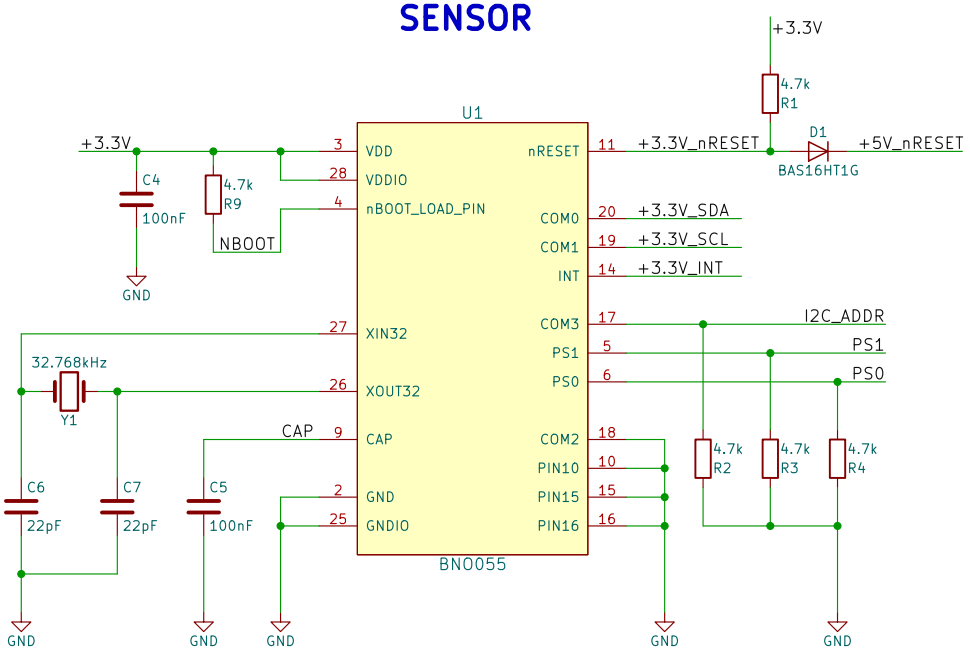
SENSOR



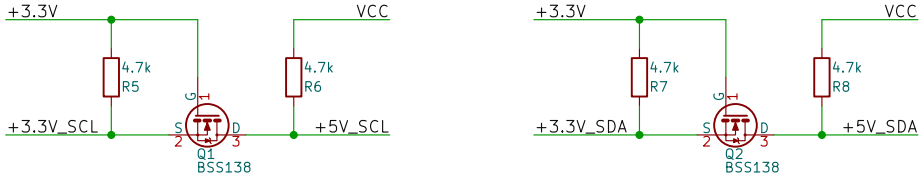
NOTES

1. For Default I2C Address (0x28), leave ADR Pin unconnected. For Alternative I2C Address (0x29), connect ADR Pin to 3.3V.
2. Pins PS0 and PS1 are used to enable the HID protocol (Human Interface Device). Leave unconnected for I2C mode.
3. Apply a LOW signal on RST pin to trigger a power-on reset.
4. Pin NBOOT can be used to update the Bootloader Firmware.
5. Mounting Holes (2.8mm) are designed for M2.5 Screws.

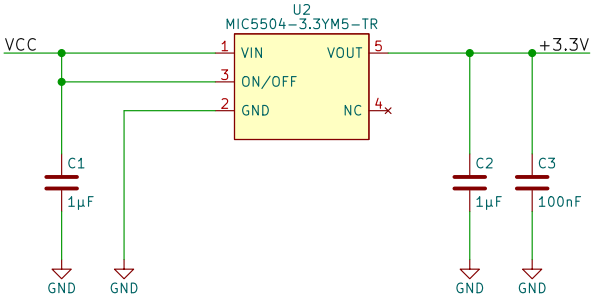
BILL OF MATERIALS

1.	C1, C2	–	LMK107B7105KA-T
2.	C3, C4, C5	–	CL10B104KO8NNNC
3.	C6, C7	–	CC0603JRNP00BN220
4.	R1-9	–	RC0603FR-074K7L
5.	Q1, Q2	–	BSS138-7-F
6.	D1	–	BAS16HT1G
7.	Y1	–	FC-135 32.7680KA-AG5
8.	U1	–	BNO055
9.	U2	–	MIC5504-3.3YM5-TR
10.	J1	–	S1011EC-40-ND

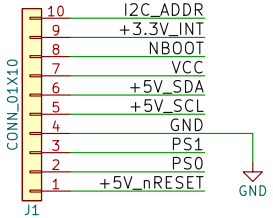
BIDIRECTIONAL LOGIC LEVEL CONVERTER



VOLTAGE REGULATOR



HEADER



BlueDot

Sheet: /
File: BNO055_V3.kicad_sch

Title: BNO055 Absolute Orientation Sensor

Size: A4	Date: 2023-07-25	**Rev: 3.00**
KiCad E.D.A. kicad (6.0.8)		Id: 1/1