

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

**Part Number:** [2144141001](#)  
**Status:** **Active**  
**Overview:** Industrial, Scientific and Medical (ISM) Antennas  
**Description:** ISM/DSRC Hinged External Antenna, with SMA Male Connector, White

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model</a>                                  | <a href="#">Application Specification 2144140001-AS (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                             | <a href="#">Packaging Specification 2128600001-PK1 (PDF)</a>  |
| <a href="#">3D Model (PDF)</a>                            | <a href="#">Datasheet (PDF)</a>                               |
| <a href="#">Product Specification 2144140001-PS (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |



**General**

|                |   |
|----------------|---|
| Product Family | Antennas  |
| Series         | <a href="#">214414</a>                            |
| Component Type | External Antenna                                  |
| Function       | Signal  |
| Overview       | Industrial, Scientific and Medical (ISM) Antennas |
| Product Name   | ISM/DSRC Hinged Antenna                           |
| Protocol       | DSRC, ISM   |
| Taxonomy       | Antennas  |
| Type           | External Antenna                                  |
| UPC            | 193264434794                                      |

**Physical**

|                               |                 |
|-------------------------------|-----------------|
| Length                        | 108.40mm        |
| Mounting Style                | N/A             |
| Net Weight                    | 7.715/g         |
| Packaging Type                | Bag             |
| Polarization                  | Linear          |
| Radiation Pattern             | Omnidirectional |
| Temperature Range - Operating | -40° to +85°C   |
| Width                         | 9.35mm          |

**Electrical**

|                         |              |
|-------------------------|--------------|
| Band#1 F_End (MHz)      | 6000         |
| Band#1 F_Start (MHz)    | 5800         |
| Electrical Connectivity | Cable        |
| Peak Gain (dBi)         | 3.9 @ 5 GHz  |
| Return Loss - S11 (dB)  | < -10        |
| Total Efficiency        | >75% @ 5 GHz |

**Material Info**

**Reference - Drawing Numbers**

|                           |                |
|---------------------------|----------------|
| Application Specification | 2144140001-AS  |
| Packaging Specification   | 2128600001-PK1 |
| Product Specification     | 2144140001-PS  |
| Sales Drawing             | 2144140001-SD  |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per -  
D(2022)4187-DC (10  
June 2022)

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**

[214414 Series](#)

**Mates With**

SMA Jack Receptacle