Progress Report 3

RC car project

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IECE

Intelli Electronic Car Enthusiasts

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1.0 Tasks Completed

What has been done so far?

- The following tasks have been completed so far. They are listed below in point form for simplistic reasons.
    - Completed initial research of project.
    - Completed initial rough sketch design of project.
    - Completed initial component testing/research of project.
    - Completed initial software testing of project.
    - Completed prototype PCB design for Car.
    - Completed prototype PCB design for Remote.
    - Gathered all components for initial complete prototype (for Car and Remote).
    - Received Car and Remote PCBs from China.
    - Completed Remote PCB assembly.
    - Tested Remote PCB for functionality.
    - Completed Acrylic design for Car and Remote (in software).
    - **Completed Remote acrylic prototype assembly.**
    - **Completed Car PCB assembly.**
    - **Tested Car PCB for functionality.**

*Points in bold are additions onto this progress report from the previous progress report.

2.0 Next Tasks

What's next to completed?

- With the mentioned tasks above completed, the next near steps need to be completed. They are listed below in point form for simplistic reasons:
    - ~~Need to assemble Remote PCB.~~
    - ~~Need to complete acrylic prototype for Car (in software).~~
    - ~~Need to complete acrylic prototype for Remote (in software).~~
    - ~~Need to assemble Car PCB.~~
    - ~~Need to assemble acrylic prototype for Remote (physically).~~
    - Need to assemble acrylic prototype for Car (physically).
    - Need to attach DC motors to acrylic prototype for Car.
    - Need to attach car body to acrylic prototype for Car.
    - Need to upload final code to Remote PCB and Car PCB.

*Items crossed out refer to tasks already completed.

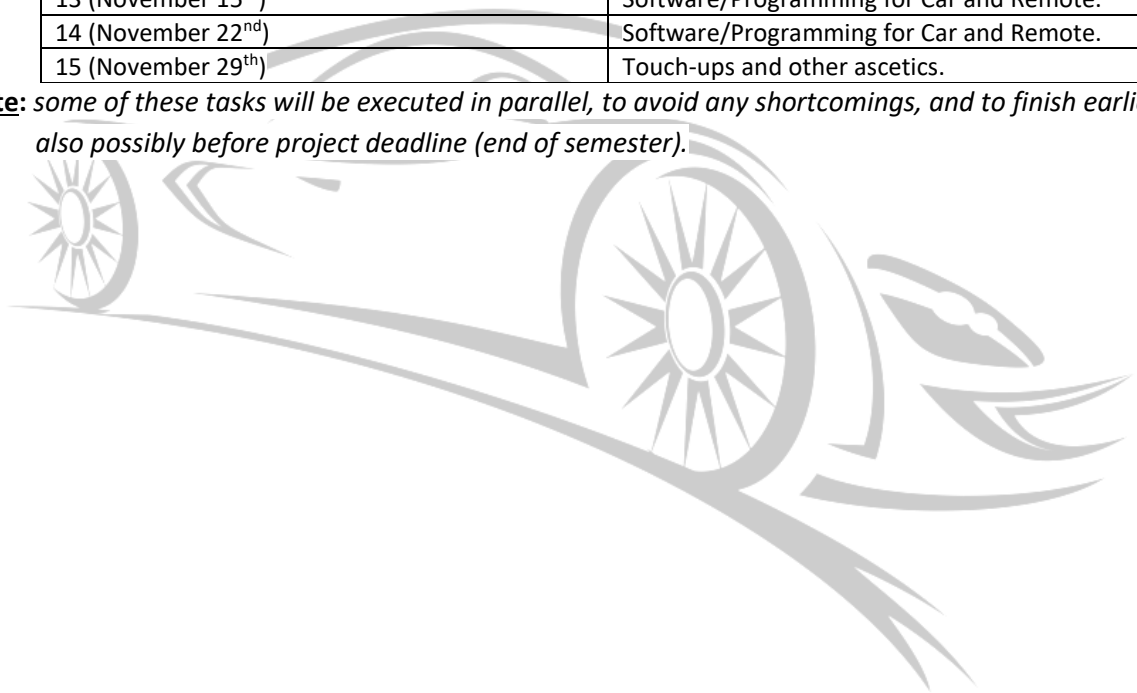
3.0 TIMELINE

Basic overview of what is left to do.

- A more exact breakdown of all the remaining tasks can be found in the table below:

Week	Task
~~10 (October 25th)~~	~~Assemble and test Car & Remote PCBs.~~
~~11 (November 1st)~~	~~Submit acrylic design for Car and Remote.~~
~~12 (November 8th)~~	~~Assemble acrylic for Car and Remote.~~
13 (November 15th)	Software/Programming for Car and Remote.
14 (November 22nd)	Software/Programming for Car and Remote.
15 (November 29th)	Touch-ups and other ascetics.

***Note:** *some of these tasks will be executed in parallel, to avoid any shortcomings, and to finish earlier also possibly before project deadline (end of semester).*



4.0 Pictures

Some pictures of work done so far.

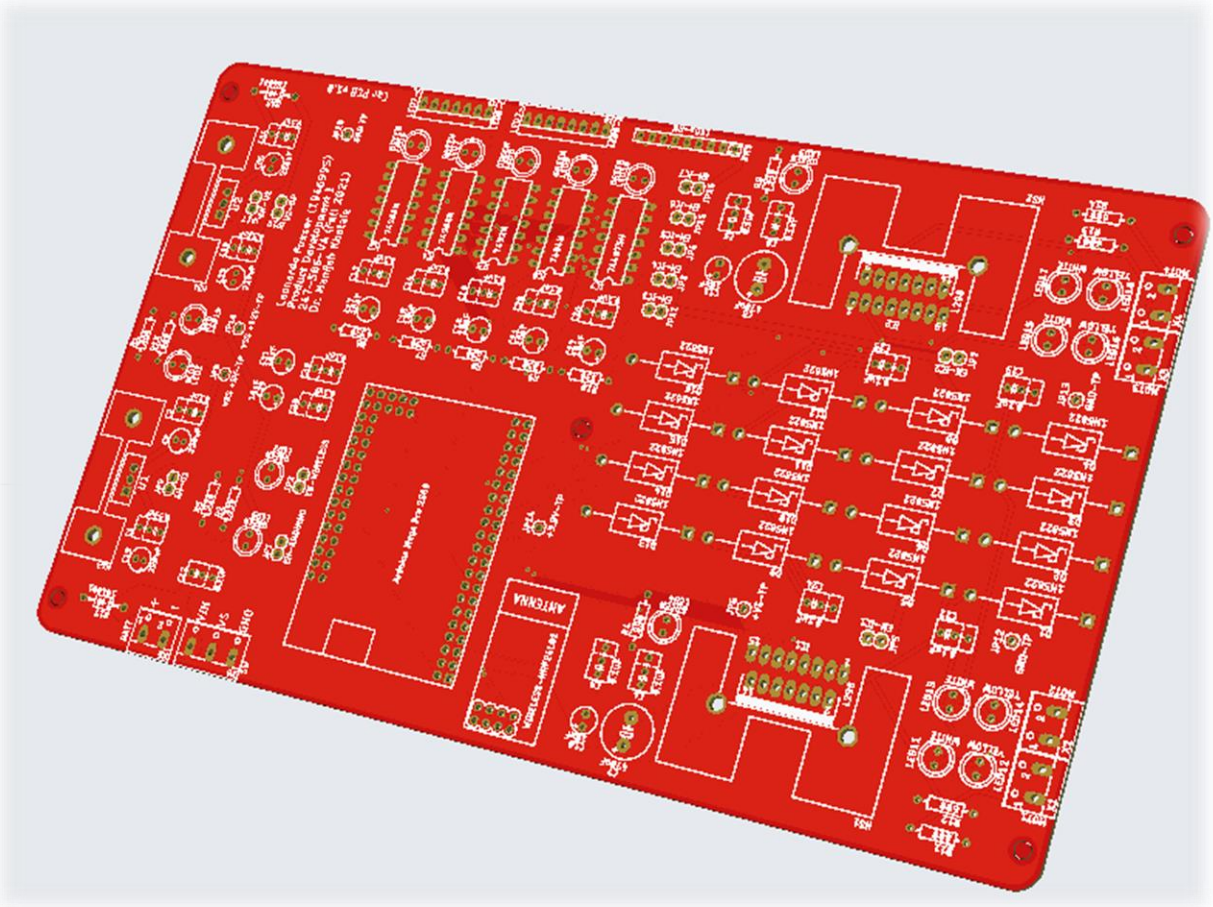


Figure 1. Car PCB (top view).

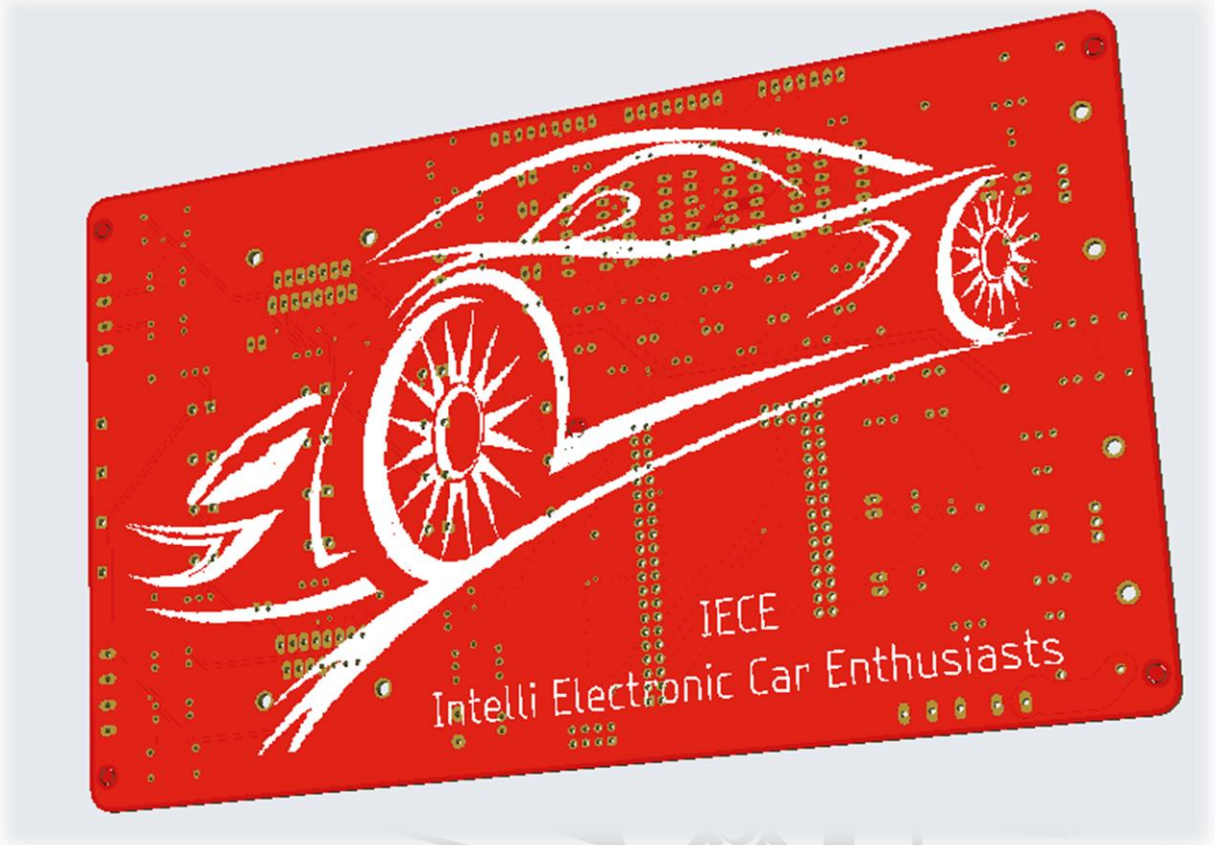


Figure 2. Car PCB (bottom view).

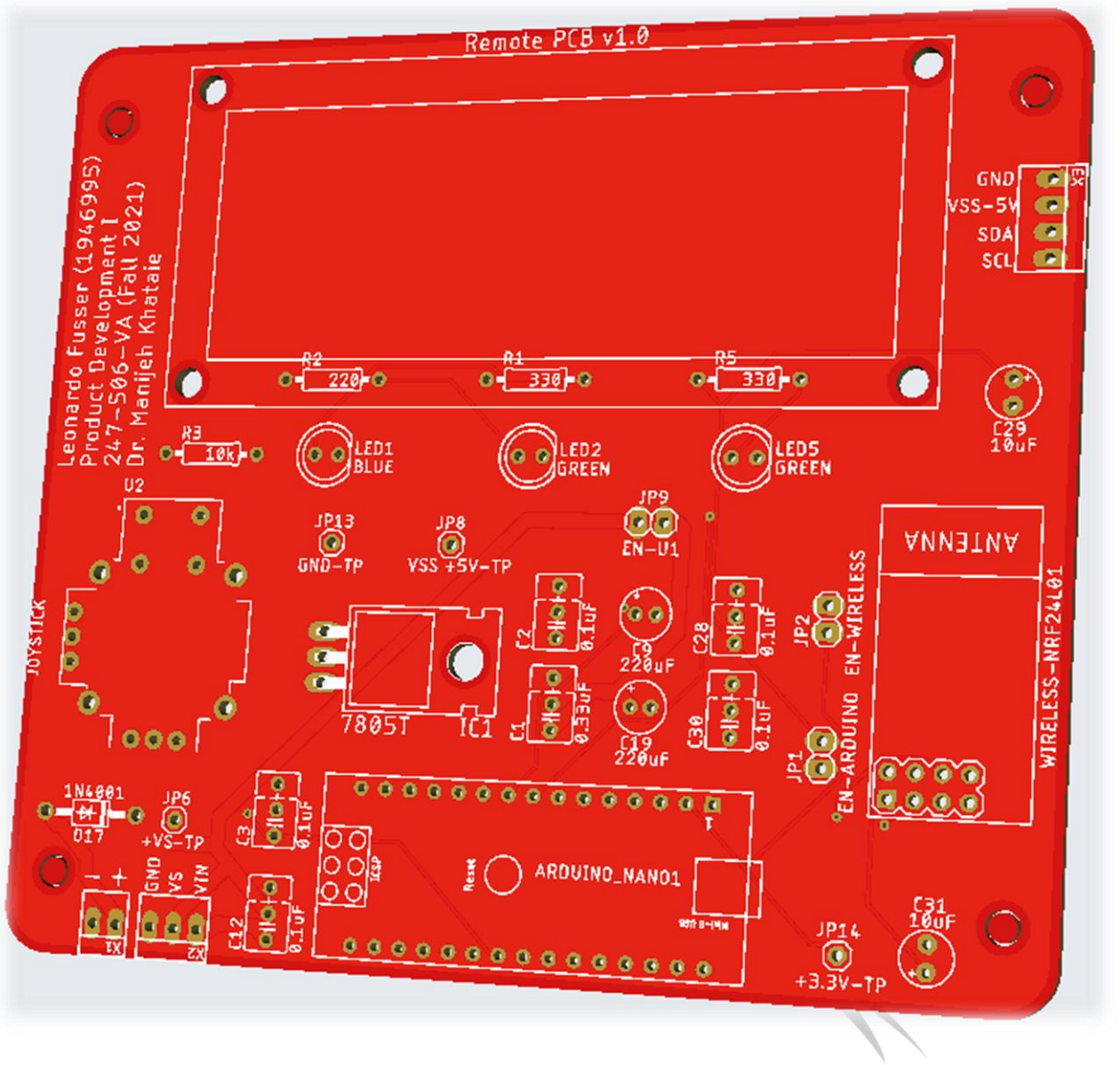


Figure 3. Remote PCB (top view).

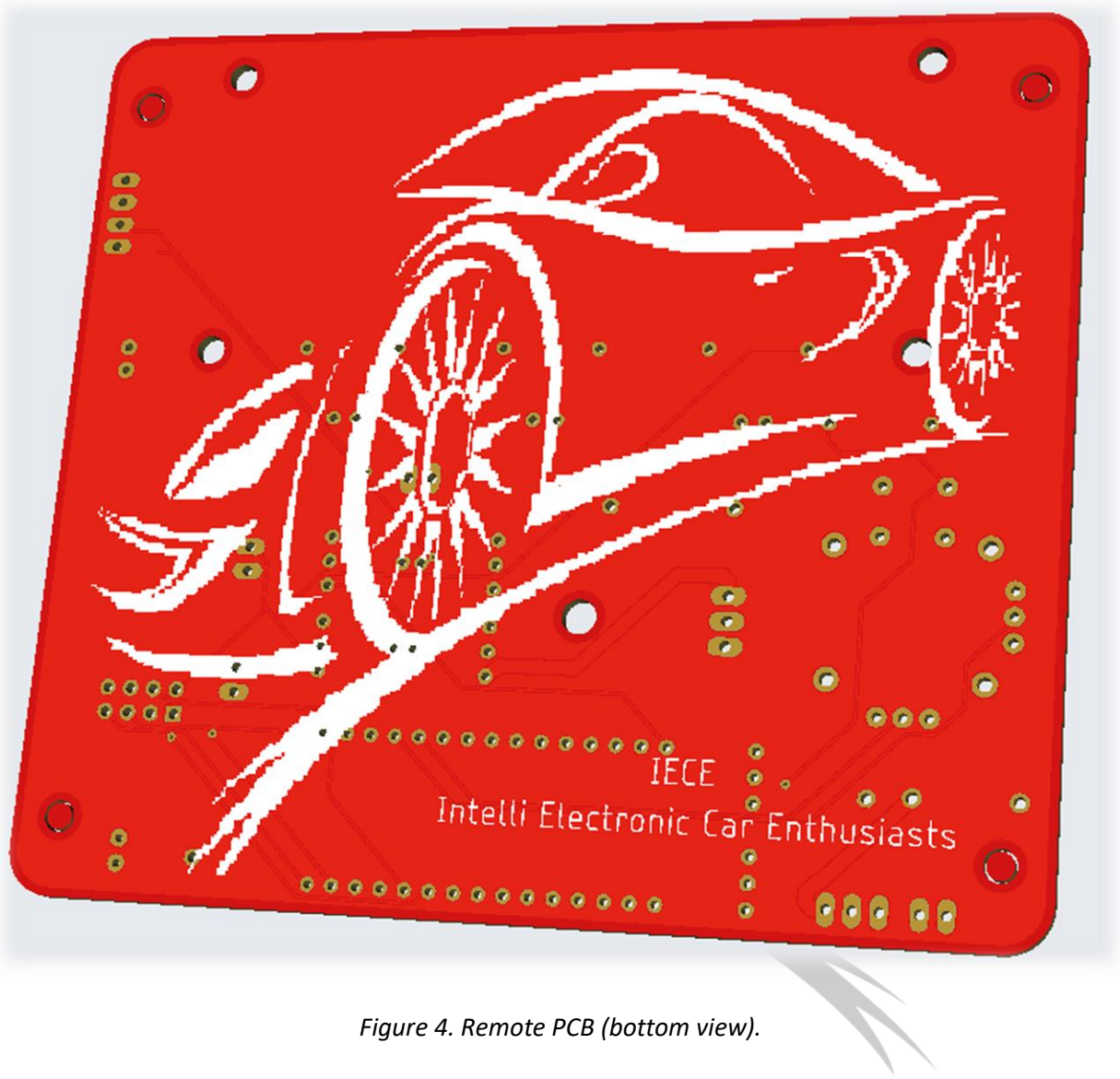


Figure 4. Remote PCB (bottom view).

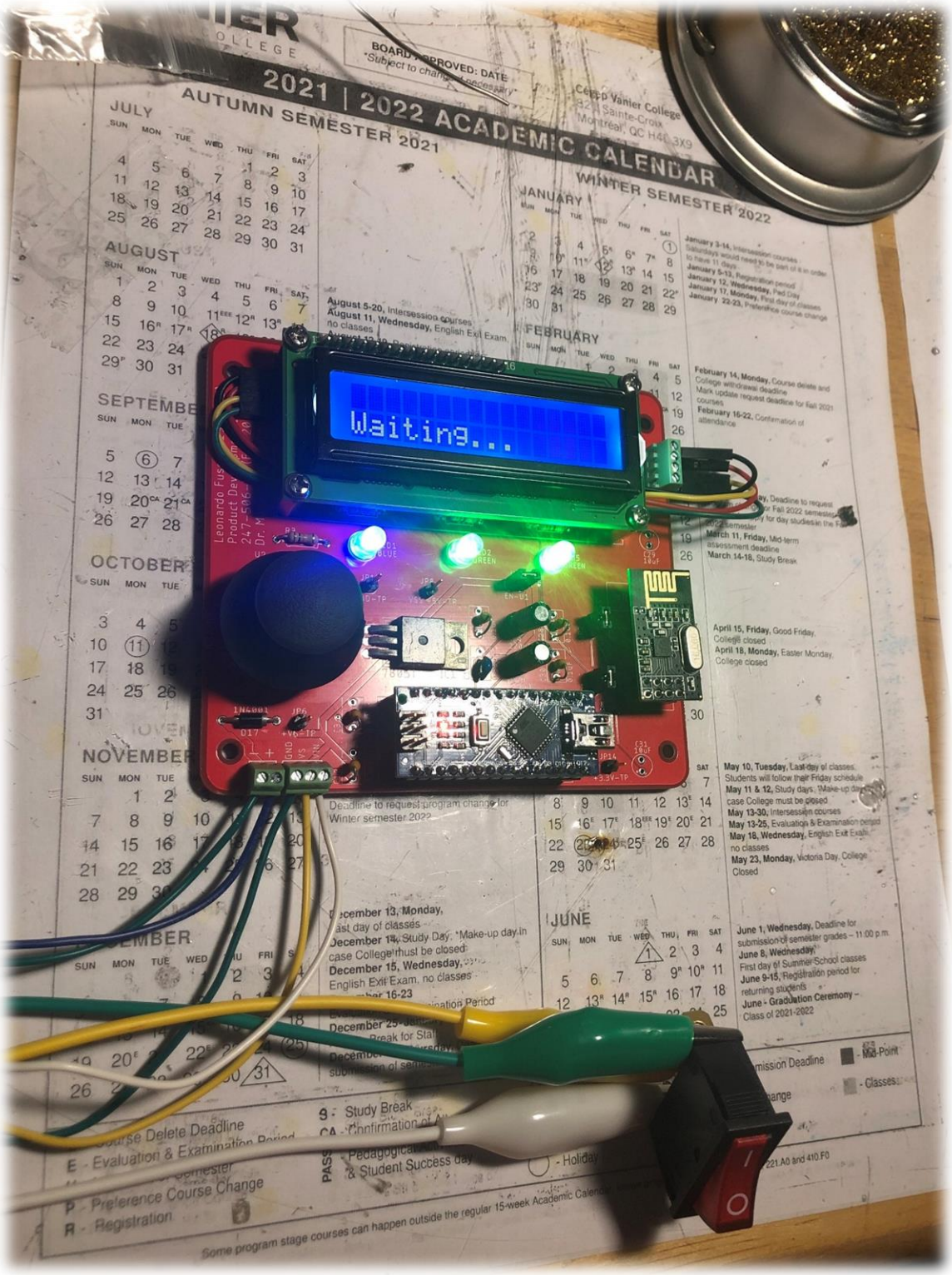


Figure 5. Assembled Remote PCB (top view -without acrylic).

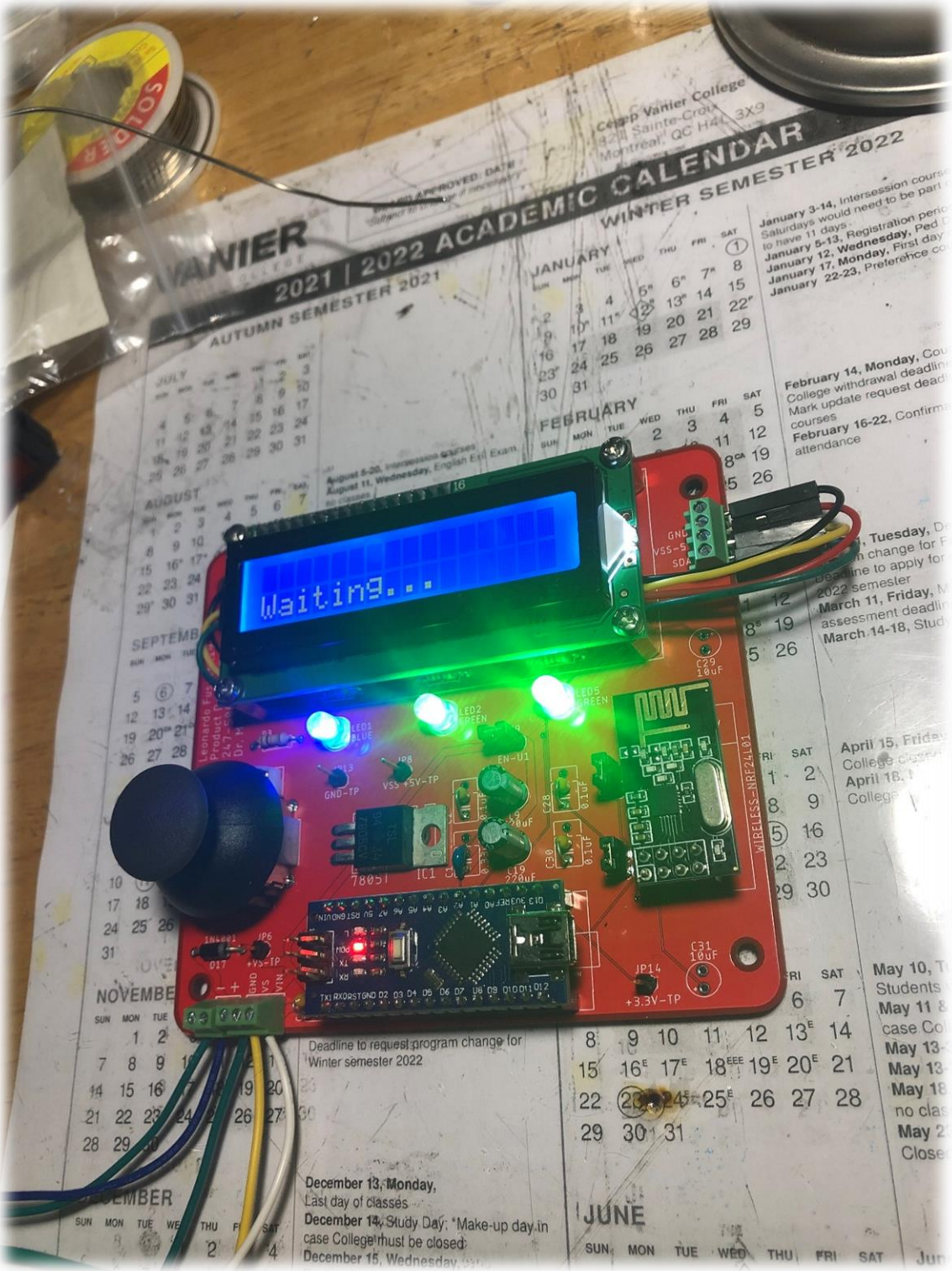


Figure 6. Assembled Remote PCB (top view – without acrylic).

Figure 7. Assembled Remote (top view – with acrylic).

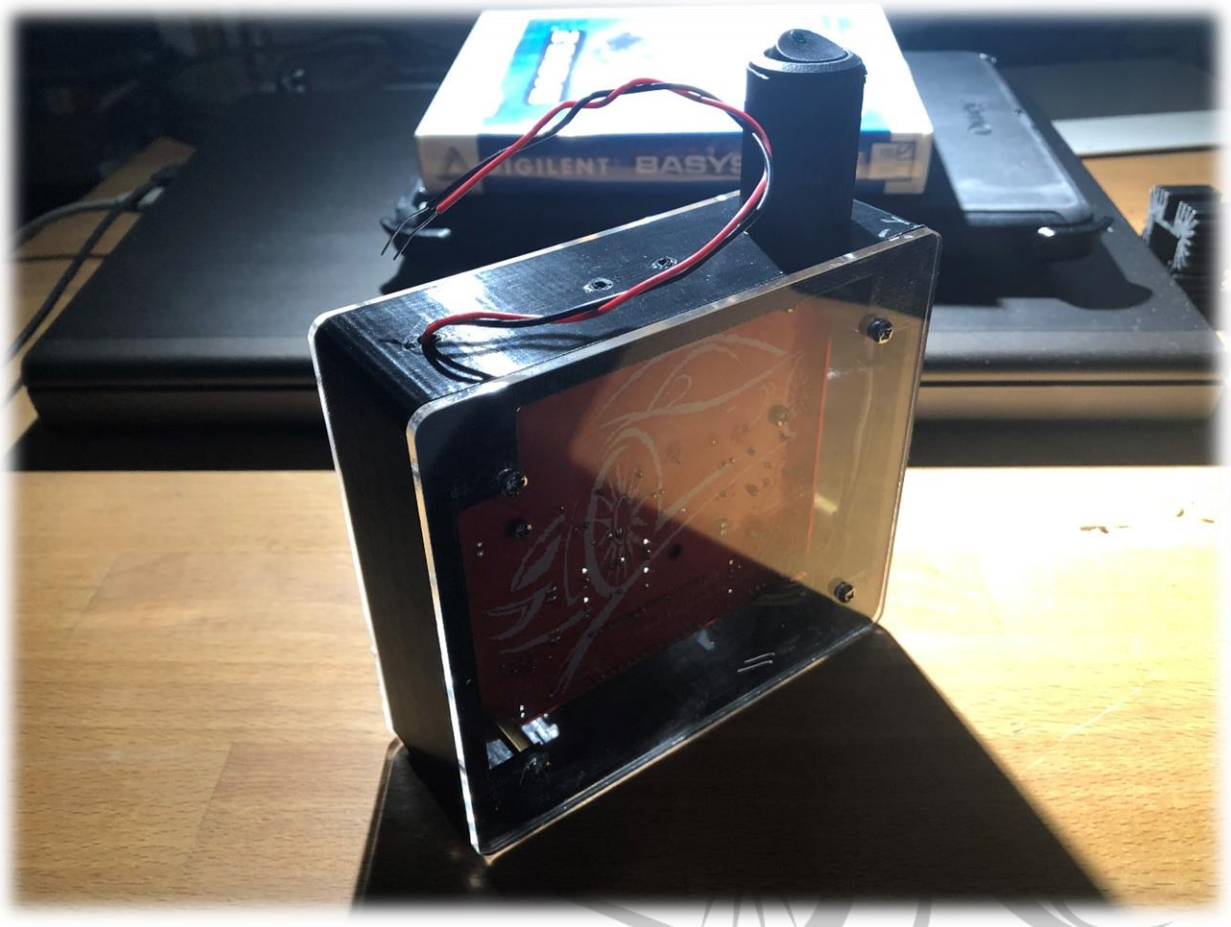


Figure 8. Assembled Remote (bottom view – with acrylic).

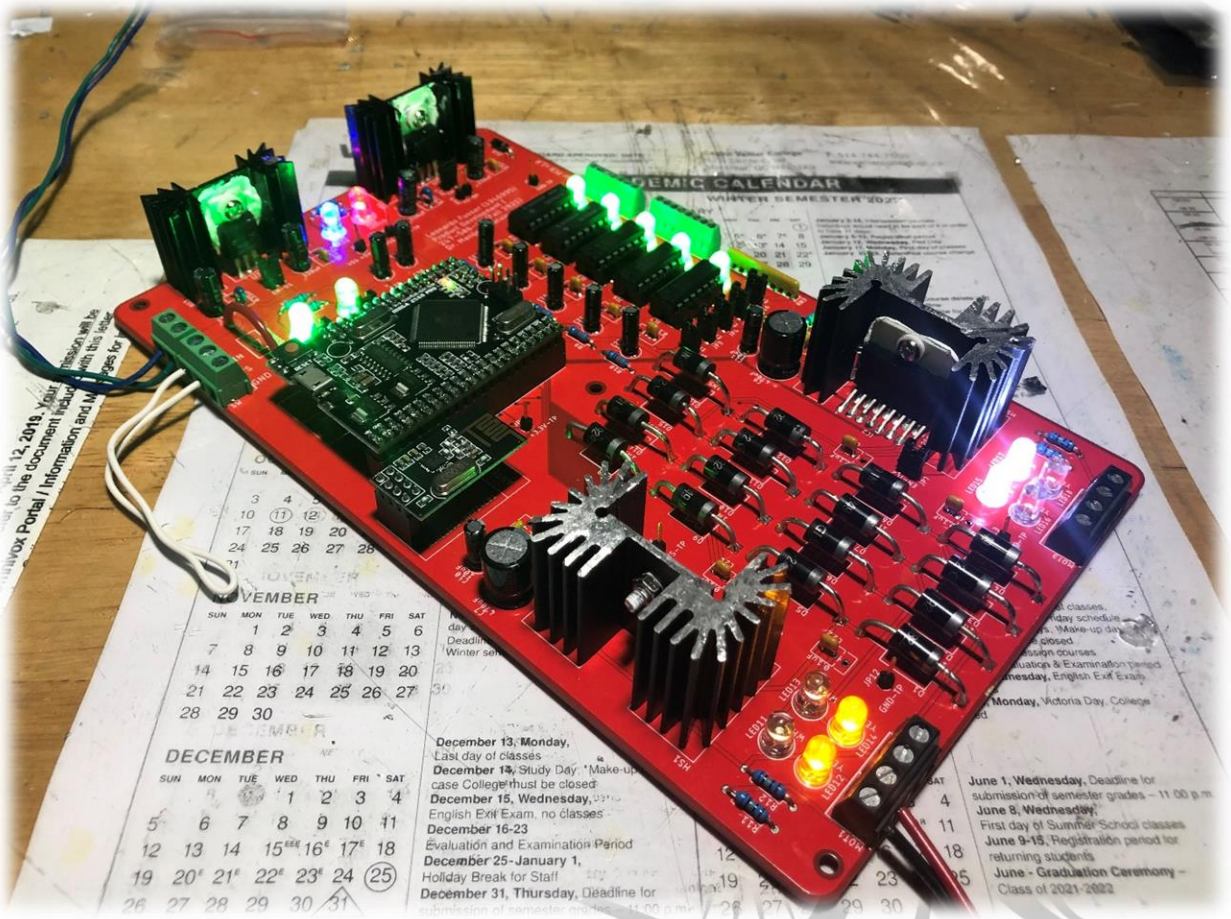


Figure 9. Assembled Car PCB (top view-without acrylic).

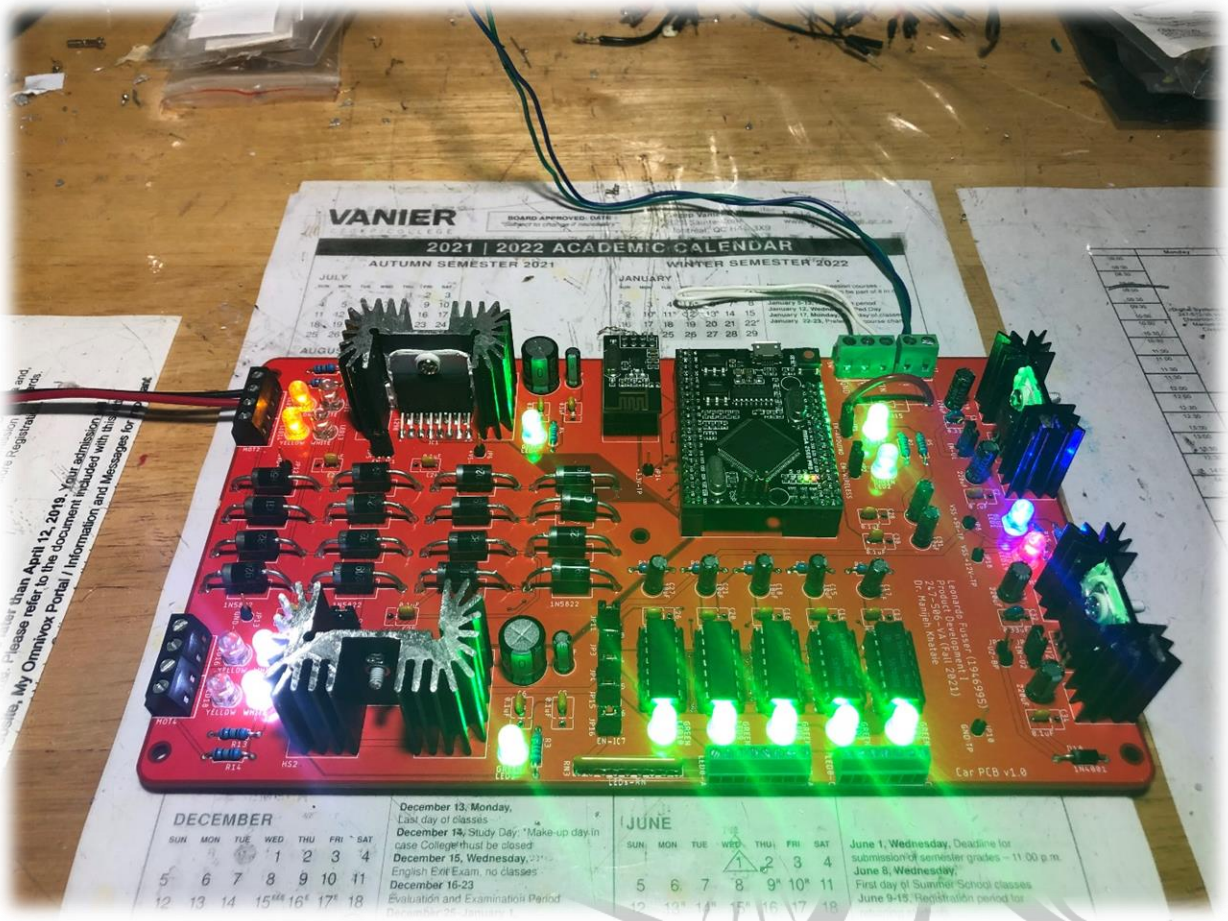


Figure 10. Assembled Car PCB (top view-without acrylic).