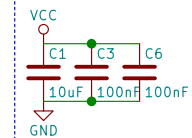


Sheet: /
File: Sensor.sch

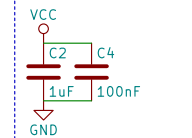
Title: Sensor

Rev: 3
Id: 1/6

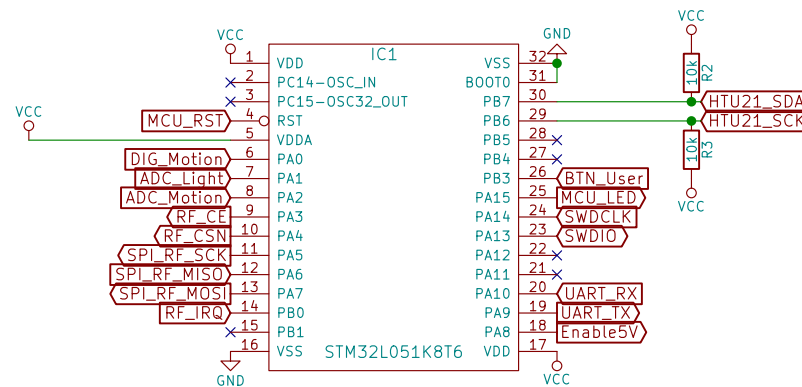
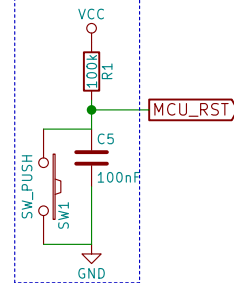
Close to VDD & VSS



Close to VDDA



Reset circuit



Peripherals:
RF module (SPI, CSN, CE, IRQ)
HTU21D (I2C)
Light sensor (adc, enable)
Motion (ADC, enable)
UART
SWD

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Sheet: /CPU/

File: cpu.sch

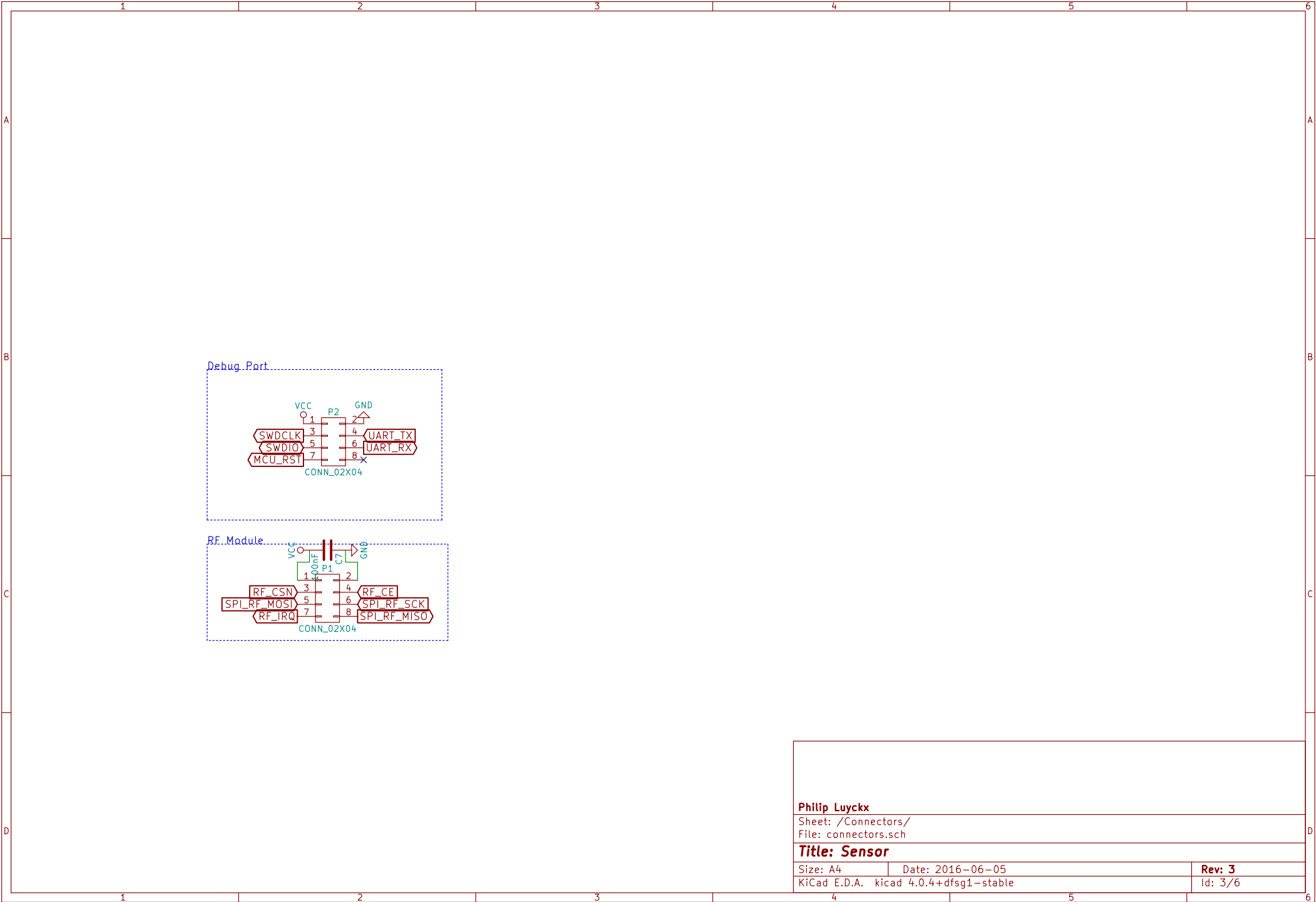
Title: Sensor

Size: A4 Date: 2016-06-05

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Rev: 3

Id: 2/6



RF Module

VCC

Q1

3

RF_CSN

5

SPI_RF_MOSI

7

RF_IRQ

P1

2

4

RF_CE

6

SPI_RF_SCK

8

SPI_RF_MISO

GND

2

4

RF_CE

6

SPI_RF_SCK

8

SPI_RF_MISO

CONN_02X04

Philip Luyckx

Sheet: /Connectors/
File: connectors.sch

Title: Sensor

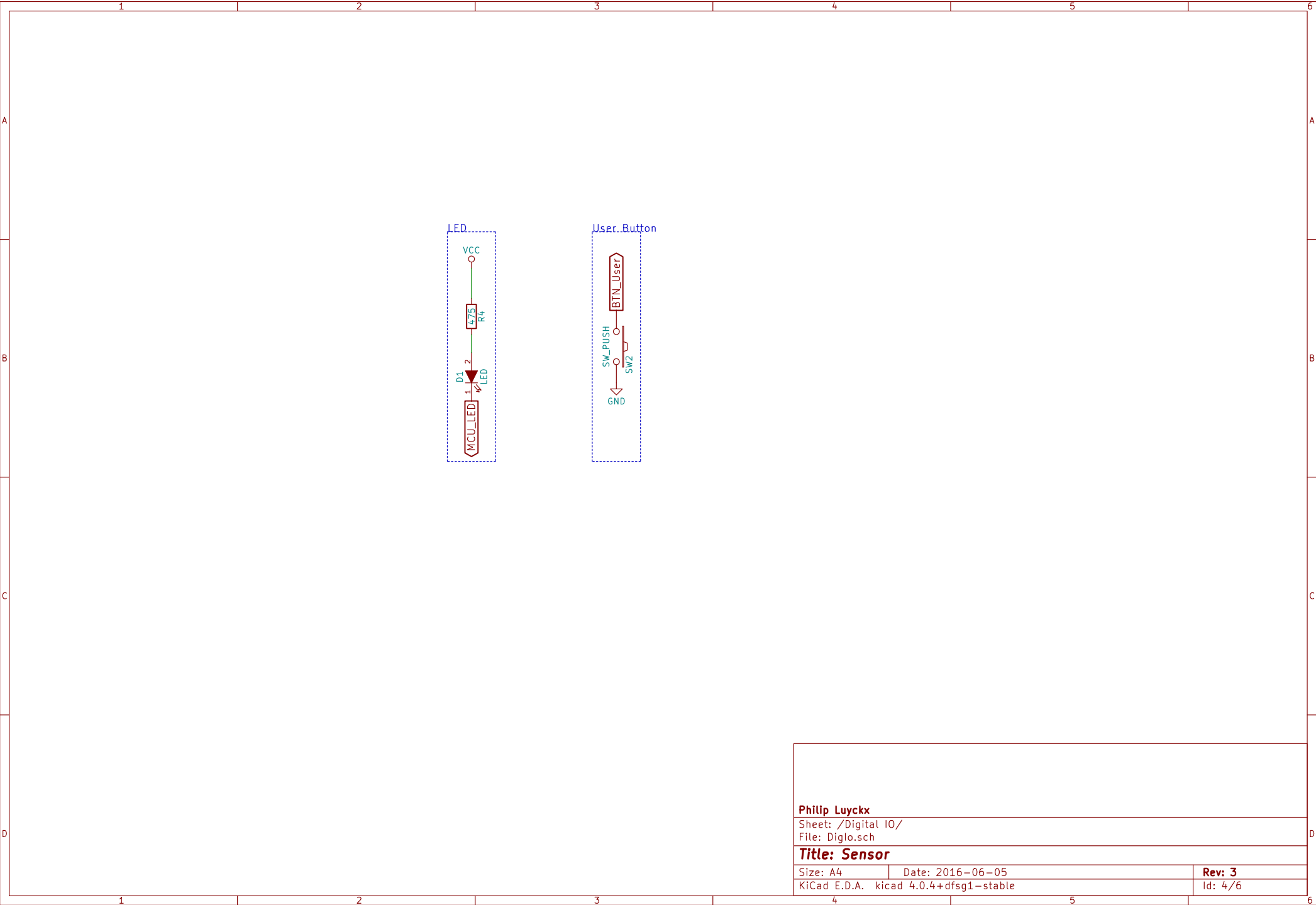
Size: A4

Date: 2016-06-05

Rev: 3

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Id: 3/6



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Sheet: /Digital IO/
File: Diglo.sch

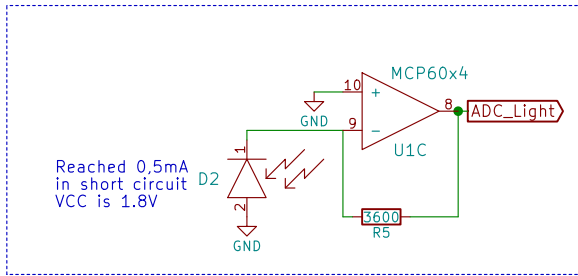
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Size: A4
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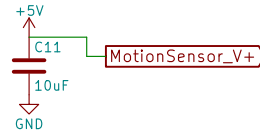
Date: 2016-06-05

Rev: 3
Id: 4/6

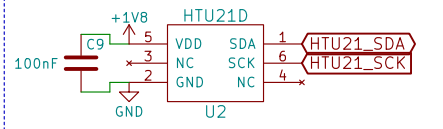
Light Sensor



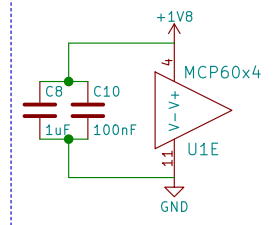
Motion Sensor Power



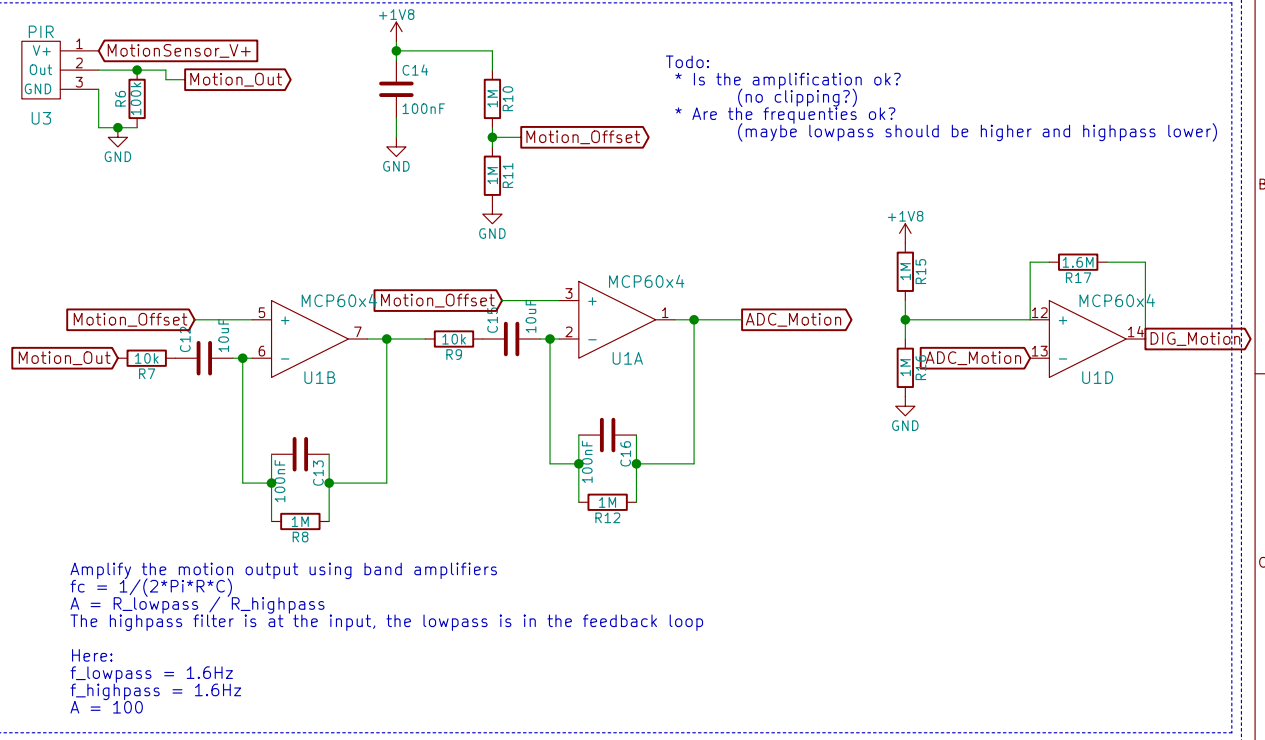
Temperature & Humidity sensor



Opamp supply



Custom Sensor



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Sheet: /Sensors/
 File: Sensors.sch

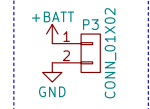
Title: Sensor

Size: A4 Date: 2016-06-05
 KiCad E.D.A. kicad 4.0.4+dfsg1-stable

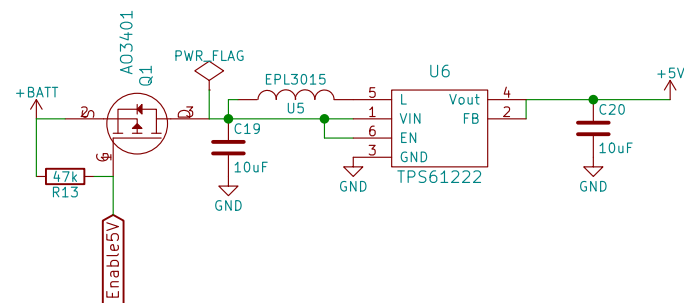
Rev: 3
 Id: 5/6



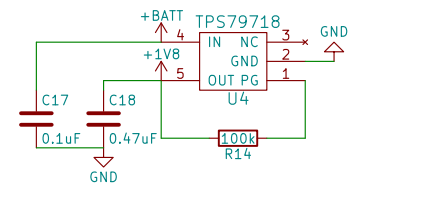
Battery Input



5V Supply



1V8 Supply



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Sheet: /Supply/

File: Supply.sch

Title: Sensor

Size: A4

Date: 2016-06-05

KiCad E.D.A. kicad 4.0.4+dfsg1-stable

Rev: 3

Id: 6/6