

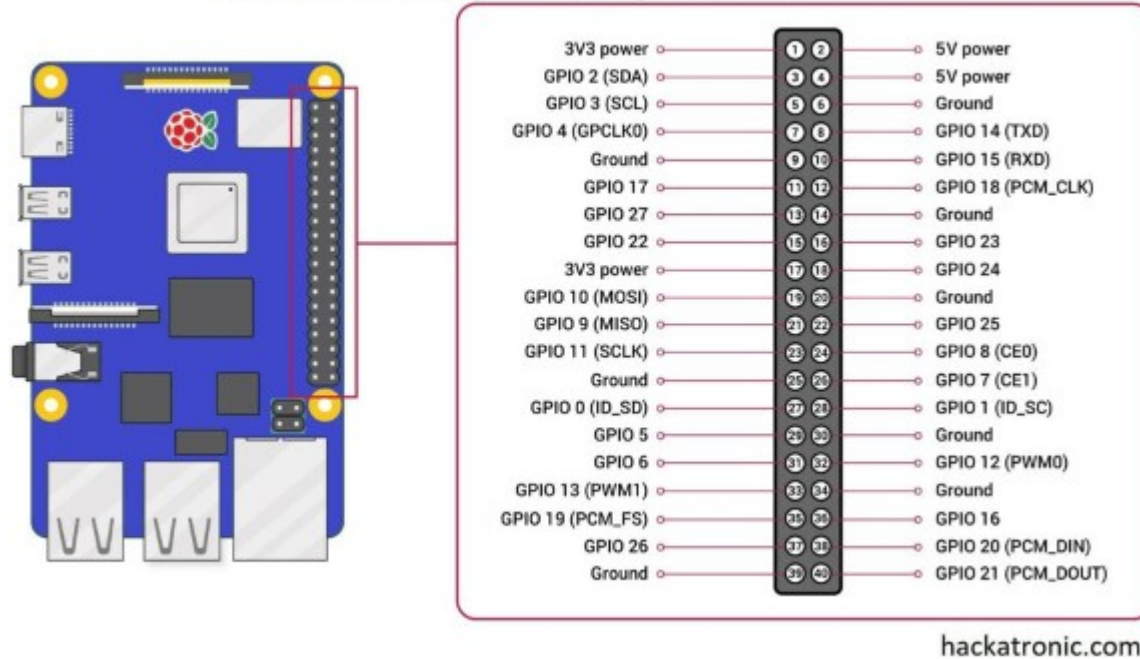
Project Blink

Blink Video

Project Blink

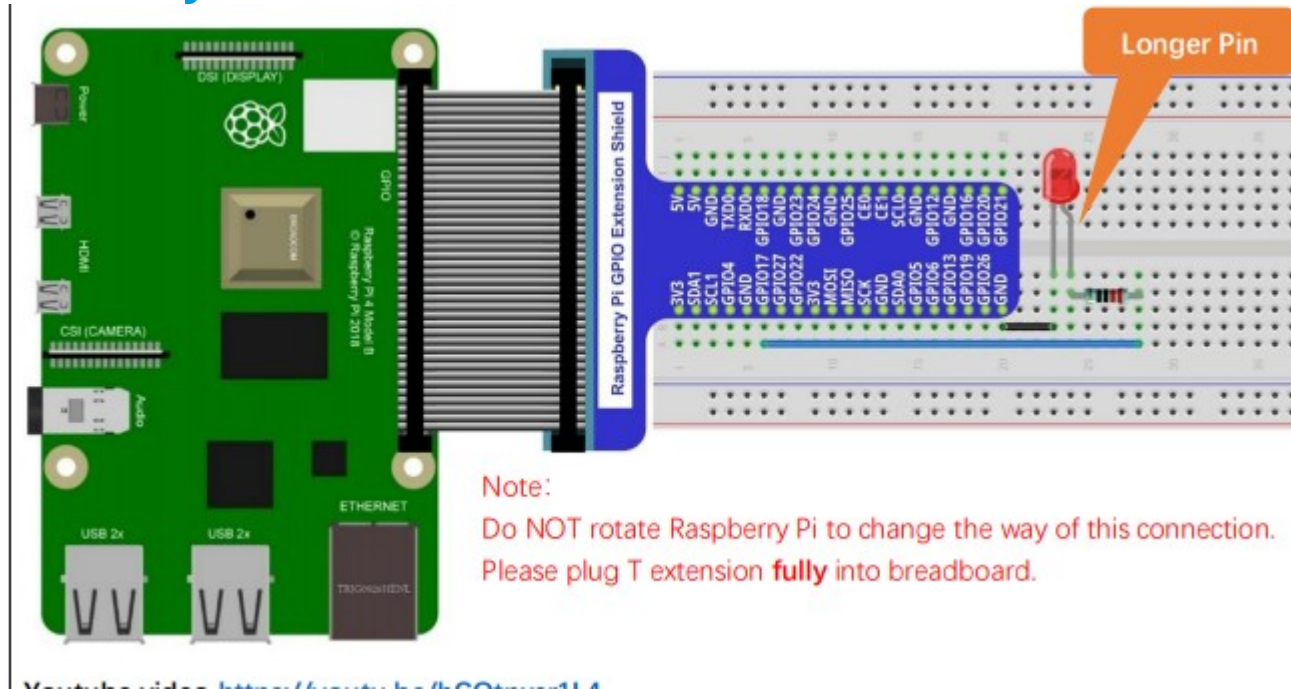
- Pin ID

40 GPIO Pins Description of Raspberry Pi 4



Project Blink

- Component Layout:



LED code:

- CODE:

```
pi@raspberrypi:~ $ python
Python 3.9.2 (default, Feb 28 2021
[GCC 10.2.1 20210110] on linux
Type "help", "copyright", "crea
>>> import gpiozero
>>> led = gpiozero.LED(17)
>>> led.on()
>>> led.off()
```

LED Blink code

- Blink:

```
GNU nano 5.4
from gpiozero import LED
import time

led = LED(17)
for _ in range(5):
    led.on()
    time.sleep(0.5)
    led.off()
    time.sleep(0.5)
```

```
pi@raspberrypi:~ $ python
Python 3.9.2 (default, Feb 28 2021, 17:03:44)
[GCC 10.2.1 20210110] on linux
Type "help", "copyright", "credits" or "license" for more info
>>> import gpiozero
>>> led = gpiozero.LED(17)
>>> led.on()
>>> led.off()
>>> quit()
pi@raspberrypi:~ $ sudo nano led_flash.py
pi@raspberrypi:~ $ python led_flash.py
```

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- GPIO Reference

GPIO Numbering Relationship

WingPi	BCM(Extension)	Physical		BCM(Extension)	WingPi
3.3V	3.3V	1	2	5V	5V
8	SDA1	3	4	5V	5V
9	SCL1	5	6	GND	GND
7	GPIO4	7	8	GPIO14/TXD0	15
GND	GND	9	10	GPIO15/RXD0	16
0	GPIO17	11	12	GPIO18	1
2	GPIO27	13	14	GND	GND
3	GPIO22	15	16	GPIO23	4
3.3V	3.3V	17	18	GPIO24	5
12	GPIO10/MOSI)	19	20	GND	GND
13	GPIO9/MOIS	21	22	GPIO25	6
14	GPIO11/SCLK	23	24	GPIO8 /CE0	10
GND	GND	25	26	GPIO7 CE1	11
30	GPIO0/SDA0	27	28	GPIO1 /SCL0	31
21	GPIO5	29	30	GND	GND
22	GPIO6	31	32	GPIO12	26
23	GPIO13	33	34	GND	GND
24	GPIO19	35	36	GPIO16	27
25	GPIO26	37	38	GPIO20	28
GND	GND	39	40	GPIO21	29