

jetson\_power

jetson\_power.sch

jetson\_pcie

jetson\_pcie.sch

jetson\_enet

jetson\_enet.sch

jetson\_hdmi

jetson\_hdmi.sch

jetson\_usb

jetson\_usb.sch

jetson\_jtag

jetson\_jtag.sch

jetson\_sdcard

jetson\_sdcard.sch

jetson\_uarts

jetson\_uarts.sch

jetson\_sata

jetson\_sata.sch

power

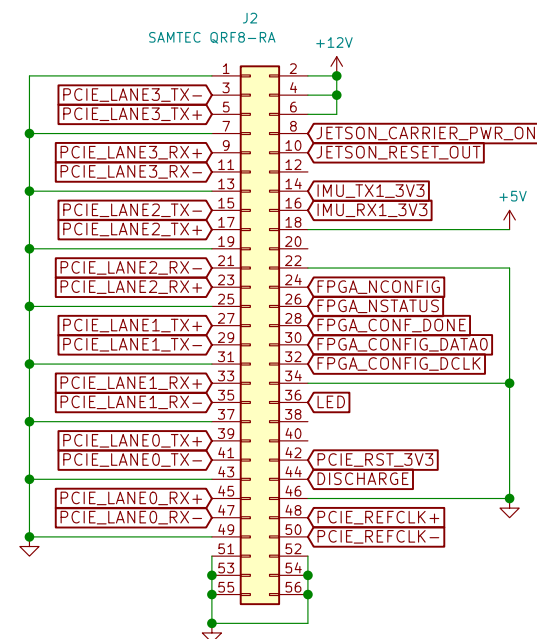
power.sch

jetson\_gpio

jetson\_gpio.sch

THIS DEVICE IS INTENDED ONLY  
FOR R&D PROTOTYPING IN LAB  
USE BY TRAINED PERSONNEL!

DO NOT RUN UNATTENDED!



Sheet: /

File: ovc2\_mobo.sch

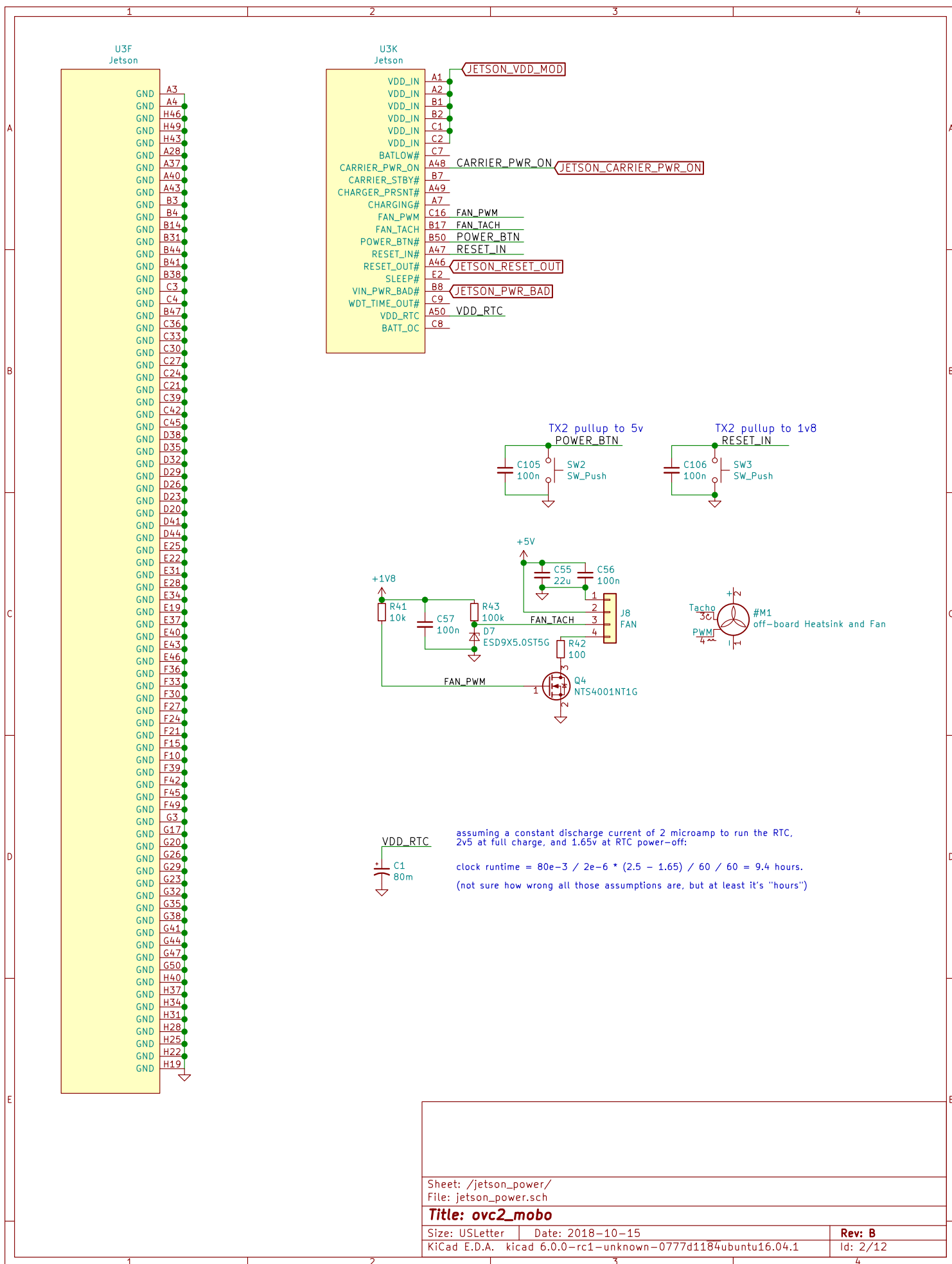
**Title: ovc2\_mobo**

Size: A4 Date: 2018-10-15

KiCad E.D.A. kicad 6.0.0-rc1-unknown-0777d1184ubuntu16.04.1

Rev: B

Id: 1/12



Sheet: /jetson\_power/  
File: jetson\_power.sch

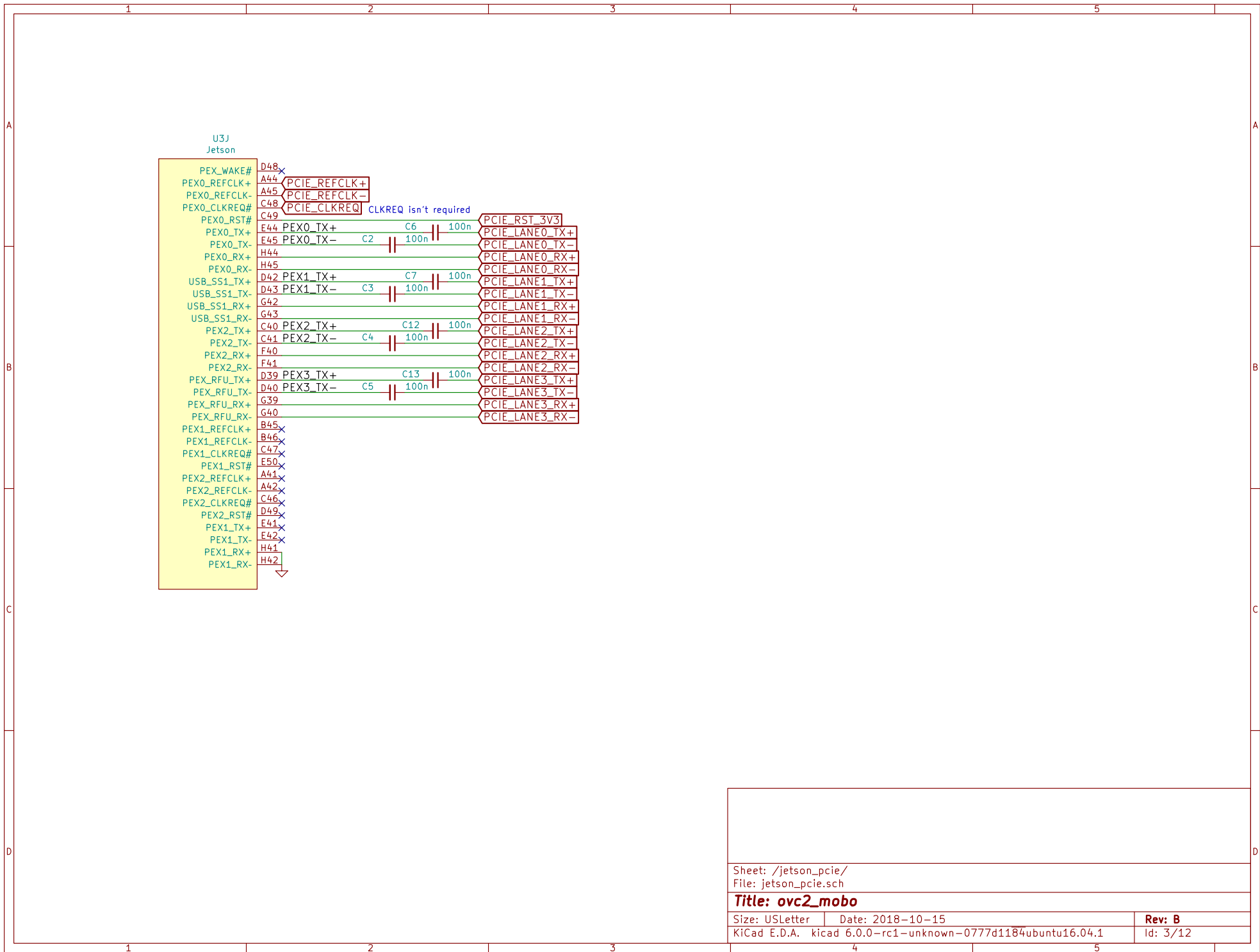
**Title: ovc2\_mobo**

Size: USLetter Date: 2018-10-15

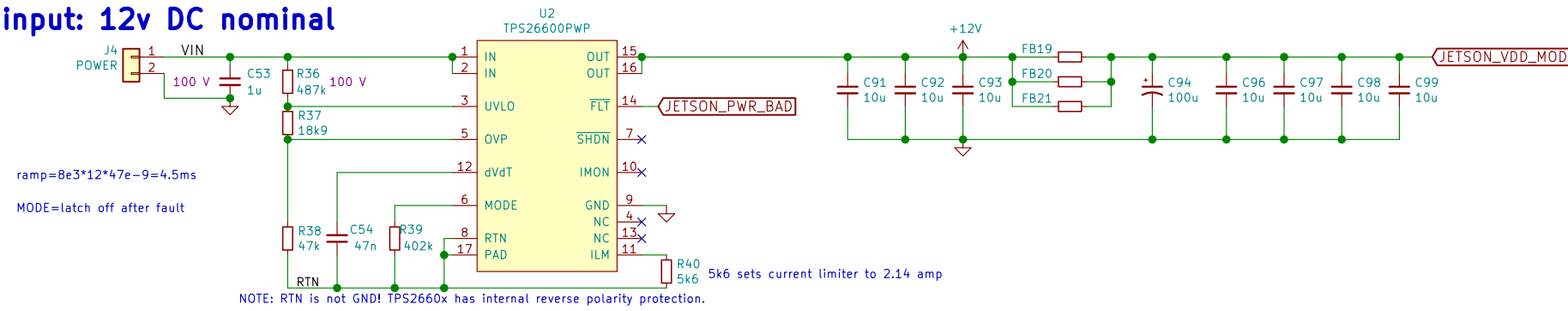
KiCad E.D.A. kicad 6.0.0-rc1-unknown-0777d1184ubuntu16.04.1

Rev: B

Id: 2/12



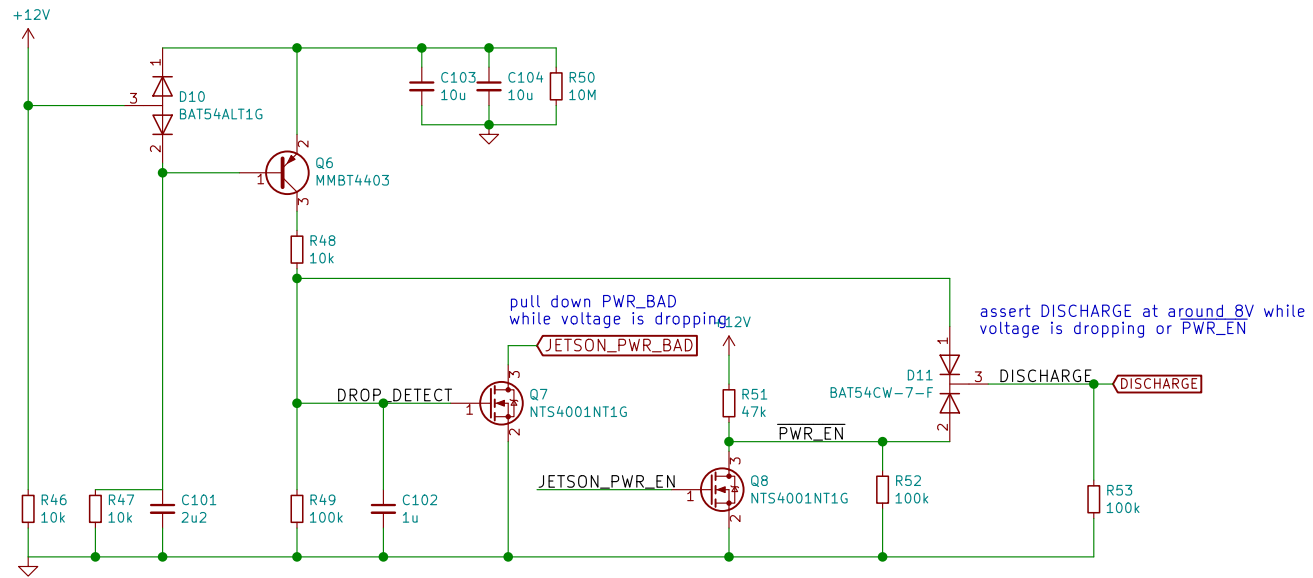
**input: 12v DC nominal**



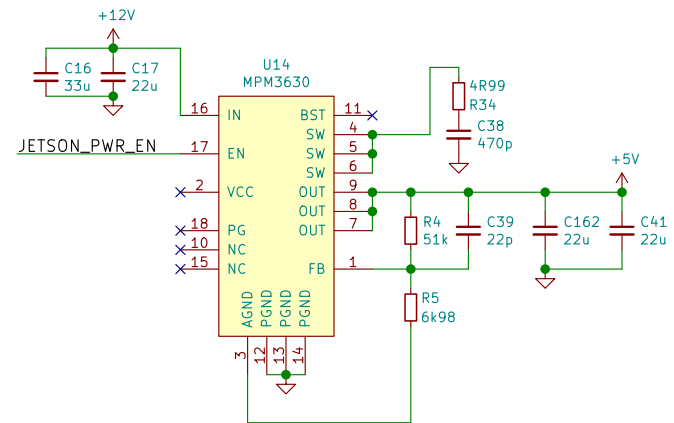
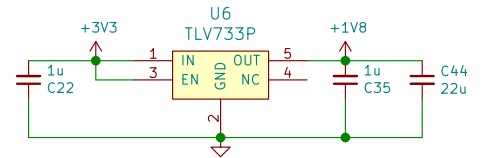
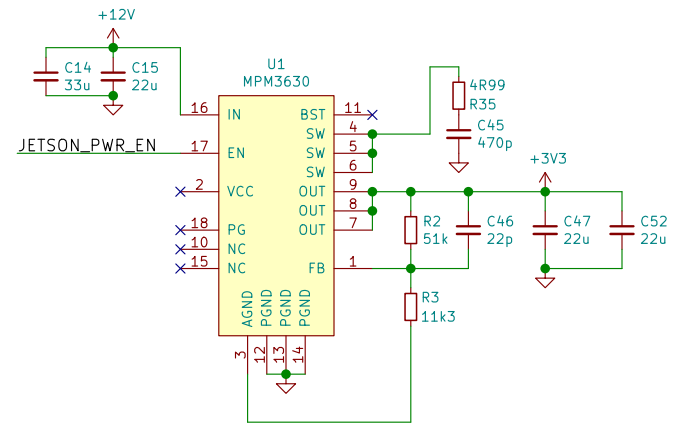
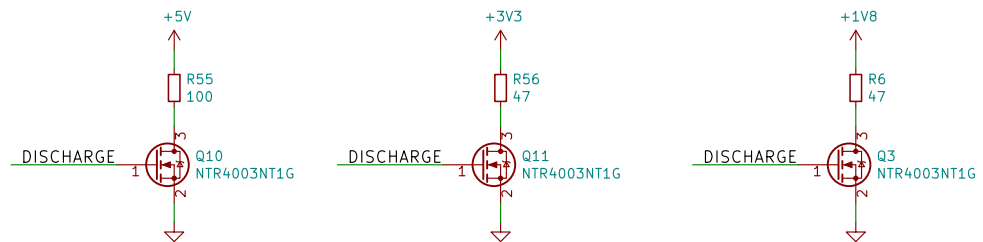
3v3 when asserted

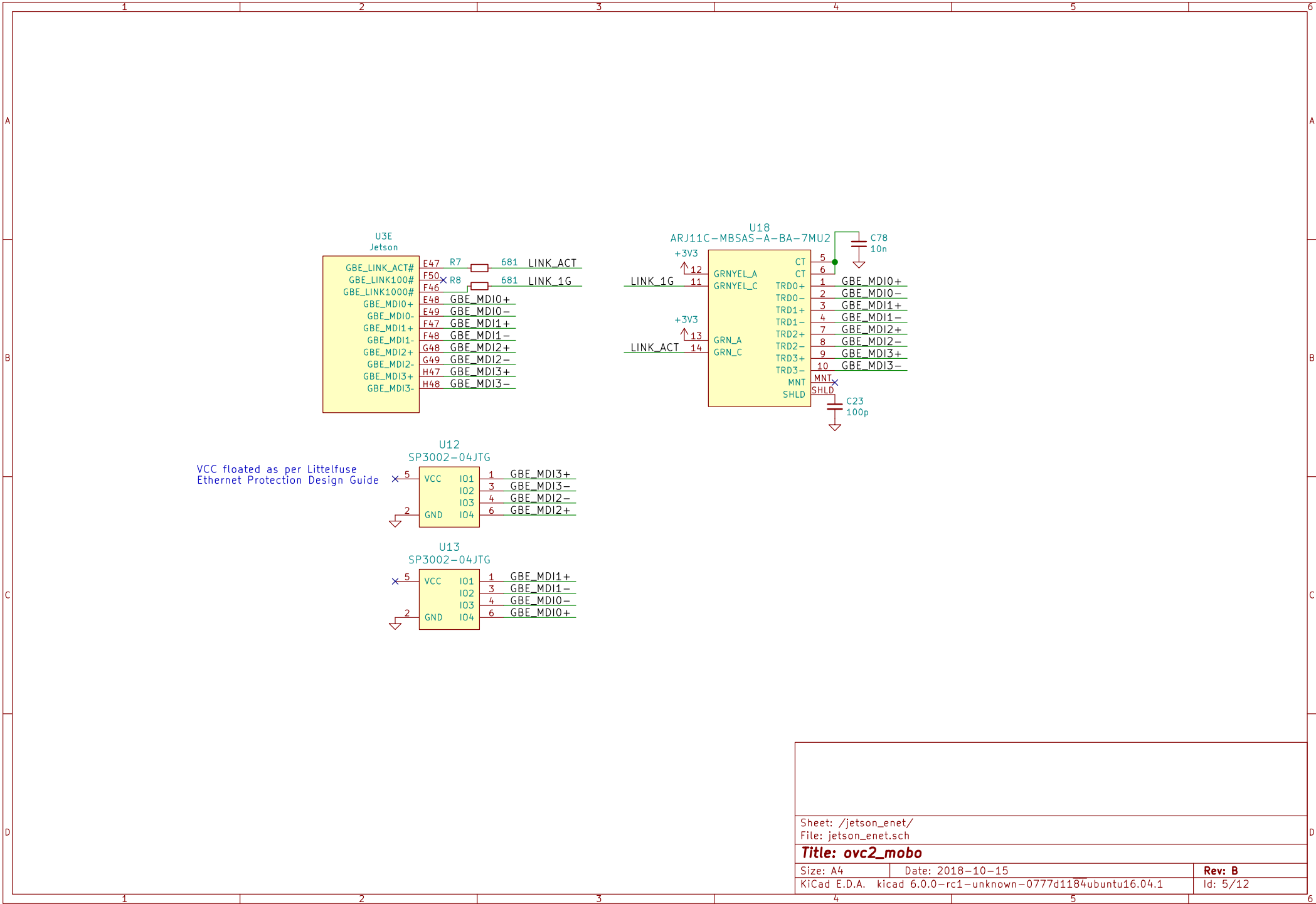


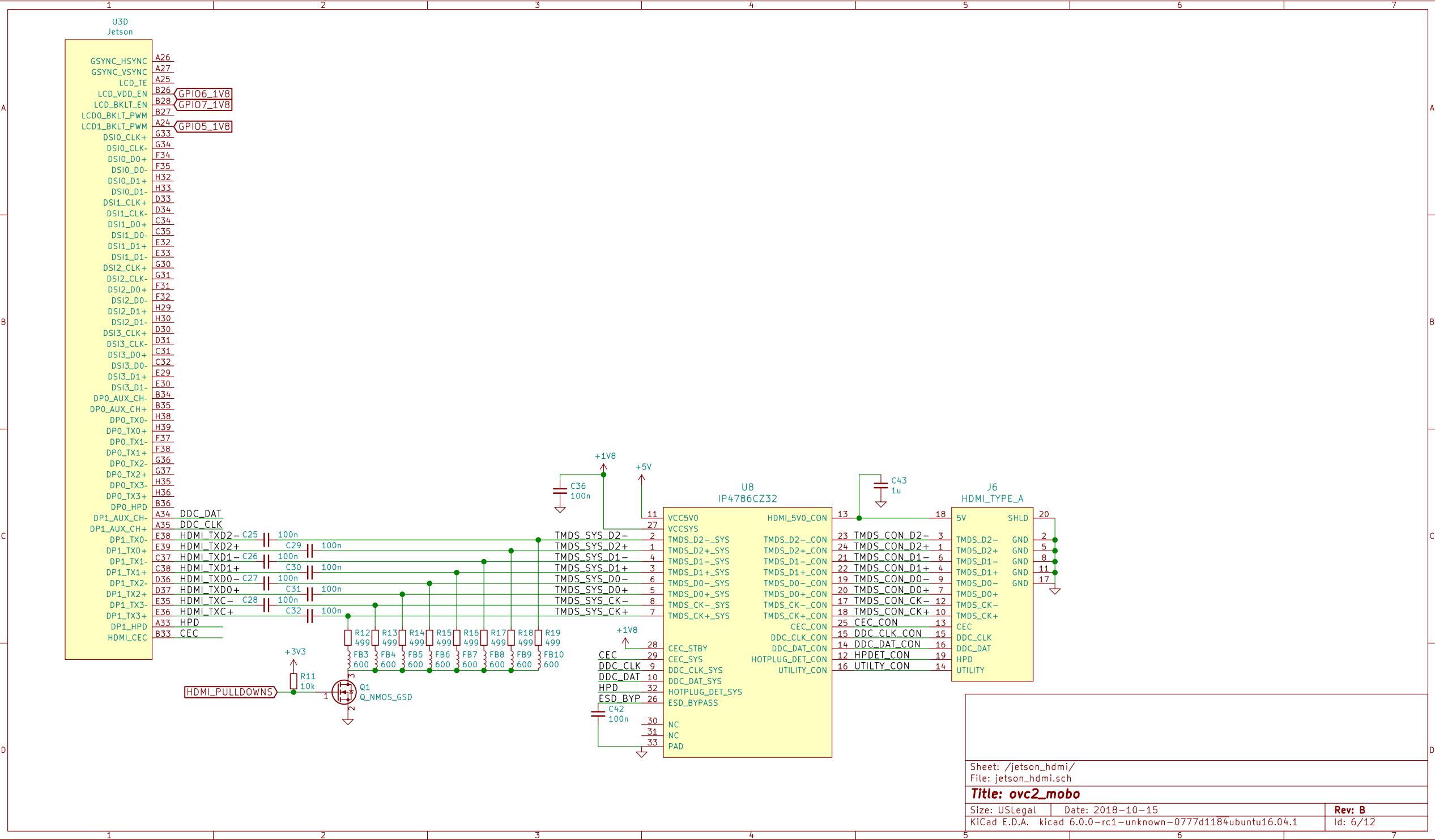
## analog voltage-drop detector

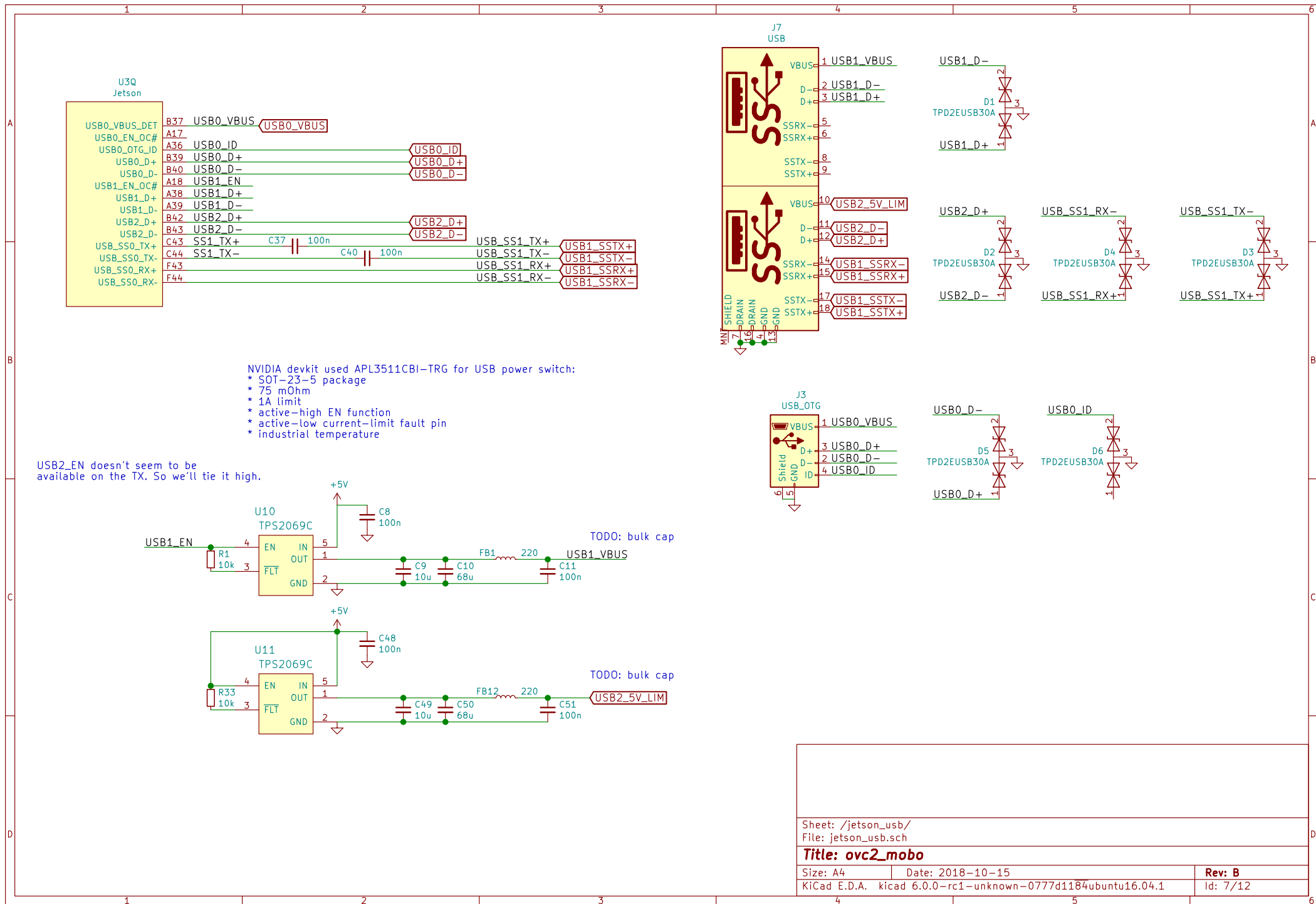


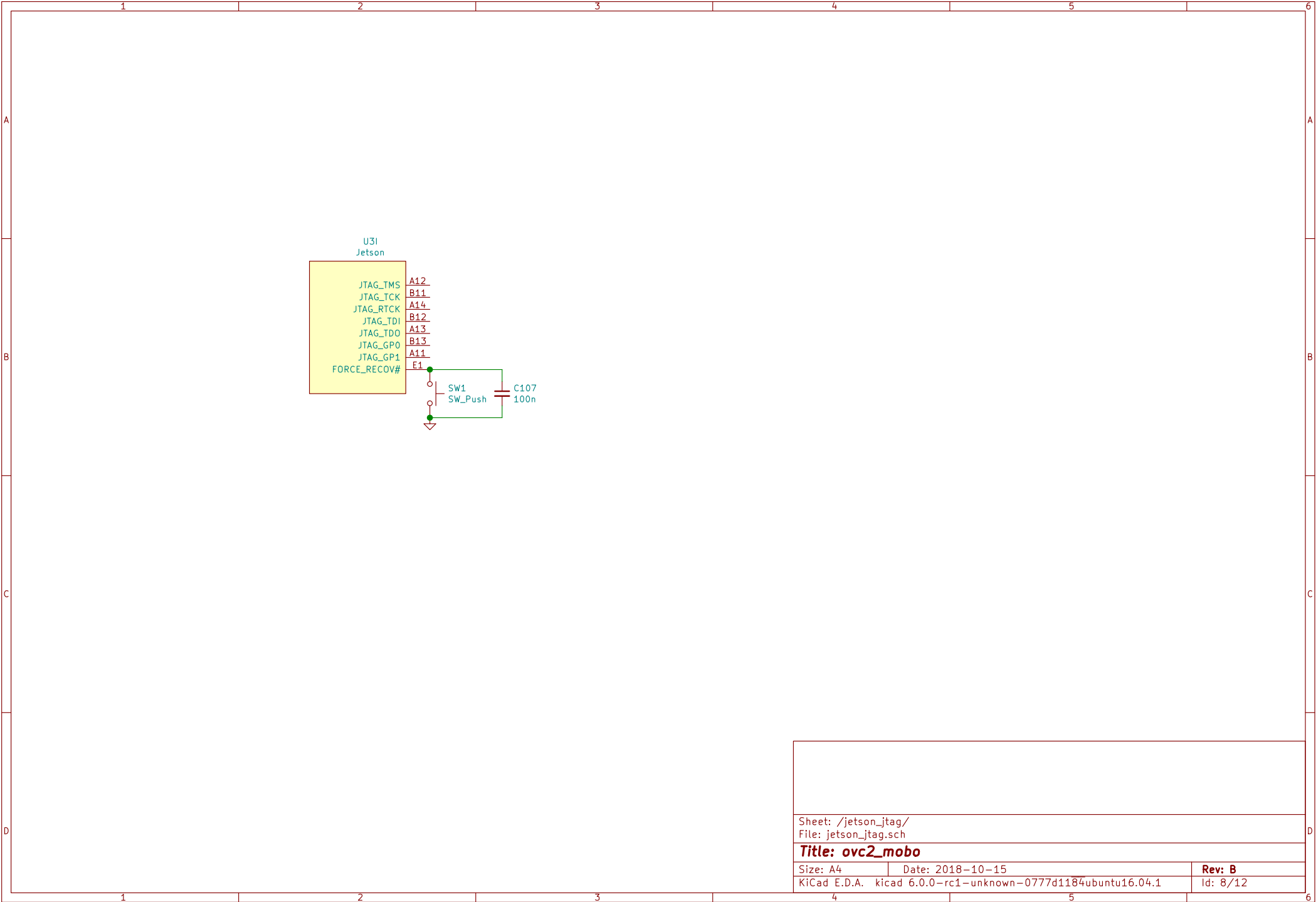
**active discharge of all rails**





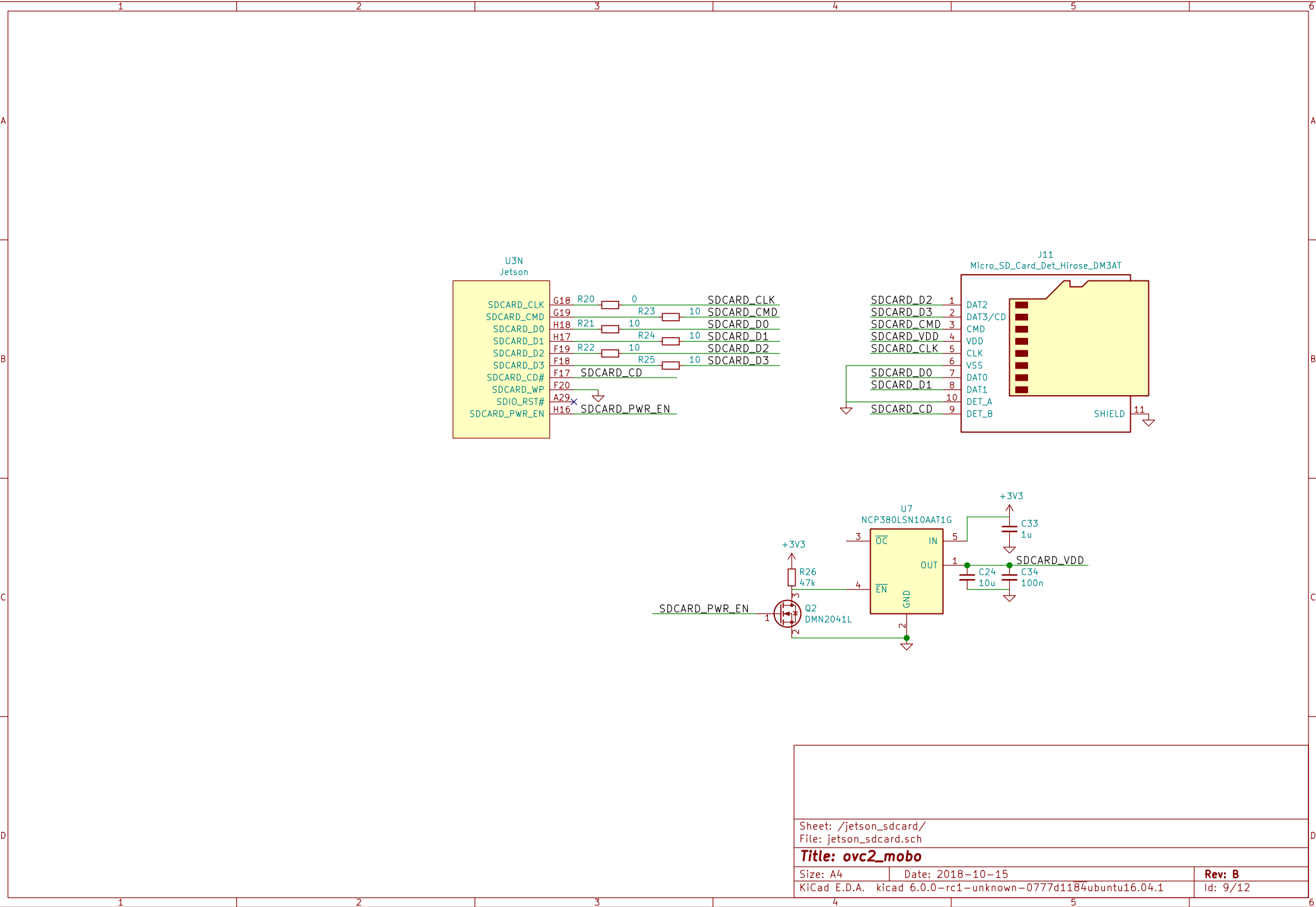






Sheet: /jetson_jtag/ File: jetson_jtag.sch		
Title: ovc2_mobo		
Size: A4	Date: 2018-10-15	Rev: B
KiCad E.D.A. kicad 6.0.0-rc1-unknown-0777d1184ubuntu16.04.1		Id: 8/12



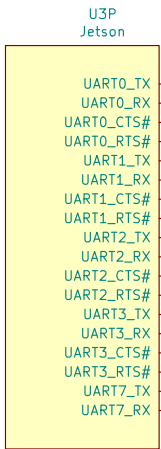


Sheet: /jetson\_sdcard/  
File: jetson\_sdcard.sch

**Title: ovc2\_mobo**

Size: A4 Date: 2018-10-15  
KiCad E.D.A. kicad 6.0.0-rc1-unknown-0777d1184ubuntu16.04.1

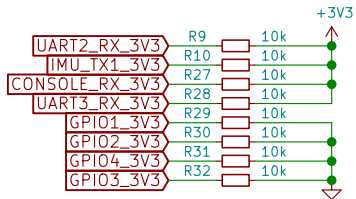
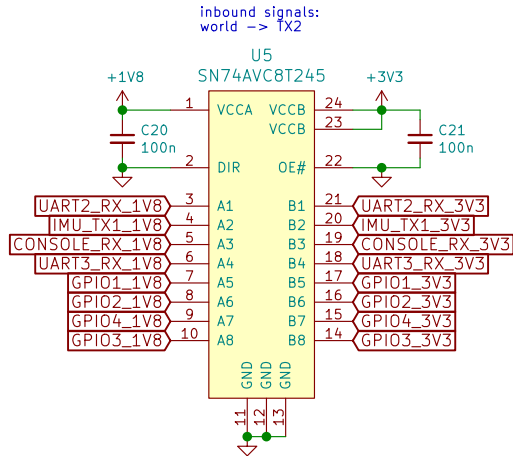
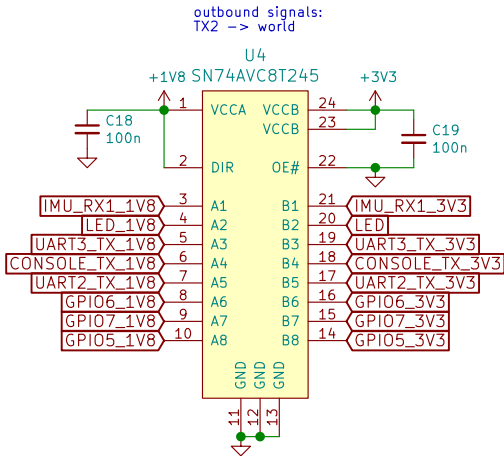
Rev: B  
Id: 9/12



This is the boot console.

directions are according to the IMU, so they look reversed here.

uart7 has internal TX2 traffic



Sheet: /jetson\_uarts/  
File: jetson\_uarts.sch

Title: ovc2\_mobo

Size: A4 Date: 2018-10-15

KiCad E.D.A. kicad 6.0.0-rc1-unknown-0777d1184ubuntu16.04.1

Rev: B

Id: 10/12

