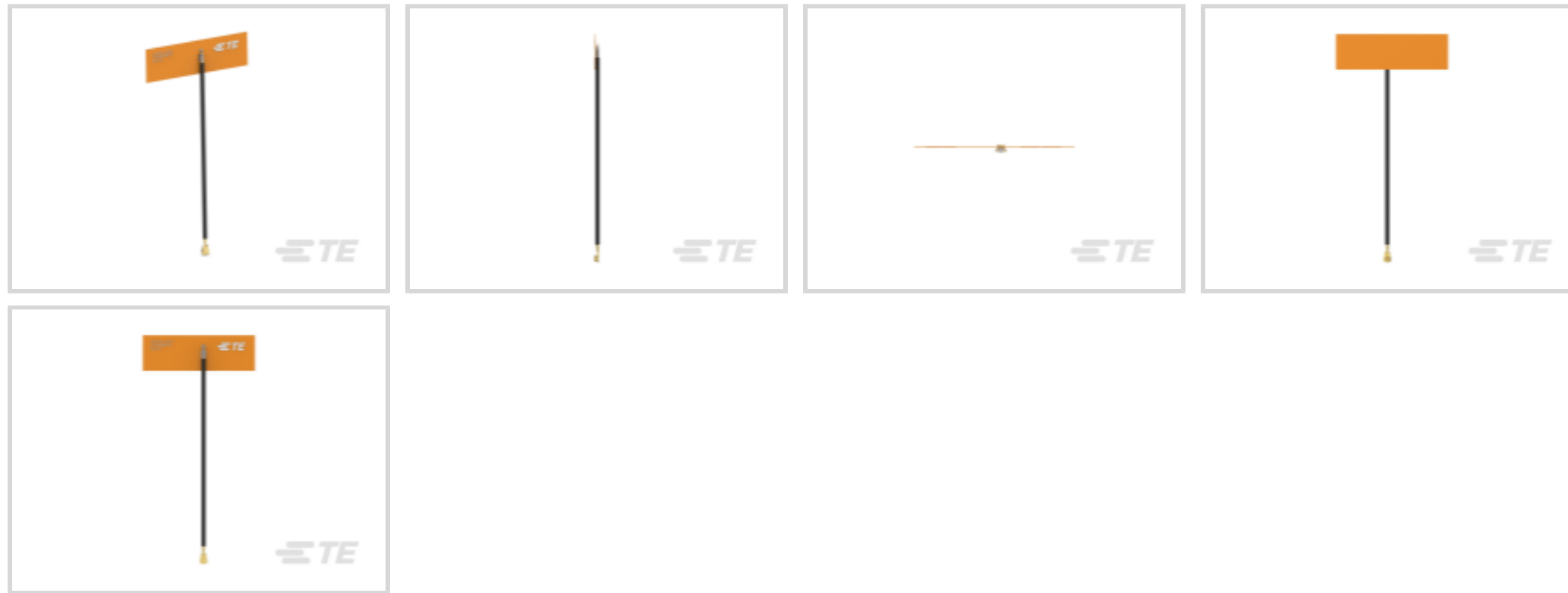




TE Internal #: 2344656-2  
 Flexible PCB (FPC) Antenna, Dual Band, Wi-Fi, Internal/Embedded  
 Mount, Adhesive Mount, MHF / MHF1 / U.FL, Omnidirectional,  
 Single Port

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Antennas



Communication Protocol: **Bluetooth, Wi-Fi, Zigbee**

Mounting Location: **Internal/Embedded**

Mounting Type: **Adhesive Mount**

Frequency Category: **2400 – 5950**

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

**Features**

**Product Type Features**

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

**Configuration Features**

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

**Electrical Characteristics**

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

**Signal Characteristics**

Frequency Band	2400 – 2500 MHz, 5150 – 5875 MHz
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Gain (Max)	2 dB
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Frequency Category	2400 – 5950
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Peak Gain	0 < 3 dBi
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### Body Features

Product Weight	1.2 g[.042 oz]
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### Mechanical Attachment

Polarization	Linear
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Mounting Type	Adhesive Mount
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### Dimensions

Product Diameter	1.13 mm[.044 in]
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Product Width	9.5 mm[.374 in]
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Product Length	30 mm[1.181 in]
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Product Height	.19 mm[.007 in]
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Cable Length	.1 m[.33 ft]
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Cable Insulation Diameter (Max)	.7 mm[.028 in]
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### Operation/Application

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

Communication Protocol	Bluetooth, Wi-Fi, Zigbee
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Primary Application	Wi-Fi
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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	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

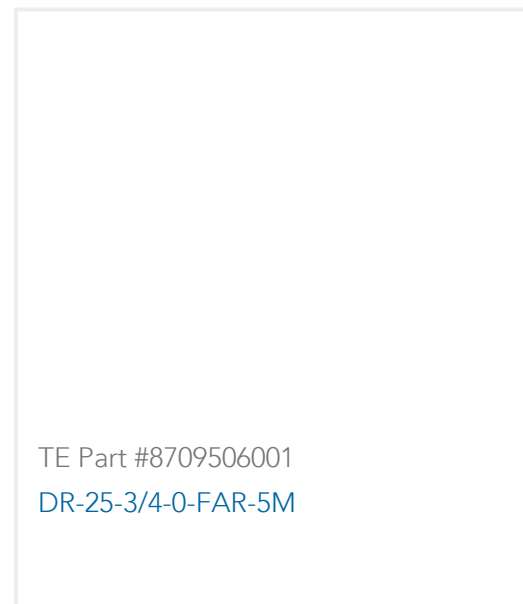
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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





## Documents

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2344656-2\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2344656-2\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2344656-2\\_B.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[Datasheet 2344656](#)

English

### Product Specifications

[Product Specification](#)

English