

TE Internal #: 2108991-1

Antenna, GSM 850 / GSM 800 / LTE-LB 700, Printed Circuit Board,

Printed Circuit Board, Surface Mount (SMT)

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#### 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)
Configuration Features	
Number of Ports	1
Antenna Style	Embedded
Antenna Type	PCB
Electrical Characteristics	
Impedance	50 Ω
Signal Characteristics	
Frequency Band	698 – 960 MHz
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
Operation/Application	
Wireless Standard	915 ISM & ZigBee US
Industry Standards	
Wireless Application	CDMA 850, GSM 800, GSM 850, GSM 900, ISM, LTE-LB 700
Packaging Features	
Packaging Method	Tape & Reel
Other	

# **Product Compliance**

Precision Level

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

Standard



#### 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**





# 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



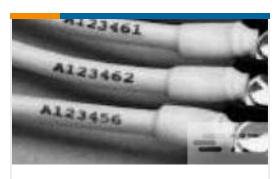
TE Model / Part #1062-16-0177
DEUTSCH STAMPED & FORMED
CONTACTS



CRIMPER, INSULATION F



TE Model / Part #2500003-1 SRC Pwr 36+12ACEG Female Recp 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

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