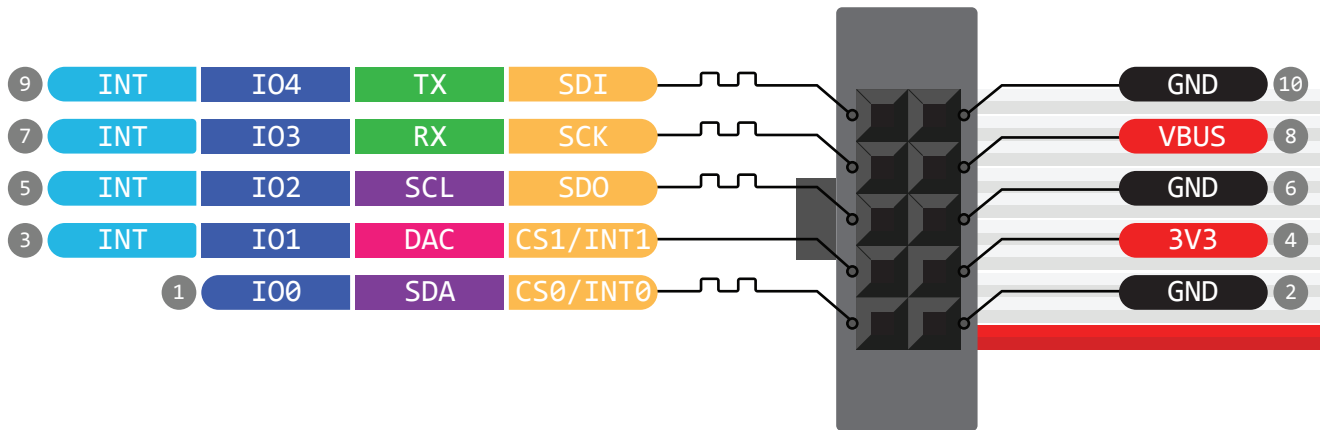


Multi-Protocol USB Host Adapter



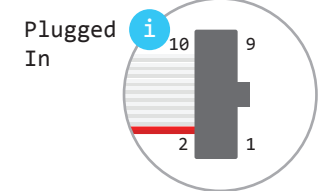
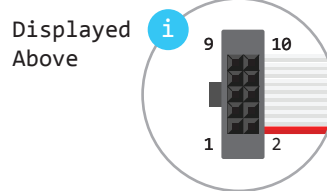
Connector Pinout



KEY

- Power (Red)
- GND (Black)
- I²C (Purple)
- SPI (Yellow)
- UART (Green)
- Interrupt Capable (Cyan)
- Digital IO / Analog Input (Blue)
- Analog Output (Pink)

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

Pin Name	Pin Number	Pin Function(s)
I00	1	SDA (I2C), Digital In, Digital Out, Analog In, PWM
I01	3	Digital In, Digital Out, Analog In, Analog Out, Interrupt
I02	5	SDO (SPI), SCL (I2C), Digital In, Digital Out, Analog In, Interrupt, PWM
I03	7	SCK (SPI), RX (UART), Digital In, Digital Out, Analog In, Interrupt, PWM
I04	9	SDI (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 I00 and I02 as it's possible to engage a suitable internal pull up resistor on these channels