



Part Number : [2144150011](#)
Product Description : 2.4GHz Wi-Fi/Bluetooth
Hinged External Antenna, with Reverse Polar SMA
Male Connector, Black
Series Number : 214415
Status : Active
Product Category : Antennas

Documents & Resources

Drawings

[2144150011_sd.pdf](#)
[2128600001-PK1.pdf](#)

3D Models and Design Files

[STEP AP242](#)
[SOLIDWORKS](#)
[Creo](#)

Specifications

[2144150001-AS.pdf](#)
[2144150001-PS.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Antennas
Series	214415
Description	2.4GHz Wi-Fi/Bluetooth Hinged External Antenna, with Reverse Polar SMA Male Connector, Black
Component Type	External Antenna
Function	Signal
Product Name	2.4GHz Wi-Fi/BT Antenna
Protocol	BT, Wi-Fi
Type	External
UPC	193264434732

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

Physical

Length	108.40mm
Mounting Style	N/A
Net Weight	9.250/g
Packaging Type	PET Bag
Polarization	Linear
Radiation Pattern	Omnidirectional
Width	9.35mm

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	Reverse Polar SMA Female Receptacle

This document was generated on Sep 23, 2025