Raspberry Pi Pico Pinout

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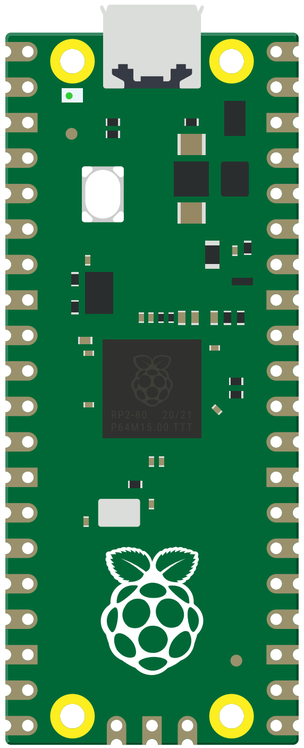
☐ Advanced ☐ Rear View ☐ Upside-down

☑ SPI ☑ I2C ☑ UART



UART0 TX	I2C0 SDA	SPI0 RX	GP0	1	40	VBUS 5V			
UART0 RX	I2C0 SCL	SPI0 CSn	GP1	2	39	VSYS 5V*			
			Ground	3	38	Ground			
	I2C1 SDA	SPI0 SCK	GP2	4	37	3V3 En			
	I2C1 SCL	SPI0 TX	GP3	5	36	3V3 Out			
UART1 TX	I2C0 SDA	SPI0 RX	GP4	6	35	ADC VRef			
UART1 RX	I2C0 SCL	SPI0 CSn	GP5	7	34	GP28 A2	SPI1 RX		
			Ground	8	33	ADC Gnd			
	I2C1 SDA	SPI0 SCK	GP6	9	32	GP27 A1	SPI1 TX	I2C1 SCL	
	I2C1 SCL	SPI0 TX	GP7	10	31	GP26 A0	SPI1 SCK	I2C1 SDA	
UART1 TX	I2C0 SDA	SPI1 RX	GP8	11	30	RUN			
UART1 RX	I2C0 SCL	SPI1 CSn	GP9	12	29	GP22			
			Ground	13	28	Ground			
	I2C1 SDA	SPI1 SCK	GP10	14	27	GP21	SPI0 CSn	I2C0 SCL	UART1 RX
	I2C1 SCL	SPI1 TX	GP11	15	26	GP20	SPI0 RX	I2C0 SDA	UART1 TX
UART0 TX	I2C0 SDA	SPI1 RX	GP12	16	25	GP19	SPI0 TX	I2C1 SCL	
UART0 RX	I2C0 SCL	SPI1 CSn	GP13	17	24	GP18	SPI0 SCK	I2C1 SDA	
			Ground	18	23	Ground			
	I2C1 SDA	SPI1 SCK	GP14	19	22	GP17	SPI0 CSn	I2C0 SCL	UART0 RX
	I2C1 SCL	SPI1 TX	GP15	20	21	GP16	SPI0 RX	I2C0 SDA	UART0 TX

Pi Pinout | Pico Pinout | Pico W Pinout | Pico 2 Pinout | Pico 2 W Pinout

Pico Datasheet | RP2040 Datasheet | Getting Started Guide | Forum | Discord

This interactive, accessible & beautiful GPIO pinout and pin function guide for the Raspberry Pi Pico is maintained by @Gadgetoid.

Want to help out? Send a PR, or toss me some coin via Ko-Fi, GitHub or Patreon.