



BB-CH340T



**USB TO SERIAL CONVERTER WITH CH340T IC,
SUITABLE FOR BREADBOARDING**



OSHW design released under Apache 2.0 License

FEATURES

- Implements CH340
- Fully open hardware design
- USB mini connector - USB 2.0 Full Speed compatible
- Serial interface with variable baud rate - 50 bps to 2Mbps
- Breadboard-friendly - 4 pin 0.1" header
- Extracts power from the USB - can provide either up to 80mA@3.3V or up to 450mA@5V
- 3.3V or 5V output controlled by an SMT jumper - soldered by default to 3.3V
- Serial datalines (RXD and TXD) kept at same voltage levels as the selected voltage output
- PCB dimensions: (1000x1050)mil ~ (25.5x26.5)mm

DOCUMENTS

- [CH340 datasheet](#)

HARDWARE

- [KiCAD schematic and board files](#)
- [Schematic in PDF format](#)

SOFTWARE

- [Driver for Windows](#) (Linux doesn't need drivers and works automatically)