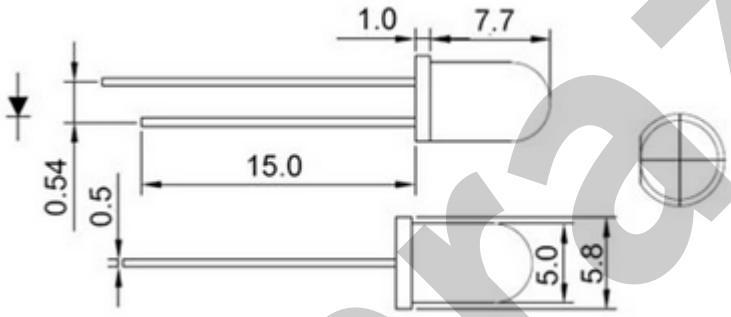
LED trailing effects

Overview

This example shows 8 LED trailing effects.

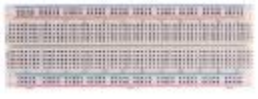
Specification



Pin definition

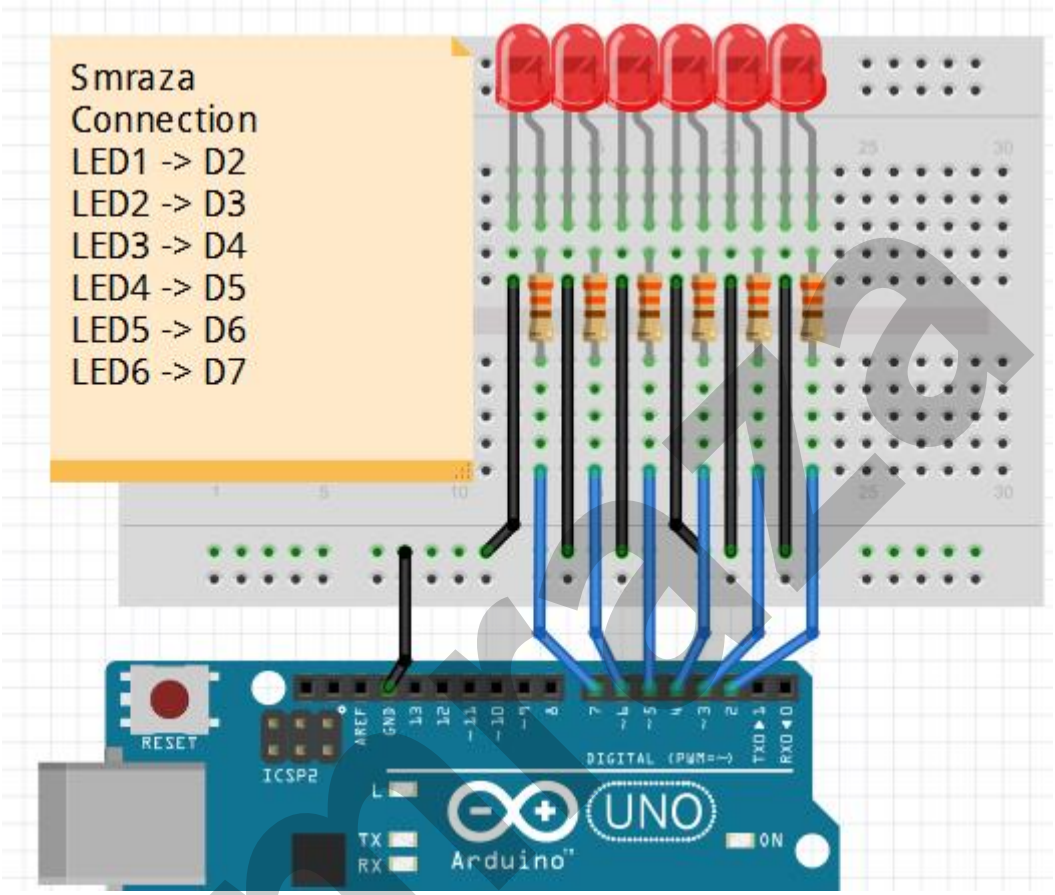
Is the definition of LED pin
Long pin -> + (VCC)
Short pin -> - (GND)

Hardware required

Material diagram	Material name	Number
	220/330Ω resistor	6
	LED	6
	USB Cable	1
	UNO R3	1
	Breadboard	1

	Jumper wires	Several

Connection diagram



Note：The longest LED of the pin is connected to the digital signal port *(D*).

Sample code

Note : sample code under the **Sample code** folder

```
int BASE = 2;
int NUM = 6;
void setup()
{
for (int i = BASE; i < BASE + NUM; i ++)
{
pinMode(i, OUTPUT);          //set port ‘i’ as an output port
}
}
void loop()
{
```

```
for (int i = BASE; i < BASE + NUM; i ++)
{
digitalWrite(i, LOW);          // Turn OFF the I/O board LED
delay(200);
}
for (int i = BASE; i < BASE + NUM; i ++)
{
digitalWrite(i, HIGH);       // Turn ON the I/O board LED
delay(200);
}
}
```

Language reference

Tips：click on the following name to jump to the web page.
If you fail to open, use the Adobe reader to open this document.

int
pinMode()
OUTPUT
for()
HIGH
LOW
digitalWrite()
delay()

Application effect

You'll see all the LEDs will turn on/off regularly.