



**Part Number :** [2158680001](#)  
**Product Description :** 2.4GHz / 5GHz Wi-Fi On-Metal  
Antenna, 300.00mm Cable Length, Compatible with  
U.FL / I-PEX MHF Connectors  
**Series Number :** 215868  
**Status :** Active  
**Product Category :** Antennas



## Documents & Resources

### Drawings

[2158680001\\_sd.pdf](#)  
[2158680001-001.pdf](#)

### 3D Models and Design Files


[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)

### Specifications

[2158680001-000.pdf](#)  
[2158680001-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

### [Compliance Statements](#)

- EU RoHS

- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

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## Part Details

### General

Status	Active
Category	Antennas
Series	215868
Description	2.4GHz / 5GHz Wi-Fi On-Metal Antenna, 300.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	External Antenna
Product Name	2.4/5GHz On-Metal Antenna
Protocol	BT, DSRC, Wi-Fi
Type	External, Wi-Fi Antenna
UPC	193264779635

### Electrical

Band#1 F_End (MHz)	2500
Band#1 F_Start (MHz)	2400
Band#2 F_End (MHz)	5850
Band#2 F_Start (MHz)	5150
Peak Gain (dBi)	2.0 @ 2.4 GHz, 5.5 @ 5 GHz
Return Loss - S11 (dB)	< -6
Total Efficiency	>45% @ 5 GHz, >50% @ 2.4 GHz

**Physical**

Cable Length	300.00mm
Mounting Style	Adhesive, Screws
Net Weight	7.040/g
Packaging Type	Tray
Polarization	Linear
Radiation Pattern	Omnidirectional
Temperature Range - Operating	-40° to +85°C

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**Mates With / Use With**

**Mates with Part(s)**

Description	Part Number
Mates With	U.FL / I-PEX MHF Connector