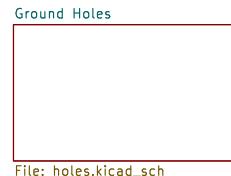
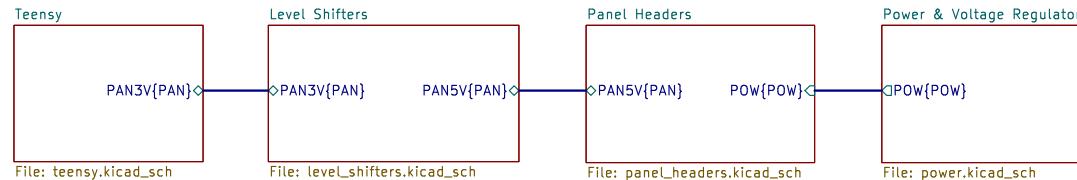


## 12-12 Teensy Arena



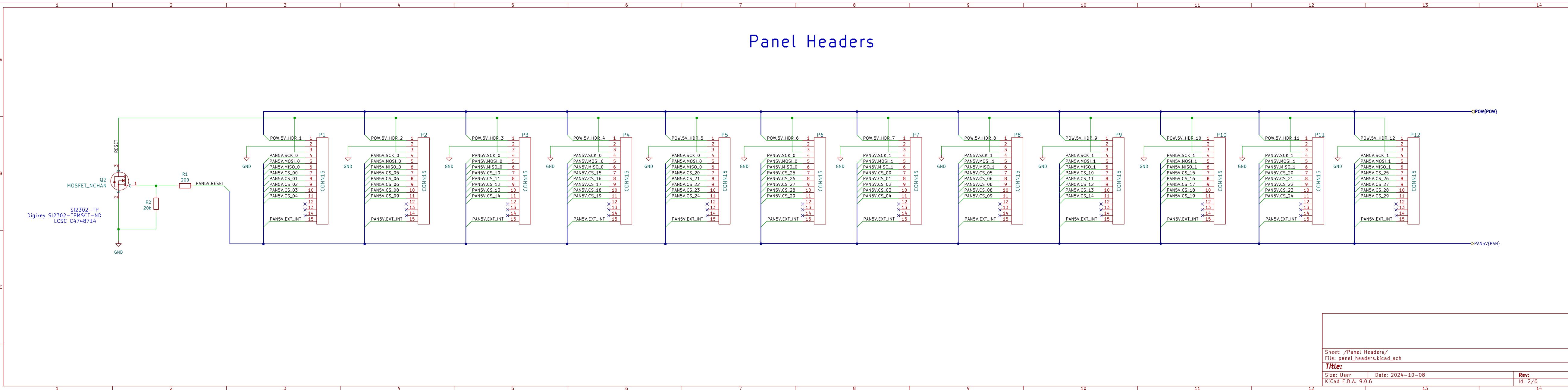
**IORodeo for Reiserlab @Janelia**

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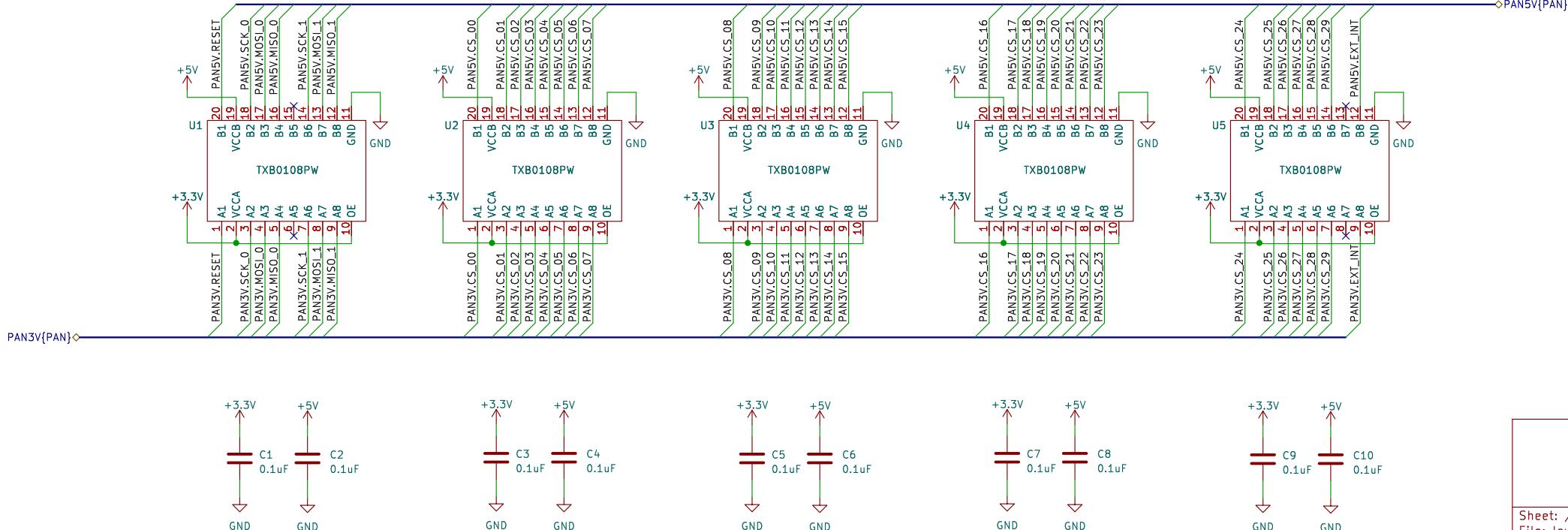
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Size: User	Date: 2024-10-08	Rev: v9.1
KiCad E.D.A. 9.0.6		Id: 1/6

# Panel Headers



# Level Shifters

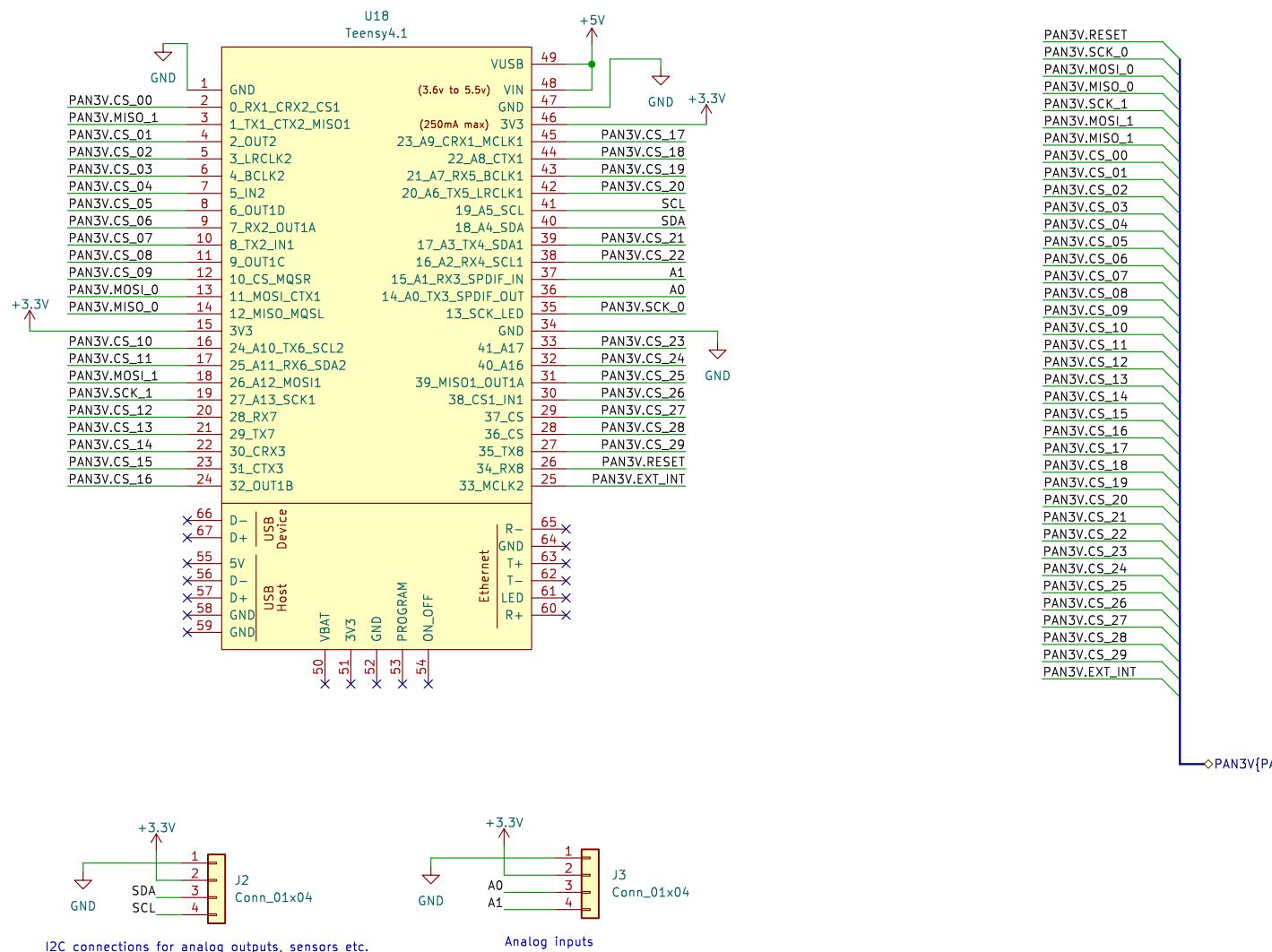


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File: level\_shifters.kicad\_sch

**Title:**

Size: User Date: 2024-10-08  
KiCad E.D.A. 9.0.6

**Rev:**  
Id: 3/6



Sheet: /Teensy/  
File: teensy.kicad\_sch

**Title:**

Size: A4 | Date: 2024-10-08  
KiCad E.D.A. 9.0.6

**Rev:**  
Id: 5/6

1 2 3 4 5 6

A

A

B

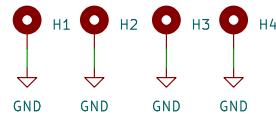
B

C

C

D

D



Sheet: /Ground Holes/  
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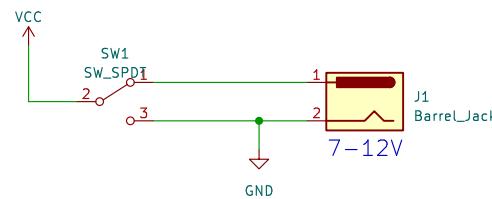
Size: A4 Date: 2024-10-08  
KiCad E.D.A. 9.0.6

**Rev:**  
Id: 6/6

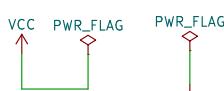
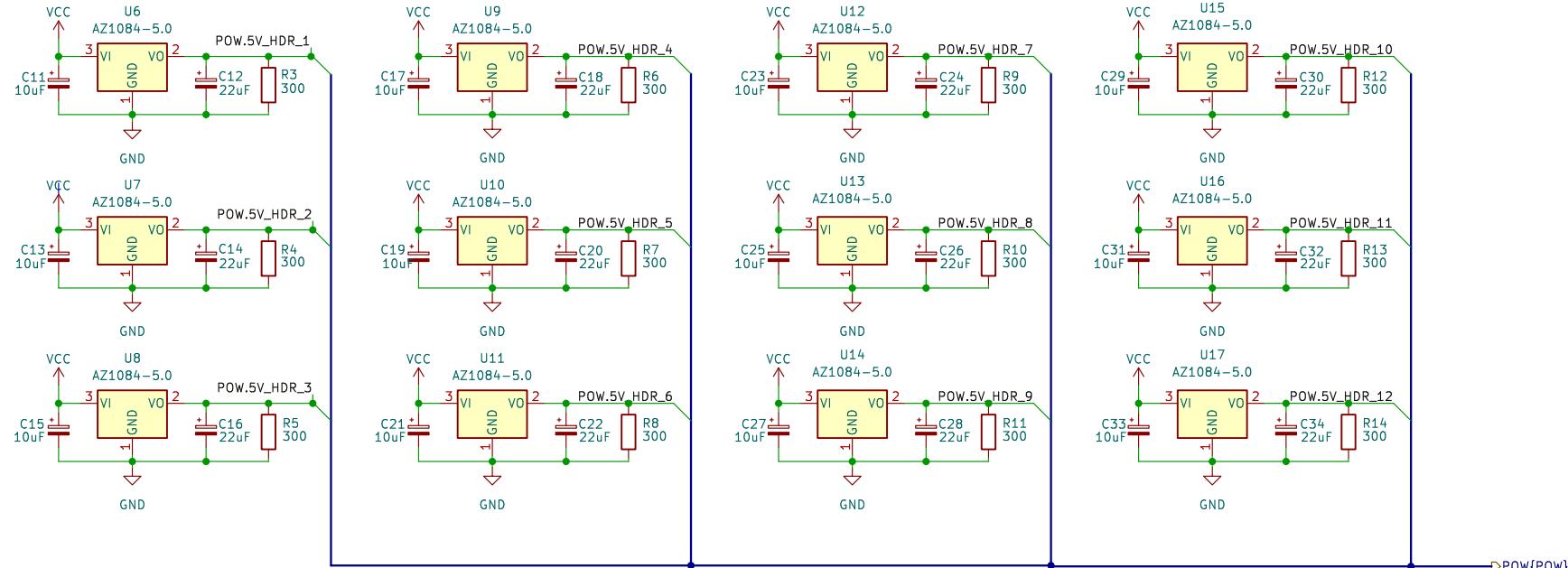
1 2 3 4 5 6

## Power & Voltage Regulation

1 2 3 4 5 6



1. Voltage regulator  
input: 7-12V  
output: 5V, 5A  
AZ1084CD-5.0TRG1  
C2980701
2. 300 Ohm resistor for minimum load  
C17887 SMD 1206



Sheet: /Power & Voltage Regulators/  
File: power.kicad\_sch

**Title:**

Size: A4 Date: 2024-10-08

KiCad E.D.A. 9.0.6

**Rev:**  
Id: 6/6

1 2 3 4 5 6