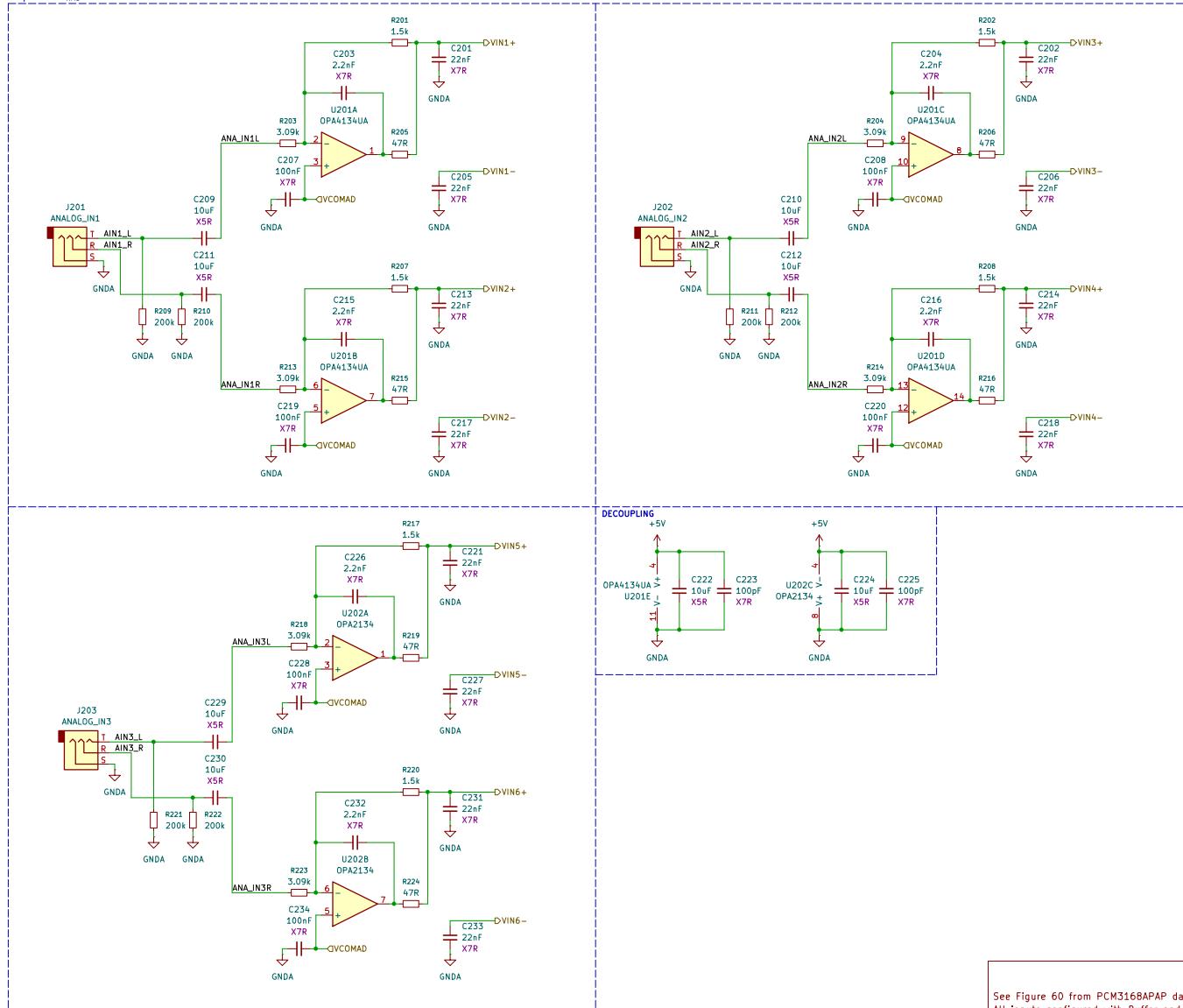


## BUFFER / ANTI-ALIASING LPF

As configured:  
 Analog Input (from Jack) = 2 VRMS  
 Gain = 0.5;  
 f-3 dB = 48kHz;  
 Output = 1 VRMS



See Figure 60 from PCM3168APAP datasheet, p. 54  
 All inputs configured with Buffer and Anti-Aliasing LPF for Single-Ended ADC Input

Sheet: ./Analog Inputs/  
 File: ain.kicad\_sch

Title: PCM3168APAP Analog Input

Size: A3 Date: 2026-01-13

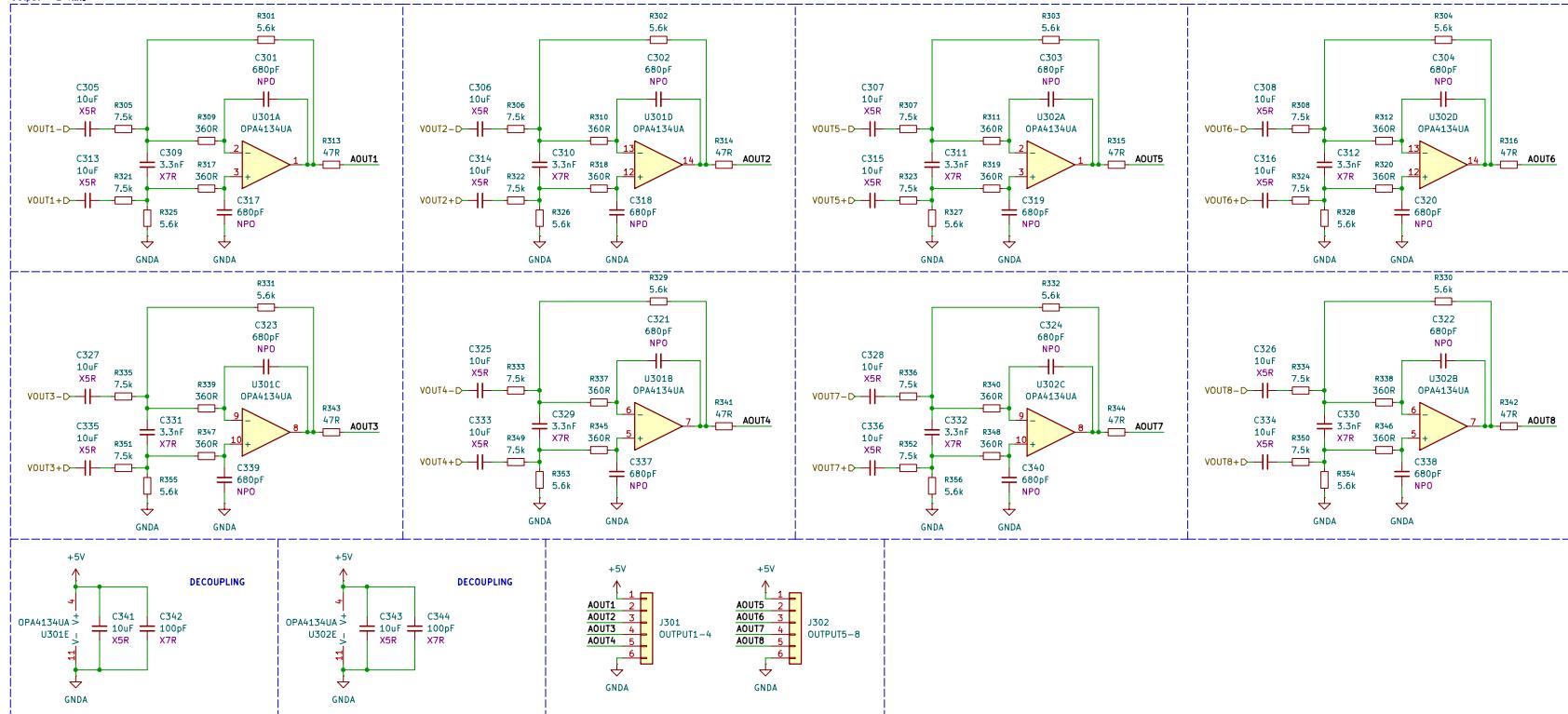
KiCad E.D.A. 9.0.4

Rev: 0.1

Id: 2/4

## AC-COUPLED DAC OUTPUT BUFFER

As configured:  
 Attenuation (from DAC) = 4 Vpp  
 Gain = 0.747x  
 f-3 dB = 53kHz  
 Output = 2 Vrms



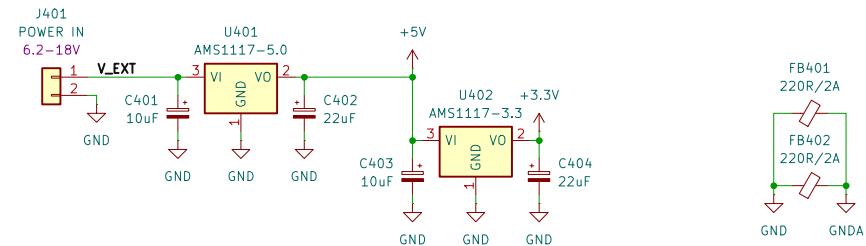
See Figure 61 from PCM3168APAP datasheet, p. 54  
 Post-LPF and Differential to Single-Ended Buffer for DAC Output

Sheet: /Analog Outputs/  
 File: aout.kicad\_sch

Title: PCM3168APAP Analog Outputs

Size: A3 Date: 2026-01-13  
 KiCad E.D.A. 9.0.4

Rev: 0.1  
 Id: 3/4



Sheet: /Power/  
 File: power.kicad\_sch

**Title:**

Size: A4 | Date: 2026-01-13  
 KiCad E.D.A. 9.0.4

**Rev: 0.1**  
 Id: 4/4