

**2118310-1**

✓ ACTIVE

TE Internal #: 2118310-1

PCB Antenna, Multi Band, Cat-M/NB-IoT / Cellular / Wi-Fi, Internal / Embedded Mount, Through-Hole/Tab Mount, Omnidirectional, Gain  $3 < 6$  dBi[View on TE.com >](#)

### Antennas

Wireless Application: **Cat-M/NB-IoT, Cellular, ISM, Wi-Fi**Mounting Location: **Internal/Embedded**Mounting Type: **Through-Hole/Tab Mount**Antenna Type: **PCB**Directionality: **Omnidirectional**

### Features

#### Product Type Features

Antenna Product Type

Antenna

#### Configuration Features

Antenna Style

PCB

Mounting Location

Internal/Embedded

Antenna Type

PCB

Band Type

Multi Band

#### Electrical Characteristics

Antenna Operation

Passive

VSWR (Max)

&lt;3:1

Impedance

 $50 \Omega$ 

#### Signal Characteristics

Gain (Max)

3.5 dB

Nominal Frequency Range

698 – 2700

Peak Gain

 $3 < 6$  dBi

### Body Features

Product Weight	2.55 g[.09 oz]
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### Mechanical Attachment

Polarization	Linear
Mounting Type	Through-Hole/Tab Mount

### Dimensions

Product Width	10.56 mm[.416 in]
Product Length	74 mm[2.913 in]
Product Height	1.57 mm[.062 in]

### Operation/Application

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

### Industry Standards

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

### Product Availability

Applicable Region	Americas, EU, 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](http://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) SVHC > Threshold: Melamine (.38% in Component Part)

Article Safe Usage Statements:

Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

#### Halogen Content

Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free

#### Solder Process Capability

Hand solderable with lead free solder

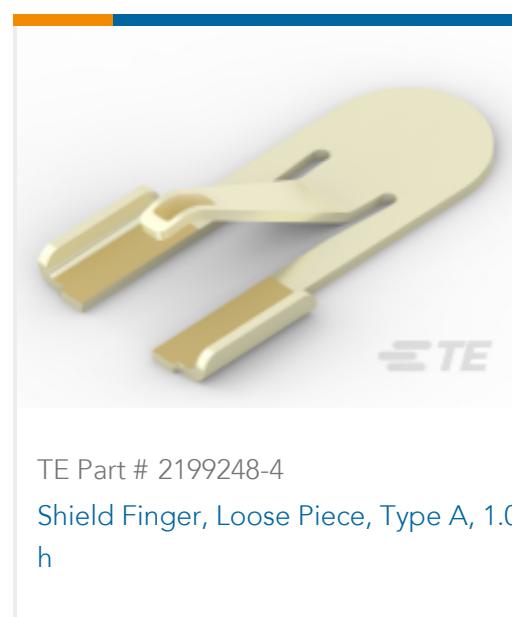
#### Product Compliance Disclaimer

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



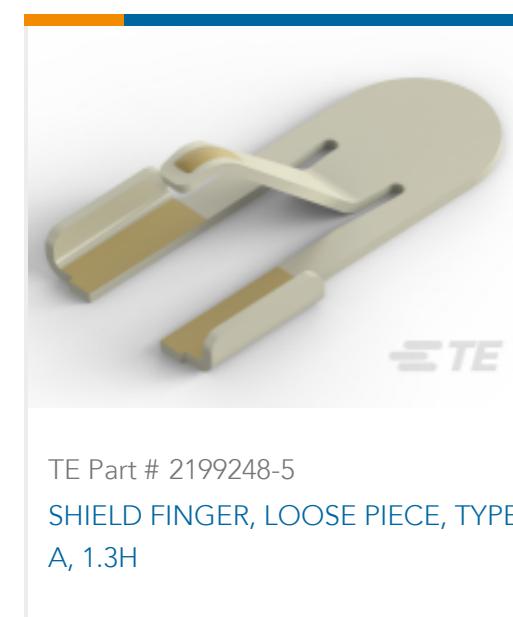
TE Part # 2040852-1  
SHIELD FINGER 0820 N-B WITH SE



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



TE Part # 8-2118310-1  
2118310-1 ANTENNA WITH EVB ASSY

## Customers Also Bought



TE Part #7-215570-4  
MICRO-MATCH PBC.04P



TE Part #2-1734839-4  
FPC CONN. 0.5MM PITCH T/C,24P



TE Part #5-338310-2  
15POS.HD20 PLUG ASS'Y



TE Part #4-1879378-2  
TLR 2512 2.0W R006 1% 75PPM 2K RL



TE Part #1437259-6  
3100089-SHIELD FINGER



TE Part #1622826-2  
CRG0402 5% 100K



TE Part #2176325-6  
CRGP 0402 27R 1%



TE Part #3-2176327-5  
CRGP 0805 6K8 1%



TE Part #ANT-LTE-CER-T  
Antenna CER LTE 37x5 SMT T&R

## Documents

### Product Drawings

[4G World Band, MetaSpan, Tab Mt. PCB](#)

English

### CAD Files

[3D PDF](#)

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2118310-1\\_C.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2118310-1\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2118310-1\\_C.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[Antenna Data Sheet 698-960, 1710-2170 & 2300-2700 MHz LTE/Cell Band Antenna](#)

English

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### Product Specifications

[Product Specification](#)

English