

SparkFun will be closed Dec 24th and Dec 25th in observance of the Christmas Holiday. Thanks for your support!

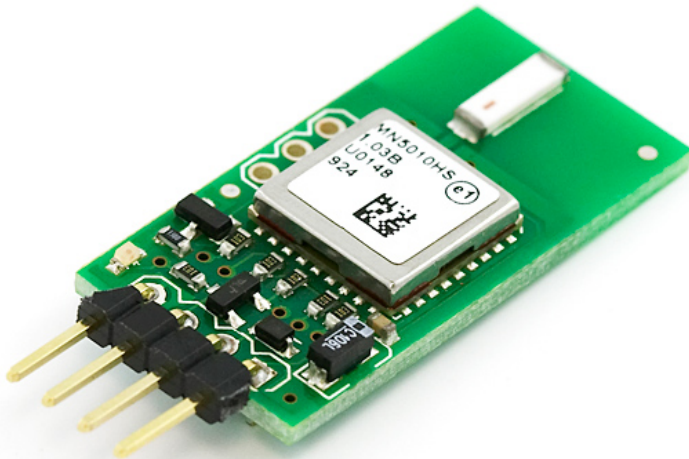


### Retired Product

This product has been **retired** from our catalog and is no longer for sale. This page is made available for those looking for datasheets and the simply curious.

## GPS Micro-Mini

GPS-08936 ROHS✓



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**Description: Replacement:** None. This module has been retired and there is no direct replacement. This page is for reference only.

This is a tiny GPS module that uses the MN5010HS module in conjunction with a GPS chip antenna. Built in LNA makes for reliable locks from satellites. Selectable baud rate and NMEA and SiRF outputs from a jumper on the back of the board. Comes with all relevant pins broken out, including a VCC, RX, TX, and GND header for an easy plug in connection to our FTDI USB to Serial board.

The MN5010HS has the same size and similar footprint to the MN1010. The MN5010HS has improved sensitivity, an integrated LNA, built-in RTC, and integrated single power supply making it very simple to use.

**Note:** To send a NMEA command to the module, you need to send a `\r\n` or hit Ctrl-Enter to send the command from a terminal program.

Check out our GPS buying guide!

### Features:

- 20 channel tracking
- SiRF III based chipset
- 1Hz update rate
- Integrated LNA
- Single 3.30-5.5V supply
- 3.3VDC TTL serial interface
- Selectable 4800bps NMEA (default), 57600bps SiRF and NMEA.
- Power: 36mA @ 1.8V
- Sensitivity: -159dBm
- Accuracy: <3m
- Hot start: 1 Seconds
- Cold Start: 35 Seconds
- Supports SBAS (WAAS, EGNOS, MSAS)
- LED toggles during a lock

### Documents:

- Schematic
- Eagle Files
- MN5010 Datasheet
- MN5010 Design Guidelines
- Software Guide
- SiRF NMEA Reference Manual
- MN5010 Homepage

**Dimensions:** 0.6x1.3"

## Recommended Products

PAGE 1 OF 2



🔥 SPARKFUN RECOMMENDED  
SparkFun USB to Serial Breakout -  
FT232RL

🔗 BOB-12731

**\$14.95**

★★★★☆ 5



🔥 SPARKFUN RECOMMENDED  
Polymer Lithium Ion Battery - 110mAh

🔗 PRT-00731

**\$6.95**

★★★★☆ 6