



TE Internal #: L000697-01

Patch Antenna, Single Band, Wi-Fi, Internal/Embedded Mount, Surface Mount, SMD, Omnidirectional, Single Port, 3 < 6 dBi Peak Gain

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Antennas



Communication Protocol: **Wi-Fi**

Mounting Location: **Internal/Embedded**

Mounting Type: **Surface Mount**

Frequency Category: **2400 – 2500**

Antenna Type: **Patch**

Features

Product Type Features

Antenna Termination	SMD
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Patch
Mounting Location	Internal/Embedded
Antenna Type	Patch
Band Type	Single Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<2.7:1

Signal Characteristics

Frequency Band	2400 – 2500 MHz
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Gain (Max)	5 dB
Frequency Category	2400 – 2500
Peak Gain	3 < 6 dBi

Body Features

Antenna Weight	4 g[.141 oz]
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Mechanical Attachment

Polarization	Right
Mounting Type	Surface Mount

Dimensions

Product Width	12 mm[.472 in]
Product Length	12 mm[.472 in]
Product Height	4 mm[.157 in]

Operation/Application

Antenna Environment	Indoor
Wireless Standard	802.11 a/b/g/n, WiMAX, Bluetooth & ZigBee
Directionality	Omnidirectional

Industry Standards

Communication Protocol	Wi-Fi
Primary Application	Wi-Fi

Product Availability

Applicable Region	Global
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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	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted



	Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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 Part # L9000015-01
Antenna CER Patch 20mm Sq 2.45GHz Adh

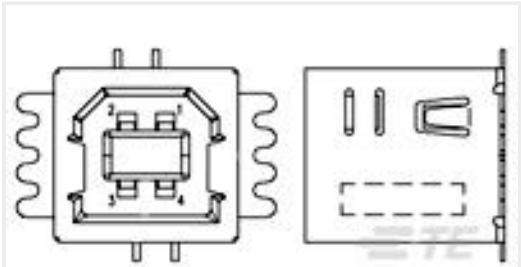


TE Part # L9000014-01
Antenna Chip T&R 2.45GHz SMT

Customers Also Bought



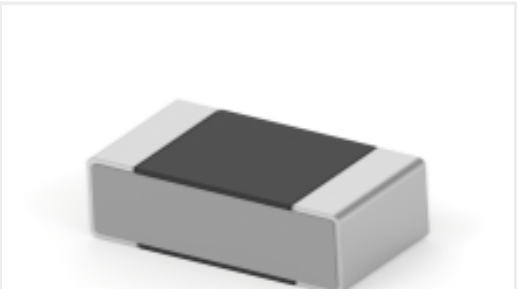
TE Part #CAT-C73765-M1C
M8 Panel Mount PCB



TE Part #1734517-1
STD USB TYPE B, VERTICAL, SMT, GRD FINGER

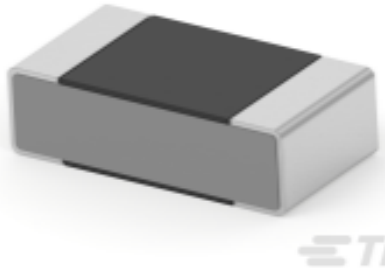


TE Part #1-1734580-1
MOD-Jack,RJ45, 10P10C, SHD LP, 6u" Au"

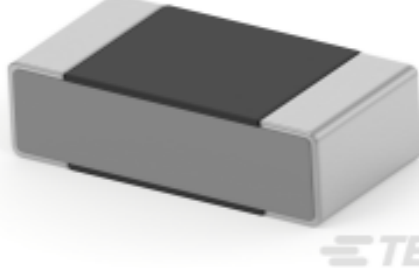


TE Part #6-1879207-4
RN 0603 453K 0.1% 10PPM 5K RL





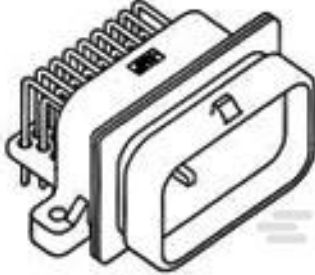
TE Part #2176254-5
CPF0603 453K 0.1% 25PPM 5K RL



TE Part #6-2176326-1
CRGP 0603 1M0 1%



TE Part #5414373-1
JACK,PCB,50 OHM,BNC



TE Part #6437288-3
SUPER SEAL 60POS CAP ASSY H AU

Documents

Product Drawings

Ceramic Patch ant, 2400-2500MHz, 12x12x4

English

CAD Files

Customer View Model

ENG_CVM_CVM_L000697-01_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_L000697-01_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_L000697-01_A.3d_igs.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

ISM 2.4 MHZ AND 5.9 MHZ PASSIVE CERAMIC PATCH ANTENNAS

English

Ceramic Patch ant, 2400-2500MHz, 12x12x4

English