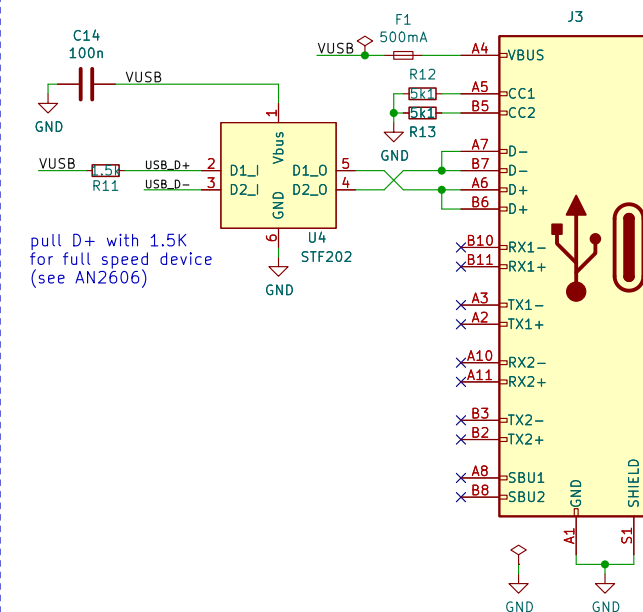
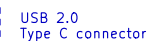


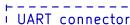
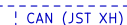
- * CAN interface
- * USB-C connector
- * Dual JST CAN connector for daisy chain
- * Dual Picoblade CAN connector for daisy chain
- * Standard SLCAN protocol (virtual serial port)
- * Supports USB flashing through DFU
- * Can power the CAN bus devices
- * UART connector for USB – Serial adapter functionality
- * SWD output can be used as a debugger with Black Magic Probe firmware (software TBD)
- * Costs < 20 USD in components.

- 1 - Initial implementation
- 2 - Add a missing trace for one LED
- 3 - USB-C, design for automated assembly, SWD out, replaced CAN transceiver for one provided by PCB assembler



Pinout diagram for the J8 Picoblade connector:

- Pin 1: +3.3V
- Pin 2: GND
- Pin 3: OUT_NRST (100 Ohm resistor)
- Pin 4: OUT_SWDIO (100 Ohm resistor)
- Pin 5: OUT_SWCLK (100 Ohm resistor)
- Pin 6: UART2_RX (100 Ohm resistor)
- Pin 7: UART2_TX (100 Ohm resistor)



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|-----|
| CAN bus
| 5V detection

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Club Vaudois de Robotique Autonome

Title: CAN to USB interface

Size: A4	Date: 2021-02-02
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Rev: 3
Id: 1/1