UNTESTED

USB-to-UART

VDD VDD VDD VDD VDDA VDDA VDDA VDDA

6 ✕
5 RXa
4 TXa
3
2 ✕
1

J1

D1 LED
R1 1K

C1
100nF

U1 FOD8012

1 VDD1   VDD2 8
2 OUTa   INa 7 RXb
RXa
3 INb   OUTb 6 TXb
TXa
4 GND1   GND2 5

C2
100nF

D2 LED
R2 1K

UART-to-Device

6 ✕
5 RXb
4 TXb
3
2 ✕
1

J3

GND GND GND GND GNDA GNDA GNDA GNDA

Power
2
1

J2

VDD

GND

Should fit CH340G USB-to-UART modules
(6 pin versions with 3V3/5V switch).

VDDA

2 Power
1

J4

GNDA