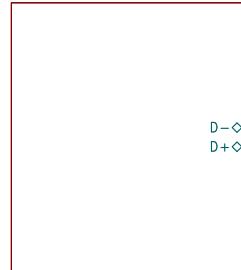


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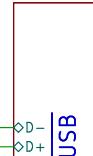
A

panel_usb_power



File: panel_usb_power.kicad_sch

panel_mcu



File: panel_mcu.kicad_sch

Column Pins

COL_MCU_00D
COL_MCU_01D
COL_MCU_02D
COL_MCU_03D
COL_MCU_04D
COL_MCU_05D
COL_MCU_06D
COL_MCU_07D
COL_MCU_08D
COL_MCU_09D
COL_MCU_10D
COL_MCU_11D
COL_MCU_12D
COL_MCU_13D
COL_MCU_14D
COL_MCU_15D
COL_MCU_16D
COL_MCU_17D
COL_MCU_18D
COL_MCU_19D

Row Pins

ROW_MCU_00D
ROW_MCU_01D
ROW_MCU_02D
ROW_MCU_03D
ROW_MCU_04D
ROW_MCU_05D
ROW_MCU_06D
ROW_MCU_07D
ROW_MCU_08D
ROW_MCU_09D
ROW_MCU_10D
ROW_MCU_11D
ROW_MCU_12D
ROW_MCU_13D
ROW_MCU_14D
ROW_MCU_15D
ROW_MCU_16D
ROW_MCU_17D
ROW_MCU_18D
ROW_MCU_19D

drivers

COL_00D
COL_01D
COL_02D
COL_03D
COL_04D
COL_05D
COL_06D
COL_07D
COL_08D
COL_09D
COL_10D
COL_11D
COL_12D
COL_13D
COL_14D
COL_15D
COL_16D
COL_17D
COL_18D
COL_19D

ROW_00D
ROW_01D
ROW_02D
ROW_03D
ROW_04D
ROW_05D
ROW_06D
ROW_07D
ROW_08D
ROW_09D
ROW_10D
ROW_11D
ROW_12D
ROW_13D
ROW_14D
ROW_15D
ROW_16D
ROW_17D
ROW_18D
ROW_19D

panel_leds

COL_00D
COL_01D
COL_02D
COL_03D
COL_04D
COL_05D
COL_06D
COL_07D
COL_08D
COL_09D
COL_10D
COL_11D
COL_12D
COL_13D
COL_14D
COL_15D
COL_16D
COL_17D
COL_18D
COL_19D

ROW_00D
ROW_01D
ROW_02D
ROW_03D
ROW_04D
ROW_05D
ROW_06D
ROW_07D
ROW_08D
ROW_09D
ROW_10D
ROW_11D
ROW_12D
ROW_13D
ROW_14D
ROW_15D
ROW_16D
ROW_17D
ROW_18D
ROW_19D

Column Pins

Row Pins

File: panel_led.kicad_sch

B

panel_header



File: panel_header.kicad_sch

C

D

IORodeo for Reiserlab @ Janelia

Sheet: /
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Title: G6 panel 45mm RP2354

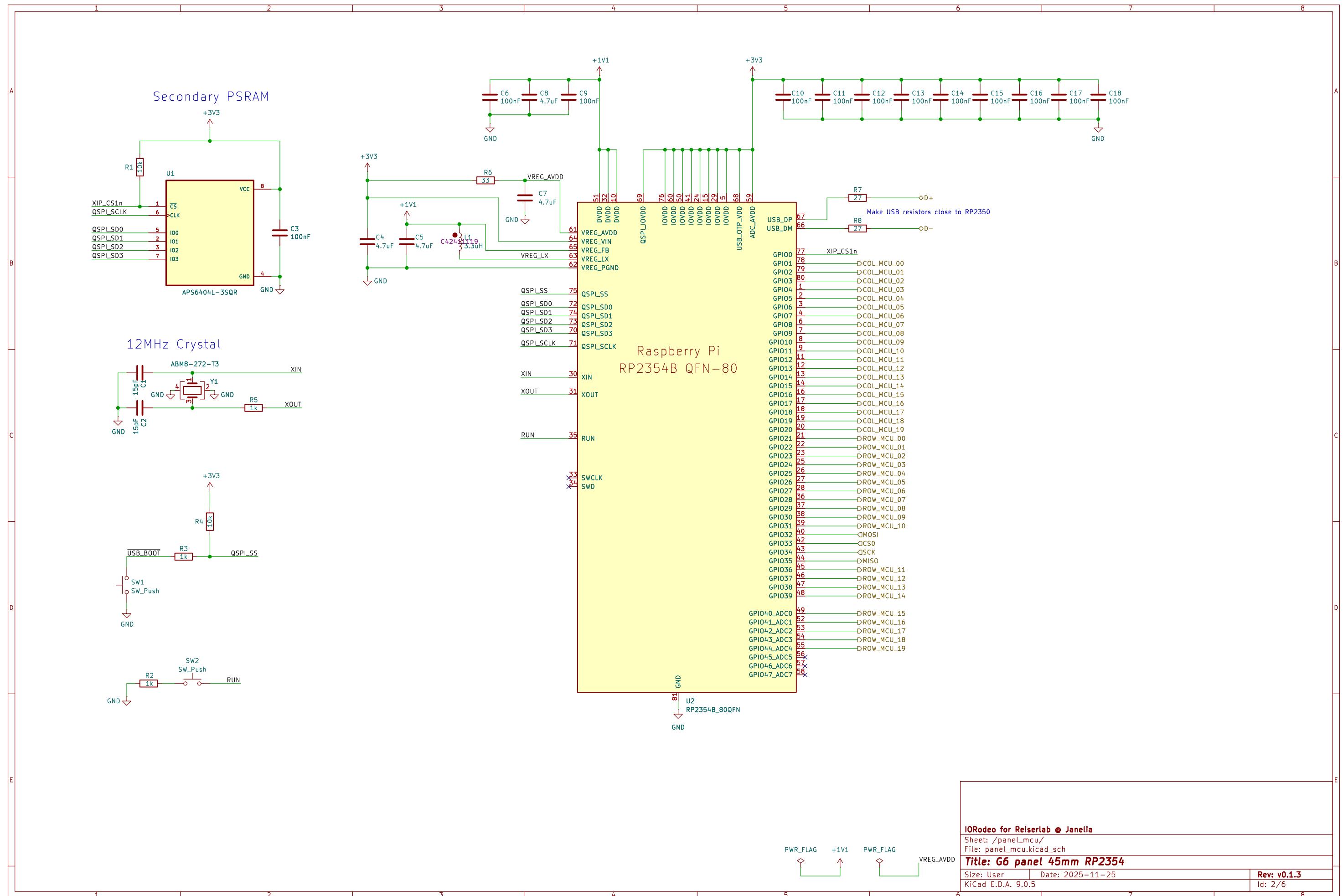
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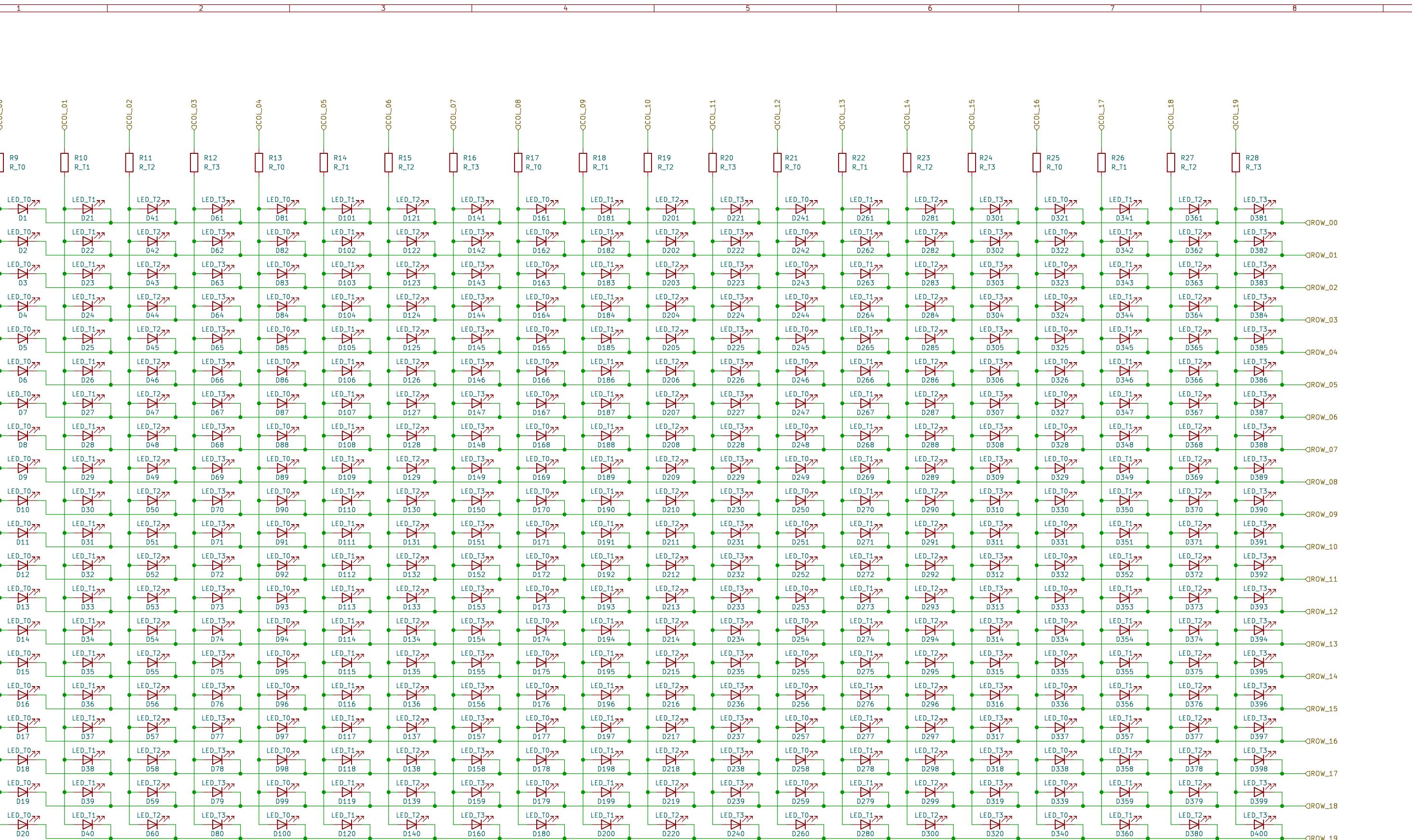
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Rev: v0.1.3

Id: 1/6

1 2 3 4 5





IORodeo for Reiserlab @ Janetia

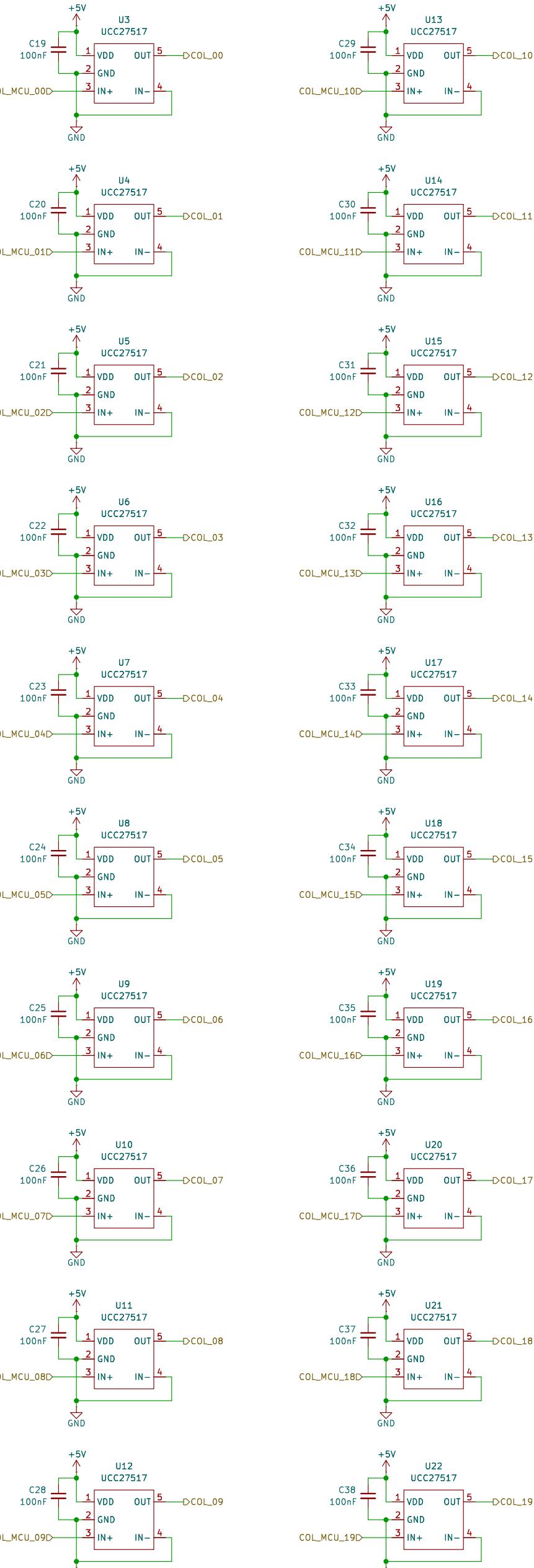
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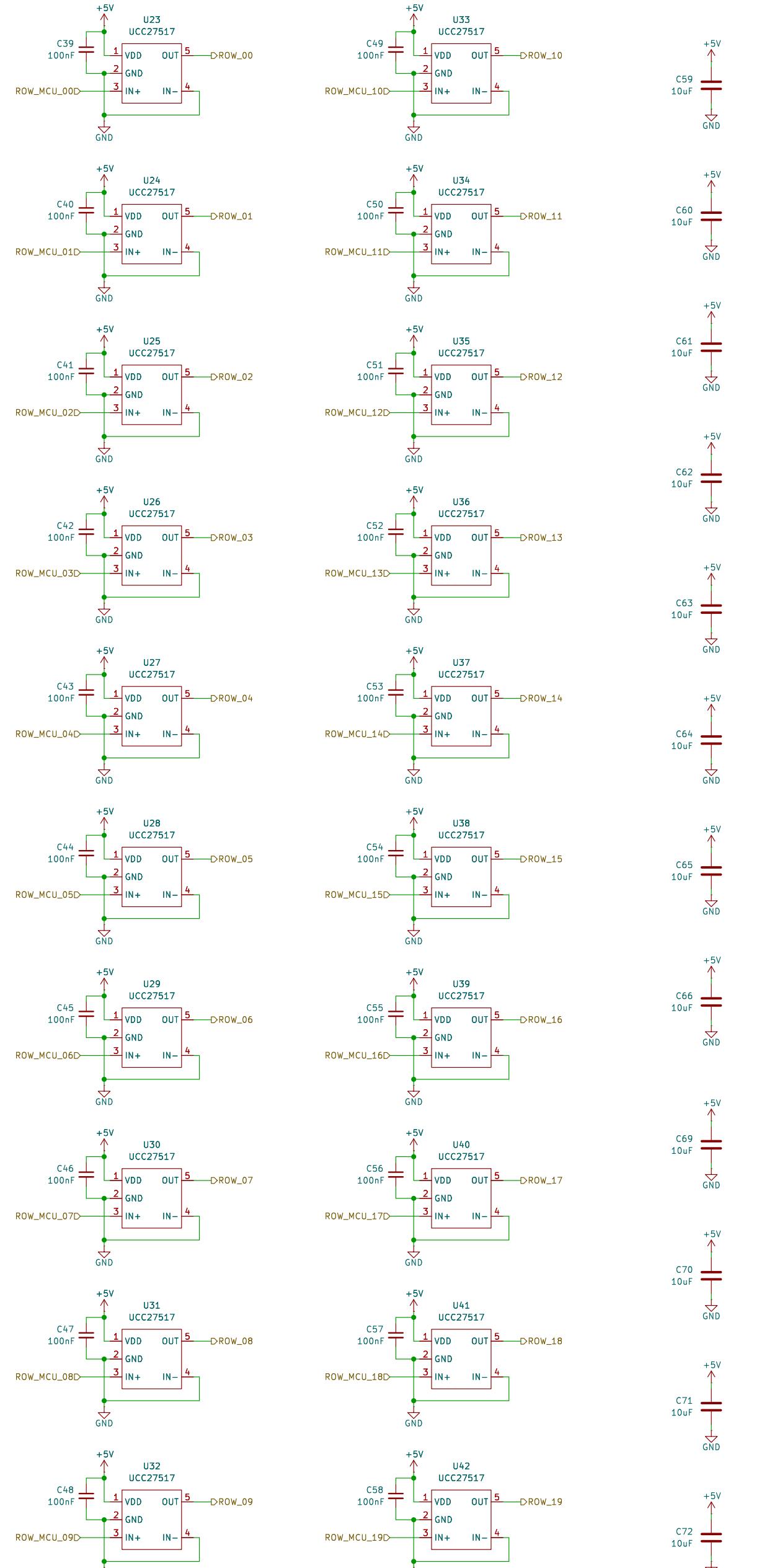
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KiCad E.D.A. 9.0.5

Rev: v0.1.3
Id: 4/6

Column Drivers

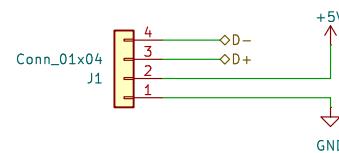


Row Drivers



1 2 3 4 5 6

USB Connection JST-SH QWIIC/STEMMA-QT style connector

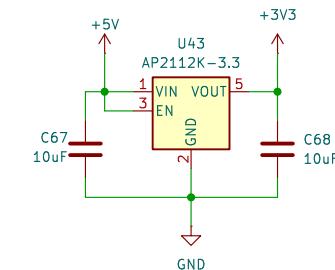


For connecting cable

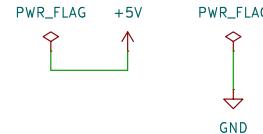
USB to Grove
<https://shop.m5stack.com/products/connector-grove-to-usb-c>

Grove to JST-SH
<https://www.sparkfun.com/products/15109>

3.3V Regulator



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



IORodeo for Reiserlab @ Janelia	
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Size: A4	Date: 2025-11-25
KiCad E.D.A. 9.0.5	Rev: v0.1.3
	Id: 7/6

1 2 3 4 5 6

