

EDES 301

PCB Project

Joshua Aviles

Due 12/16/2025 @ 11:59pm

Background Information

Create a PCB for an “Etch-a-Sketch”

Hardware:

- SPI Display Screen

- Two Potentiometers

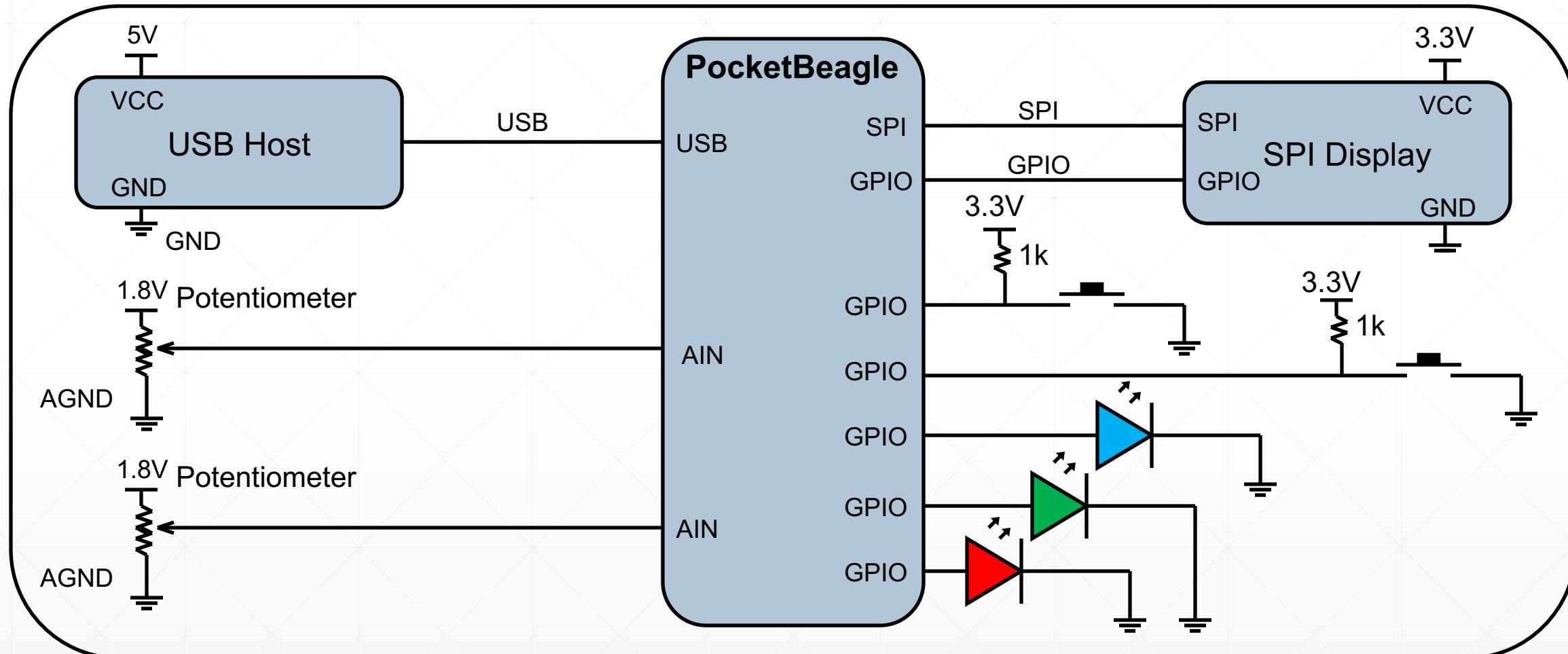
- Two Buttons (Reset the Game, Change Color)

- Three LEDs (Red, Green, and Blue for Color)

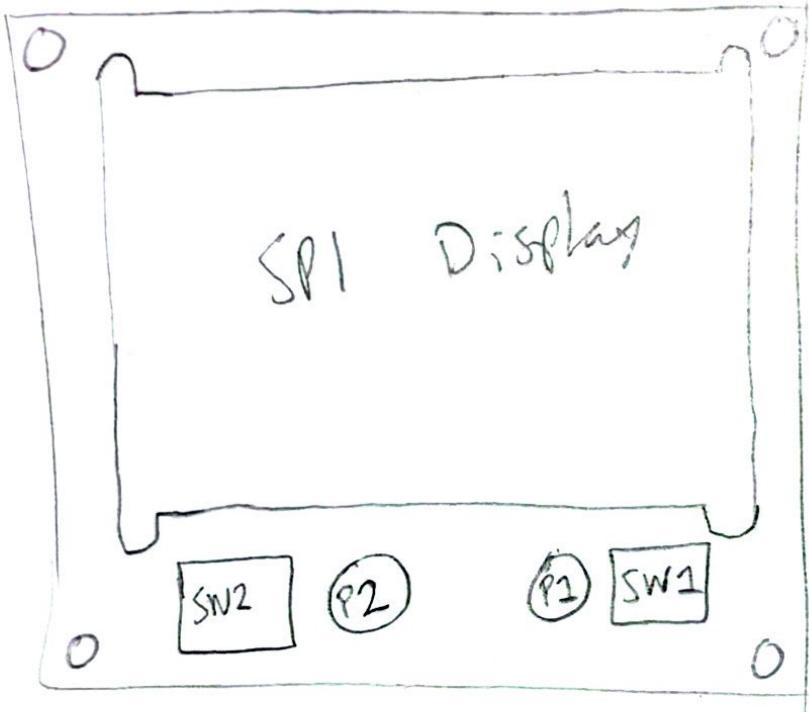
- USB Port (Expansion)



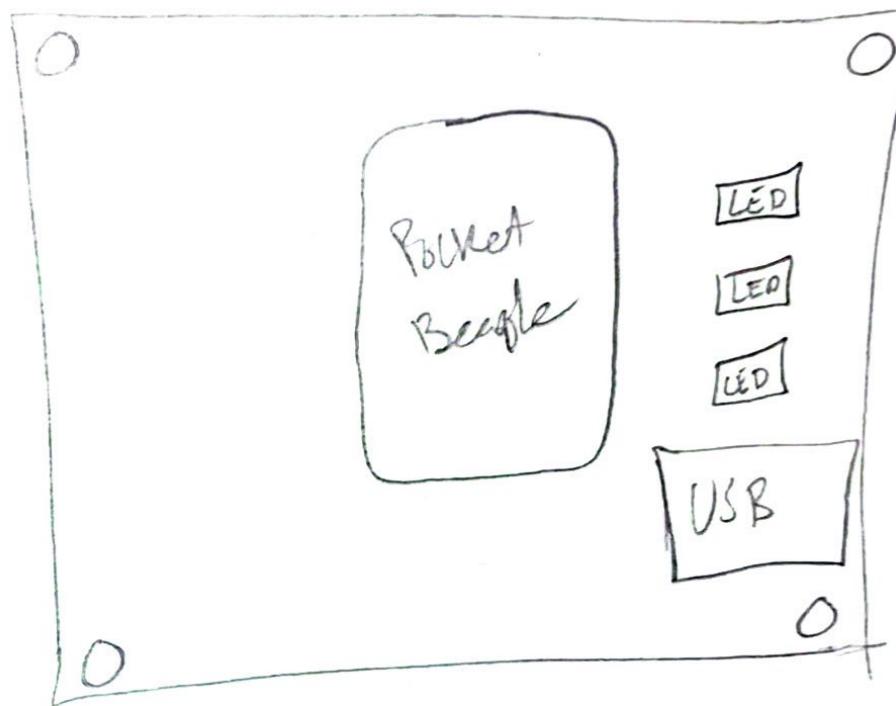
System Block Diagram – “Etch-a-Sketch”



Mechanical Drawing



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Front