Raspberry Pi Pico Pinout

Legend

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

LED (GP25)

LED

USB

BOOTSEL

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DEBUG

				Pin		Pin				
UART0 TX	I2C0 SDA	SPI0 RX	GP0	1	40	VBUS				
UART0 RX	I2C0 SCL	SPI0 CSn	GP1	2	39	VSYS				
			GND	3	38	GND				
	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	ADC2			
			GND	8	33	GND	AGND			
	I2C1 SDA	SPI0 SCK	GP6	9	32	GP27	ADC1	I2C1 SCL		
	I2C1 SCL	SPI0 TX	GP7	10	31	GP26	ADC0	I2C1 SDA		
UART1 TX	I2C0 SDA	SPI1 RX	GP8	11	30	RUN				
UART1 RX	I2C0 SCL	SPI1 CSn	GP9	12	29	GP22				
			GND	13	28	GND				
	I2C1 SDA	SPI1 SCK	GP10	14	27	GP21	I2C0 SCL			
	I2C1 SCL	SPI1 TX	GP11	15	26	GP20	I2C0 SDA			
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		
			GND	18	23	GND				
	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	

SWCLK GND SWDIO

Raspberry Pi