TMP117 Temperature Sensor

3.3V

R1 1k

D1 RED

GND

3.3V

C1 0.1uF

GND

Clear jumper JP10 to remove pull-up from INT

3.3V

JP10

INT

3.3V

Clear Jumper to remove I2C Pull-ups from bus

I2C

R3 10k   R4 2.2k   R5 2.2k

3.3V

U2

5 V+   INT 3   INT
             SDA 6   SDA
             SCL 1   SCL

2 GND ADD0 4   ADD0

TMP117

GND

JP3   JP2   JP1

10k R2

3.3V   SDA   SCL

GND
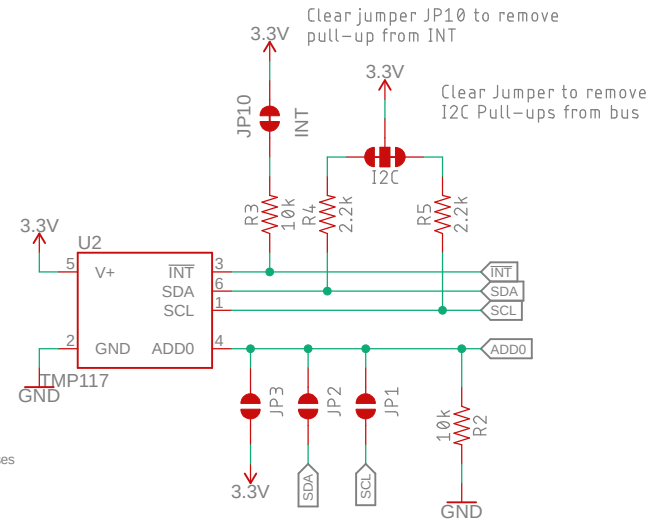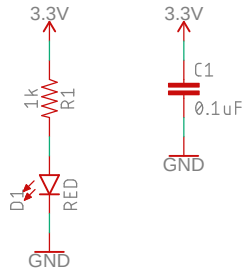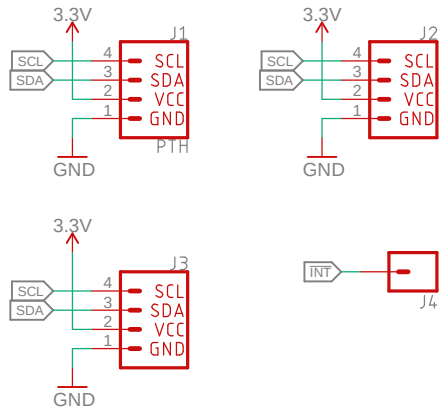
ADD0 Adress Pin and Slave Adresses
GND: 1001000x (0x48)
V+:   1001001x (0x49)
SDA: 1001010x (0x4A)
SCL: 1001011x (0x4B)

I2C Connections

3.3V   3.3V

SCL   4 SCL   SCL   4 SCL
SDA   3 SDA   SDA   3 SDA
       2 VCC   2 VCC
       1 GND   J1   1 GND   J2

GND   PTH   GND

3.3V

SCL   4 SCL
SDA   3 SDA
       2 VCC
       1 GND   J3   INT   J4

GND

open hardware

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TITLE: Qwiic_TMP117

Design by: Madison Chodikov

REV:

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