

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

**Part Number:** [1461860200](#)  
**Status:** **Active**  
**Overview:**  
**Description:** Wi-Fi 6E+GNSS Flex Cabled Balanced Antenna, 18.00mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

**General**

Product Family	Antennas
Series	<a href="#">146186</a>
Component Type	Flexible Antenna with Cable
Function	Signal
Mates With	<a href="#">734120110</a> Microcoaxial RF, 50 Ohm
Overview	wifi_and_bluetooth_antennas
Product Name	2.4/5GHz GPS-Wi-Fi Antenna
Protocol	BeiDou, BLE, BT, Galileo, GLONASS, GPS, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Combo Wi-Fi/GNSS Antenna
UPC	889056433631

**Physical**

Cable Length	200.00mm
Length	53.00mm
Mounting Style	Adhesive
Net Weight	1.182/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	18.00mm

**Electrical**

Band#1 F_End (MHz)	1602
Band#1 F_Start (MHz)	1575.42
Band#2 F_End (MHz)	2483.5
Band#2 F_Start (MHz)	2400
Band#3 F_End (MHz)	5850
Band#3 F_Start (MHz)	5150
Band#4 F_End (MHz)	6000
Band#4 F_Start (MHz)	3000
Electrical Connectivity	Cable
Peak Gain (dBi)	2.7 @ 1575 MHz, 2.7 @ 2.4 GHz, 3.5 @ 5 GHz, 4.2 @ 3 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>62% @ 5 GHz, >65% @ 1575 MHz, >70% @ 2.4 GHz, >71% @ 3 GHz

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-146186-100-001
Packaging Specification	1461860100-000
Product Specification	PS-146186-100-001
Sales Drawing	SD-146186-050-001

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)10043-DC (17  
Jan 2022)

**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**

[146186](#) Series