

# 2118310-1 ✓ ACTIVE

TE Internal #: 2118310-1

Antenna, CDMA 1900 / CDMA 850 / GSM, Printed Circuit Board, Embedded, PCB, Product Length 2.913 in [74 mm], Width .416 in [10.56 mm]

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## Antennas



Wireless Application: CDMA 1900, CDMA 850, Cellular, GSM, GSM 1800, GSM 900, ISM, LTE, UMTS, ZigBee

Mounts To: Printed Circuit Board

Antenna Style: Embedded

Antenna Type: PCB

Product Length: 74 mm [2.913 in]

## Features

### Configuration Features

Band Type	Quad Band
Number of Ports	1
Antenna Style	Embedded
Antenna Type	PCB

### Electrical Characteristics

VSWR (Max)	<3:1
Impedance	50 $\Omega$
Antenna Operation	Passive

### Signal Characteristics

Frequency Band	1710 – 1880 MHz, 1850 – 1990 MHz, 1920 – 2170 MHz, 2300 – 2700 MHz, 698 – 960 MHz, 824 – 894 MHz, 868 – 870 MHz, 880 – 960 MHz
Gain (Max)	3.5 dB

### Body Features



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

Polarization	Linear
Mounts To	Printed Circuit Board

### Dimensions

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

### Operation/Application

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

### Industry Standards

Wireless Application	CDMA 1900, CDMA 850, Cellular, GSM, GSM 1800, GSM 900, ISM, LTE, UMTS, ZigBee
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### 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>](#)

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 2022 (224) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
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, 1.0 h



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

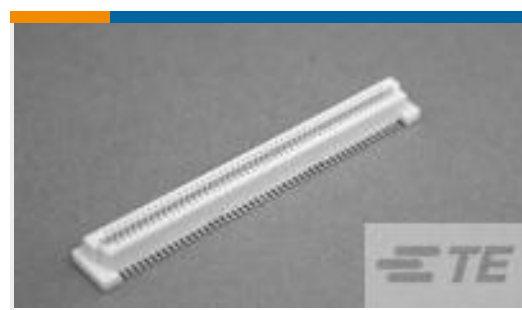


TE Part # 2199001-1  
SHIELD FINGER 1210 EMBOSS PACKING



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

### Customers Also Bought



TE Part #5177983-3  
0.8FH,R05H.5,080,08/Sn,TU



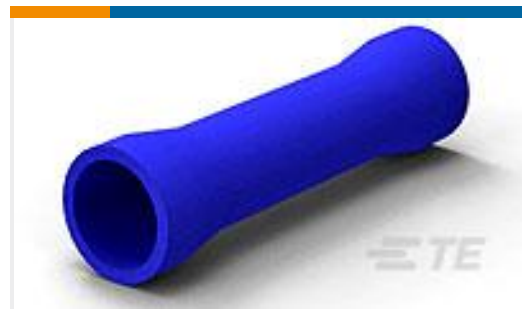
TE Part #9-2176070-5  
3521 82K 1% 2W



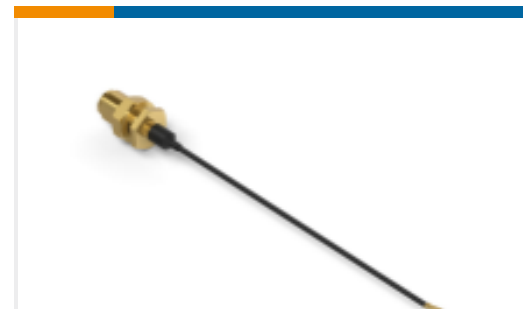
TE Part #3-1879216-0  
CPF0402 120K 0.1% 25PPM 1K RL



TE Part #1981584-1  
MICRO USB, TYPE A/B, GRAY



TE Part #35244  
SPLICE,PG BUTT 16-14



TE Part #2016694-2  
RF CA,UMCC4 TO SMA JACK,1.13MM,  
L100MM



TE Part #2176343-8  
CRGCQ 1206 39R 1%



TE Part #8-1393239-8  
RT314F24

## 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

### Product Environmental Compliance

[MD\\_2118310-1\\_06292018026\\_dmtec](#)

English

[MD\\_2118310-1\\_06292018026\\_dmtec](#)

English

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