

The diagram shows the pinout for the J18 Module. The pins are organized into four columns, each representing a different connector. The pins are numbered 1 through 4 for each connector. The connections are as follows:

- Column 1 (P1A, P2A, P3A, RXD1):** P1A (1), P2A (1), P3A (1), RXD1 (8).
- Column 2 (P1B, P2B, P3B, TXD1):** P1B (2), P2B (2), P3B (2), TXD1 (7).
- Column 3 (P1C, P2C, P3C, SPI0_TX):** P1C (3), P2C (3), P3C (3), SPI0_TX (6).
- Column 4 (P1D, P2D, P3D, SPI0_SCK):** P1D (4), P2D (4), P3D (4), SPI0_SCK (5).
- Column 5 (SPI0_SC):** SPI0_SC (4).
- Column 6 (SPI0_RX):** SPI0_RX (3).
- Column 7 (Vmod O):** Vmod O (1).
- Column 8 (SDA0):** SDA0 (1).
- Column 9 (SCL0):** SCL0 (2).
- Column 10 (I2C0):** I2C0 (3).
- Column 11 (+3V3):** +3V3 (4).

The schematic diagram illustrates the pin connections for the Raspberry Pi Pico board. It features two main components: U1 (Raspberry Pi Pico) and J1 (Raspberry Pi).

U1 (Raspberry Pi Pico) Pin Connections:

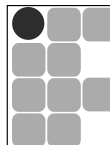
- GPIO Pins:** GP0_TX0 (1), GP1_RX0 (2), GP2 (4), GP3 (5), GP4_SDA0 (6), GP5_SCL0 (7), GP6 (9), GP7 (10), GP8_TX1 (11), GP9_RX1 (12), GP10 (14), GP11 (15), GP12 (16), GP13 (17), GP14 (19), GP15 (20).
- Power/GND Pins:** VBUS (40), VSYS (39), GND (38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21).
- ADC Pins:** ADC_VREF (35), ADC2 (34), ADC1 (32), ADC0 (31), RUN (30).
- Other Pins:** P3D (27), P3C (26), SPI0_TX (25), SPI0_SCK (24), SPI0_SC (23), SPI0_RX (22).

J1 (Raspberry Pi) Pin Connections:

- GPIO Pins:** RXD0 (8), TXD0 (10), SWCLK (22), SWDIO (24).
- Power/GND Pins:** +5V (2), +3V3 (1).

Connections:

- SWCLK:** Connected to GP15 (U1) and J1 pin 22.
- SWDIO:** Connected to GP16 (U1) and J1 pin 24.
- Power:** +5V and +3V3 are connected to the respective power pins on both boards.



PROJECT:	Trekking
CIRCUIT:	Controle e Alimentação
COMMENT:	
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Page: 1/1

