

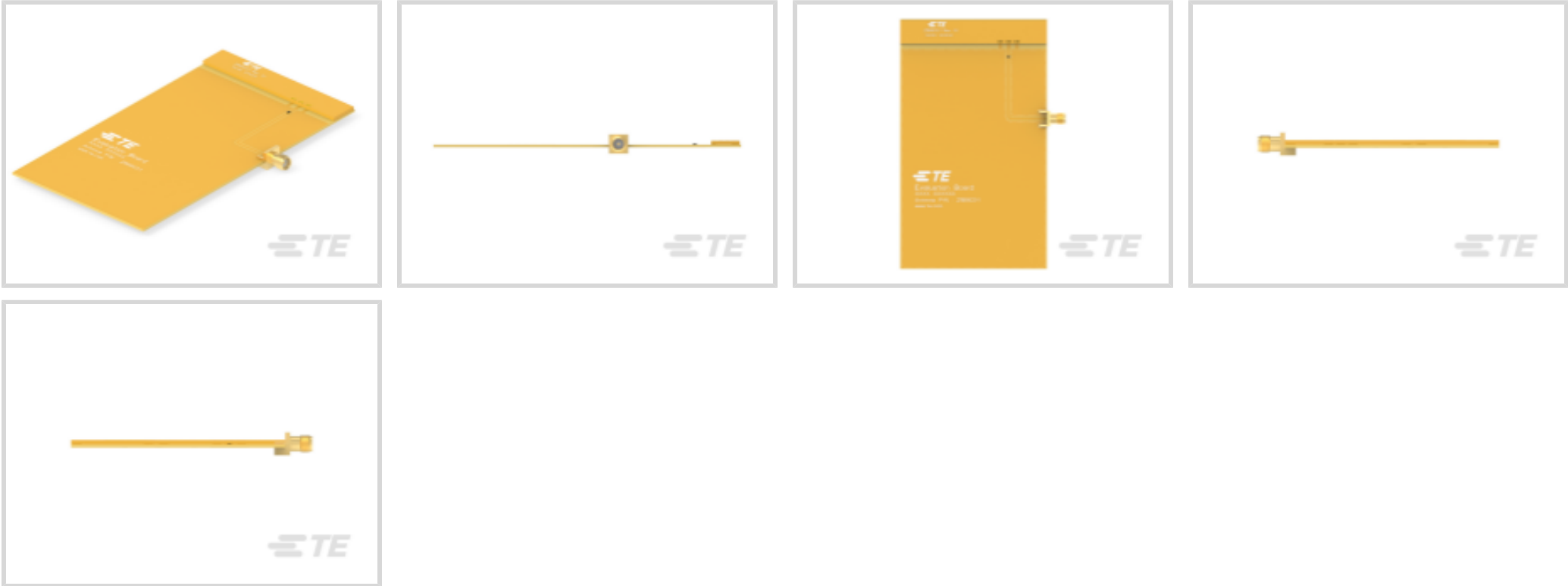


TE Internal #: 8-2118903-1

Eval Board Antenna, Multi Band, Cat-M/NB-IoT / Cellular / ISM,
Internal/Embedded Mount, Surface Mount, SMA, Omnidirectional,
Single Port

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Antennas



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

Mounting Location: **Internal/Embedded**

Mounting Type: **Surface Mount**

Frequency Category: **698 – 2700**

Antenna Type: **Eval Board**

Features

Product Type Features

Antenna Termination	SMA
Antenna Product Type	Antenna

Configuration Features

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

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<3:1

Signal Characteristics

Gain (Max)	2 dB
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Frequency Category	698 – 2700
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Body Features

Product Weight	22.1 g[.779 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Surface Mount

Dimensions

Product Width	127.6 mm[5.023 in]
Product Length	75 mm[2.952 in]
Product Height	2.64 mm[.104 in]

Operation/Application

Directionality	Omnidirectional
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Industry Standards

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

Product Availability

Applicable Region	Global
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Packaging Features

Packaging Method	Box & Carton
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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	Out of Scope
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	Not reviewed for solder process capability

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Documents

Product Drawings
2118903-1 ANTENNA WITH EVB ASSY
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_8-2118903-1_1.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_8-2118903-1_1.3d_igs.zip
English
Customer View Model



[ENG_CVM_CVM_8-2118903-1_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[PCB Ant. SMD, WORLD BAND](#)

English

Product Specifications

[Product Specification](#)

English