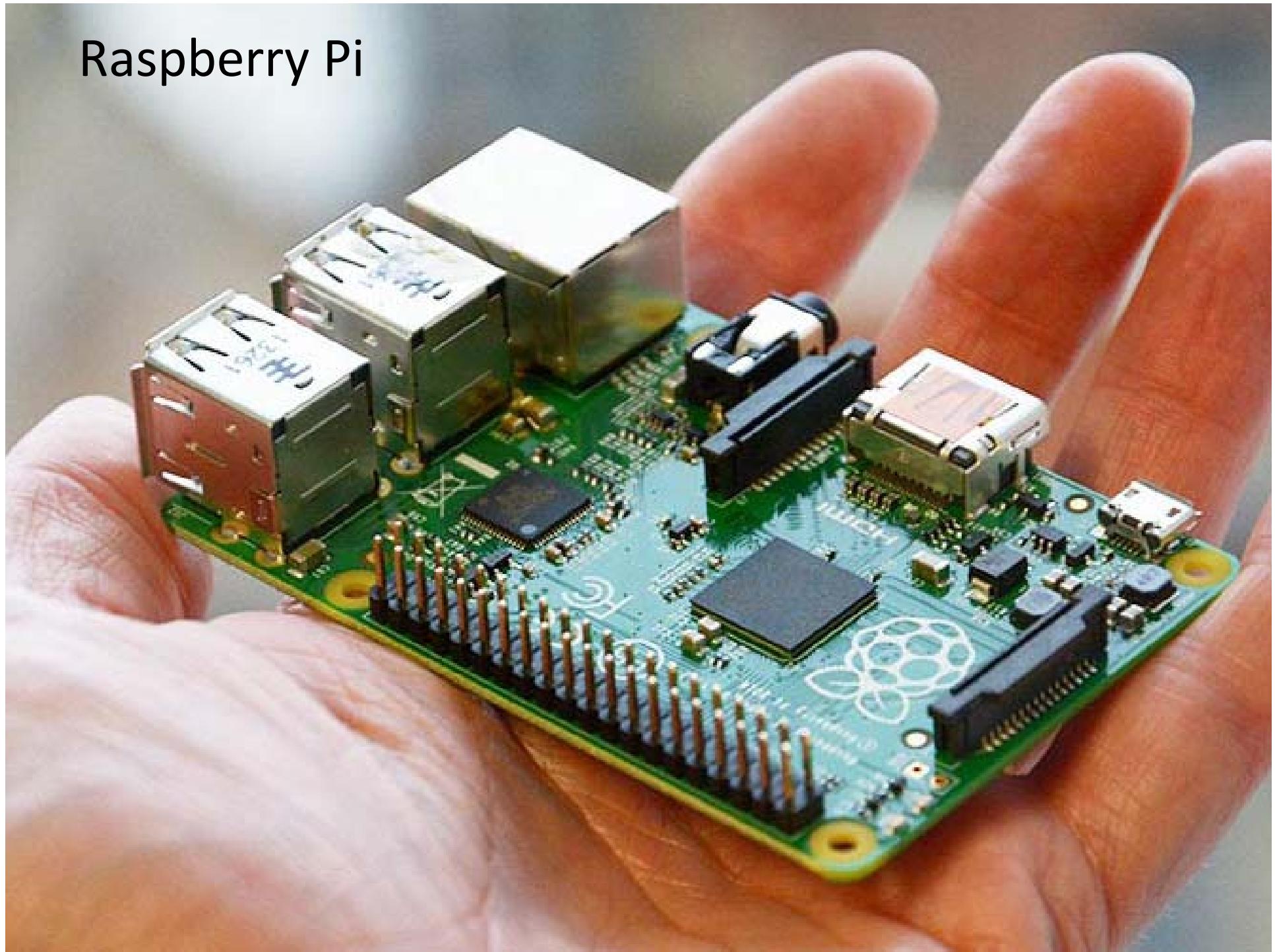
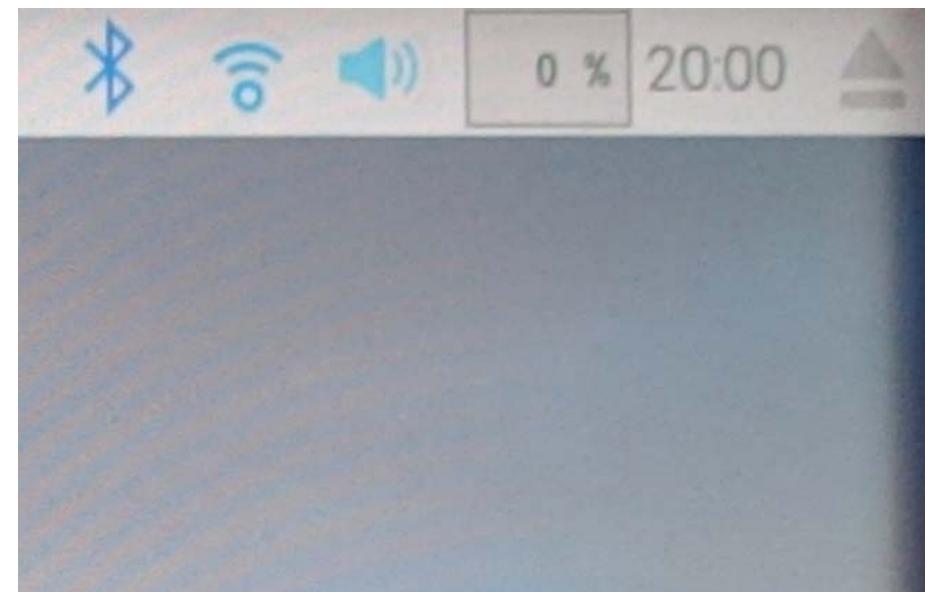
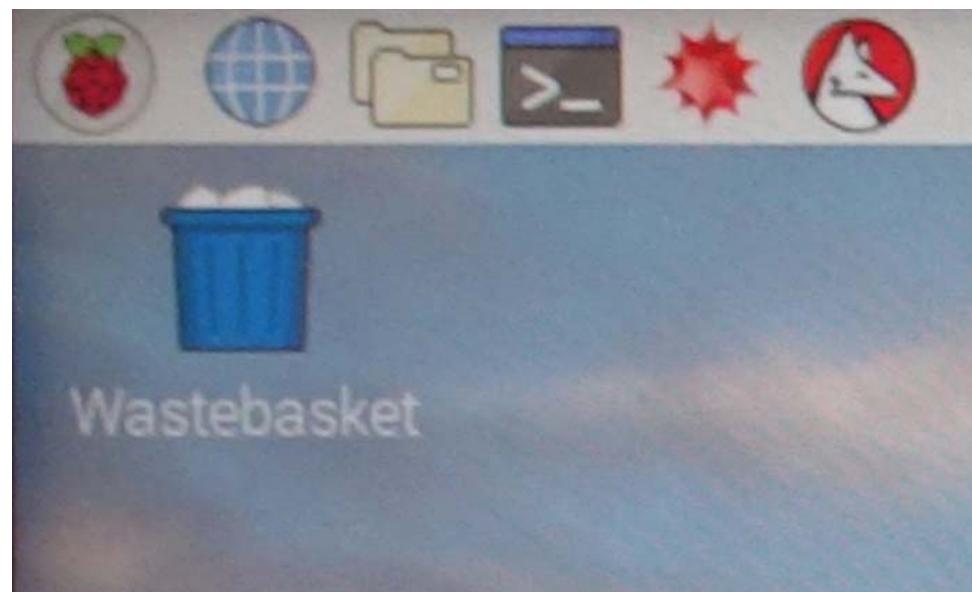
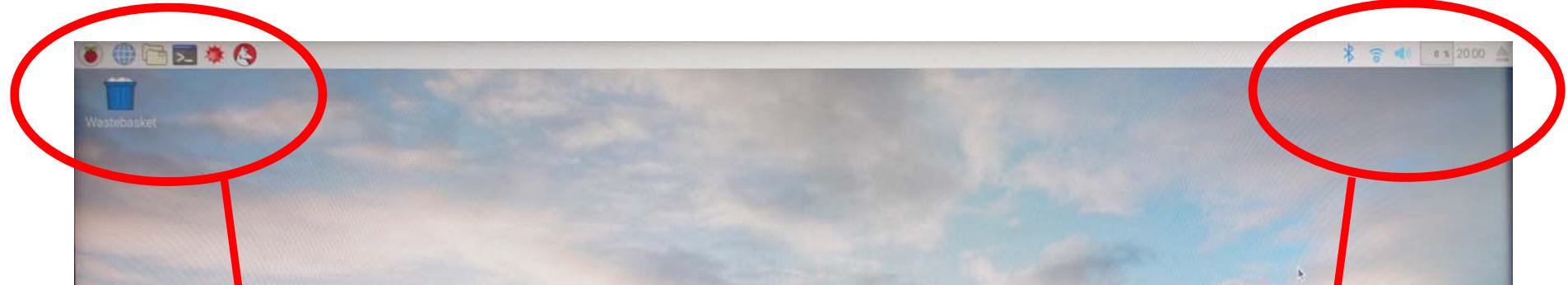


Raspberry pie

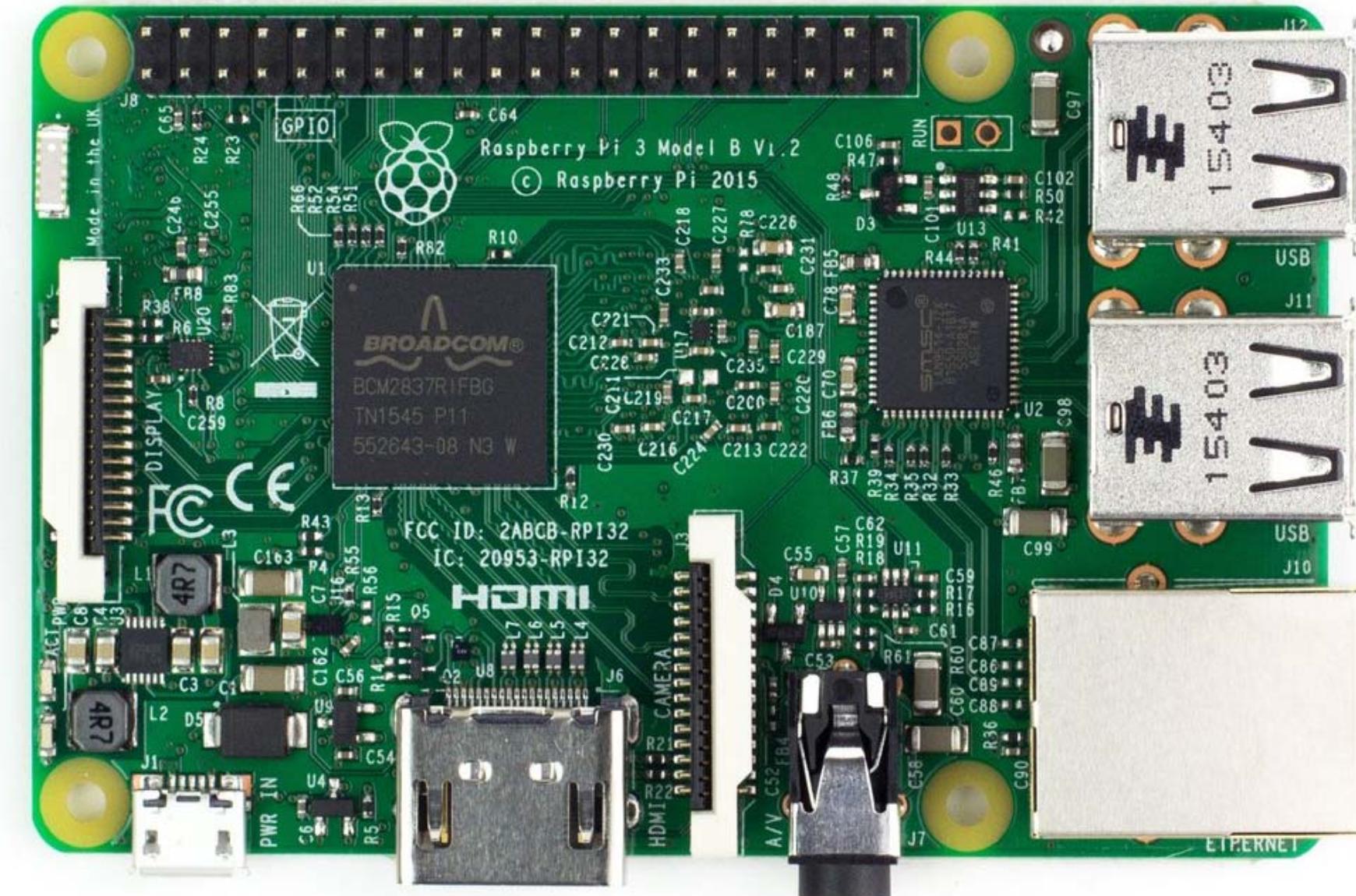


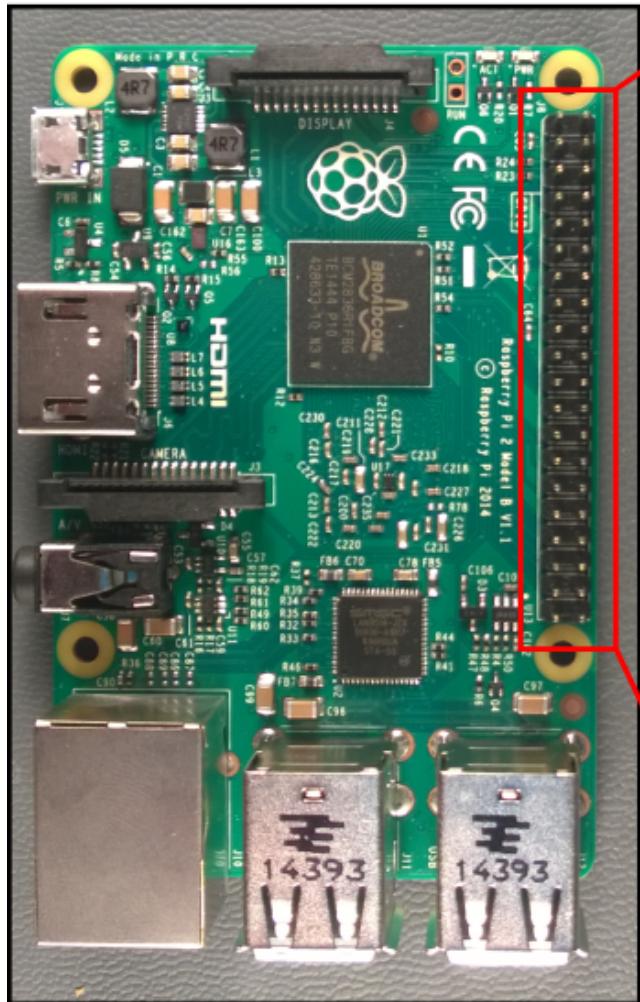
Raspberry Pi



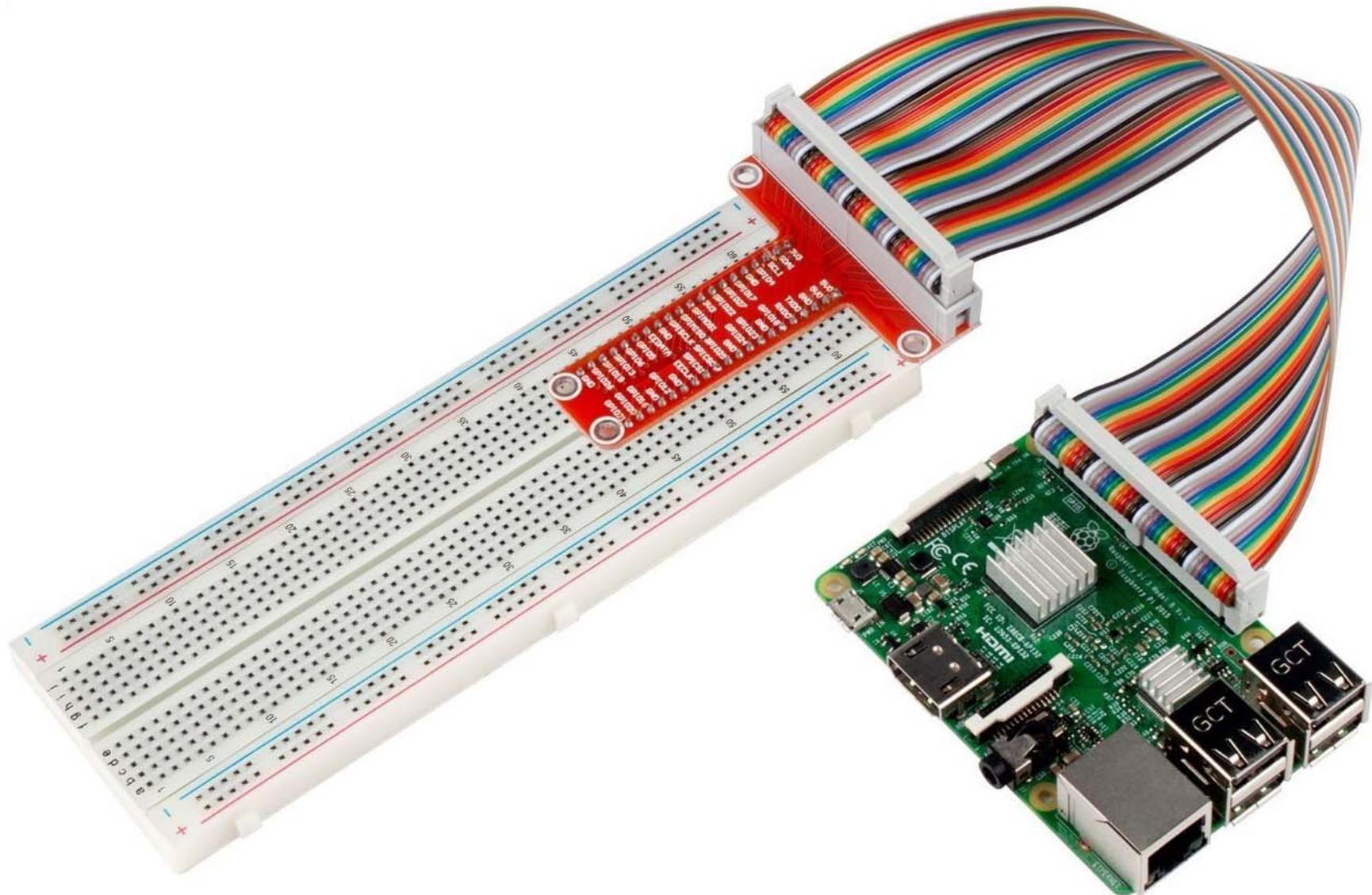


GPIO: General Purpose I/O



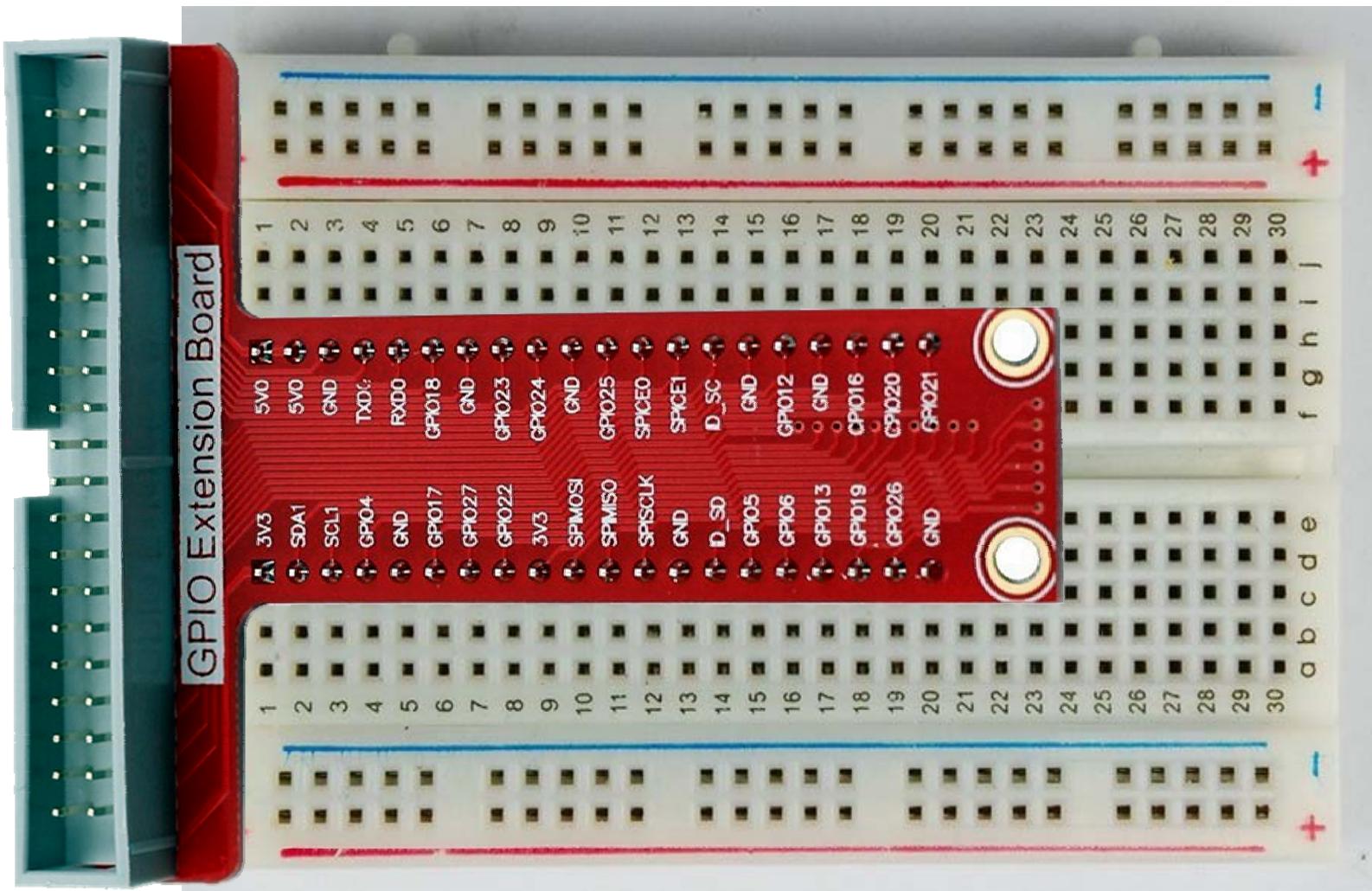


Alternate Function	
3.3V PWR	1
I2C1 SDA	GPIO 2
I2C1 SCL	GPIO 3
GPIO 4	5
GND	7
GPIO 17	9
GPIO 27	11
GPIO 22	13
3.3V PWR	15
SPI0 MOSI	GPIO 10
SPI0 MISO	GPIO 9
SPI0 SCLK	GPIO 11
GND	19
Reserved	21
GPIO 11	23
GND	25
Reserved	27
GPIO 5	29
GPIO 6	31
GPIO 13	33
SPI1 MISO	GPIO 19
GPIO 26	35
GND	37
2	5V PWR
4	5V PWR
6	GND
8	UART0 TX
10	UART0 RX
12	GPIO 18
14	GND
16	GPIO 23
18	GPIO 24
20	GND
22	GPIO 25
24	GPIO 8
26	GPIO 7
28	Reserved
30	GND
32	GPIO 12
34	GND
36	SPI0 CS0
38	GPIO 16
40	SPI0 CS1
36	GPIO 16
38	SPI1 MOSI
40	SPI1 SCLK

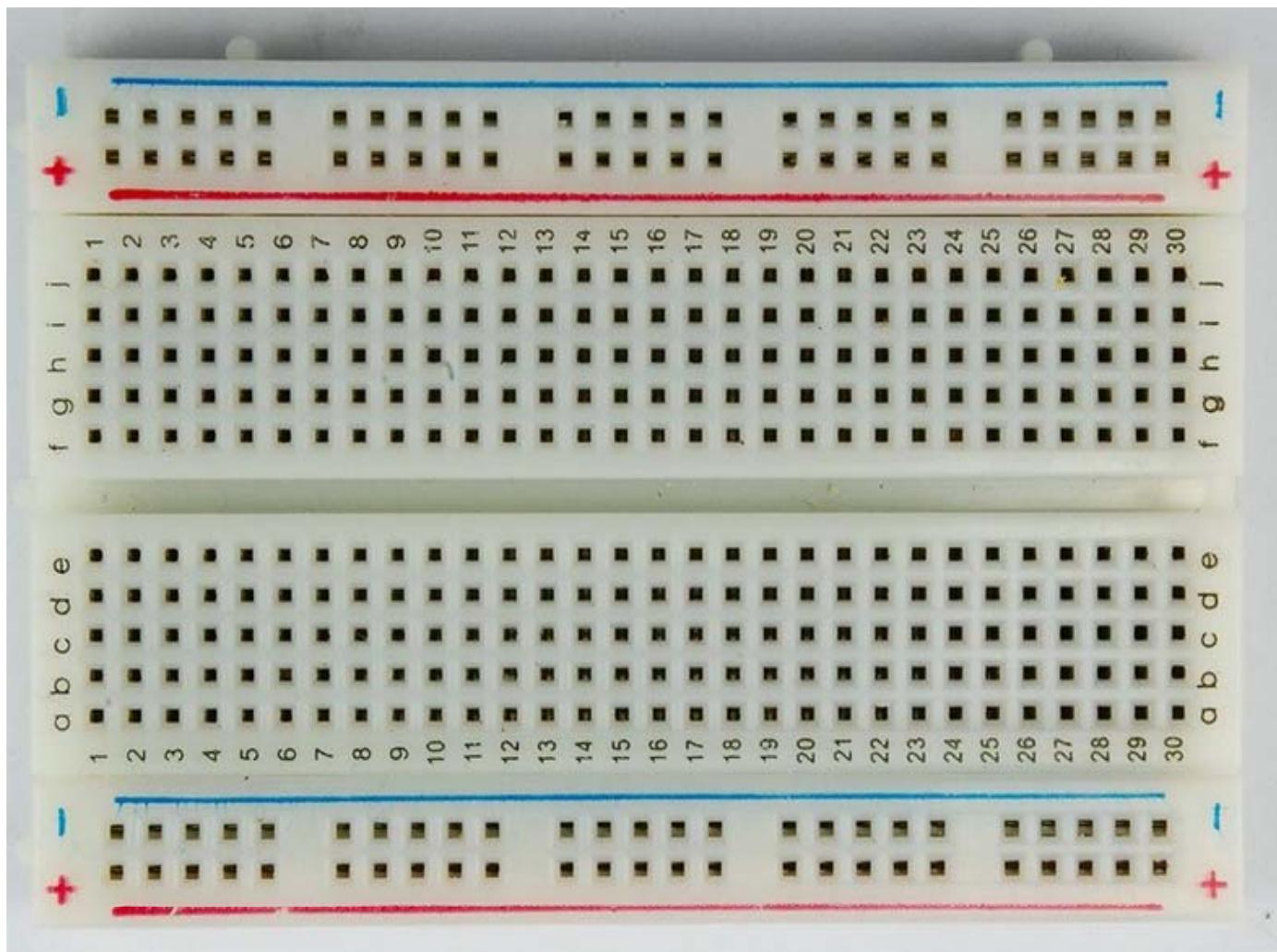


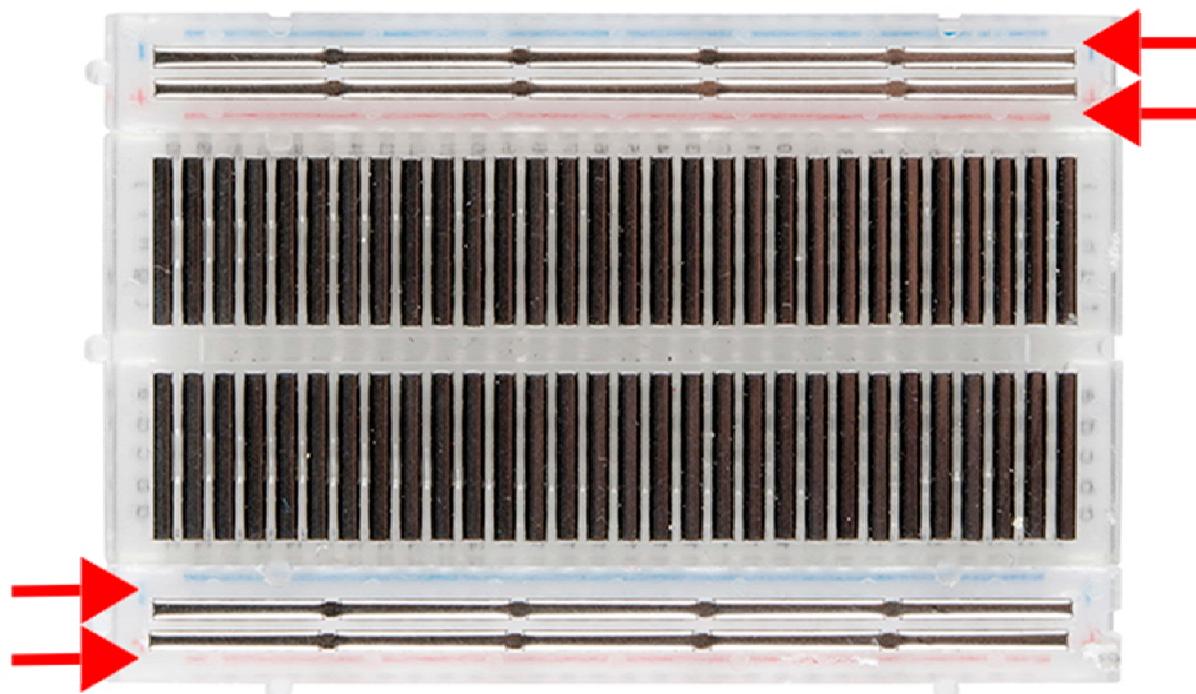
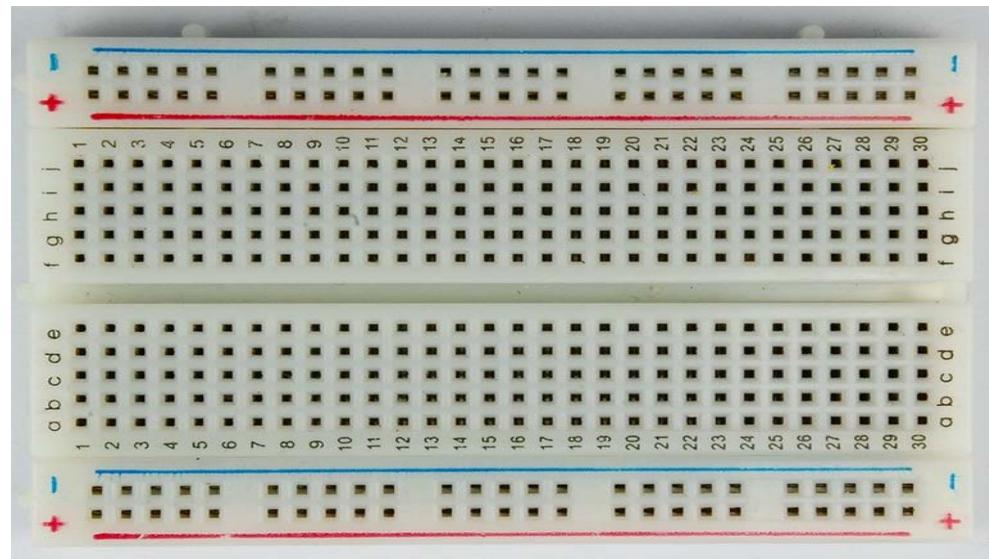


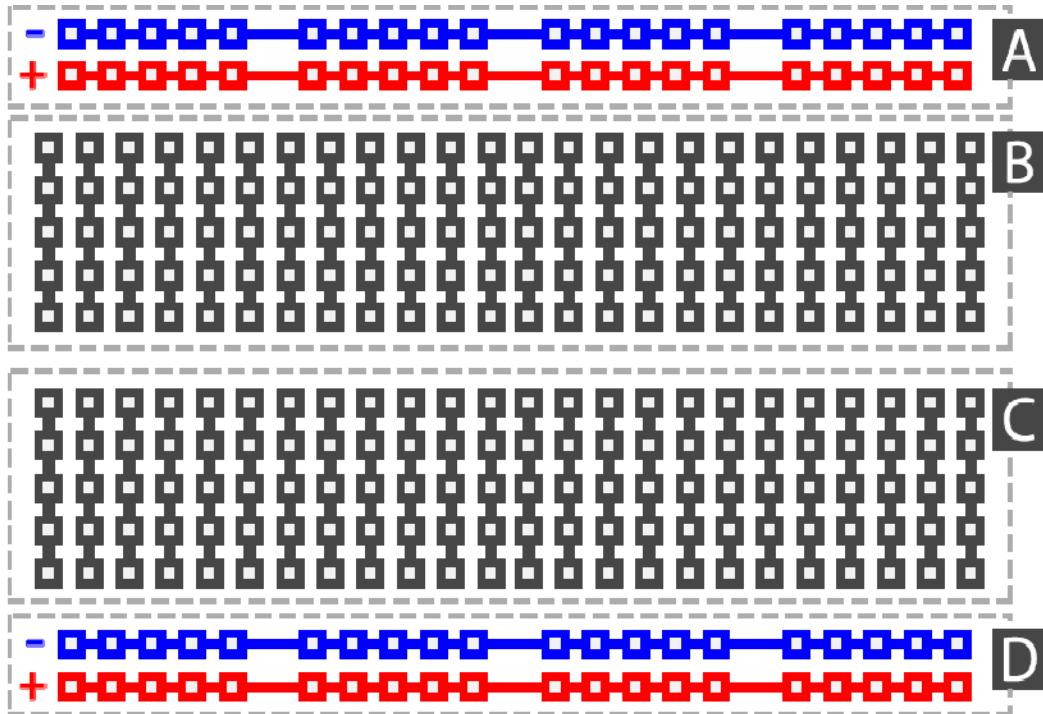
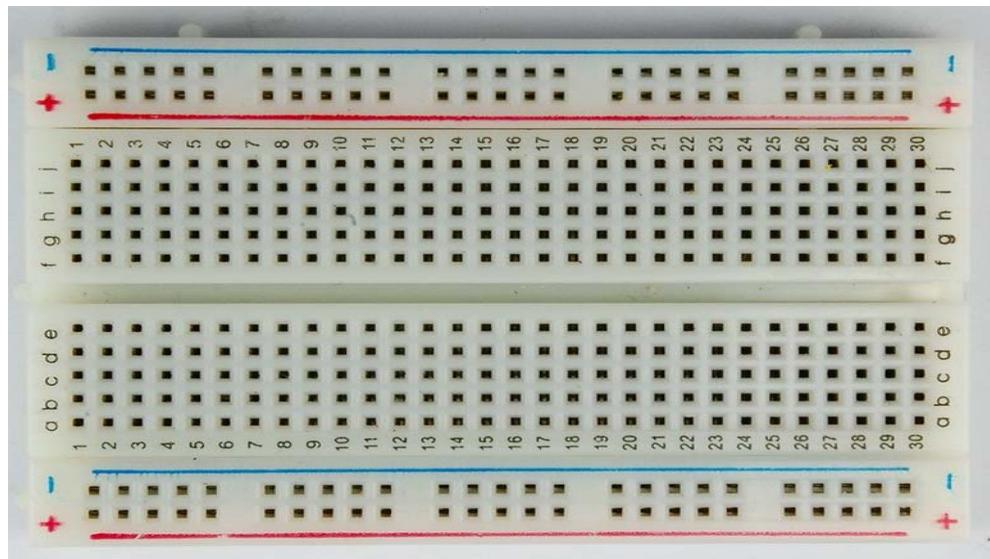
Breadboard

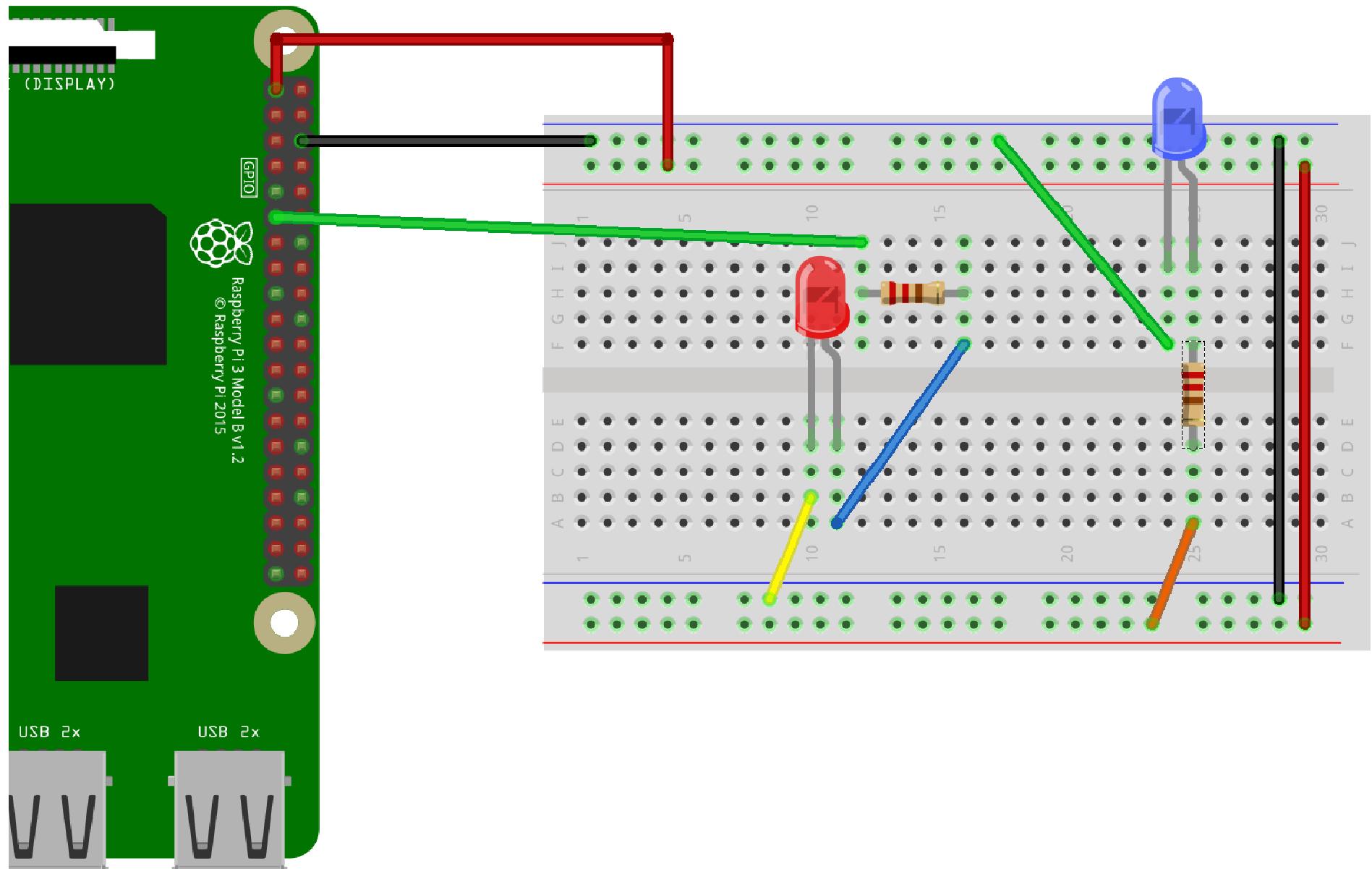


Breadboard

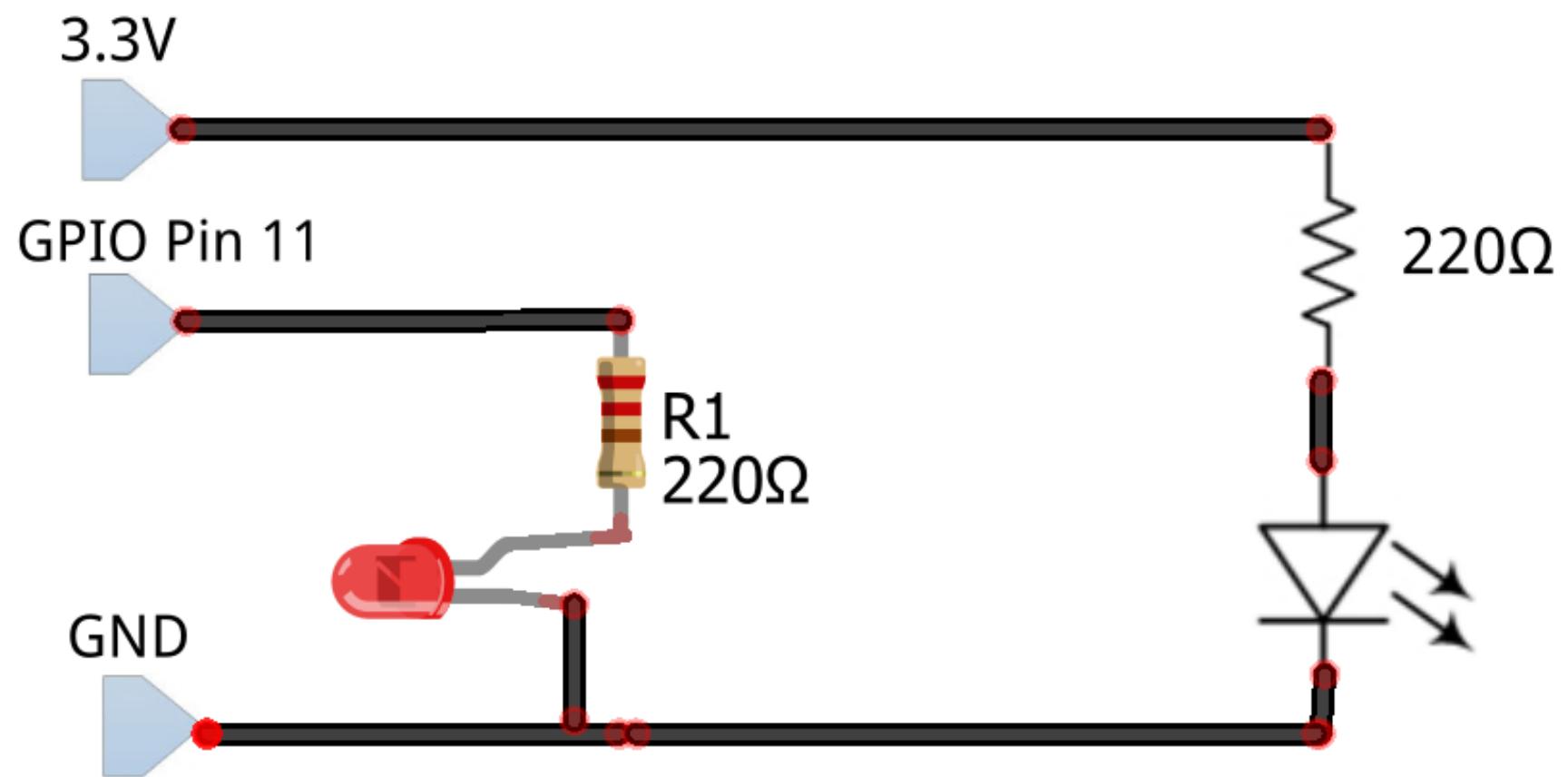




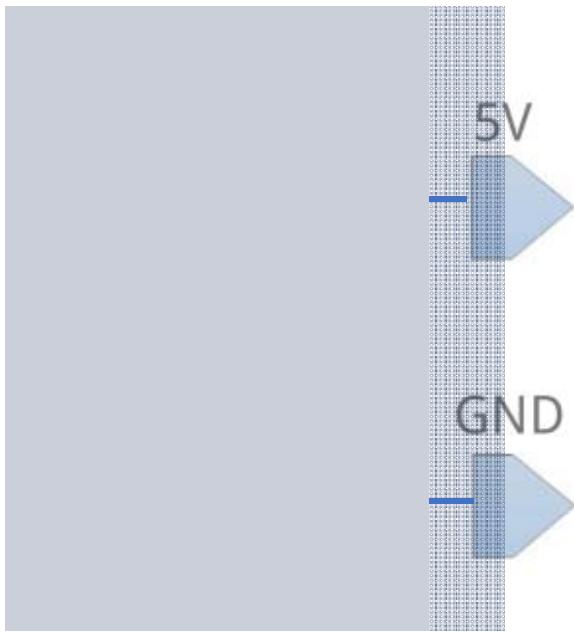


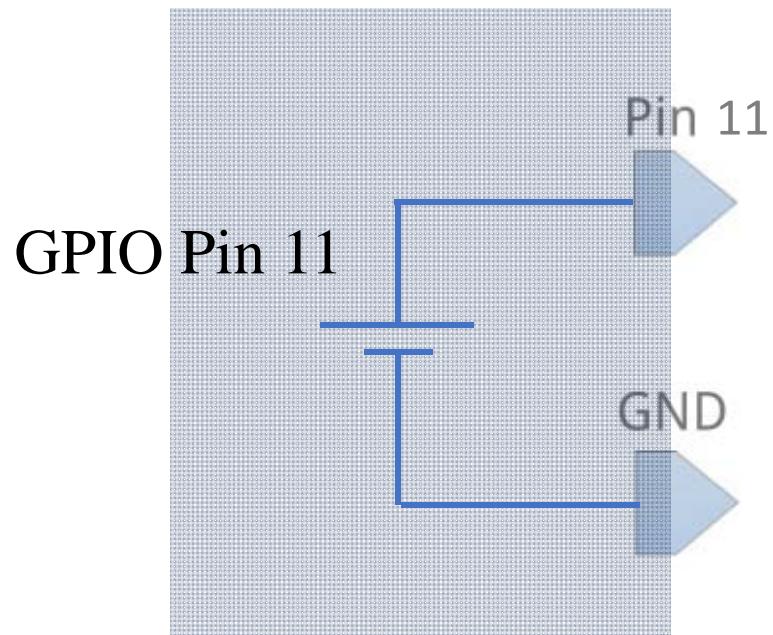


FOOTPRINT

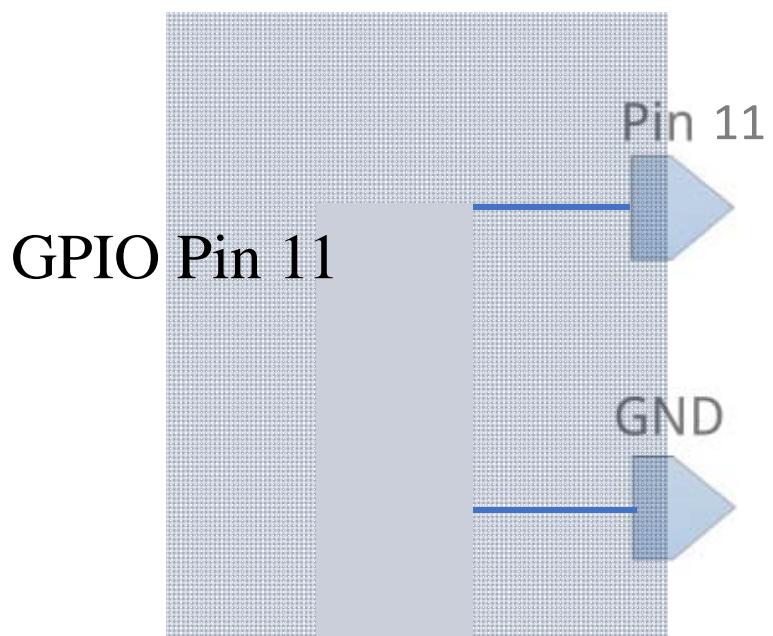


fritzing



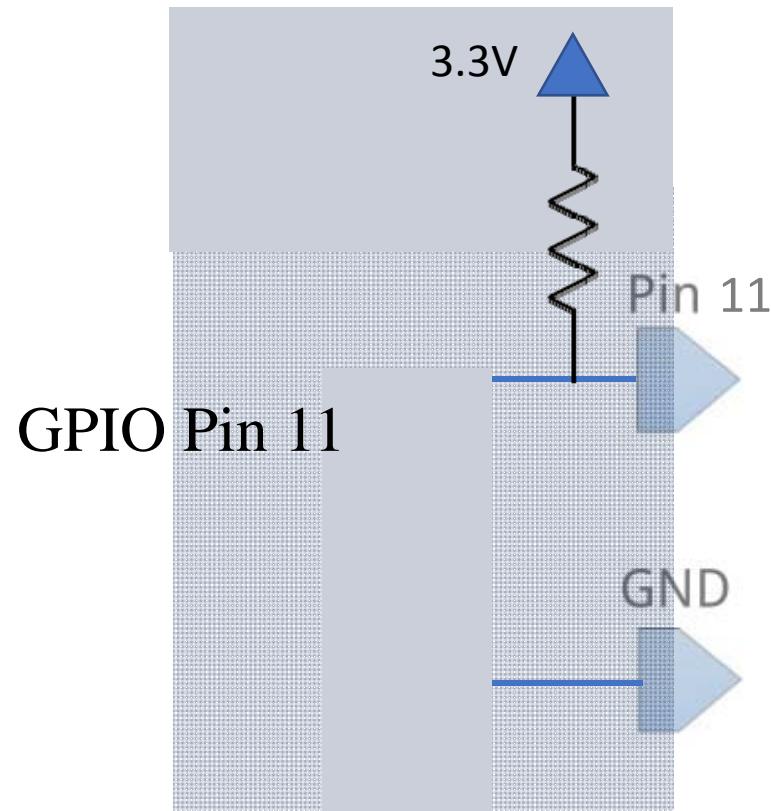


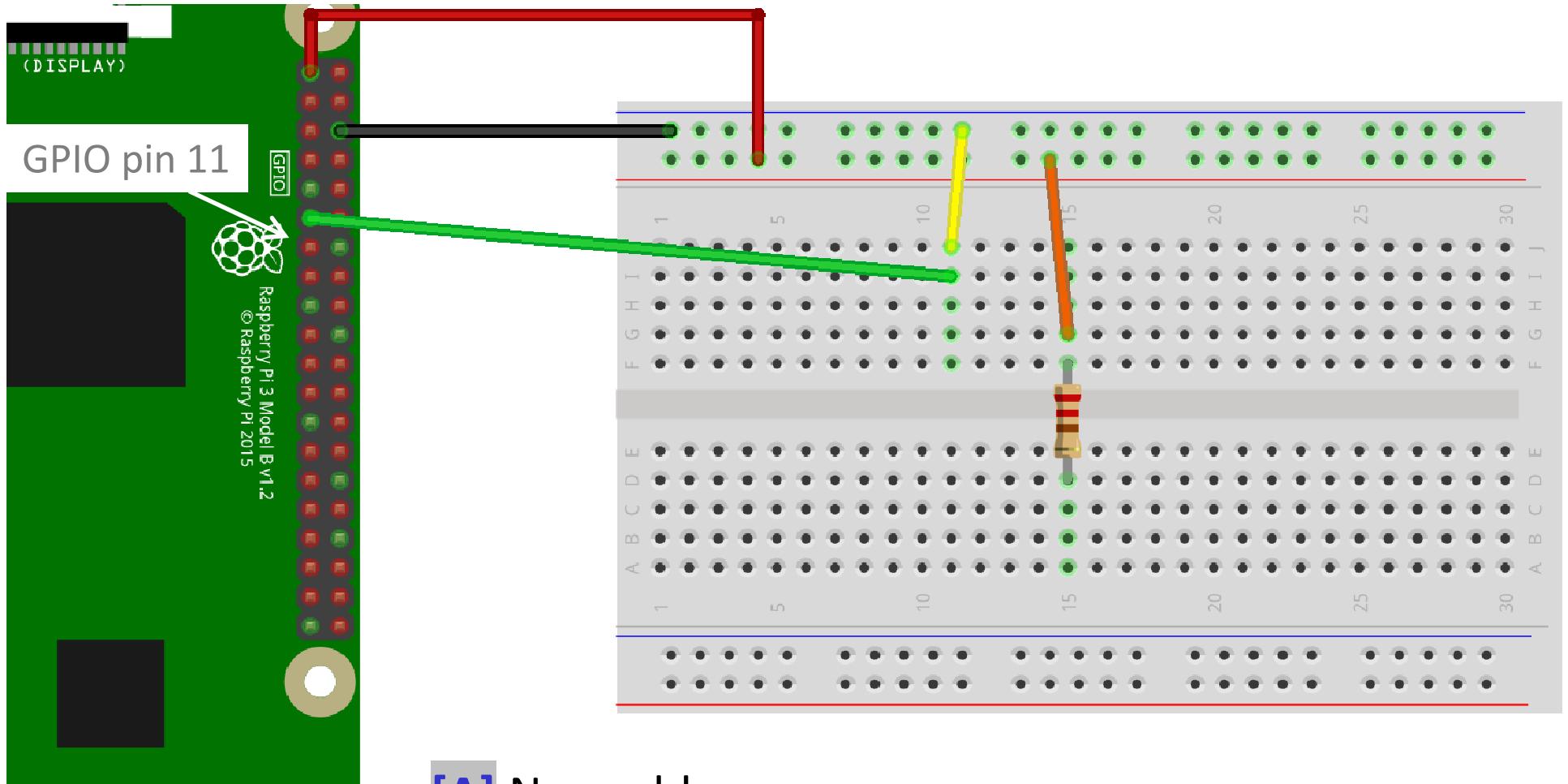
GPIO configured as OUTPUT



GPIO configured as INPUT

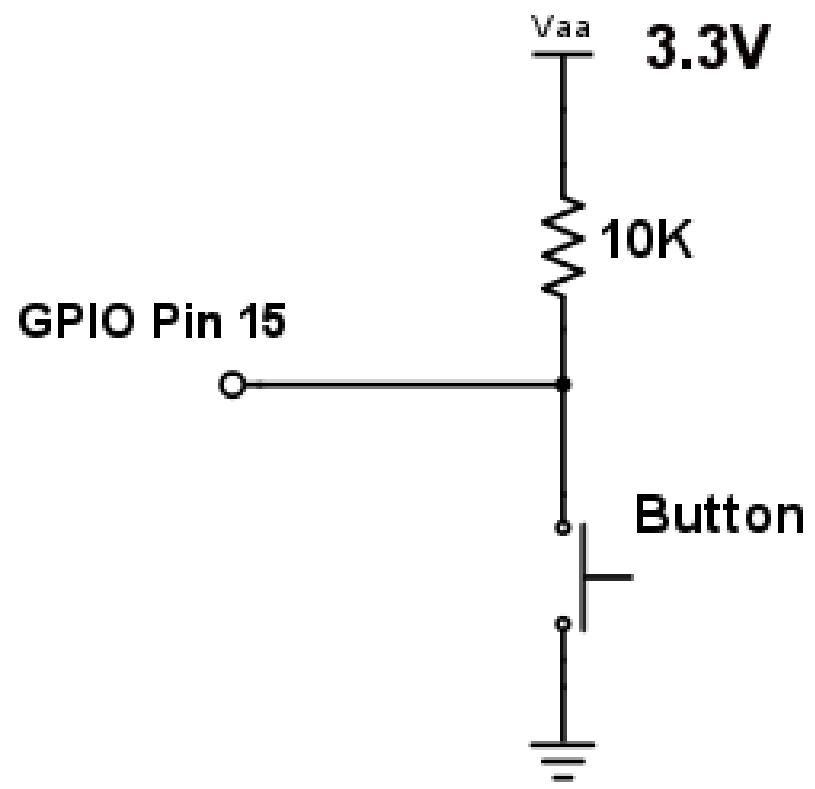
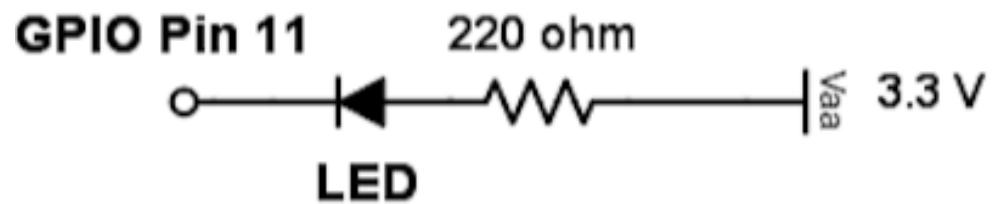
GPIO configured as INPUT with internal PULLUP





The way the circuit is connected is:

- [A] No problem
- [B] A bad idea if Pin 11 is configured as an output
- [C] A bad idea if Pin 11 is configured as an input
- [D] A bad idea regardless of how Pin 11 is configured
- [E] I don't know



```

import RPi.GPIO as GPIO
import time

LedPin = 11

def setup():
    GPIO.setmode(GPIO.BOARD)          # Numbers GPIOs by physical location
    GPIO.setup(LedPin, GPIO.OUT)        # Set LedPin's mode is output
    GPIO.output(LedPin, GPIO.HIGH)      # Set LedPin high (+3.3V) to turn off led

def loop():
    while True:
        GPIO.output(LedPin, GPIO.LOW)    # led on
        time.sleep(0.5)
        GPIO.output(LedPin, GPIO.HIGH)   # led off
        time.sleep(0.5)

def destroy():
    GPIO.output(LedPin, GPIO.HIGH)      # led off
    GPIO.cleanup()                     # Release resource

if __name__ == '__main__':
    setup()
    try:
        loop()
    except KeyboardInterrupt:
        destroy()

```



