Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Waveshare NEO-7M-C (B) GPS Module

Product ID: **28511**

The Waveshare NEO-7M-C (B) GPS Module provides location, heading, and speed data for your microcontroller projects, sporting flexible features in a compact package.

It comes with a high-gain active antenna, but also includes an IPX interface for connecting a different active antenna of your choosing. A rechargeable backup battery will hold data when powered down, but perhaps more importantly it supports hot starts for a fast satellite lock time.

A 5-wire cable with a SIP socket on one end and individual sockets on the other makes it easy to connect the Waveshare NEO-7M-C GPS Module to your project in many different configurations. Or, simply plug the module's SIP header into a standard breadboard.

Features

- 5-pin SIP module with cable is easy to use in breadboard or through-hole projects
- Ready for use with both 3.3 V and 5 V microcontrollers
- Satellite-lock LED shows when data is valid
- Onboard battery provides a fast warm-start response
- Code support in Blockly, PBASIC (BS2p), Propeller Spin, and Propeller C

Application Ideas

- Robo-Magellan projects
- Fleet tracking
- Heading and speed measurements

Specifications

- Channels: 56
- Horizontal position accuracy: 2.5 meter CEP
- Navigation update rate: 1 Hz default, 5 Hz max.
- Voltage requirements: 2.7 to 5 VDC
- Current requirements: 35 mA
- Communication: NMEA 9600 baud (default) or UBX Binary
- PCB Dimensions: 1 x 1.5 x in (26 x 38 x cm)
- Operating temperature range: -40 to +185 °F (-40 to +85 °C)

https://www.parallax.com/product/28511 3-16-18