

TE Internal #: 2118310-1

PCB Antenna, Multi Band, Cat-M/NB-IoT / Cellular / Wi-Fi, Internal /Embedded Mount, Through-Hole/Tab Mount, Omnidirectional, 3

< 6 dBi Peak Gain

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### Antennas



Communication Protocol: Cat-M/NB-IoT, Cellular, ISM, Wi-Fi

Mounting Location: Internal/Embedded

Mounting Type: Through-Hole/Tab Mount

Frequency Category: 698 – 2700

Antenna Type: PCB

## **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	
Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<3:1
Signal Characteristics	
Gain (Max)	3.5 dB
Frequency Category	698 – 2700

3 < 6 dBi

Peak Gain



## **Body Features**

Product Weight	2.55 g[.09 oz]
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	
Communication Protocol	Cat-M/NB-IoT, Cellular, ISM, Wi-Fi
Primary Application	Cat-M/NB-IoT, Cellular, Wi-Fi
Product Availability	
Applicable Region	Americas, EU, Global
Packaging Features	
Packaging Method	Bag & Box
Other	

# **Product Compliance**

Precision Level

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold:

Standard



### Melamine (2.5% in 12636698995)

#### 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 Halogen - Br, Cl, F < 900 ppm per
	homogenous material. Also BFR/CFR/PVC
	Free

Solder Process Capability

Hand solderable with lead free solder

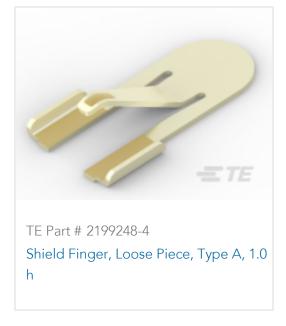
### Product Compliance Disclaimer

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**























# Customers Also Bought





















## **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 Specifications** 

**Product Specification** 

English