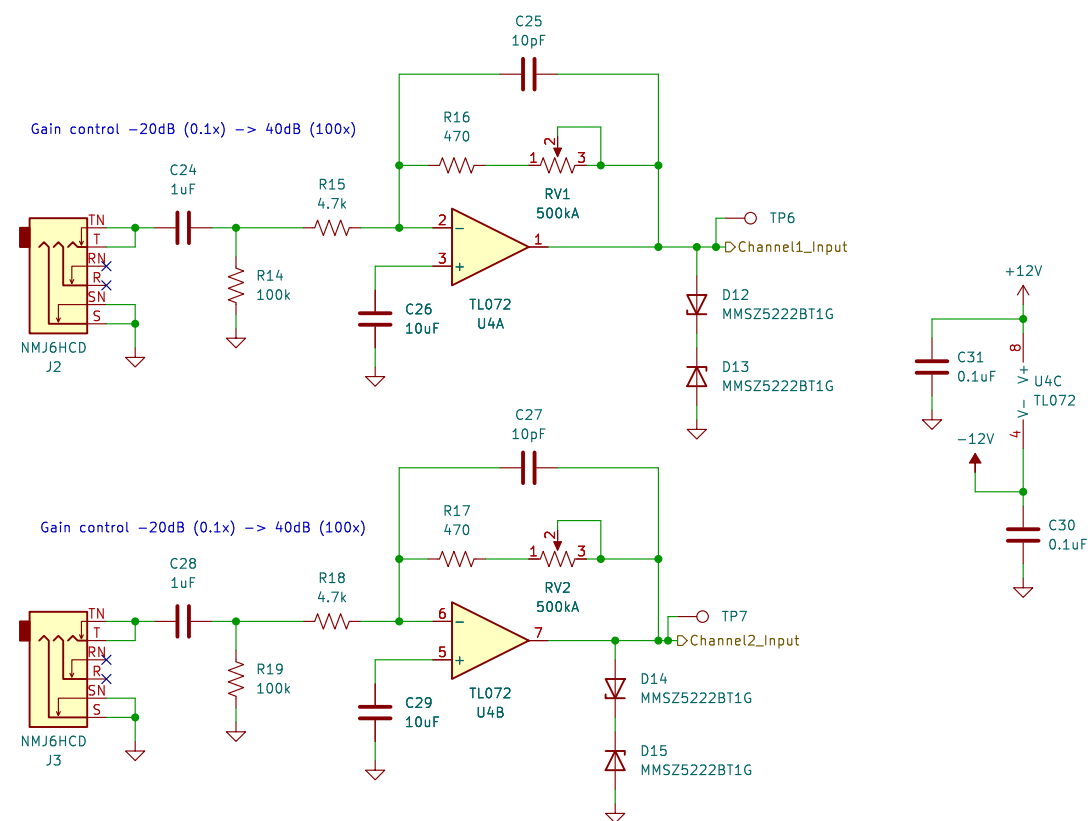
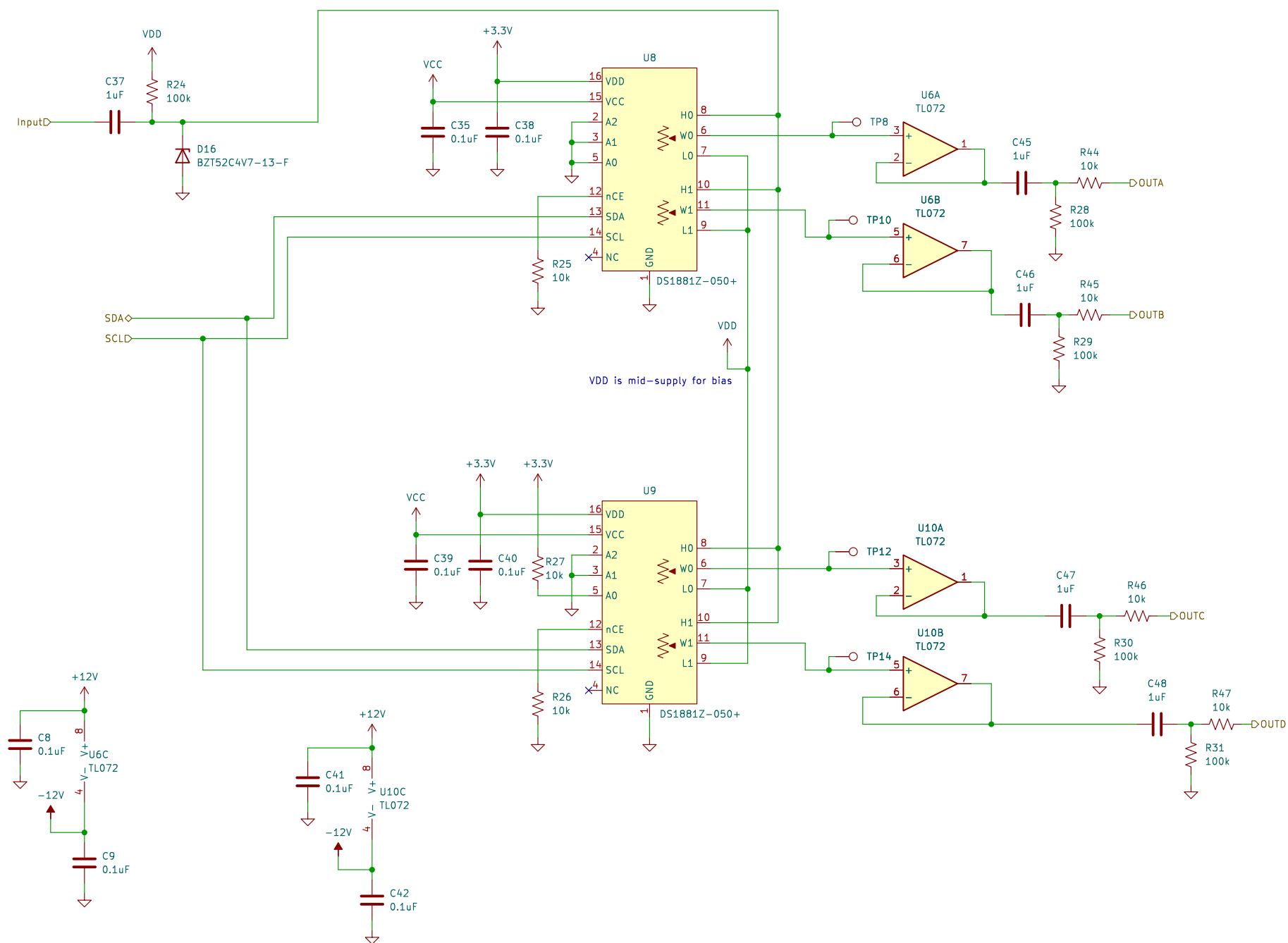


Two Channels of Audio Input



Digital Pots



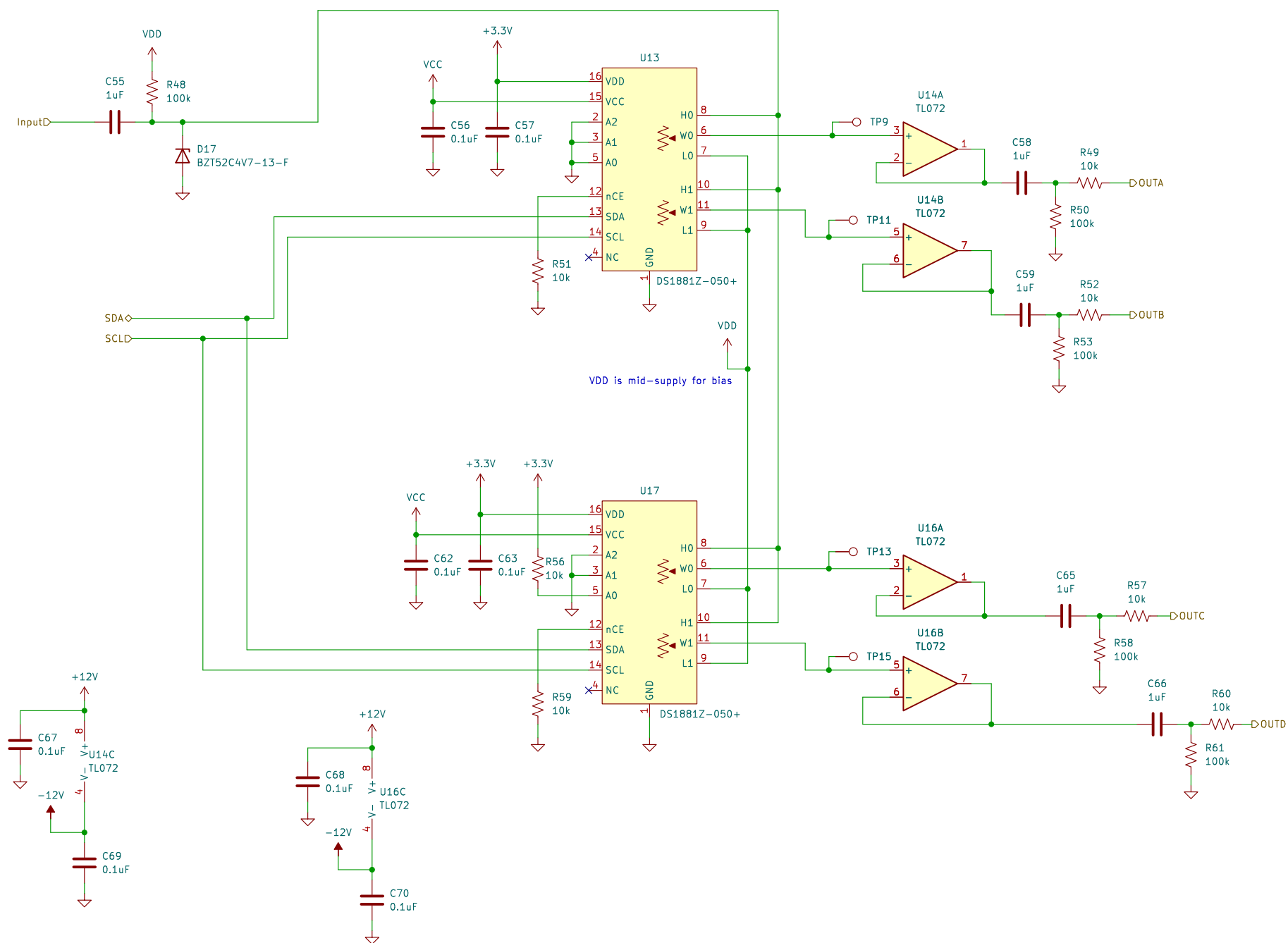
Sheet: /Channel 1 Digital Pots/
File: digitalPot.kicad_sch

Title: Quadrophonic Joystick Mixer

Size: B | Date: 2024-04-22
KiCad E.D.A. kicad 7.0.8

Rev: P1
Id: 3/8

Digital Pots



Sheet: /Channel 2 Digital Pots/
File: digitalPot.kicad_sch

Title: Quadrophonic Joystick Mixer

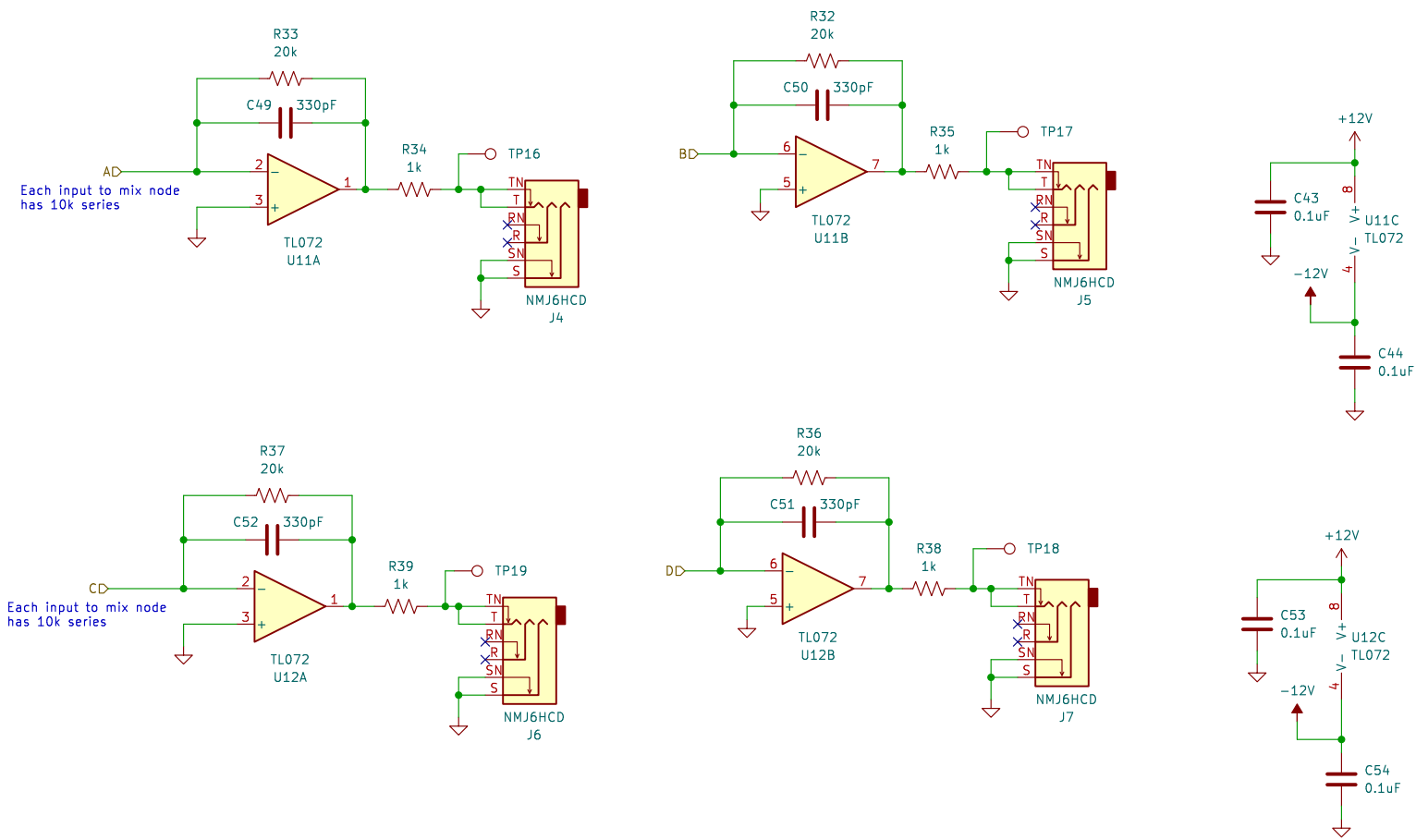
Size: B Date: 2024-04-22

KiCad E.D.A. kicad 7.0.8

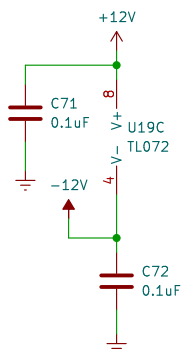
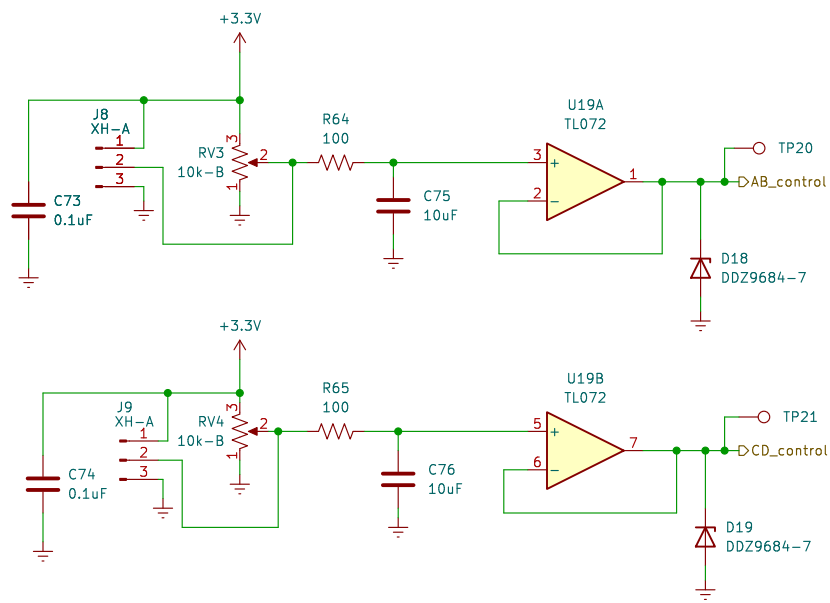
Rev: P1

Id: 4/8

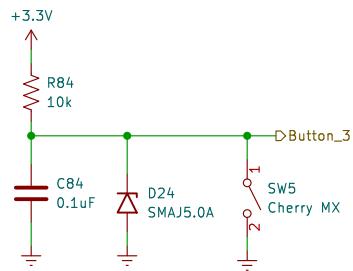
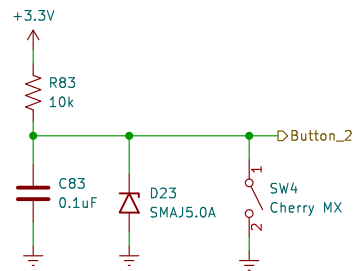
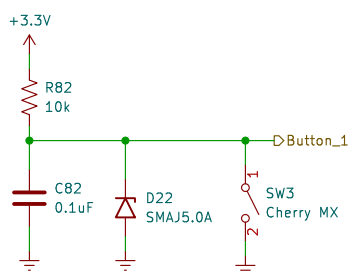
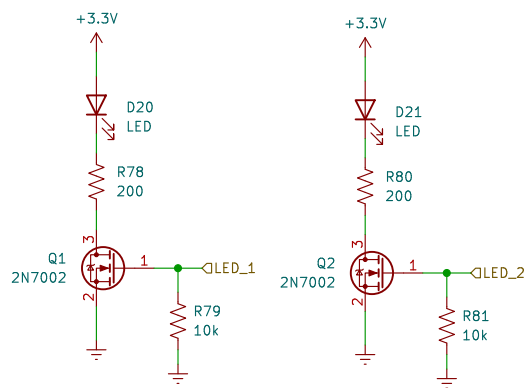
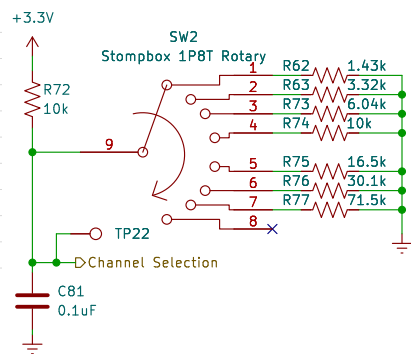
Audio Outputs



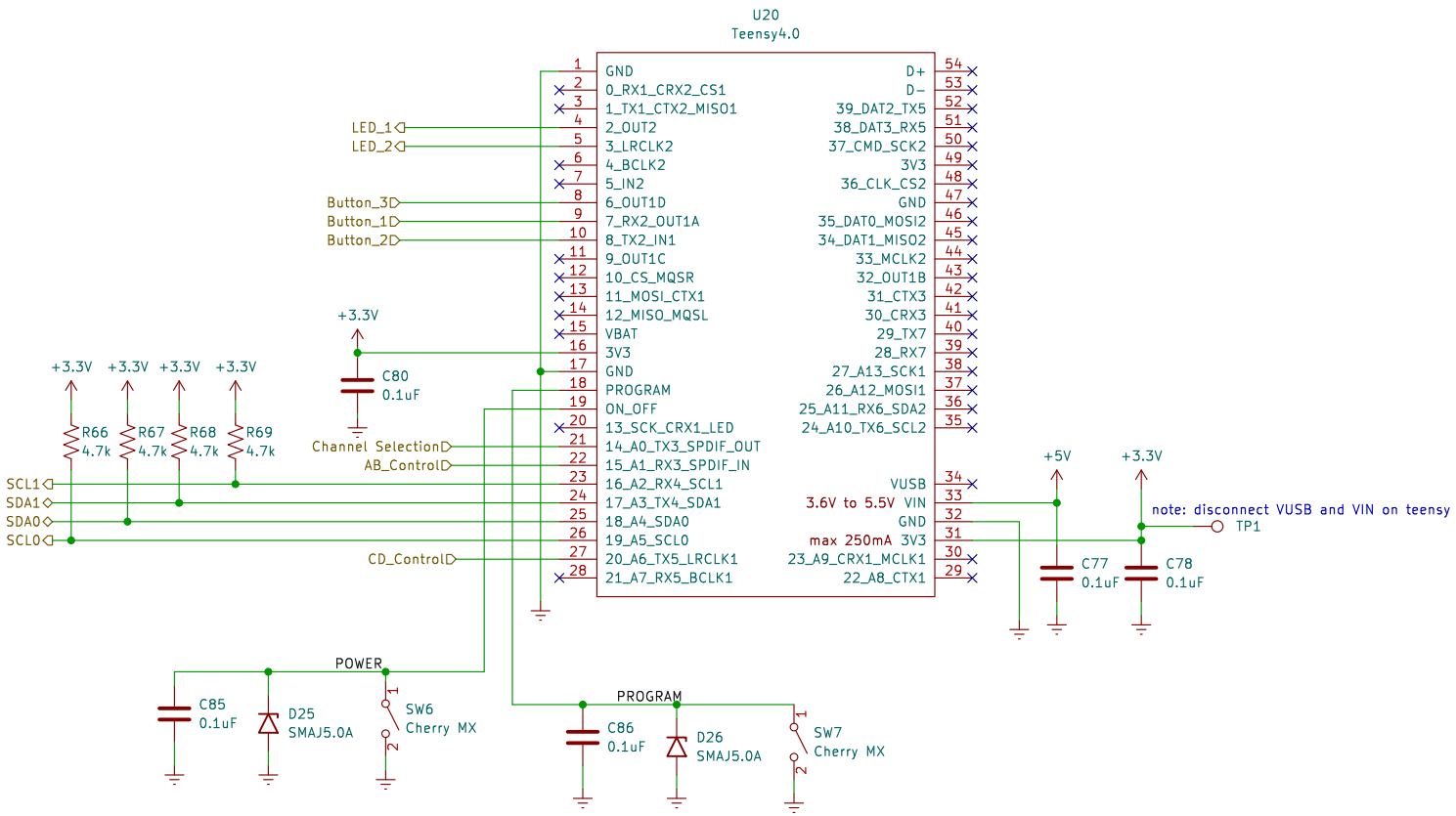
User Interface Ins and Outs



if voltage is less than	the channel is	1% resistor value
0.428 V	1	1.43 kOhm
0.847 V	2	3.32 kOhm
1.274 V	3	6.04 kOhm
1.683 V	4	10.00 kOhm
2.086 V	5	16.50 kOhm
2.502 V	6	30.10 kOhm
2.909 V	7	71.50 kOhm
3.300 V	8	Open



Microcontroller



Sheet: /Teensy/

File: teensy.kicad_sch

Title: Quadrophonic Joystick Mixer

Size: B

Date: 2024-04-22

Rev: P1

KiCad E.D.A. kicad 7.0.8

Id: 7/8

Power Supplies

