Treehopper

SDA (Pin 3)

SCL (Pin 4)

IMU

Pressure Sensor

DAC

VDD
(usually 3.3V)

I2c.ReadWrite(Address, WriteData)

| S | A6 | A5 | A4 | A3 | A2 | A1 | A0 | 0 | ACK | D7 | D6 | D5 | D4 | D3 | D2 | D1 | D0 | ACK | P |

ReadData = I2c.ReadWrite(Address, WriteData, 2)

| S | Address | 0 | ACK | WriteData | ACK | S | Address | 1 | ReadData | ACK | ReadData | ACK | P |