

Smart Maker

Circuits for Examples

Part List



LED



330Ω



10kΩ

Resistor



Push Button



Color LED



Potentiometer



Buzzer



Soft
Potentiometer



Flex Sensor



DC Motor



Diode
(1N4148)



TMP36



Servo Motor

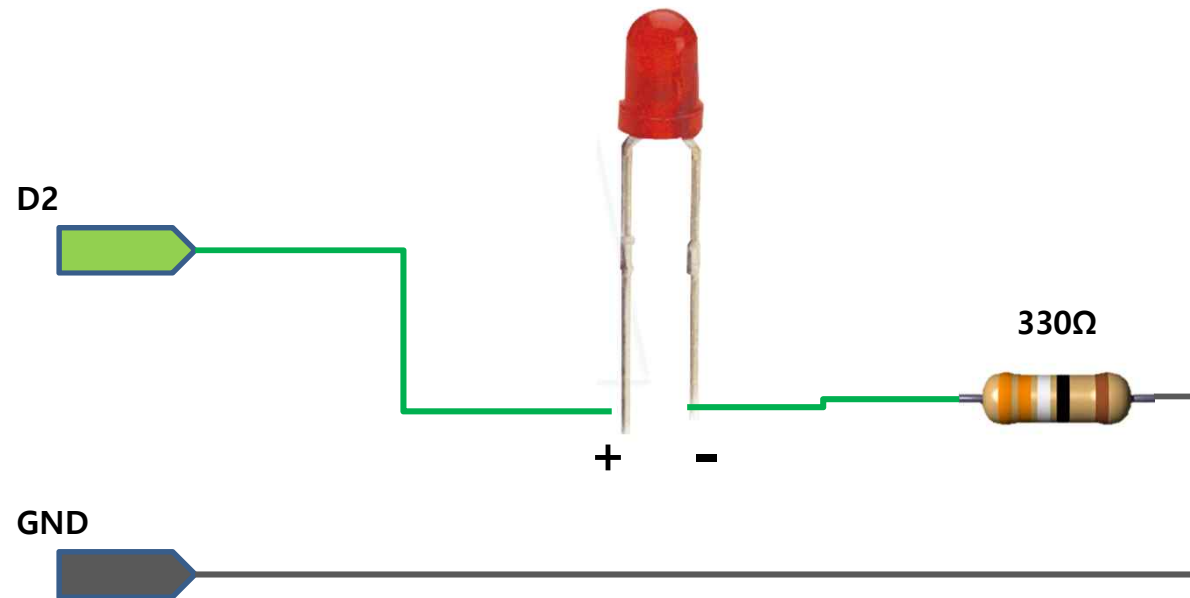


Transistor
(P2N2222AG)



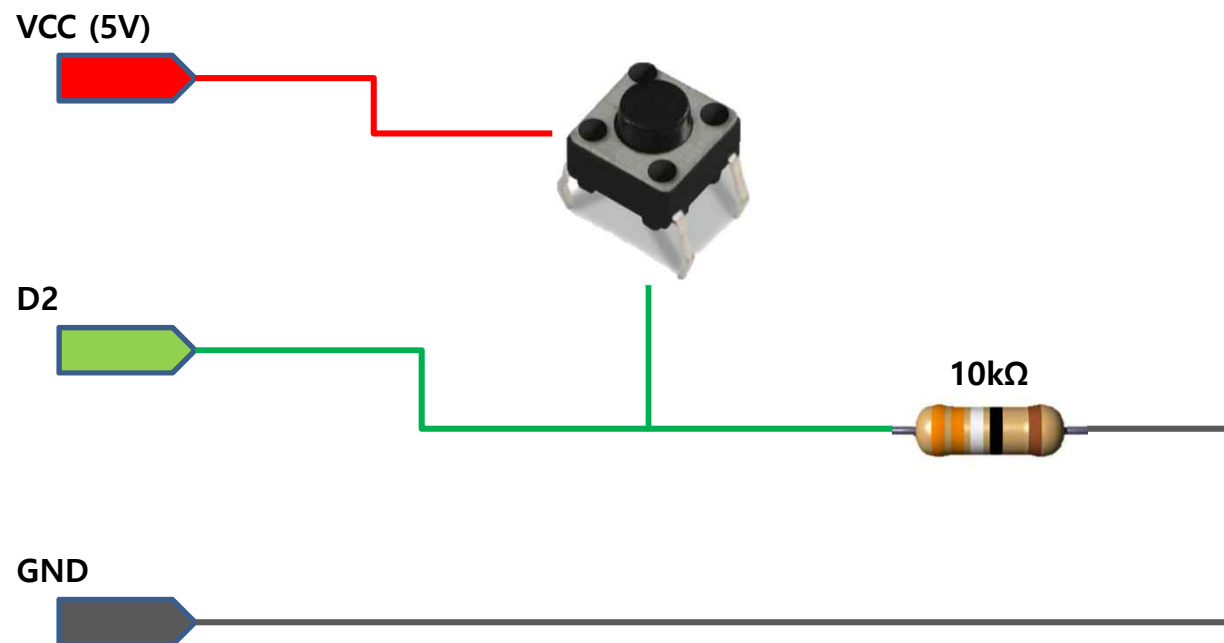
Photo
Resistor

LED Circuit



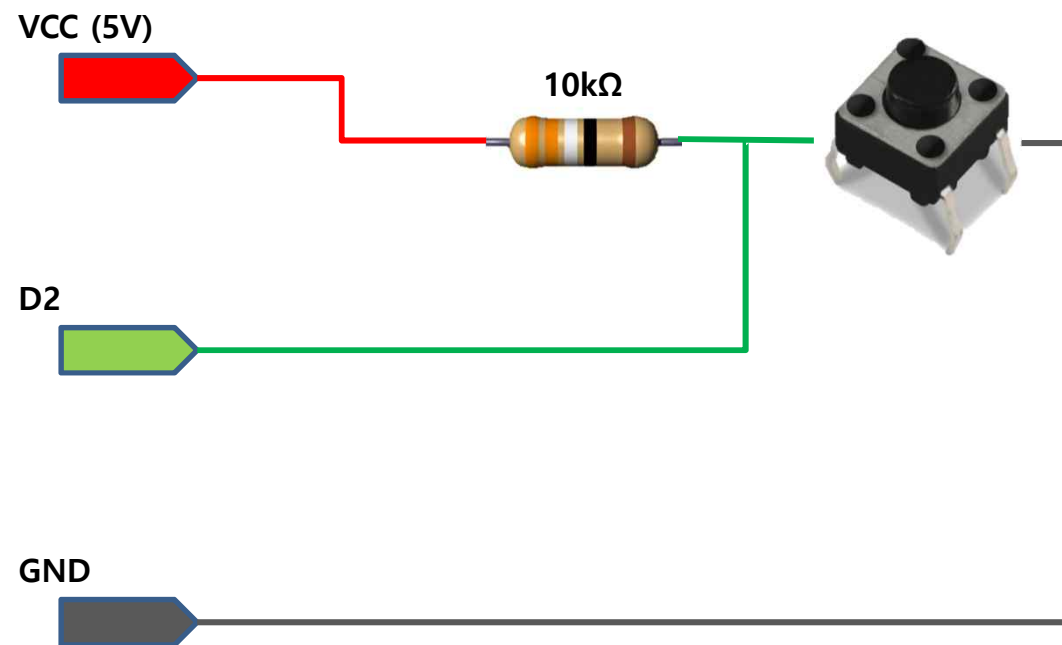
Push Button Circuit

- External Pull-down type
- Press HIGH



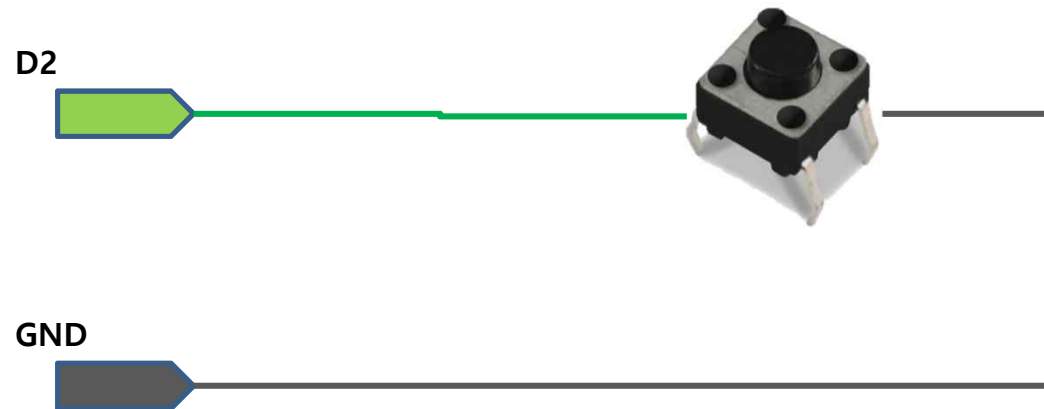
Push Button Circuit

- External Pull-up type
- Press LOW

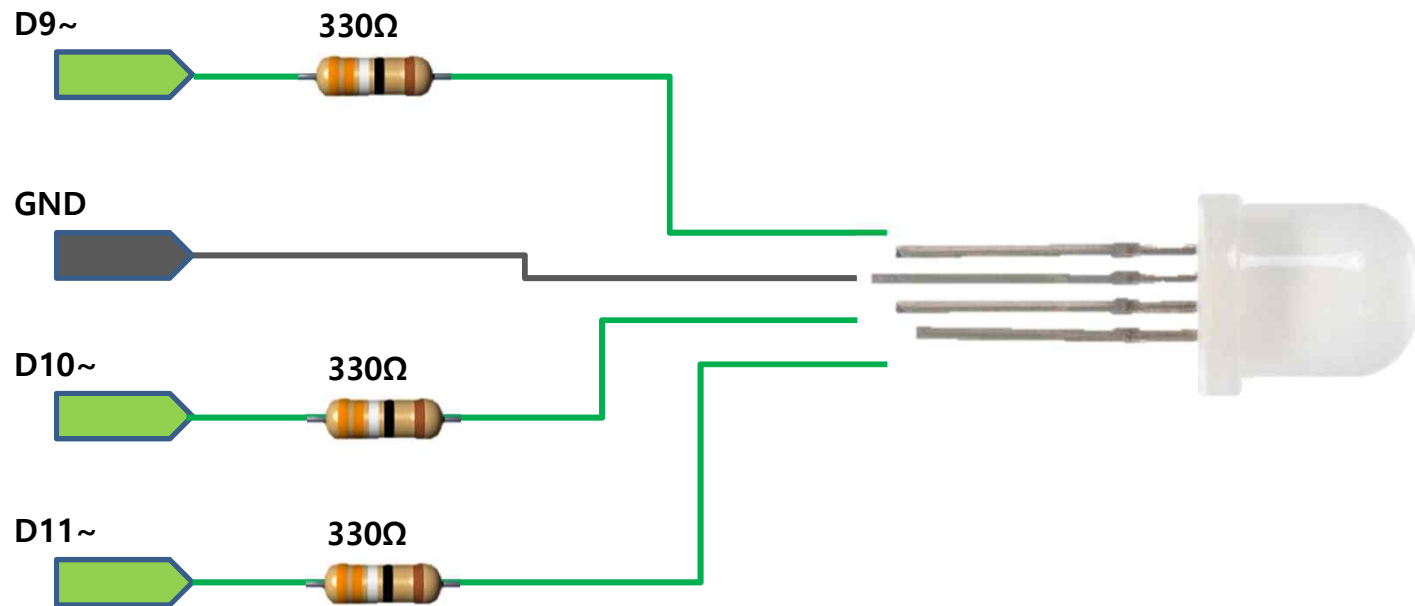


Push Button Circuit

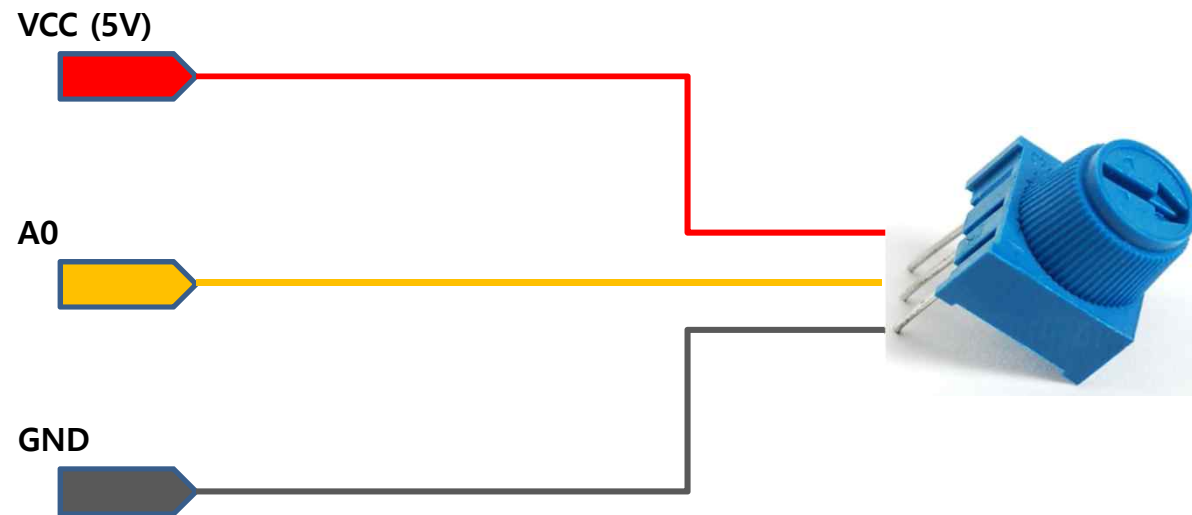
- Internal Pull-up type
- Press LOW



Color LED Circuit

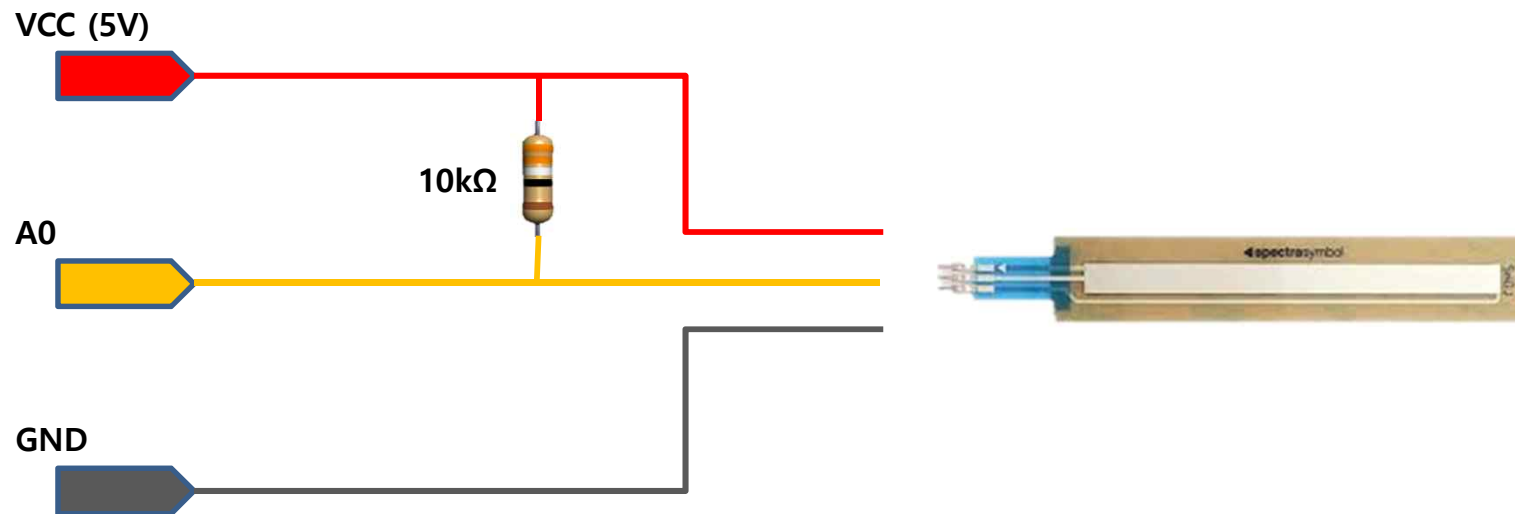


Potentiometer Circuit



Soft Potentiometer Circuit

- Pull-up type
- Default VCC input



Soft Potentiometer Circuit

- Pull-down type
- Default GND input

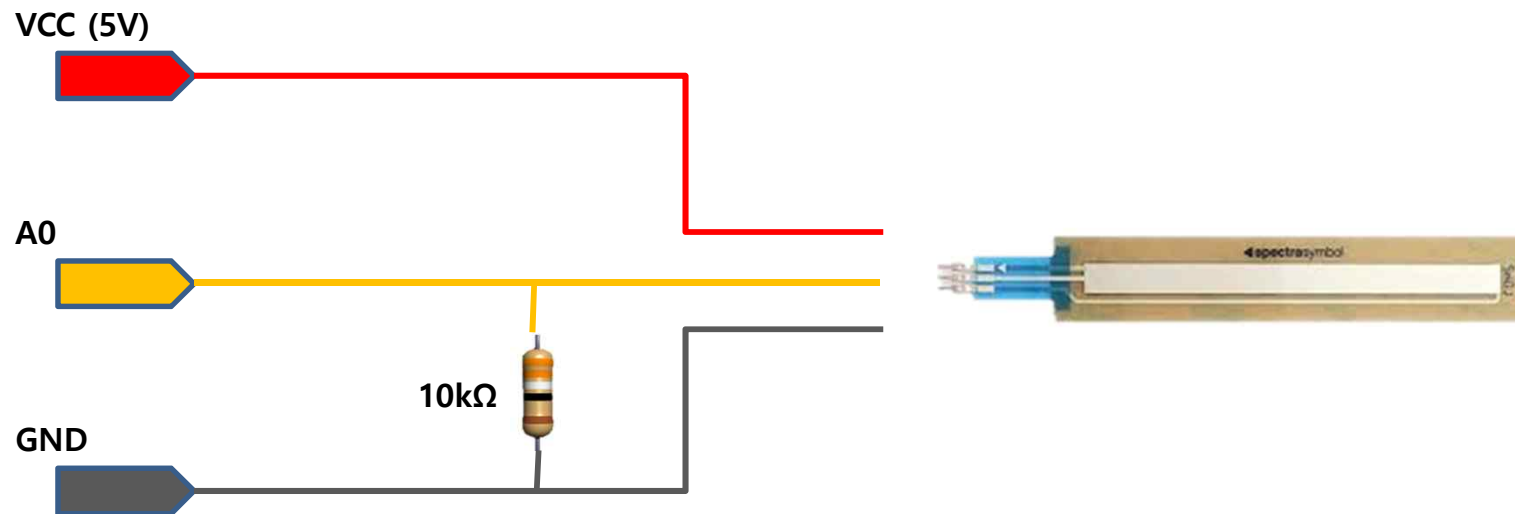
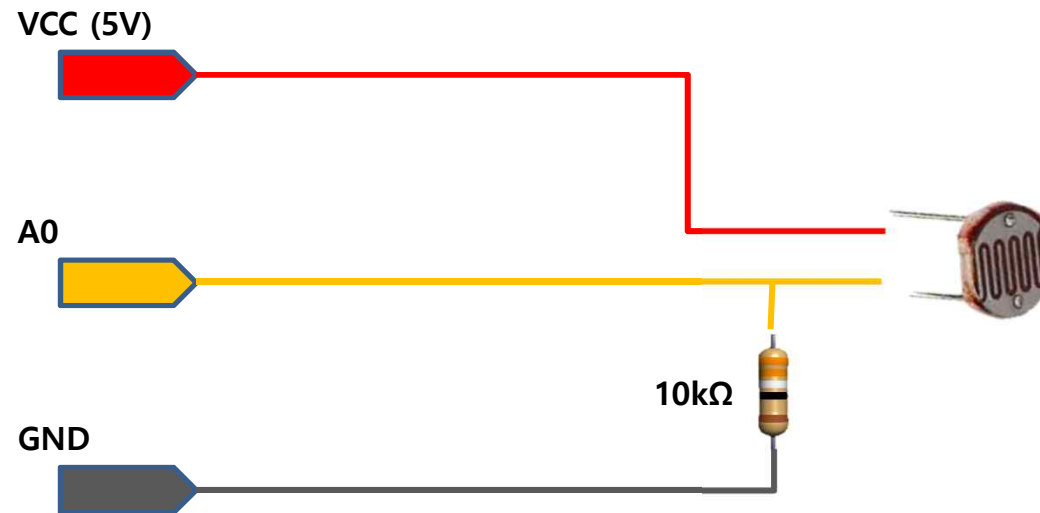
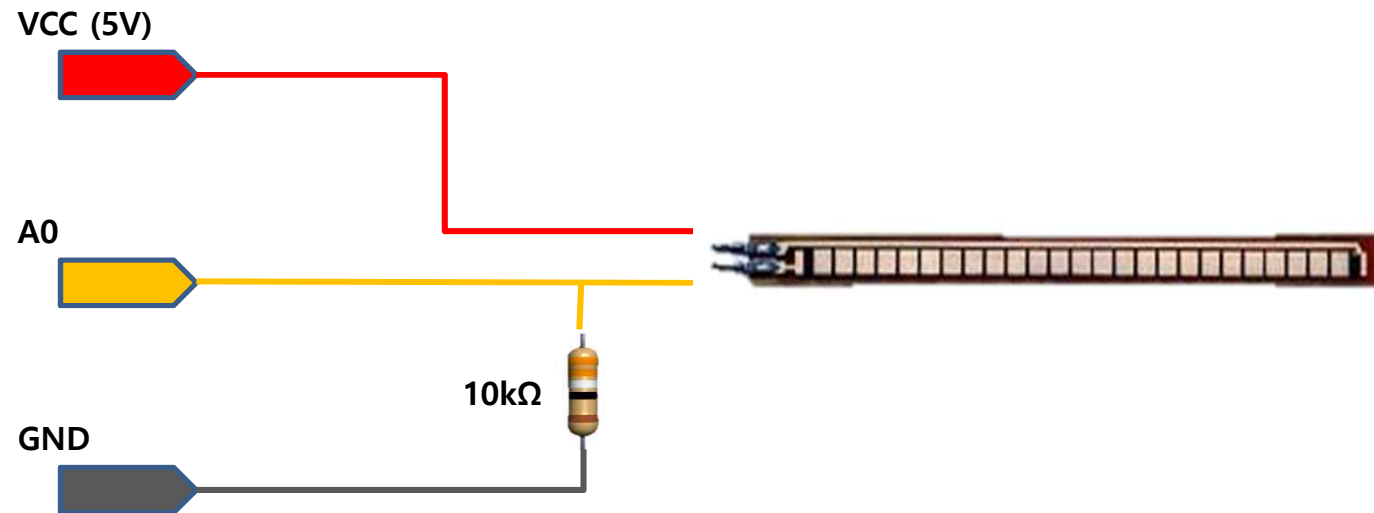


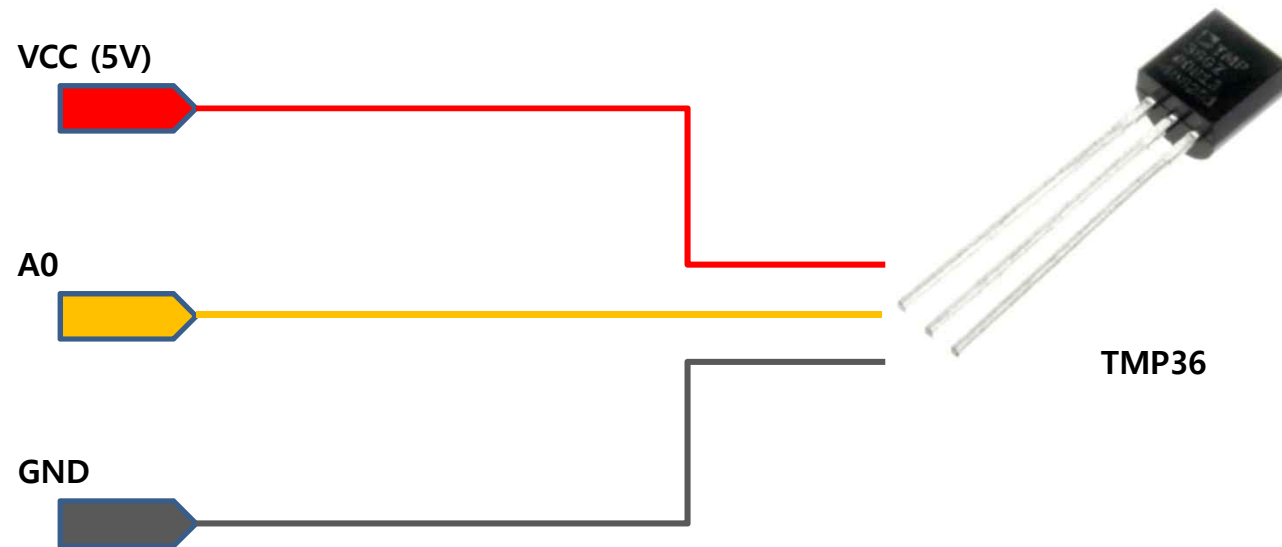
Photo Resistor Circuit



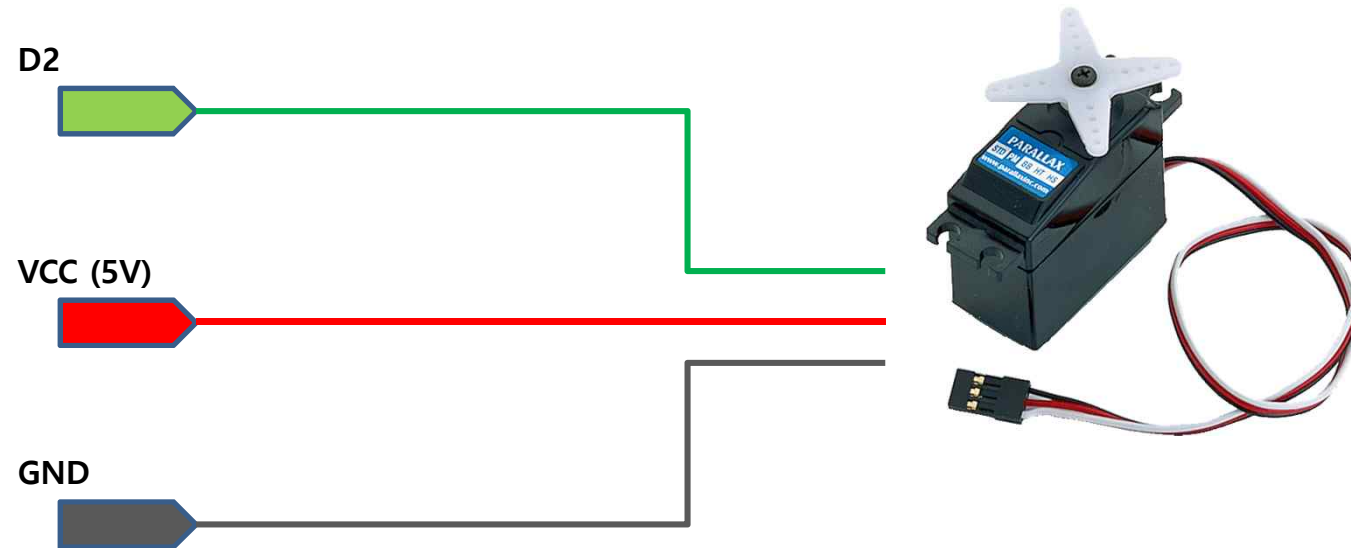
Flex Sensor Circuit



Temperature Circuit

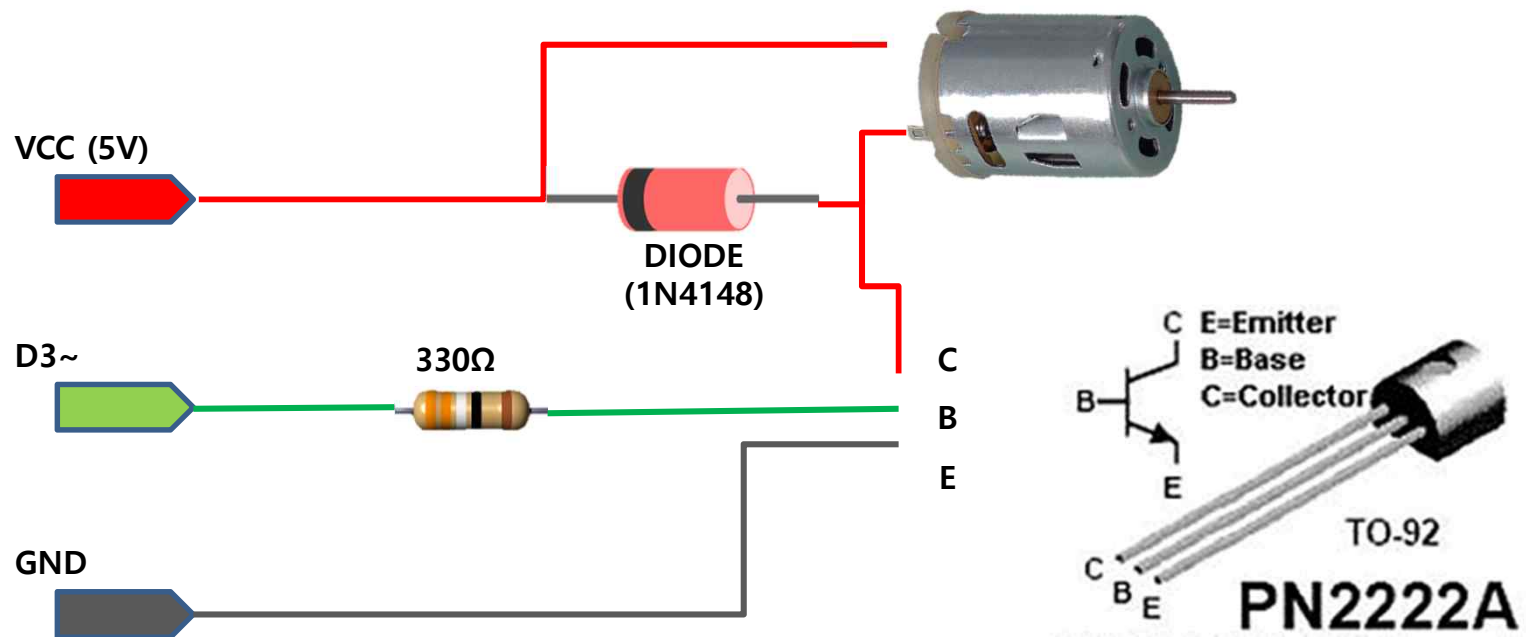


Servo Motor Circuit

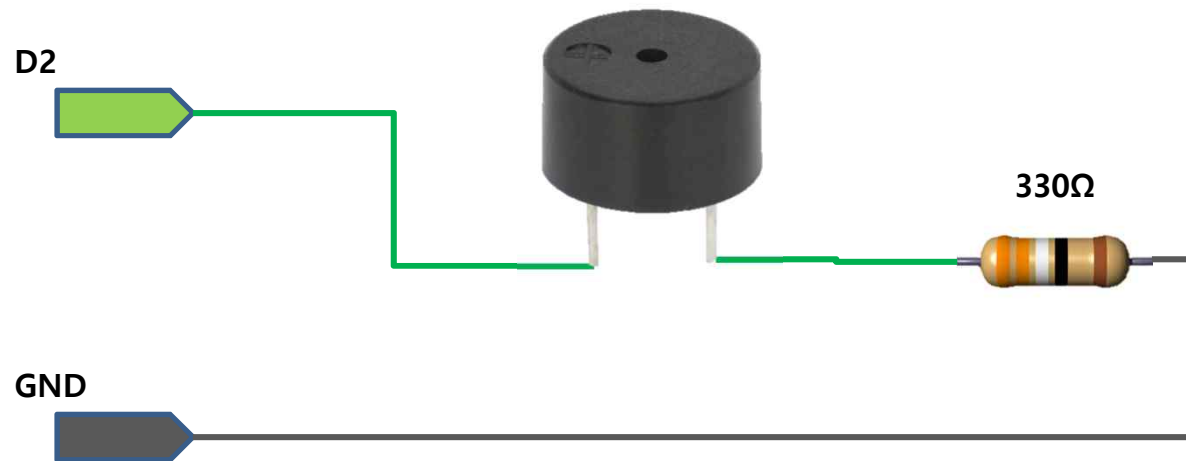


DC Motor Circuit

- No Direction Control
- Only Speed Control



Buzzer Circuit



Add-on Hardware

Circuits for Appendix

MPU9150

