

Pico Base A1 User Guide



RESET Button

... 1 port

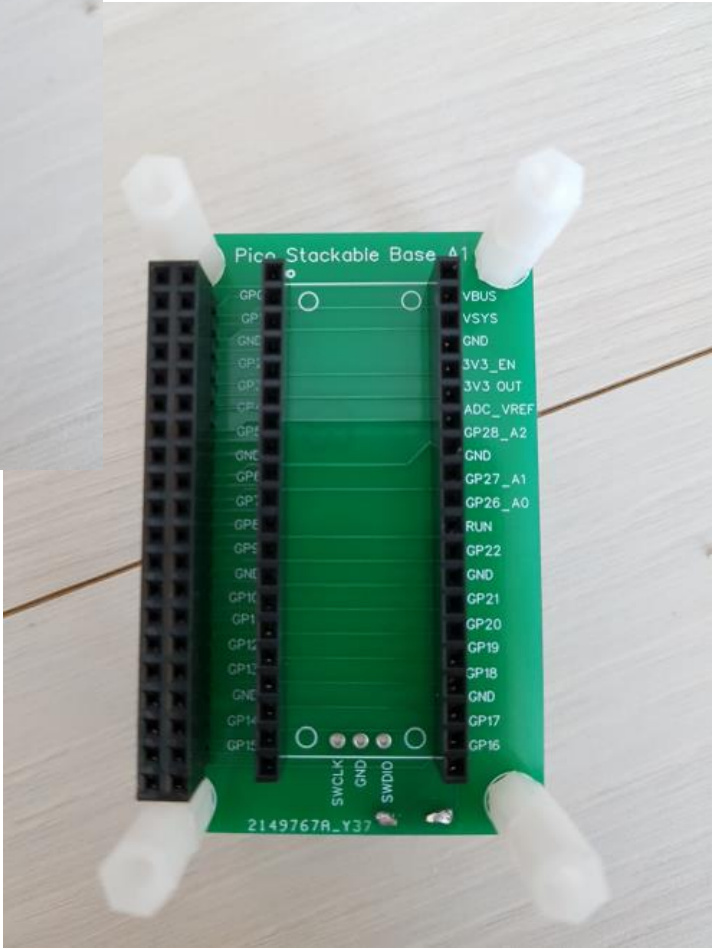
Raspberry Pi Pico (Soldered two 1x20 Pins)

1. Hardware Setup

a) PCBA (PCB Assembled)



Top Side



Bottom Side

b) Raspberry Pi Pico Assembly



Top Side



Bottom Side



2. MicroPython Test with Thonny IDE

a) MicroPython Unit Test Code

CpuTemperature.py

```
MicroPython v1.17 on 2021-09-02; Raspberry Pi Pico with RP2040  
Type "help()" for more information.
```

```
>>> %Run -c $EDITOR_CONTENT
```

```
MCU Clock Speed : 125 MHz  
MCU Temperature : 16.27709°C  
MCU Temperature : 17.21338°C  
MCU Temperature : 16.74523°C  
MCU Temperature : 16.74523°C
```



GP25_BoardLed.py

MCUSpeedTest.py

```
MicroPython v1.17 on 2021-09-02; Raspberry Pi Pico with RP2040  
Type "help()" for more information.
```

```
>>> %Run -c $EDITOR_CONTENT
```

```
100 MHz : 209 93 94 73 73  
133 MHz : 9 6 6 6 5  
150 MHz : 6 5 5 5 5  
200 MHz : 5 4 4 3 4  
250 MHz : 4 3 3 3 3  
125 MHz : 7 6 6 6 6
```