Grove - GPS (Air530)

SKU 109020022

Grove-GPS (Air530) is a high-performance, highly integrated multi-mode satellite positioning and navigation module, supporting plenty of location systems, such as GPS/Beidou/Galileo and etc.

PRODUCT DETAILS

Feature

- Cost-effective
- Highly integrated Multi-mode satellite positioning and navigation
- Compact size for easy deployment
- Low power consumption

Description

Confused about your GPS not working well in urban or outsides under only one or a few satellite module? Then you should not miss our new Grove-GPS (Air530). It's a high-performance, highly integrated multi-mode satellite positioning and navigation module. It supports GPS / Beidou / Glonass / Galileo / QZSS / SBAS, which makes it suitable for GNSS positioning applications such as car navigation, smart wear and drone.

Specification

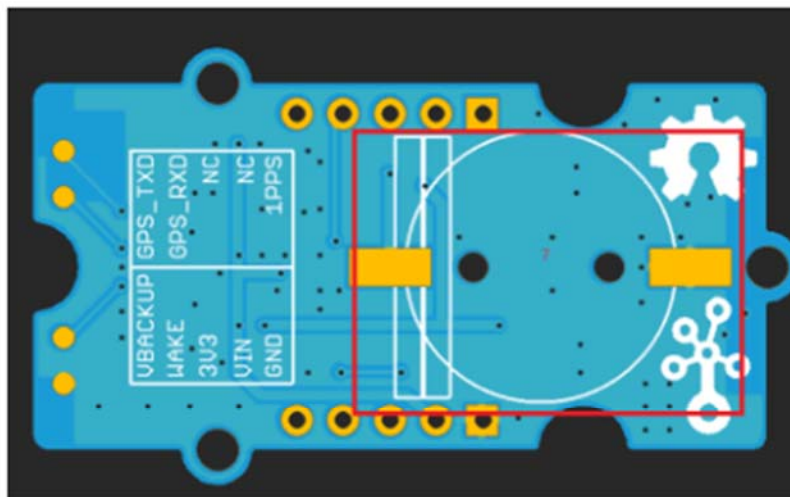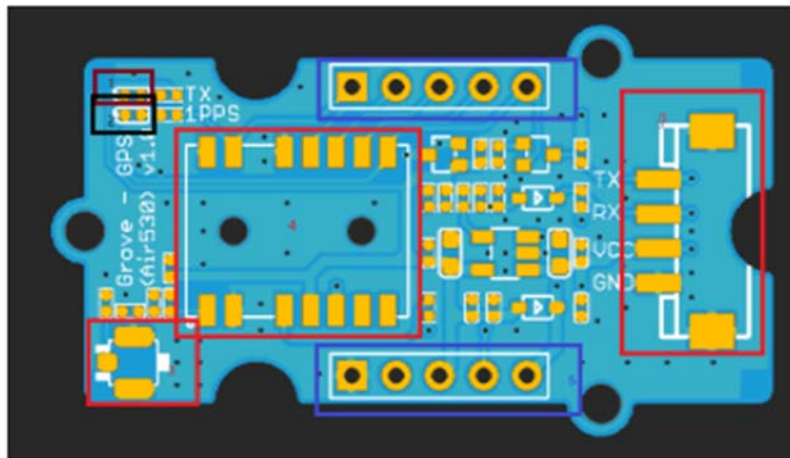| Parameters	Values
Supply voltage	3.3V/5V
Working current	up to 60mA
Interface	UART
Time of warm start	4s
Time of cold boot	30s

Part list

Items	Values
GPS (Air 530) board	1
Grove cable	1

Applications

- GPS tracker
- GPS navigation
- Distance measurement

Pinout

1. AIR530 TX Indicator (BLUE LED);
2. 1PPS Indicator (GREEN LED);
3. U.FL Antenna Interface;
4. AIR530 Module;
5. Grove Interface;
6. AIR530 Headers;
7. 3V Button Battery (CR1220).

Cautions

- The input power supply voltage of Grove power supply interface, should not exceed 5.6V, otherwise it may damage the device.
- The voltage of the selected button battery should not exceed 3V, or it will probably damage the device.

What is Grove?

Grove makes it easier to connect, experiment, and simplify the prototyping process. No jumpers or soldering required. We have developed more than 300 Grove modules, covering a wide range of applications that can fulfil a variety of needs. Not only are these open hardware, but we also have open-source software.

Note

For all Grove users (especially beginners), we provide you with the guidance of operation. Please read the instructions through the official website before your using the product.

ECCN/HTS

HSCODE	8526919090
UPC	