



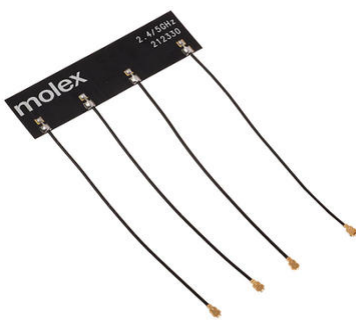
**Part Number :** [2123309100](#)

**Product Description :** Wi-Fi 6E Flex Cabled 4x4 MIMO Automotive Antenna, 100.00mm Cable Length, Compatible with MHF-1 Plug

**Series Number :** 212330

**Status :** Active

**Product Category :** Antennas



## Documents & Resources

### Drawings

[2123309100\\_sd.pdf](#)

[2123309100-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[2123309100-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                               |
| REACH SVHC         | Not Contained per D(2025)4165-DC<br>(25 June 2025)                                                           |
| EU RoHS            | Compliant 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

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Part Details

General

|                |                                                                                                     |
|----------------|-----------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                              |
| Category       | Antennas                                                                                            |
| Series         | 212330                                                                                              |
| Description    | Wi-Fi 6E Flex Cabled 4x4 MIMO Automotive Antenna, 100.00mm Cable Length, Compatible with MHF-1 Plug |
| Component Type | Flexible Antenna with Cable                                                                         |
| Function       | Signal                                                                                              |
| Product Name   | 2.4/5GHz Flexible Antenna                                                                           |
| Protocol       | Wi-Fi                                                                                               |
| Type           | Internal, Wi-Fi Antenna                                                                             |
| UPC            | 195842855625                                                                                        |

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                      |
| Band#3 F_End (MHz)      | 7125                      |
| Band#3 F_Start (MHz)    | 5925                      |
| Electrical Connectivity | Cable                     |
| Peak Gain (dBi)         | See Product Specification |

|                        |                                                                                  |
|------------------------|----------------------------------------------------------------------------------|
| Return Loss - S11 (dB) | (Port 1) < -10, (Port 2) < -10 < -9 < -5,<br>(Port 3) < -10, (Port 4) < -10 < -5 |
| Total Efficiency       | See Product Specification                                                        |

**Physical**

|                   |                 |
|-------------------|-----------------|
| Cable Length      | 100.00mm        |
| Length            | 70.00mm         |
| Mounting Style    | Adhesive        |
| Net Weight        | 1.930/g         |
| Packaging Type    | PET Film        |
| Radiation Pattern | Omnidirectional |
| Width             | 20.00mm         |

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