



Part Number : [2069940100](#)

Product Description : Wi-Fi 6E Flex Cabled Side-Fed Antenna, 6.40mm Width, 15.40mm Cable Length, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Series Number : 206994

Status : Active

Product Category : Antennas



Documents & Resources

Drawings

[2069940100 sd.pdf](#)

[2069940100-PK.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Specifications

[2069940100-AS.pdf](#)

[2069940100-PS.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(2024)7663-DC (21 Jan 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

Part Details

General

Status	Active
Category	Antennas
Series	206994
Description	Wi-Fi 6E Flex Cabled Side-Fed Antenna, 6.40mm Width, 15.40mm Cable Length, 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	191128861236

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)	3.6 @ 5 GHz
Return Loss - S11 (dB)	< -10, < -5
Total Efficiency	>55% @2.4 GHz, >70% @ 5 GHz

Physical

Cable Length	100.00mm
Length	15.40mm
Mounting Style	Adhesive
Net Weight	0.571/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.15mm
Width	6.40mm

Mates With / Use With

Mates with Part(s)

Description	Part Number
MCRF Jack, Straight, PCB Receptacle, Surface Mount, 1.25mm Mounted Height, 50 Ohms	<u>734120110</u>