



Antennas



Wireless Application: Bluetooth, Cat-M/NB-IoT, Cellular, ISM, LoRaWAN, LPWA, Wi-Fi

Mounting Location: Internal/Embedded

Mounting Type: Surface Mount

Antenna Type: Chip

Directionality: Omnidirectional

Features

Configuration Features

Antenna Style	PCB
Mounting Location	Internal/Embedded
Antenna Type	Chip
Band Type	Multi Band
Port Configuration	Single Port

Electrical Characteristics

Antenna Operation	Passive
VSWR (Max)	<3:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	223 dBi
Frequency Band	698 – 960 MHz, 1710 – 2170 MHz, 2300 – 2700 MHz
Nominal Frequency Range	698 – 2700
Peak Gain	> 6 dBi



Body Features

Product Weight	3 g[.106 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Surface Mount

Dimensions

Product Width	11.9 mm[.468 in]
Product Length	75 mm[2.952 in]
Product Height	1.64 mm[.064 in]

Operation/Application

Wireless Standard	LTE, UMTS, US Dual, EU Triband & WCDMA
Directionality	Omnidirectional

Industry Standards

Wireless Application	Bluetooth, Cat-M/NB-IoT, Cellular, ISM, LoRaWAN, LPWA, Wi-Fi
Primary Application	Cat-M/NB-IoT, Cellular, ISM

Product Availability

Applicable Region	Global
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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: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC

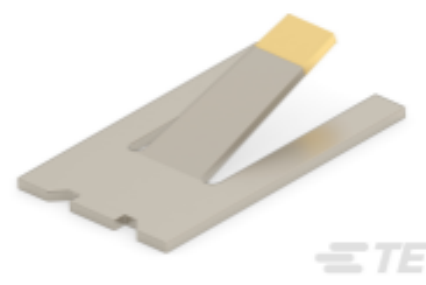
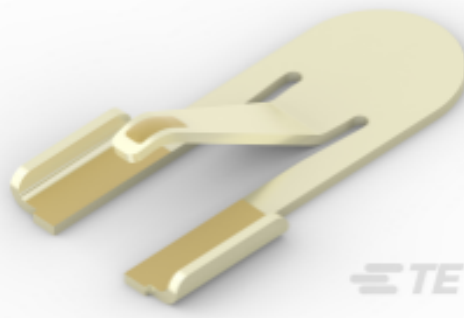
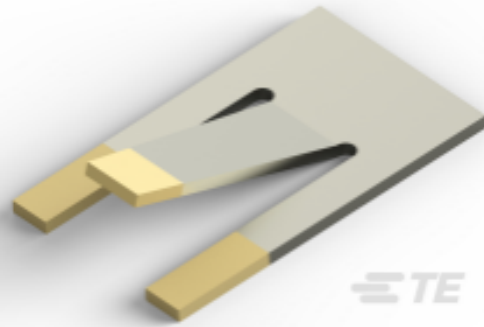
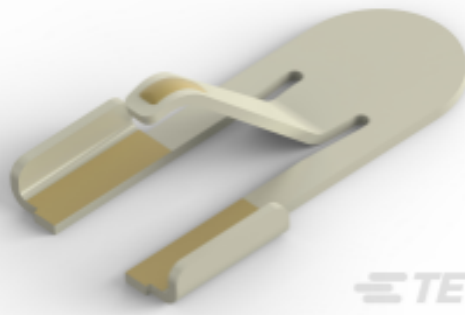
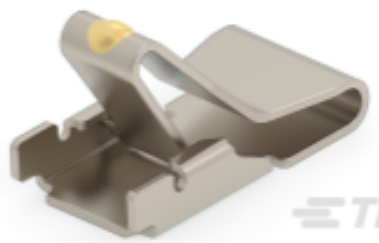

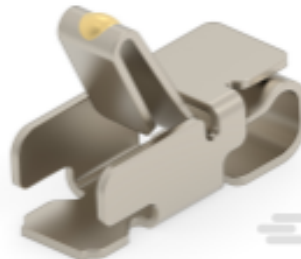
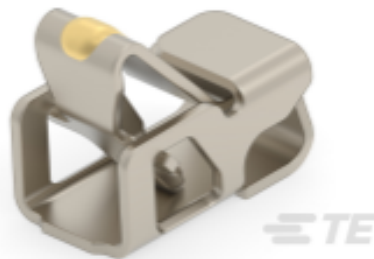
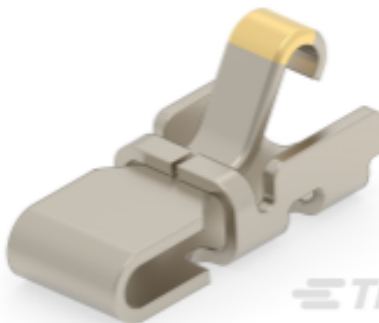



Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 245°C

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


 <p>TE Part # 2040852-1 SHIELD FINGER 0820 N-B WITH SE</p>	 <p>TE Part # 2199248-4 Shield Finger, Loose Piece, Type A, 1.0 h</p>	 <p>TE Part # 1447009-5 SHIELD FINGER 0820 TYPE</p>	 <p>TE Part # 2199248-5 SHIELD FINGER, LOOSE PIECE, TYPE A, 1.3H</p>
 <p>TE Part # 2306334-3 SPRING FINGER 1.2H</p>	 <p>TE Part # 2306454-3 SPRING FINGER 2.3H</p>	 <p>TE Part # 2306654-3 SPRING FINGER 1.8H</p>	 <p>TE Part # 2336713-2 SPRING FINGER 1.45H</p>
 <p>TE Part # 2199001-1 SHIELD FINGER 1210 EMBOSS PACKING</p>	 <p>TE Part # 8-2118903-1 2118903-1 ANTENNA WITH EVB ASSY</p>		

Customers Also Bought







TE Part #8-215083-6
MICRO-MATCH MOW.16P




TE Part #1-2834021-2
2POS 2.5MM TES CONN.




TE Part #2834084-1
2.50MM TOP ENTRY MSC 2P_GY




TE Part #3-2176325-7
CRGP 0402 10K 1%



TE Part #2273029-1
M12 x 1.0 straight socket pigt A



TE Part #CH02996001
QSZH-125-NR3-65MM



TE Part #2213837-1
ASSEM., 40MM LUMAWISE
ENDURANCE S

Documents

Product Drawings

LTE/Cell Band Antenna

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2118903-1_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2118903-1_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2118903-1_A1.3d_stp.zip

English

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

Datasheets & Catalog Pages

PCB Ant. SMD, WORLD BAND

English

Product Specifications

Product Specification

English