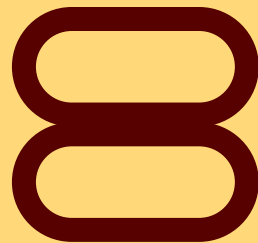


# Gaming Handheld

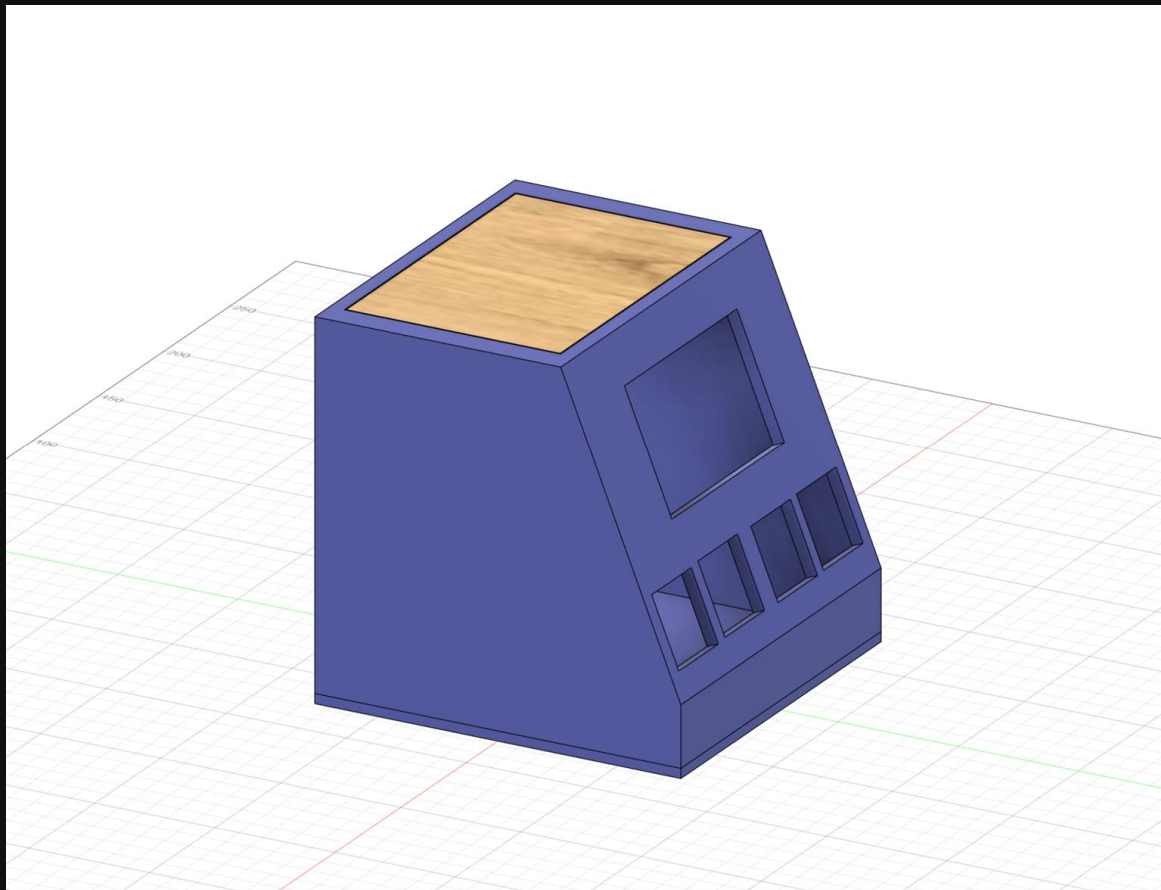


Ethan Quigley  
12/19/2025

Inspiration

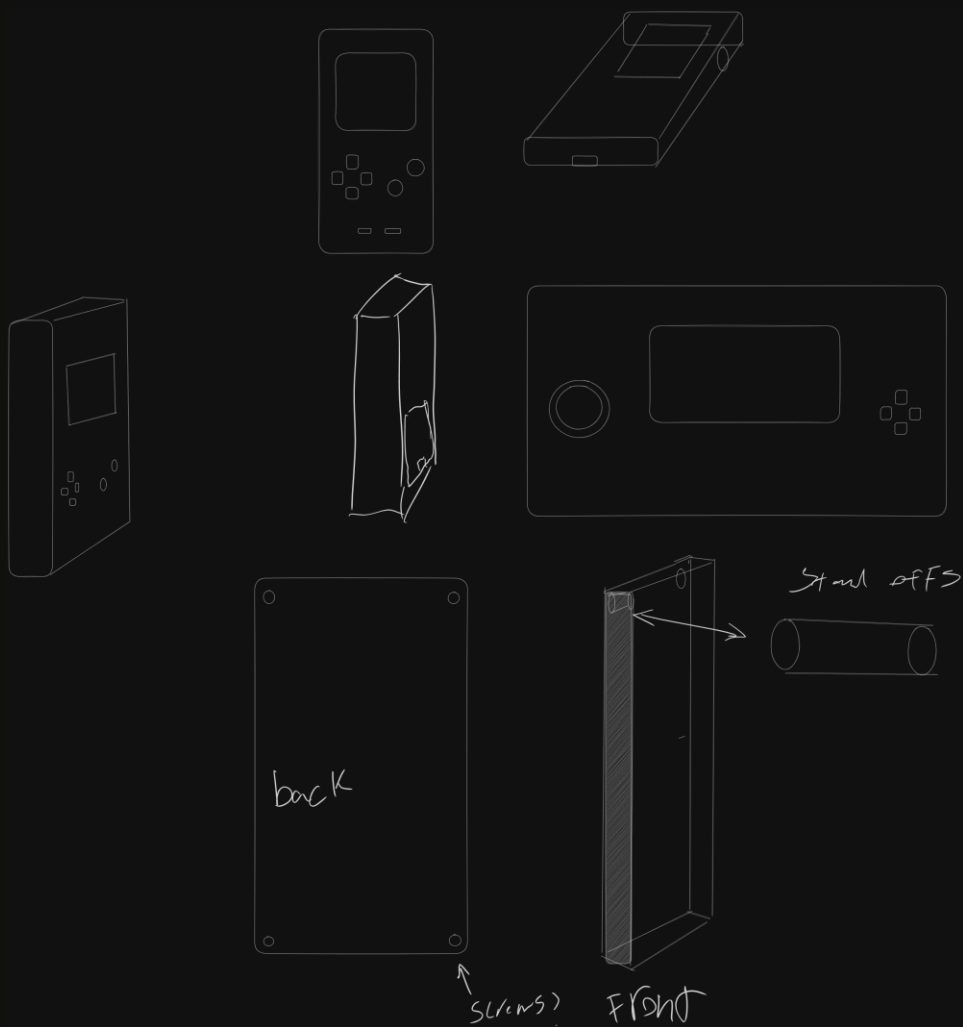
## Inspiration





Design

## Design



Parts



Display



ESP32



Power Switch



Volume Wheel



D-Pad



A & B Buttons



Home & Select  
Buttons

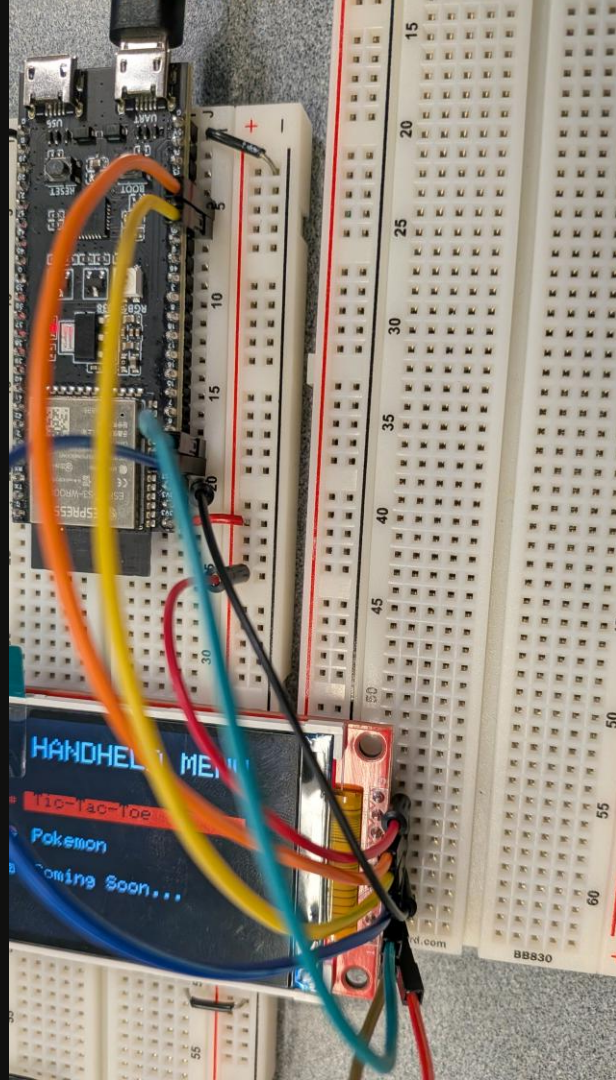


Buzzer Speaker

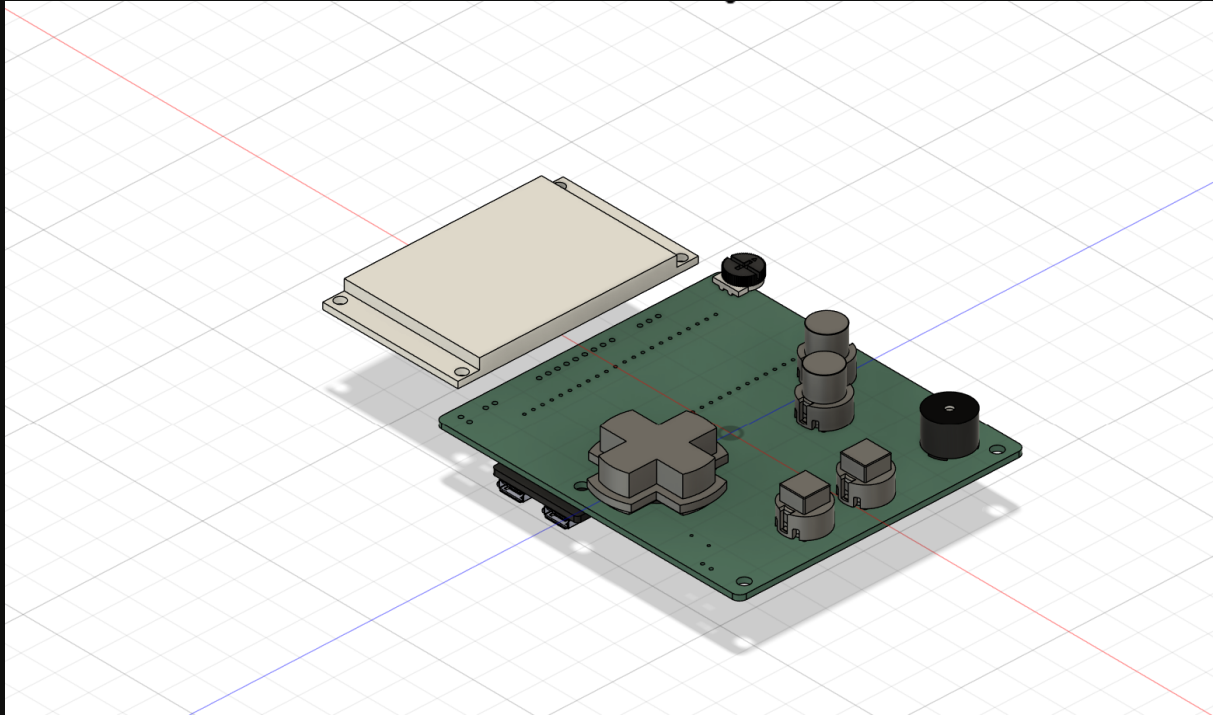


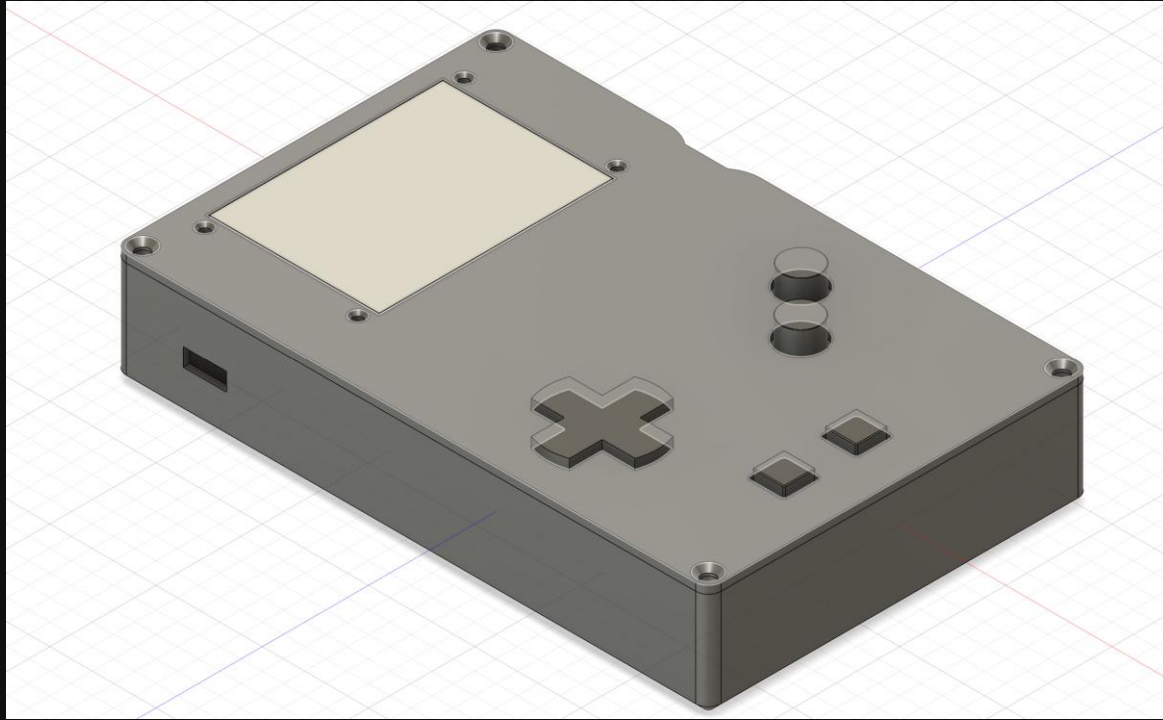
Prototype

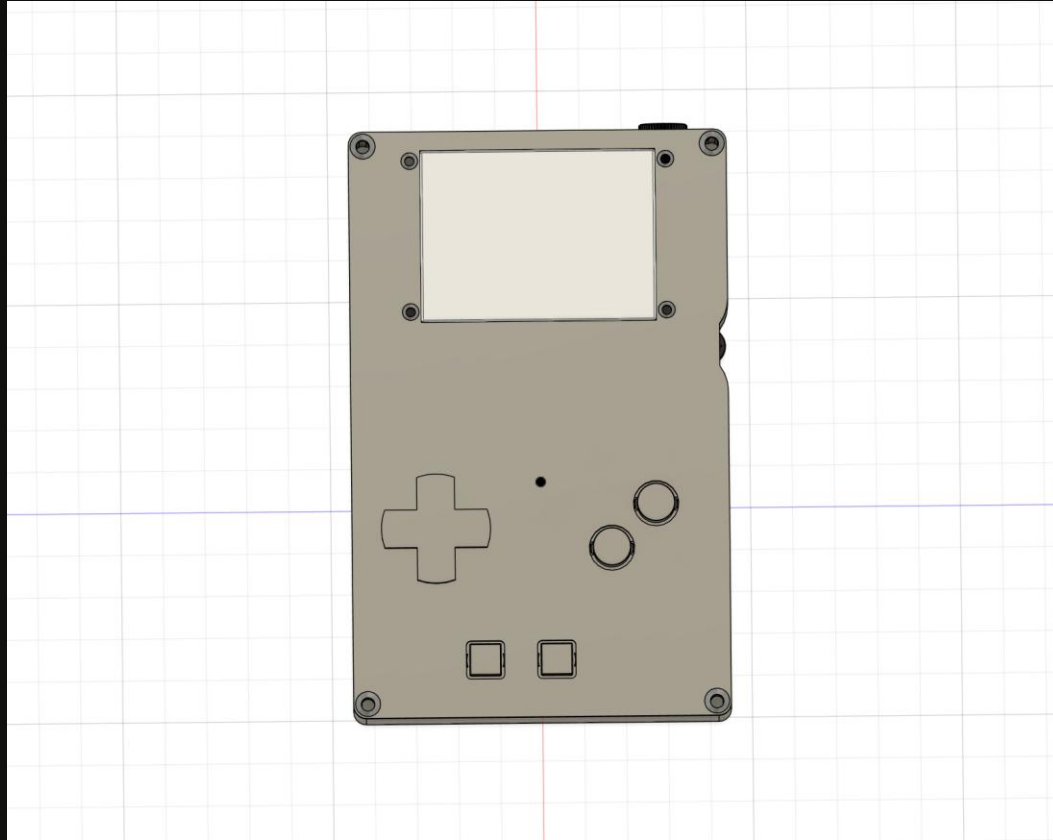
Prototype



Fusion360

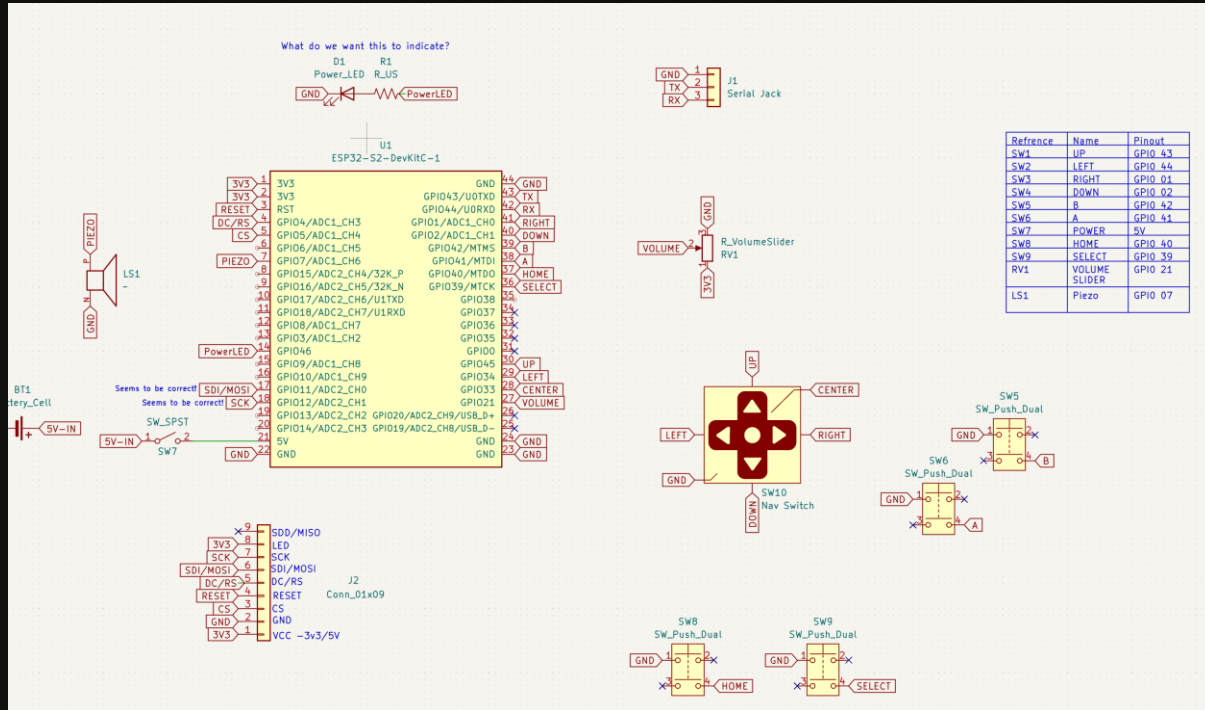






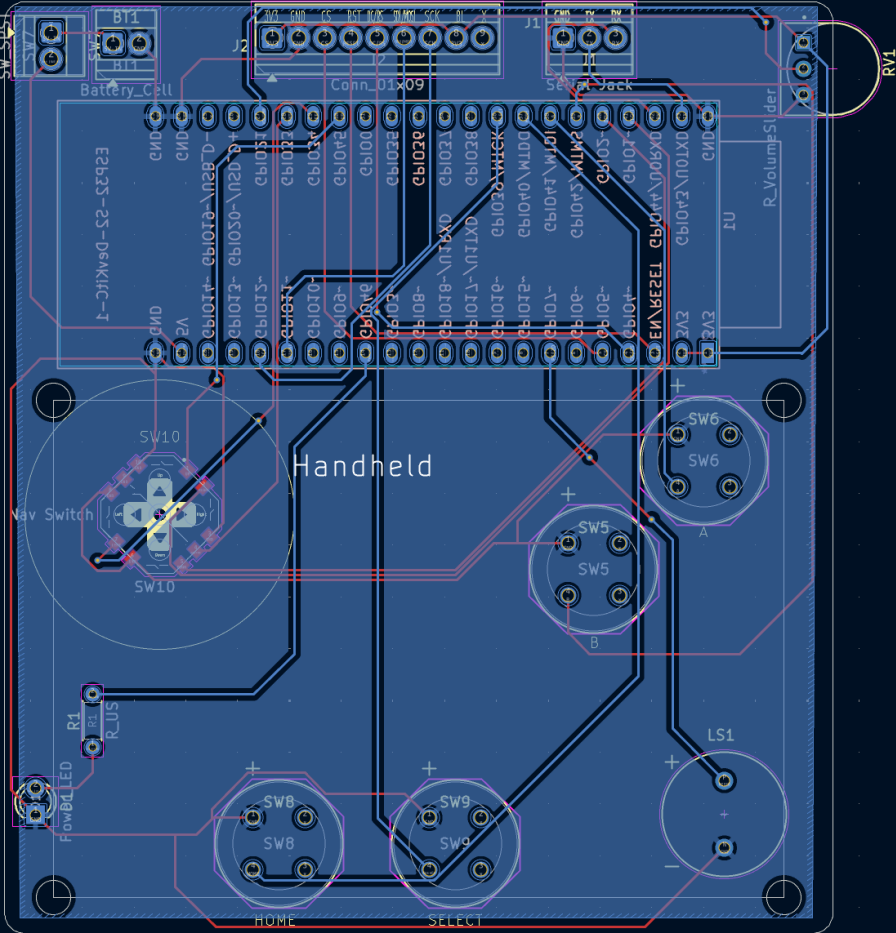
# The PCB

# The PCB





## The PCB



Code

Code

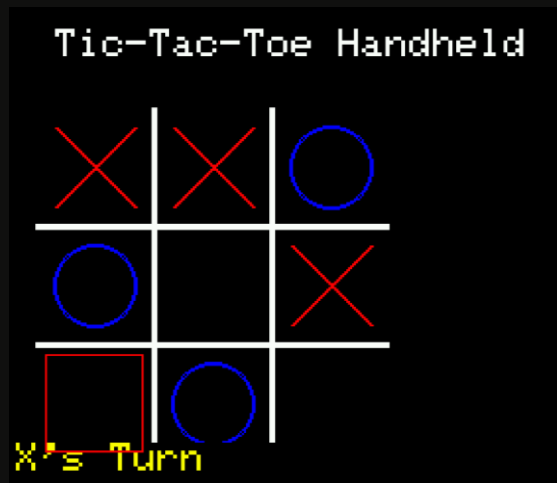
It was a lot

Code

It was a lot

Like 3000+  
lines a lot

Games



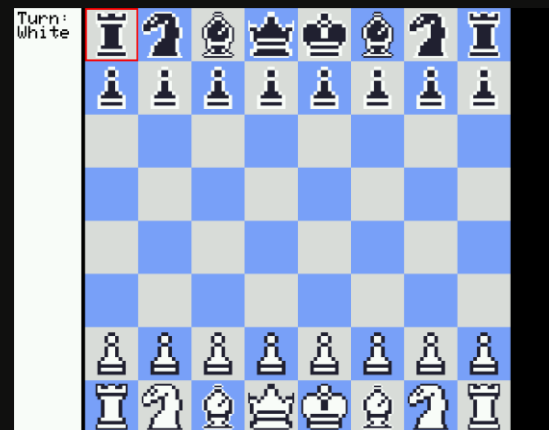
Tic-Tac-Toe

- Pass and play
- It's Tic-Tac-Toe ... so yeah



Pokémon Battler

- Singleplayer
- 9 different monsters with unique ability's

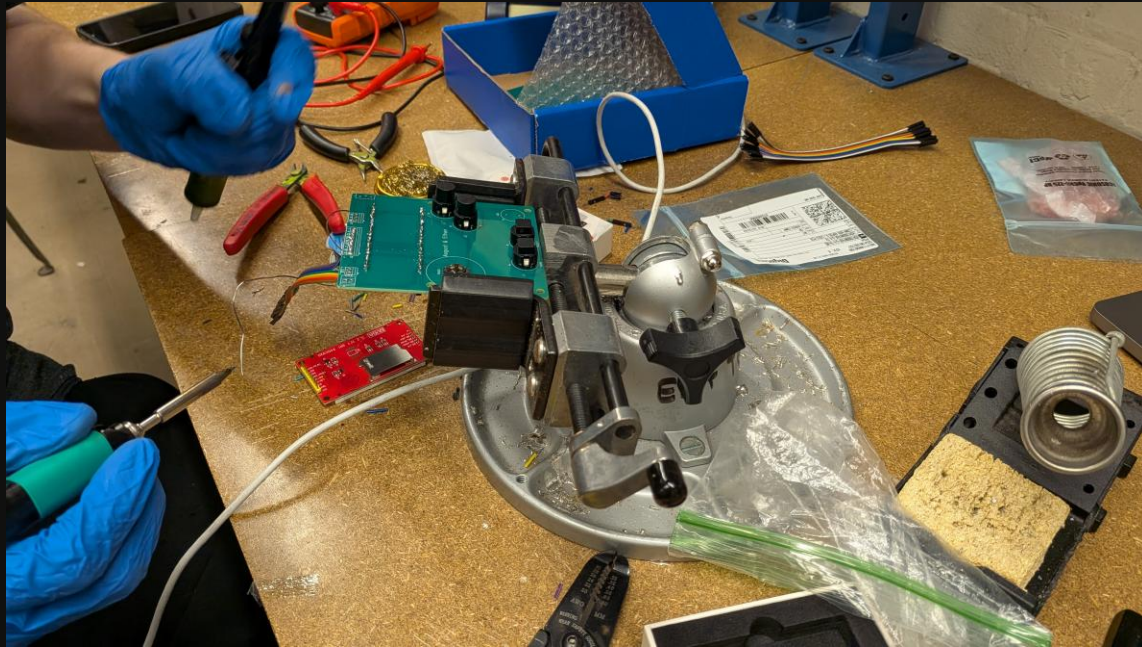


Chess

- Pass and Play
- Linked Multiplayer

Putting it all together

Putting it all  
together





The Final Product

The Final  
Product



Thank you!

