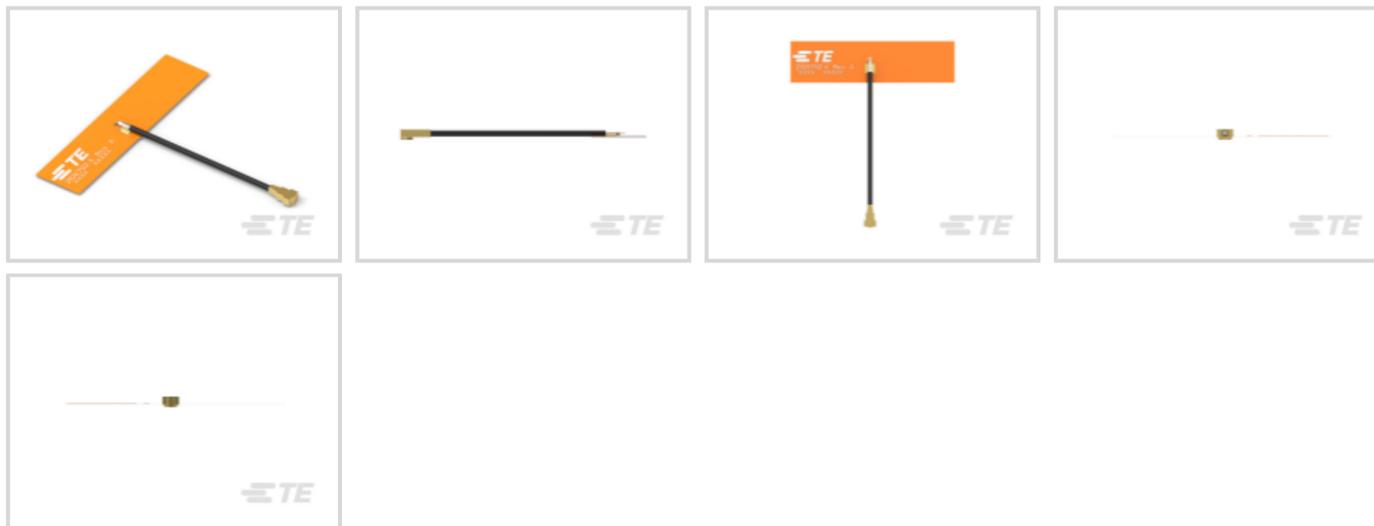


TE Internal #: 2108792-1
 Flexible PCB (FPC) Antenna, Triple Band, Wi-Fi, Internal /Embedded Mount, Adhesive Mount, MHF / MHF1 / U.FL, Omnidirectional, Single Port

[View on TE.com >](#)



Antennas



Antenna Type: **Flexible PCB (FPC)**

Band Type: **Triple Band**

Primary Application: **Wi-Fi**

Wireless Application: **Bluetooth, Wi-Fi, Zigbee**

Mounting Location: **Internal/Embedded**

Features

Product Type Features

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

Configuration Features

Antenna Style	Flexible PCB
Antenna Type	Flexible PCB (FPC)
Band Type	Triple Band
Mounting Location	Internal/Embedded
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<2:1

Signal Characteristics

Frequency Band	5925 – 7125 MHz, 2400 – 2500 MHz, 5150 – 5875 MHz
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Gain (Max)	3.5 dB
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Frequency Category	2400 – 7125
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Peak Gain	3 < 6 dBi
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Body Features

Product Weight	.546 g[.019 oz]
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Mechanical Attachment

Polarization	Linear
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Mounting Type	Adhesive Mount
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Dimensions

Product Width	10 mm[.393 in]
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Product Length	40 mm[1.574 in]
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Product Height	.12 mm[.004 in]
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Cable Length	.11 m[.37 ft]
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Operation/Application

Wireless Standard	802.11 a/b/g/n/ac/ad/ax, Bluetooth, ZigBee & Wi-Fi
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Directionality	Omnidirectional
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Industry Standards

Primary Application	Wi-Fi
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Wireless Application	Bluetooth, Wi-Fi, Zigbee
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Product Availability

Applicable Region	Global
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Packaging Features

Packaging Method	Bag & Box
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Other

Precision Level	Standard
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Out of Scope
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2025 (247)

Candidate List Declared Against: JUNE 2024 (241)

Does not contain REACH SVHC

Halogen Content

Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free

Solder Process Capability

Not applicable 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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



Customers Also Bought





TE Part #L9000037-01
Antenna 2.4 FPC LH 45x7 100 UFL



TE Part #CSI-RGFB-100-UFFR
RP-SMA to U.FL/MHF1 100mm 1.13 OD



TE Part #1-1423673-2
W51-A122B1-10=CKTBKR, THERM, ROC



TE Part #3-1625885-1
1W SM M/OX 5% 1K0



TE Part #8-1879208-9
CPF 0402 47K 0.1% 25PPM 1K RL



TE Part #CSI-RGFI-200-UFFR
RP-SMA to U.FL/MHF1 200mm 1.13 OD

Documents

Product Drawings

[FPC Ant, MHF, 114mm, Wi-Fi 6E Triple](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2108792-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2108792-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2108792-1_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Wi-Fi 6E TRIPLE BAND EMBEDDED ANTENNA](#)

English

Product Specifications

[Product Specification](#)

English