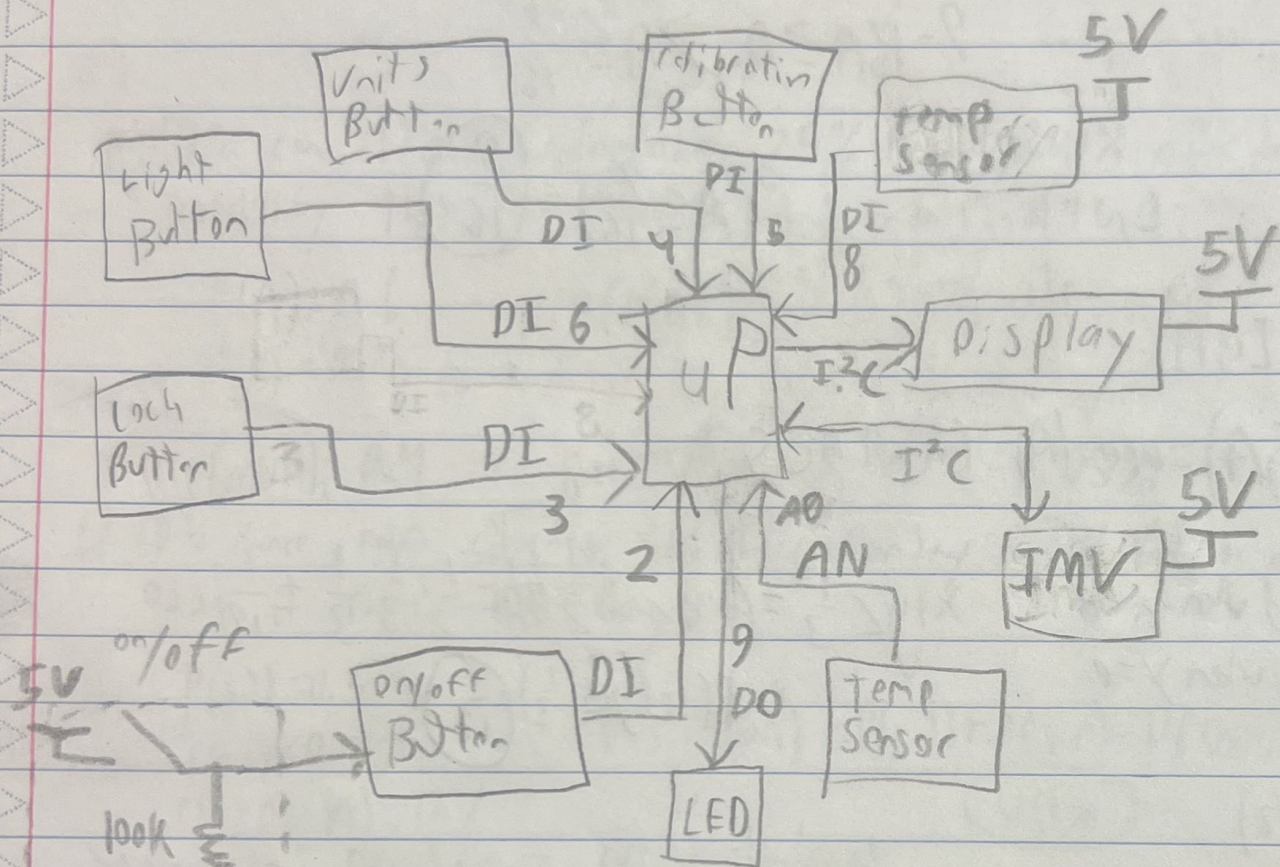
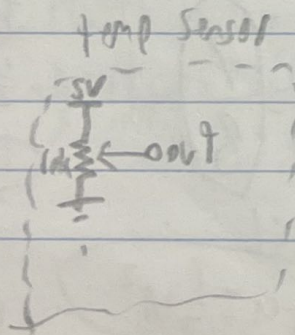


IMV = screen turns



external interrupt 0: On/off
external interrupt 1: Lock



Power ISR()

set power pressed to 1

lock ISR()

set lock pressed to 1

read temperature()

Start

Begin serial communication

Initialize OLED Display

check for temp sensor

set button pins

Initialize MPU

attach interrupts

Interrupt

IF power pressed = on
display & LED off

True

test status display on

Interrupt

IF lock pressed set
unlock delay

True

lock display show lock, raise

IF display status = true
display & LED on

False

format

clear display
set size color & position

power lock

IF display lock = true
display keep value

True

draw unlock

power on

IF display status = true
display off

True

display off

read MPU

Rotate display

True

IF ax = negative
display to default

False

IF button pin = High
toggle LED

True

IF temp pin = High > 3.0V
raise temp site

True

raise temp site

False

read temp