



**Part Number :** [2042811100](#)

**Product Description :** Wi-Fi 6E Flex Cabled Side-Fed  
Balanced Antenna, 100.00mm Cable Length,  
Compatible with I-PEX MHF4 Connectors

**Series Number :** 204281

**Status :** Active

**Product Category :** Antennas



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## Documents and Resources

### Drawings

[2042811100\\_sd.pdf](#)

[2042810100-PK.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications


[2042810100-AS.pdf](#)

[2042810100-PS.pdf](#)

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## 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	Contains 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one per D(2025)7771-DC (04 Feb 2026) SCIP:613857a6-beba-4d6a-902f-f422e037013e

EU RoHS	Compliant per EU 2015/863
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### 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

## Part Details

### General

Status	Active
Category	Antennas
Series	204281
Description	Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 100.00mm 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	191128462525

### 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)	2.0 @ 2.4 GHz, 3.3 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>65% @2.4 GHz, >68% @ 5 GHz

## Physical

Cable Length	100.00mm
Length	35.00mm
Mounting Style	Adhesive
Net Weight	0.635/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	11.00mm

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