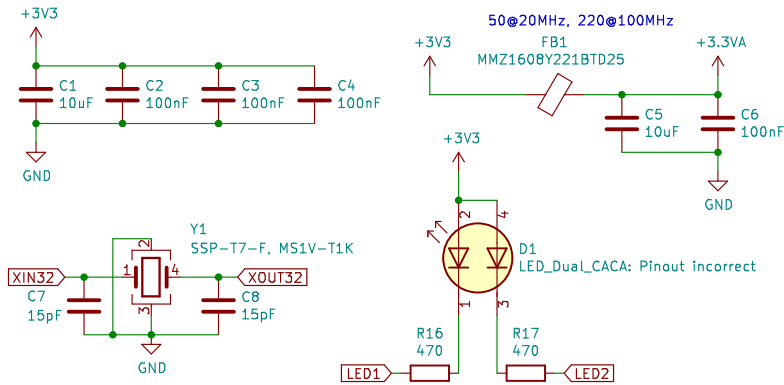
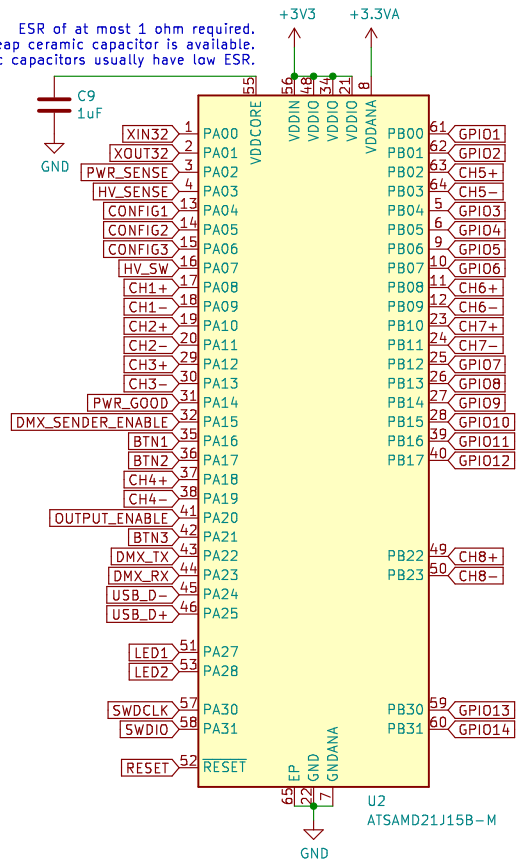


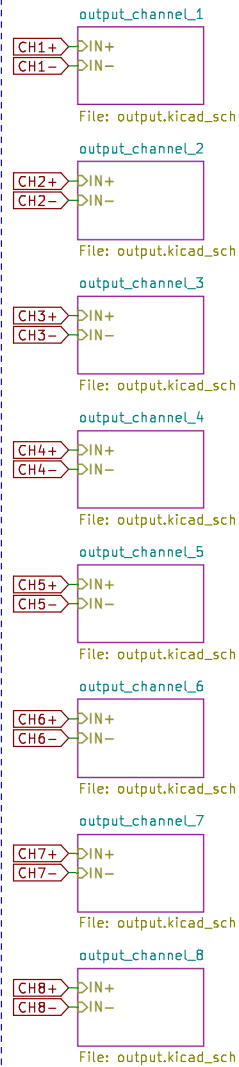
SAM D21 MCU



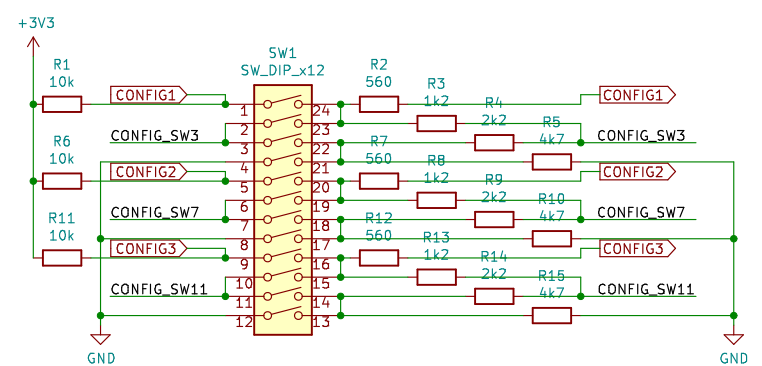
ESR of at most 1 ohm required.
However a cheap ceramic capacitor is available.
Ceramic capacitors usually have low ESR.



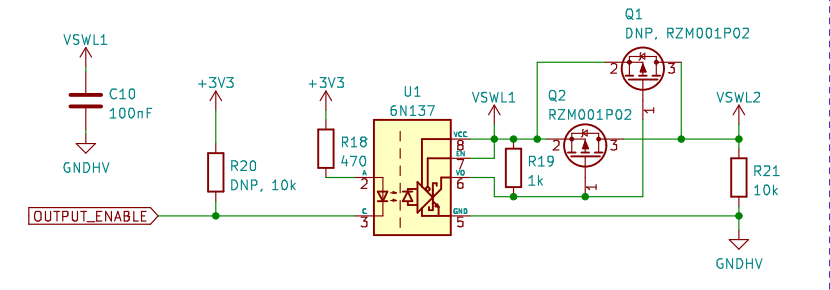
Output Channels



DMX channel switches



Output enable circuit

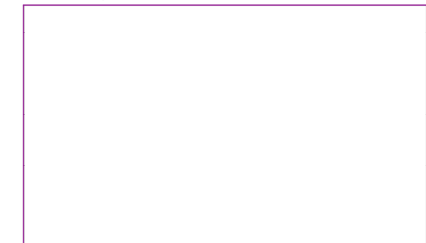


Power supply



File: power.kicad_sch

connectivity



File: connectivity.kicad_sch

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Sheet: /
File: ELController.kicad_sch

Title: EL Controller

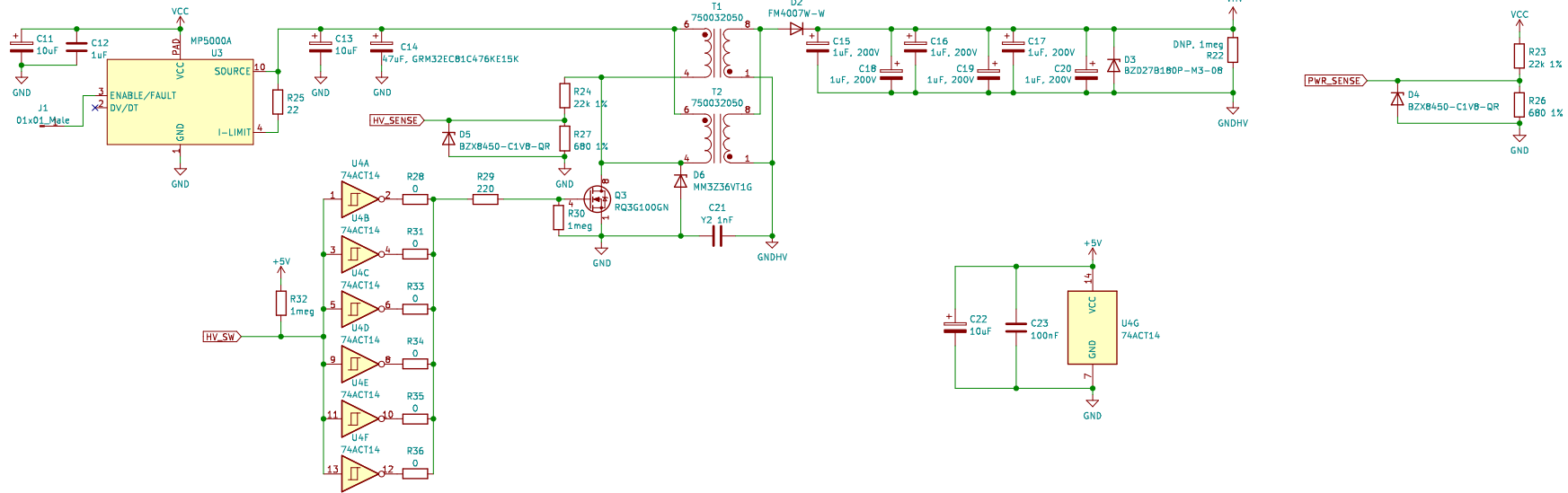
Size: A4 Date: 2022-01-22

KiCad E.D.A. kicad 6.0.4

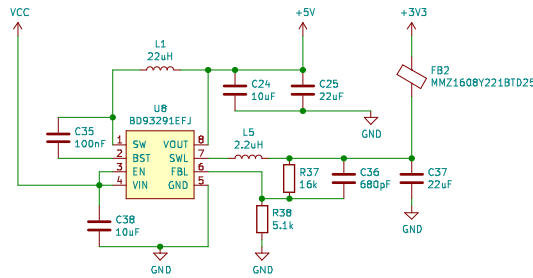
Rev: 1

Id: 1/11

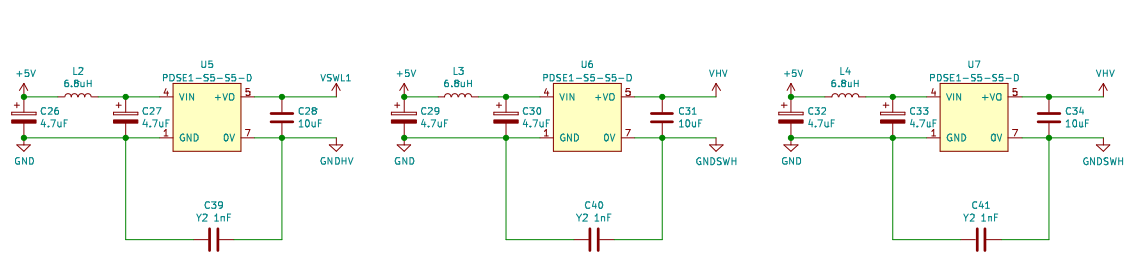
170V Power supply



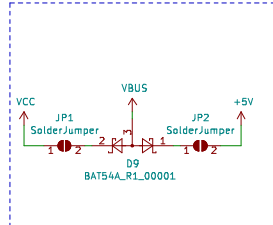
Logic power supply



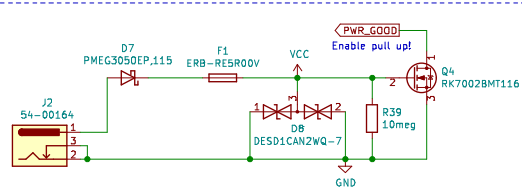
High voltage switching supply



USB power input



Power Input



Light by Chrislan Baldus

Sheet: /Power supply/

File: power.kicad_sch

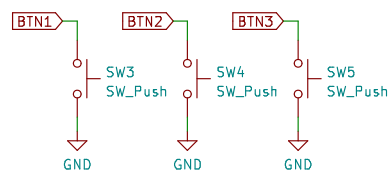
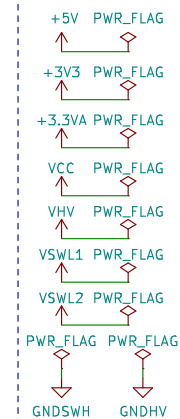
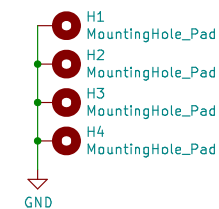
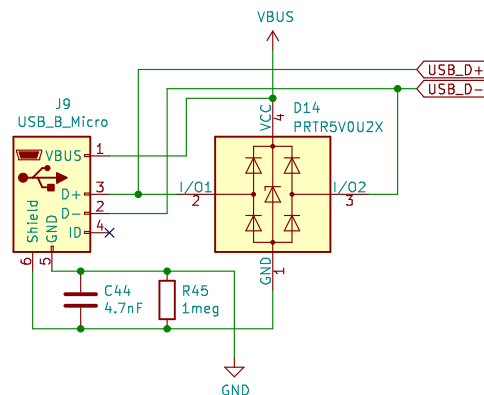
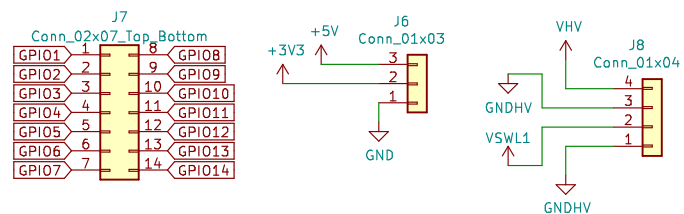
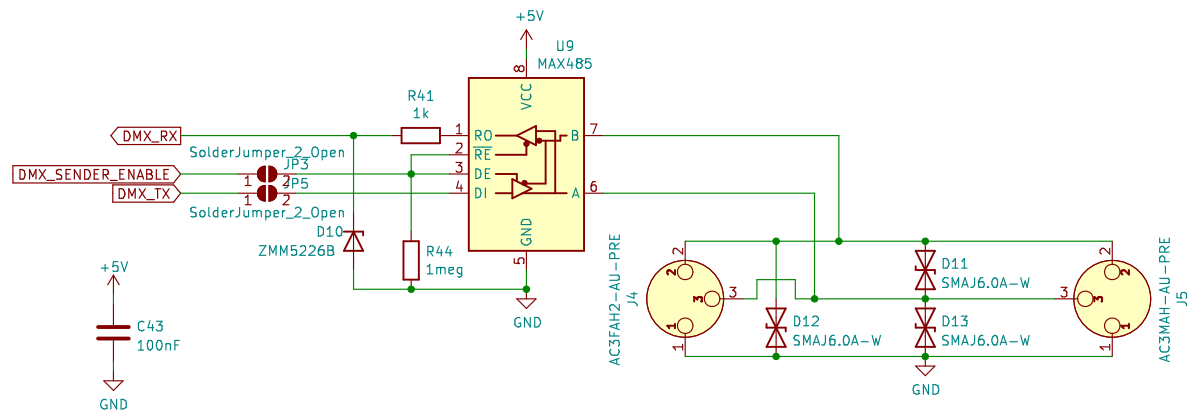
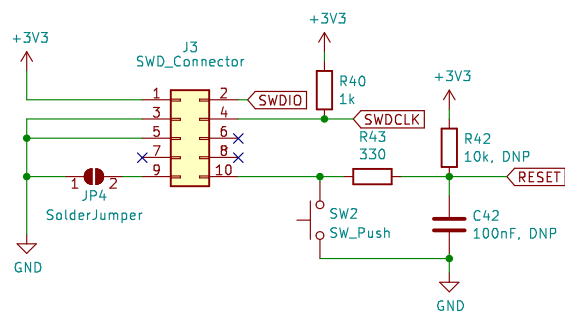
Title: EL Controller - Power supply

Size: A3 Date: 2022-01-22

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Rev: 1

Id: 2/11



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Sheet: /connectivity/
File: connectivity.kicad_sch

Title: EL Controller – Connectors

Size: A4	Date: 2022-01-22
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Size: A4	Date: 2
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Rev: 1

Id: 3/11

