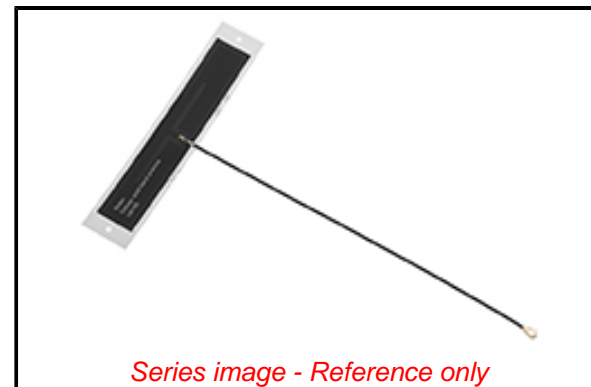


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **1461850100**  
**Status:** **Active**  
**Overview:** LTE Cellular Antennas  
**Description:** Cellular Quad-band Flex Antenna, 15.00mm Width, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-146185-100-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification 1461850100-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification PS-146185-100-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**General**

Product Family	Antennas
Series	146185
Component Type	Flexible Antenna with Cable
Function	Signal
Mates With	734120110 Microcoaxial RF, 50 Ohm
Overview	<u>LTE Cellular Antennas</u>
Product Name	Multi-band Cellular-Wi-Fi
Protocol	Cellular
Type	Cellular Antenna
UPC	889056549660

**Physical**

Cable Length	100.00mm
Length	84.00mm
Mounting Style	Adhesive
Net Weight	0.945/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	15.00mm

**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)	1.5 @ 824 MHz, 3.2 @ 1710 MHz, 4.0 @ 3 GHz
Return Loss - S11 (dB)	< -4, < -6
Total Efficiency	>64% @ 824 MHz, >70% @ 1710 MHz, >70% @ 3 GHz

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-146185-100-001
Packaging Specification	1461850100-000
Product Specification	PS-146185-100-001
Sales Drawing	SD-146185-050-001

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

146185 Series

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