

Pi Pico W with Grove Shield

Pinout Diagram for CircuitPython running on Pi Pico W

The diagram illustrates the pinout of the Raspberry Pi Pico W, highlighting digital and analog pins. The board features two main sets of pins: DIGITAL and ANALOG.

DIGITAL Pins:

- SPI0:** GND, SCK, TX, RX, CS
- UART0:** RX, TX, UCC, GND
- UART1:** RX, TX, UCC, GND
- D16:** GP16, GP17
- D17:** GP17, GP16
- D18:** GP18, GP19
- D19:** GP19, GP18
- D20:** GP20, GP21
- D21:** GP21, GP20

ANALOG Pins:

- I2C0:** 5V, USYS, VCC, GND, 3V3, EN, ADC, VREF, GP28, SCL, SDA, GND
- I2C1:** 5V, VCC, GND, 3V3, SCL, SDA, UCC, GND
- A0:** GP27, GP26, RUN, SCL, SDA, UCC, GND
- A1:** GP22, GP21, A0, NC, GND, 3V3, SCL, SDA, UCC, GND
- A2:** GP20, GP19, A1, A0, GND, 3V3, SCL, SDA, UCC, GND

Other Labels: BOOTSEL, DEBUG, SWCLK, GND, SWDIO

Notes:

- (1) Pins marked with a ~ can generate PWM signals without restrictions.
 - (2) An inner pin is marked grey whenever it also serves as primary pin in the header above. Using a pin in one header makes it unusable in another.