Multi-Protocol USB Host Adapter
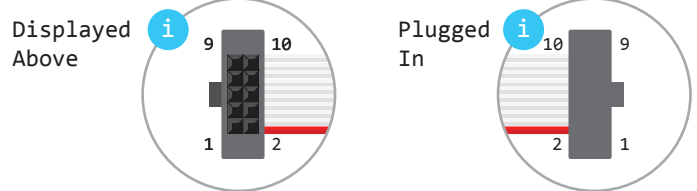
binho

Connector Pinout

9	INT	IO4	TX	MOSI		GND	10
7	INT	IO3	RX	SCK		VBUS	8
5	INT	IO2	SCL	MISO		GND	6
3	INT	IO1	DAC	SS1/INT1		3V3	4
1		IO0	SDA	SS0/INT0		GND	2

KEY
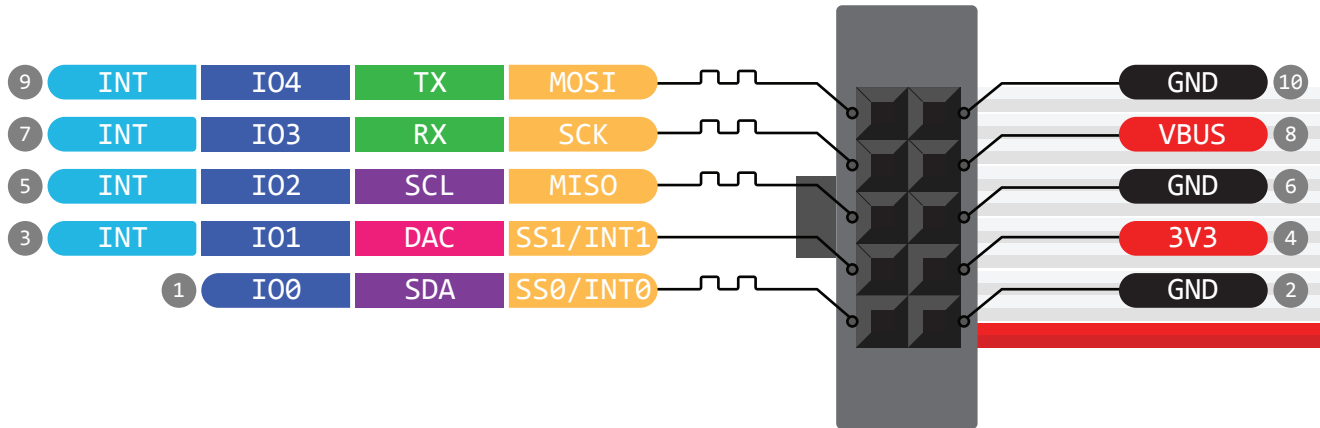
- 🟥 Power
- ⬛ GND
- 🟪 I²C
- 🟧 SPI
- 🟩 UART
- 🟦 Interrupt Capable
- 🟦 Digital IO / Analog Input
- 🟥 Analog Output

⎍⎍ PWM Capable

⚠ **Absolute** MAX per pin 10mA

🚫 GPIO pins rated for 3.3V **Never** connect them to 5V signals

VBUS Connected to 5V USB Port **Absolute** MAX 200mA

3V3 3V3 output from regulator **Absolute** MAX 100mA

Displayed Above ⓘ 9 10 / 1 2

Plugged In ⓘ 10 9 / 2 1

Pin Name	Pin Number	Pin Function(s)
IO0	1	SDA (I2C), Digital In, Digital Out, Analog In, PWM
IO1	3	Digital In, Digital Out, Analog In, Analog Out, Interrupt
IO2	5	MISO (SPI), SCL (I2C), Digital In, Digital Out, Analog In, Interrupt, PWM
IO3	7	SCK (SPI), RX (UART), Digital In, Digital Out, Analog In, Interrupt, PWM
IO4	9	MOSI (SPI), TX (UART), Digital In, Digital Out, Analog In, Interrupt, PWM
3V3	4	3.3V power rail
5V / V$_{USB}$	8	V$_{USB}$ (typically 5V) power rail
GND	2, 6, 10	Ground connection

Note: Dallas 1-WIRE and Atmel SWI (Single-Wire Interface) protocol can be configured to work with any of the five IO pins. It is especially convenient to use with IO0 and IO2 as it's possible to engage a suitable internal pull up resistor on these channels