Adafruit Metro RP2350

https://www.adafruit.com/product/6003

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

The Raspberry Pi RP2350 is a dual ARM M33 core with 150 MHz clock rate and built in USB. Flash memory is provided by external QSPI chip.

HSTX header (left):

HSTX	PWM7B	SCL1	RTS0	TX1	GPIO15	GND / CKN
HSTX	PWM7A	SDA1	CTS0	SCK1	GPIO14	CKP
HSTX	PWM1B	SCL1	RTS0	TX0	GPIO19	D0N
HSTX	PWM1A	SDA1	CTS0	SCK0	GPIO18	D0P
HSTX	PWM0B	SCL0	RX0	CSn0	GPIO17	D1N
HSTX	PWM0A	SDA0	TX0	RX0	GPIO16	D1P
HSTX	PWM6B	SCL0	RX0	CSn1	GPIO13	D2N
HSTX	PWM6A	SDA0	TX0	RX1	GPIO12	D2P
	PWM5A	SDA1	CTS1	SCK1	GPIO26	D26
	PWM5B	SCL1	RTS1	TX1	GPIO27	D27
	PWM2B	SCL0	RX1	CSn0	GPIO21	SCL
	PWM2A	SDA0	TX1	RX0	GPIO20	SDA
						3.3V

USB HOST:

PWM8A	SDA0	TX0	RX0	GPIO32	USB_HOST_DATA_PLUS	GND
PWM8B	SCL0	RX0	CSn0	GPIO33	USB_HOST_DATA_MINUS
PWM6B	SCL0	RX0	CSn1	GPIO29	USB_HOST_5V_POWER

Power (left):
- 3.3V
- RESET
- 3.3V
- 5V
- GND
- GND
- VIN

Analog (A0-A5):

ADC1	PWM8B	SCL0	RX1	CSn1	GPIO41	A0
ADC2	PWM9A	SDA1	CTS1	SCK1	GPIO42	A1
ADC3	PWM9B	SCL1	RTS1	TX1	GPIO43	A2
ADC4	PWM10A	SDA0	TX0	RX1	GPIO44	A3
ADC5	PWM10B	SCL0	RX0	CSn1	GPIO45	A4
ADC6	PWM11A	SDA1	CTS0	SCK1	GPIO46	A5

SD / SDIO (bottom):

PWM9A	SDA1	CTS0	SCK0	GPIO34	SD_SCK
PWM9B	SCL1	RTS0	TX0	GPIO35	SD_MOSI
PWM10A	SDA0	TX1	RX0	GPIO36	SD_MISO
PWM10B	SCL0	RX1	CSn0	GPIO37	SDIO_DATA1
PWM11A	SDA1	CTS1	SCK0	GPIO38	SDIO_DATA2
PWM11B	SCL1	RTS1	TX0	GPIO39	SD_CS
ADC0	PWM8A	SDA0	TX1	RX1	GPIO40	SD_CARD_DETECT

Debug header (bottom):
- SWDIO
- GND
- SWCLK

NEOPIXEL / LED (right top):

| NEOPIXEL | GPIO25 | CSn1 | RX1 | SCL0 | PWM4B |
| LED | GPIO23 | TX0 | RTS1 | SCL1 | PWM3B |

STEMMA QT (right):

SCL	GPIO21	CSn0	RX1	SCL0	PWM2B
SDA	GPIO20	RX0	TX1	SDA0	PWM2A
3.3V					
GND					

Digital (right):

SCL	GPIO21	CSn0	RX1	SCL0	PWM2B
SDA	GPIO20	RX0	TX1	SDA0	PWM2A
3.3V					
GND					
D23	GPIO23	TX0	RTS1	SCL1	PWM3B
D22	GPIO22	SCK0	CTS1	SDA1	PWM3A
D11	GPIO11	TX1	RTS1	SCL1	PWM5B
D10	GPIO10	SCK1	CTS1	SDA1	PWM5A
D9	GPIO9	CSn1	RX1	SCL0	PWM4B
D8	GPIO8	RX1	TX1	SDA0	PWM4A
D7	GPIO7	TX0	RTS1	SCL1	PWM3B
D6	GPIO6	SCK0	CTS1	SDA1	PWM3A
D5	GPIO5	CSn0	RX1	SCL0	PWM2B
D4	GPIO4	RX0	TX1	SDA0	PWM2A
D3	GPIO3	TX0	RTS0	SCL1	PWM1B
D2	GPIO2	SCK0	CTS0	SDA1	PWM1A
TX	GPIO0	RX0	TX0	SDA0	PWM0A
RX	GPIO1	CSn0	RX0	SCL0	PWM0B

Bottom right:

BUTTON	GPIO24	RX1	TX1	SDA0	PWM4A
MISO	GPIO28	RX1	TX0	SDA0	PWM6A
5V					
SCK	GPIO30	SCK1	CTS0	SDA1	PWM7A
MOSI	GPIO31	TX1	RTS0	SCL1	PWM7B
RESET					
GND					