

PiLoT GPS Module

Features / Technical Specifications

- GPS Extension Module for the PiLoT Mainboard
- Power Consumption: 20mA tracking, 25 mA acquisition
- 210 PRN channels
- 66 search channels
- 22 simultaneous tracking channels
- Supports various location and navigation applications, including autonomous GPS, QZSS, SBAS (WAAS, EGNO, GAGAN, MSAS), AGPS.
- Ultra-High Sensitivity: -165dBm (w/o patch antenna), up to 45dB C/N of SVs in open sky reception.
- High Update Rate: up to 10Hz
- AGPS Support for fast TTFF (EPO™ 7/14 days)
- Built-in 15X15X2.5mm ceramic patch antenna
- Microcoaxial antenna jacket - Molex 0734120110
- Size: 36.6mm x 29.8mm (1.441in x 1.173in)

Applications

- Global positioning
- clock synchronization



GPS module with internal antenna and external antenna connector (GPSA001)



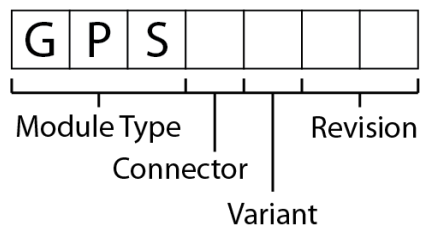
Tutorials

We have a list of tutorials for many different applications online, including remote-control through a web-interface and SMS notifications.

Please visit www.amescon.com/tutorials and get started!



Product Reference Guide (SKUs)



Connector

N	No external GPS Antenna connector
A	External GPS Antenna connector

Variant

0	Standard Variant
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Revision

01	First Revision (PCB rev 1)
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Available PCB Variants

Connector	Variant	Revision	Documentation
N	0	01	No external GPS Antenna connector
A	0	01	External GPS Antenna connector



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