Multi-Protocol USB Host Adapter

Connector Pinout

**Pin Name** | **Pin Number** | **Pin Function(s)**
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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.