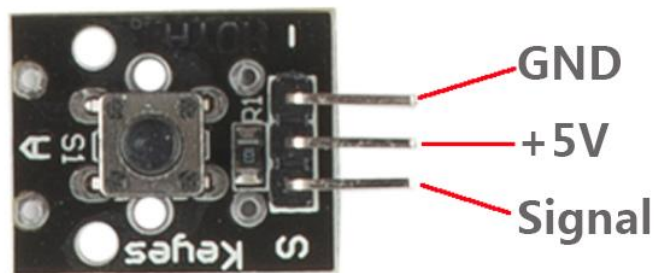


Lesson 13 Button Switch

Introduction

Most SUNFOUNDER boards already have an LED attached to pin 13 on the board itself. So we will use a button module and this LED to build a simple circuit to make an LED light up.



Components

- 1*SUNFOUNDER UNO board (or SUNFOUNDER MEGA2560 board)
- 1*USB data cable
- 1*Button module
- Several jumper wires

Experimental Principle

With the LED attached to pin 13, connect the button module to digital pin 8. When the button module inducts button-pressing signals, the LED will be on. Otherwise it will be off.

Experimental Procedures

Step 1: Connect the circuit according to the following method

| Button Module | SUNFOUNDER UNO |
|---------------|----------------|
| S | Digital 8 |
| "_" | GND |
| + | 5V |

Step 2: Program (Please refer to example code in CD provided by us)

Step 3: Compile the program

Step 4: Burn the program into SUNFOUNDER UNO board

Now, if you press the button, the LED attached to pin 13 on SUNFOUNDER UNO board will light up.

