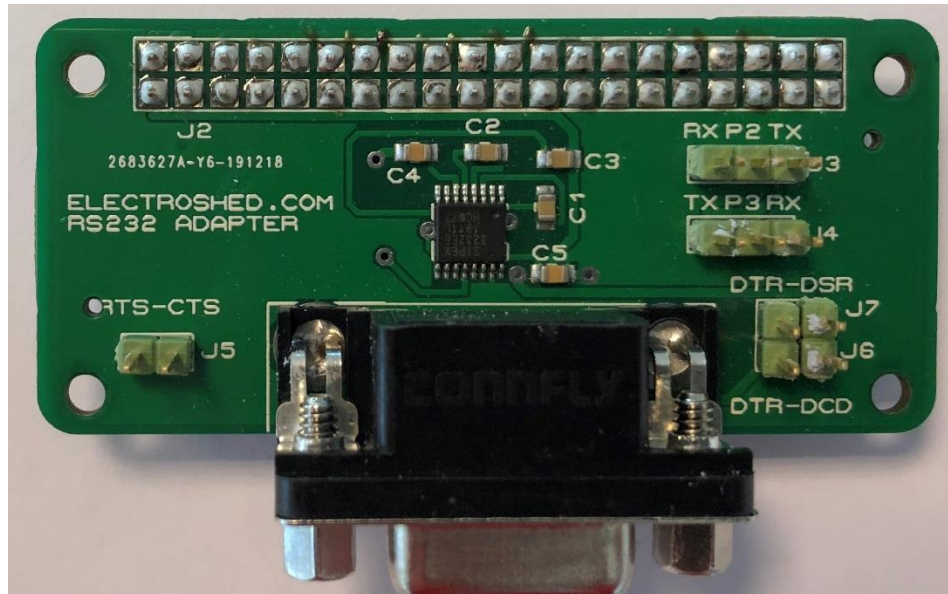


Raspberry Pi RS232 Hat



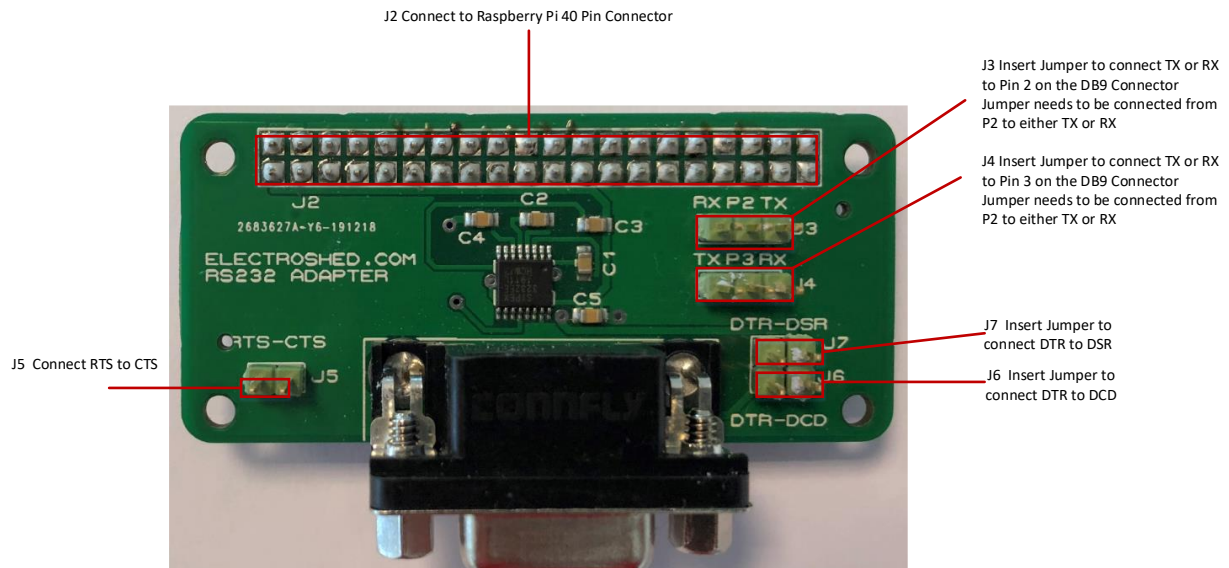
Raspberry Pi RS232 Hat Features

- Level Translation to RS232 Levels
- DB9 Female connector to allow quick connection to USB to serial converters
- Jumper selectable handshaking RTS-CTS, DTR-DSR, DTR to DCD
- Pin Swappable TX/RX connections to allow for use of straight through cables or crossover cables.

The raspberry pi RS232 hat board is designed to allow a raspberry pi to communicate from its internal Uart AMA0 with other devices at RS232 line levels, typical applications include

- Connecting a Raspberry pi to a PC via RS232
- Using the Raspberry pi as a terminal device
- Communicating with RS232 peripherals

Quick Jumper Setting Diagram



Jumper Settings

TX-RX Direction setting	
Jumper	Function
J3	Connects Pin 2 on the DB9 connector to either RX or TX to allow for different cable types
J4	Connects Pin 3 on the DB9 connector to either RX or TX to allow for different cable types
Handshaking Control	
J5	Connect J5 to connect RTS to CTS at the DB9 connector used if hardware handshaking is needed.
J6	Connect J6 to connect DCD to DTR at the DB9 connector
J7	Connect J7 to connect DSR to DTR at the DB9 connector

Schematic

