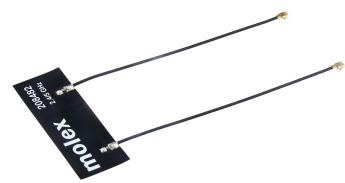




**Part Number :** [2084820100](#)  
**Product Description :** Wi-Fi 6E Flex Cabled 2x2 MIMO Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors  
**Series Number :** 208482  
**Status :** Active  
**Product Category :** Antennas



## Documents & Resources

**Drawings**  
[2084820100\\_sd.pdf](#)  
[2084820100-001.pdf](#)

**3D Models and Design Files**  
[2084820100\\_stp.zip](#)

**Specifications**  
[2084820100-001.pdf](#)  
[2084820100-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant per EU 2015/863                                                             |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

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

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                    |
| Category       | Antennas                                                                                                  |
| Series         | 208482                                                                                                    |
| Description    | Wi-Fi 6E Flex Cabled 2x2 MIMO Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors |
| Component Type | Flexible Antenna with Cable                                                                               |
| Function       | Signal                                                                                                    |
| Product Name   | 2.4/5GHz Flexible Antenna                                                                                 |
| Protocol       | BLE, BT, Thread, Wi-Fi, Zigbee                                                                            |
| Type           | Internal, Wi-Fi Antenna                                                                                   |
| UPC            | 191130083435                                                                                              |

#### Electrical

|                         |                                                              |
|-------------------------|--------------------------------------------------------------|
| Band#1 F_End (MHz)      | 2483.5                                                       |
| Band#1 F_Start (MHz)    | 2400                                                         |
| Band#2 F_End (MHz)      | 5850                                                         |
| Band#2 F_Start (MHz)    | 5150                                                         |
| Electrical Connectivity | Cable                                                        |
| Peak Gain (dBi)         | 2.9 @ 2.4G, 5.0 @ 5G (Port 1), 3.4 @ 2.4G, 5.9 @ 5G (Port 2) |
| Return Loss - S11 (dB)  | < -8 < -13 (Port 1), < -9 < -13 (Port 2)                     |
| Total Efficiency        | 65%@2.4GHz, 75%@5GHz (Port 1), 75%@2.4GHz, 70%@5GHz (Port 2) |

#### Physical

|              |          |
|--------------|----------|
| Cable Length | 100.00mm |
| Length       | 55.20mm  |

|                   |                 |
|-------------------|-----------------|
| Mounting Style    | Adhesive        |
| Net Weight        | 1.339/g         |
| Packaging Type    | PET Film        |
| Polarization      | Linear          |
| Radiation Pattern | Omnidirectional |
| Thickness         | 0.16mm          |
| Width             | 19.20mm         |

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**Mates With / Use With**

**Mates with Part(s)**

|                                                                         |                  |
|-------------------------------------------------------------------------|------------------|
| Description                                                             | Part Number      |
| 50 Ohms, MCRF, PCB Vertical Jack Receptacle, SMT, 1.25mm Mounted Height | <u>734120110</u> |