

ANT-W63RPC1-UFL-100

✓ ACTIVE

TE Internal #: L9000234-01

PCB Antenna, Triple Band, Wi-Fi, Internal/Embedded Mount, Adhesive Mount, N-type, Omnidirectional, Single Port, > 6 dBi Peak Gain

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Antennas



Antenna Type: **PCB**

Band Type: **Triple Band**

Primary Application: **Wi-Fi**

Wireless Application: **Wi-Fi**

Mounting Location: **Internal/Embedded**

Features

Product Type Features

Antenna Termination	N-type
Antenna Product Type	Antenna

Configuration Features

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

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<1.8:1

Signal Characteristics

Frequency Band	2400 – 2485 MHz
Gain (Max)	3.7 dB
Frequency Category	2400 – 7125
Peak Gain	> 6 dBi

Body Features

Product Weight	1.6 g[.05643 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Adhesive Mount

Dimensions

Product Width	11 mm[.43 in]
Product Length	43 mm[1.69 in]
Product Height	1.3 mm[.05 in]
Cable Length	.1 m[.33 ft]

Operation/Application

Directionality	Omnidirectional
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Industry Standards

Primary Application	Wi-Fi
Wireless 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: JAN 2025 (247) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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 # CONUFL001-SMD  
Conn UFL MHF Straight PCB Mount Jack



TE Part # CONMHF1-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

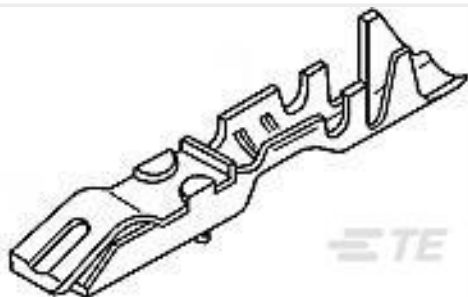


TE Part # CONUFL001-SMD-T  
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount


Customers Also Bought




TE Part #1622725-1  
LR2 1% 2K2




TE Part #5-867052-1  
LOCKING CLIP CONT ASSY .025 SQ




TE Part #L9000203-01  
Antenna WIFI6 2.4/5/6 GHz FPC UFL 100




TE Part #L9000211-01  
Antenna WiFi6/6E FPC LV 7x45 100 UFL




TE Part #L9000230-01  
Antenna WiFi6/6E FPC 20x110 100 UFL




TE Part #L9000205-01  
Antenna WiFi6/6E FPC LH 45x7 100 UFL




TE Part #4525DO-DS5AI001DP  
1IN PCB MOUNT I2C DIFF PRESSURE SENSOR



TE Part #2305570-1  
Strip Terminal Cutter-Side Feed-No Crimp



TE Part #87175-2  
01 LOCKING CLIP HSG SR .100CL



TE Part #L9000171-01  
Antenna Dome WiFi6 2.4/5.8GHz 1.32 UFL

Documents

Product Drawings  
Antenna WIFI6 2.4/5/6 GHz RPC UFL 100  
English



[Datasheets & Catalog Pages](#)  
[Rigid Embedded Dipole WiFi 6 Antenna](#)  
[English](#)