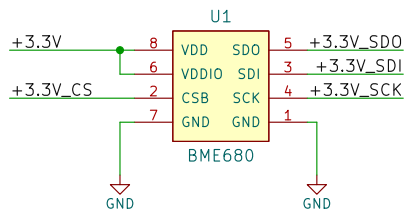
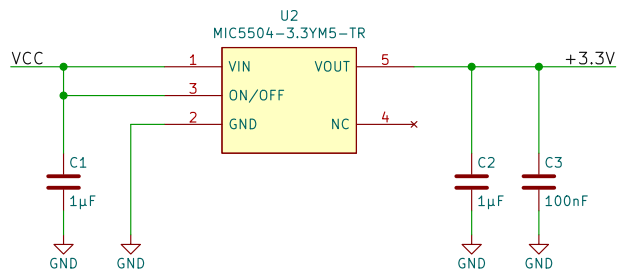


SENSOR



VOLTAGE REGULATOR



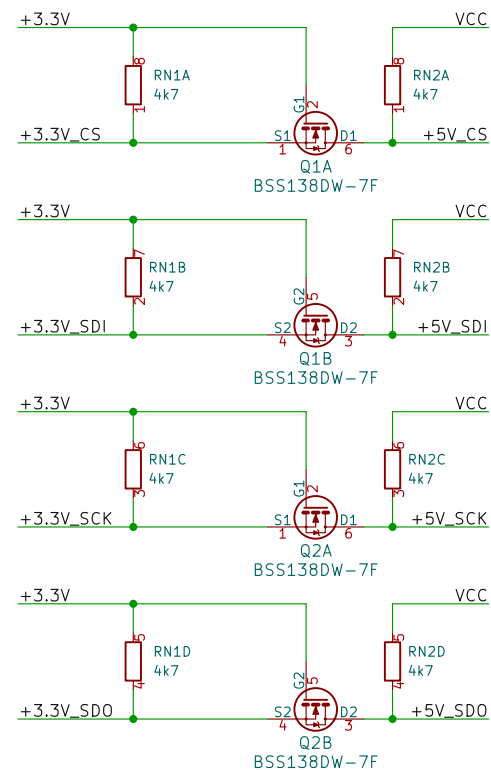
NOTES

1. For Default I2C Address (0x77), leave SDO Pin unconnected. For Alternative I2C Address (0x76), connect SDO Pin to GND.
2. For SPI (Hardware), connect SDI to MOSI, SDO to MISO, SCK to SCK and CS to any Digital Pin.
3. For SPI (Software – Bit Banging), connect Pins SDI, SDO, SCK and CS to different Digital Pins.
4. Power Supply can operate with 3.3V or 5V on VCC Pin.
5. Mounting Holes (2.8mm) are designed for M2.5 Screws (ISO metric).

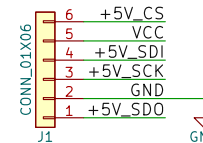
BILL OF MATERIALS

- | | | | |
|-----|-----|---|-------------------|
| 1. | C1 | - | LMK107B7105KA-T |
| 2. | C2 | - | LMK107B7105KA-T |
| 3. | C3 | - | CL10B104K08NNNC |
| 4. | RN1 | - | EXB-38V472JV |
| 5. | RN2 | - | EXB-38V472JV |
| 6. | Q1 | - | BSS138DW-7-F |
| 7. | Q2 | - | BSS138DW-7-F |
| 8. | U1 | - | BME680 |
| 9. | U2 | - | MIC5504-3.3YM5-TR |
| 10. | J1 | - | S1011EC-40-ND |

BIDIRECTIONAL LOGIC LEVEL CONVERTER



HEADER



BlueDot

Sheet: /
File: BME680_V7.kicad_sch

Title: BME680 Environmental Sensor

Size: A4 Date: 2023-07-23
KiCad E.D.A. kicad (6.0.8)

Rev: 7.00
Id: 1/1