BME680
VDD: 1.71-3.6 V
VDDIO: 1.2-3.6 V
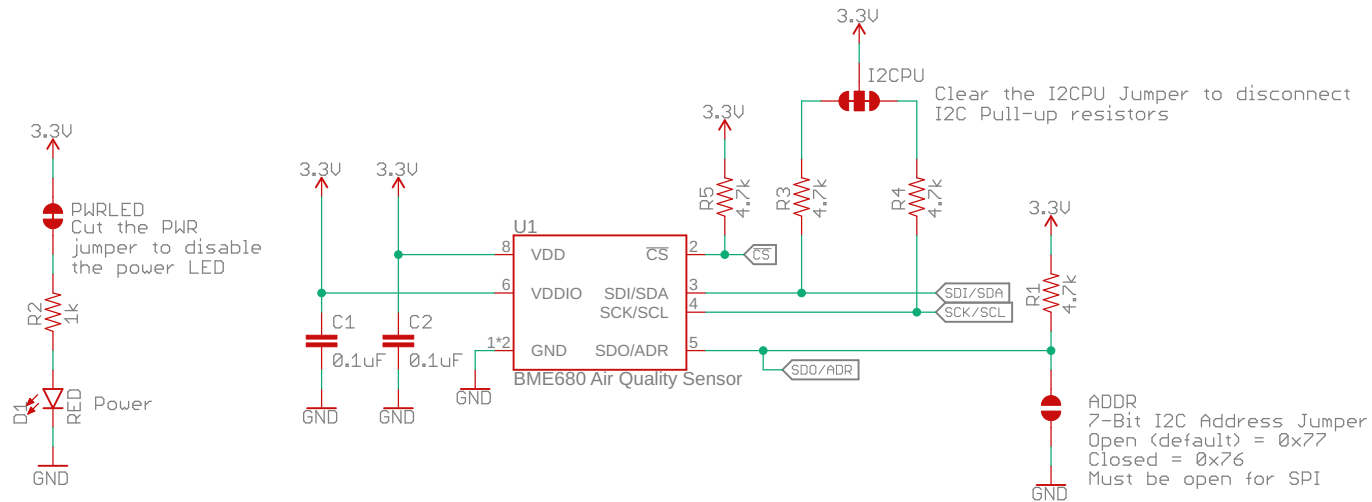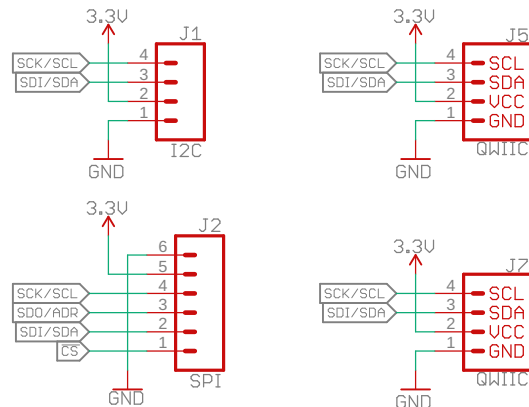
3.3V

PWRLED
Cut the PWR
jumper to disable
the power LED

R2
1k

D1 RED Power

GND

3.3V 3.3V

U1
8 VDD $\overline{CS}$ 2
6 VDDIO   SDI/SDA 3
             SCK/SCL 4
C1   C2
0.1uF 0.1uF
1*2 GND   SDO/ADR 5

BME680 Air Quality Sensor

GND GND GND

3.3V

I2CPU   Clear the I2CPU Jumper to disconnect
         I2C Pull-up resistors

3.3V

R5   R3   R4
4.7k 4.7k 4.7k

CS

3.3V

R1
4.7k

SDI/SDA
SCK/SCL

SDO/ADR

ADDR
7-Bit I2C Address Jumper
Open (default) = 0x77
Closed = 0x76
Must be open for SPI

GND

Connections

3.3V   J1

SCK/SCL 4
SDI/SDA 3
         2
         1

GND   I2C

3.3V   J5

SCK/SCL 4 SCL
SDI/SDA 3 SDA
         2 VCC
         1 GND

GND   QWIIC

3.3V   J2

         6
         5
SCK/SCL 4
SDO/ADR 3
SDI/SDA 2
CS   1

GND   SPI

3.3V   J7

SCK/SCL 4 SCL
SDI/SDA 3 SDA
         2 VCC
         1 GND

GND   QWIIC

open hardware

sparkfun

TITLE: Qwiic Environmental BME680

Design by: N. Seidle
Revision By: A. England

REV:
v10

Date: 4/28/2020 2:26 PM   Sheet: 1/1