

TE Internal #: 1513259-9
Antenna, CDMA 1900 / GSM 900 / LTE, Printed Circuit Board,
Embedded, PCB, Product Length 1.48 in [37.59 mm], Width .47 in
[11.94 mm]
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Antennas



Wireless Application: CDMA 1900, Cellular, GSM, GSM 1800, GSM 900, LTE
Mounts To: Printed Circuit Board
Antenna Style: Embedded
Antenna Type: PCB
Product Length: 37.59 mm [1.48 in]

Features

Configuration Features

Band Type	Quad Band
Number of Ports	1
Antenna Style	Embedded
Antenna Type	PCB

Electrical Characteristics

VSWR (Max)	<3:1
Impedance	50 Ω
Antenna Operation	Passive

Signal Characteristics

Frequency Band	1710 – 1990 MHz, 824 – 960 MHz
Gain (Max)	1 dB

Body Features

Product Weight	1.6 g[.0564 oz]
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Mechanical Attachment

Polarization	Linear
Mounts To	Printed Circuit Board

Dimensions

Product Length	37.59 mm[1.48 in]
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Product Width	11.94 mm[.47 in]
Product Height	1.57 mm[.062 in]

Operation/Application

Coverage Type	Omnidirectional
Wireless Standard	US Dual & EU Dual Band

Industry Standards

Wireless Application	CDMA 1900, Cellular, GSM, GSM 1800, GSM 900, LTE
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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 2022 (224) Candidate List Declared Against: JUN 2020 (209) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 245°C

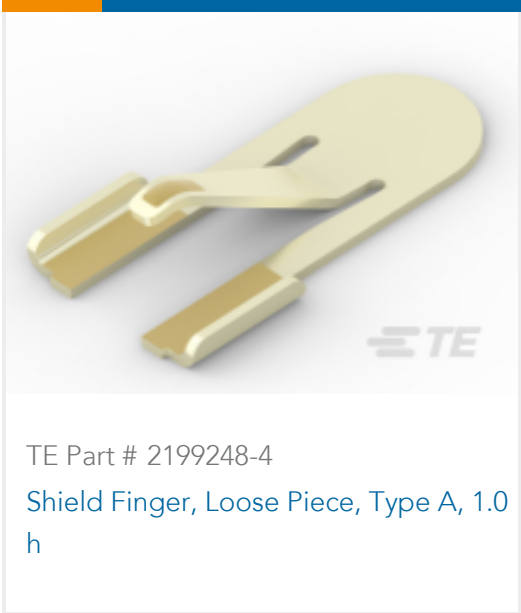
Product Compliance Disclaimer

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

Documents

Product Drawings

WORLD GSM PCB ANTENNA TAPE AND REELED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1513259-9_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1513259-9_G.3d_igs.zip

English

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Customer View Model

[ENG_CVM_CVM_1513259-9_G.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[PCB ANTENNA](#)

English