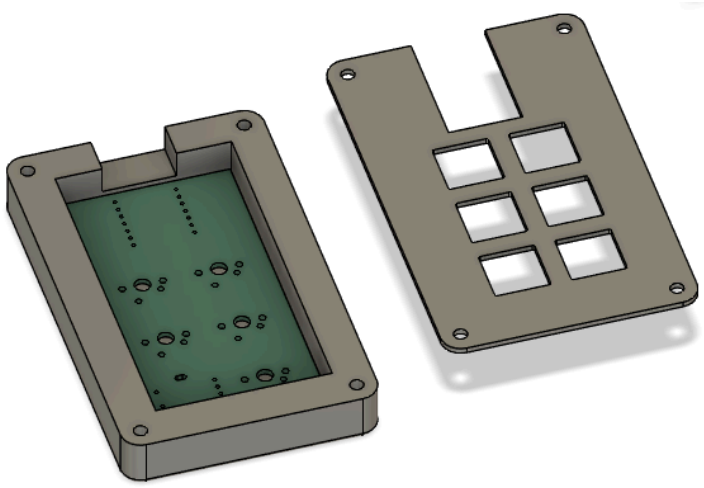
Sahasra's Audio Hackpad



Inspiration

One of the biggest problems I always face when audio editing is having the shortcuts and keys far apart.
Not only does this slow my process down, but when I'm in a rush, I often click the wrong buttons, and my whole project gets destroyed.
This hackpad is designed to solve that problem, as I specifically designed it for audio editing, allowing me to quickly cut audio and adjust noise levels (all referencing Adobe Audition).
Moreover, I can do all this without risking clicking the wrong button or moving my hand away from my mouse, solving my problem with time constraints and incorrect commands.

Challenges

This was my very first time doing anything like this project. That means first-time using PCBs, electrical schematics, GitHub, the whole gist.
It took a lot of googling and asking others for help, but I finally made it after a couple of weeks.
I'm really proud of this finished product and super happy that it'll solve a lot of my audio editing problems now.

Specifications

BOM:
- 5x Cherry MX Switches
- EC11 Rotary Encoder
- 1x XIAO RP2040
- 5x Blank DSA Keycaps
- 4x M3x16 Bolt
- 4x M3 Heatset

Others:
- KMK Firmware
- Top Case.stl
- Bottom Case.stl

Skematic	Case	PCB