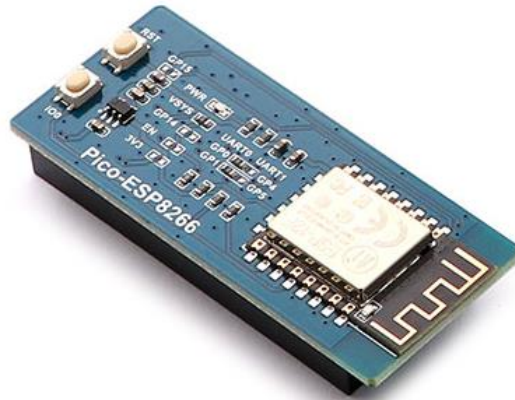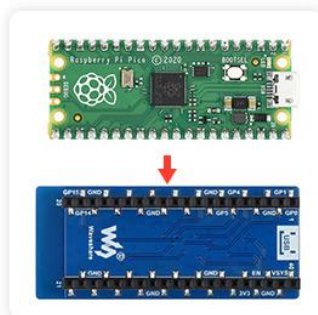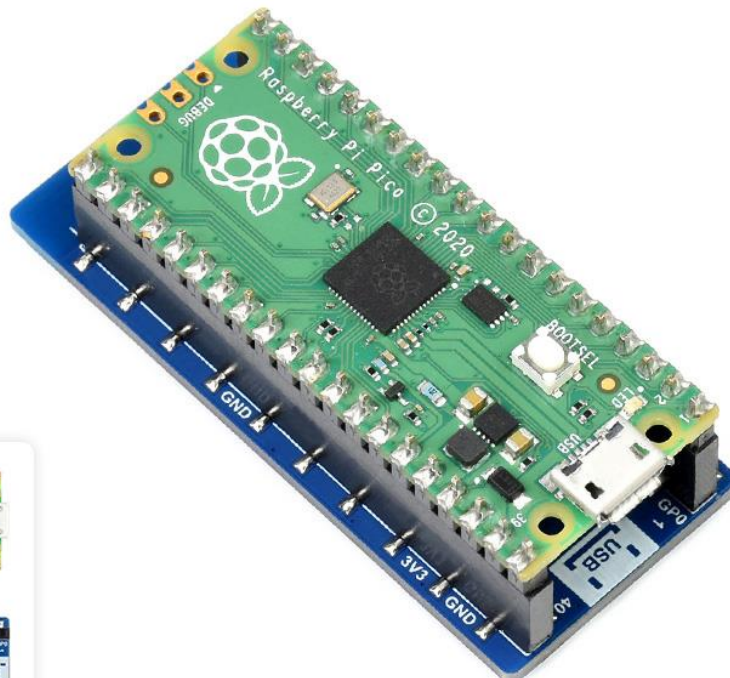# ESP8266 WiFi Module for Raspberry Pi Pico, Supports TCP/UDP Protocol

User Manual

Raspberry Pi Pico Header Compatibility:

Onboard Female Pin Header For Direct Attaching To Raspberry Pi Pico

* Please correctly connect the Module and Raspberry Pi Pico as the picture shown.

What's on Board:

Pico-ESP8266

① ② ③ ④

1. **ESP8266 module**
2. **ESP8266 reset button**
   connects to ESP8266 reset pin
3. **ESP8266 BOOT button**
   connects to ESP8266 GPIO 0, press to enter awaiting download mode while reseting
4. **SPX3819M5**
   3.3V linear regulator

Pinout Definition:

GP0	1			40	VBUS
GP1	2			39	VSYS
GND	3			38	GND
GP2	4			37	3V3_EN
GP3	5			36	3V3(OUT)
GP4	6			35	ADC_VREF
GP5	7			34	GP28
GND	8			33	GND
GP6	9			32	GP27
GP7	10			31	GP26
GP8	11			30	RUN
GP9	12			29	GP22
GND	13			28	GND
GP10	14			27	GP21
GP11	15			26	GP20
GP12	16			25	GP19
GP13	17			24	GP18
GND	18			23	GND
GP14	19			22	GP17
GP15	20			21	GP16

VSYS		5V power supply
GND		Ground
GP0	TXD 0	UART TX
GP1	RXD 0	UART RX