



Antennas



Wireless Application: CDMA 850, GSM 800, GSM 850, GSM 900, ISM, LTE-LB 700

Mounts To: Printed Circuit Board

Mounting Retention Type: Printed Circuit Board

Antenna Connection Type: Surface Mount (SMT)

Application by Region: GSM - Americas - 824 – 894 MHz, GSM - EU - 880 – 960 MHz, GSM Americas - 824 – 894 MHz, ISM - 698 – 960 MHz, ISM - EU - 868 – 870 MHz, ISM - US - 902 – 928 MHz, LTE - Americas - 824 – 894 MHz, LTE - EU - 880 – 960 MHz, LTE All Band - 698 – 960 MHz, LTE EU Band - 790 – 960 MHz, ZigBee - EU - 868 – 870 MHz, ZigBee - US - 902 – 928 MHz

Features

Product Type Features

Antenna Connection Type	Surface Mount (SMT)
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Configuration Features

Number of Ports	1
Antenna Style	Embedded
Antenna Type	PCB

Electrical Characteristics

Impedance	50 Ω
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Signal Characteristics

Frequency Band	698 – 960 MHz
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Mechanical Attachment

Mounts To	Printed Circuit Board
Mounting Retention Type	Printed Circuit Board

Dimensions



Product Length	18 mm[.71 in]
Product Width	9 mm[.035 in]
Product Height	1.57 mm[.062 in]

Usage Conditions

Application by Region	GSM - Americas - 824 – 894 MHz, GSM - EU - 880 – 960 MHz, GSM Americas - 824 – 894 MHz, ISM - 698 – 960 MHz, ISM - EU - 868 – 870 MHz, ISM - US - 902 – 928 MHz, LTE - Americas - 824 – 894 MHz, LTE - EU - 880 – 960 MHz, LTE All Band - 698 – 960 MHz, LTE EU Band - 790 – 960 MHz, ZigBee - EU - 868 – 870 MHz, ZigBee - US - 902 – 928 MHz
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Operation/Application

Wireless Standard	915 ISM & ZigBee US
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Industry Standards

Wireless Application	CDMA 850, GSM 800, GSM 850, GSM 900, ISM, LTE-LB 700
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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: JUN 2020 (209) Candidate List Declared Against: JUL 2019 (201) 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	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 Model / Part # CAT-SP82102-C7671
SPRING FINGERS



TE Model / Part # 2336713-2
SPRING FINGER 1.45H

Customers Also Bought



TE Model / Part #1766600-2
INSULATION BOOT,#2,RED



TE Model / Part #T4151410004-002
M12 A-CODE FEMALE R/A SINGLE ENDED CABL



TE Model / Part #1062-16-0177
DEUTSCH STAMPED & FORMED CONTACTS



TE Model / Part #1-1803017-1
CRIMPER, INSULATION F



TE Model / Part #2500003-1
SRC Pwr 36+12ACEG Female Recept Hsg Assy



TE Model / Part #5054014010
RNF-100-1/16-8-SP



TE Model / Part #926472-1
UNIV.M-N.L.CAP S.C.



TE Model / Part #2836322-2
OCEAN-2.0-APPLICATOR-S-042F062F



Documents

Product Drawings

Helical Antenna For IoT, T&R PKG

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2108991-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2108991-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2108991-1_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

Helical Antenna For IoT

English

Product Specifications

Product Specification

English