

CH340C USB TO UART BRIDGE Documentation

August 8, 2020

Project Overview

The CH340C USB TO UART BRIDGE is a USB to serial converter based on the CH340C IC that can be configured to either work with +3.3V or +5V logic using the VCC SELECT pin headers. It also uses a type C port for the USB connection and has a separate +3.3V voltage regulator.

The project is open-source hardware and designed with KiCad which makes it a lot easier for the user to modify.

Project site where the design files and schematic can be found:

<https://github.com/Chromico/USB-TO-UART-BRIDGE>

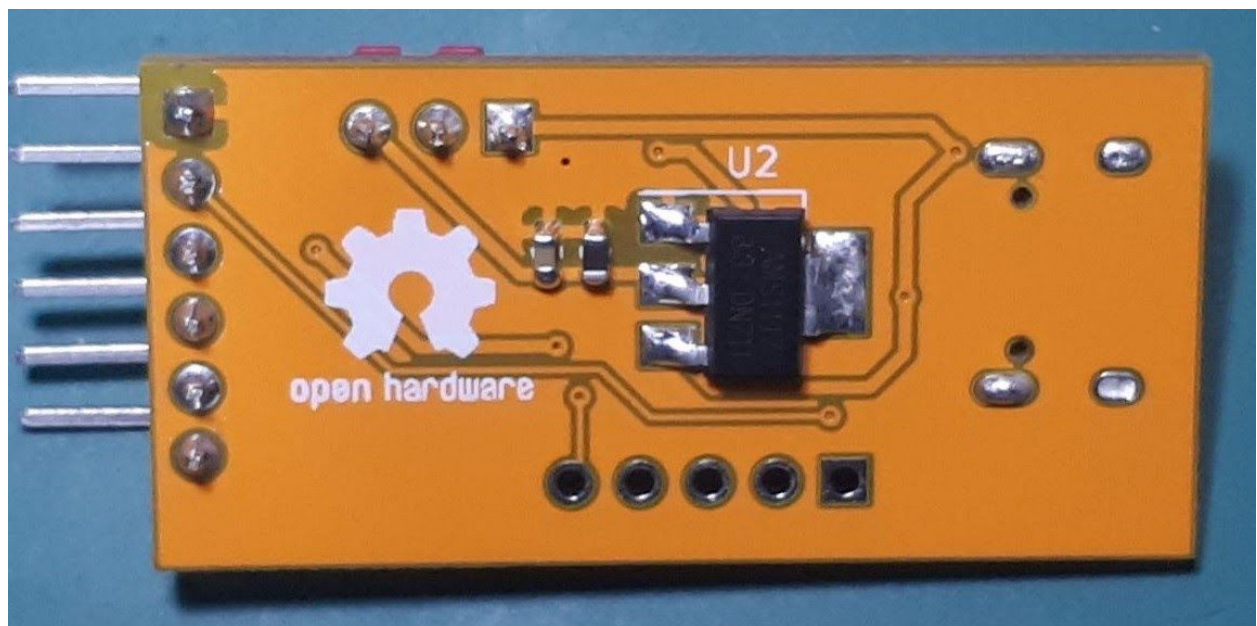
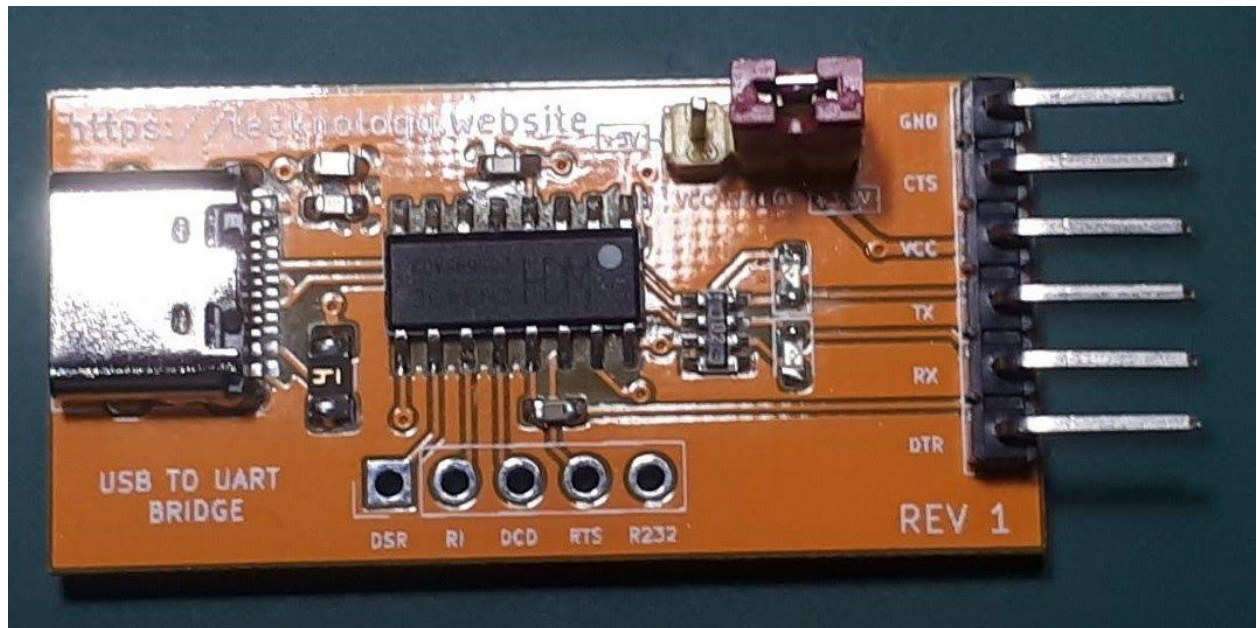
CH340C datasheet:

https://datasheet.lcsc.com/szlcsc/1811111513_WCH-Jiangsu-Qin-Heng-CH340C_C84681.pdf

Official CH340C Drivers from the manufacturer:

http://www.wch.cn/downloads/CH341SER_EXE.html

Final Board Pics



Specifications

- USB Type C connector for communication
- PTC Fuse on USB port power input
- AMS1117 3.3V LDO regulator
- PCB size (18.974 mm x 38.735 mm)

