



TE Internal #: 1513259-1  
 Antenna, ZigBee / CDMA 850 / LTE, Printed Circuit Board,  
 Embedded, PCB, Product Length 1.48 in [37.59 mm], Width .47 in  
 [11.94 mm]

[View on TE.com >](#)

Antennas



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

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 – 1880 MHz, 1850 – 1990 MHz, 824 – 894 MHz, 868 – 870 MHz, 880 – 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]
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Product Height	1.57 mm[.062 in]
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### Operation/Application

Coverage Type	Omnidirectional
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Wireless Standard	US Dual & EU Dual Band
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### Industry Standards

Wireless Application	CDMA 1900, CDMA 850, Cellular, GSM, GSM 1800, GSM 900, ISM, LTE, ZigBee
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### Product Availability

Applicable Region	Americas, EU
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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
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Hand solderable with lead free solder
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#### 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



## Documents

### Product Drawings

WORLD GSM PCB ANTENNA BULK PACKAGED

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1513259-1\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1513259-1\\_G.3d\\_igs.zip](#)

English

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### Customer View Model

[ENG\\_CVM\\_CVM\\_1513259-1\\_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