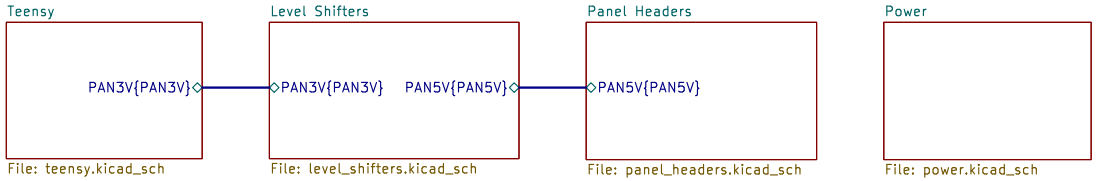
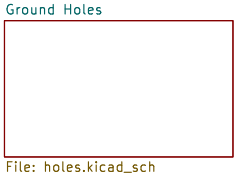
12-12 Teensy Arena





IORodeo for Reiserlab @ Janelia

Sheet: /

File: arena_12-12_v10_teensy.kicad_sch

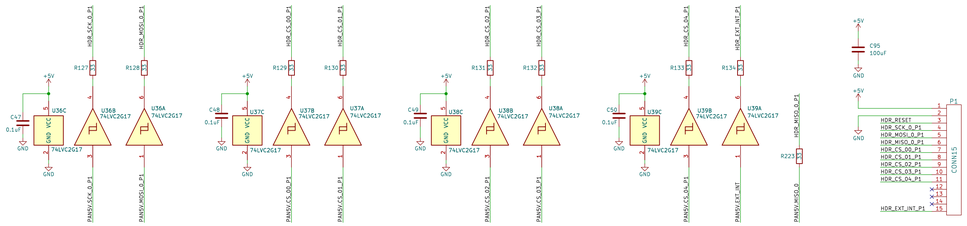
Title: Arena 12-12 Teensy Modular LED Display

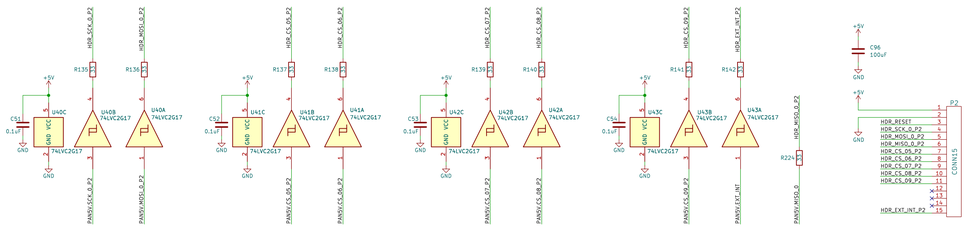
Size: USLetter	Date: 2024-12-23	**Rev: v10.3**
KiCad E.D.A. 9.0.6		Id: 1/6

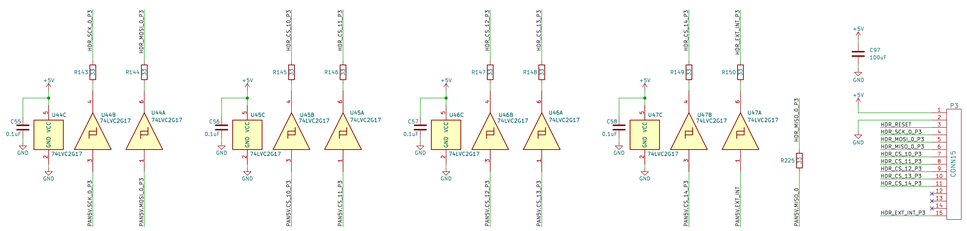
Panel Headers

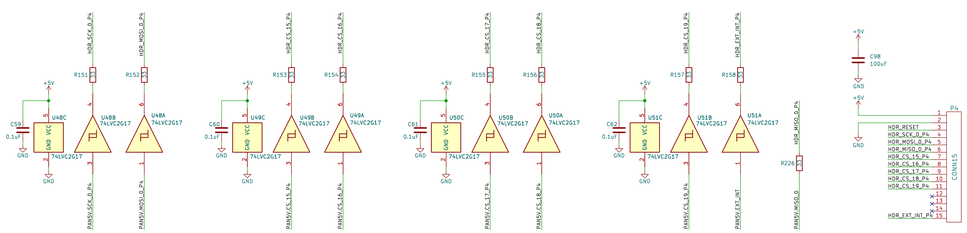
Swap A and B units for better routing?

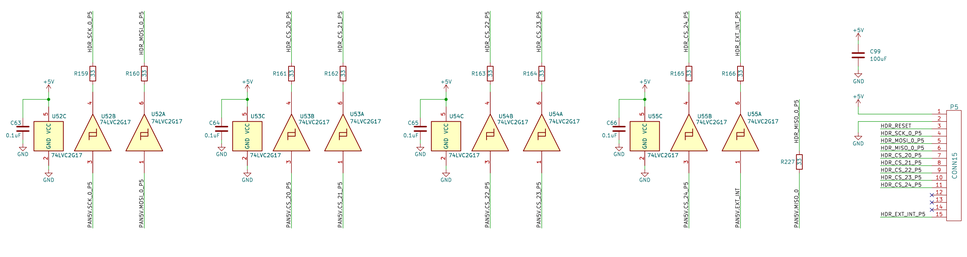
Panel base capacitor: C7432790 16V 100uF

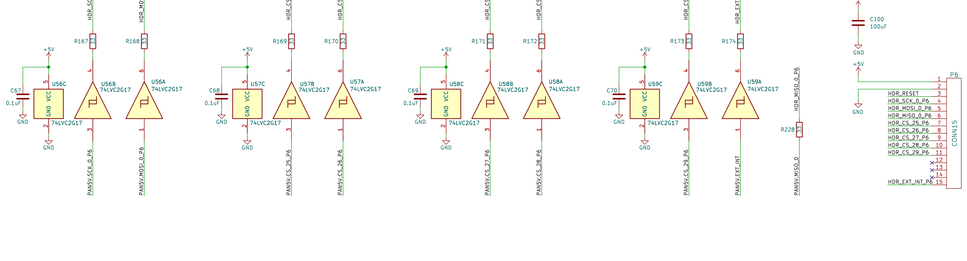


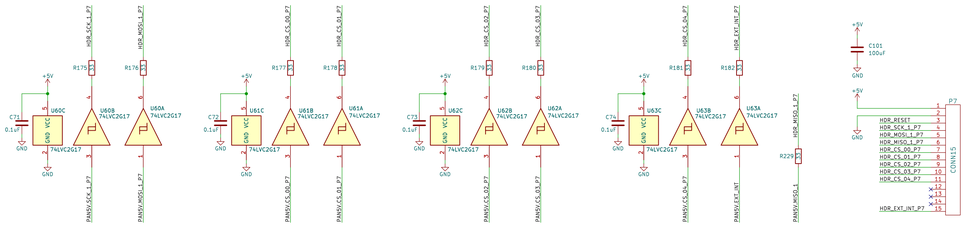


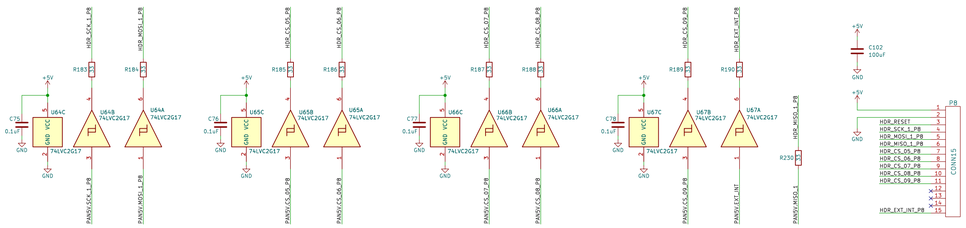


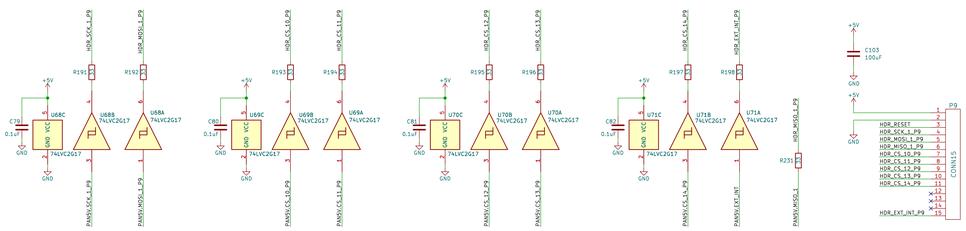


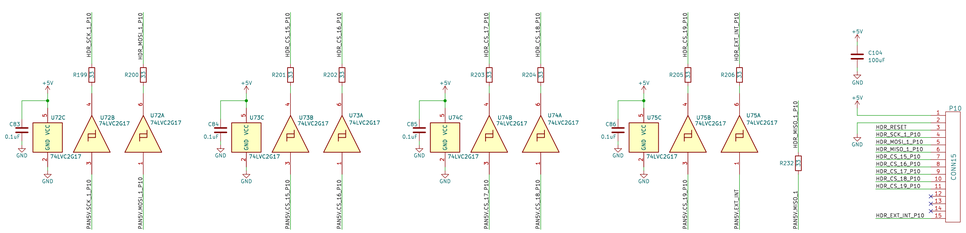


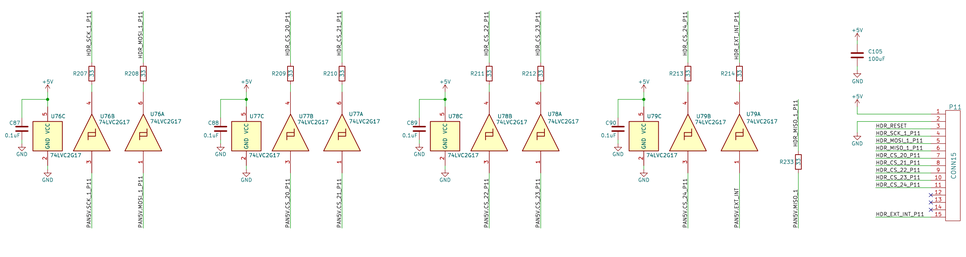


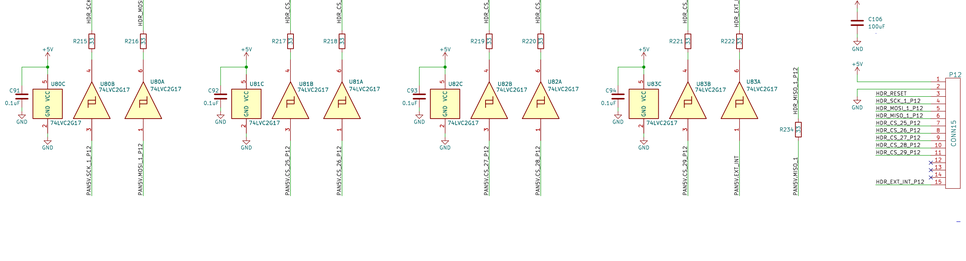


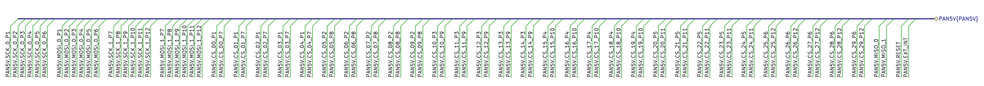


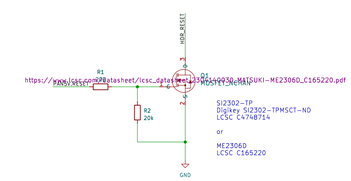












IORodeo for Relserlab ✪ Janella

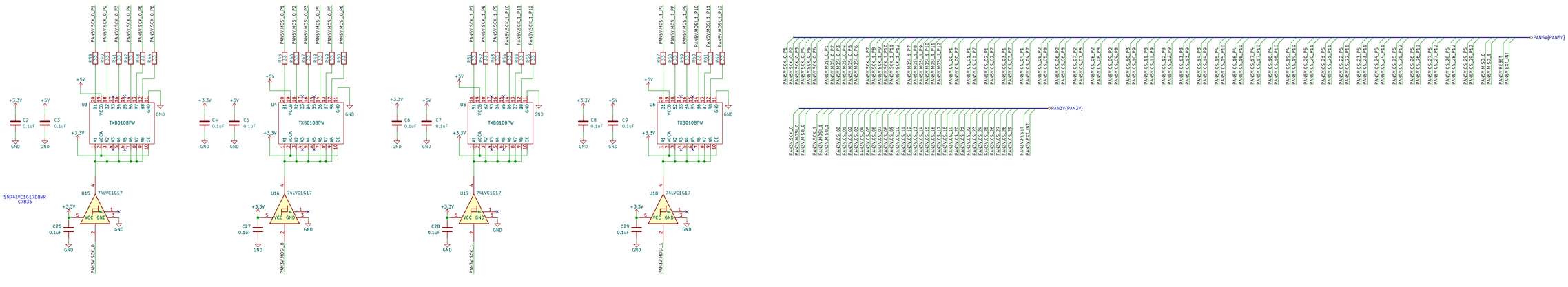
Sheet: /Panel Headers/

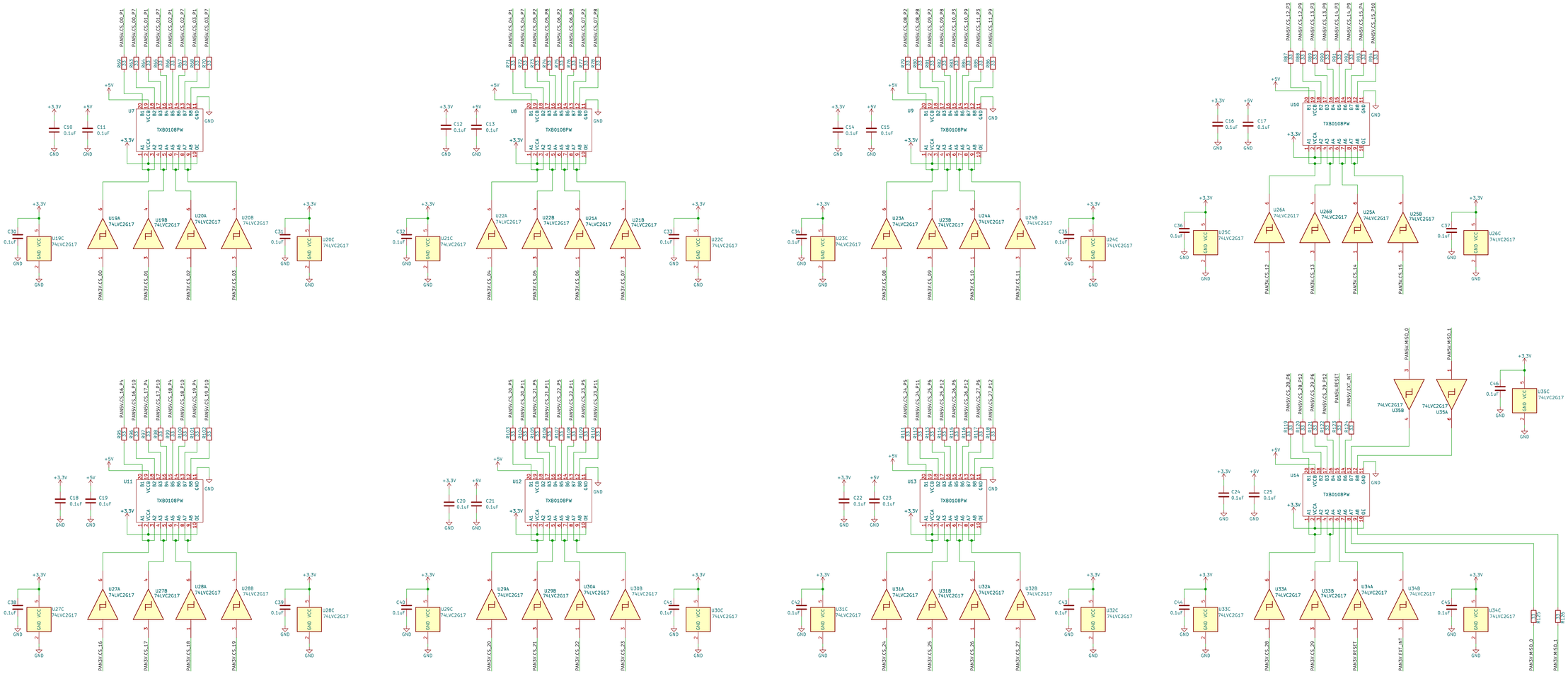
File: panel_headers.kicad_sch

Title: Arena 12-12 Teensy Modular LED Display

Size: User	Date: 2024-12-25	Rev: v10.3
KiCad E.D.A. 9.0.6		Id: 2/6

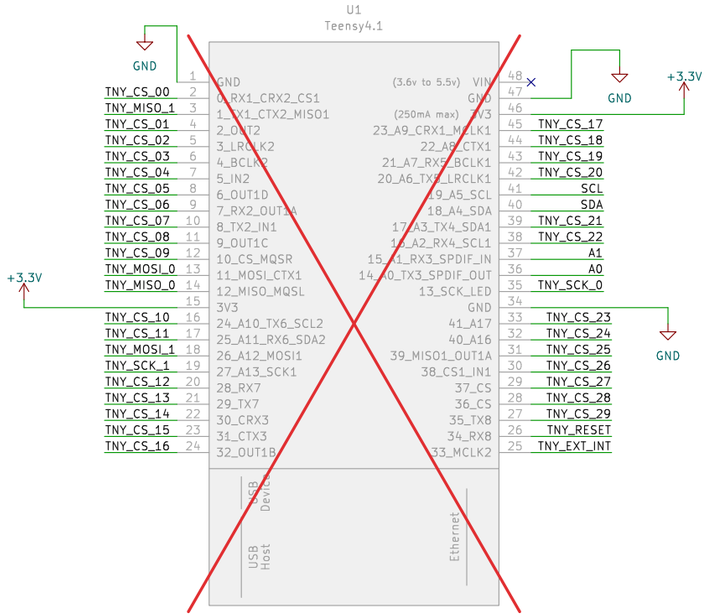
Level Shifters

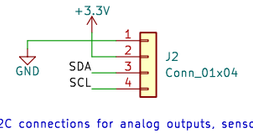




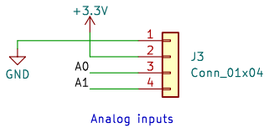
IORodeo for Reiserlab ● Janella		
Sheet: /Level Shifters/		
File: level_shifters.kicad_sch		
Title: Arena 12-12 Teensy Modular LED Display		
Size: User	Date: 2024-12-23	**Rev: v10.3**
KiCad E.D.A. 9.0.6		Id: 3/6

Teensy

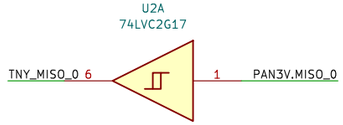


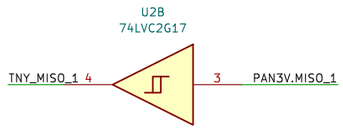


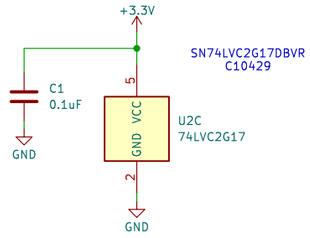
I2C connections for analog outputs, sensors etc.

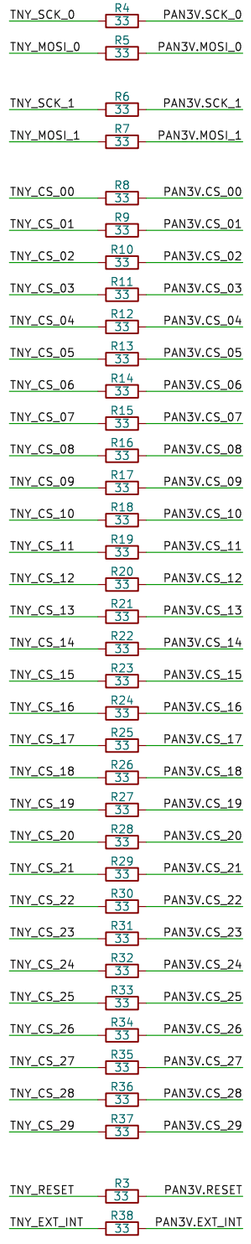


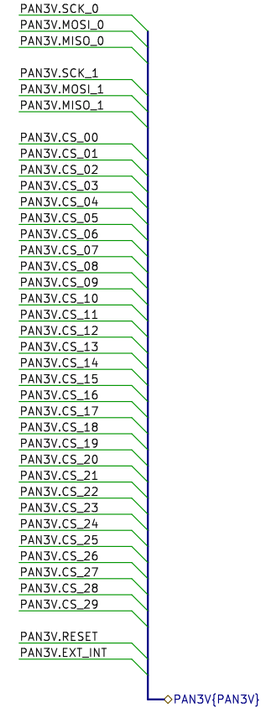
Analog inputs











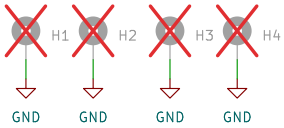
IORodeo for Reiserlab @ Janelia

Sheet: /Teensy/
File: teensy.kicad_sch

Title: Arena 12–12 Teensy Modular LED Display

Size: User	Date: 2024–12–23	**Rev: v10.3**
KiCad E.D.A. 9.0.6		Id: 4/6

Ground Holes



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Sheet: /Ground Holes/
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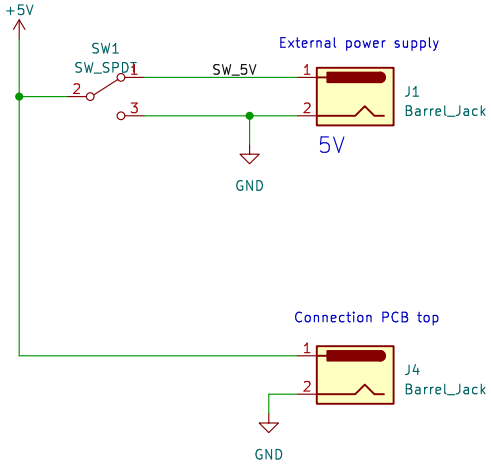
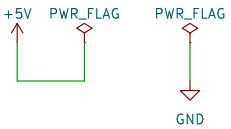
Title: Arena 12–12 Teensy Modular LED Display

Size: A4	Date: 2024-12-23	**Rev: v10.3**
KiCad E.D.A. 9.0.6		Id: 5/6

Power





IORodeo for Reiserlab @ Janelia		
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Title: Arena 12–12 Teensy Modular LED Display		
Size: USLetter	Date: 2024-12-23	**Rev: v10.3**
KiCad E.D.A. 9.0.6		Id: 6/6