

IORodeo for Reiserlab © Janelia

Sheet: /
File: teensy_arena_12-12.kicad_sch

Title: 12-12 Teensy G4.1 Arena Modular LED Display

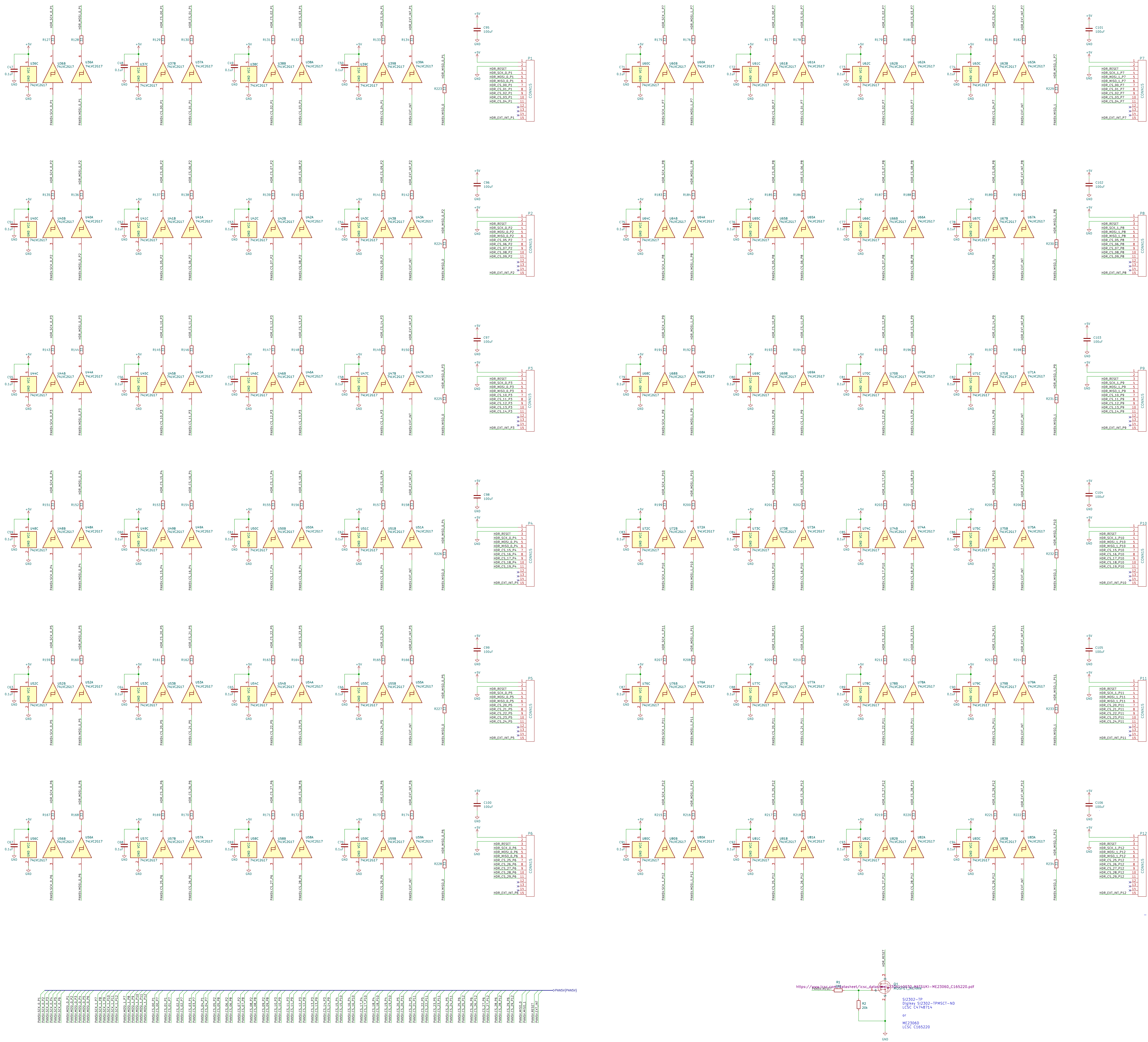
Size: USLetter Date: 2024-12-23
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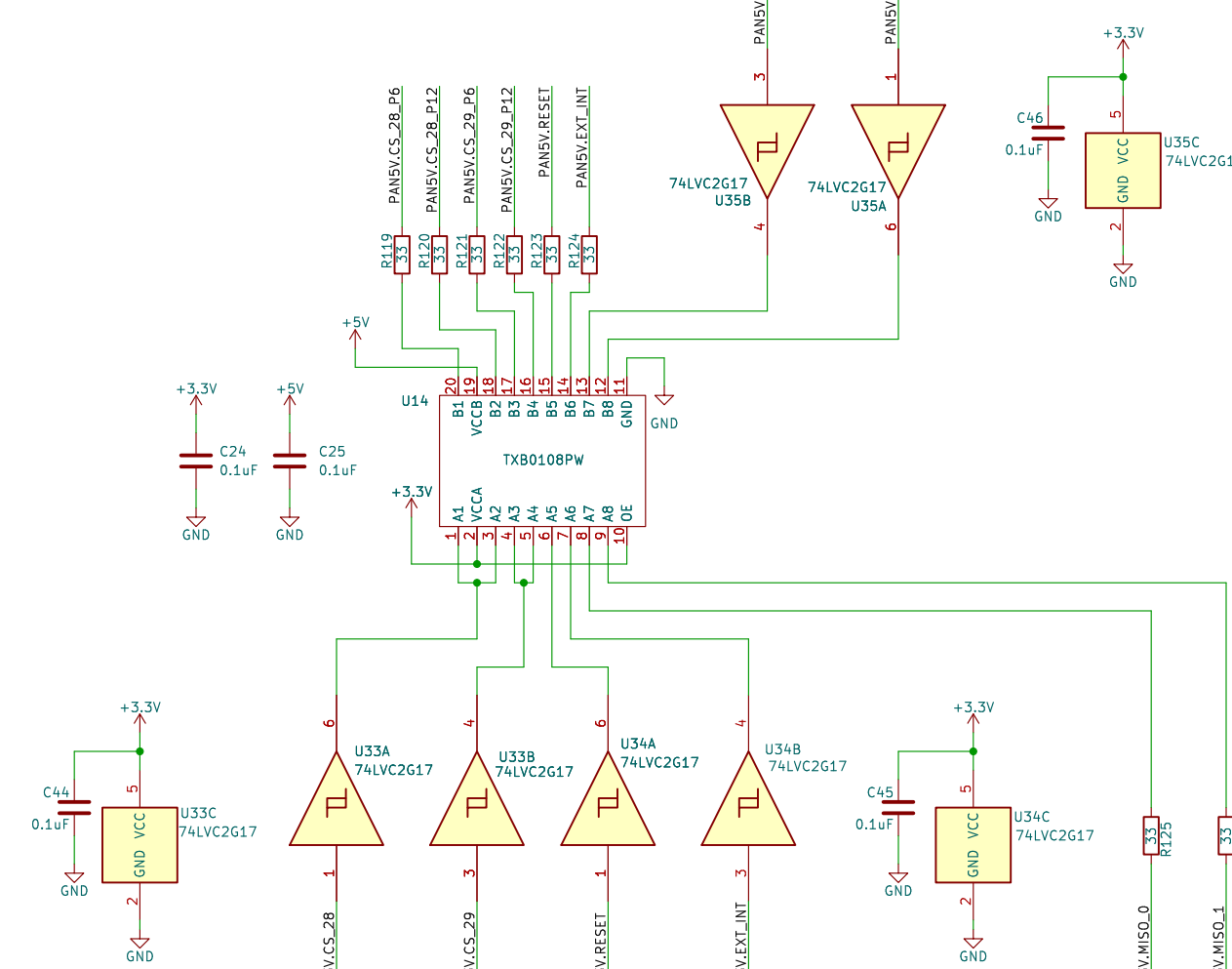
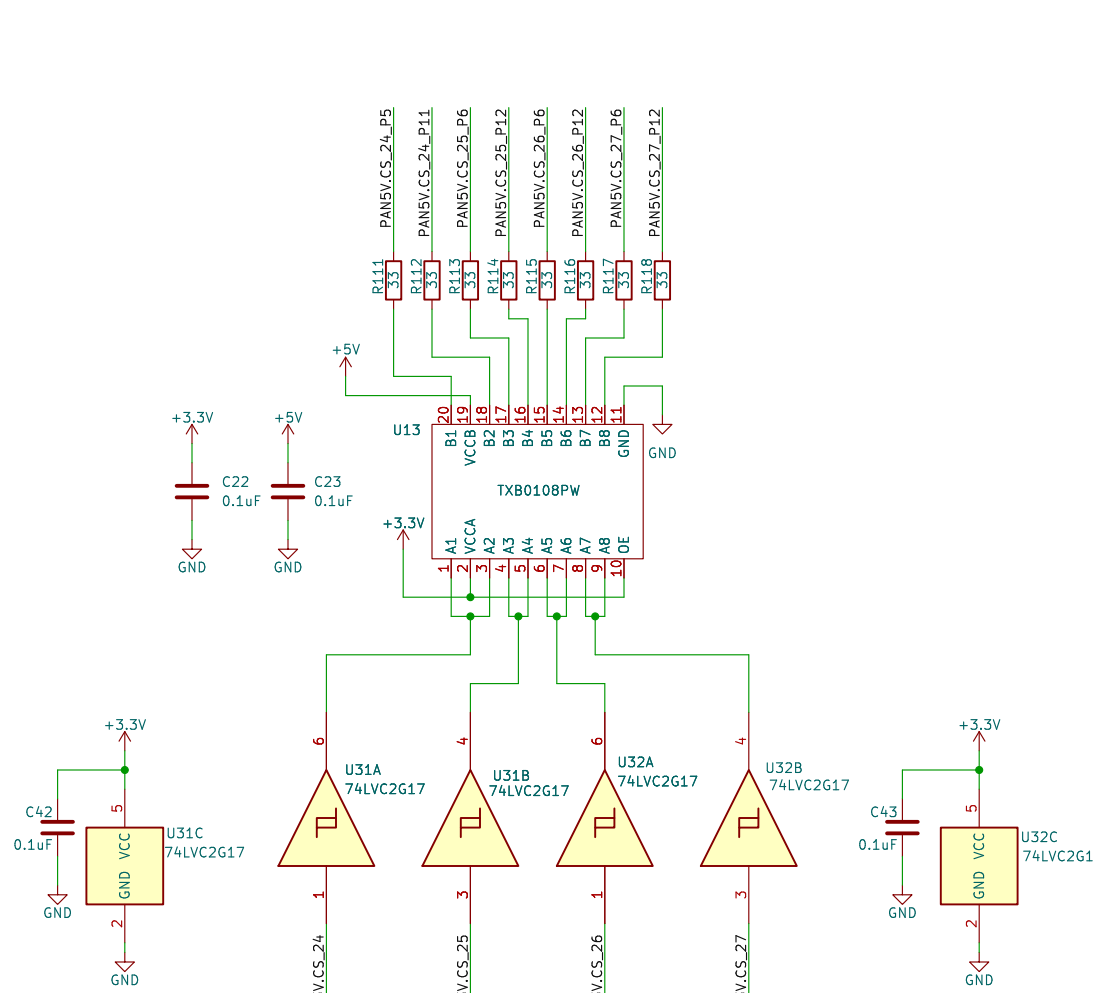
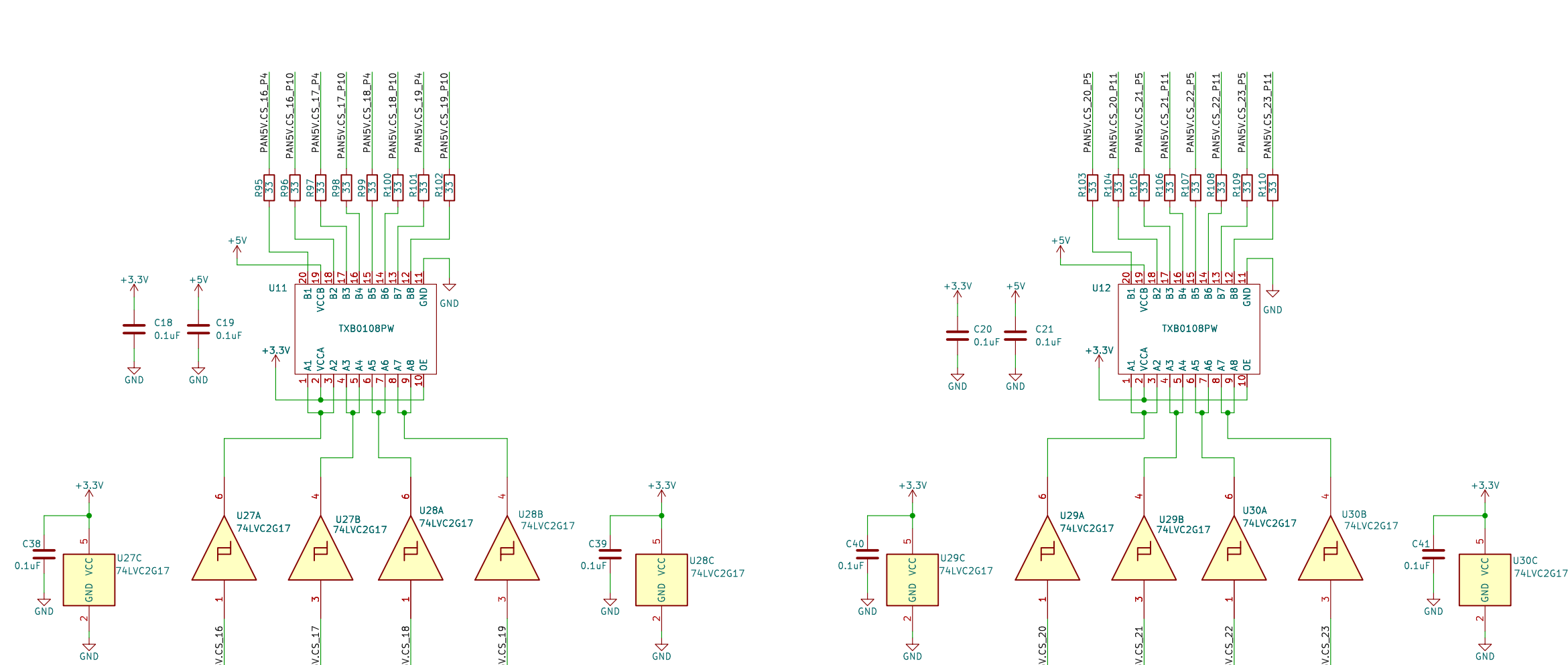
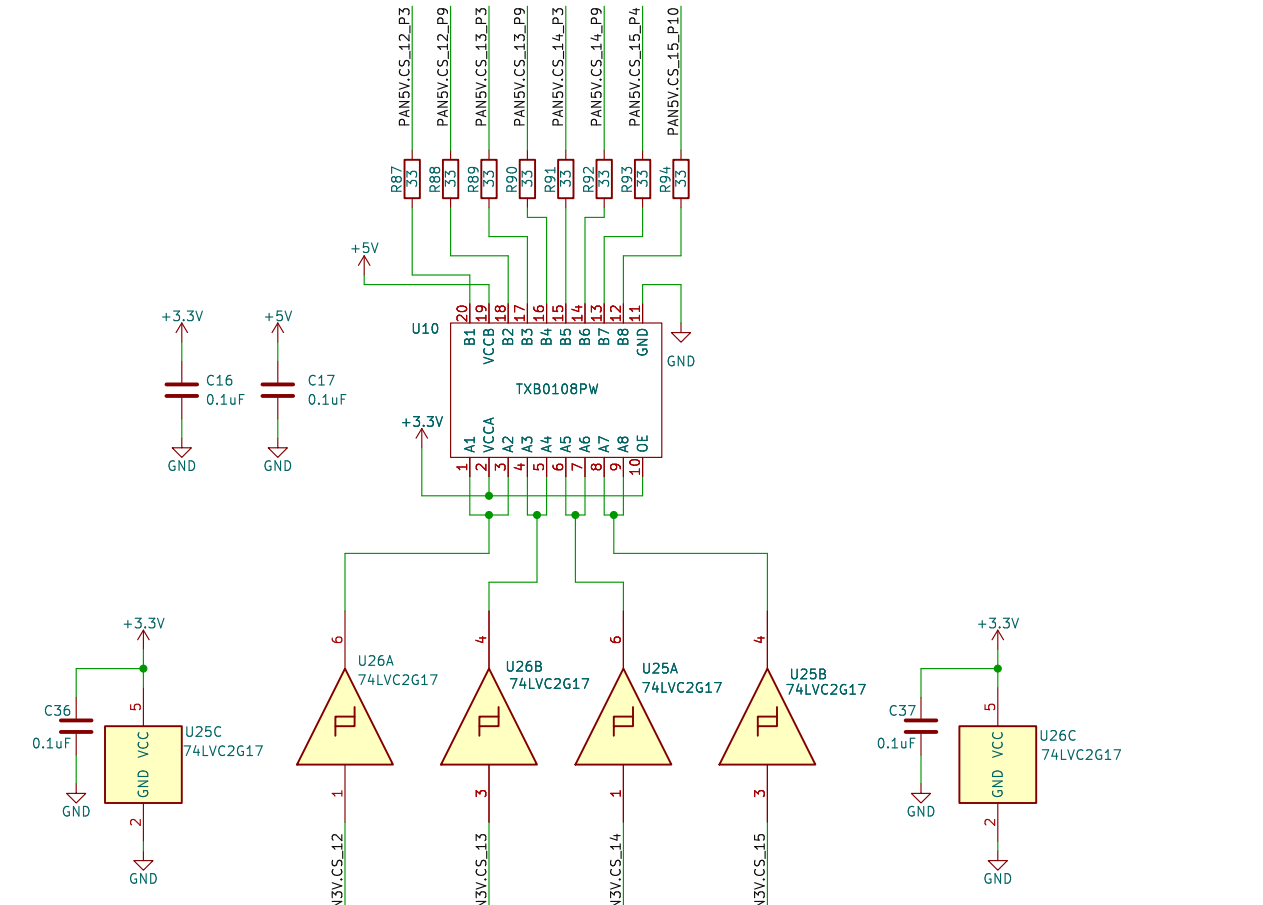
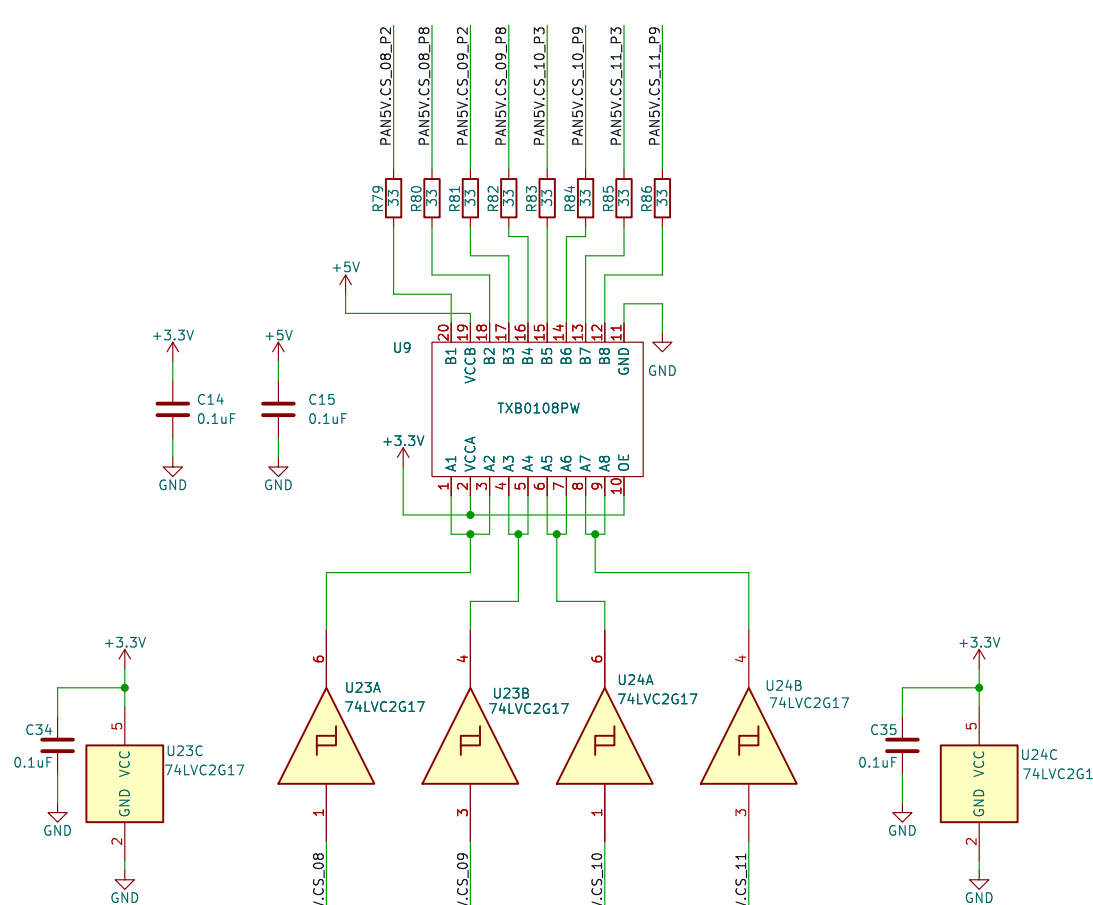
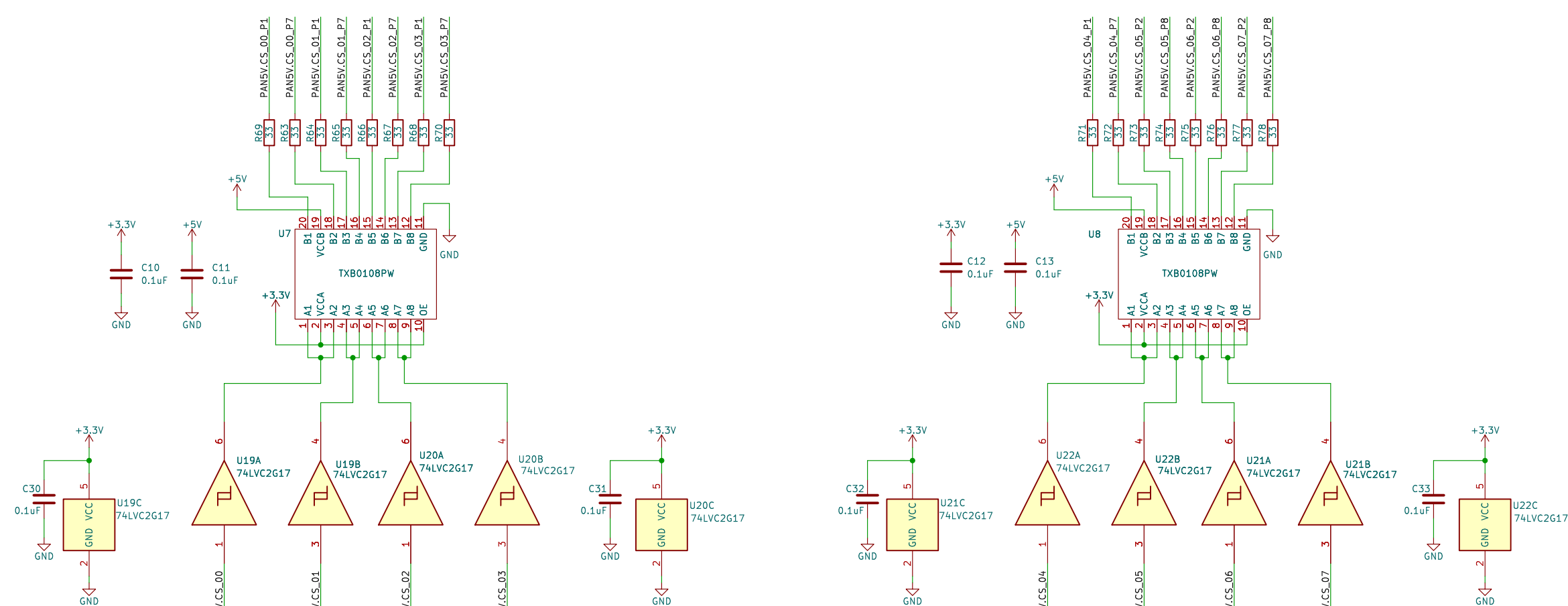
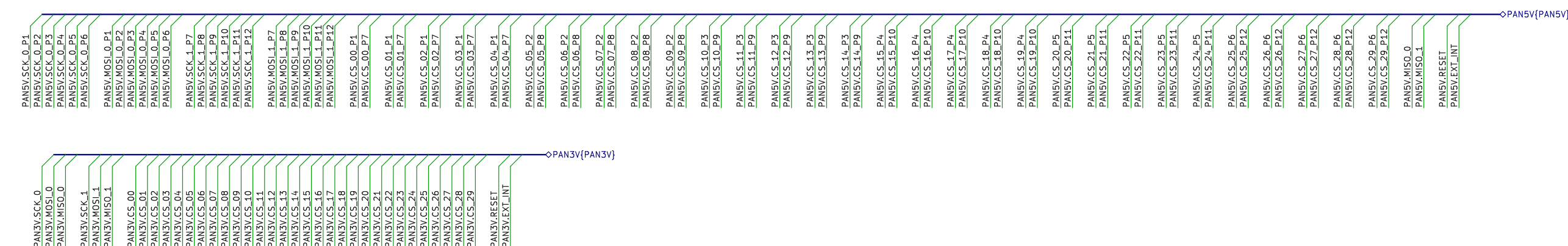
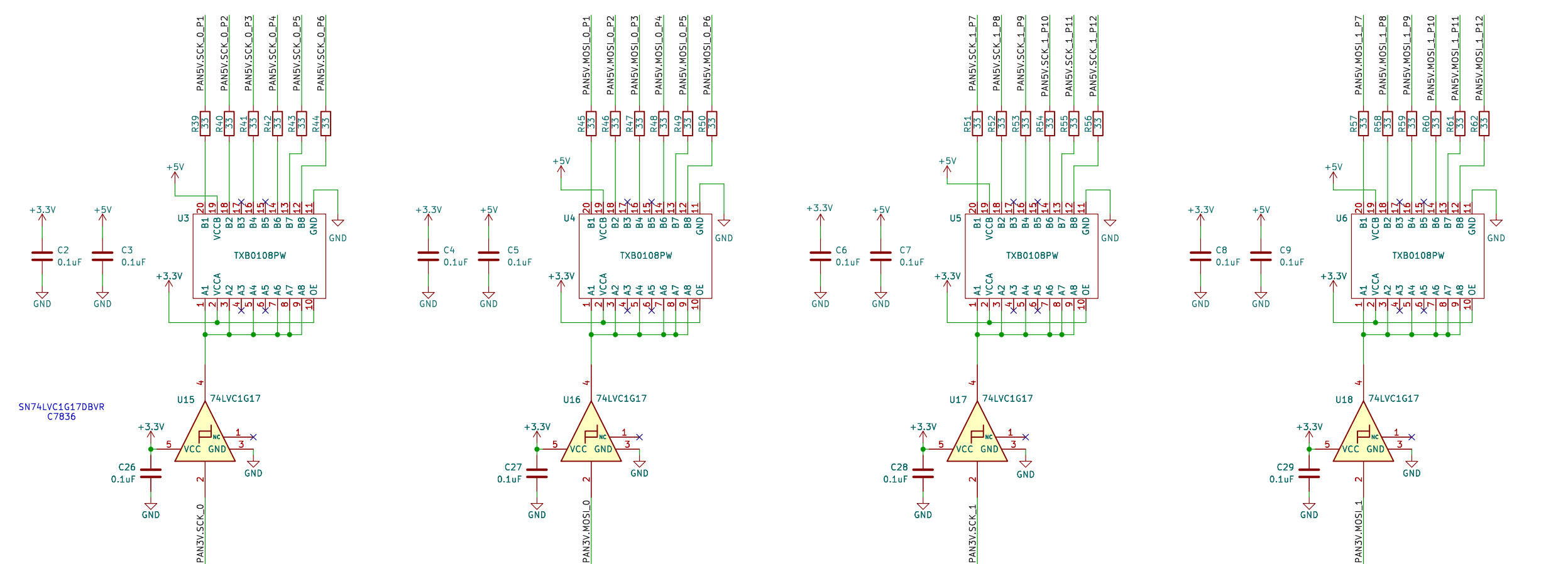
Panel Headers

Swap A and B units for better routing?

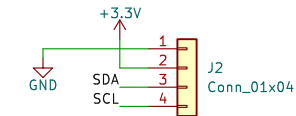
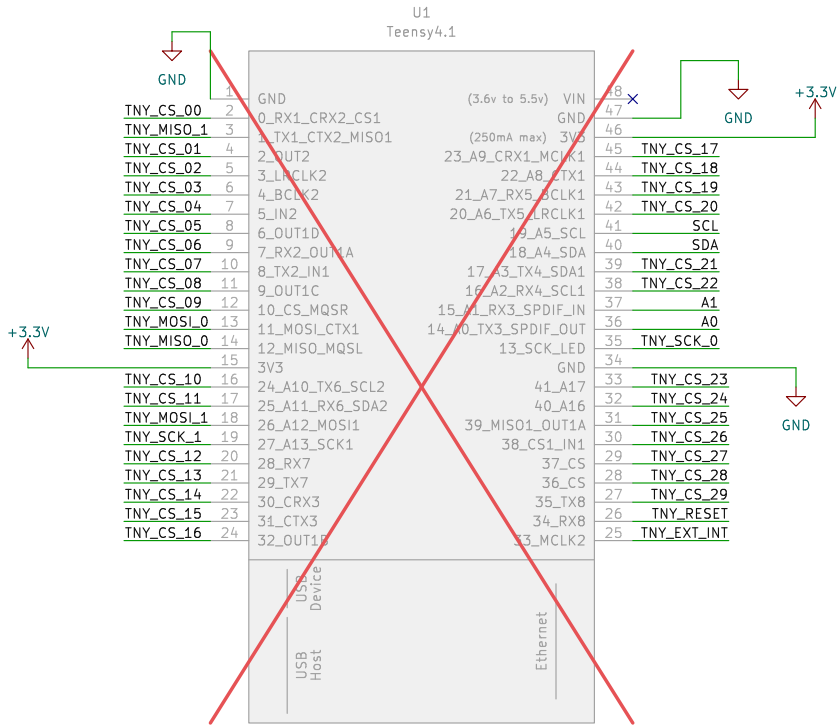
Panel base capacitor: C7432790 16V 100uF



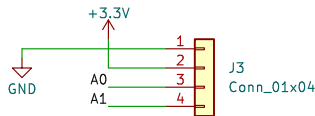
Level Shifters



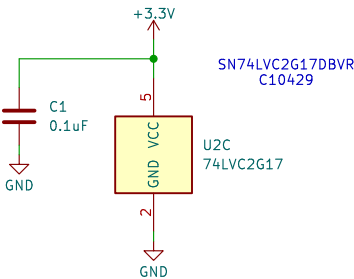
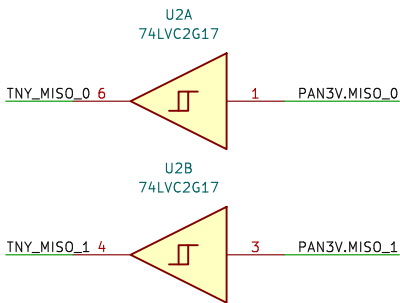
Teensy



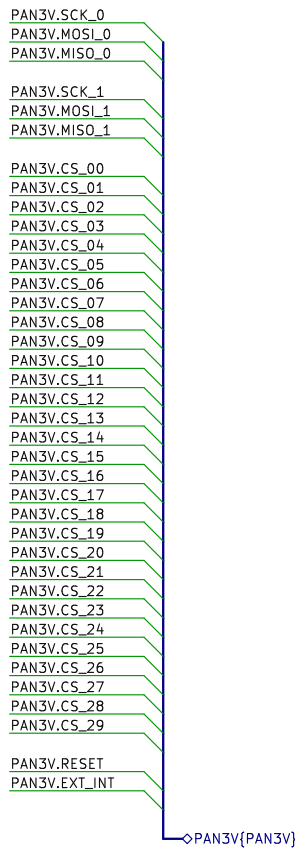
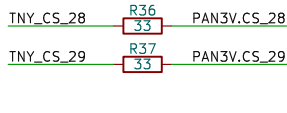
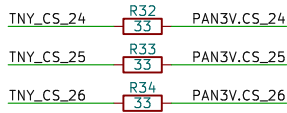
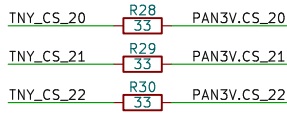
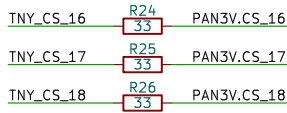
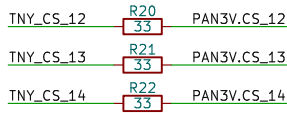
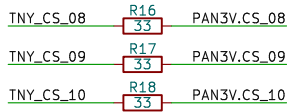
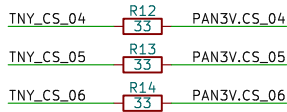
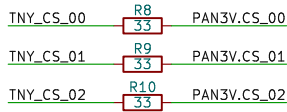
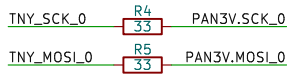
I2C connections for analog outputs, sensors etc.



Analog inputs



SN74LVC2G17DBVR C10429



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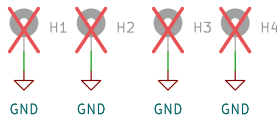
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File: teensy.kicad_sch

Title: 12-12 Teensy G4.1 Arena Modular LED Display

Size: User Date: 2024-12-23
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Ground Holes



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Title: 12–12 Teensy G4.1 Arena Modular LED Display

Size: A4

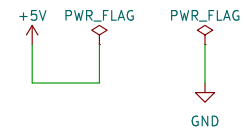
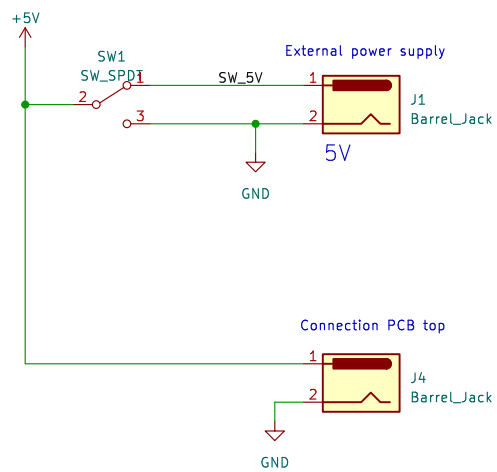
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Power



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