

ANT-2.4-WRT-UFL-100

✓ ACTIVE

TE Internal #: L9000112-01
Dome/Puck Antenna, Single Band, Bluetooth / ISM / Zigbee,
External Mount, Stud/Screw/Lug Mount, MHF1 / U.FL / UMCC,
Omnidirectional, Single Port
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Antennas



Wireless Application: **Bluetooth, ISM, Zigbee**
Mounting Location: **External**
Mounting Type: **Stud/Screw/Lug Mount**
Frequency Category: **2400 – 2500**
Antenna Type: **Dome/Puck**

Features

Product Type Features

Antenna Termination	MHF, MHF1, U.FL, UMCC
Antenna Product Type	Antenna

Configuration Features

Mounting Location	External
Antenna Type	Dome/Puck
Band Type	Single Band
Port Configuration	Single Port

Signal Characteristics

Frequency Category	2400 – 2500
Peak Gain	> 6 dBi

Mechanical Attachment

Mounting Type	Stud/Screw/Lug Mount
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Operation/Application

Directionality	Omnidirectional
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Industry Standards

Wireless Application	Bluetooth, ISM, Zigbee
Primary Application	Bluetooth, ISM, Zigbee



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 # CONMHF1-SMD-G-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount



TE Part # CONMHF1-SMD-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount



TE Part # CONUFL001-SMD-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount



TE Part # CONUFL001-SMD
Conn UFL MHF Straight PCB Mount Jack

Customers Also Bought





TE Part #HD34-24-14PN
DEUTSCH HD30 Housings



TE Part #DT04-2P-P049
REC, 2P, GRY, 4700 OHM RESISTOR, AU



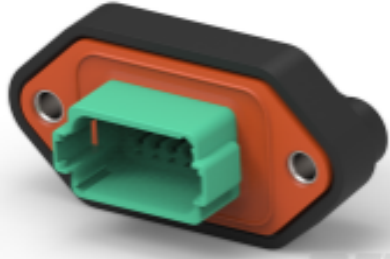
TE Part #TAD14145101-005
Ethernet, Profinet M12 D-Code 4pos PUR



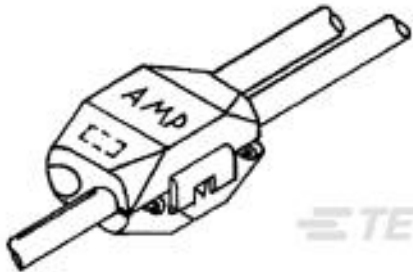
TE Part #3-1761605-1
IDC LOW PRO HDR 34P RA BLUE



TE Part #1011-120-0205
SEAL RET, 2P, GRY, DTP



TE Part #DT04-12PC-LE01
REC, 12P, GRN, N, CAP, FLANGE, C



TE Part #53440-1
ELECTRO-TAP, 18-14 AWG RUN&TAP



TE Part #DTV02-18PC
REC, 18P, GRN, N, FLANGE, C

Documents

Product Drawings

Antenna Dome 2.4GHz 1.32 100 UFL

English

CAD Files

Customer View Model

ENG_CVM_CVM_L9000112-01_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L9000112-01_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_L9000112-01_C.3d_stp.zip

English

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Datasheets & Catalog Pages

2.4 GHz Compact Helical Antenna

English

2.4 GHz External Panel-Mount Antenna

English