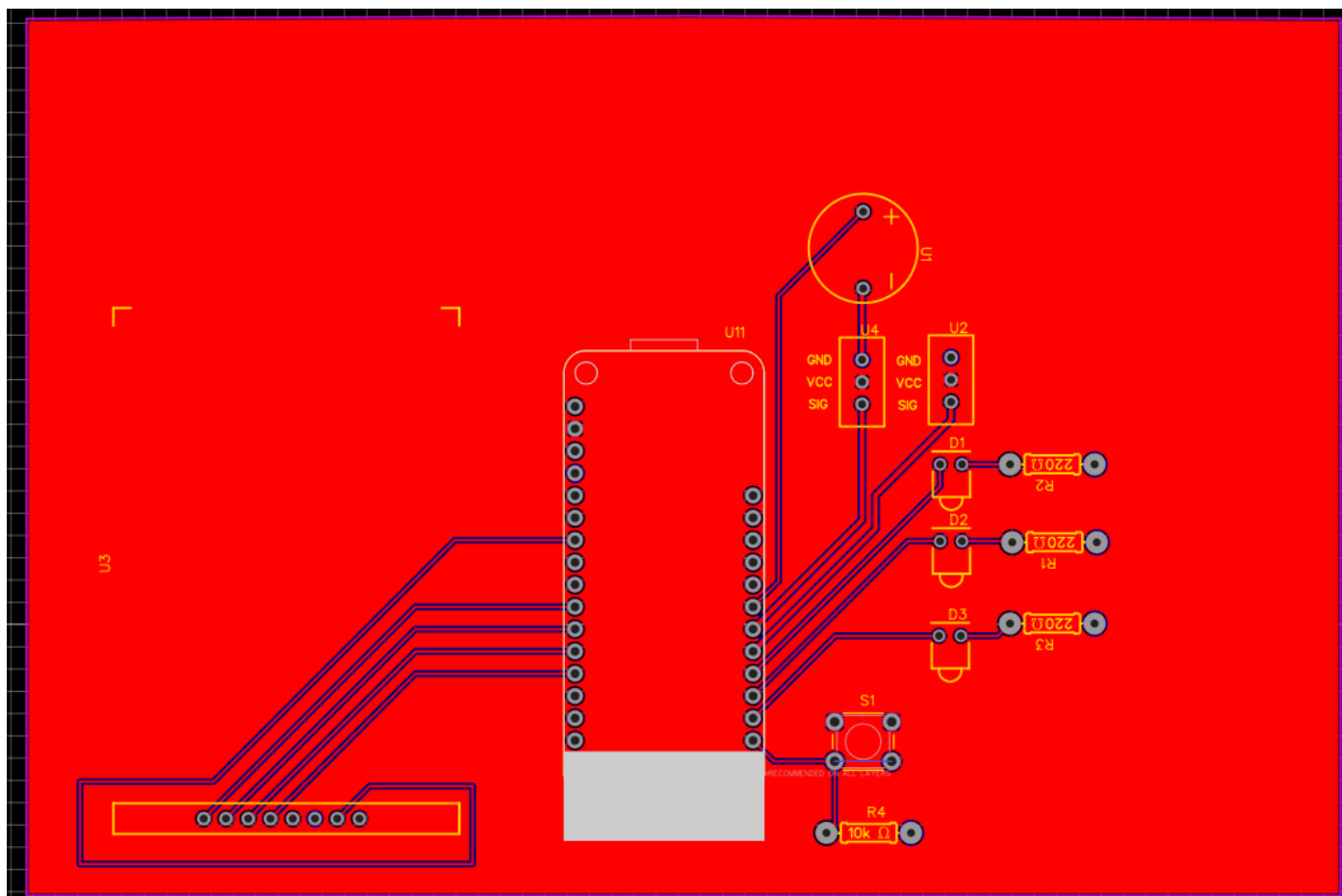
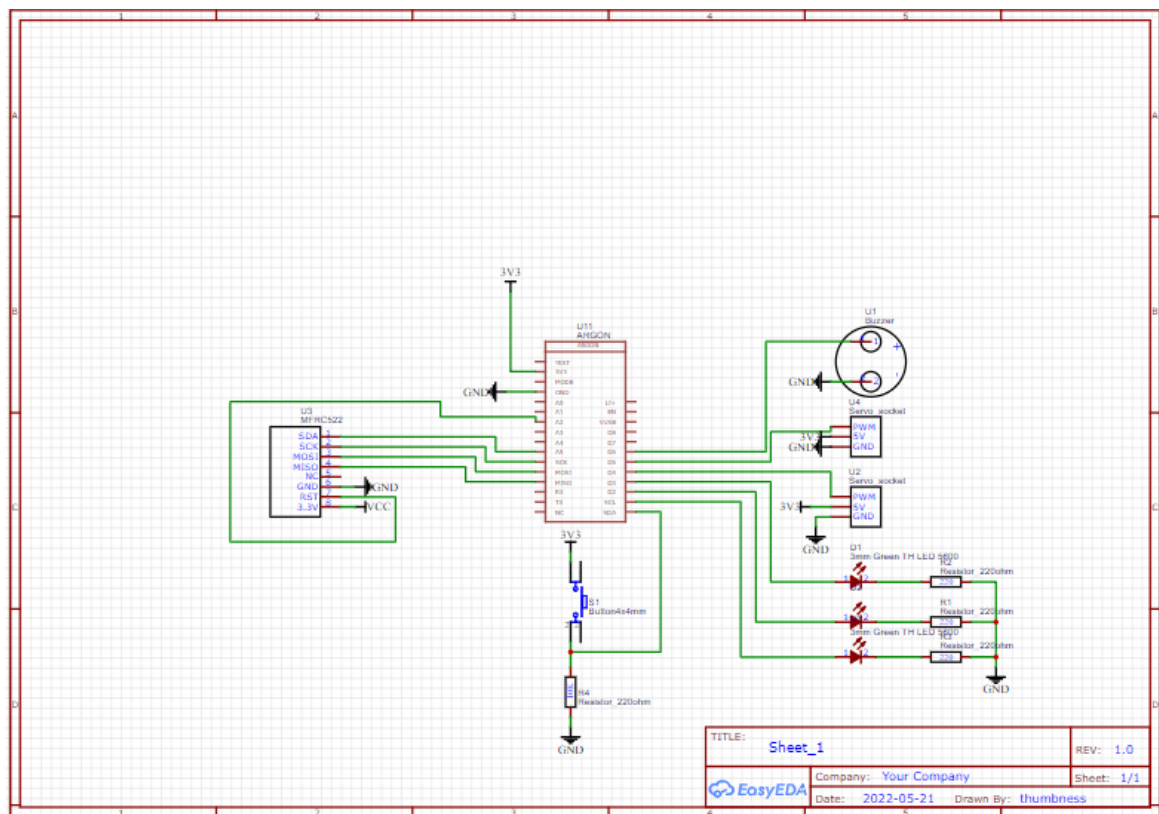


# SIT210 - Safe Pet System – Thomas Morgan – Schematics and PCB designs.

## Pet Feeder:



The schematic illustrates the electrical connections for a microcontroller system. Key components include:

- U11: ATmega88-20PU** - The main microcontroller.
- U3: MCP1822** - A voltage detector/regulator connected to the 3V3 supply.
- U2: Push Button** - Connected to pin PD7 and ground via resistor R4.
- U1: Green TH LED** - Two LEDs connected to output pins (PD6 and PD5) via resistors R1 and R2.
- Resistors:** R1 (220ohm), R2 (220ohm), R4 (220ohm).

The power management section shows the 3V3 supply being regulated by U3 before connecting to the microcontroller's VCC and GND pins.

