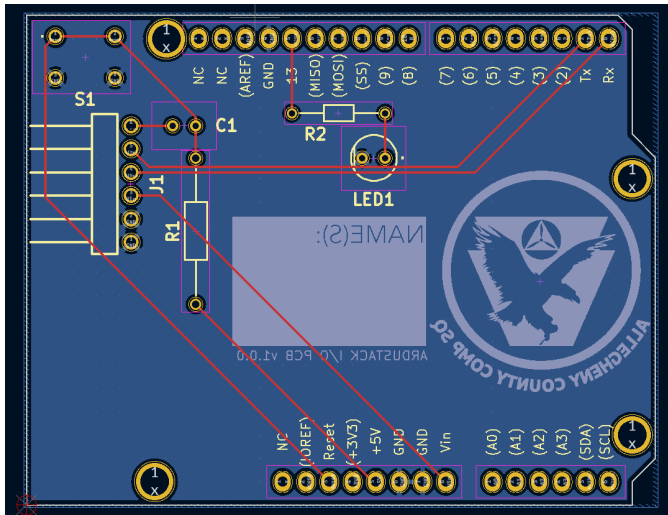
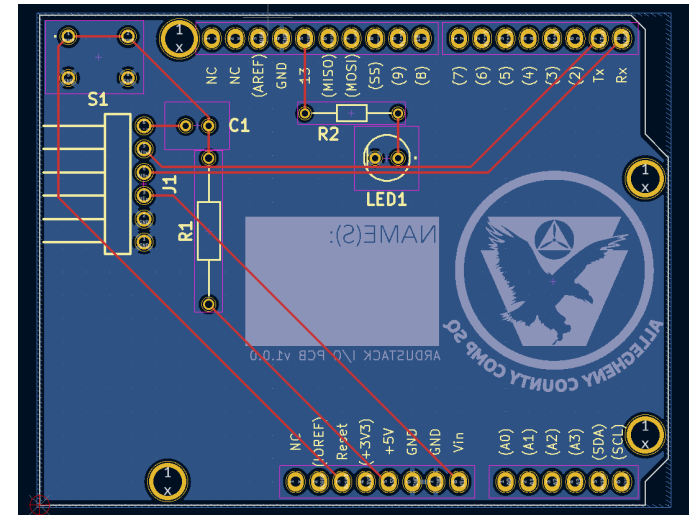


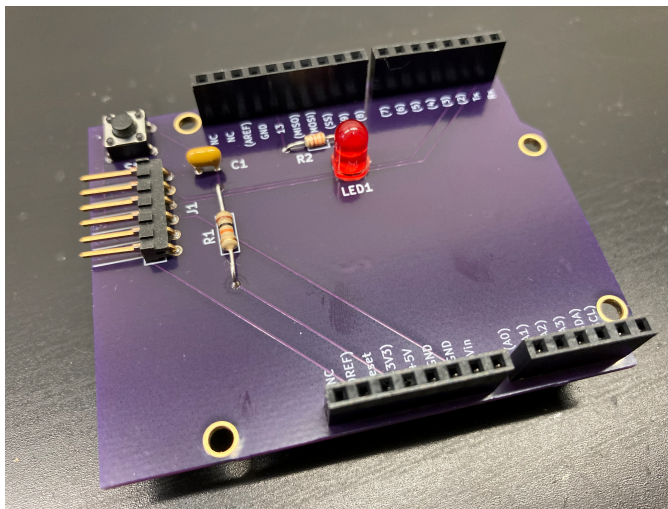
Ardustack I/O Board Design



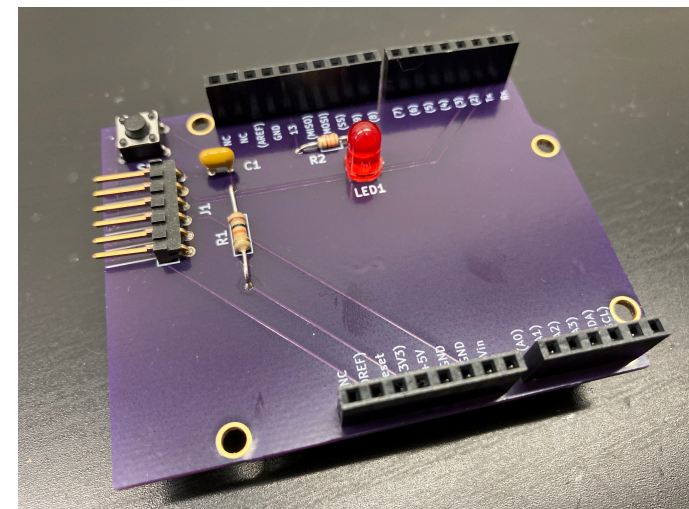
Completed design in software



Completed design in software



After manufacture and assembly



After manufacture and assembly



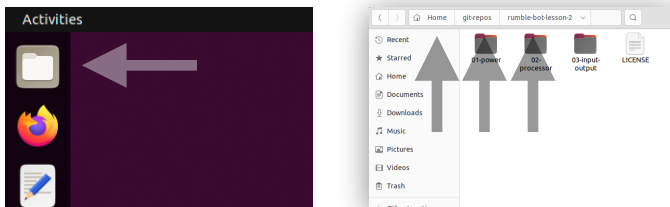
Open a Terminal window

```
pi@cap-602-01: ~/git-repos
pi@cap-602-01:~$ cd ~/git-repos/
pi@cap-602-01:~/git-repos$
```

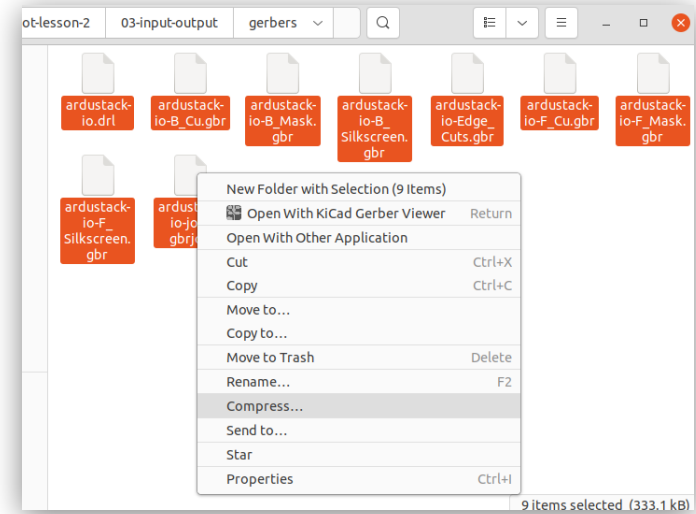
Change directories to the
git-repos folder

```
pi@cap-602-01: ~/git-repos
pi@cap-602-01:~/git-repos$ git clone https://github.com/CivilAirPatrol602/rumble-bot-lesson-2.git
```

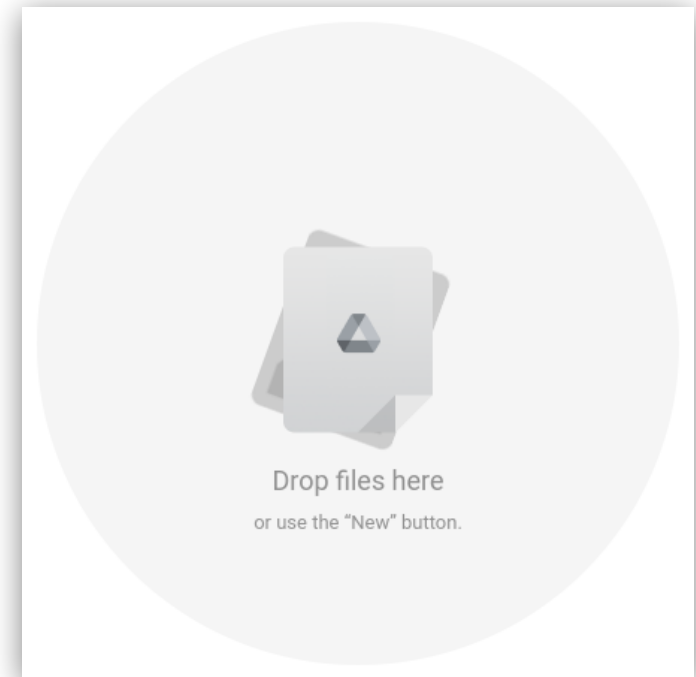
Clone the Lesson 2 repository



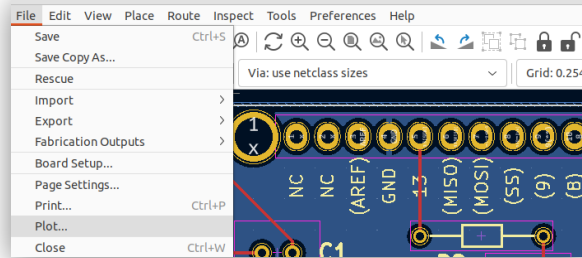
Open the Lesson 2 folder



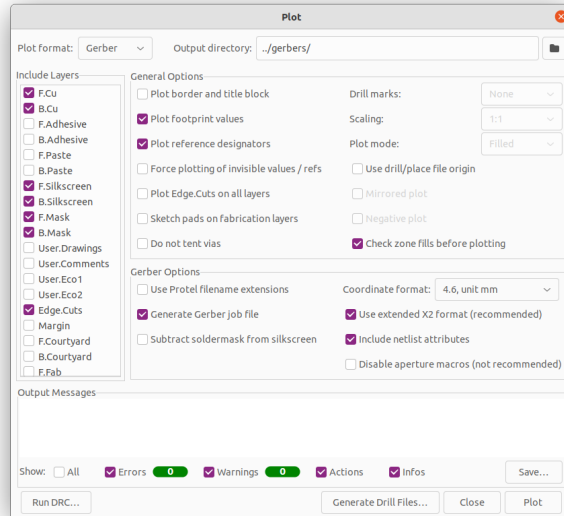
Create a ZIP containing all files



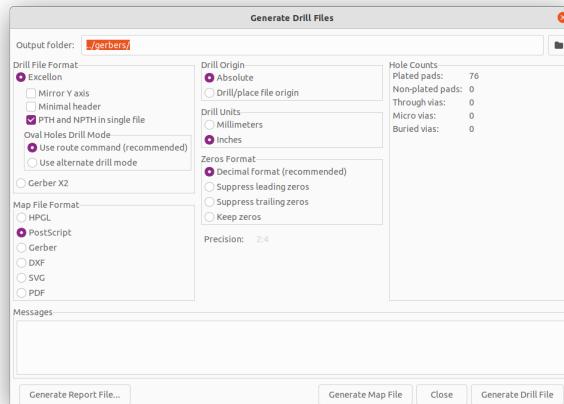
Upload ZIP to the drive



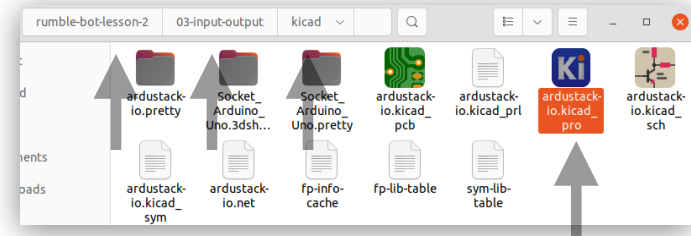
Choose File > Plot...



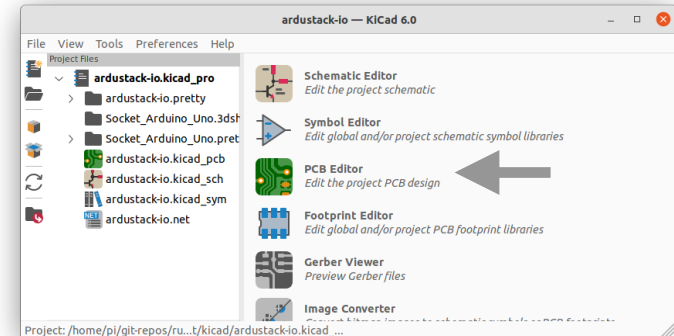
Choose Plot and then Generate Drill Files...



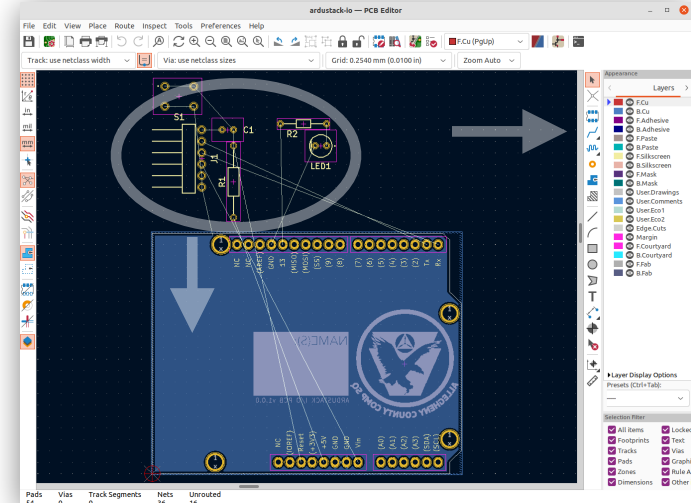
Choose Generate Drill File



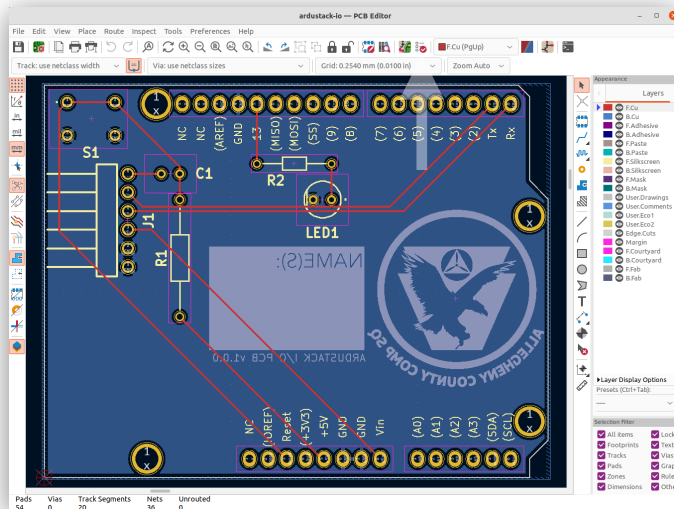
Open the .pro file



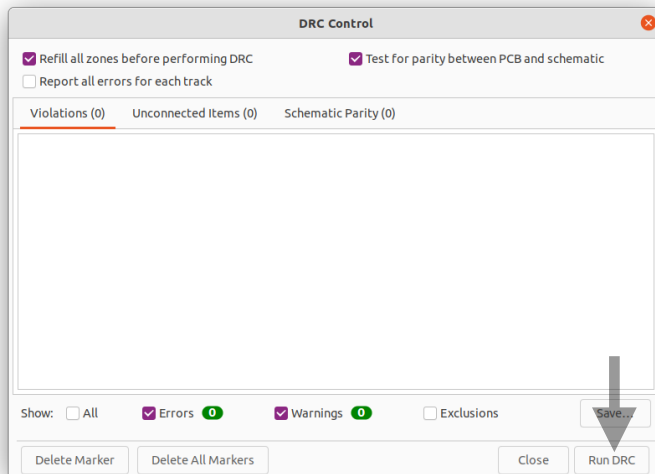
Choose PCB Editor



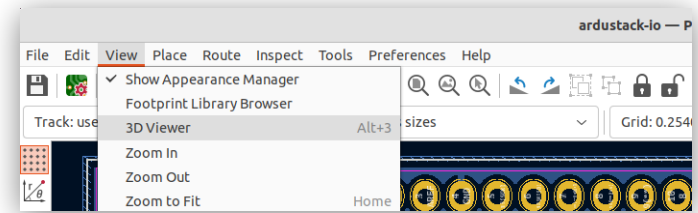
Move and place components;
route tracks between connections



The finished design should look similar to the above image



Use the Design Rules Checker window to ensure there are no Errors or Warnings



Use the 3D Viewer to check the front and back of the design

