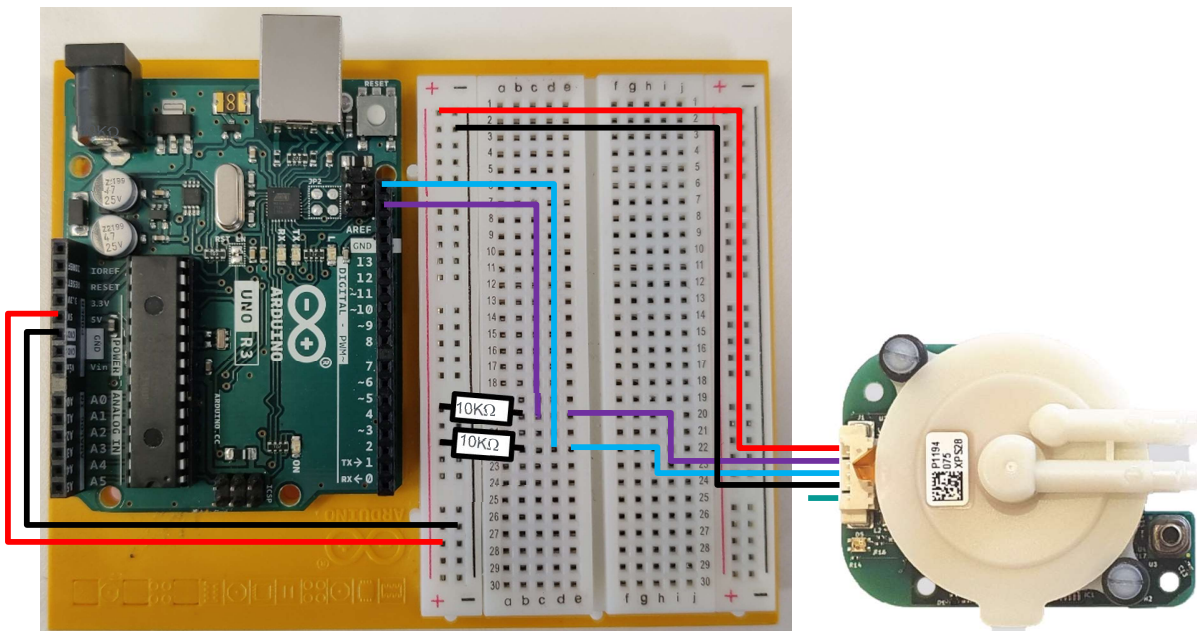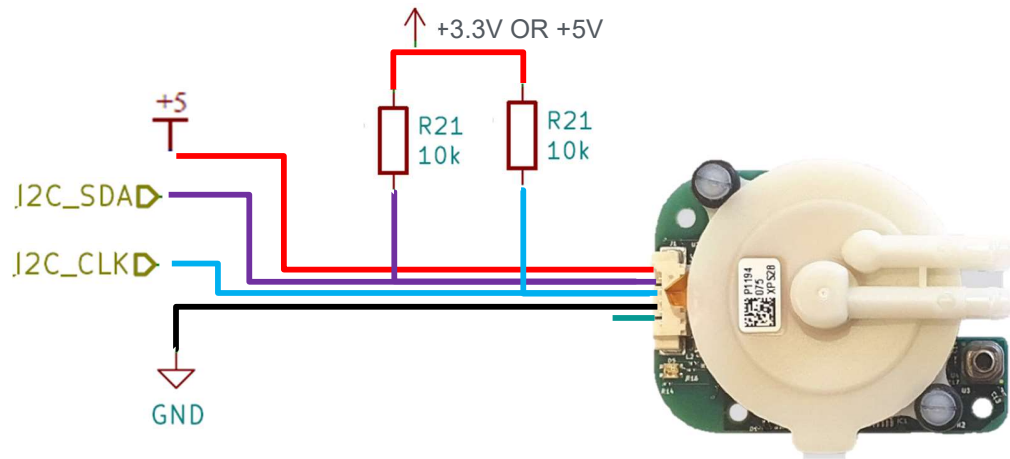# SPM I2C UART ARDUINO WIRING DIAGRAM

1. Smart Pump Module (SPM) over I2C

Connect the following:

- SPM pin 1 (VCC)   – Arduino 5V pin (Red)
- SPM pin 2 (I2C SDA)   – Arduino SDA pin (Purple)
- SPM pin 3 (I2C SCL)   – Arduino SCL pin (Light blue)
- SPM pin 4 (GND)   – Arduino GND pin (Black)
- SPM pin 5 (Analog in) – Not connected
- 10kOhm pull-up resistors to 3.3/5V (Arduino Uno requires 5V) on both the SDA and SCL lines. I2C operates on open drain and requires these pull-up resistors.

Pin 1

Pin 5