



Antennas



Wireless Application: Cellular, GNSS

Mounting Location: Internal/Embedded

Mounting Type: Through-Hole/Tab Mount

Antenna Type: PCB

Directionality: Omnidirectional

Features

Configuration Features

Antenna Style	PCB
Mounting Location	Internal/Embedded
Antenna Type	PCB
Band Type	Multi Band

Electrical Characteristics

Antenna Operation	Passive
VSWR (Max)	<2.5:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	2.3 dB
Frequency Band	698 – 960 MHz, 1427 – 1661 MHz, 1710 – 2700 MHz
Nominal Frequency Range	698 – 2700
Peak Gain	0 < 3 dBi

Body Features

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Product Weight	11 g[.388 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Through-Hole/Tab Mount

Dimensions

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

Operation/Application

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

Industry Standards

Wireless Application	Cellular, GNSS
Primary Application	Cellular

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC



Free



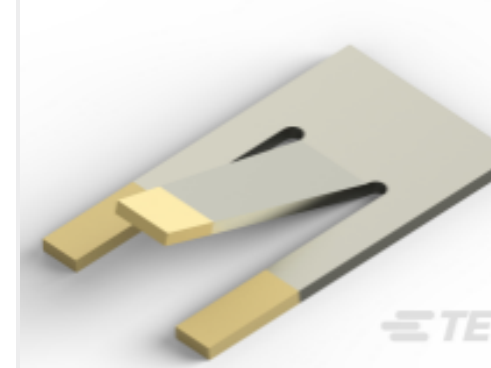
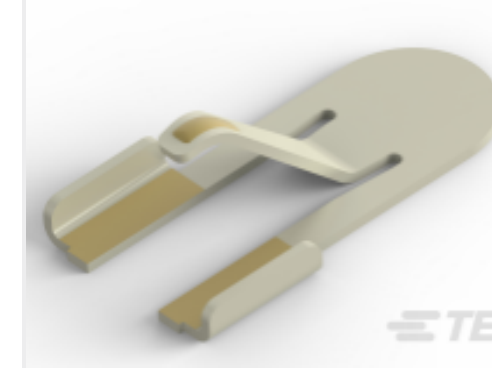





Solder Process Capability

Hand solderable with lead free solder

Product Compliance Disclaimer

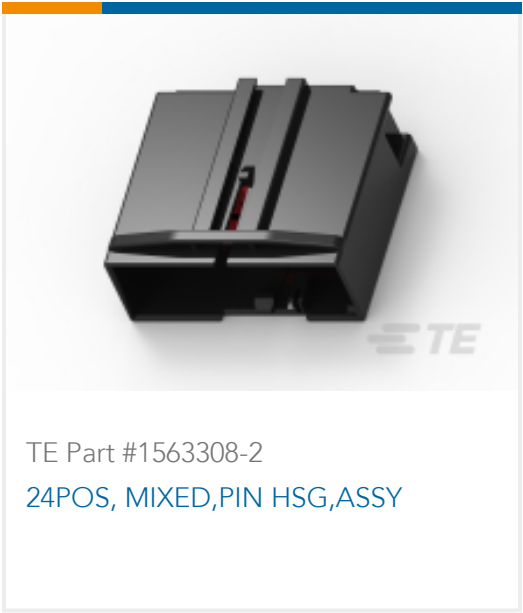
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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


 <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>			

Customers Also Bought







TE Part #1563308-2
24POS, MIXED,PIN HSG,ASSY




TE Part #E39668-000
B-155-13




TE Part #2-1658063-3
MSB0.80PL5ASY120FL,-,10,-TY




TE Part #1-1776544-2
12P .563" DR, 600V



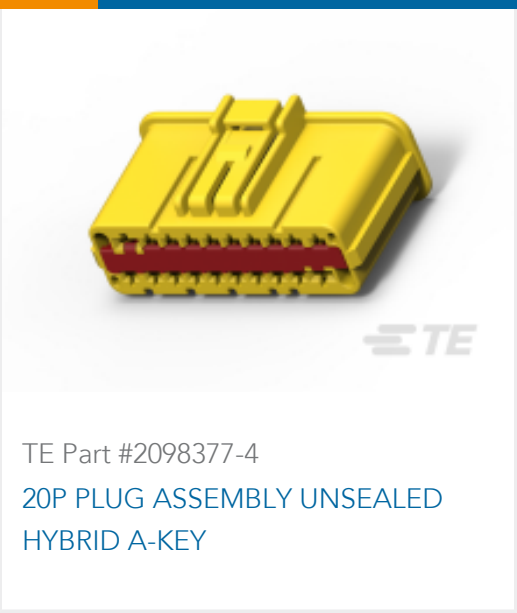
TE Part #1-2295321-6
RITS CONN. SOCKET ASSY 6P RED TIN



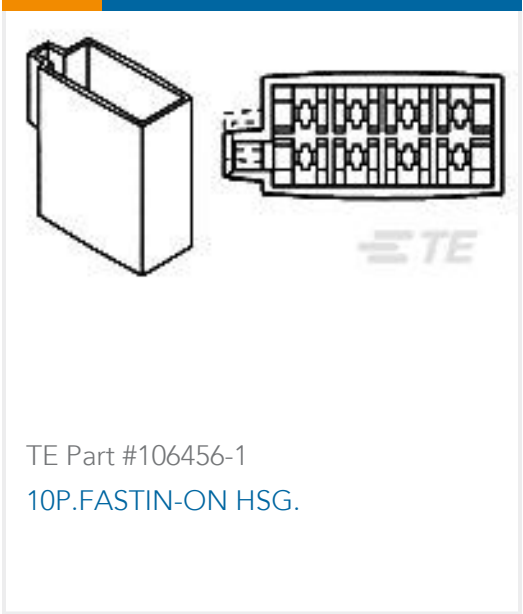
TE Part #1732175-2
2+5 Sealed Connector Ass'y




TE Part #5-1814832-2
SMA Str PCB Skt GZD



TE Part #2098377-4
20P PLUG ASSEMBLY UNSEALED HYBRID A-KEY



TE Part #106456-1
10P.FASTIN-ON HSG.



TE Part #1744560-5
Header Housing Assy, EP 2.5 RA, 5 Pos.

Documents

Product Drawings
LTE + GNSS ANTENNA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2195728-1_2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2195728-1_2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2195728-1_2.3d_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 Specifications

Product Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English