

BB-CH340T



BB-CH340T is [OSHW certified](#) Open Source Hardware with UID BG000069.

USB <-> serial converter with 3.3V or 5V voltage selection (both powering and serial lines)

FEATURES

- Implements CH340, popular chip with good software support
- 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: (1000 x 1050)mil ~ (25.5 x 26.5)mm

DOCUMENTS

- [CH340 datasheet](#)
- [BB-CH340T European Declaration of Conformity](#)
- [BB-CH340T UKCA Declaration of Conformity](#)

HARDWARE

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

SOFTWARE

- [Driver installer for Windows](#)
- [High-speed driver for Linux](#)
- [Driver for Mac](#)
- [Driver for Android](#)