CalSol Schematic Onboarding Specs

Goal

It is too much to expect every member to uniquely design this hard schematic at this state, so instead we are going to make sure you write a report on the schematic you make to show that you truly understand your work.

We will expect with your screenshot of done schematic a few paragraphs explaining how **YOU** understand the schematic intuitively. AI is not allowed (if we catch you using it we will not let you join CalSol, and we will catch you)

Specs

- Take a screenshot of your circuit (both LED and PWM driver) and ERC checker
- Include with your submission with multiple paragraphs (AI not allowed; if you are caught you will not be allowed to onboard) where you explain the motor driver and speed controller sub circuit. Feel free to annotate the schematic directly if it helps!
- Write something personal about the most interesting thing you found about the schematic as another paragraph.
- Finally, research the 555 timer datasheet and write down interesting things you found as part of the paragraphs.

Expectations

Please make a true earnest attempt at writing something meaningfull to you. Be able to explain your circuit as if you designed it. If you want to be here to get a job, this is what you would have to do anyway. Good luck, please ask for help.

Deliverables

- Screenshot of schematic and ERC

- Circuit explanation

- Datasheet Explanation

- Personal reflection