



**Part Number :** [2042811150](#)  
**Product Description :** Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 150.00mm Cable Length, Compatible with I-PEX MHF4 Connectors  
**Series Number :** 204281  
**Status :** Active  
**Product Category :** Antennas



Documents & Resources

**Drawings**  
[2042811150\\_sd.pdf](#)  
[2042810100-PK.pdf](#)

**3D Models and Design Files**  
[2042811150\\_stp.zip](#)

**Specifications**  
[2042810100-AS.pdf](#)  
[2042810100-PS.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         | Contains 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one per D(2024)6225-DC (07 Nov 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         | 204281                                                                                                       |
| Description    | Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 150.00mm Cable Length, Compatible with I-PEX MHF4 Connectors |
| Component Type | Flexible Antenna with Cable                                                                                  |
| Function       | Signal                                                                                                       |
| Product Name   | 2.4/5GHz Wi-Fi Antenna                                                                                       |
| Protocol       | BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee                                                                |
| Type           | Internal, Wi-Fi Antenna                                                                                      |
| UPC            | 191128462532                                                                                                 |

#### 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)         | 1.8 @ 2.4 GHz, 3.1 @ 5 GHz   |
| Return Loss - S11 (dB)  | < -10                        |
| Total Efficiency        | >63% @ 2.4 GHz, >66% @ 5 GHz |

#### Physical

|              |          |
|--------------|----------|
| Cable Length | 150.00mm |
|--------------|----------|

|                   |                 |
|-------------------|-----------------|
| Length            | 35.00mm         |
| Mounting Style    | Adhesive        |
| Net Weight        | 0.785/g         |
| Packaging Type    | PET Film        |
| Polarization      | Linear          |
| Radiation Pattern | Omnidirectional |
| Thickness         | 0.10mm          |
| Width             | 11.00mm         |