

ANT-LTE-RPC-UFL

✓ ACTIVE

TE Internal #: ANT-LTE-RPC-UFL
PCB Antenna, Wide Band, Cellular / LTE, Internal/Embedded
Mount, Adhesive Mount, Solder, Omnidirectional, Single Port, > 6
dBi Peak Gain
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Antennas



Communication Protocol: Cat-M/NB-IoT, Cellular, LTE
Mounting Location: Internal/Embedded
Mounting Type: Adhesive Mount
Frequency Category: 617 – 4200
Antenna Type: PCB

Features

Product Type Features

Antenna Termination	Solder
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Patch
Mounting Location	Internal/Embedded
Antenna Type	PCB
Band Type	Wide Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<2.5:1

Signal Characteristics

Frequency Band	617 – 698 MHz
Gain (Max)	3.6 dB
Frequency Category	617 – 4200
Peak Gain	> 6 dBi

Body Features

Antenna Weight	3.2 g
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Mechanical Attachment

Polarization	Linear
Mounting Type	Adhesive Mount

Dimensions

Product Width	14.9 mm[.59 in]
Product Length	98.4 mm[3.87 in]
Product Height	.8 mm[.03 in]
Cable Length	.1 m[.33 ft]

Operation/Application

Directionality	Omnidirectional
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Industry Standards

Communication Protocol	Cat-M/NB-IoT, Cellular, LTE
Primary Application	Cellular, LTE

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	未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: Not Yet Reviewed SVHC > Threshold: Pb (3.9% in Component) Article Safe Usage Statements: 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 Bromine/Chlorine - Br and Cl < 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



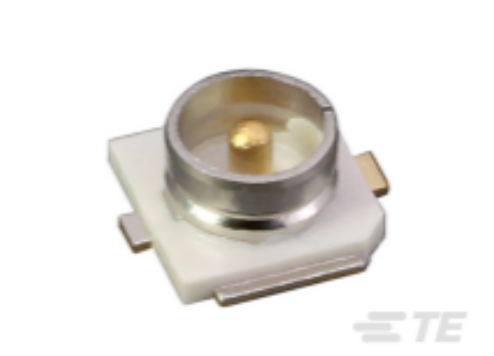
limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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-LTE-RPC

Antenna Adh PCB RPC LTE 1.13 100



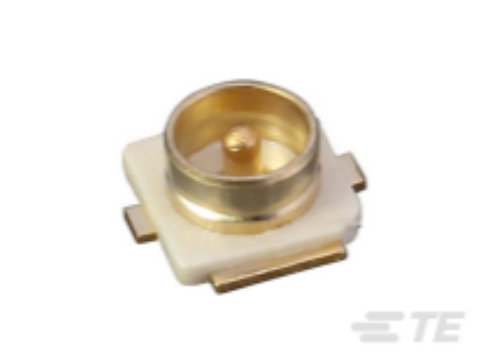
TE Part # CONMHF1-SMD-T

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 # CONMHF1-SMD-G-T

U.FL/MHF1 Jack 50 Ohm PCB Surface Mount

Customers Also Bought



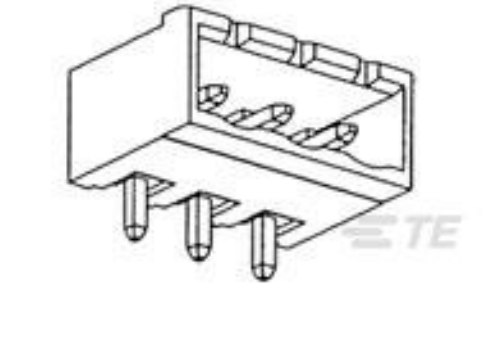
TE Part #ANT-868-PW-QW-UFL

Antenna 1/4 Wave Whip 868MHz 1.32 UFL



TE Part #ANT-418-PW-RA

Antenna 1/4 Wave 418MHz Swivel Screw #6



TE Part #796639-3

3POS 5.08MM CE R/A HDR,TRM BLK



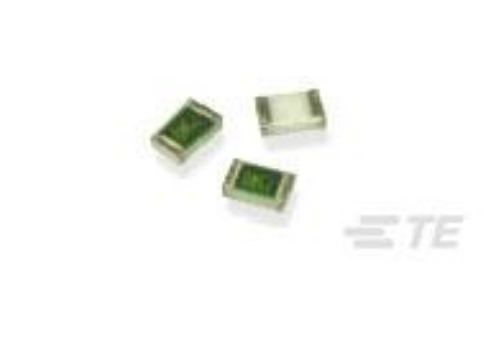
TE Part #1-1462039-5

IM21TS=IM RELAY 50mW 3V



TE Part #7-1879021-3

SMW3 100R 5%



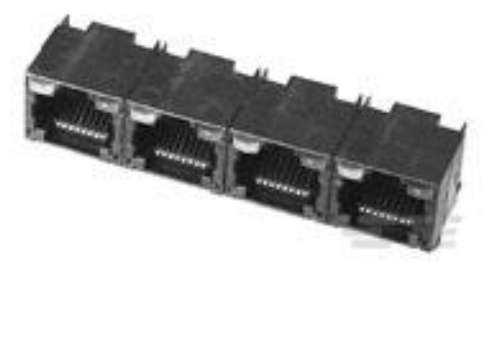
TE Part #1-2176090-5

RP 1J 0.166W 182K 0.1% 25PPM 1K RL



TE Part #2361492-1

PCB Antenna,cable,MHF,698-2700MHz



TE Part #5557562-1

MOD JK ASSY,4PORT,8POSN,RTANG

ANT-LTE-RPC-UFL

PCB Antenna, Wide Band, Cellular / LTE, Internal/Embedded Mount, Adhesive Mount, Solder, Omnidirectional, Single Port, > 6 dBi Peak Gain



Documents

Product Drawings

Antenna LTE RPC PCB Adhes 100mm UFL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ANT-LTE-RPC-UFL_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_ANT-LTE-RPC-UFL_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-LTE-RPC-UFL_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

LTE/LPWA Embedded Dipole Antenna

English