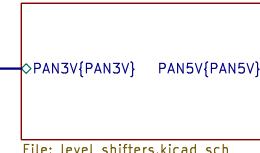


12-12 NI Arena

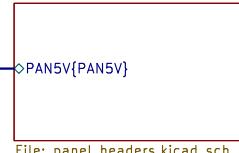
NI Connector



Level Shifters



Panel Headers



Power & Voltage Regulators



Ground Holes



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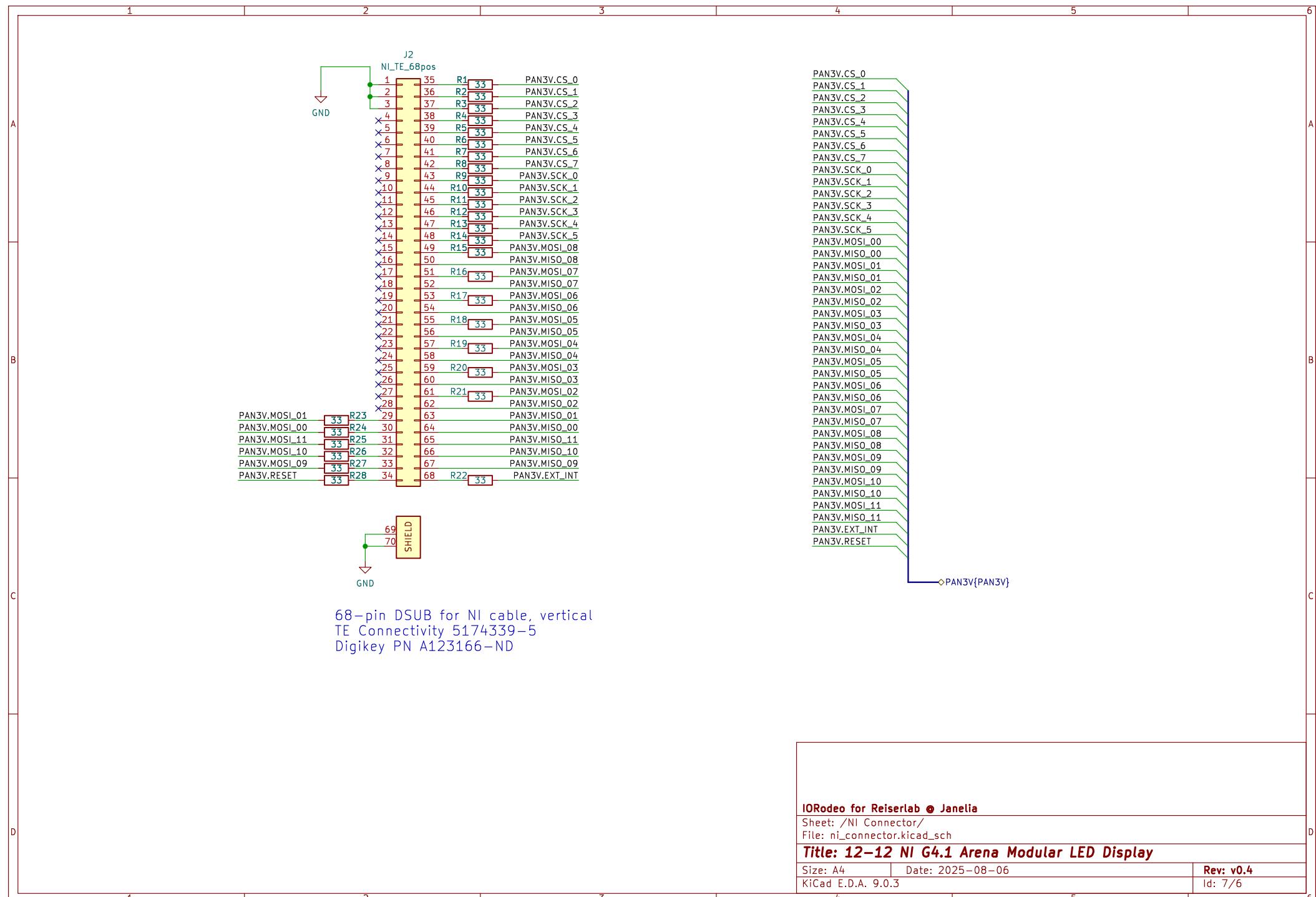
IORodeo for Reiserlab @ Janelia

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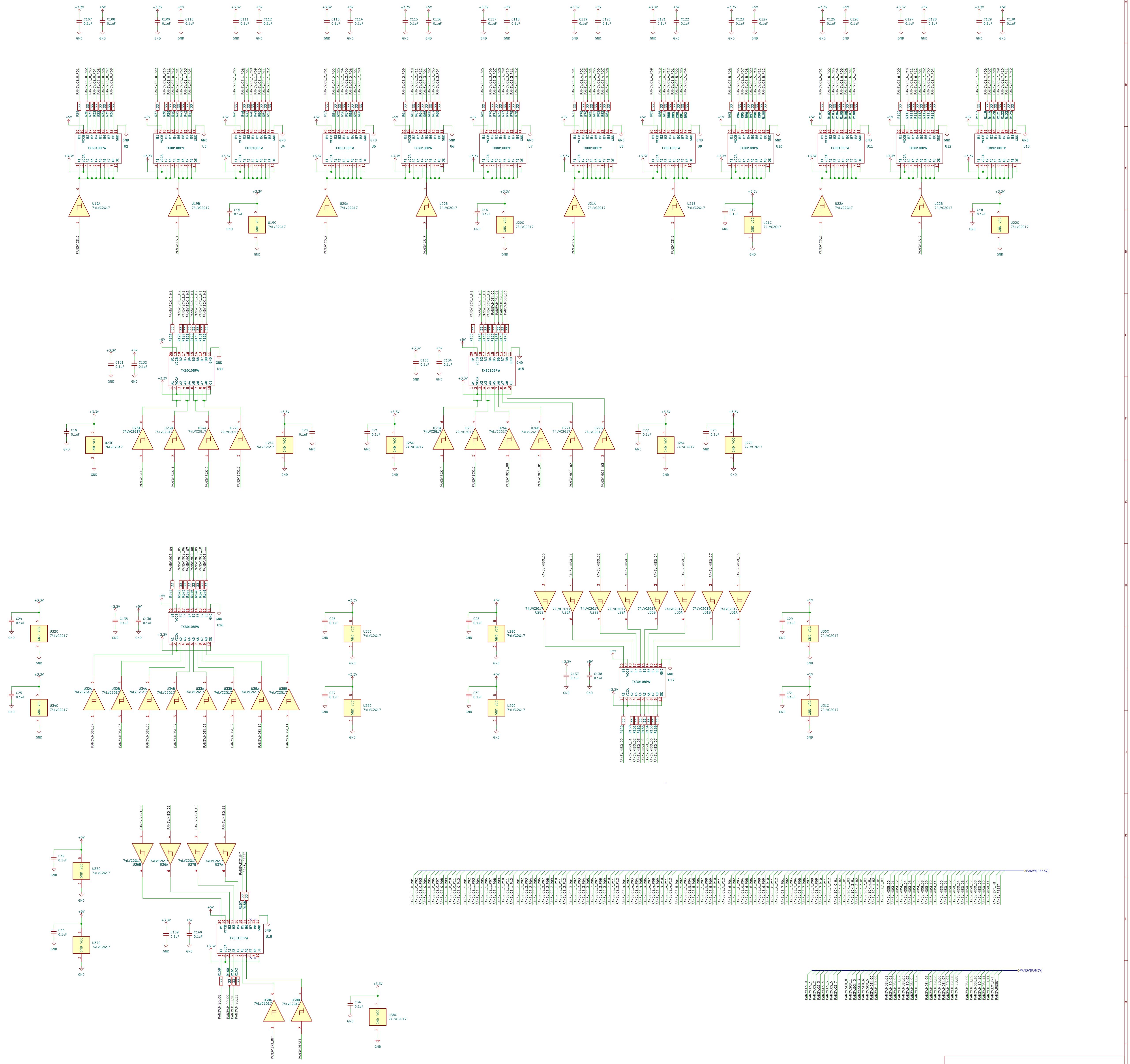
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Size: User Date: 2025-08-06
KiCad E.D.A. 9.0.3

Rev: v0.4
Id: 1/6



Level Shifters



1 2 3 4 5 6

A

A

B

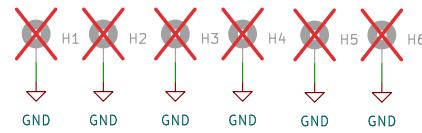
B

C

C

D

D



IORodeo for Reiserlab @ Janelia

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

Size: A4 Date: 2025-08-06


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Rev: v0.4

Id: 6/6

1 2 3 4 5 6

Panel Headers



Panel base capacitor: C7432790 16V 100uF

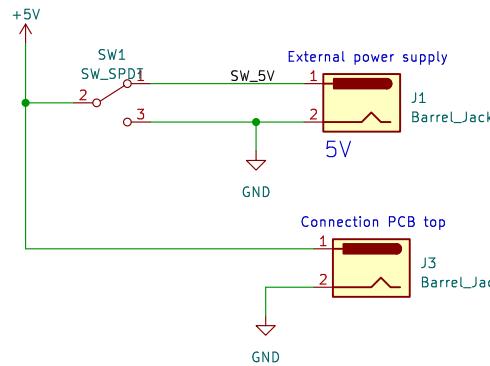
PANSI(PANSI)
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PANSI(PANSI)
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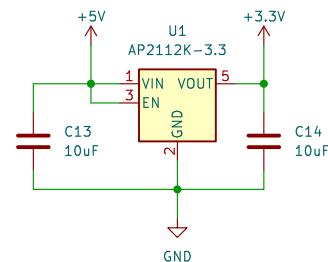
1 2 3 4 5 6

Power & Voltage Regulation

A

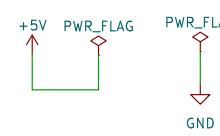


B



3.3V Regulator
Manufacturer PN: AP2112K-3.3TRG1
LCSC PN: C51118
Digikey PN: AP2112K-3.3TRG1DICT-ND

C



D

IORodeo for Reiserlab @ Janelia
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Title: 12-12 NI G4.1 Arena Modular LED Display

Size: A4 Date: 2025-08-06
KiCad E.D.A. 9.0.3

Rev: v0.4
Id: 6/6

1 2 3 4 5 6