**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 and Resources

### Drawings

2084820100_sd.pdf

2084820100-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

### Specifications

2084820100-001.pdf

2084820100-000.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 | Not Contained per D(2025)4165-DC (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 | 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 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| MCRF Jack, Straight, PCB Receptacle, Surface Mount, 1.25mm Mounted Height, 50 Ohms | 734120110 |