

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

**Part Number:** [2069950150](#)  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** 2.4GHz / 5GHz Wi-Fi PCB Antenna for Metal Surfaces, 20.50mm Width, 150.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors  
**Replacement Part Number :** <http://www.molex.com/molex/search/partSearch?pQuery=&sType=p&query=21406101502140610150>

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 2069950150-AS (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 2069950150-PK (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 2069950150-PS (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	Antennas
Series	<a href="#">206995</a>
Comments	Size of replacement part <a href="#">2140610150</a> is slightly smaller, feed point from middle to corner
Component Type	PCB Antenna with Cable
Function	Signal
Mates With	<a href="#">734120110</a> Microcoaxial RF, 50 Ohm
Overview	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Product Name	2.4/5GHz PCB Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Replacement Part Number	<a href="#">2140610150</a>
Replacement Part Number	see comments below
Type	Wi-Fi Antenna
UPC	191130042098

**Physical**

Cable Length	150.00mm
Length	20.50mm
Mounting Style	Adhesive
Net Weight	3.348/g
Packaging Type	Tray
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	3.00mm
Width	20.50mm

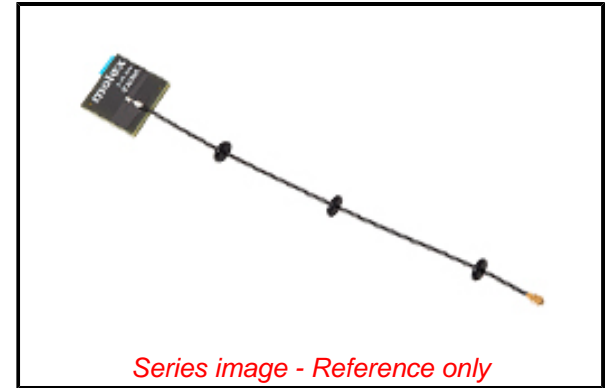
**Electrical**

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)	2.6 @ 2.4 GHz, 3.4 @ 5 GHz
Return Loss - S11 (dB)	< -10, < -8.5
Total Efficiency	>55% @2.4 GHz, >71% @ 5 GHz

**Material Info**

**Reference - Drawing Numbers**

Application Specification	2069950150-AS
Packaging Specification	2069950150-PK
Product Specification	2069950150-PS



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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**

[206995](#) Series

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