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Barometric Pressure Sensor
Evaluation Board: MEX-1031

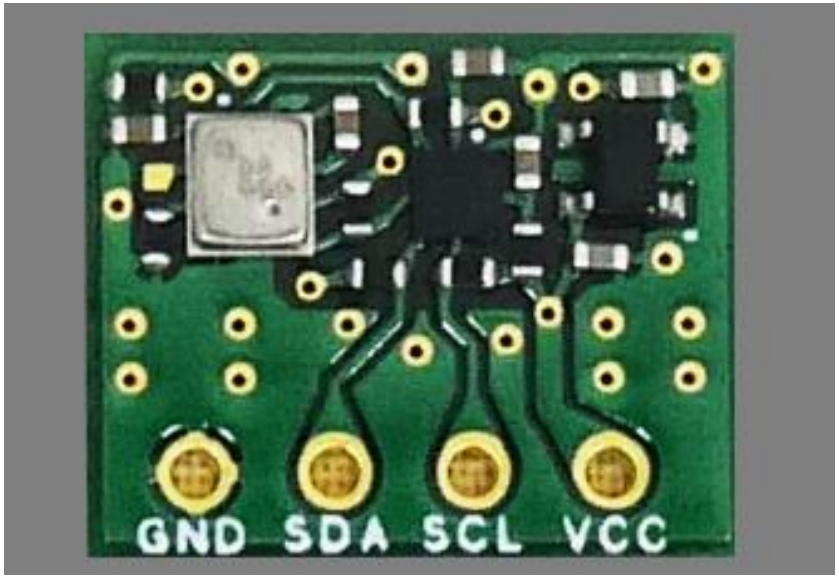
Quick Start Guide

Barometric Pressure Sensor Evaluation Board: MEX-1031

- This Evaluation Board will support you to study and check how our barometric pressure sensor(ZPA2326-0311A) works and its performance.

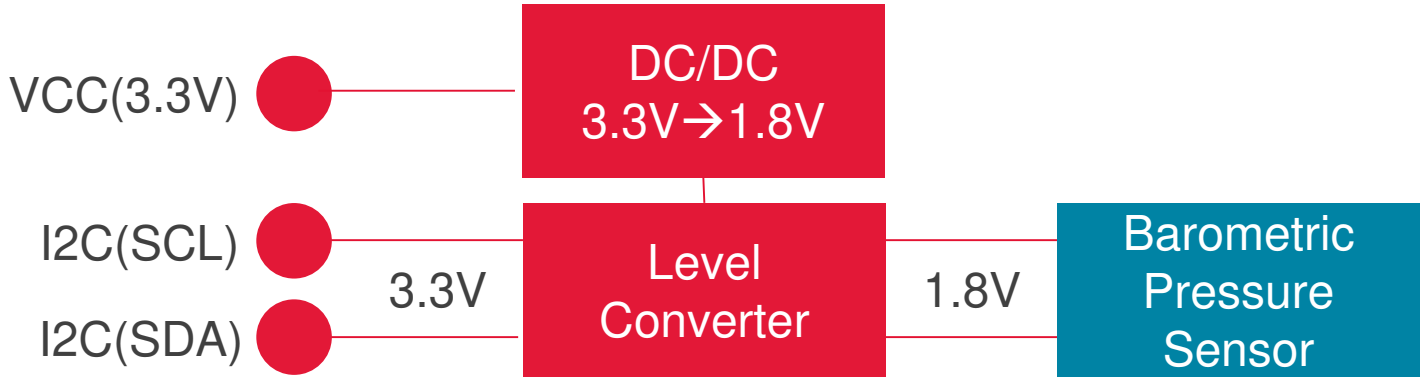
  - Specifications
    - Rated Voltage : 3.3V
    - Output signal : I2C
    - Dimension : 12.5×8mm

Quick Start Guide : Barometric Pressure Sensor



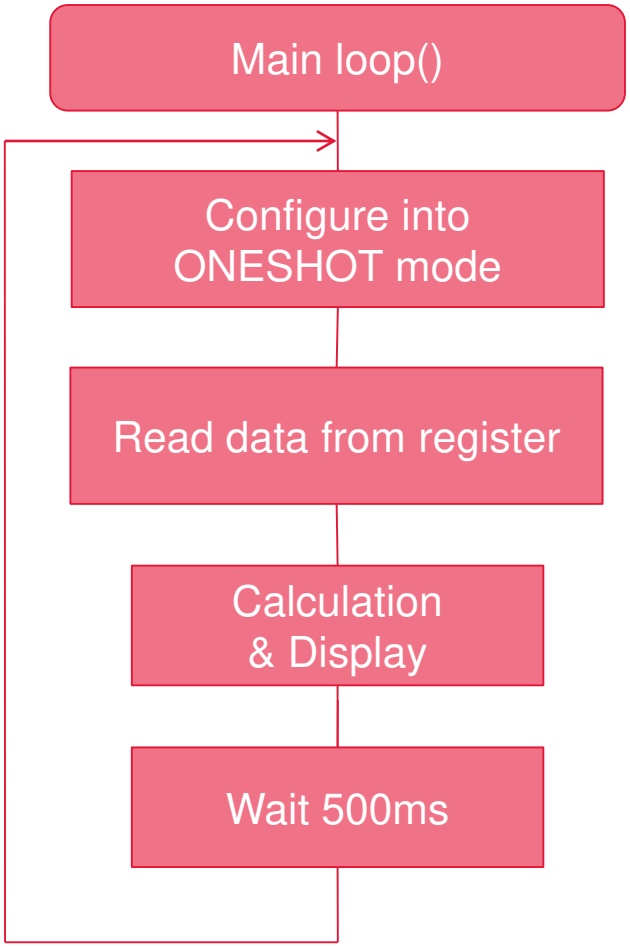
Barometric Pressure sensor device is capacitive type MEMS device combined with ASIC with I2C interface. Since its voltage level is 1.8V, there's level converter on this board, which enables user to connect directly to 3.3V system.

Via I2C, we can obtain barometric pressure and temperature info as well.



Software Operation

For operation modes and I2C commands, please refer to specsheet.
In our sample code, we operate it in one-shot mode and obtain air pressure and temperature twice a second.



Pin Connection

Pin connection to each CPU board is also instructed in sample code.

Evaluation Board	←→	Arduino UNO
VCC		3.3V
SCL		A5
SDA		A4
GND		GND