

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

**Part Number:** [2144151001](#)  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** 2.4GHz Wi-Fi/Bluetooth Hinged External Antenna, with SMA Male Connector, White

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model</a>                                  | <a href="#">Application Specification 2144150001-AS (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                            | <a href="#">Packaging Specification 2128600001-PK1 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                             | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |
| <a href="#">Product Specification 2144150001-PS (PDF)</a> |   |



**General**

|                |   |
|----------------|---|
| Product Family | Antennas  |
| Series         | <a href="#">214415</a>  |
| Component Type | External Antenna  |
| Function       | Signal  |
| Mates With     | SMA Female 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            | 193264434749  |

**Physical**

|                   |                 |
|-------------------|-----------------|
| Length            | 108.40mm        |
| Mounting Style    | N/A             |
| Net Weight        | 7.715/g         |
| Packaging Type    | PET Bag         |
| 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)         | 5.3 @ 2.4 GHz  |
| Return Loss - S11 (dB)  | < -10          |
| Total Efficiency        | >80% @ 2.4 GHz |

**Material Info**

**Reference - Drawing Numbers**

|                           |                |
|---------------------------|----------------|
| Application Specification | 2144150001-AS  |
| Packaging Specification   | 2128600001-PK1 |
| Product Specification     | 2144150001-PS  |
| Sales Drawing             | 2144150001-SD  |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

Lead

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

50 Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[214415 Series](#)