On board LED light blinking

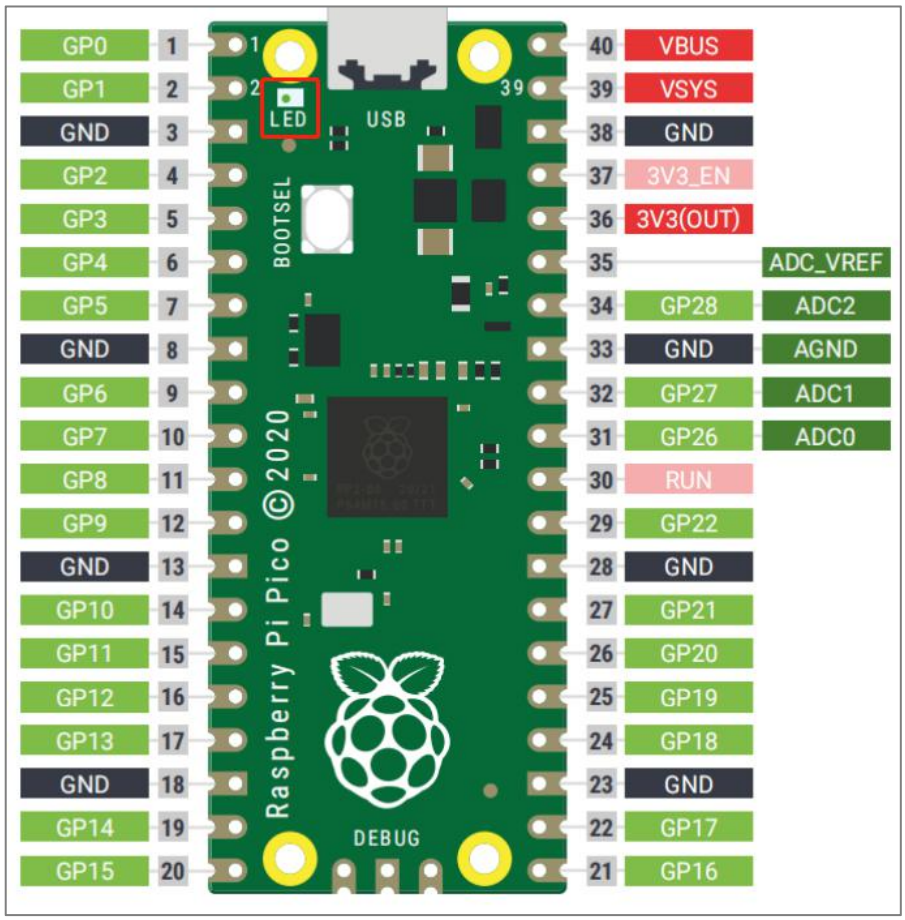
1. Learning purpose

1.1 Learn the basic usage of the pins on the Raspberry Pi Pico board.

1.2 Know how to control the on board LED lights.

2. Hardware construction

This course does not require additional hardware equipment to directly use the on board LED lights on the Raspberry Pi Pico board.



3. About code

Thonny programming

```
import machine
import utime
led_onboard = machine.Pin(25, machine.Pin.OUT)
while True:
    led_onboard.value(1)
    utime.sleep(5)
    led_onboard.value(0)
    utime.sleep(5)
```

Program explanation:

import machine

This machine library contains the instructions needed by MicroPython to communicate with Pico and other devices.

import utime

This library handles all things related to time.

led_onboard = machine.Pin(25, machine.Pin.OUT)

The first parameter, 25, the number of pins to be set.
The second parameter, machine.Pin.OUT sets the pin mode.

utime.sleep(5)

Call the sleep function from the utime library, unit 5s.

4. Experimental phenomenon

After the program is downloaded, we can see the LED light on the Raspberry Pi Pico board flashes every 5 seconds.