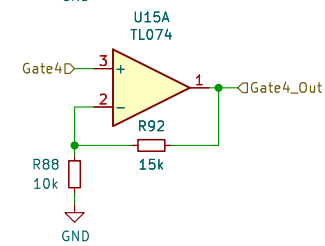
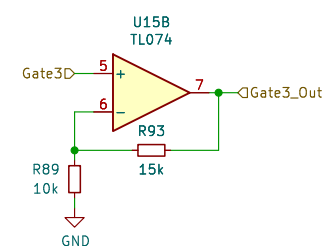
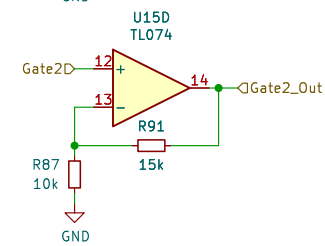
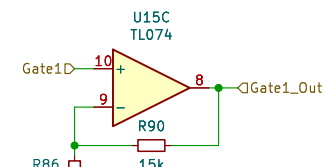
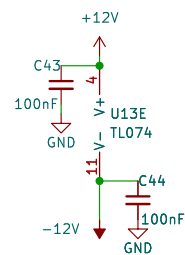
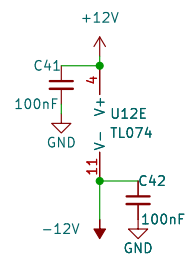
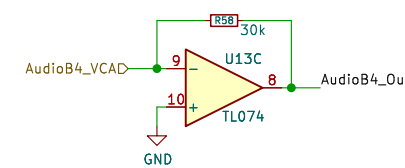
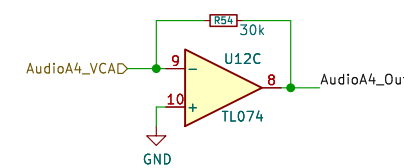
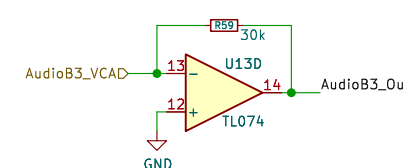
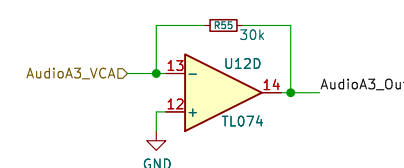
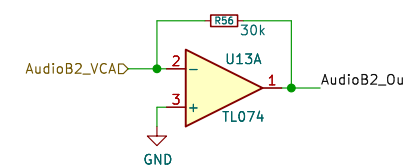
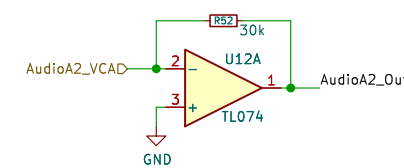
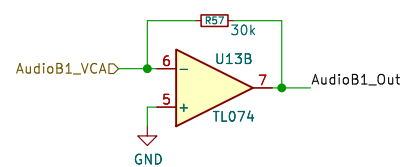
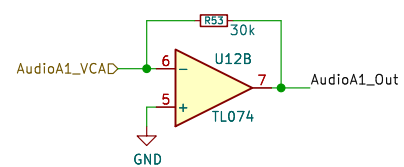
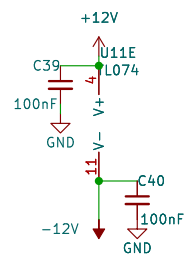
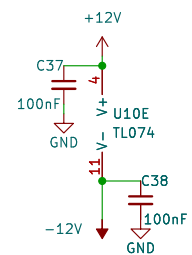
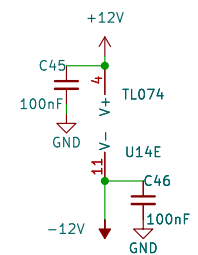
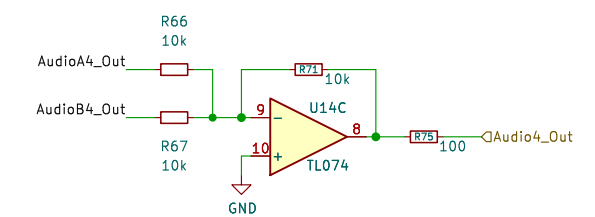
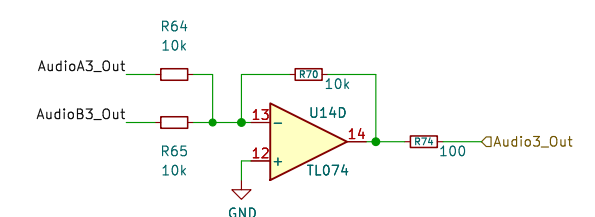
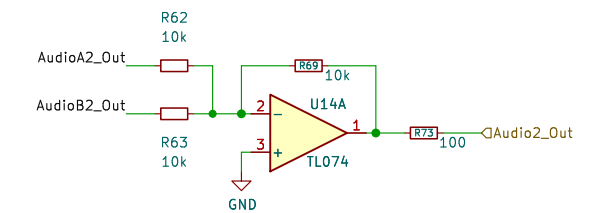
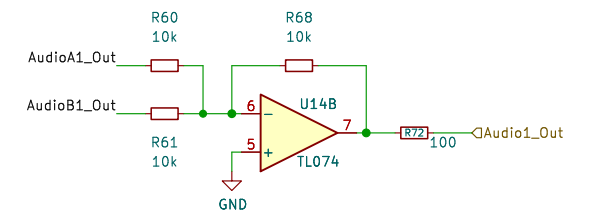
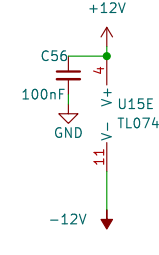


Gain =  $1 + R_f/R_{in} = 1.2$  (0-6v)  
Change  $R_{in}$  to 4.7k for gain = 1.42 (0-7.13v)



Gain 2.5 output 8.25v

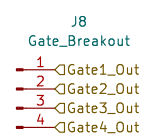
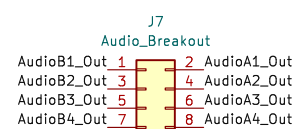


### Pitch Output Scaled

## Audio Buffers

## Gate Level Translation

## Audio Mixed Output



## Signal Breakout

- Changed R36, R37, R38, R39, R44, R45, R46, R47 from 10k to 4.7k to increase output scale to 7.13v
- REduce output protection resistors from 1k to 100

Sheet: /  
File: working.kicad\_sch

**Title:**

Size: A3	Date:
KiCad E.D.A. eeschema 7.0.6	

Date:	Rev:
eschema 7.0.6	Id: 1/1