ANT-868-JJB-ST ✔ ACTIVE

TE Internal #: ANT-868-JJB-ST

Dome/Puck Antenna, Single Band, LPWAN / LoRaWAN, Internal /Embedded Mount, Through-Hole/Tab Mount, Solder, Omnidirectional, Single Port, Gain < 0 dBi

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Antennas

Wireless Application: **LoRaWAN, LPWAN, Wi-Fi**

Mounting Location: **Internal/Embedded**

Mounting Type: **Through-Hole/Tab Mount**

Frequency Category: **862 – 870**

Antenna Type: **Dome/Puck**

Features

Product Type Features

Antenna Termination	Solder
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Dome
Mounting Location	Internal/Embedded
Antenna Type	Dome/Puck
Band Type	Single Band
Port Configuration	Single Port

Electrical Characteristics

VSWR (Max)	<2.1:1
Impedance	50 Ω

Signal Characteristics

Frequency Band	868 MHz
Frequency Category	862 – 870
Peak Gain	< 0 dBi

Body Features

Product Weight	.46 g[.01622 oz]

Mechanical Attachment

Polarization	Linear
Mounting Type	Through-Hole/Tab Mount

Dimensions

Product Width	7 mm[.28 in]
Product Length	17.6 mm[.69 in]
Product Height	0 mm[0 in]

Operation/Application

Directionality	Omnidirectional

Industry Standards

Wireless Application	LoRaWAN, LPWAN, Wi-Fi
Primary Application	LoRaWAN, LPWAN

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	Not Yet Reviewed
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

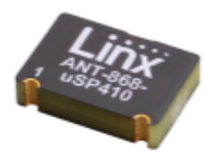
Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # ANT-868-HESM
Antenna 1/4 Wave Coil 868MHz SMT

TE Part # ANT-868-JJB-HT-T
Antenna Mini Hi-Temp 868MHz THM T&R

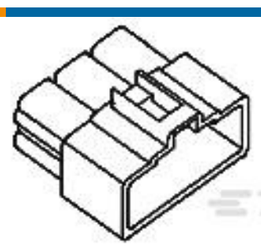
TE Part # ANT-868-JJB-RA
Antenna Mini R-Angle 868MHz THM



TE Part # L9000152-01
Antenna uSP PCB RPC 410 868MHz SMT T&R

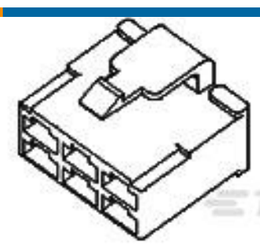
TE Part # ANT-868-SP
Antenna SP PCB RPC 868MHz SMT

Customers Also Bought

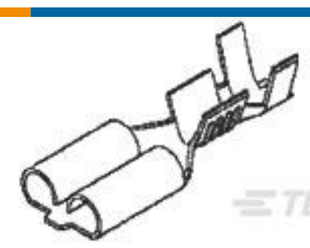


TE Part #172133-1
FF 250 CAP HSG 4P NYLON NAT

TE Part #120591-1
TOP LOAD BATTERY



TE Part #172134-1
FF 250 PLUG HSG 4P NYLON NAT



TE Part #170258-2
FF 250 REC 14-12AWG TPBR REREELING

TE Part #2842102-4
4P,2MM,BRK HDR,SRVT,SMD,0.1AU, TR W/CAP

TE Part #2307815-4
4P,2MM,BB,REC,SRVT,SMD,AU.76,TR, W/CP

TE Part #1-1634002-0
MMCX R/A Plg Hex 50Ohm Gold RG174A/U, 18

TE Part #1-1452368-1
Signal Header

TE Part #1478769-5
ANTI-VIB NYLON GLD 25MM BLK

Documents

Product Drawings

Antenna Mini Straight 868MHz THM

English

CAD Files

Customer View Model

ENG_CVM_CVM_ANT-868-JJB-ST_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_ANT-868-JJB-ST_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-868-JJB-ST_A.3d_stp.zip

English

3D PDF

3D

Datasheets & Catalog Pages

ANT-868-JJB-cc

English