

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

**Part Number:** **2128600011**  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** 2.4GHz / 5GHz Wi-Fi/Bluetooth Hinged External Antenna, with Reverse Polar SMA Male Connector, Black

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model</a>                                  | <a href="#">Application Specification 2128600001-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 2128600001-PS (PDF)</a> |   |



**General**

|                |   |
|----------------|---|
| Product Family | Antennas  |
| Series         | 212860  |
| Component Type | External Antenna  |
| Function       | Signal  |
| Mates With     | Reverse Polar SMA Female Receptacle                         |
| Overview       | Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee |
| Product Name   | 2.4/5GHz Wi-Fi/BT Antenna                                   |
| Protocol       | BT, Wi-Fi   |
| Type           | External Antenna  |
| UPC            | 193264201464  |

**Physical**

|                   |                 |
|-------------------|-----------------|
| Length            | 108.40mm        |
| Mounting Style    | N/A             |
| Net Weight        | 7.125/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                         |
| Band#2 F_End (MHz)      | 5850                         |
| Band#2 F_Start (MHz)    | 5150                         |
| Electrical Connectivity | Cable                        |
| Peak Gain (dBi)         | 4.5 @ 5 GHz, 5.3 @ 2.4 GHz   |
| Return Loss - S11 (dB)  | < -10                        |
| Total Efficiency        | >75% @ 5 GHz, >80% @ 2.4 GHz |

**Material Info**

**Reference - Drawing Numbers**

|                           |                |
|---------------------------|----------------|
| Application Specification | 2128600001-AS  |
| Packaging Specification   | 2128600001-PK1 |
| Product Specification     | 2128600001-PS  |
| Sales Drawing             | 2128600001-SD1 |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per -  
D(2020)4578-DC (25  
June 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**

212860 Series