINGER 1.8H

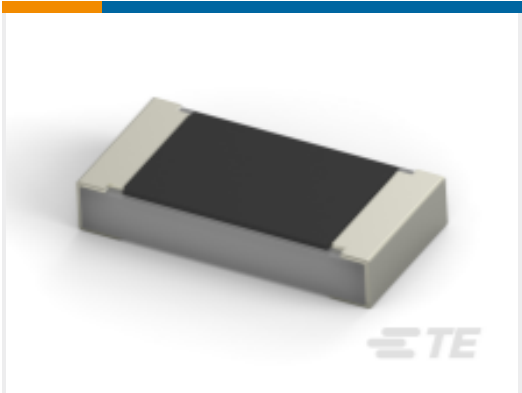


TE Part # 2336713-2
SPRING FINGER 1.45H

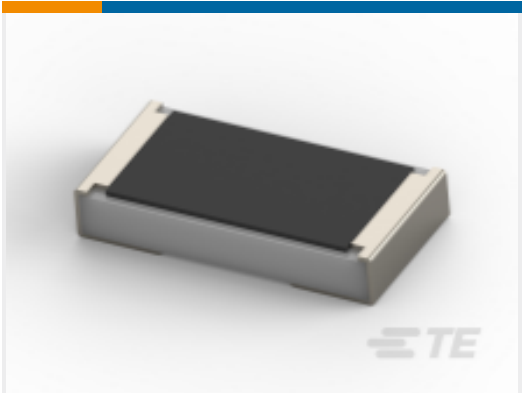


TE Part # 2199001-1
SHIELD FINGER 1210 EMBOSS
PACKING

Customers Also Bought



TE Part #1-2176230-5
SMD Power Resistor: 3 Watt, 5% Tol



TE Part #1-2176230-3
SMD Power Resistor: 3 Watt, 1% Tol



TE Part #1624117-3
BMB-L 0805 60R



TE Part #826646-2
AMPMODU II R/A HEADER



TE Part #1-1879061-5
CPF 0402 33R 0.1% 25PPM 5K RL



TE Part #1-776280-1
AMPSEAL HEADERS



TE Part #1565749-1
SIGNAL HEADER



TE Part #1513273-1
PCB Antenna DUAL BAND US EU



TE Part #1513317-1
PCB ANTENNA PENTA BAND



TE Part #104666-4
50 SYSTEM 50 HDR DRST SHRD

Documents



Product Drawings

4G World Band, MetaSpan, Tab Mt. PCB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2118310-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2118310-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2118310-1_C.3d_stp.zip

English

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

Datasheets & Catalog Pages

Antenna Data Sheet 698-960, 1710-2170 & 2300-2700 MHz LTE/Cell Band Antenna

English

Product Environmental Compliance

MD_2118310-1_06292018026_dmtec

English

MD_2118310-1_06292018026_dmtec

English