

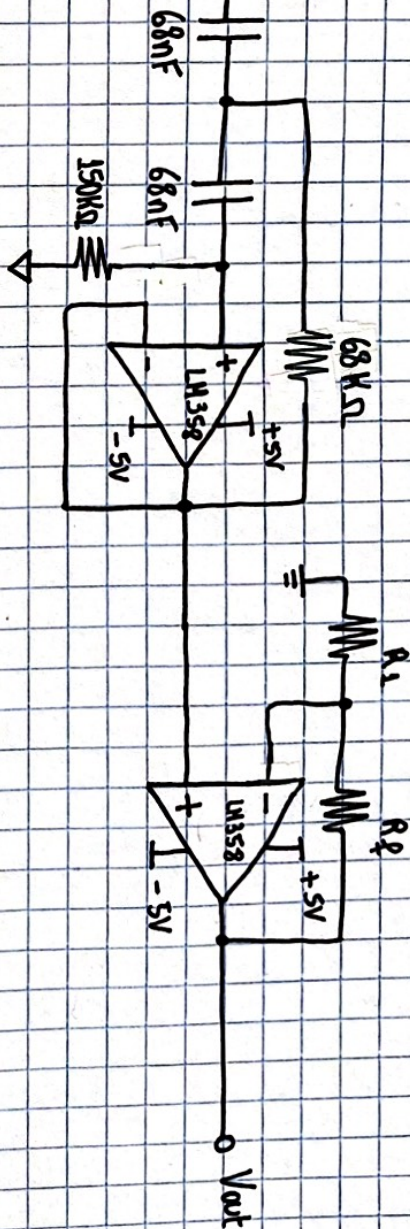
Stage 1

→ Acquisition

→ $\approx 200V/V$ Amplification

$$R_G = 220 \Omega$$

$$G = 1 + \frac{50K\Omega}{R_G}$$



Stage 2

→ Filtering

- High - Pass
- 2nd Order Butterworth
- 20Hz corner freq.
- Sallen - Key ϕ dB gain

Stage 3

→ Second Amplification

- Non-inverting config.
- 5V/V gain

$$G = 1 + \frac{R_2}{R_1}$$

$$R_2 = 6.8K\Omega \text{ and } R_1 = 1.8K\Omega$$