

# High-accuracy Stacked Patch GNSS Antenna

**molex**

High-accuracy Stacked Patch GNSS Antennas offer superior signal processing and GPS accuracy for high precision tracking applications such as UAVs, drones, and vehicle tracking and real time kinematic (RTK) systems

## Features and Advantages

### Stacked-patch single feed

Eliminates the need for a separate base station

### Silver pin

Positions and fixes the antenna to the PCB (via soldering); provides electrical contact between the antenna and the board

### High-precision tracking

Allows decimeter-level to sub-meter-level accuracies for geospatial data



GPS L1/L5 & GLONASS 36mm  
Stacked Patch Single Feed Antenna  
(Series 211624)

### Ceramic patch antenna

Delivers high-gain, high-radiation efficiency performance for the most demanding GPS applications



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### Low-profile design

Affords space savings



## Applications

### Automotive

Navigation devices

### Commercial Vehicles

High-speed rail

### Industrial

Drones

Maritime port technology systems

Surveying and mapping systems

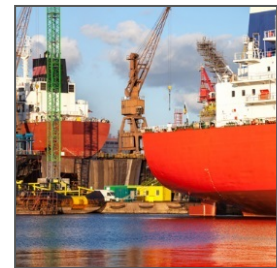
Emergency response systems



Automotive



Drones



Maritime Port Technology  
Systems

# High-accuracy Stacked Patch GNSS Antenna



## Specifications

### REFERENCE INFORMATION

Packaging: Tray  
Designed In: Millimeters  
RoHS: Yes  
Halogen Free: Yes

### ELECTRICAL

RF Power (watt): 2  
Average Total Radiation Efficiency:  
L5: >60%  
L1: >75%  
GLONASS: >70%  
Peak Gain:  
L5: 2.1dBi  
L1: 4.5dBi  
GLONASS: 4.2dBi  
Return Loss: <-10dB  
Input Impedance (ohms): 50

### MECHANICAL

Refer to Product Specifications

### PHYSICAL

Housing: Ceramic  
Plating: Refer to Sales Drawings  
Material: Ceramic  
Dimension (mm): 36.00 by 36.00 by 7.00  
Operating Temperature: -40 to +85°C

## Ordering Information

Series No.	Description	Mounting Style
<a href="#">211624</a>	GPS L1/L5 & GLONASS 36mm Stacked Patch Single-Feed Antenna	Peel-and-stick