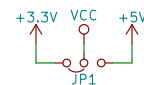
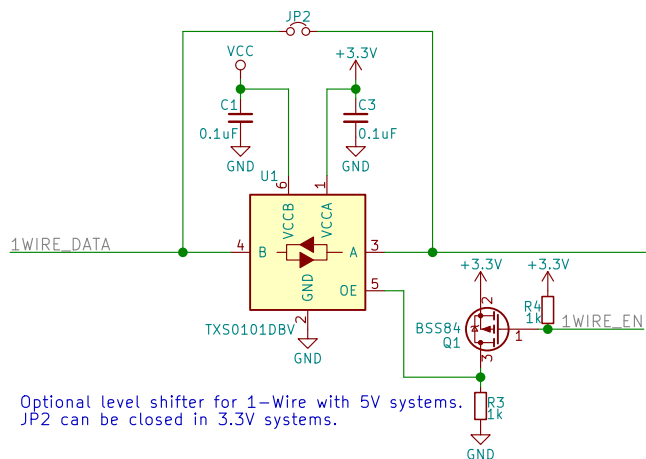




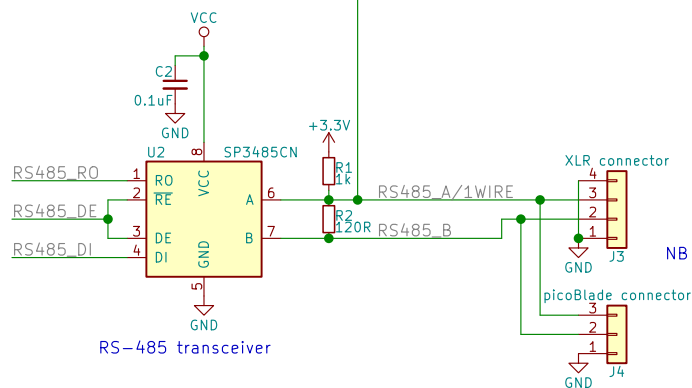
I/O compatible with Teensy layout, can be used with any 5V / 3.3V system.  
5V input is not needed for 3.3V systems.



System 5V/3.3V selection jumper  
/!\ 5V systems : use a compatible RS485 transceiver !



Optional level shifter for 1-Wire with 5V systems.  
JP2 can be closed in 3.3V systems.



RS-485 transceiver

NB : 3.3V-referenced differential bus. See TMC5130 datasheet Fig. 5.2.  
The 1-Wire EEPROM is connected to the A signal.



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Tom Magnier

Sheet: /  
File: Farfadet\_differential\_transceiver.sch

Title: Farfadet – Differential transceiver for uC

Size: A4 Date: 2018-01-25  
KiCad E.D.A. kicad 4.0.7

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