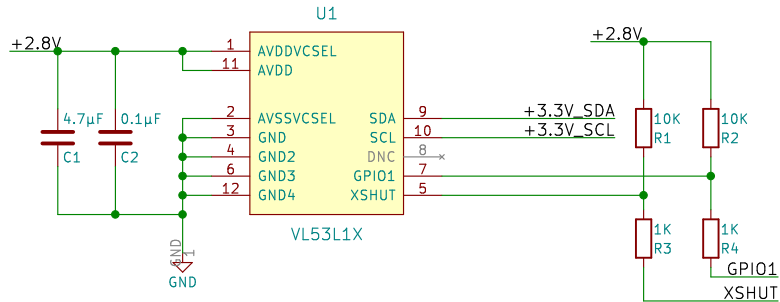
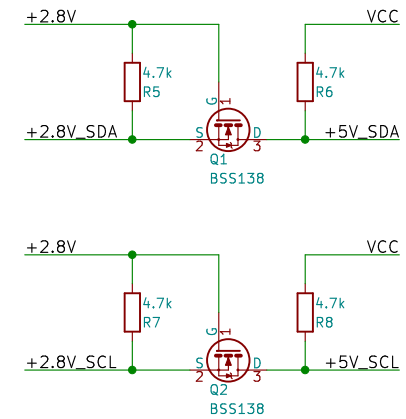


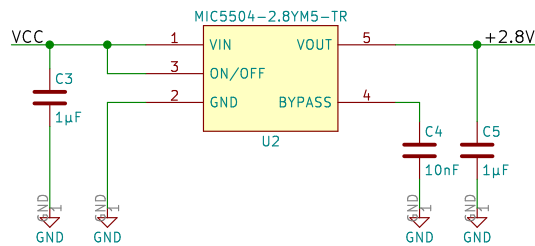
## SENSOR



## BIDIRECTIONAL LOGIC LEVEL CONVERTER



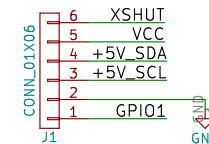
## VOLTAGE REGULATOR



## NOTES

1. Default I2C Address is set at 0x29.
2. SPI communication is not available on this board.
3. Voltage regulator outputs 2.8V to sensor. But Power Supply allows both 3.3V and 5V on VCC Pin.
4. SDA and SCL level shifters allow safe communication with 5V (Arduino UNO) and 3.3V boards.
5. GPIO1 Pin is a programmable interrupt output. This pin is not level-shifted.
6. Setting XSHUT Pin to GND will put sensor into hardware standby.
7. Mounting Holes (2.8mm) are designed for M2.5 Screws (ISO metric).
8. Have Fun!

## HEADER



**BlueDot**

Sheet: /  
File: VL53L1X\_V1.sch

**Title: VL53L1X Distance Sensor**

Size: A4 Date: 2017-04-08  
KiCad E.D.A. kicad 4.0.6

Rev: 1.00  
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