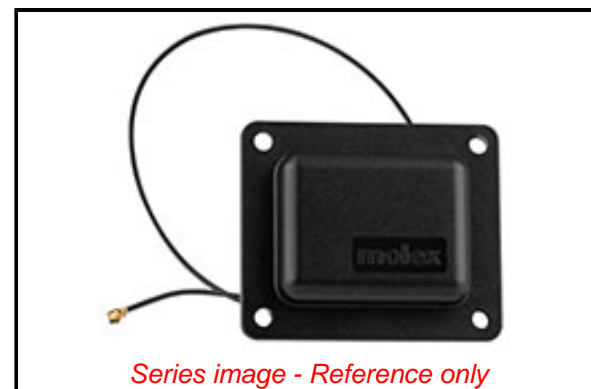


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [2158680001](#)  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** 2.4GHz / 5GHz Wi-Fi On-Metal Antenna, 300.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 2158680001-001 (PDF)</a>
<a href="#">Product Specification 2158680001-001 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Application Specification 2158680001-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**General**

Product Family	Antennas
Series	<a href="#">215868</a>
Component Type	External Antenna
Mates With	U.FL / I-PEX MHF Connector
Overview	<a href="#">Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee</a>
Product Name	2.4/5GHz On-Metal Antenna
Protocol	BT, DSRC, Wi-Fi
Type	Wi-Fi Antenna
UPC	193264779635

**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

**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

**Material Info**

**Reference - Drawing Numbers**

Application Specification	2158680001-000
Packaging Specification	2158680001-001
Product Specification	2158680001-001
Sales Drawing	2158680001-000

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)10043-DC (17  
Jan 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[215868 Series](#)