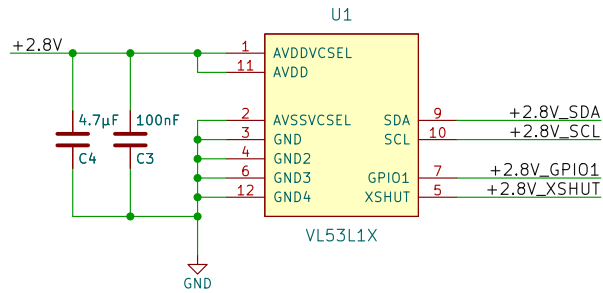
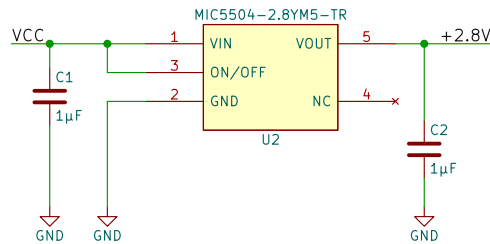


## SENSOR



## VOLTAGE REGULATOR



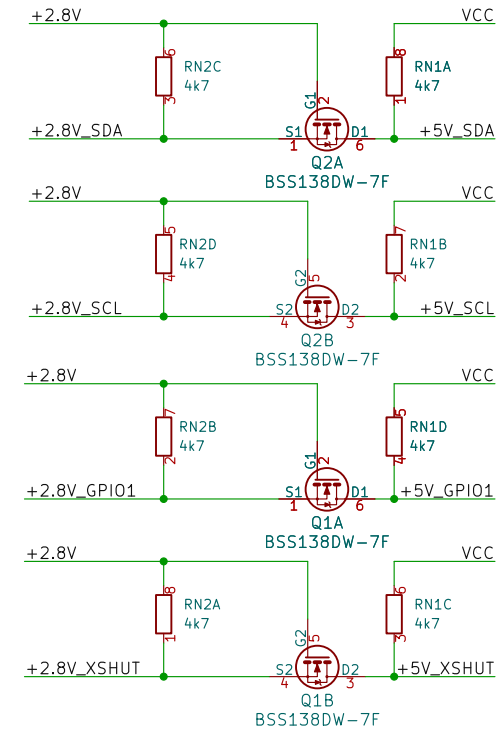
## NOTES

1. Default I2C Address is set at 0x29.
2. Voltage regulator outputs 2.8V to sensor. But Power Supply allows both 3.3V and 5V on VCC Pin.
3. Voltage regulator outputs 2.8V to sensor. But Power Supply allows both 3.3V and 5V on VCC Pin.
4. GPIO1 Pin is a programmable interrupt output. This pin is not level-shifted.
5. Setting XSHUT Pin to GND will put sensor into hardware standby.
6. Mounting Holes (2.8mm) are designed for M2.5 Screws (ISO metric).

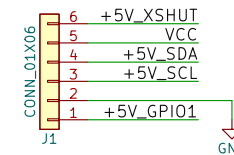
## BILL OF MATERIALS

- |     |     |   |                   |
|-----|-----|---|-------------------|
| 1.  | C1  | - | LMK107B7105KA-T   |
| 2.  | C2  | - | LMK107B7105KA-T   |
| 3.  | C3  | - | CL10B104K08NNNC   |
| 4.  | C4  | - | JMK107BJ475KA-T   |
| 5.  | RN1 | - | EXB-38V472JV      |
| 6.  | RN2 | - | EXB-38V472JV      |
| 7.  | Q1  | - | BSS138DW-7-F      |
| 8.  | Q2  | - | BSS138DW-7-F      |
| 9.  | U1  | - | VL53L1CXV0FY/1    |
| 10. | U2  | - | MIC5504-2.8YM5-T5 |
| 11. | J1  | - | S1011EC-40-ND     |

## BIDIRECTIONAL LOGIC LEVEL CONVERTER



## HEADER



**BlueDot**

Sheet: /  
File: VL53L1X\_V2.kicad\_sch

**Title: VL53L1X Distance Sensor**

Size: A4 Date: 2023-07-23

KiCad E.D.A. kicad (6.0.8)

Rev: 2.00

Id: 1/1