Analog Lab
Experiment 3: PCB Design

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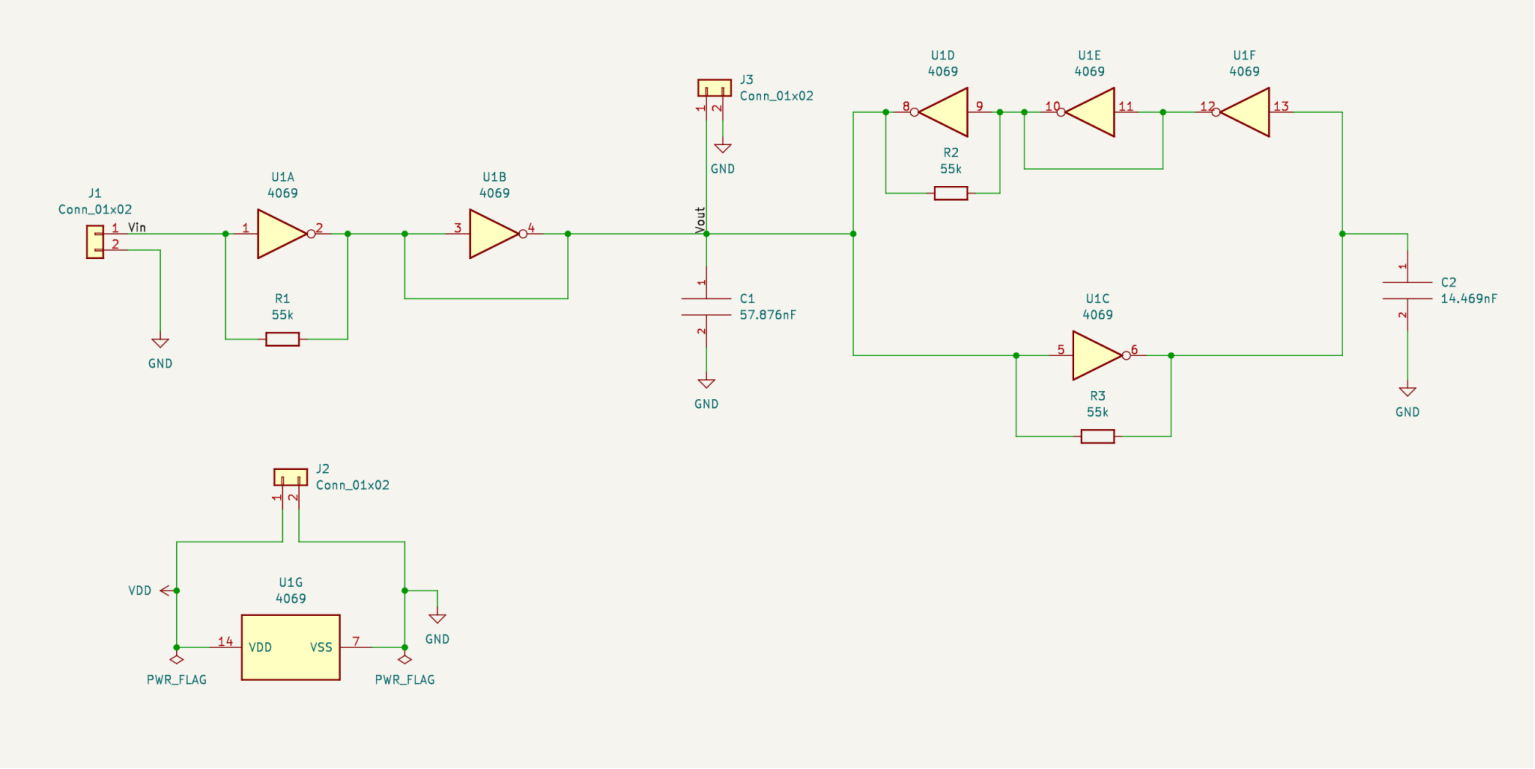
Roll- EE20BTECH11042

1. Schematic used



2. Layout

2.1 Specifics

Two layered PCB and uses copper as conductor in both layers.

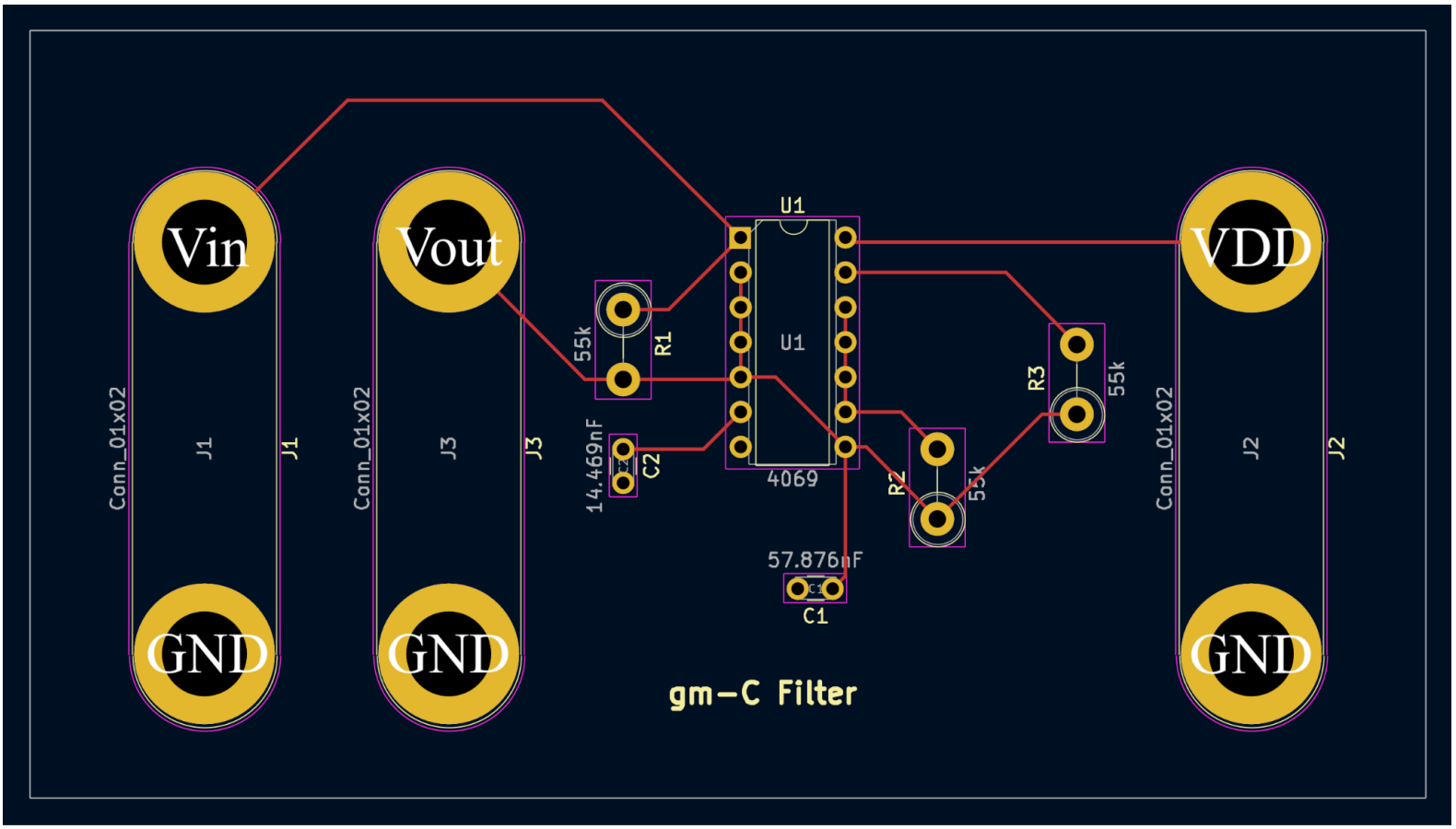
2.2 Components and Footprints Used

- One CD4069 IC - Package_DIP:DIP-14_W7.62mm
- Three Resistors - 55kΩ each
  Footprint - Resistor_THT:R_Axial_DIN0411_L9.9mm_D3.6mm_P5.08mm_Vertical
- Three 01x02 connectors - Connector:Banana_Jack_2Pin
- Two capacitors - 57.876 nF and 14.469 nF
  Footprint - Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50mm

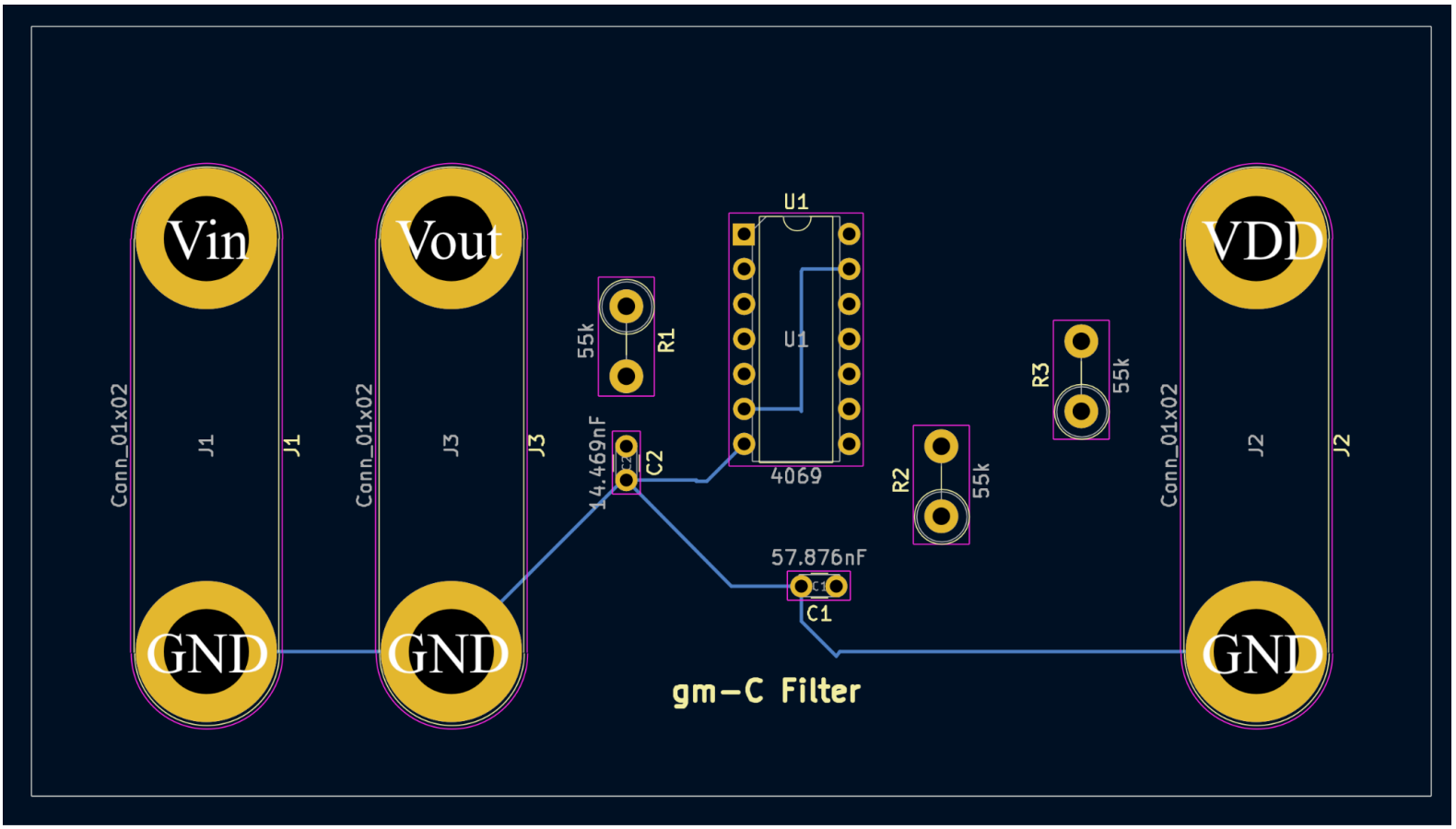
Ceramic capacitors are used here because they can have low capacitances.

3. PCB Editor Views

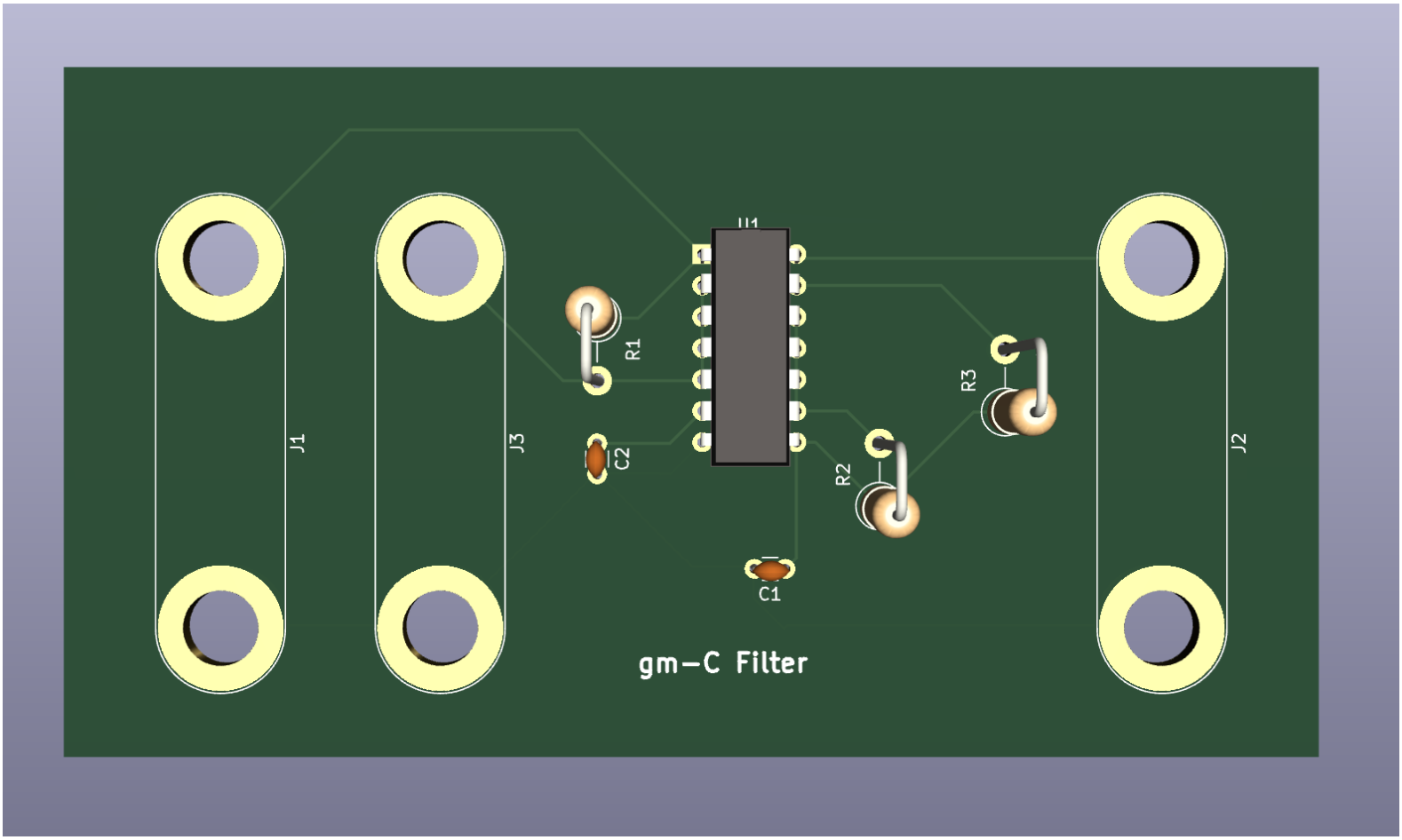
3.1 Front Layer (used red color for wires)



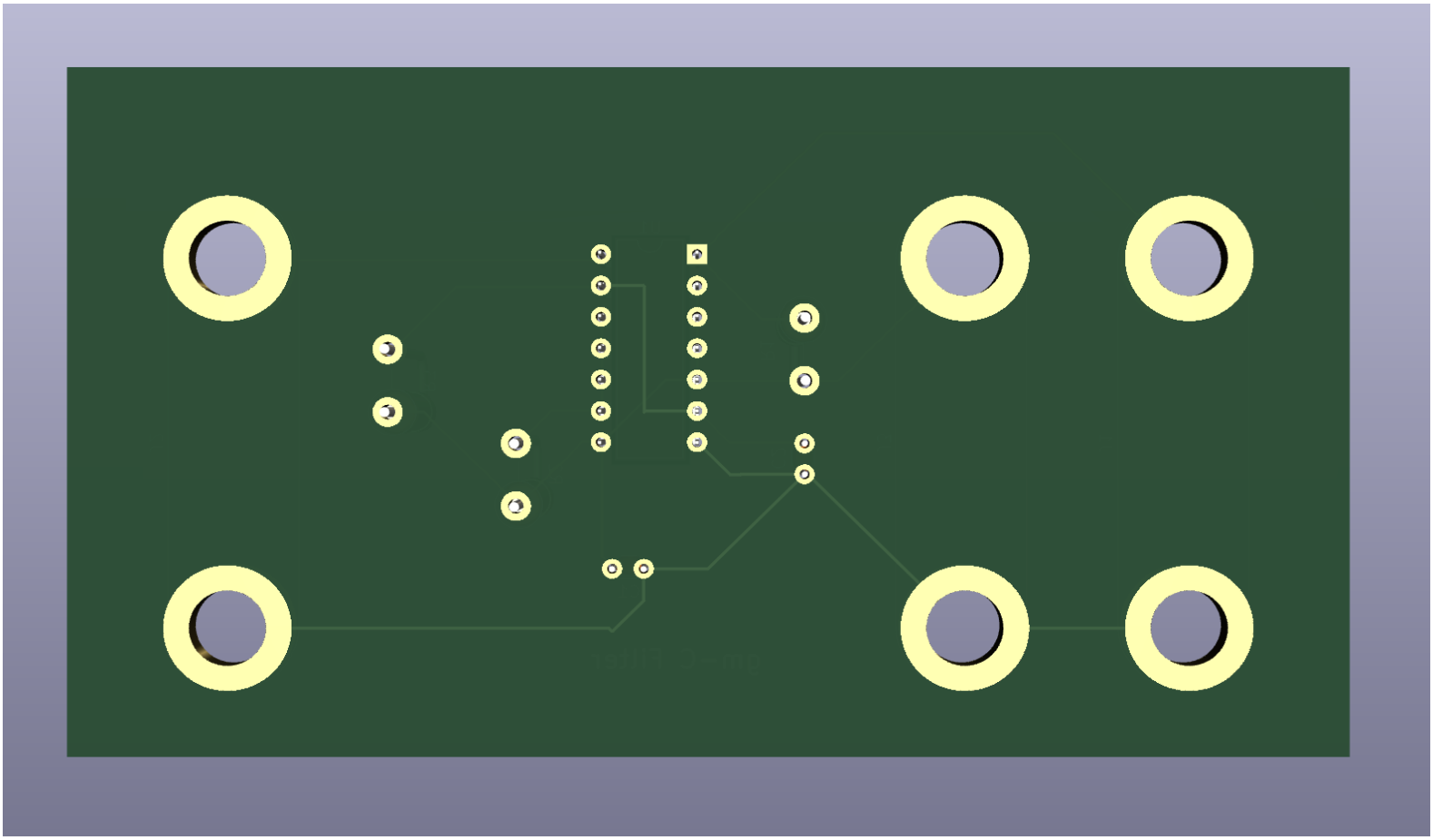
3.2 Back layer (used blue color for wires)



3.3 Front View in 3D



3.4 Back View in 3D



3.5 Other Views in 3D