



**Part Number :** [1461850050](#)  
**Product Description :** Cellular Quad-band Flex Antenna, 15.00mm Width, 50.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors  
**Series Number :** 146185  
**Status :** Active  
**Product Category :** Antennas



Documents & Resources

**Drawings**  
[1461850050\\_sd.pdf](#)  
[1461850100-000.pdf](#)

**3D Models and Design Files**  
[1461850050\\_stp.zip](#)

**Specifications**  
[AS-146185-100-001.pdf](#)  
[PS-146185-100-001.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	Not Contained per D(2024)7663-DC (21 Jan 2025)
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	146185
Description	Cellular Quad-band Flex Antenna, 15.00mm Width, 50.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Name	Multi-band Cellular-Wi-Fi
Protocol	Cellular
Type	Cellular Antenna, Internal
UPC	889056549622

#### Electrical

Band#1 F_End (MHz)	960
Band#1 F_Start (MHz)	824
Band#2 F_End (MHz)	2700
Band#2 F_Start (MHz)	1710
Band#3 F_End (MHz)	6000
Band#3 F_Start (MHz)	3000
Electrical Connectivity	Cable
Peak Gain (dBi)	1.6 @ 824 MHz, 3.4 @ 1710 MHz, 4.2 @ 3 GHz
Return Loss - S11 (dB)	< -4, < -6
Total Efficiency	>65% @ 824 MHz, >72% @ 1710 MHz, >74% @ 3 GHz

#### Physical

Cable Length	50.00mm
Length	84.00mm
Mounting Style	Adhesive
Net Weight	0.792/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	15.00mm

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
50 Ohms, MCRF, PCB Vertical Jack Receptacle, SMT, 1.25mm Mounted Height	<u>734120110</u>

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