



Antennas



Antenna Type: **Chip**

Band Type: **Multi Band**

Primary Application: **5G, Cat-M/NB-IoT, Cellular**

Wireless Application: **5G, Bluetooth, Cat-M/NB-IoT, Cellular, GNSS, LoRaWAN, LPWA, Wi-Fi**

Mounting Location: **Internal/Embedded**

Features

Product Type Features

Antenna Product Type	Antenna
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Configuration Features

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

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<3:1

Signal Characteristics

Frequency Band	4000 – 5000 MHz, 1710 – 2690 MHz, 1575 – 1614 MHz, 3300 – 4000 MHz, 698 – 960 MHz, 5000 – 6000 MHz
Gain (Max)	.98 dB, 1.93 dB, 2.3 dB, 3 dB, 4 dB



Frequency Category	698 – 6000
Peak Gain	3 < 6 dBi

Body Features

Product Weight	1.5 g[.052 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Surface Mount

Dimensions

Product Width	7.5 mm[.295 in]
Product Length	38 mm[1.49 in]
Product Height	3.18 mm[.125 in]

Operation/Application

Wireless Standard	Cellular
Directionality	Omnidirectional

Industry Standards

Primary Application	5G, Cat-M/NB-IoT, Cellular
Wireless Application	5G, Bluetooth, Cat-M/NB-IoT, Cellular, GNSS, LoRaWAN, LPWA, Wi-Fi

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 2025 (247)



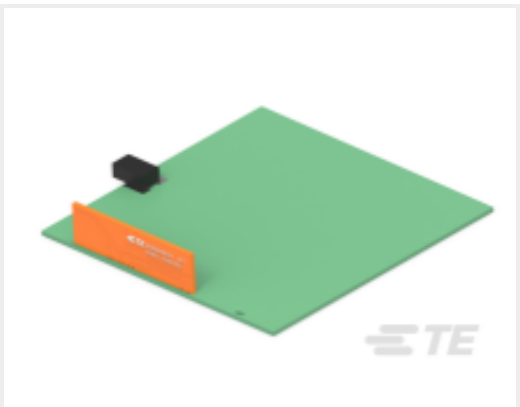
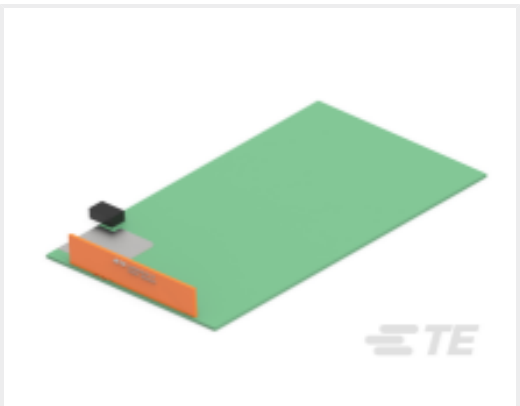
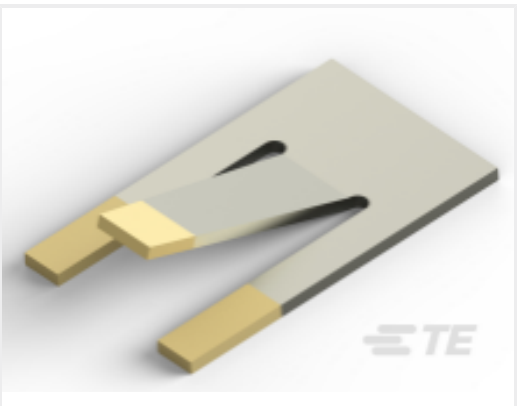
Candidate List Declared Against: JAN 2025
(247)
Does not contain REACH SVHC

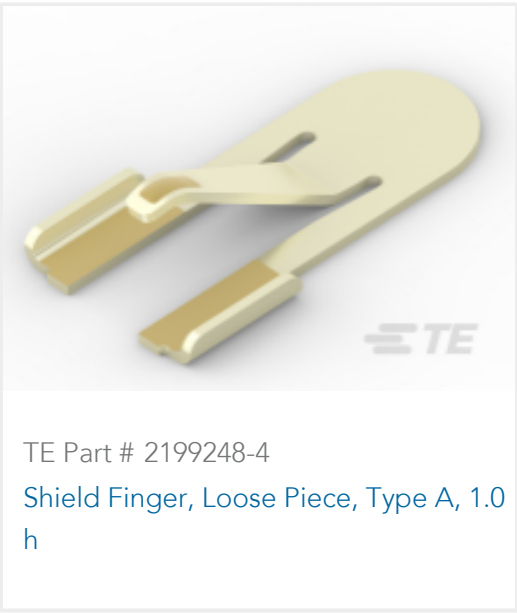
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 245°C

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

 TE Part # L000645-01 PCB ANT, TAB MOUNT, 617-7125MHz	 TE Part # 8-2108784-1 2108784-1 ANTENNA WITH EVB ASSY	 TE Part # L000646-80 EVB, MIMO, 5G, ASSY	 TE Part # 2336713-2 SPRING FINGER 1.45H
 TE Part # L000657-01 SPLATCH 5G/LTE GLOBAL WIDEBAND CHIP ANT	 TE Part # L000646-01 PCB ANT, TAB MOUNT, MIMO, 1557-7125MHz	 TE Part # L000645-80 EVB, LTE, 5G, ASSY	 TE Part # 1447009-5 SHIELD FINGER 0820 TYPE



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

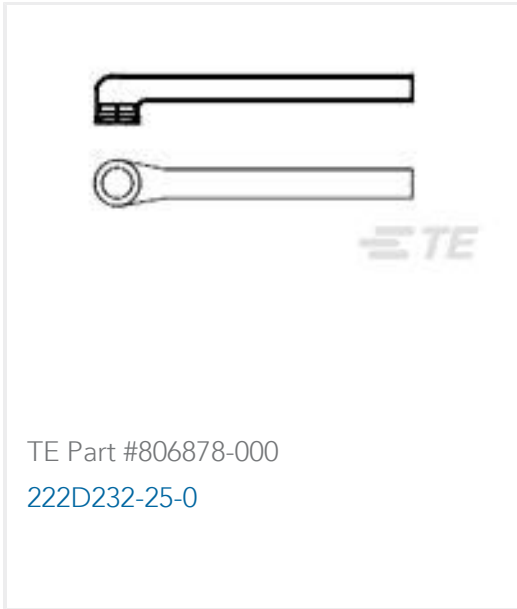
Customers Also Bought



TE Part #M3021-000005-500PG
PRESS XDCR M3021-000005-500PG



TE Part #2199248-6
Shield Finger, Loose Piece, Type A, 1.6 h



TE Part #806878-000
222D232-25-0



TE Part #02560234-000
RVDT R30D ASSY



TE Part #2355172-8
8P,2MM,BRK HDR,SRVT,2.8,0.1AU,BOX



TE Part #2-2176577-7
RLC73K 2B R105 1% 5K RL



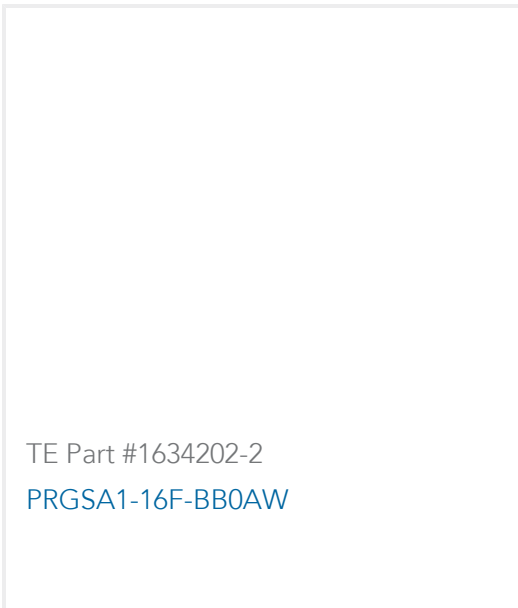
TE Part #2108964-1
Stamped Antenna,SMD,Wi-Fi,2.4 +5GHz



TE Part #1-1827873-0
DYNAMIC 1100D HDR ASSY H 20PX BLACK GOLD



TE Part #172039-1
MIC 7P CAP ASSY



TE Part #1634202-2
PRGSA1-16F-BB0AW

Documents

Product Drawings

PCB ANTENNA, SMD, 698-6000MHz

English

CAD Files

Customer View Model

ENG_CVM_CVM_2108784-1_A1.2d_dxf.zip

English

Customer View Model



[ENG_CVM_CVM_2108784-1_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2108784-1_A1.3d_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

PCB ANTENNA, SMD, 698-6000MHz

English

Product Specifications

Product Specification

English