

<https://wiki.seeedstudio.com/Seeeduino-XIAO-Expansion-Board/>

The diagram illustrates the Raspberry Pi Pico board with various components and pins labeled. The board is black with a central microcontroller. Various pins are labeled with their functions and colors: Analog (orange), Digital (green), I2C (yellow), UART (blue), Power (pink), GND (grey), and SPI (light green). The diagram shows the board's layout, including the USB port, buttons, LEDs, and various connectors. A legend at the bottom identifies the color coding for the pins.

**Legend:**

- Analog (Orange)
- Digital (Green)
- I2C (Yellow)
- UART (Blue)
- Power (Pink)
- GND (Grey)
- SPI (Light Green)

**Pin Labels:**

- Top: 5V, GND, 3V3, A10, A9, A8, A7, MOSI, MISO, SCK, RX, D10, D9, D8, D7
- Left: SWCLK, SWDIO, GND, RESET, PMIC, USB5V, G, 3V3, 10, 9, 8, 7
- Bottom: A0, A1, A2, A3, A4, A5, A6, D0, D1, D2, D3, D4, D5, D6, DAC, SDA, SCL, TX, RESET, Buzzer(A3)
- Right: RTC, SWCLK, SWDIO, 3V3, SWDIO, SWDCLK, GND, 5V, TX6, RX7, GND, 3V3, TX6, RX7, Button(D1)
- Bottom Right: A0-D0, UART, A0, D0, A7, D7

**Additional Labels:**

- 3.7V Lipo Battery

| GPIO       | 0       | 1           | 2       | 3      | 4       | 5 | 6               | 7 | 8       | 9 | 10 | SWCLK   | SWDIO | RESET  |
|------------|---------|-------------|---------|--------|---------|---|-----------------|---|---------|---|----|---------|-------|--------|
| Interface  | A0、D0   | D1          | SPI     | A3     | IIC     |   | UART            |   | SPI     |   |    | SWD     |       | RESET  |
| Components | Grove*1 | User Button | mini SD | Buzzer | Grove*2 |   | Grove*1、Headers |   | mini SD |   |    | Headers |       | Button |