Automatic Door Opener Setup

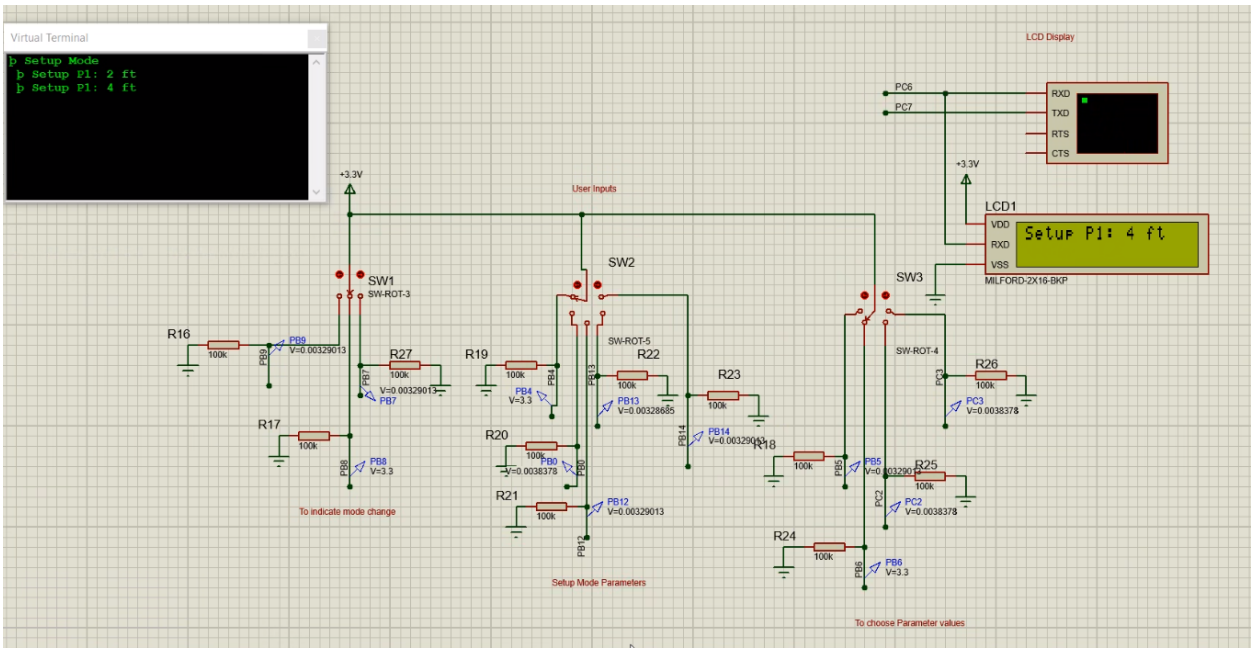

Figure 1: LCD Displaying proving that parameter value of P1 is set from 2ft to 4ft

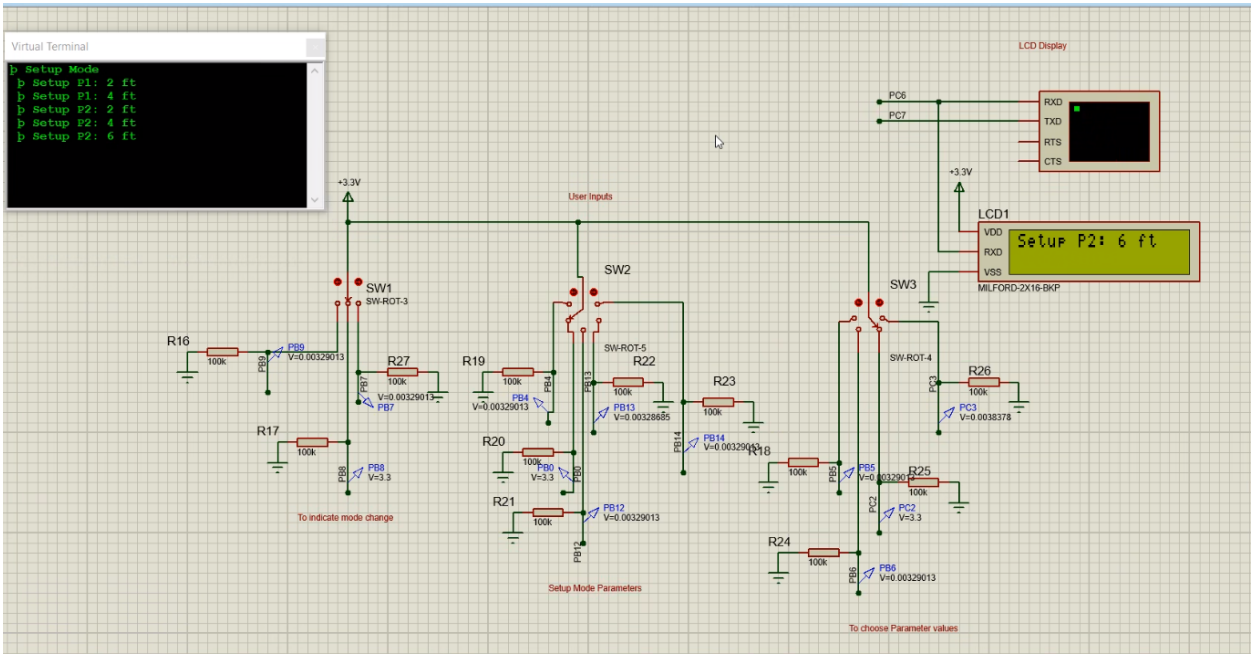

Figure 2: LCD Displaying proving that the parameter value of P2 has changed from 2ft to 6ft

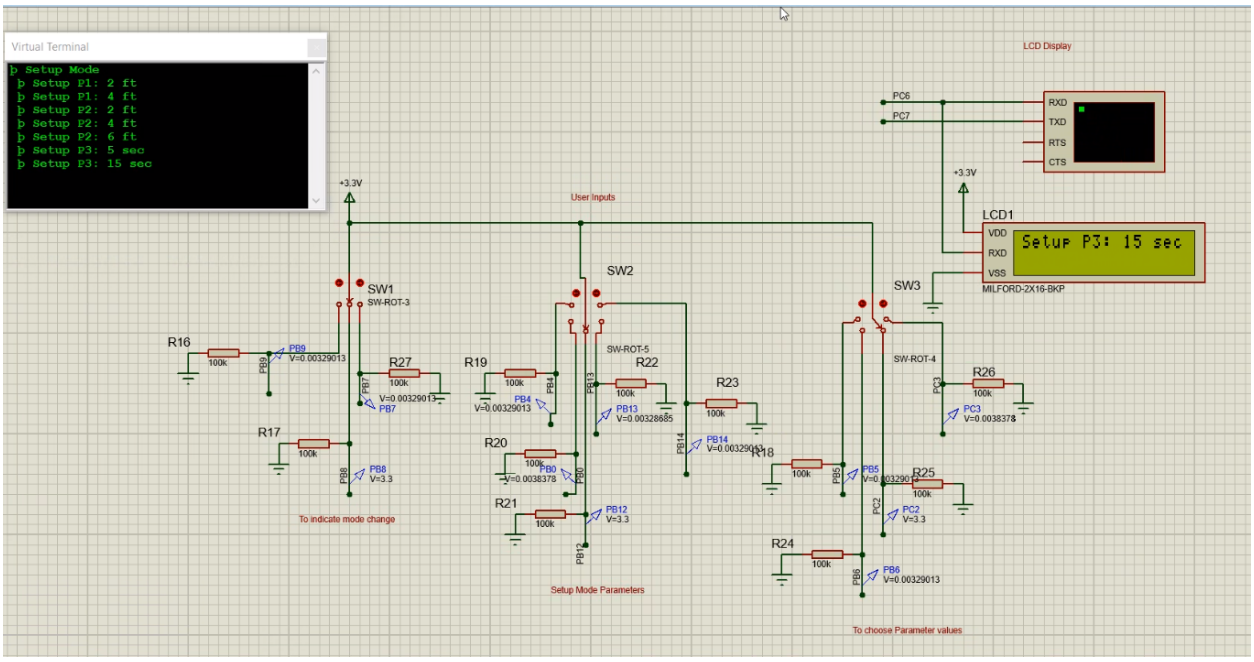

Figure 3:LCD Displaying proving that the parameter value of P3 has changed from 5 sec to 15 sec

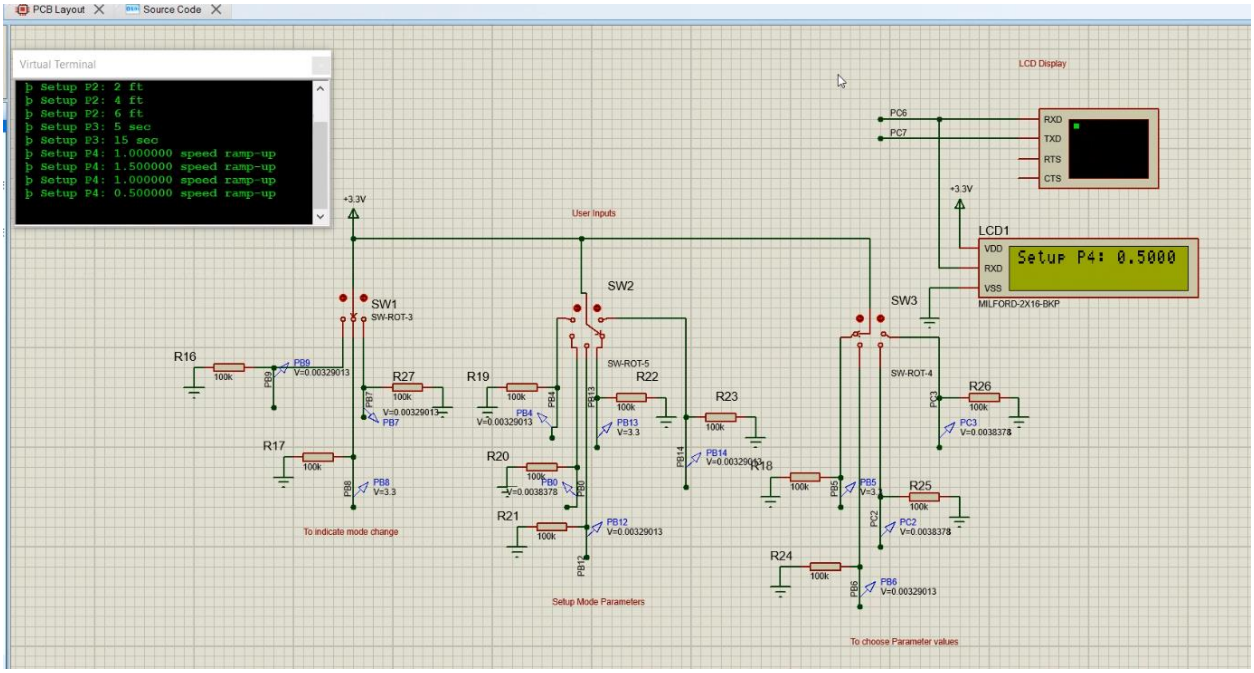

Figure 4: LCD Displaying proving that the parameter value of P4 has changed from 1 speed ramp up to 0.5 speed ramp-up

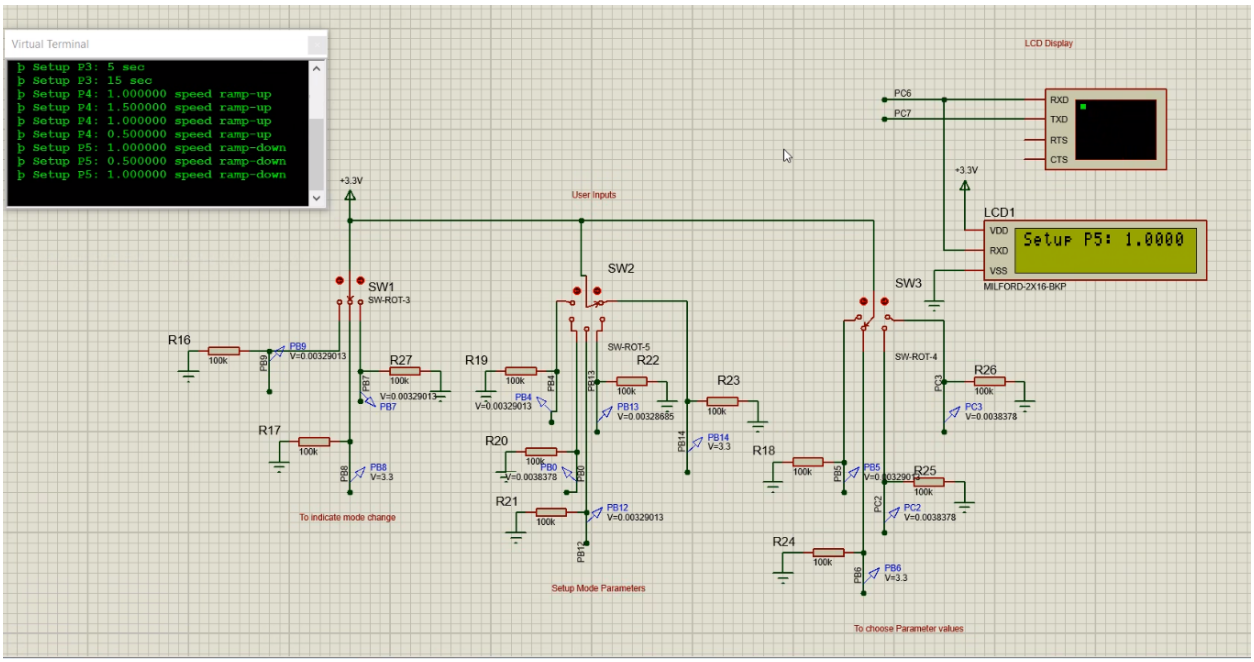

Figure 5:LCD Displaying proving that the parameter value of P5 has been set

Mode: Run Mode

Object: Coming inside at 3 ft

Outputs: Check if Green LED1 lights up, Red LED needs to flash when door in motion

Motor:

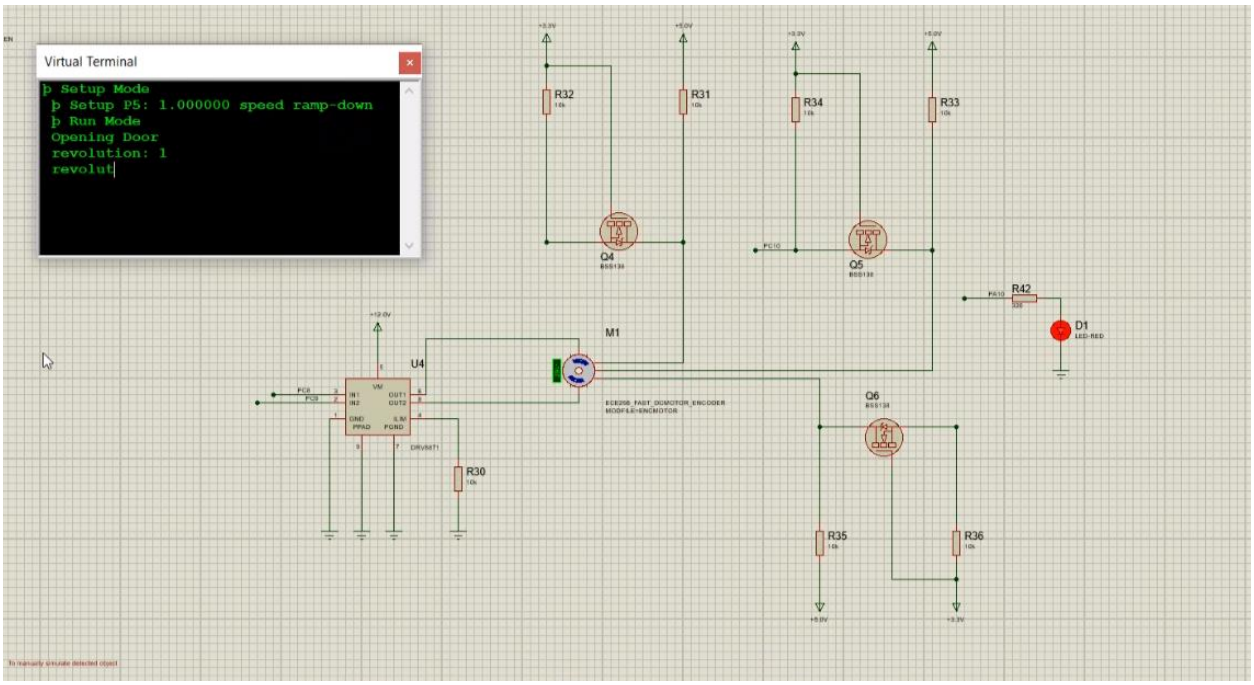

Figure 6: Red LED flashing to show that the door is in motion

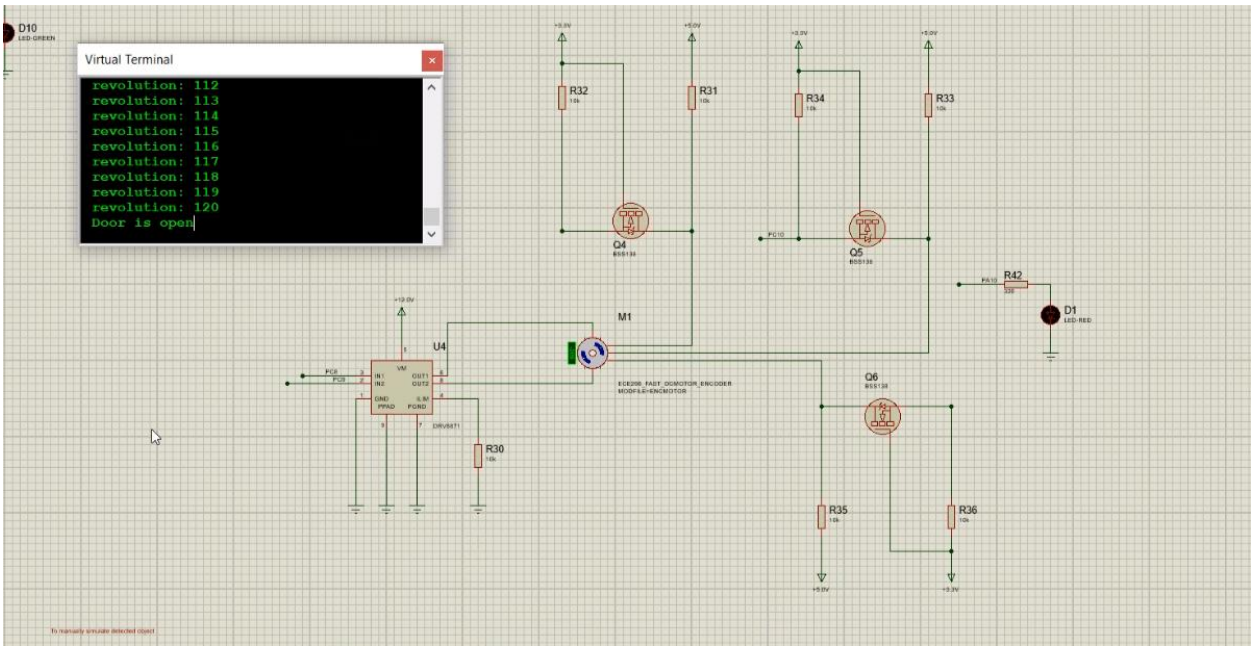

Figure 7: Door opens after 120 revolutions to support the rpm value provided in the manual

Object: Going outside at 5 ft

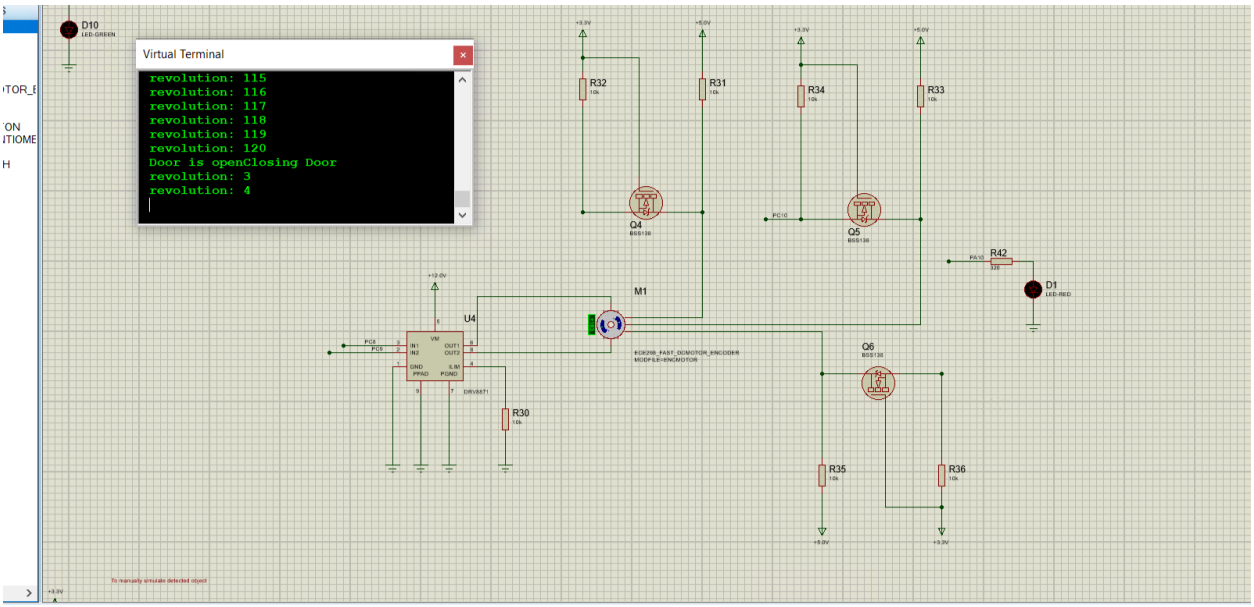

Figure 8: As displayed through the LCD, the door is Closing

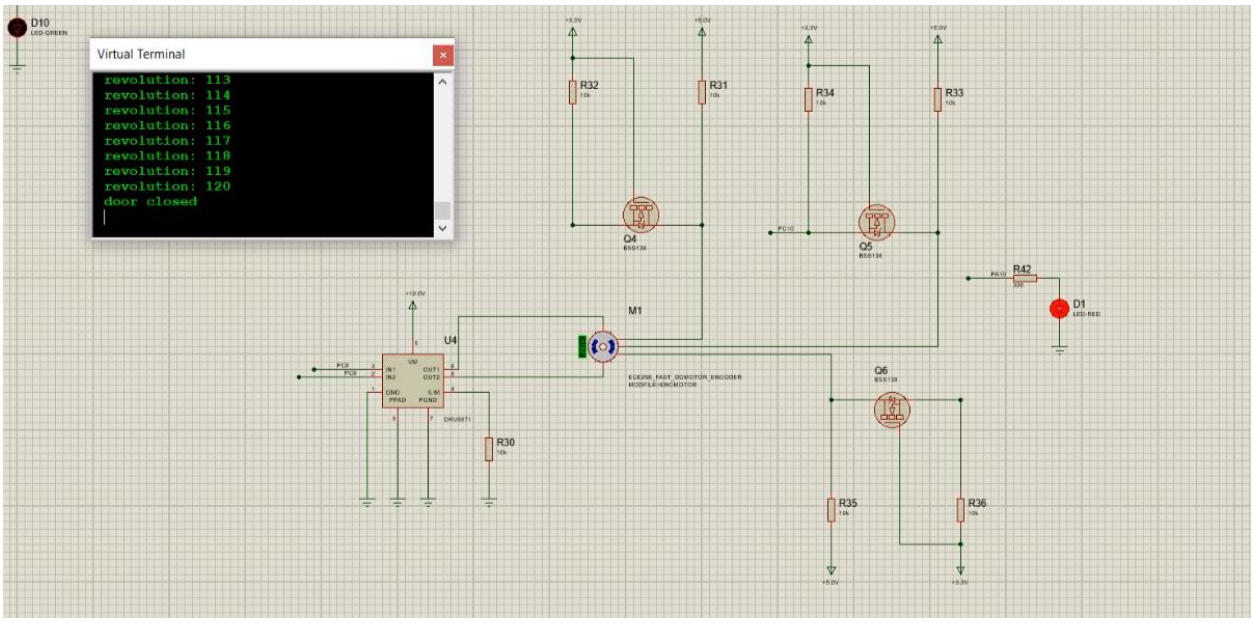

Figure 9: As displayed through the LCD, the door is successfully closed

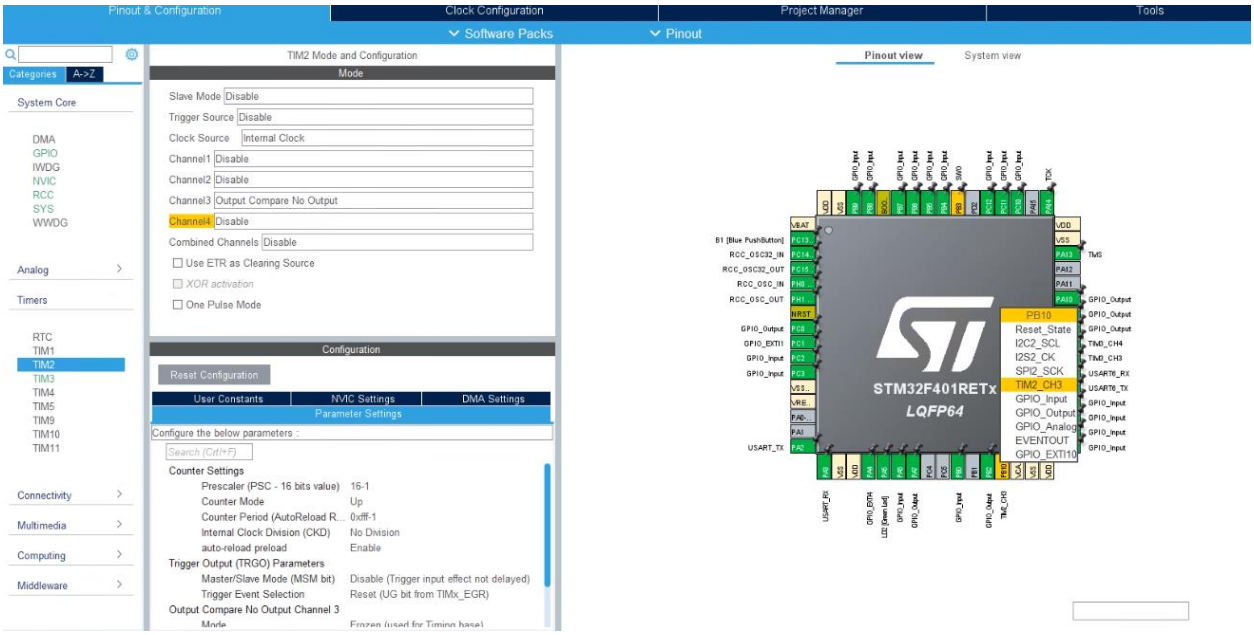

Figure 10: Pin Configuration of our MCU

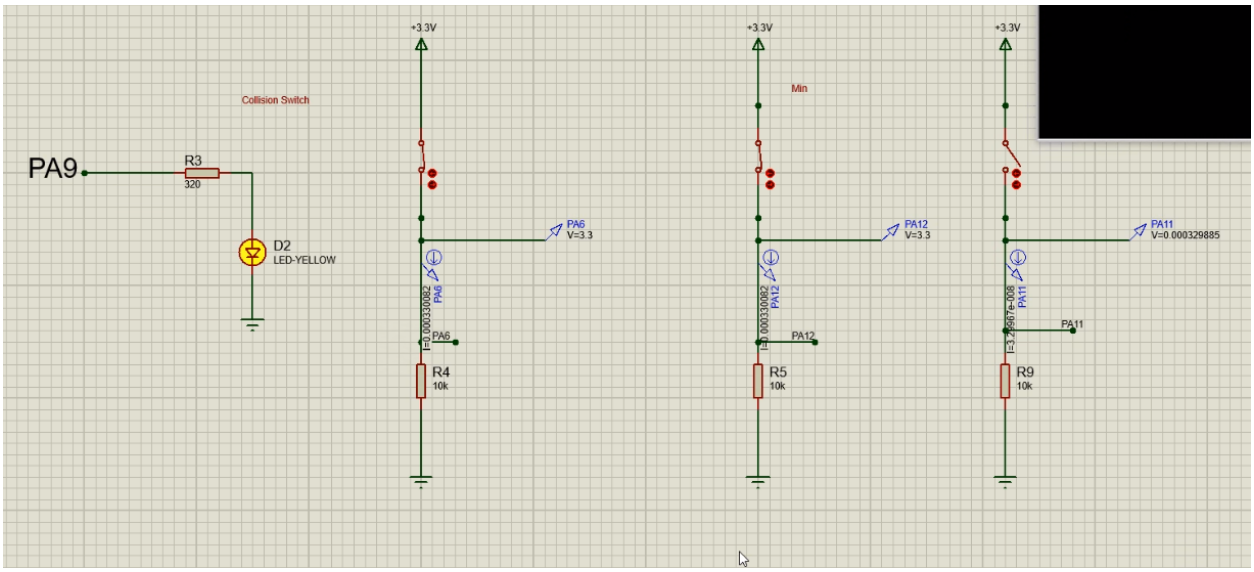

Figure 11: Yellow LED Lights up as expected when the Collision Switch is closed