

ANT-DB1-LCD-SMA

✓ ACTIVE

TE Internal #: ANT-DB1-LCD-SMA  
Terminal/Duck Antenna, Dual Band, Wi-Fi, External Mount, Stud /Screw/Lug Mount, SMA, Omnidirectional, Single Port, Gain 3 < 6 dBi  
[View on TE.com >](#)



Antennas



Wireless Application: **Wi-Fi**  
Mounting Location: **External**  
Mounting Type: **Stud/Screw/Lug Mount**  
Frequency Category: **2400 – 2500**  
Antenna Type: **Terminal/Duck**

Features

Product Type Features

|                      |         |
|----------------------|---------|
| Antenna Termination  | SMA     |
| Antenna Product Type | Antenna |

Configuration Features

|                    |               |
|--------------------|---------------|
| Antenna Style      | Whip          |
| Mounting Location  | External      |
| Antenna Type       | Terminal/Duck |
| Band Type          | Dual Band     |
| Port Configuration | Single Port   |

Electrical Characteristics

|            |        |
|------------|--------|
| VSWR (Max) | <2.1:1 |
| Impedance  | 50 Ω   |

Signal Characteristics

|                    |                 |
|--------------------|-----------------|
| Gain (Max)         | 2.8 dB          |
| Frequency Band     | 2400 – 2485 MHz |
| Frequency Category | 2400 – 2500     |
| Peak Gain          | 3 < 6 dBi       |

Body Features

|                |                  |
|----------------|------------------|
| Product Weight | 7.4 g[.26102 oz] |
|----------------|------------------|



Mechanical Attachment

|               |                      |
|---------------|----------------------|
| Polarization  | Linear               |
| Mounting Type | Stud/Screw/Lug Mount |

Dimensions

|                |                  |
|----------------|------------------|
| Product Width  | 10 mm[.39 in]    |
| Product Length | 83.1 mm[3.27 in] |
| Product Height | 0 mm[0 in]       |

Operation/Application

|                     |                 |
|---------------------|-----------------|
| Antenna Environment | Outdoor         |
| Directionality      | Omnidirectional |

Industry Standards

|                      |       |
|----------------------|-------|
| Wireless Application | Wi-Fi |
| Primary Application  | Wi-Fi |

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                      |
| EU ELV Directive 2000/53/EC                   | Not Yet Reviewed                                                                                                                                                                                                                                                                                                                                                                                                               |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                           |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (.31% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. 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, 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

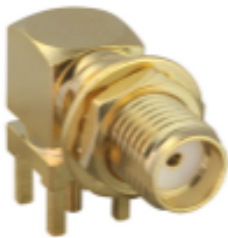


numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the 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 # CONSMA001  
SMA Jack 50 Ohm PCB Through Hole



TE Part # CONSMA002-L-G  
SMA Jack 50 Ohm PCB Through Hole



TE Part # CONSMA002-SMD-G  
SMA Jack 50 Ohm PCB Surface Mount



TE Part # CONSMA008-G  
SMA Jack 50 Ohm Through Hole PCB

Customers Also Bought



TE Part #D369-P66-NP0  
Rectangular Connectors: 6-Way Plug



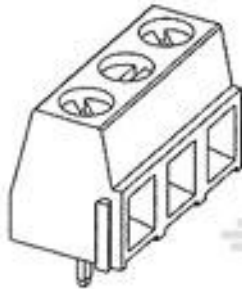
TE Part #D369-R66-NS0  
369 6 WAY REC, NO CONTACTS, SKT



TE Part #1775441-7  
EMIX CONN., 1.5MM PITCH, RCPT, HSG, 7P



TE Part #2015699-1  
RF CA,UMCC GEN1-GEN1,0.81MM CABLE,L100MM



TE Part #1546216-2  
TERMI-BLOK PCB MOUNT 90 2P.



TE Part #3-1825059-7  
ADF08S04=DIP SWT,FLUSH,SMT-GW



TE Part #1-2016698-6  
RF CA,UMCC GEN4-GEN4,1.13MM CABLE,L200MM



TE Part #L9000021-01  
Antenna 1/2 Wave Whip 2.4GHz SMA

Documents

Product Drawings  
Antenna 2.4/5.8GHz Dipole Tilt Swivel SM  
English

CAD Files  
3D PDF  
3D





Customer View Model

[ENG\\_CVM\\_CVM\\_ANT-DB1-LCD-SMA\\_1.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_ANT-DB1-LCD-SMA\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_ANT-DB1-LCD-SMA\\_1.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[ANT-DB1-LCD-ccc](#)

English