

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [2144151011](#)
Status: **Active**
Overview: [Internet of Things \(IoT\) Antennas: Wi-Fi, Bluetooth, Zigbee](#)
Description: 2.4GHz Wi-Fi/Bluetooth Hinged External Antenna, with Reverse Polar SMA Male Connector, White

Documents:

| | |
|-----------------------------------------------------------|---------------------------------------------------------------|
| 3D Model | Application Specification 2144150001-AS (PDF) |
| Drawing (PDF) | Packaging Specification 2128600001-PK1 (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification 2144150001-PS (PDF) | |



General

| | |
|----------------|-----------------------------------------------------------------------------|
| Product Family | Antennas |
| Series | 214415 |
| 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 | 2.4GHz Wi-Fi/BT Antenna |
| Protocol | BT, Wi-Fi |
| Type | External Antenna |
| UPC | 193264434756 |

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(2021)4569-DC (8
July 2021)

Lead
Octamethylcyclotetrasiloxane

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](#)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Antennas](#) category:

Click to view products by [Molex](#) manufacturer:

Other Similar products are found below :

[GAN30084EU](#) [930-033-R](#) [GW17.07.0250E](#) [1513563-1](#) [EXE902SM](#) [APAMPG-117](#) [MAF94383](#) [W3908B0100](#) [W6102B0100](#) [YE572113-30RSMM](#) [108-00014-50](#) [66089-2406](#) [SPDA17RP918](#) [W3006VP](#) [A09-F8NF-M](#) [A09-F5NF-M](#) [RGFRA1903041A1T](#) [W3593B0100](#) [W3921B0100](#) [SIMNA-868](#) [SIMNA-915](#) [SIMNA-433](#) [W1044](#) [W1049B090](#) [A75-001](#) [WTL2449CQ1-FRSMM](#) [CPL9C](#) [EXB148BN](#) [0600-00060](#) [TRA9020S3PBN-001](#) [GD5W-28P-NF](#) [MA9-7N](#) [GD53-25](#) [GD5W-21P-NF](#) [EXB144SM](#) [C37](#) [MAF94051](#) [GD35-17P-NF](#) [P1744](#) [MA9-5N](#) [EXD420PL](#) [B1322NR](#) [QWFTB120](#) [MAF94271](#) [MAF94300](#) [GPSMB301](#) [FG4403](#) [AO-AGSM-OM54](#) [5200232](#) [MIKROE-2349](#)