

POTENTIAL INPUTS

TOGGLE SWITCH



This switch is traditional in looks and works by switching left to right. A simple 'fail safe' switch that could be applied to my design.

LDR



This component could act as a light / dark sensor and be connected to the analogue input of a microcontroller circuit. This could be offered as an option for my design.

THERMISTOR



This thermistor could be connected to the analogue input of a microcontroller circuit, acting as a temperature sensor. This is an option for my circuit design.

MICRO-SWITCH



A miniature micro-switch could be used in my circuit. It could be used as a safety switch, turning off the power if the casing to the circuit is opened.

PRESSURE PAD



Pressure pads are often used as security switches in an alarm circuit. If pressure is applied to the switch, the circuit is activated. This may be a useful feature for my design.

POTENTIAL OUTPUTS

LED



LED outputs will provide adequate light / illumination for my design. They are low voltage which means low power consumption.

BULB



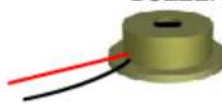
A bulb will offer more light than an LED but uses more power. Bulbs eventually fail and need replacing. I will avoid using bulbs unless they are really necessary.

SPEAKER



A speaker will provide sound for my circuit, if required. I will be able to program my circuit to play a tune through the speaker.

BUZZER



A buzzer will give a single tone, audio output. This could be used as a warning sound or to attract urgent attention.

MOTOR



A motor (solar motor) will provide the output motion I require for my design. Solar motors are low voltage and work well with a range of circuits.

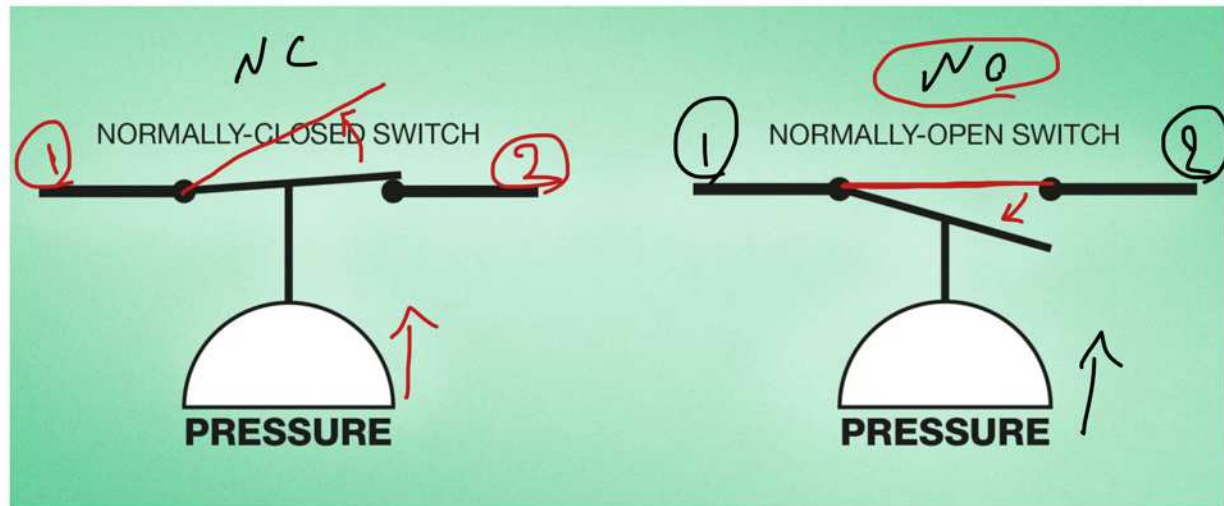
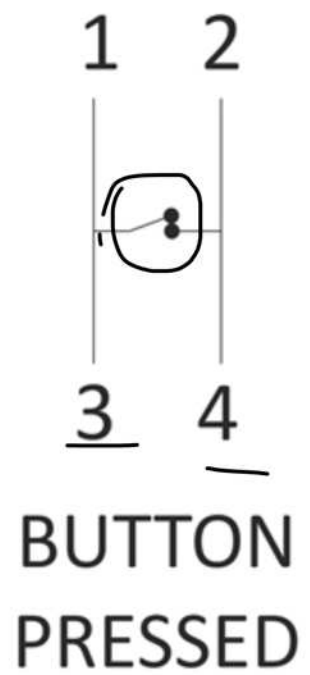
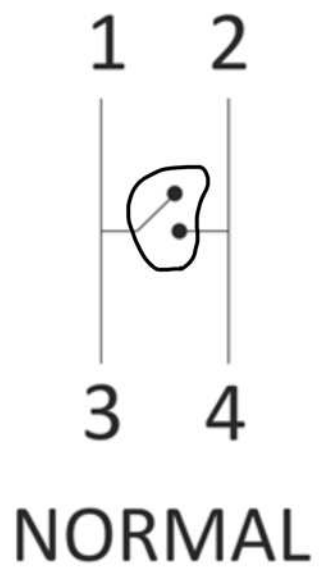
SOLENOID



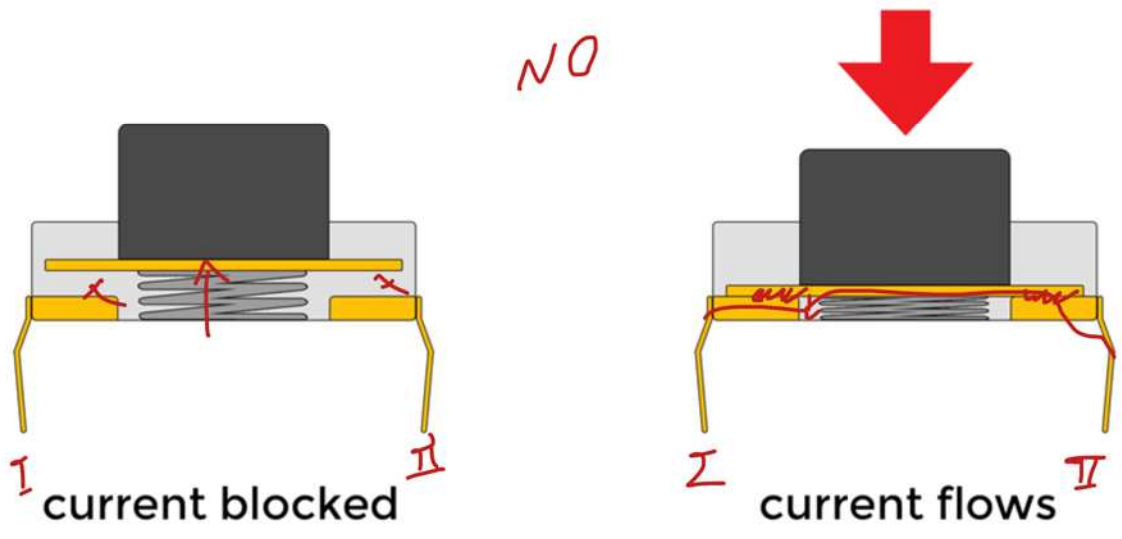
A solenoid will give me the option of forwards and backwards movement. This will be important if my circuit pushes or pulls a lightweight mechanism.

By Vkyan

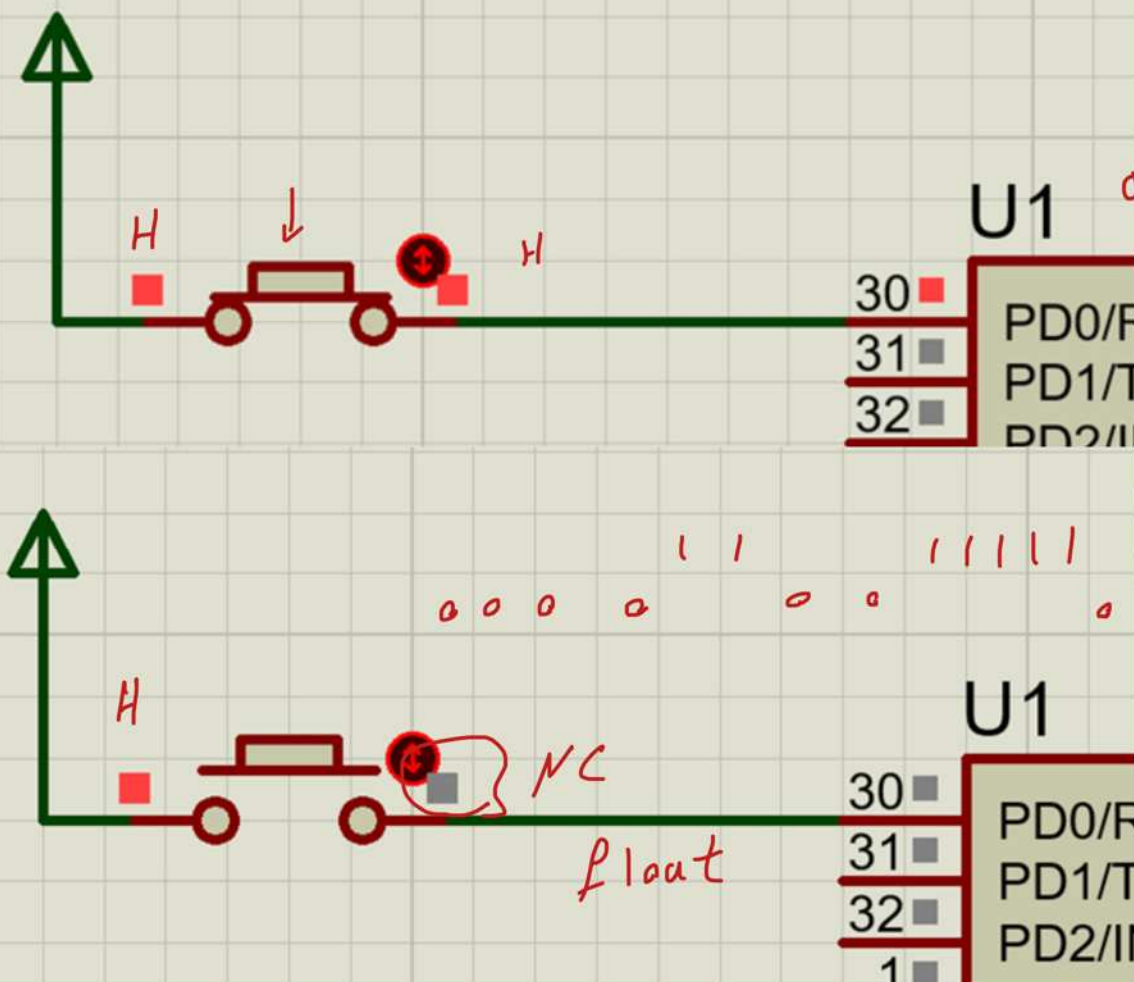
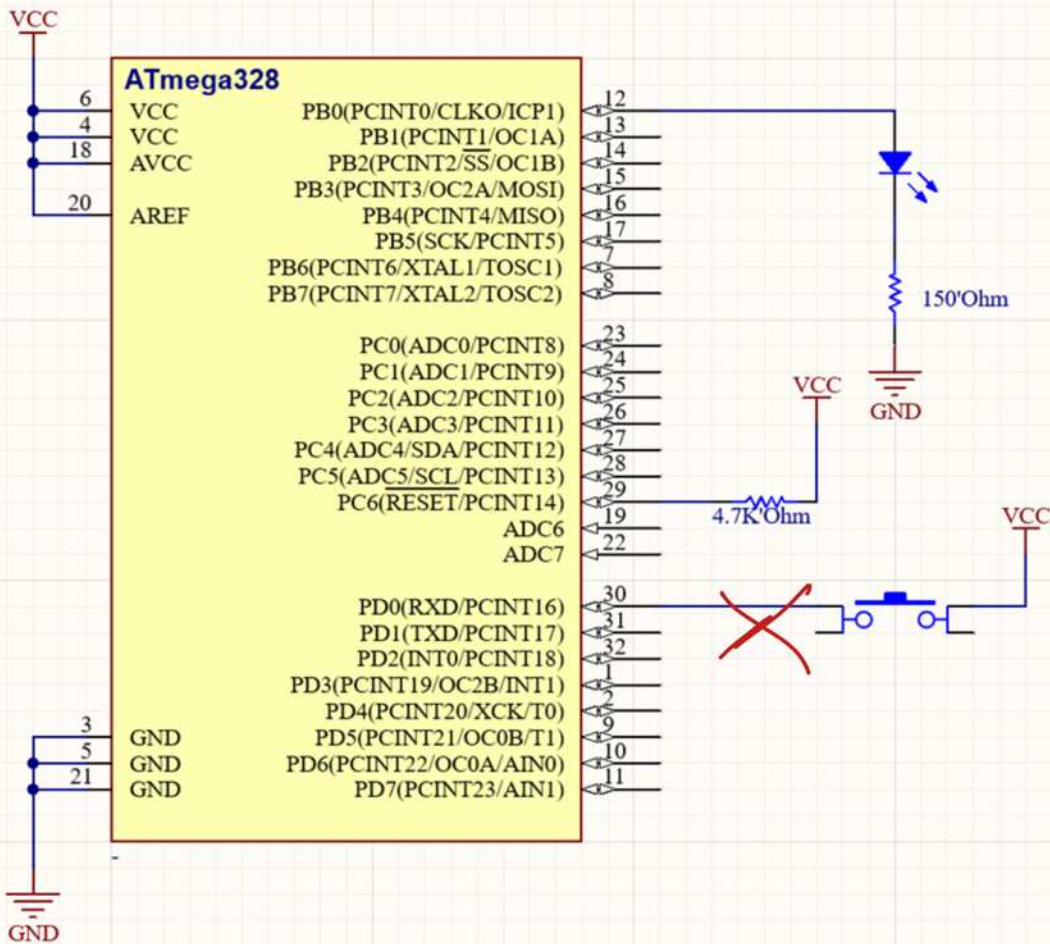


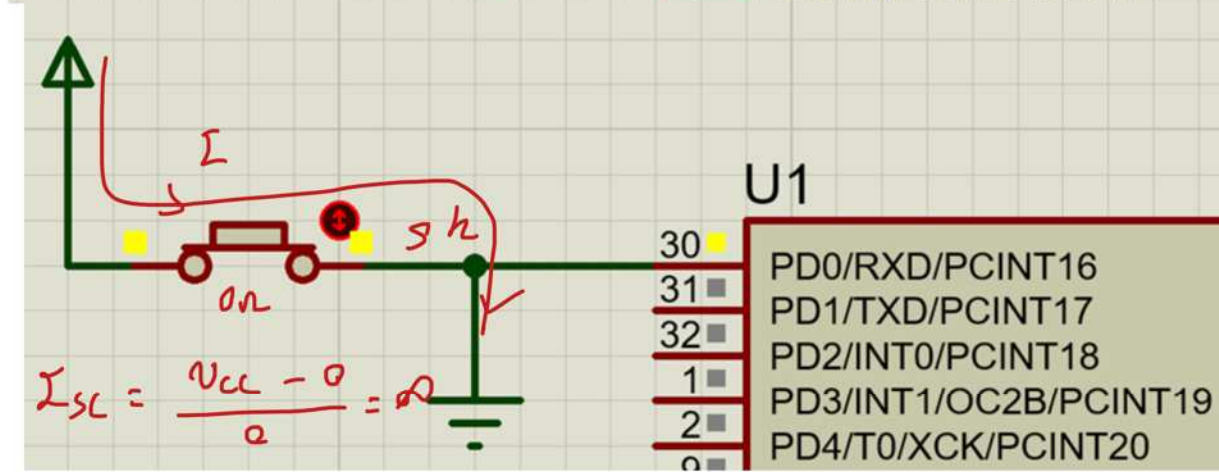
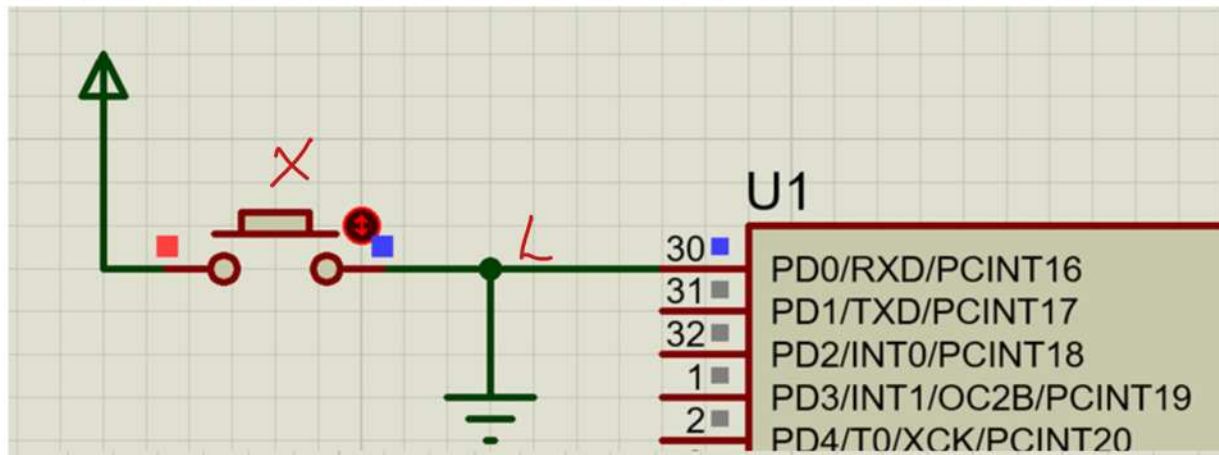
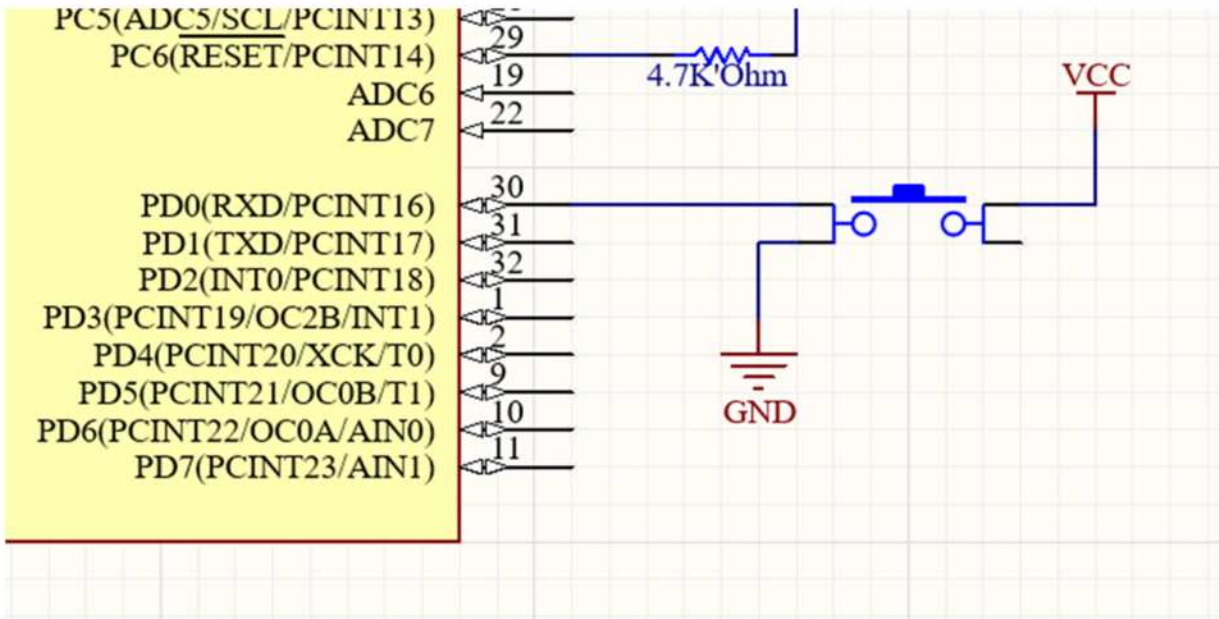


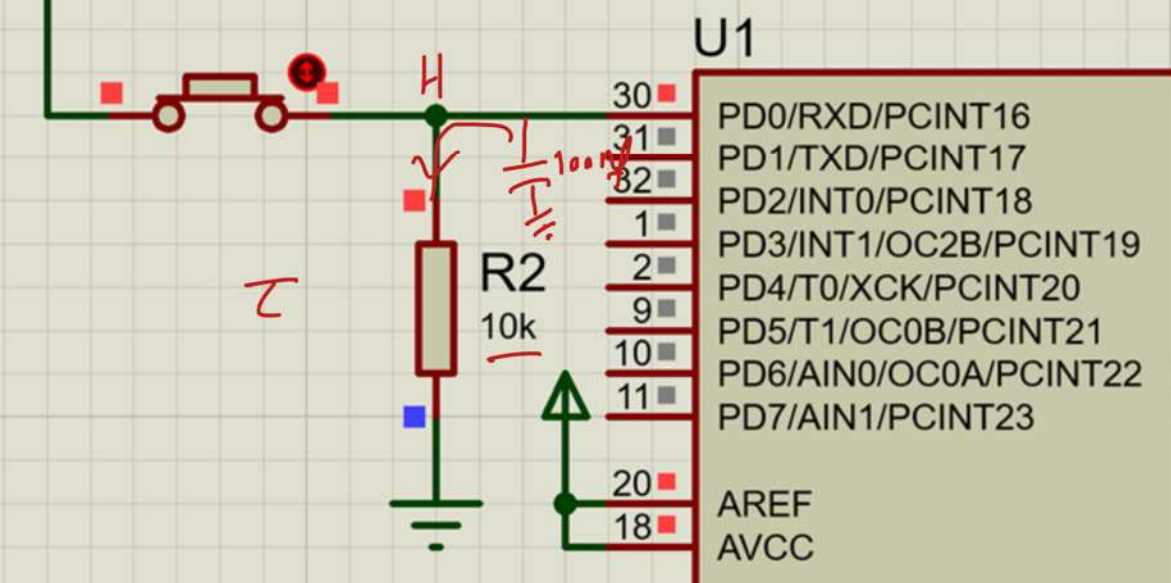
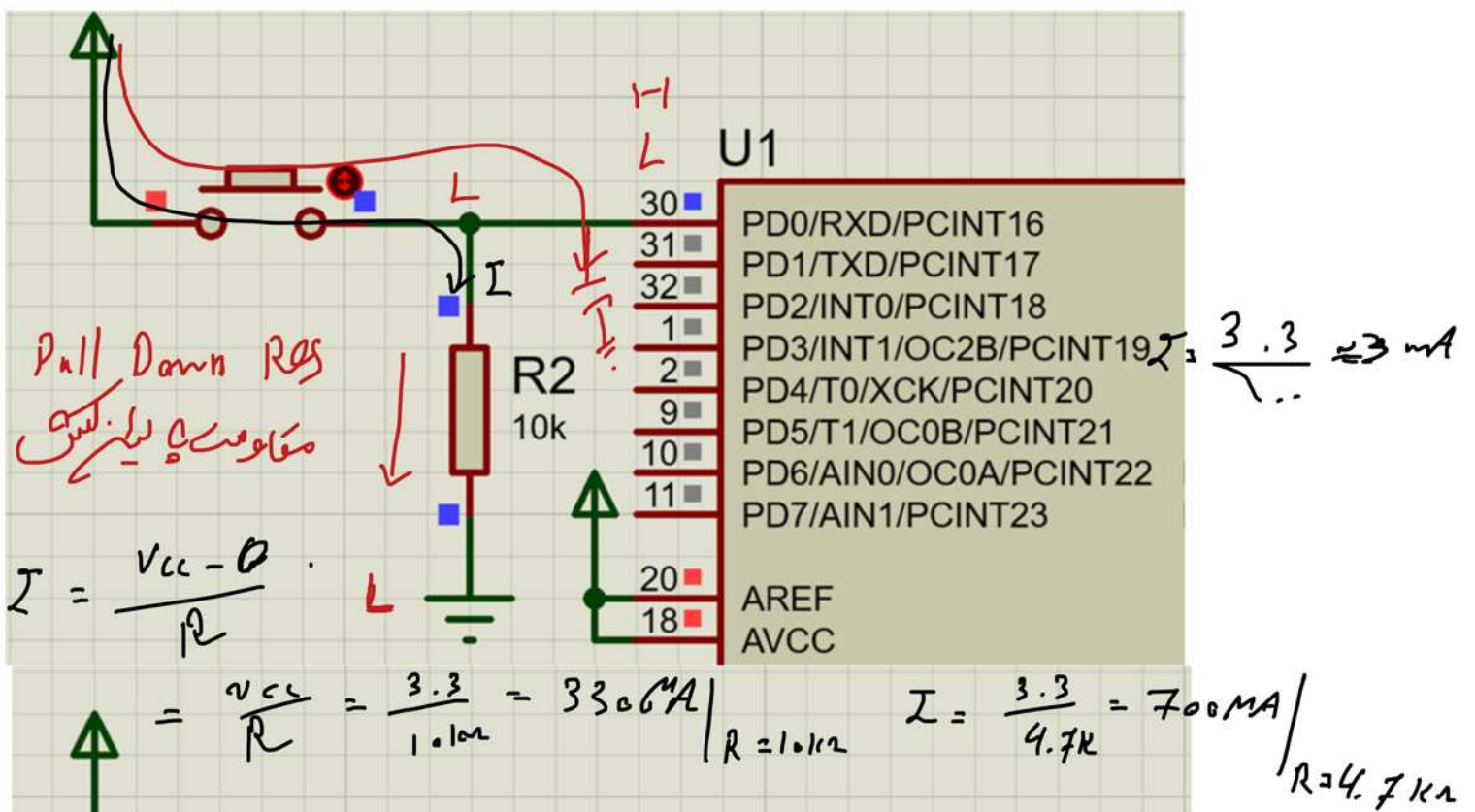
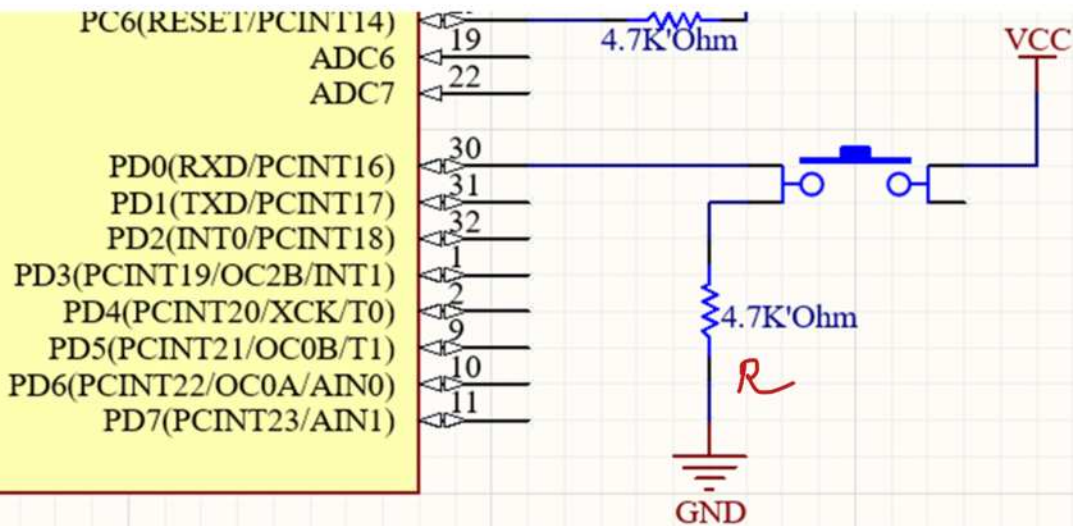
NC
NO

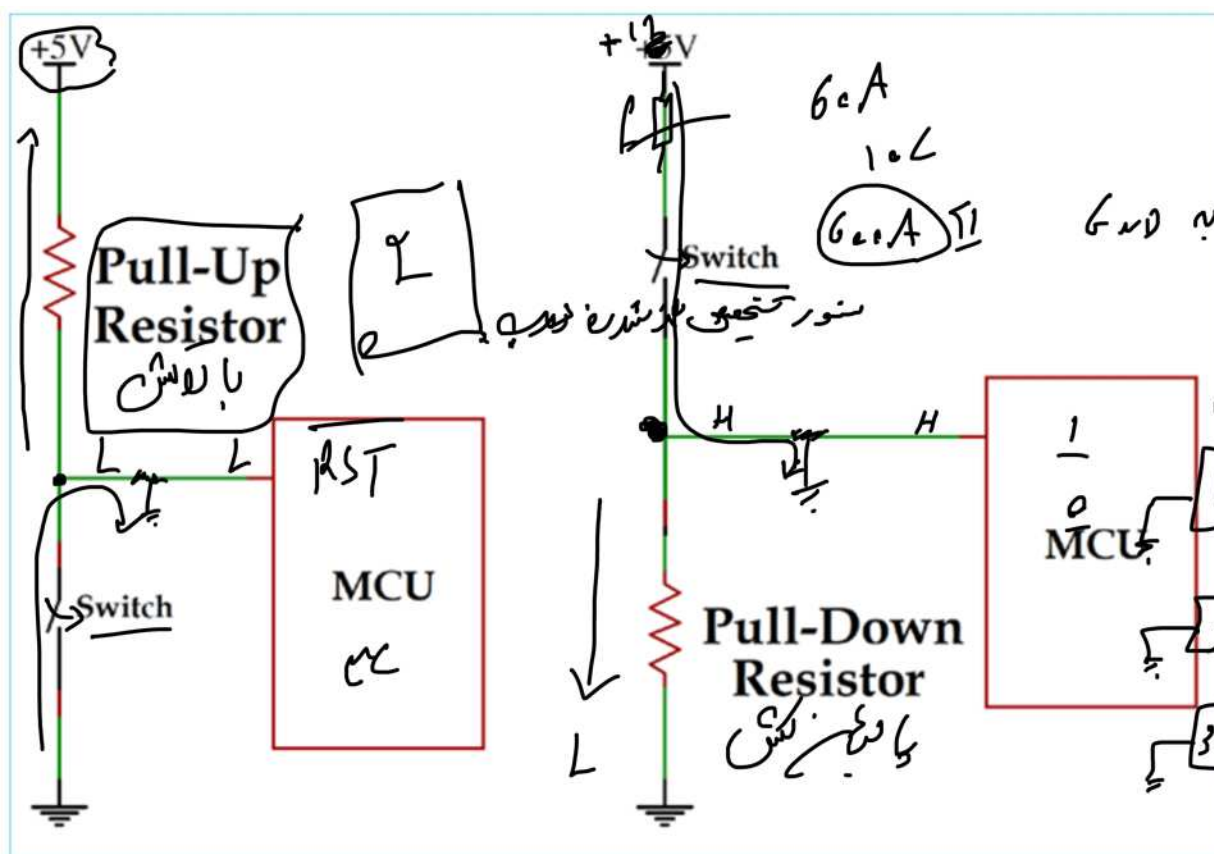


NO

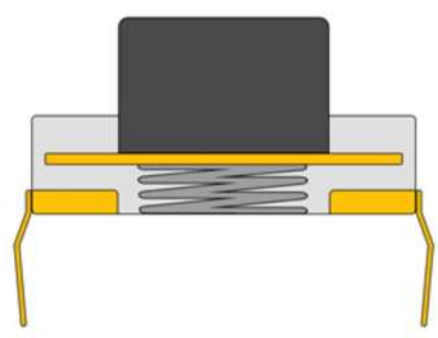
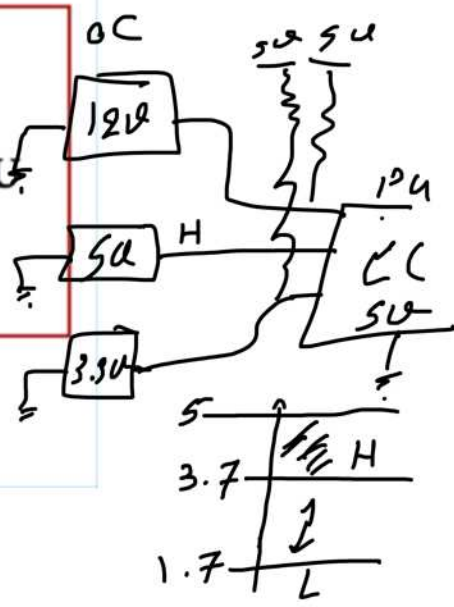




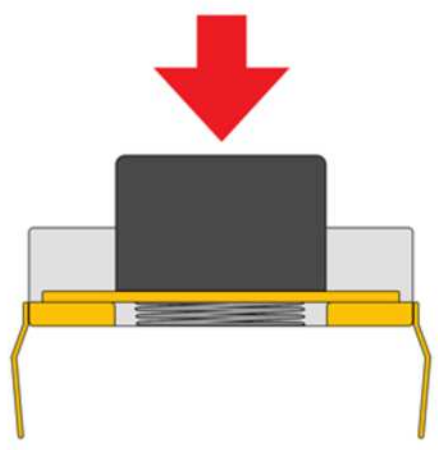




که تیرهای فیزیکی خودرو به 60A
(-) متصل است.



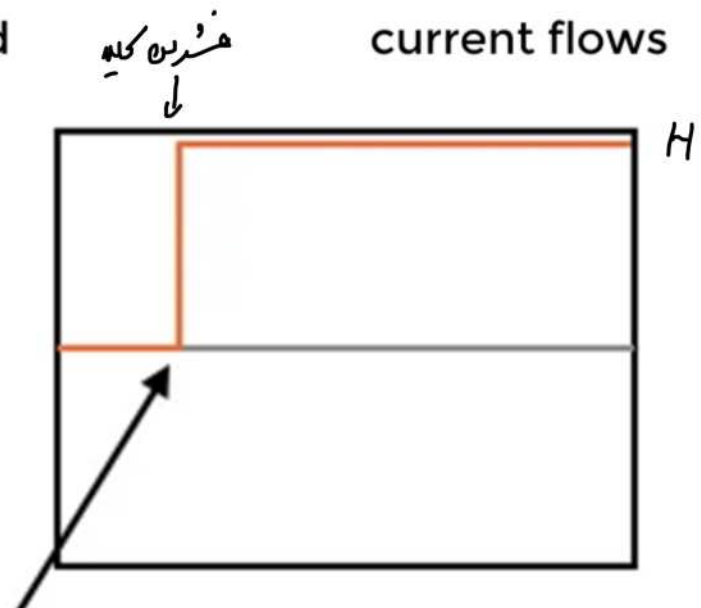
current blocked



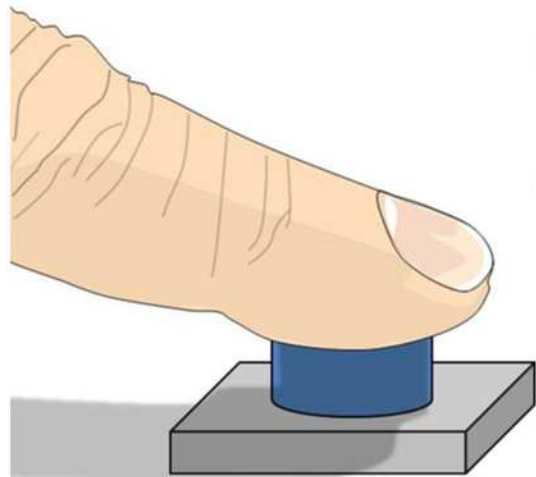
current flows

Bounce

سندش کند



Switch is actuated



SWITCH

