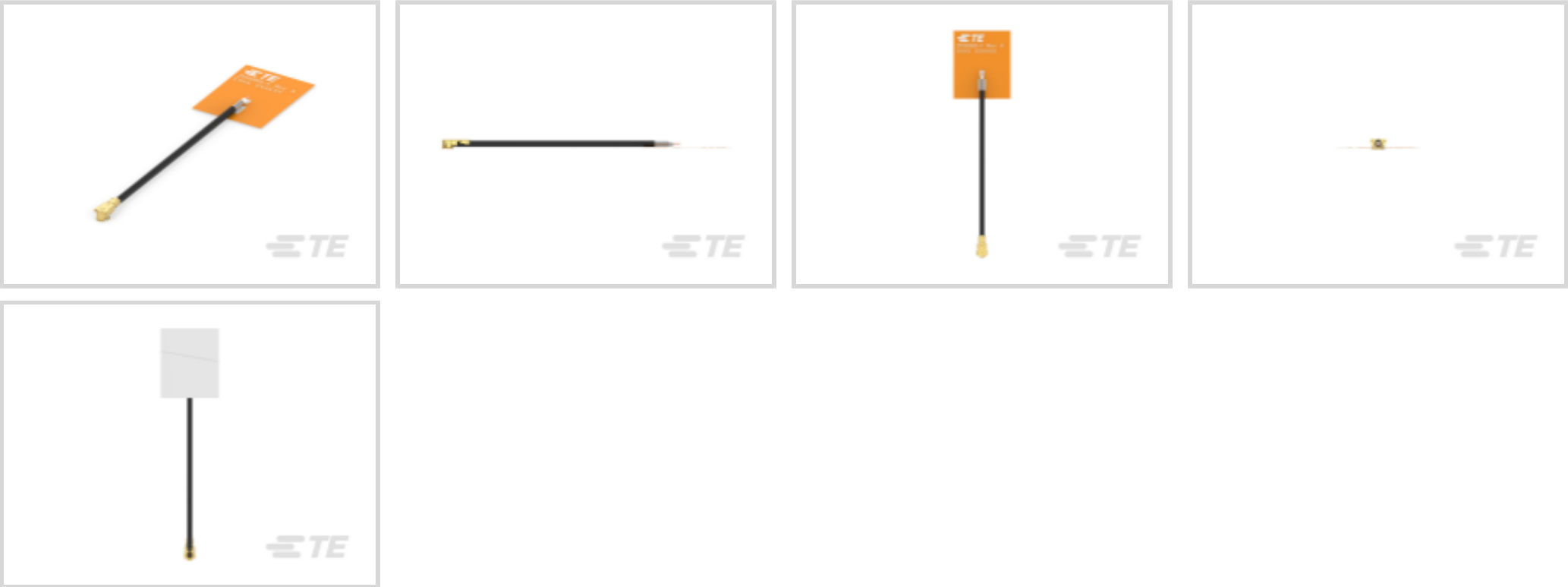




Antennas



Antenna Type: Flexible PCB (FPC)

Band Type: Wide Band

Primary Application: UWB

Wireless Application: UWB

Mounting Location: Internal/Embedded

Features

Product Type Features

Antenna Termination	MHF4
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Flexible PCB
Antenna Type	Flexible PCB (FPC)
Band Type	Wide Band
Mounting Location	Internal/Embedded

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<2.1:1

Signal Characteristics

Frequency Band	5900 – 8500 MHz
Gain (Max)	3.8 dB



Peak Gain	3 < 6 dBi
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Body Features

Product Weight	.5 g[.017 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Adhesive Mount

Dimensions

Product Width	18.6 mm[.732 in]
Product Length	15.6 mm[.614 in]
Product Height	.15 mm[.006 in]
Cable Length	.1 m[.32 ft]

Operation/Application

Wireless Standard	UWB
Directionality	Omnidirectional

Industry Standards

Primary Application	UWB
Wireless Application	UWB

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
EU ELV Directive 2000/53/EC	Compliant
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247)



Does not contain REACH SVHC

Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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Solder Process Capability	Not reviewed for solder process capability
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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

TE Part # 2334884-1  
UMCC Micro-Coax receptacle, Gen 4

Customers Also Bought

TE Part #CAT-D487-H342  
DEUTSCH DT Headers

TE Part #502945-000  
202K153-3-01/86-0

TE Part #5-2176339-8  
CRGCQ 0603 560K 1%

TE Part #ZPF000000000015306  
DMC-M 20-22 PN

TE Part #ABC23G-0000  
RECP ASSY

TE Part #1-1462038-9  
IM41NS=IM RELAY 100mW 3V BIS

TE Part #2108971-6  
FPC ANT, MHF 4L, 100mm, UWB 3-8.5 GHz

TE Part #2176587-1  
RLC73V 2E R01 1% 1K RL



Documents

Product Drawings

FPC ANT, MHF 4L, 100mm, UWB 6~8.5 GHz

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2108965-6\_1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2108965-6\_1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2108965-6\_1.3d\_stp.zip

English

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

Datasheets & Catalog Pages

FPC ANT, MHF/MHF4L, UWB 6-8.5GHz

English

2108965-X Antennas Application Notes

English

Product Specifications

Product Specification

English