

Power Board

Sheet: Panel Power

Battery_Power

Enable

File: Panel_Power.sch

Panel_Power

F1 Fuse

F2 Fuse

F3 Fuse

F4 Fuse

F5 Fuse

F6 Fuse

L1 60R

L2 60R

L3 60R

L4 60R

L5 60R

L6 60R

J2 JST B2PS-VH

J3 JST B2PS-VH

J4 JST B2PS-VH

J5 JST B2PS-VH

J6 JST B2PS-VH

J7 JST B2PS-VH

GND

+5.2V

GND

SDA

SCL

Power_Ctl

Power_Sense

Panel_Alert

Sheet: Pi Power

Battery_Power

5.2V_switched

Power_Button

Power_Ctl_GPIO

Power_Sense_GPIO

File: Pi_Power.sch

SW1

GND

Sheet: MPU9250

File: MPU9250.sch

Sheet: Power Meter

File: Power_Meter.sch

Panel_Power

5.2V_switched

D1 LED, green

D2 LED, blue

R1 680

R2 680

GND

GND

H1 MountingHole

H2 MountingHole

H3 MountingHole

H4 MountingHole

PWR_FLAG

Pi_3.3V

SDA

SCL

Panel_Alert

J9 Raspberry Pi

1 2 +5.2V

3 4 +5.2V

5 6

7 8 Power_Ctl

9 10 Power_Sense

GND

GND

Sheet: /

File: Power Board.sch

Title: LED Cube Power Board

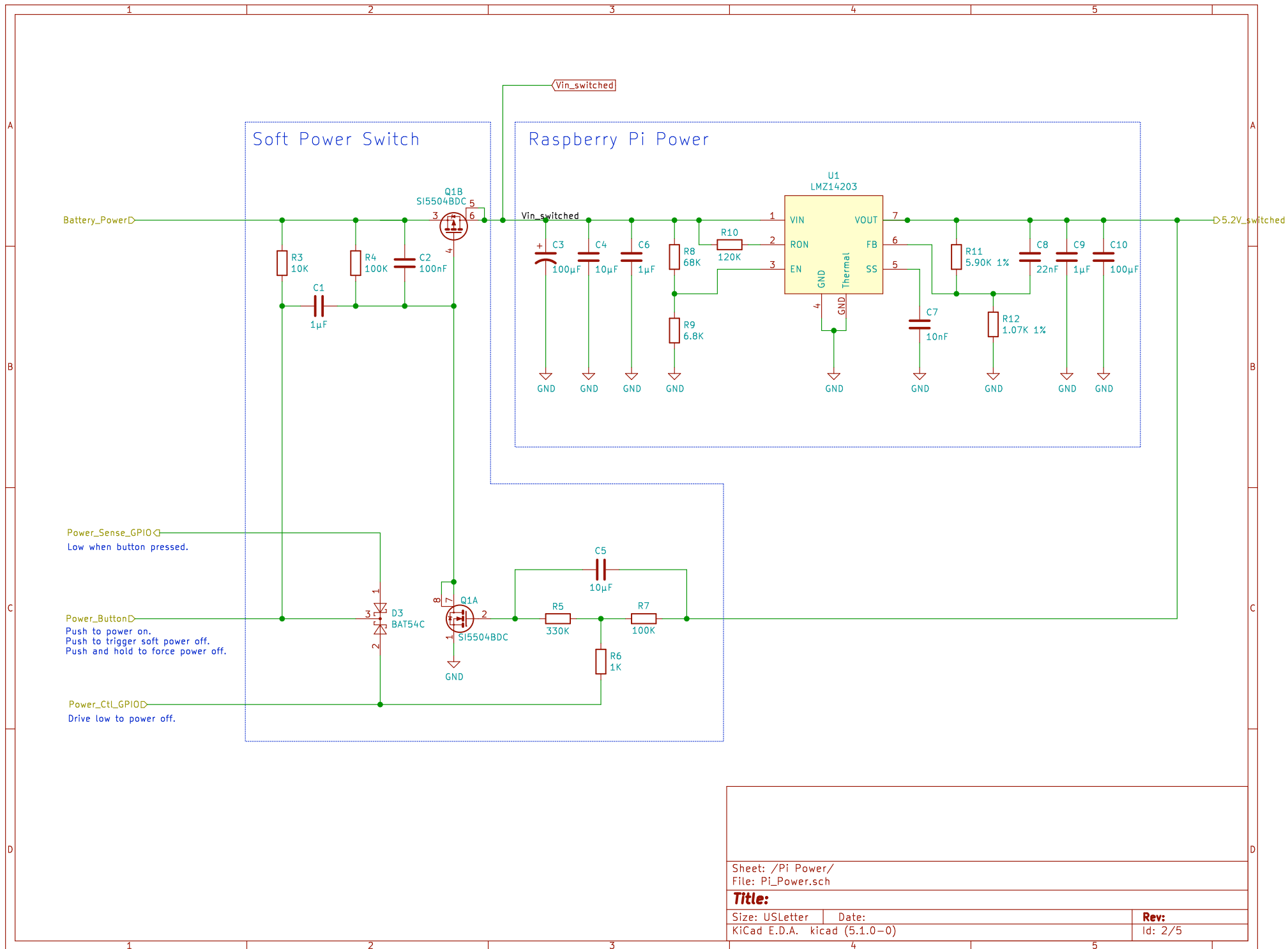
Size: USLetter Date:

Kicad E.D.A. kicad (5.1.0-0)

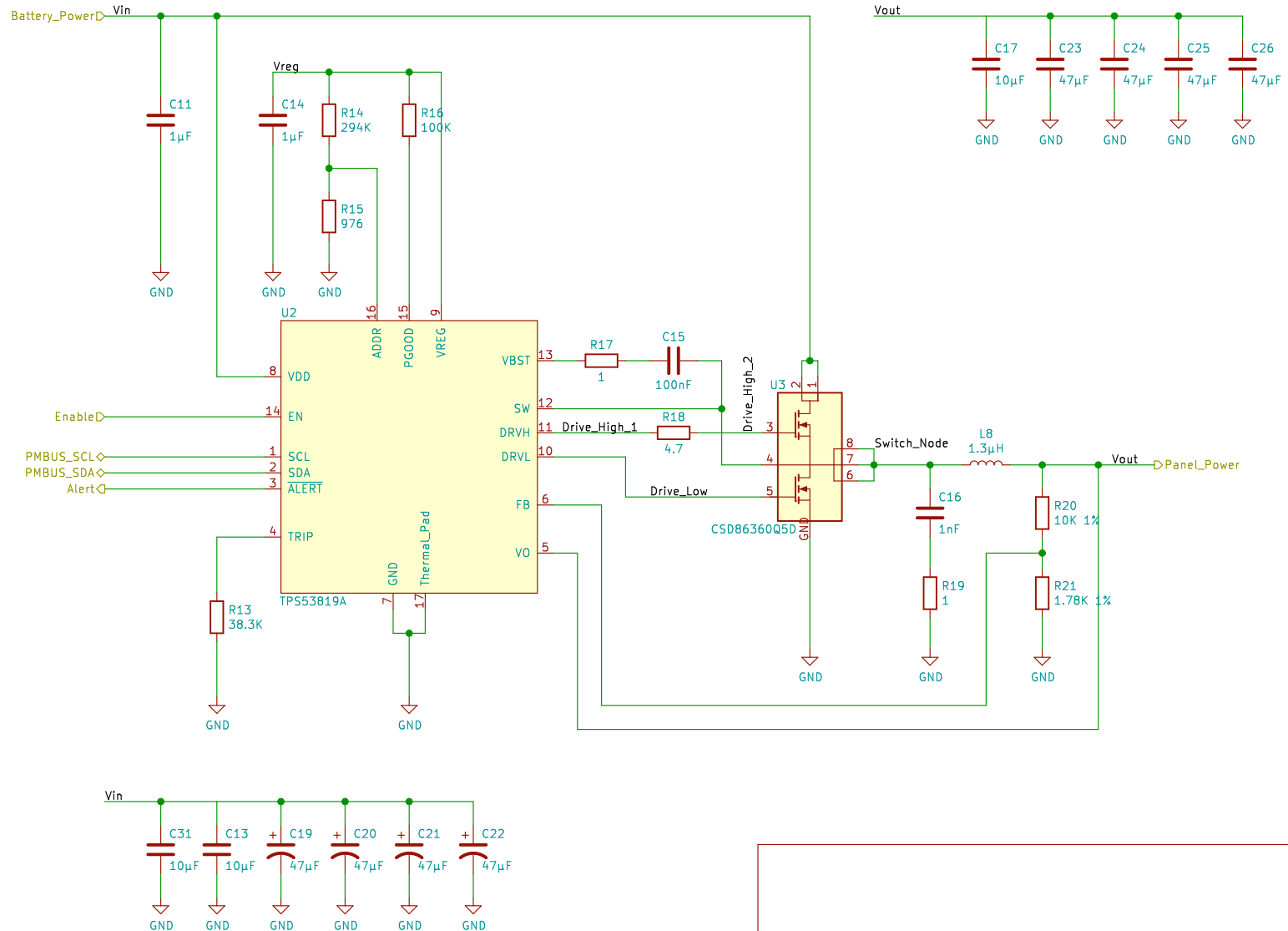
Rev: v0.3

Id: 1/5

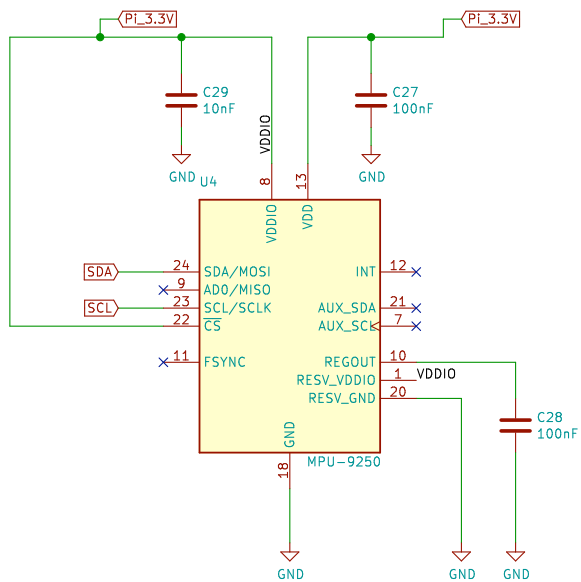
Rev: v0.3
Id: 1/5



Panel Power



| | | |
|------------------------------|-------|---------|
| Sheet: /Panel Power/ | | |
| File: PanelPower.sch | | |
| Title: | | |
| Size: USLetter | Date: | Rev: |
| KiCad E.D.A. kicad (5.1.0-0) | | Id: 3/5 |

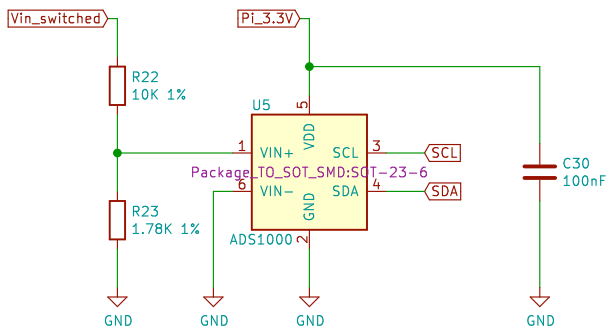


Sheet: /MPU9250/
File: MPU9250.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad (5.1.0-0)

Rev:
Id: 4/5



Sheet: /Power Meter/
File: Power_Meter.sch

Title:

Size: USLetter Date:
KiCad E.D.A. kicad (5.1.0-0)

Rev:
Id: 5/5