

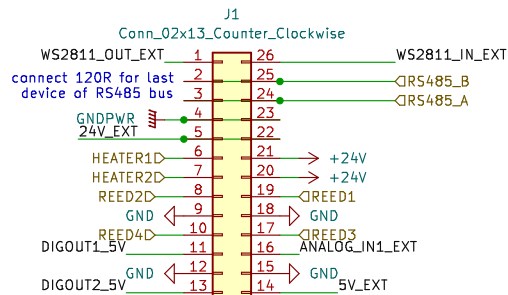
Sheet: /Power/
File: power.kicad_sch

Title:

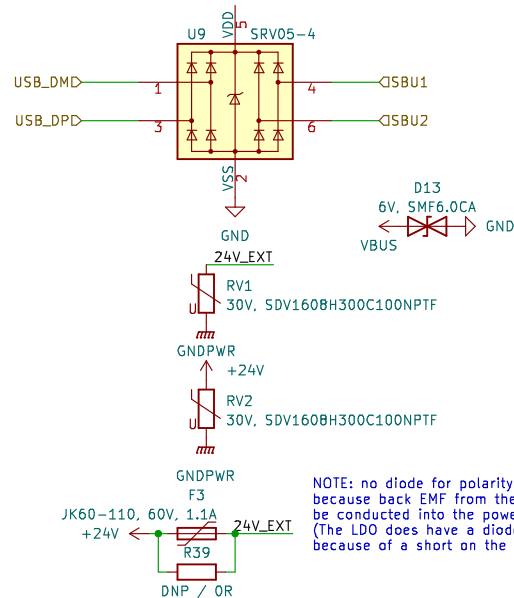
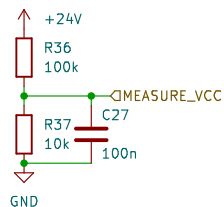
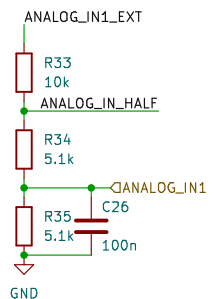
Size: A4
KiCad E.D.A. kicad 6.0.9

Date:

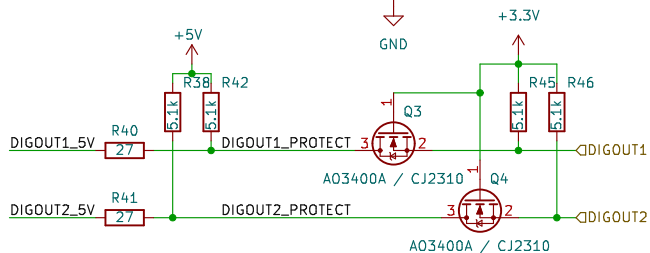
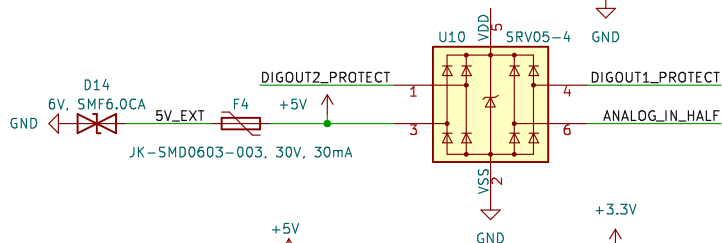
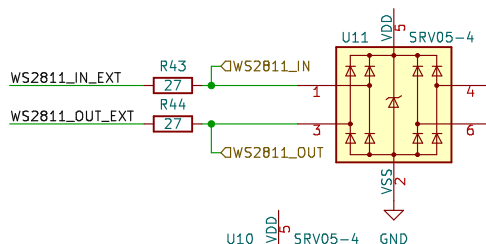
Rev:
Id: 2/4



connect WS2811_IN and DIGOUT1_5V for first device



NOTE: no diode for polarity protection because back EMF from the heaters should be conducted into the power lines if necessary. (The LDO does have a diode so it won't die because of a short on the 24V power lines.)



Sheet: /IO Protection/
File: protection.kicad_sch

Title:

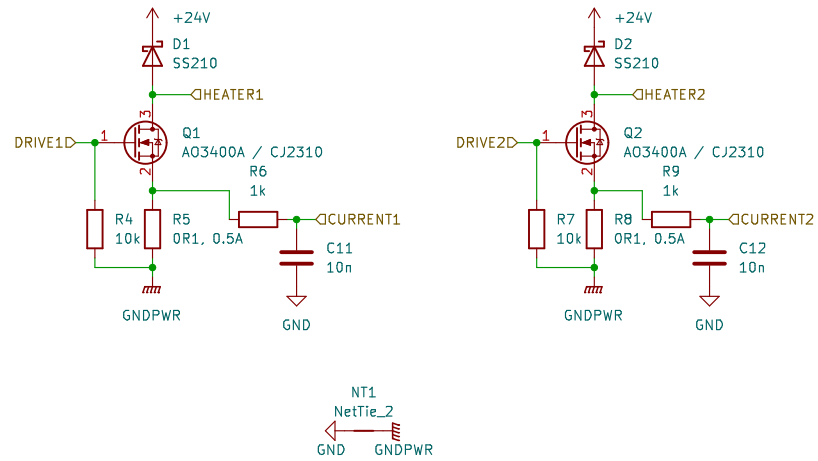
Size: A4
KiCad E.D.A. kicad 6.0.9

Date:

Rev:

Id: 3/4

CJ2310 is preferred because it can handle 60V.
Both can handle 0.5 A at V_{GS}=2.5V.
However, we are limited to 30V anyway due to the LDO.



Sheet: /Heaters/
File: heaters.kicad_sch

Title:

Size: A4
KiCad E.D.A. kicad 6.0.9

Date:

Rev:
Id: 4/4