



Status: ✖ Obsolete

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PART NUMBER:

# 2030070001

GNSS/Wi-Fi Combo Ceramic Antenna

Series: [203007](#)

Replacement: Contact Molex

Category: Antennas

Overview: [Internet of Things \(IoT\)](#), [Antennas: Wi-Fi, Bluetooth, Zigbee](#)



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 [Engineering Documents](#)  [Environmental](#)  [Part Details](#)

## Engineering Documents

Sales Drawings, 3D Models, and Brochures:

## Product Environmental Compliance

### Compliance:

EU ELV: Not Relevant

EU RoHS: Compliant

China RoHS:



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

Low-Halogen Status: Low-Halogen

### Documents:

[EU RoHS Certificate of Compliance \(PDF\)](#)

[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)

View Molex Environmental Position Statements: [Click here](#)

Request Molex's CMRT from [conflictminerals@molex.com](mailto:conflictminerals@molex.com)



## Part Details

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### General

Status	Obsolete
Category	Antennas
Series	203007
Component Type	Surface Mount Device Antenna
Function	Signal
Overview	<a href="#">Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee</a>
Product Name	GNSS/Wi-Fi Combo Ceramic
Protocol	BeiDou, BLE, BT, Galileo, GLONASS, GPS, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Combo Wi-Fi/GNSS Antenna
UPC	191128401975

### Physical

Cable Length	N/A
Length	3.20mm
Mounting Style	Surface Mount
Net Weight	0.029/g
Packaging Type	Embossed Tape on Reel
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	1.10mm
Width	1.60mm

### Electrical

(Please review the [Product Specification](#) for specific details.)

Band#1 F_End (MHz)	1602
Band#1 F_Start (MHz)	1561
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
Element Configuration	QMS

Electrical Connectivity	SMD
Peak Gain (dBi)	-0.3 @ 1602 MHz, 0.6 @ 2.4 GHz, 0.9 @ 1561 MHz, 1.0 @ 1575 MHz, 1.0 @ 5 GHz
Return Loss - S11 (dB)	< -10, < -5.5, < -6
Total Efficiency	>50% @ 1602 MHz, >50% @ 5 GHz, >55% @ 1561 MHz, >55% @ 1575 MHz, >55% @ 2.4 GHz

Do you have any questions?

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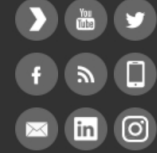
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