

2195728-1  ACTIVE

TE Internal #: 2195728-1

PCB Antenna, Multi Band, Cellular, Internal/Embedded Mount,
Through-Hole/Tab Mount, Omnidirectional, Gain $0 < 3$ dBi

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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

Product Weight	11 g [.388 oz]
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Mechanical Attachment

Polarization	Linear
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Mounting Type	Through-Hole/Tab Mount
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Dimensions

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

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

Wireless Application	Cellular, GNSS
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Primary Application	Cellular
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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
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235)
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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
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Free

Solder Process Capability

Hand solderable with lead free solder

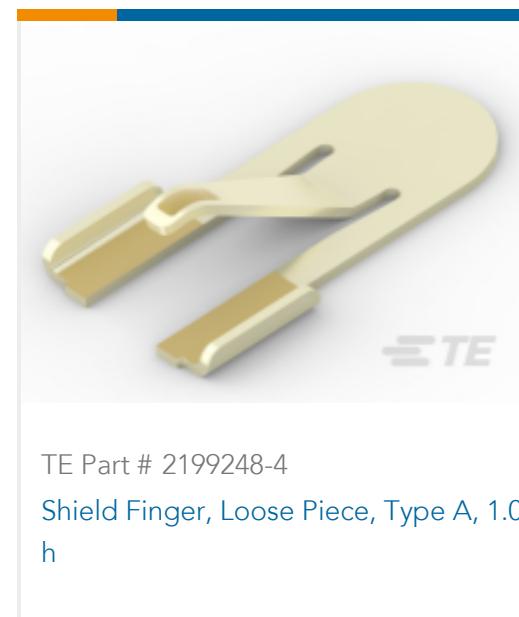
Product Compliance Disclaimer

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



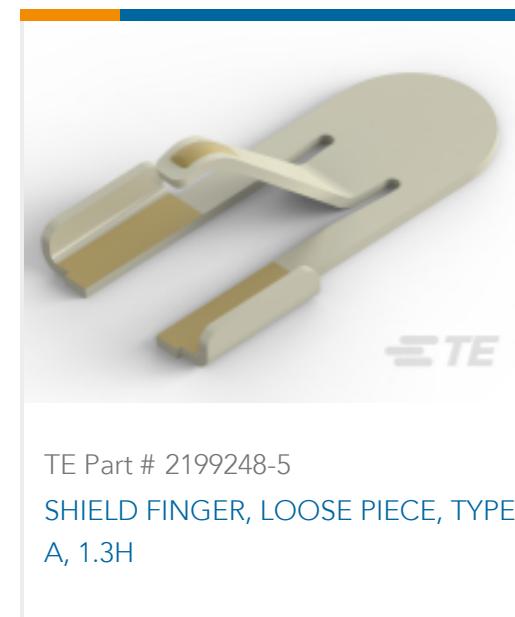
TE Part # 2040852-1
SHIELD FINGER 0820 N-B WITH SE



TE Part # 2199248-4
Shield Finger, Loose Piece, Type A, 1.0h



TE Part # 1447009-5
SHIELD FINGER 0820 TYPE



TE Part # 2199248-5
SHIELD FINGER, LOOSE PIECE, TYPE A, 1.3H



TE Part # 2306334-3
SPRING FINGER 1.2H



TE Part # 2306454-3
SPRING FINGER 2.3H



TE Part # 2306654-3
SPRING FINGER 1.8H

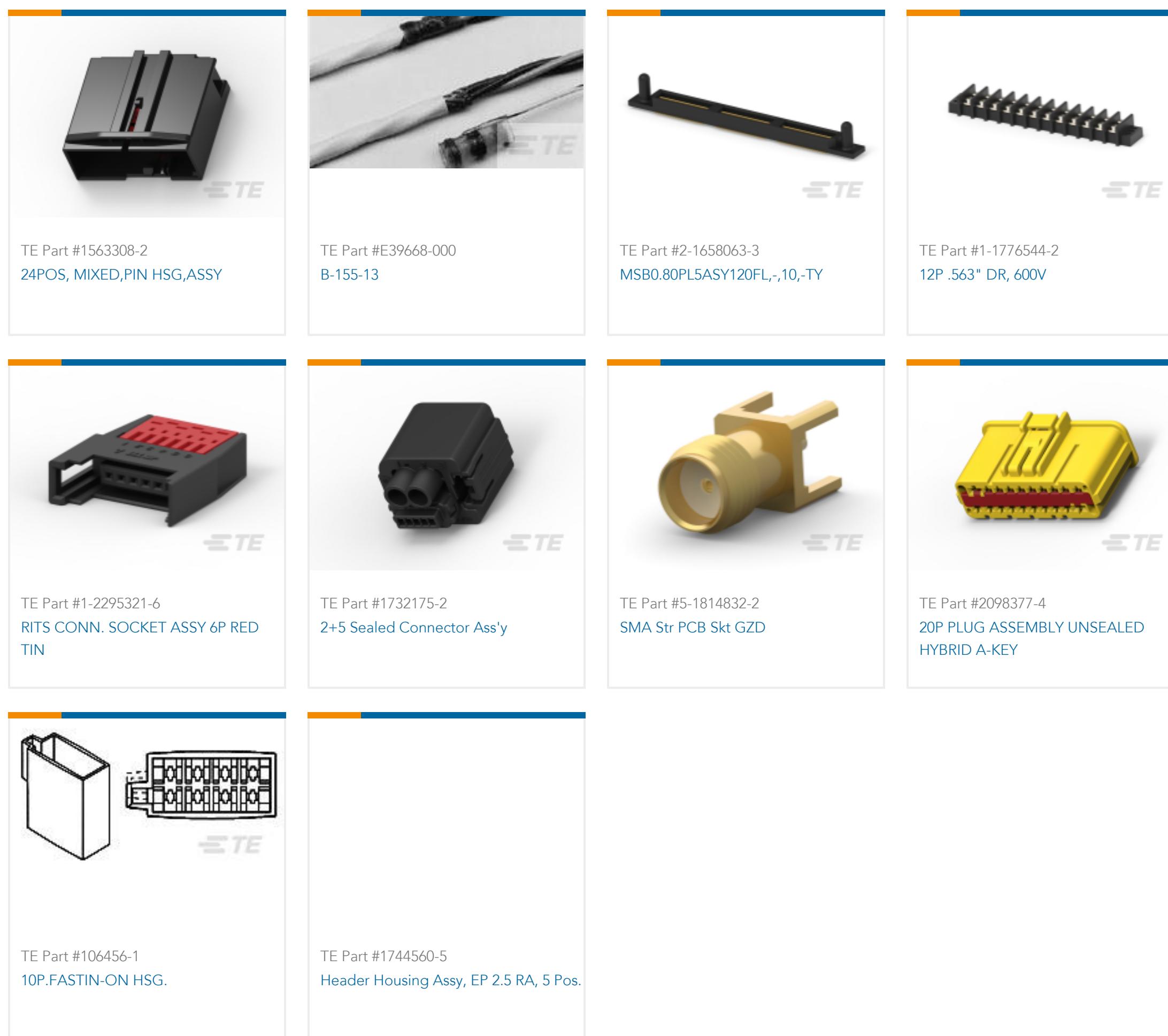


TE Part # 2336713-2
SPRING FINGER 1.45H



TE Part # 2199001-1
SHIELD FINGER 1210 EMBOSSED
PACKING

Customers Also Bought



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