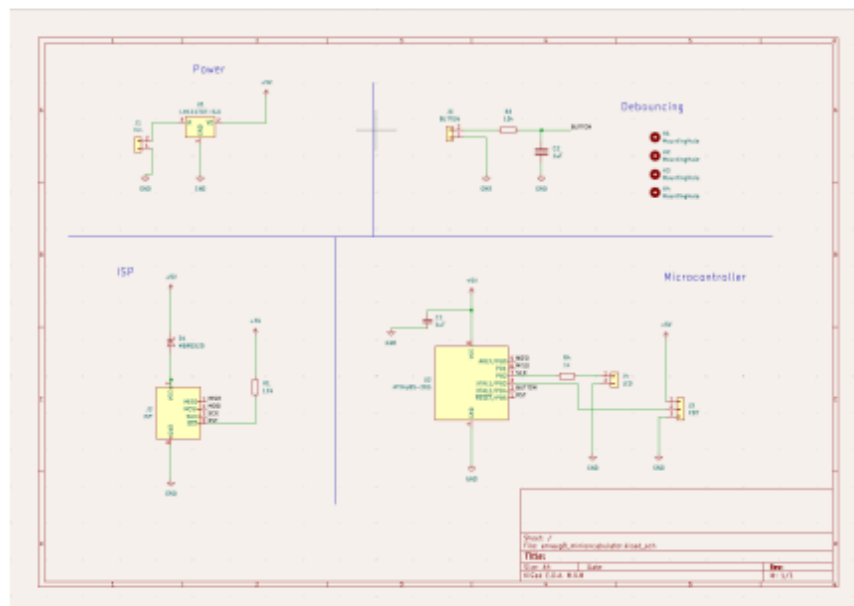
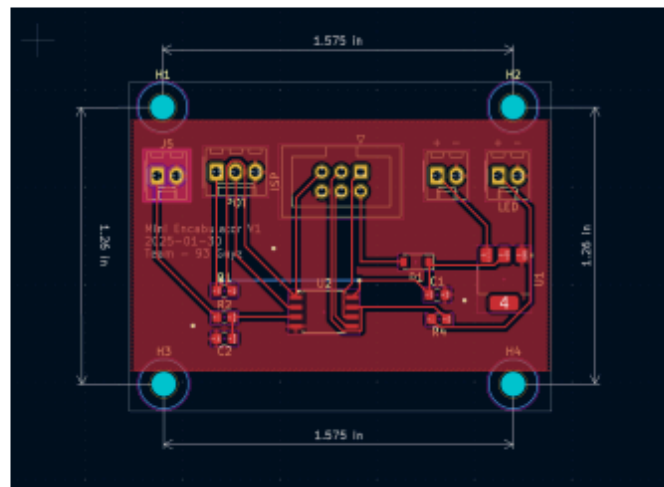


Week 3

Encabulator & KiCad Learning



ECB 445 lecture 4

Arnav Garg

Altium Designer

- EDA (electronic design automation)
 - PCB design
- ↳ has schematic capture/design
- ↳ PCB layout editor
- Very library powerful

Like Github for sharing files online

0805 - resistor/capacitor best packages

PCBWay

↳ best, cheapest way to print from China

PCB Manufacturing Points

- ↳ Layer Count
- ↳ Material
- ↳ Surface Finish

Grounding Mat

↳ ensure safety moving through the assignment

Fabricated PCB

↳ double check solders always!!

Expectations:

Our team contract laid out these ground rules:

- **Weekly stand-up meetings** every Monday.
- **Peer code reviews** on every GitHub pull request.
- Response time of **< 12 hours** for Slack messages during weekdays.
- **Equal division of labor**, with each member responsible for one subsystem and cross-review for another.

Throughout the semester, we:

- Held **13 of 14** scheduled stand-ups (one was canceled due to holiday).
- Conducted **100% of PRs** with at least two reviewers before merging.
- Maintained an average Discord response time of **4 hours** on weekdays.
- Tracked tasks in Trello and kept workload balanced within 10% per member.