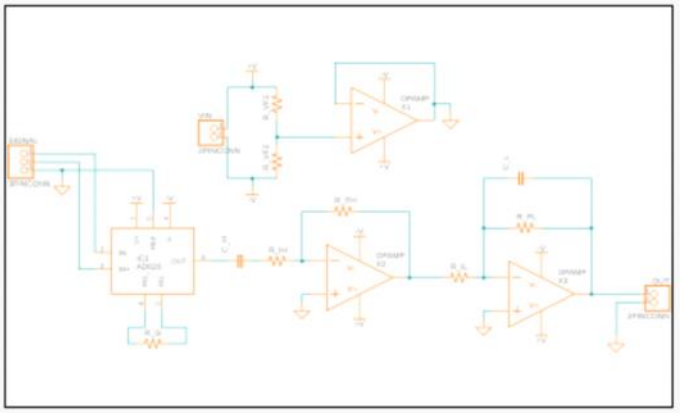
Week 9: More EKG

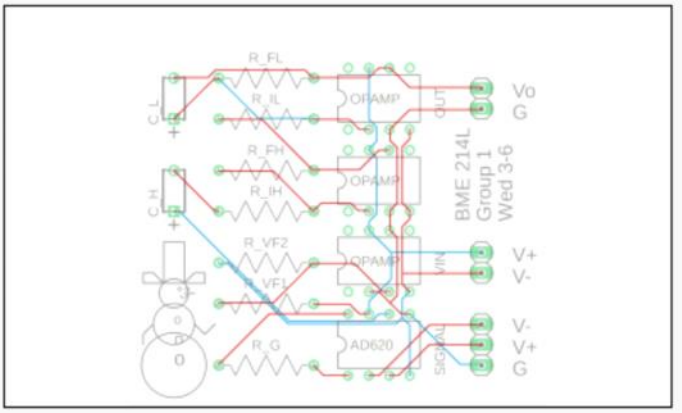
Tuesday, October 25, 2022 7:05 PM

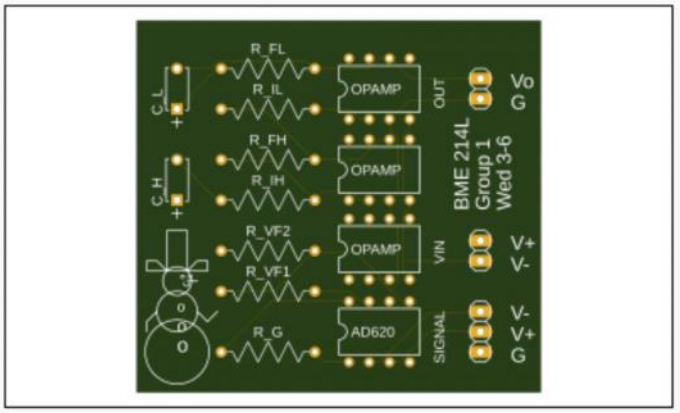
Objective:

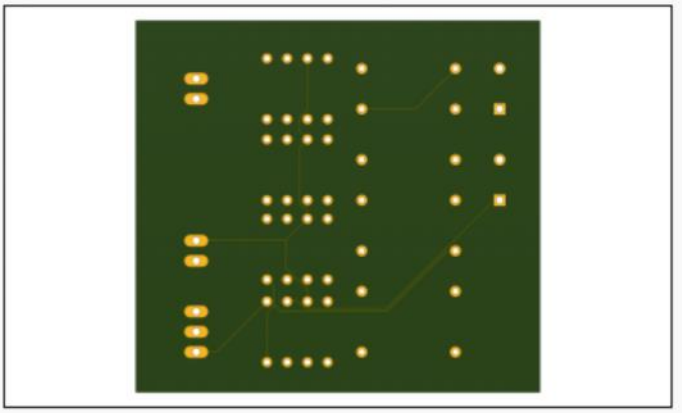
Finish PCB design in Fusion 360.

1. Add high-pass and low-pass filters
2. Design the PCB
3. Have design peer-reviewed
4. Export design so we can order custom PCB - submit the .zip Gerber files to the PCB design assignment









Week 10: eKG!!!

Tuesday, November 1, 2022 8:21 PM

Finish your ECG circuit on the solderless breadboard by adding the high-pass and low-pass filters

1. Decide which resistors and capacitors to use based on your desired amplification and filtering
2. Measure your ECG using the ELVIS boards and the ELVIS tool "Dynamic Signal Analyzer"
3. Once you have a good working signal, build an ELVIS VI to capture the data for at least several heartbeats.
4. Start working on the ECG project assignment - you can get a lot of this done at this point.