Adafruit Feather RP2040 USB Host

https://www.adafruit.com/product/5723

Legend:
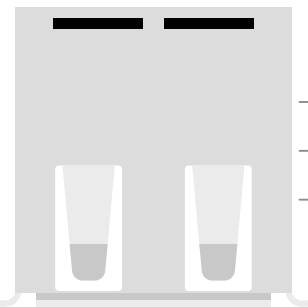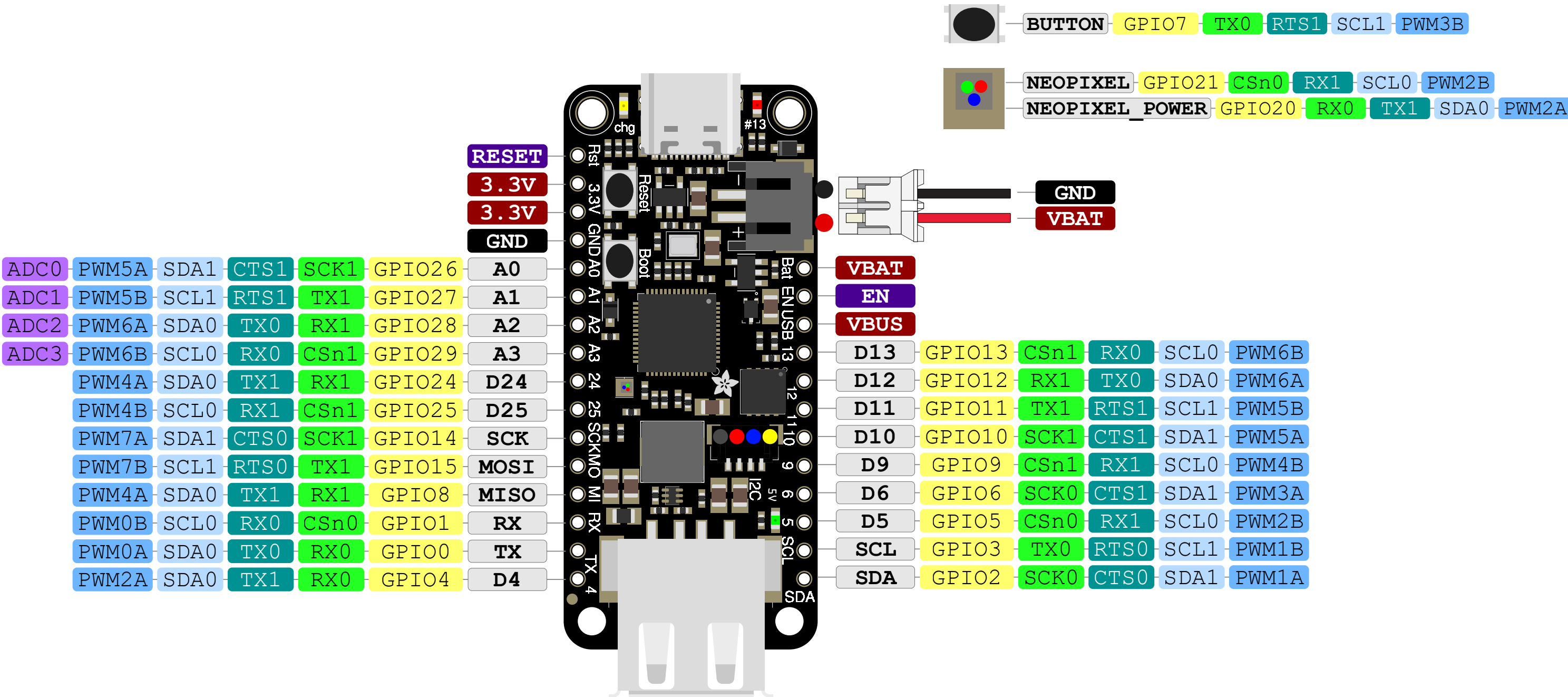- Power
- GND
- Control
- CircuitPython Name
- GPIO
- SPI
- UART
- I2C
- PWM
- ADC

The Raspberry Pi RP2040 is a dual ARM Cortex-M0+ running at up to 133MHz with 264kB on-chip SRAM and built in USB. Flash memory is provided by external QSPI chip. All GPIO is 3.3V in/out max unless otherwise stated.

BUTTON	GPIO7	TX0	RTS1	SCL1	PWM3B
NEOPIXEL	GPIO21	CSn0	RX1	SCL0	PWM2B
NEOPIXEL_POWER	GPIO20	RX0	TX1	SDA0	PWM2A

Left side pins:

ADC	PWM	I2C	UART	SPI	GPIO	Name
						RESET
						3.3V
						3.3V
						GND
ADC0	PWM5A	SDA1	CTS1	SCK1	GPIO26	A0
ADC1	PWM5B	SCL1	RTS1	TX1	GPIO27	A1
ADC2	PWM6A	SDA0	TX0	RX1	GPIO28	A2
ADC3	PWM6B	SCL0	RX0	CSn1	GPIO29	A3
	PWM4A	SDA0	TX1	RX1	GPIO24	D24
	PWM4B	SCL0	RX1	CSn1	GPIO25	D25
	PWM7A	SDA1	CTS0	SCK1	GPIO14	SCK
	PWM7B	SCL1	RTS0	TX1	GPIO15	MOSI
	PWM4A	SDA0	TX1	RX1	GPIO8	MISO
	PWM0B	SCL0	RX0	CSn0	GPIO1	RX
	PWM0A	SDA0	TX0	RX0	GPIO0	TX
	PWM2A	SDA0	TX1	RX0	GPIO4	D4

Right side pins:

Name					
VBAT					
EN					
VBUS					
D13	GPIO13	CSn1	RX0	SCL0	PWM6B
D12	GPIO12	RX1	TX0	SDA0	PWM6A
D11	GPIO11	TX1	RTS1	SCL1	PWM5B
D10	GPIO10	SCK1	CTS1	SDA1	PWM5A
D9	GPIO9	CSn1	RX1	SCL0	PWM4B
D6	GPIO6	SCK0	CTS1	SDA1	PWM3A
D5	GPIO5	CSn0	RX1	SCL0	PWM2B
SCL	GPIO3	TX0	RTS0	SCL1	PWM1B
SDA	GPIO2	SCK0	CTS0	SDA1	PWM1A

Battery connector:

| GND | |
| VBAT | |

USB Host connector:

USB_HOST_DATA_PLUS	GPIO16	RX0	TX0	SDA0	PWM0A
USB_HOST_DATA_MINUS	GPIO17	CSn0	RX0	SCL0	PWM0B
USB_HOST_5V_POWER	GPIO18	SCK0	CTS0	SDA1	PWM1A

STEMMA QT / Qwiic connector:

SCL	GPIO2	SCK0	CTS0	SDA1	PWM1A
SDA	GPIO3	TX0	RTS0	SCL1	PWM1B
3.3V					
GND					