



Antennas



Wireless Application: **4G, GNSS, LTE**

Mounts To: **Printed Circuit Board**

Mounting Retention Type: **Mounting Hole**

Application by Region: **GNSS - Global - 1559 – 1606 MHz, LTE All Band - 1710 – 2700 MHz, LTE All Band - 698 – 960 MHz**

Antenna Style: **Embedded**

Features

Configuration Features

Band Type	7 Band
Antenna Protocol	GNSS, LTE World Band
Number of Ports	1
Antenna Style	Embedded
Antenna Type	PCB

Electrical Characteristics

VSWR (Max)	<2.5:1
Impedance	50 Ω
Active Antenna	No

Signal Characteristics

Frequency Band	1420 – 1610 MHz, 1710 – 2700 MHz, 698 – 960 MHz
Gain (Max)	2.3 dB

Body Features

Product Weight	11 g[.388 oz]
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Mechanical Attachment



Region	Global
Polarization	Linear
Mounts To	Printed Circuit Board
Mounting Retention Type	Mounting Hole

Dimensions

Product Length	50 mm[2.16 in]
Product Width	20 mm[.787 in]
Product Height	1.58 mm[.062 in]

Usage Conditions

Application by Region	GNSS - Global - 1559 – 1606 MHz, LTE All Band - 1710 – 2700 MHz, LTE All Band - 698 – 960 MHz
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Operation/Application

Wireless Standard	LTE, UMTS, US Dual, EU Triband & WCDMA
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Industry Standards

Wireless Application	4G, GNSS, LTE
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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: JUN 2020 (209) 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

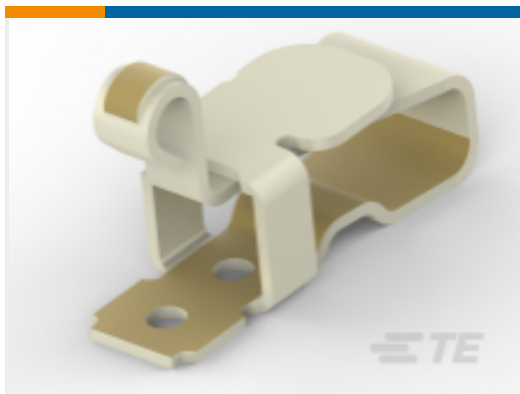
Solder Process Capability

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 Model / Part # CAT-SP82102-C7671
SPRING FINGERS



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

Customers Also Bought



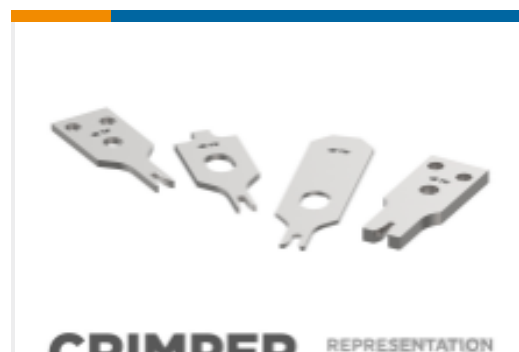
TE Model / Part #1766600-2
INSULATION BOOT,#2,RED



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



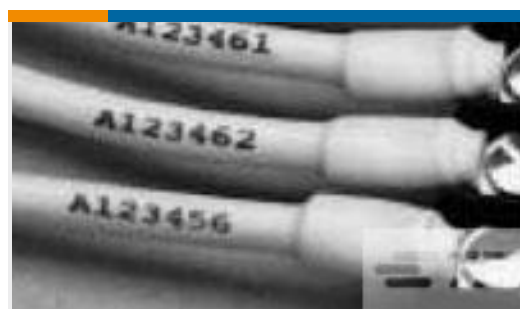
TE Model / Part #1062-16-0177
DEUTSCH STAMPED & FORMED CONTACTS



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

LTE + GNSS ANTENNA

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2195728-1_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2195728-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2195728-1_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

5G/4G/3G/2G, NB-IoT, Cat-M, GNSS WORLD BAND ANTENNA

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English