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

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- 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	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

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	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

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