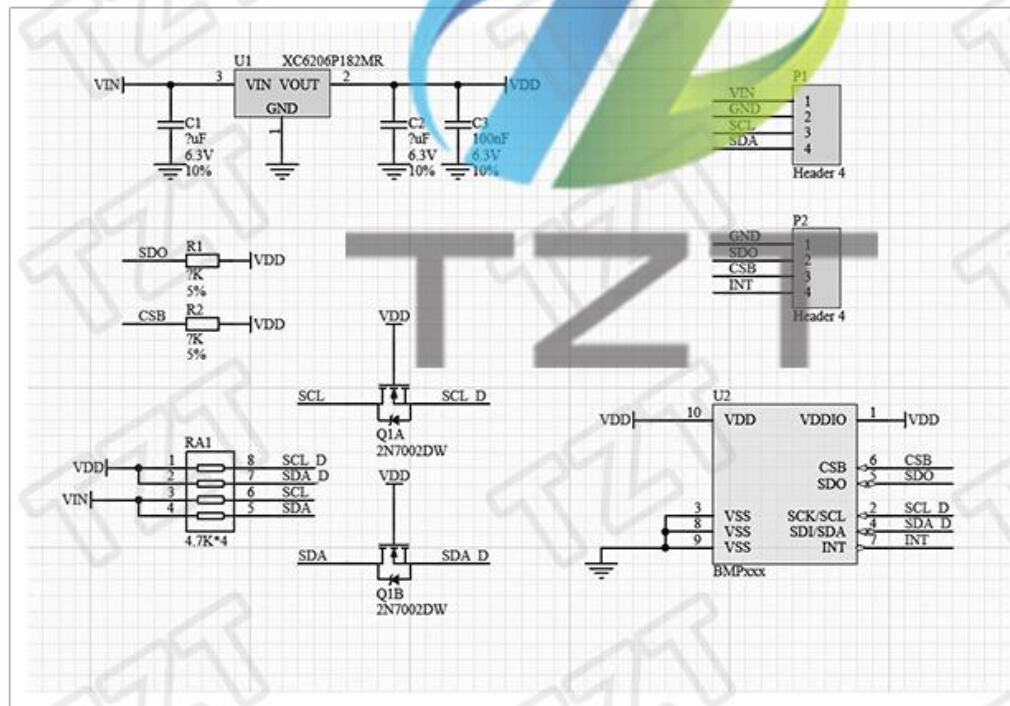
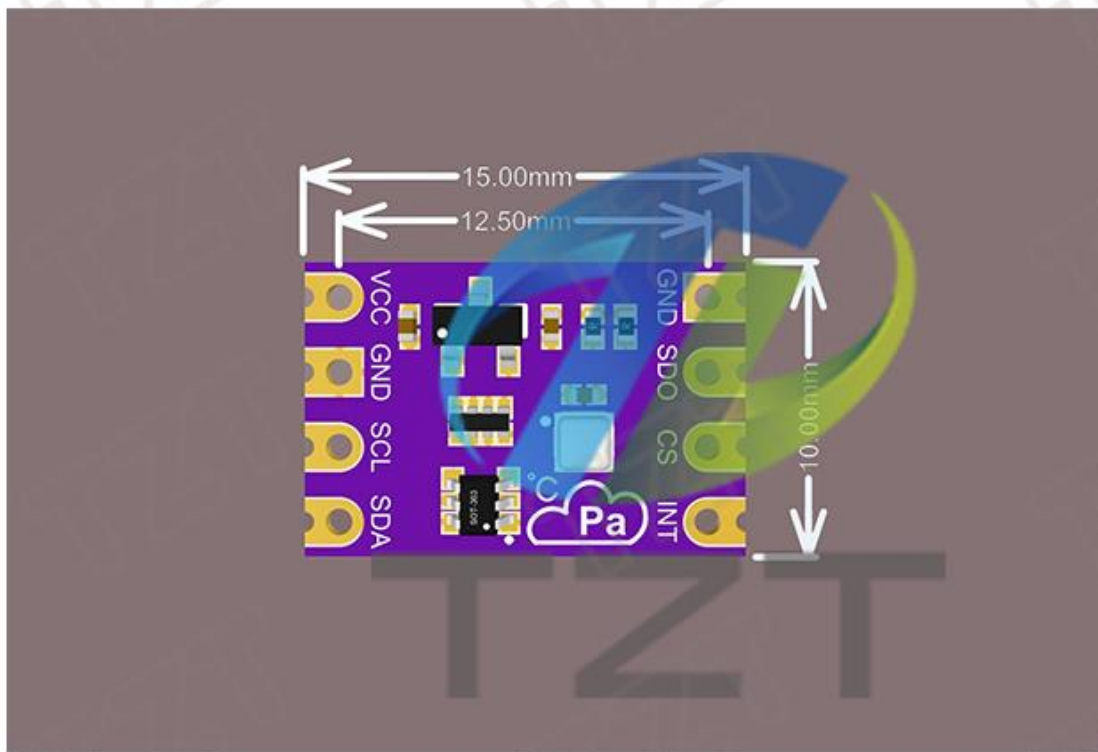


DESCRIPTION

BMP580 is a high-precision, compact, and ultra-low energy pressure sensor that can be used in mobile devices. It has excellent performance, with a minimum absolute accuracy of $\pm 0.5\text{hPa}$ and low electrode consumption of only $2.7\ \mu\text{A}$. BMP580 adopts LGA-10 ultra small package and can be directly connected to various microprocessors through I2C and SPI buses.

SCHEMATIC DIAGRAM





MAIN FEATURES

Pressure range: 30~1250hPa (altitude 9000 meters~-500 meters);

Module power supply voltage: 2.0V-5.5V;

Module size: 15 * 10mm;

Low power consumption: 2.7 μ A;

High precision: In low-power mode, the resolution is 0.06hPa (0.5 meters);

In high linearity mode, the resolution is 0.5hPa;

Temperature output;

I2C interface, SPI interface;

Temperature compensation;

No external clock circuit is required.

TYPICAL APPLICATIONS

GPS precise navigation (dead reckoning, bridge detection, etc.);

Indoor and outdoor navigation;

Monitoring of leisure, sports, and medical health;

Weather forecast;

Vertical speed indication (ascending/descending speed);

Fan power control.

Weight : 1.30g