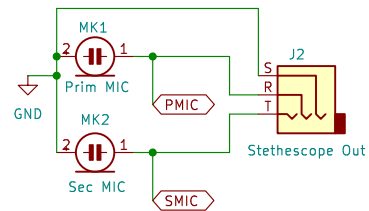
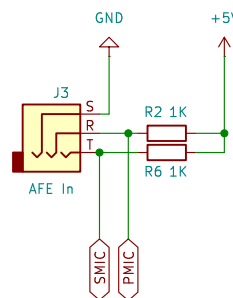


## Stethoscope End

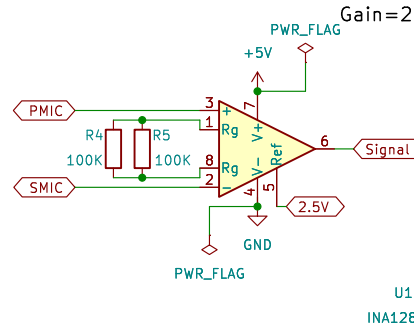


Dual Microphone is used to cancel out the ambient noise  
Primary = (Signal+ Noise)  
Secondary = (Noise)

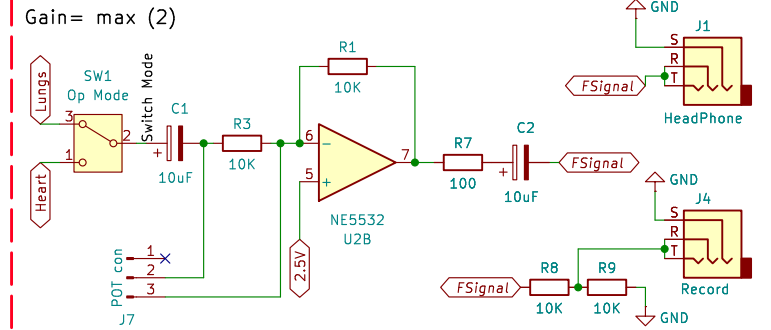
## Mic Biasing



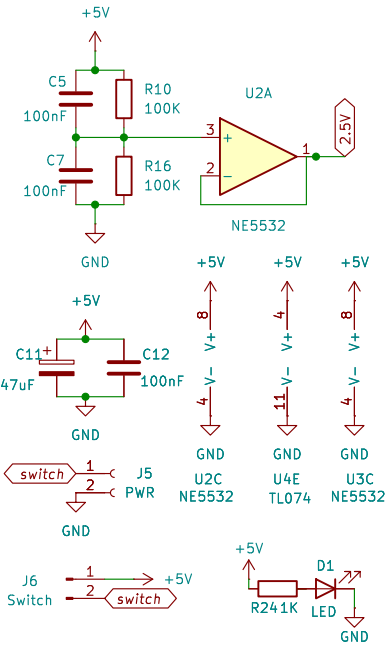
## Differential Stage



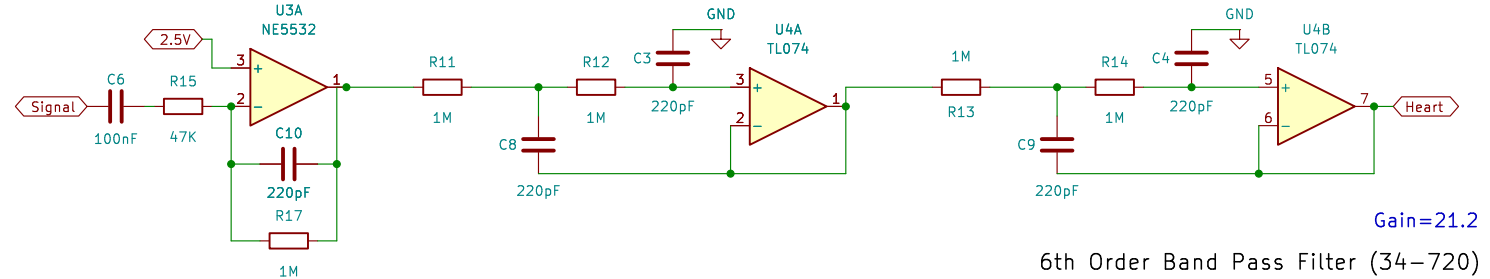
## Output Stage



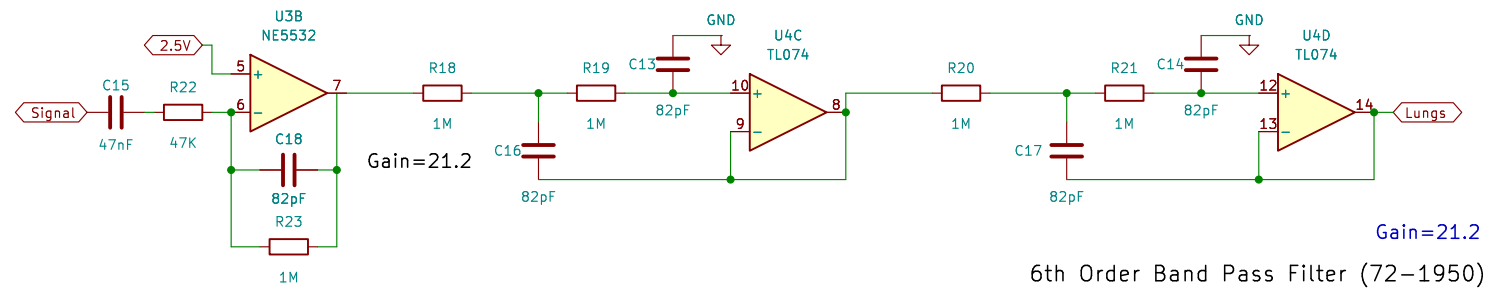
## Power Supply & Vref



## Heart Sound Filtering



## Lungs Sound Filtering



## Mounting Holes



CMC Velore

Sheet: /  
File: final schematics.kicad\_sch

Title: Digital Stethoscope

Size: A4 Date: 2025-06-12

KiCad E.D.A. 8.0.2

Rev: 1.0

Id: 1/1