



BOEING JET YOKE + ALTITUDE INDICATOR

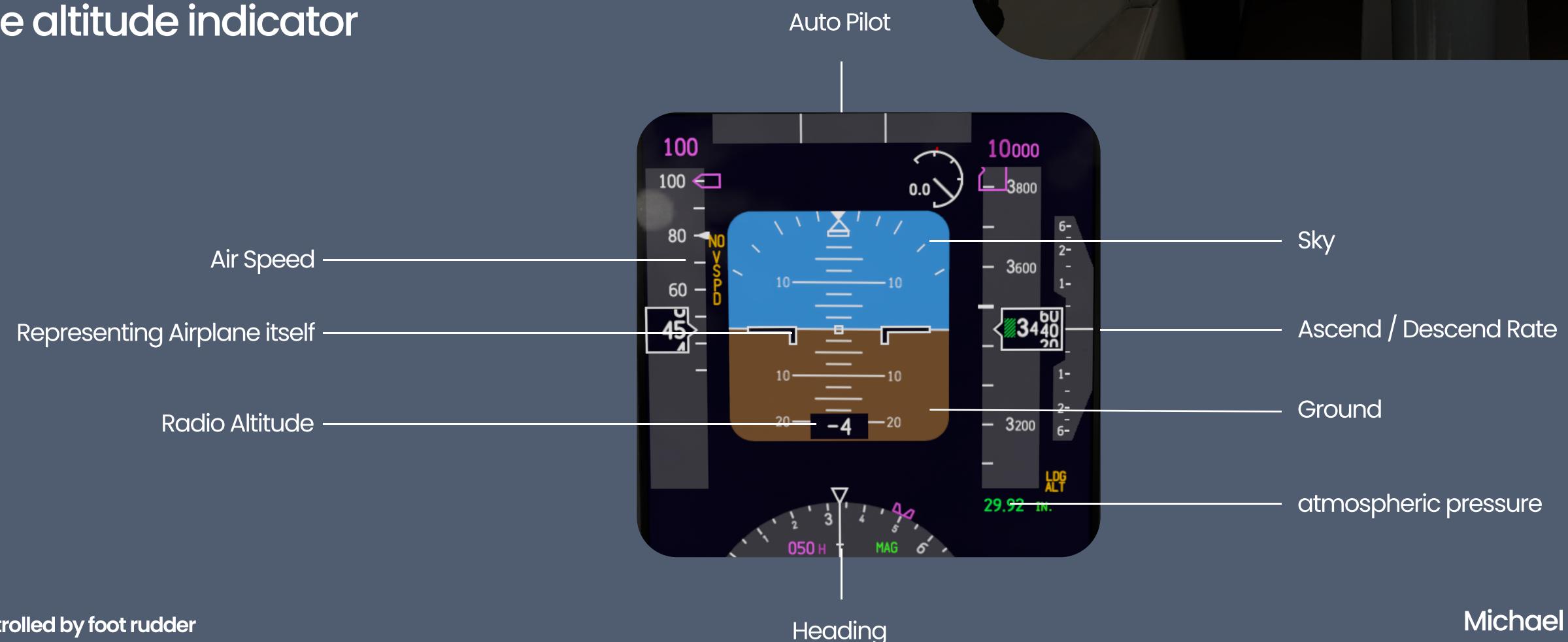
Assignment 2

Initial Thought

I'm a airplane lover, also a flight simulator game player. The first time when I saw atom matrix and its pixel screen, the first impression was: it really looks like a altitude indicator for an commercial jet!

By Creating an actual yoke that is used by a boeing plane, combining the atom matrix with its wonderful pixel screen and the motion sensor, I was planning to make a yoke that can mimic basic airplane movements (Pitch and Roll)

What is inside altitude indicator



Inputs

Motion Sensor

Button Pin

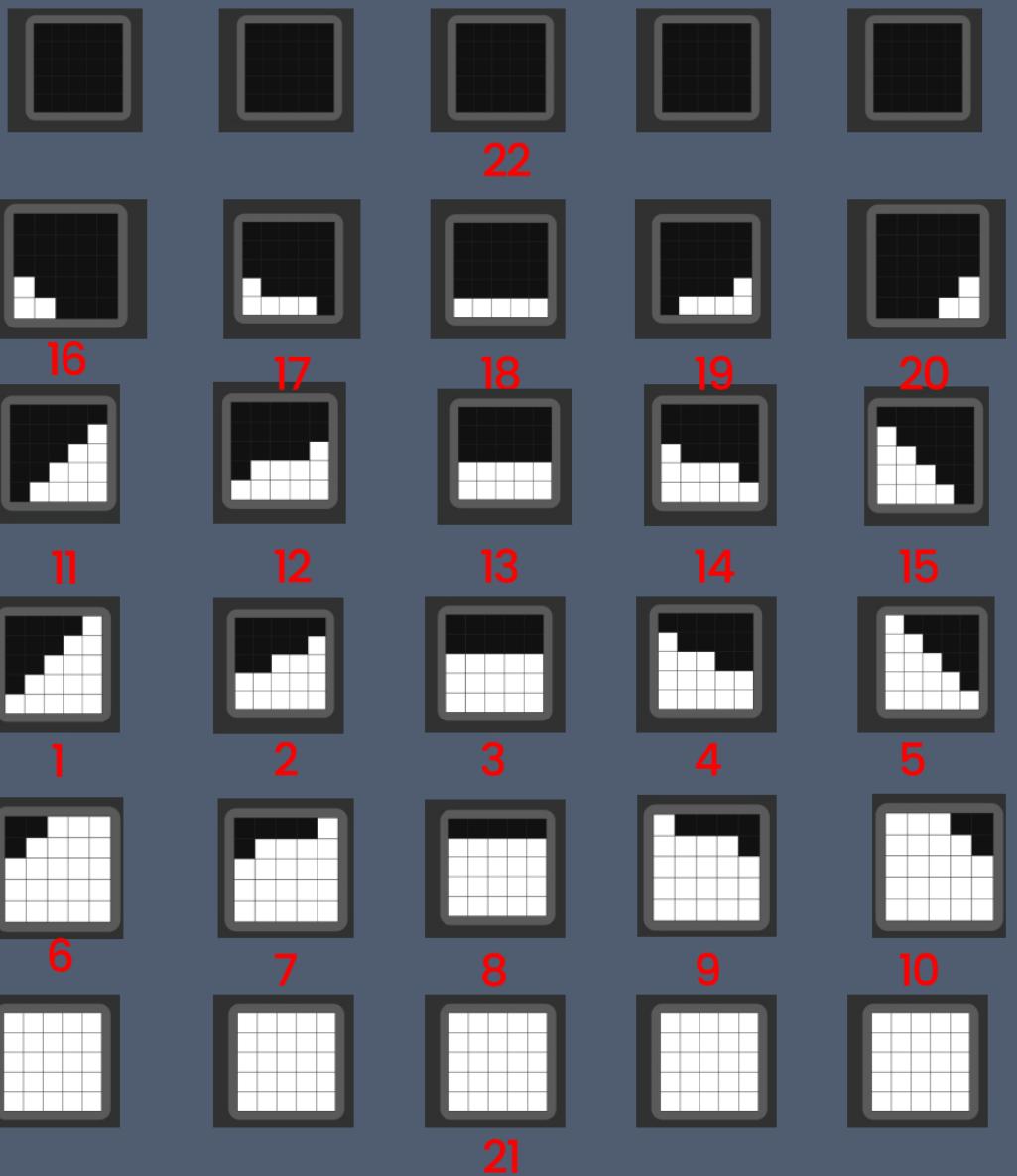
Controls

Pitch and Roll

Engine on / Off

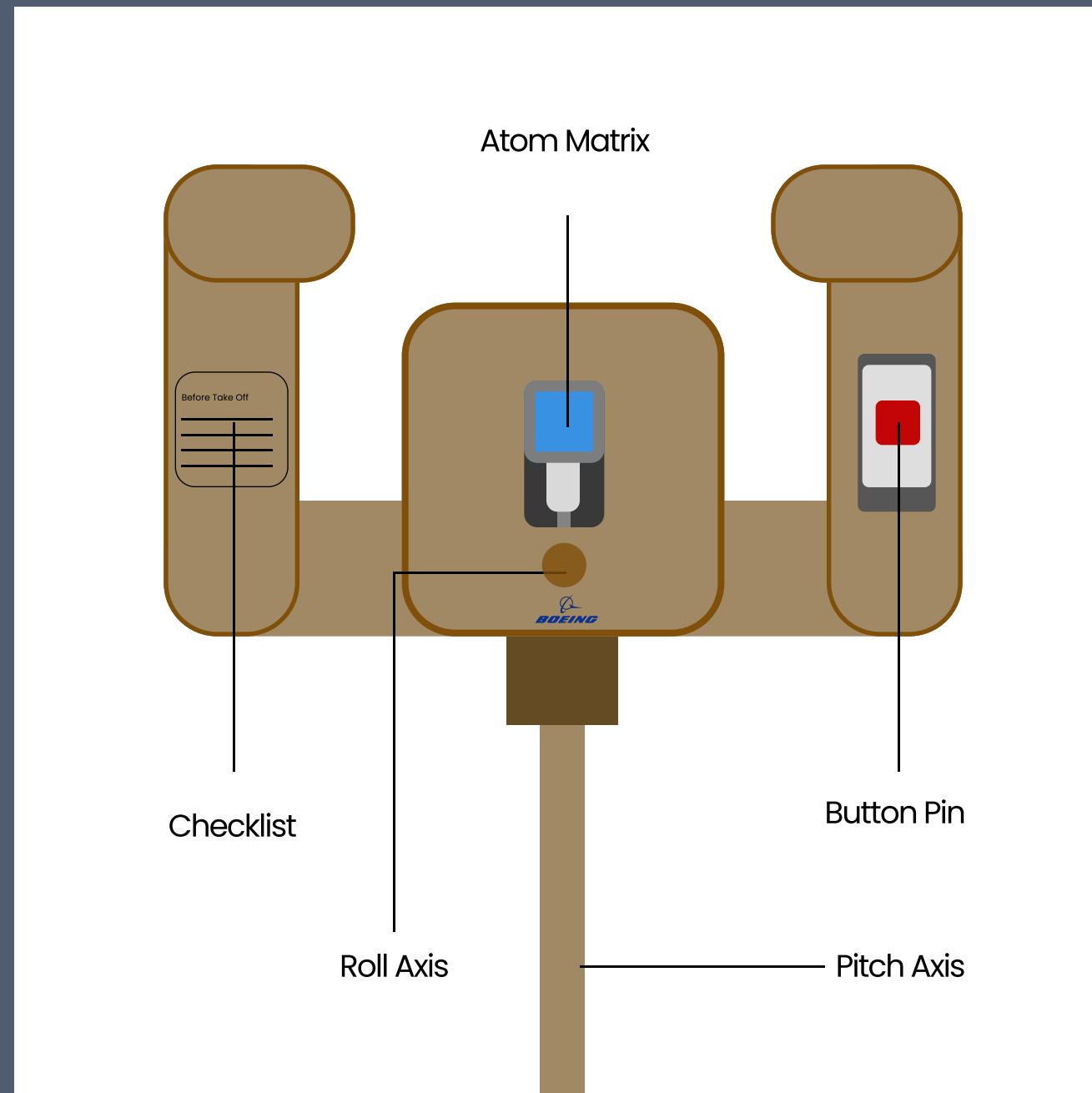
Outputs

Atom Metrix 25-Pixel Display

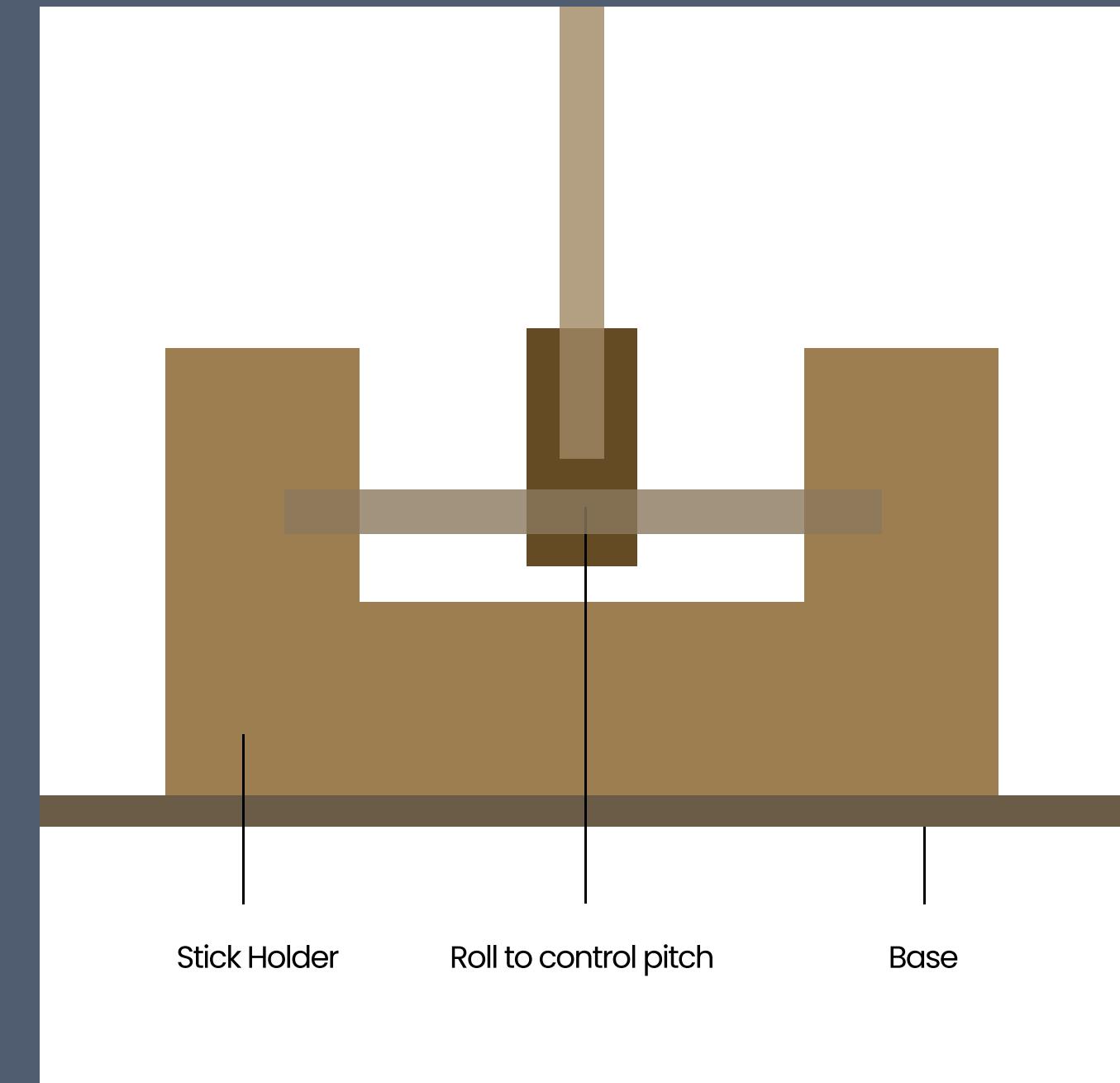


Possible Statement

Sketch

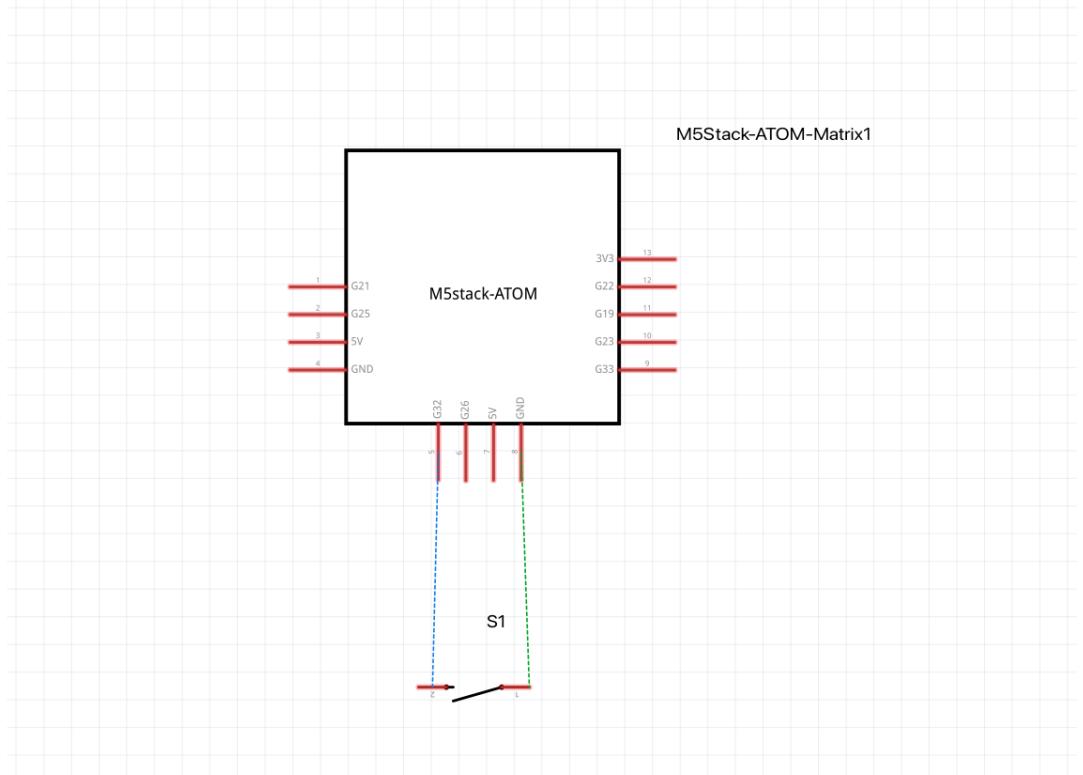


Top Part View

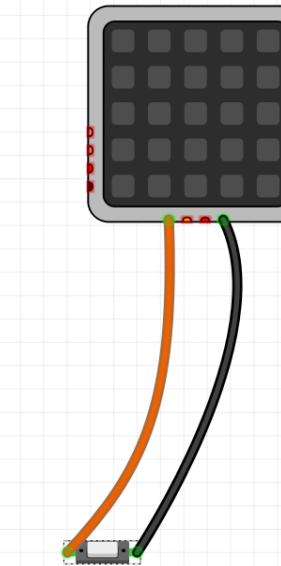


Bottom Part View

Firtzing Connection



Top Part View

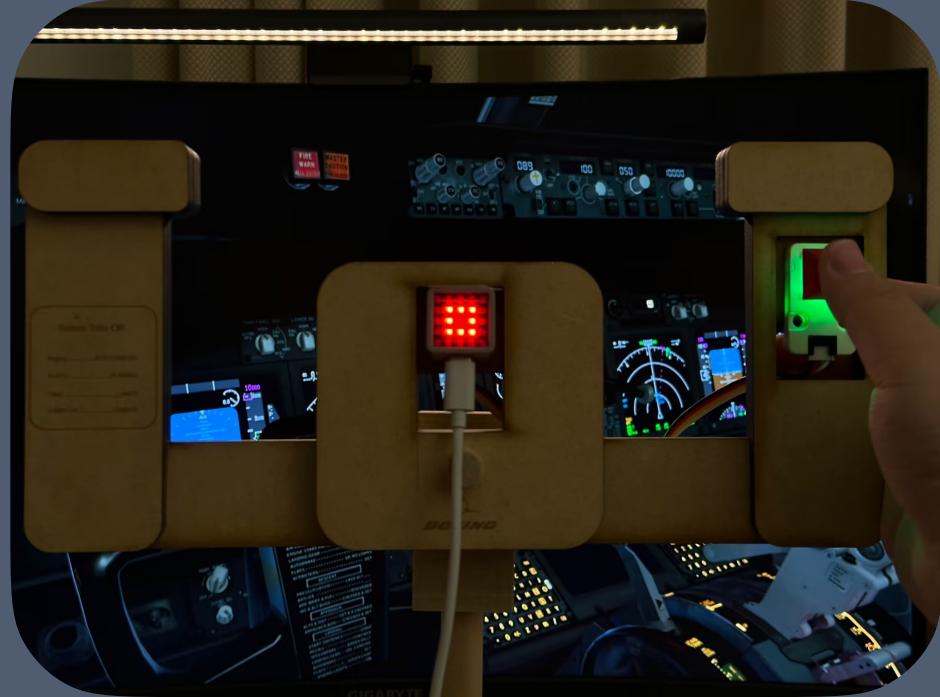


Bottom Part View

Prototype



Roll to display left/right turns



Click button to start/off



Pitch down to display descend



Bottom view



When not climbing / descending



Pitch up to display climbing

Michael Tu | Adv Prototype