2118059-1 ✔ ACTIVE

TE Internal #: 2118059-1

Antenna, WLAN / Wi-Fi / WiMAX, Printed Circuit Board, Adhesive, Cable Assembly, MHF, Cable Length 350 mm [13.78 in]

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Antennas

Wireless Application: **Bluetooth, Wi-Fi, WiMAX, WLAN, ZigBee**

Mounts To: **Printed Circuit Board**

Mounting Retention Type: **Adhesive**

Antenna Connection Type: **Cable Assembly**

Antenna Connector Type: **MHF**

Features

Product Type Features

Antenna Connection Type	Cable Assembly
Antenna Connector Type	MHF

Configuration Features

Band Type	Single Band
Antenna Protocol	ISM / ZB / BT WIFI
Number of Ports	1
Antenna Style	Embedded
Antenna Type	Thin PCB

Electrical Characteristics

VSWR (Max)	<3:1
Impedance	50 Ω
Active Antenna	No

Signal Characteristics

Frequency Band	2300 – 3800 MHz, 2400 – 2483.5 MHz
Gain (Max)	4 dB

Body Features

Product Weight	3.3 g[.116 oz]

Mechanical Attachment

Region	Global by Band, Global

Polarization	Linear
Mounts To	Printed Circuit Board
Mounting Retention Type	Adhesive

Dimensions

Cable Length	350 mm[13.78 in]
Product Length	30.607 mm[1.205 in]
Product Width	36.85 mm[1.451 in]
Product Height	.304 mm[.012 in]

Usage Conditions

Application by Region	Bluetooth - Global - 2400 – 2483.5 MHz, Wi-Fi - Global - 2400 – 2483.5 MHz, WiMAX - Global by Band - 2300 – 3800 MHz, WLAN - Global - 2400 – 2483.5 MHz, ZigBee - Global - 2400 – 2483.5 MHz

Operation/Application

Wireless Standard	802.11 b/g, WiMAX, Bluetooth & ZigBee

Industry Standards

Wireless Application	Bluetooth, Wi-Fi, WiMAX, WLAN, ZigBee

Packaging Features

Packaging Method	Bag/Box

Other

Precision Level	Standard

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 2016 (169) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

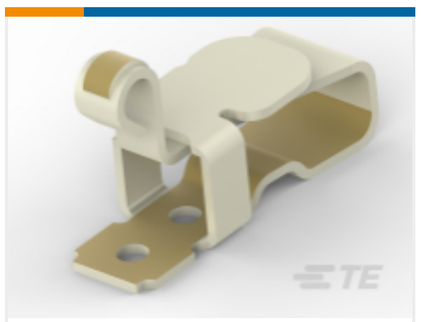
Solder Process Capability

Not applicable for solder process capability

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

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 #2-1623708-3
RGP0207CH 5% 130M

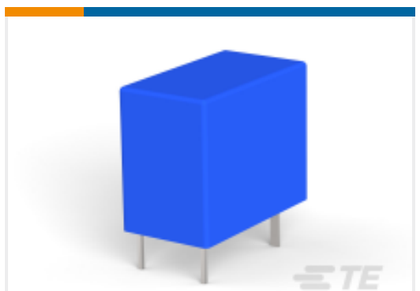
TE Model / Part #1676306-3
RN 0805 332R 0.1% 10PPM 5KRL

TE Model / Part #2118016-1
PCB ANTENNAS, WLAN DUAL BAND

TE Model / Part #2213188-4
Assembly, ICE Connector 1.6 PCB w cap

TE Model / Part #2118060-1
WLAN DUAL BAND Antenna Assembl

TE Model / Part #1-103957-4
5X4 MTE RCPT SR LATCH .100CL



TE Model / Part #1721261-5
OJE-SS-112LMH2

TE Model / Part #1513381-1
UAM - UWB antenna assembly

Documents

Product Drawings

WIMAX SINGLE BAND PCB Antenna

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2118059-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2118059-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2118059-1_D.3d_stp.zip

English

Datasheets & Catalog Pages

Thin PCB Antenna

English