Raspberry Pi Pico Pinout

For **Raspberry Pi Pico 1** and **Raspberry Pi Pico 2**

LED (GP25)

USB to host

Legend

■ Power (red)	
■ Ground (dark)	
■ UART / UART (default)	
■ GPIO, PIO, and PWM	
■ ADC	
■ SPI / SPI (default)	
■ I2C / I2C (default)	
■ System Control	
■ Debugging	

Left side pins:

CM4	UART0 TX	I2C0 SDA	SPI0 RX	GP0	1
CM4	UART0 RX	I2C0 SCL	SPI0 CSn	GP1	2
				GND	3
		I2C1 SDA	SPI0 SCK	GP2	4
		I2C1 SCL	SPI0 TX	GP3	5
BME280	UART1 TX	I2C0 SDA	SPI0 RX	GP4	6
BME280	UART1 RX	I2C0 SCL	SPI0 CSn	GP5	7
BME280				GND	8
		I2C1 SDA	SPI0 SCK	GP6	9
		I2C1 SCL	SPI0 TX	GP7	10
	UART1 TX	I2C0 SDA	SPI1 RX	GP8	11
	UART1 RX	I2C0 SCL	SPI1 CSn	GP9	12
				GND	13
		I2C1 SDA	SPI1 SCK	GP10	14
		I2C1 SCL	SPI1 TX	GP11	15
	UART0 TX	I2C0 SDA	SPI1 RX	GP12	16
	UART0 RX	I2C0 SCL	SPI1 CSn	GP13	17
				GND	18
		I2C1 SDA	SPI1 SCK	GP14	19
		I2C1 SCL	SPI1 TX	GP15	20

Right side pins:

40	VBUS				
39	VSYS				
38	GND				
37	3V3_EN				
36	3V3(OUT)		BME280 + Max31865		
35	ADC_VREF				
34	GP28	ADC2			
33	GND	AGND			
32	GP27	ADC1	I2C1 SCL		
31	GP26	ADC0	I2C1 SDA		
30	RUN				
29	GP22				
28	GND				
27	GP21		I2C0 SCL		
26	GP20		I2C0 SDA		
25	GP19	SPI0 TX	I2C1 SCL		MAX31865
24	GP18	SPI0 SCK	I2C1 SDA		MAX31865
23	GND				MAX31865
22	GP17	SPI0 CSn	I2C0 SCL	UART0 RX	MAX31865
21	GP16	SPI0 RX	I2C0 SDA	UART0 TX	MAX31865

Debug pins:

SWCLK | GND | SWDIO