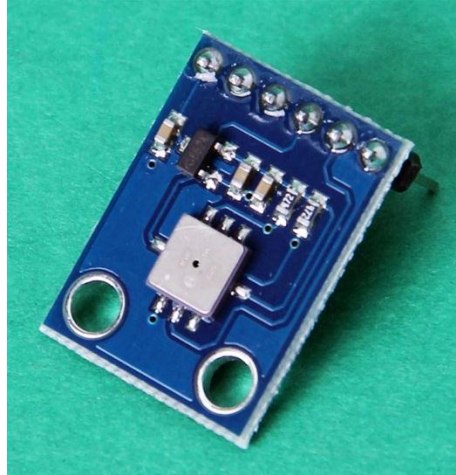


Atmospheric Pressure Altimeter Module

Model: BMP085 Module GY-65



Details:

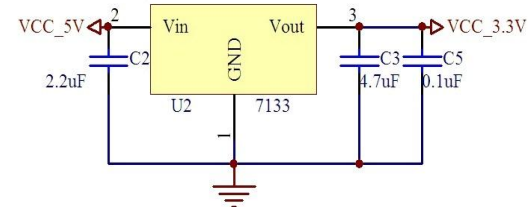
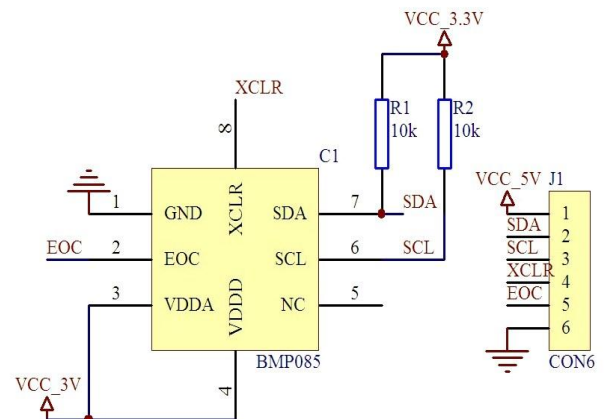
BMP085 chip with built-in AD converter using IIC communication protocol. This 3-5V high-precision, ultra-low power consumption sensor can be used in mobile devices. The lowest absolute accuracy can reach 0.03hPa, and the power consumption is very low, at only 3 μ A. BMP085's powerful 8-pin ceramic leadless chip carrier (LCC) is an ultra-thin package and can be connected directly with a variety of microprocessors via an I2C bus.

Features:

- Pressure range: 300 - 1100hPa (~ altitude 9000 - 500m)
- Supply voltage: VDDA: 1.8V-3.6V, VDDD 1.62V-3.6V
- Low consumption: 5uA in standard mode
- High precision: low-power mode resolution of 0.06hPa (0.5 m)
- High linear mode resolution of 0.03hPa (0.25 meters)
- Temperature output
- I2C interface
- MSL 1
- Temperature compensation
- Response time: 7.5ms
- Standby current: 0.1uA
- Does not need external clock
- Size: 5.0mm x 5.0mm x 1.2mm

Applications

- GPS pinpoint navigation (dead reckoning, fluctuation bridge detection)
- Indoor and outdoor navigation
- Detection for entertainment, sports, health care
- Weather forecast
- Vertical speed instruction (rise/sink speed)
- Fan power control



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