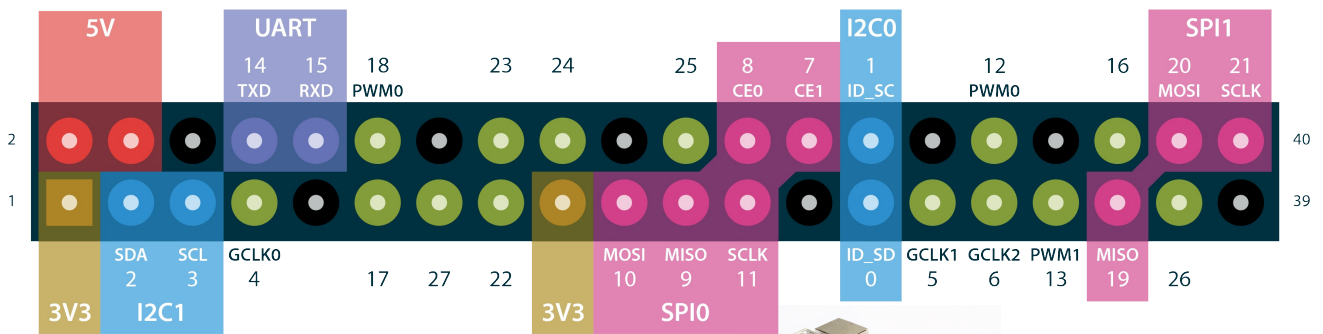


RaspberryPi - CheatSheet

Raspberry Pi GPIO BCM numbering



BCM: Pin-Nummern am Chip

BOARD: Pin-Nummern auf dem Board.



Informationen zu Pins
<http://pinout.xyz>

`#blink.py`

Blinkende LED

```
# Bibliotheken importieren
import RPi.GPIO as GPIO
import time

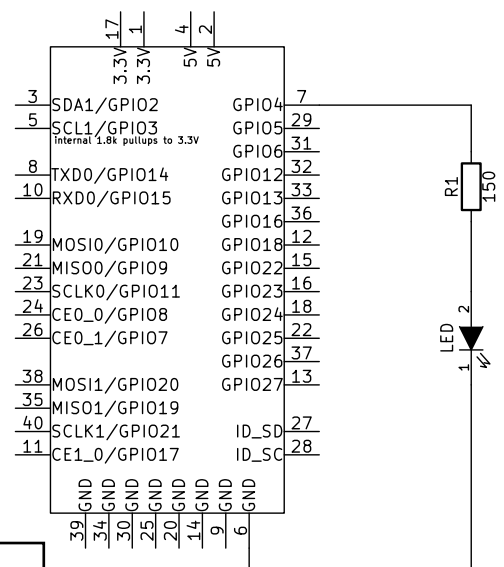
LED = 7    # Pin 7 (BCM 4)

GPIO.setmode(GPIO.BOARD)    # Board-Nummerierung
GPIO.setup(LED, GPIO.OUT)    # LED-Pin als Ausgang

try:
    while True:
        GPIO.output(LED, True) # LED an
        print(" blink")
        time.sleep(0.5)
        GPIO.output(LED, False) # LED aus
        time.sleep(1)
except KeyboardInterrupt:
    GPIO.cleanup()
```

Programm starten
\$ python3 blink.py

Raspberry_Pi_3



`#taster.py`

Taster auslesen

```
# Bibliotheken importieren
import RPi.GPIO as GPIO
import time

TASTER = 23    # Pin 16 (BCM 23)

GPIO.setmode(GPIO.BCM)    # BCM-Nummerierung
GPIO.setup(TASTER, GPIO.IN) # Taster-Pin als Eingang

try:
    while True:
        invalue = GPIO.input(TASTER) # Taster auslesen
        print("Tasterwert", invalue)
        time.sleep(0.5)
except KeyboardInterrupt:
    GPIO.cleanup()
```

Programm starten
\$ python3 taster.py

