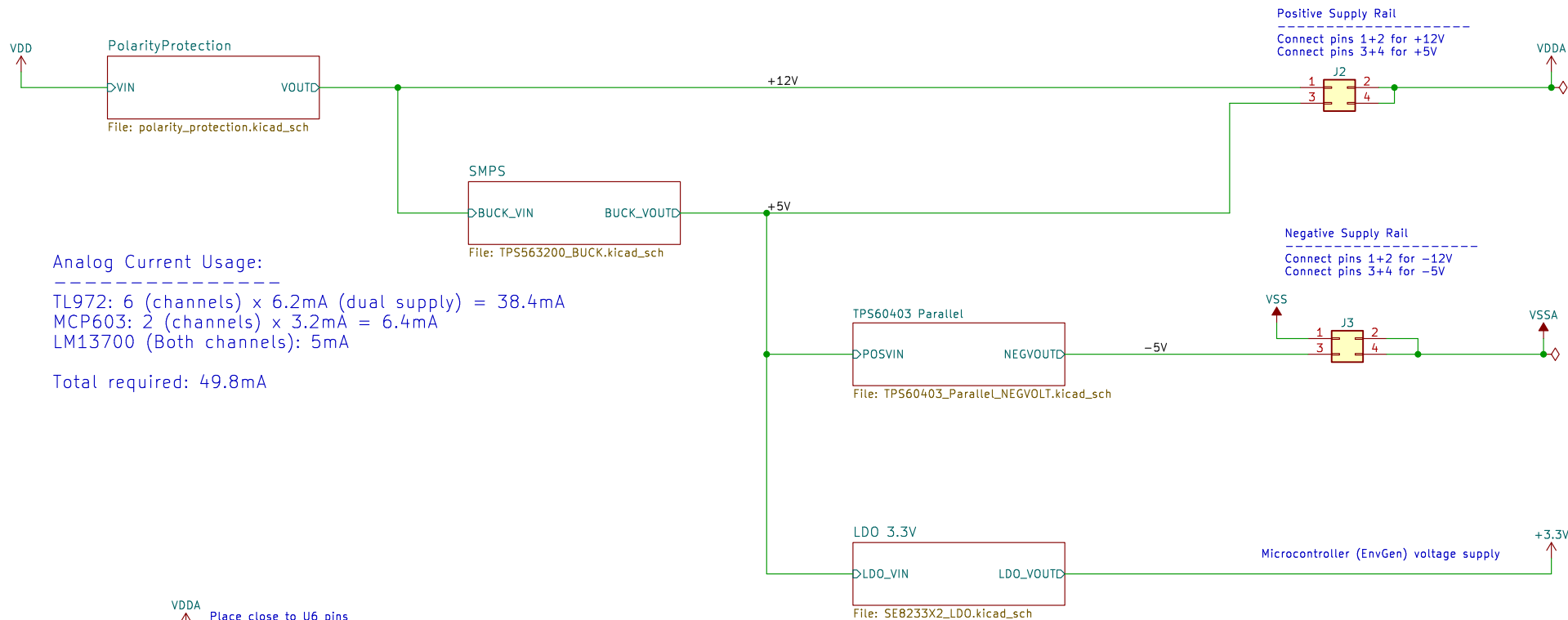


Power Connector:

When shorted J9 and J10 pins 3+4:
J11 Pin1 = +9V
Pin2 = Gnd

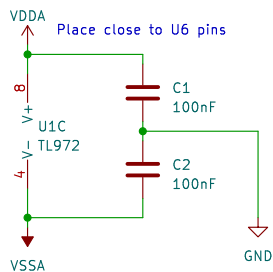
When shorted J9 and J10 pins 1+2:
J11 Pin1 = +12V
Pin2 = Gnd
Pin3 = -12V



Analog Current Usage:

TL972: 6 (channels) x 6.2mA (dual supply) = 38.4mA
MCP603: 2 (channels) x 3.2mA = 6.4mA
LM13700 (Both channels): 5mA

Total required: 49.8mA



Sheet: /PowerSupply/
File: power_supply.kicad_sch

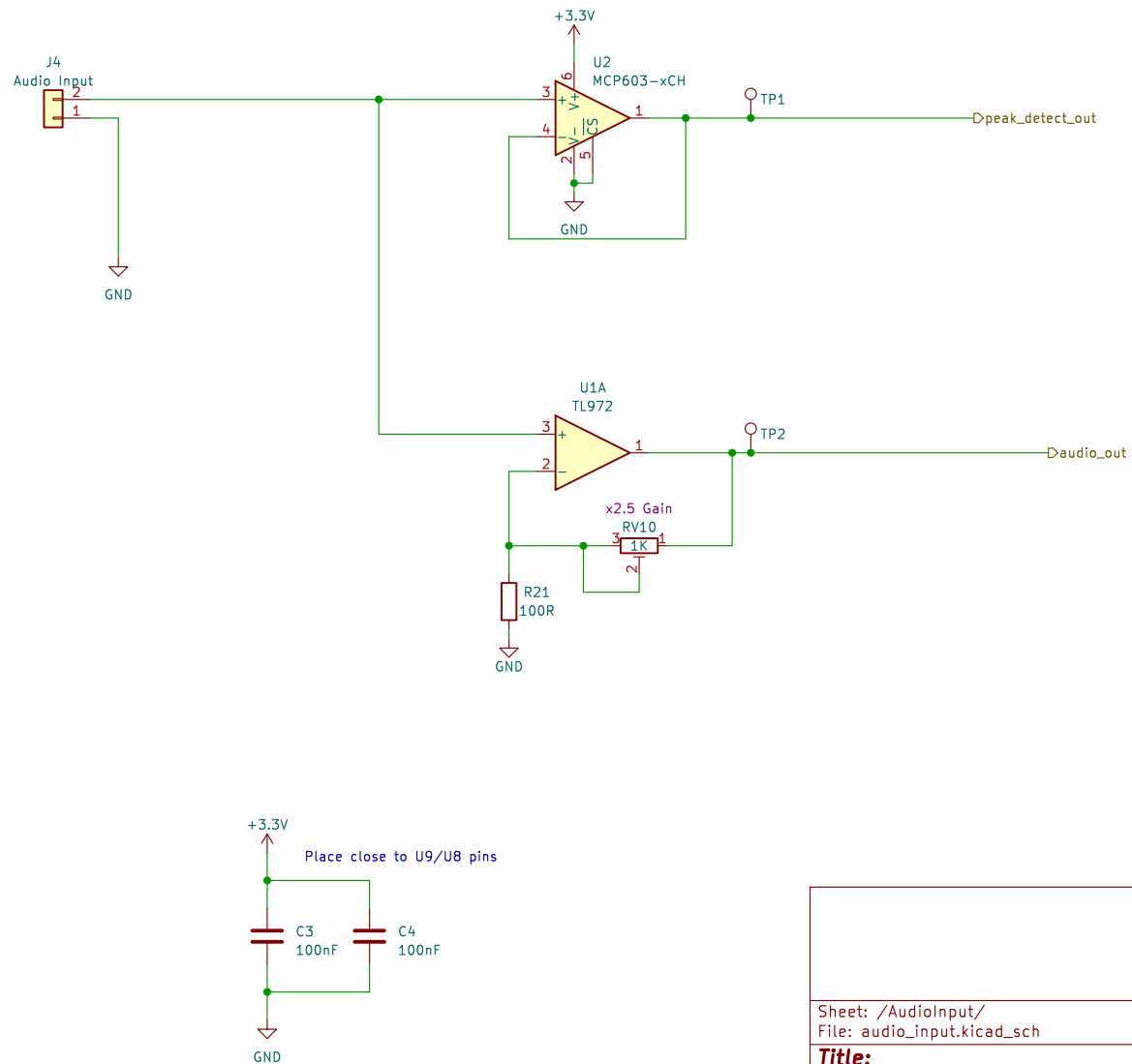
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Date:

Rev:

Id: 2/12



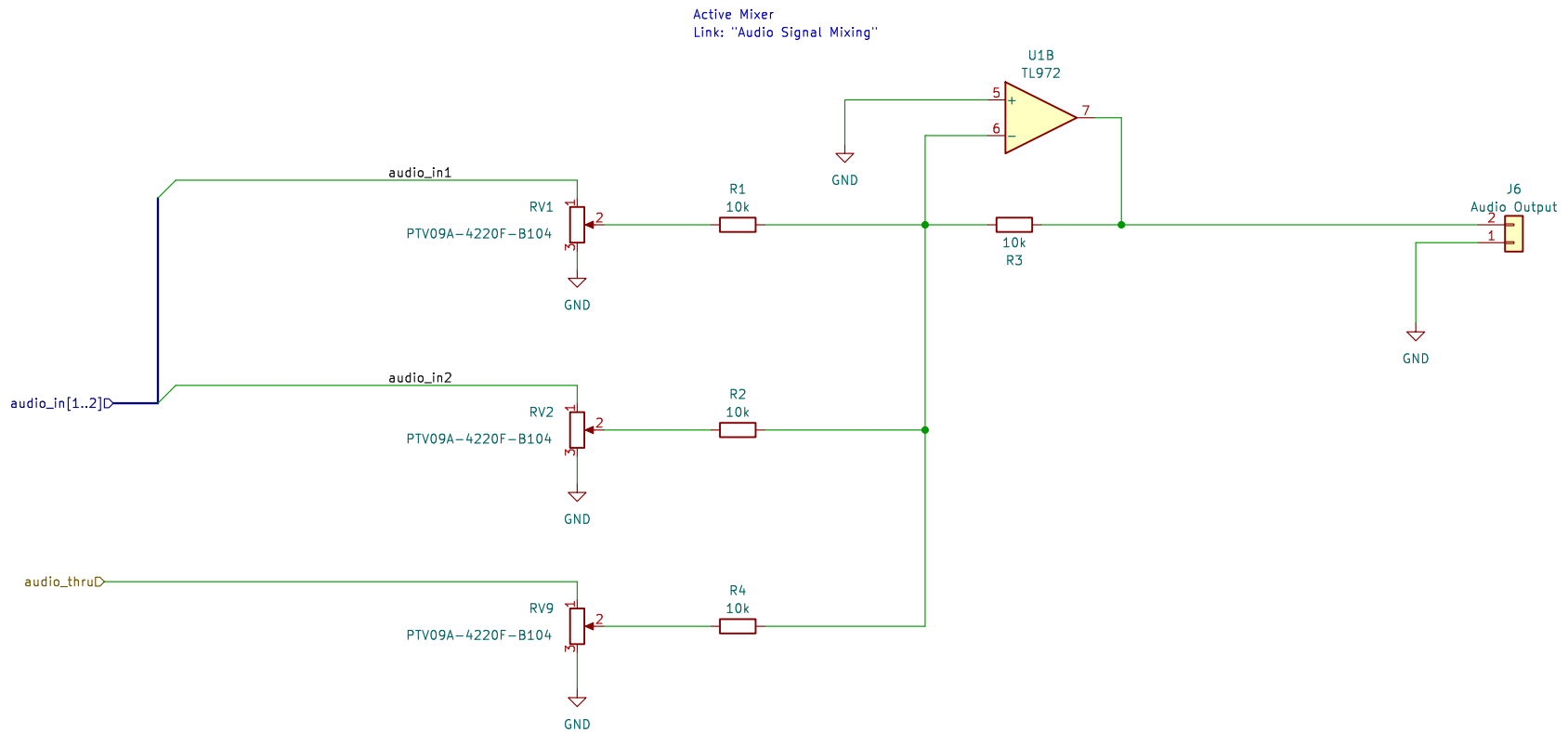
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Date:

Rev:
Id: 3/12



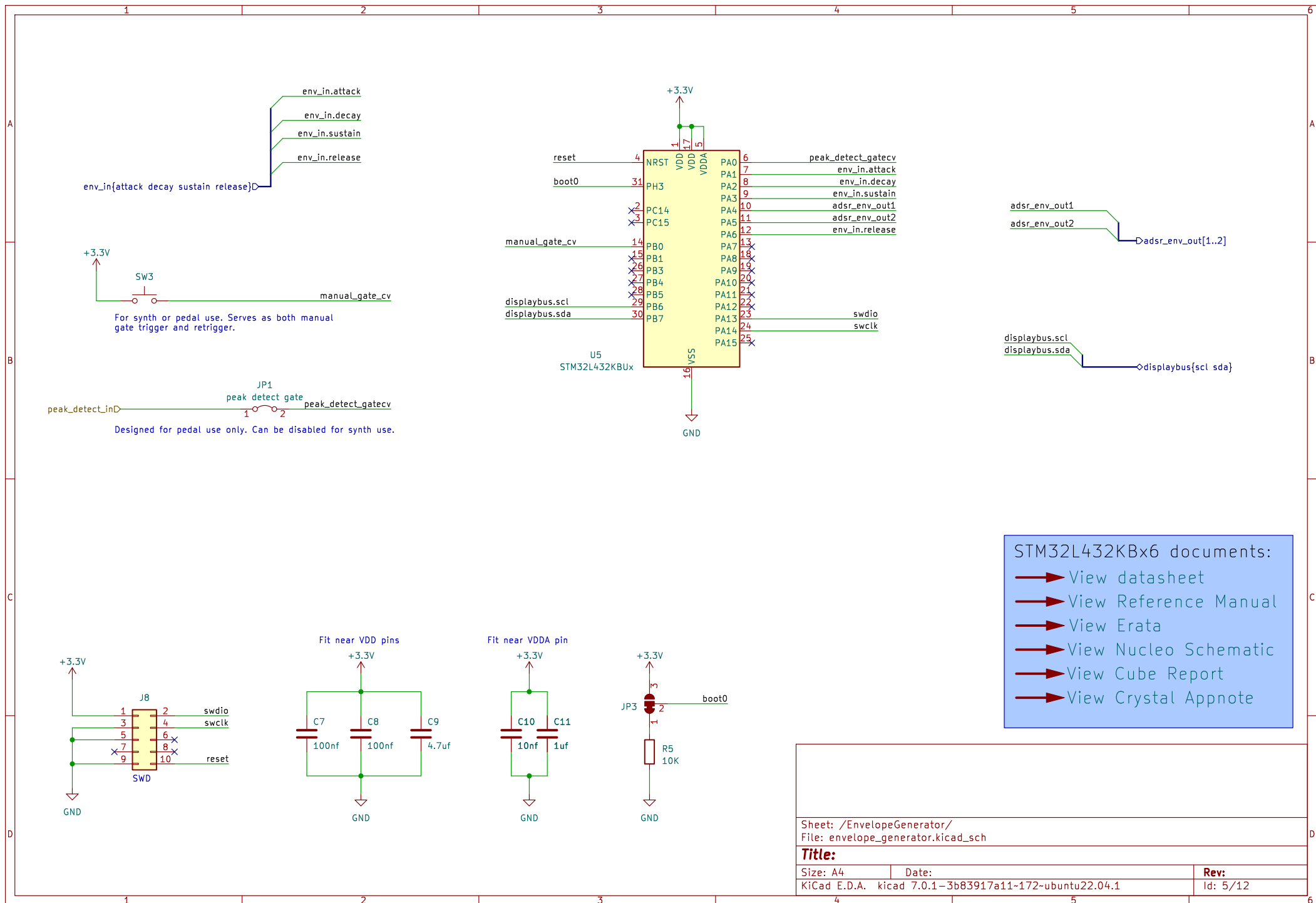
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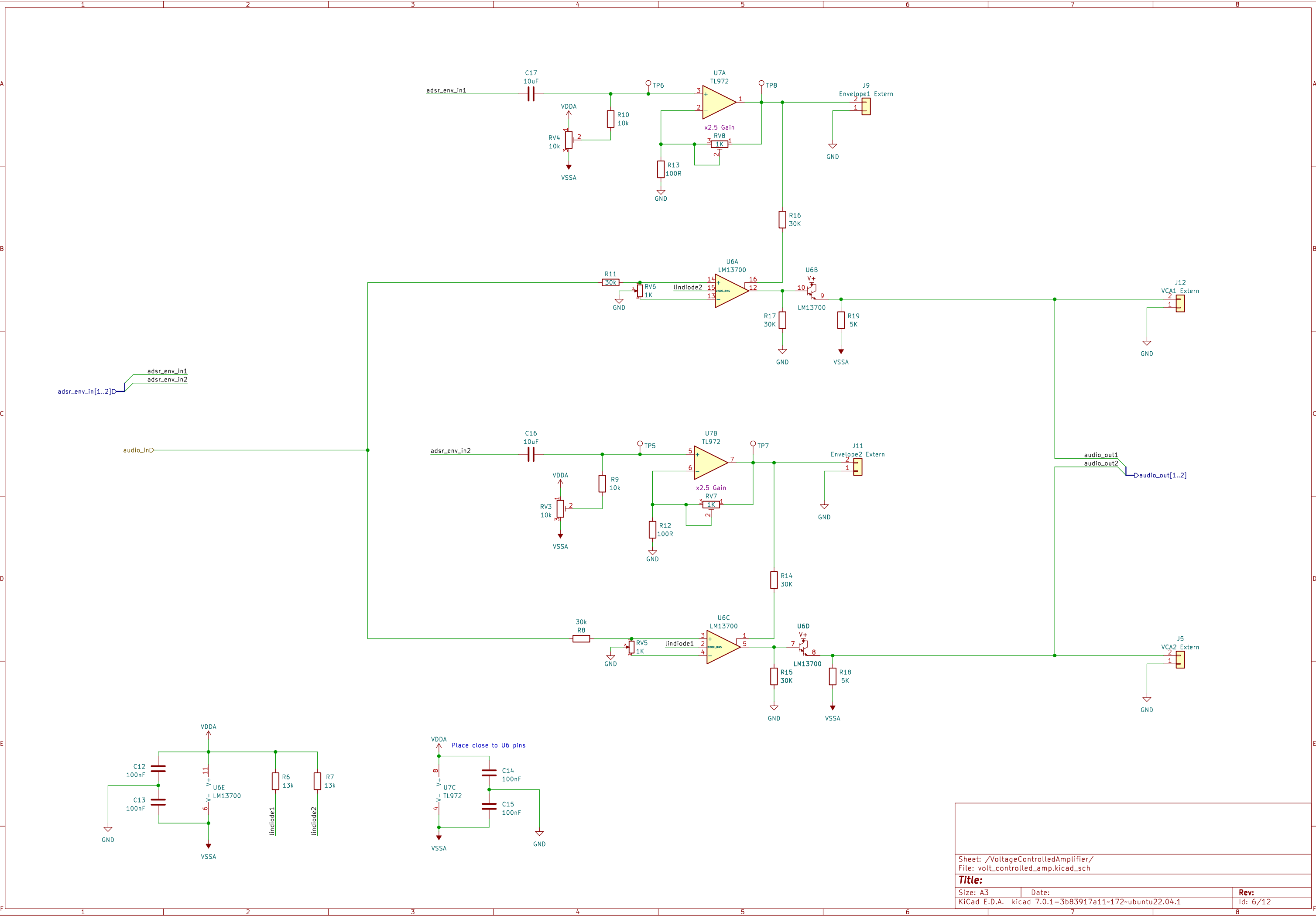
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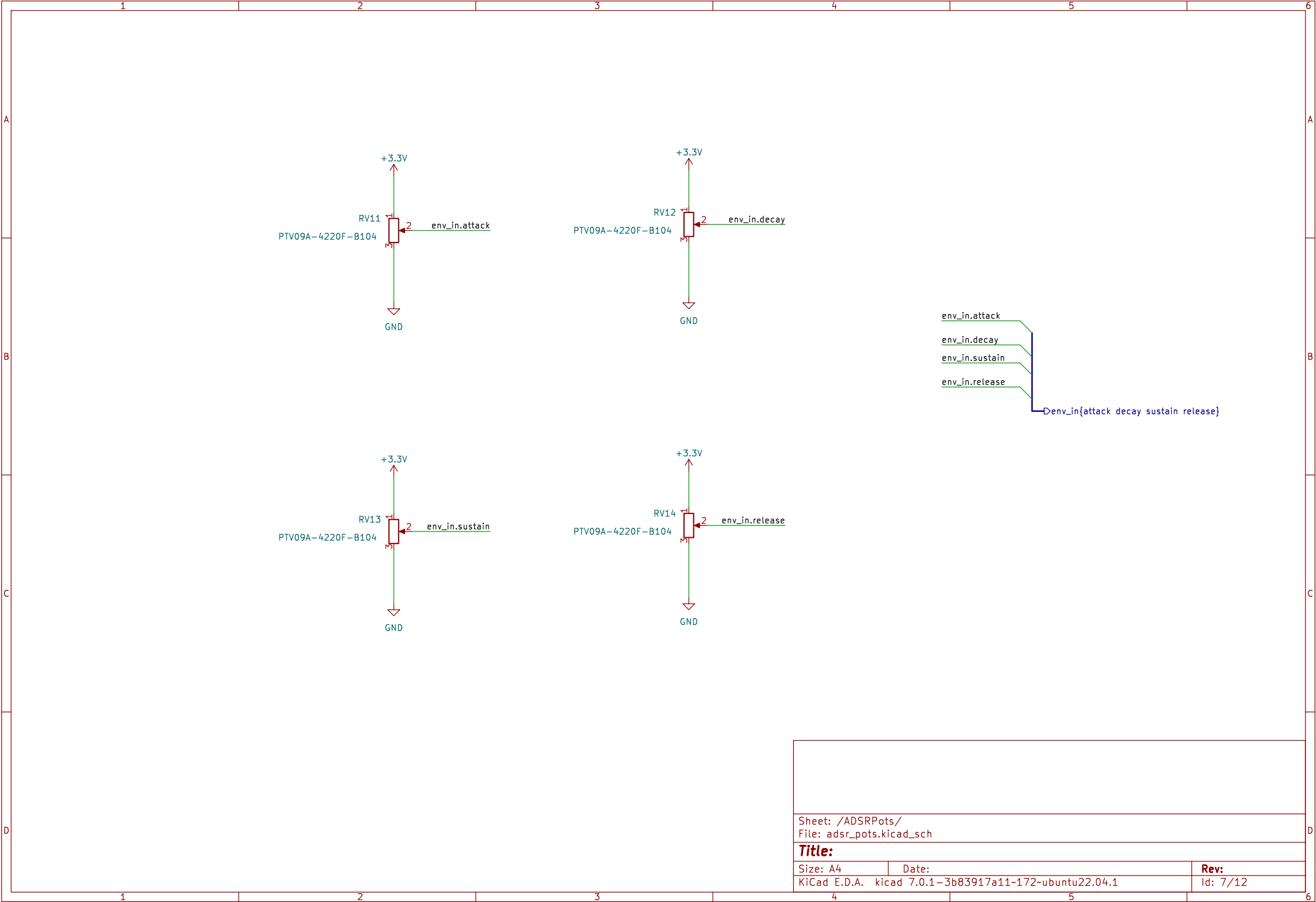
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Date:

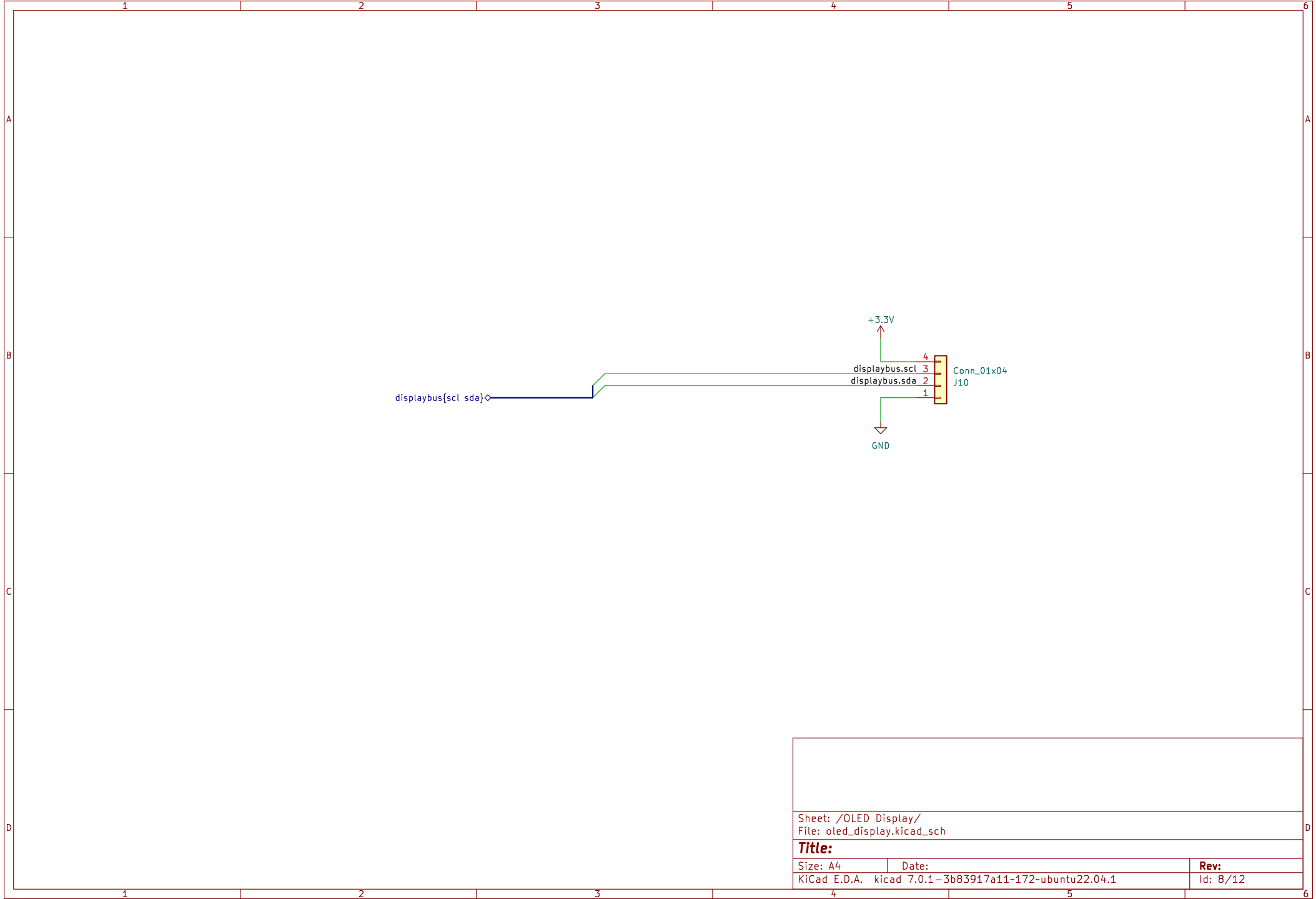
Rev:
Id: 4/12







Sheet: /ADSRPots/ File: adsr_pots.kicad_sch		
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Size: A4	Date:	Rev:
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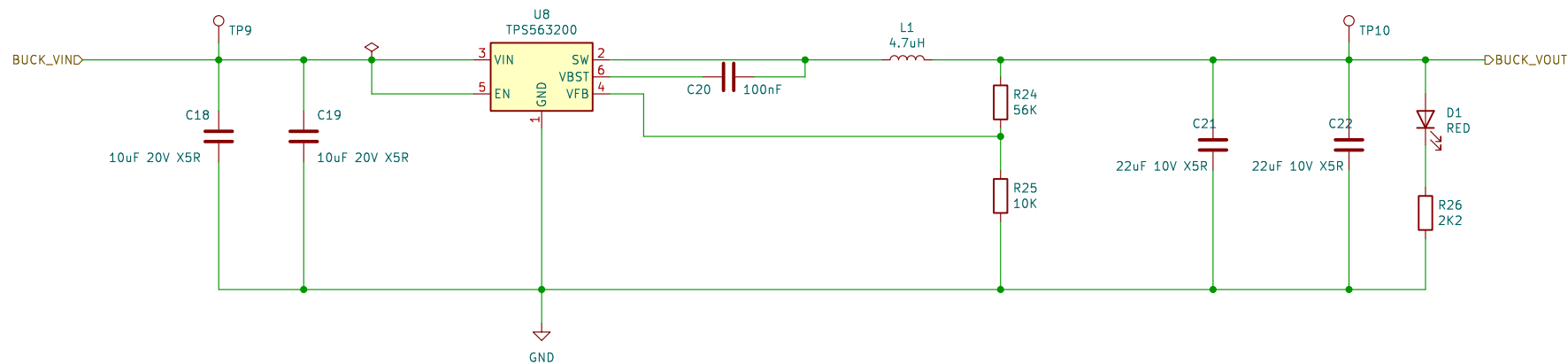


Sheet: /OLED Display/
File: oled_display.kicad_sch

Title:

Size: A4 Date: KiCad E.D.A. kicad 7.0.1-3b83917a11-172-ubuntu22.04.1

Rev:
Id: 8/12



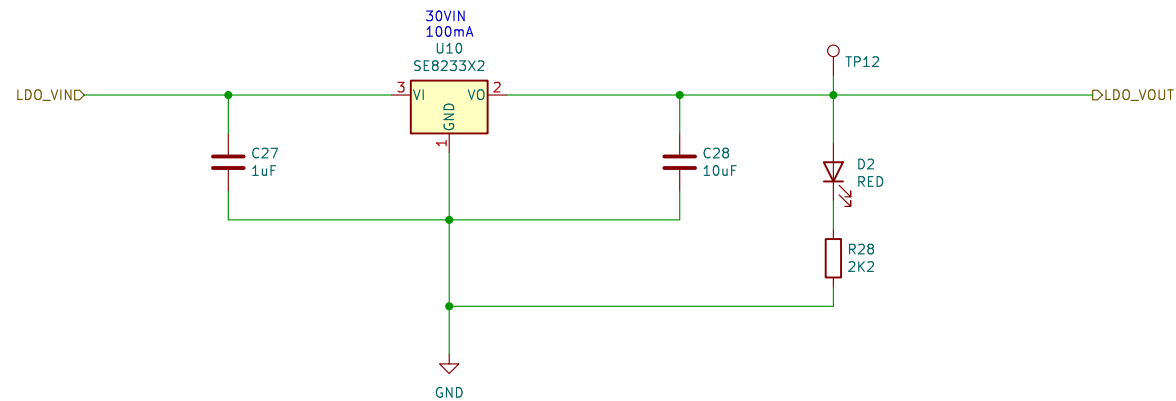
Created by C Sutton

Sheet: /PowerSupply/SMPS/
File: TPS563200_BUCK.kicad_sch

Title: PSU – TPS563200 Buck Regulator

Size: A4 Date: 2021-06-05
KiCad E.D.A. kicad 7.0.1-3b83917a11-172-ubuntu22.04.1

Rev: B
Id: 9/12



Created by C Sutton

Sheet: /PowerSupply/LDO 3.3V/

File: SE8233X2_LDO.kicad_sch

Title: PSU – LDO 3.3V @ 100mA

Size: A4

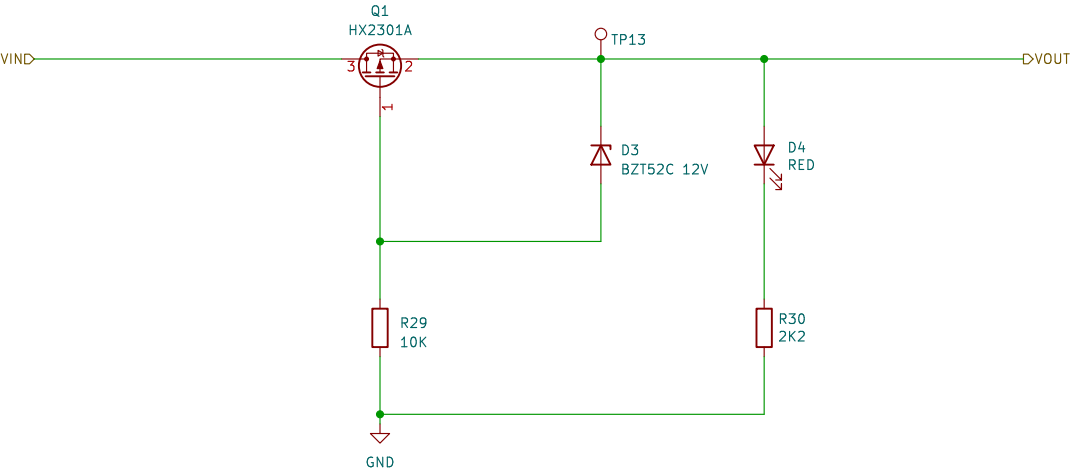
Date: 2021-06-05

Rev: B

KiCad E.D.A. kicad 7.0.1-3b83917a11-172-ubuntu22.04.1

Id: 11/12

See "MOSFET Protection" and fig3 for explanation of reverse polarity



Sheet: /PowerSupply/PolarityProtection/
File: polarity_protection.kicad_sch

Title:

Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.1-3b83917a11-172-ubuntu22.04.1		Id: 12/12

