

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

**Part Number:** [2144281001](#)  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** 2.4GHz Wi-Fi/Bluetooth External Antenna, with I-PEX MHF Connector, Black

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 2144280001-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification 2143860001-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification 2144280001-001 (PDF)</a>	

**General**

Product Family	Antennas
Series	<a href="#">214428</a>
Component Type	External Antenna
Function	Signal
Mates With	I-PEX MHF I Receptacle
Overview	<a href="#">Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee</a>
Product Name	2.4GHz Wi-Fi/BT Antenna
Protocol	BT, Wi-Fi
Type	External Antenna
UPC	193264436057

**Physical**

Length	104.00mm
Mounting Style	N/A
Net Weight	6.000/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Width	9.35mm

**Electrical**

Band#1 F_End (MHz)	2500
Band#1 F_Start (MHz)	2400
Electrical Connectivity	Cable
Peak Gain (dBi)	3.1 @ 2.4 GHz
Return Loss - S11 (dB)	< -8
Total Efficiency	>75% @ 2.4 GHz

**Material Info**

**Reference - Drawing Numbers**

Application Specification	2144280001-000
Packaging Specification	2143860001-000
Product Specification	2144280001-001
Sales Drawing	2144280001-000



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per - ECHA\_01\_2020 (16 January 2020)

Lead

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

50 Image

Not Relevant

Not Contained

**Search Parts in this Series**

[214428 Series](#)