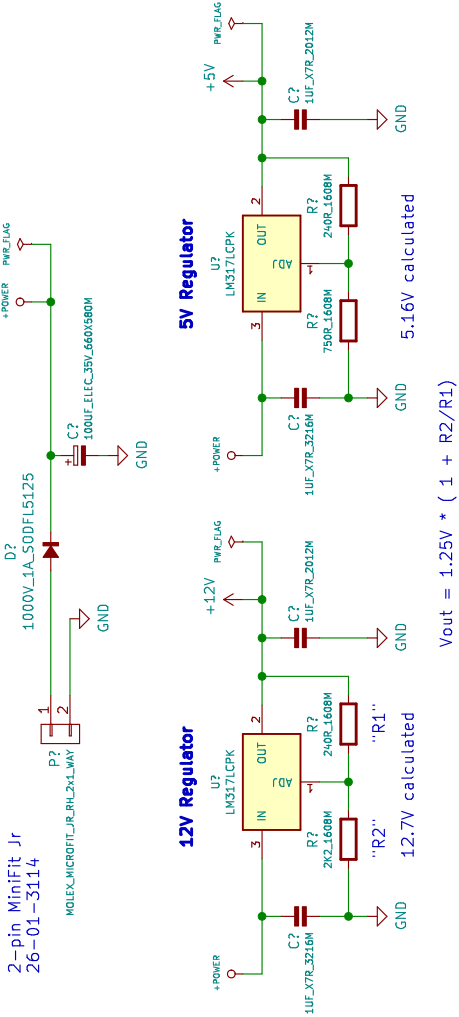
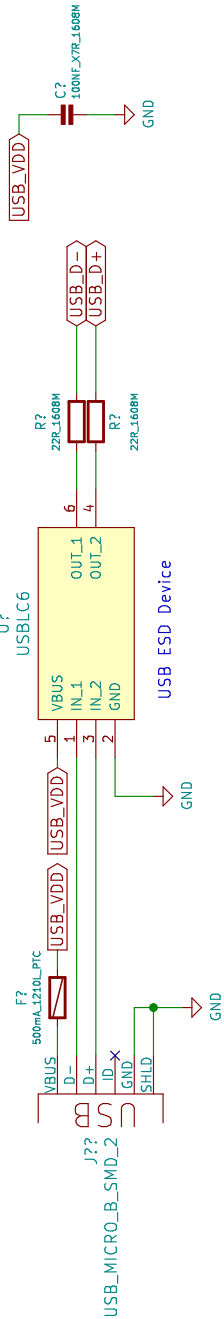


Power Input & Regulation

The SC4-Hub from Teknic uses nice isolated DC-DC supplies and assumes 24V in. This board is slightly simpler and input filtering will be reduced slightly. Regulation is designed to support 13-24V input power and 'should' handle 30V.

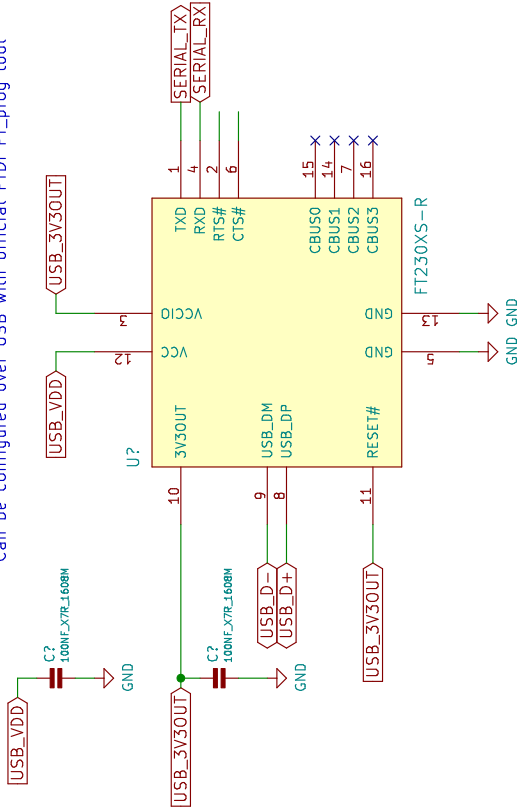


USB Input & Protection



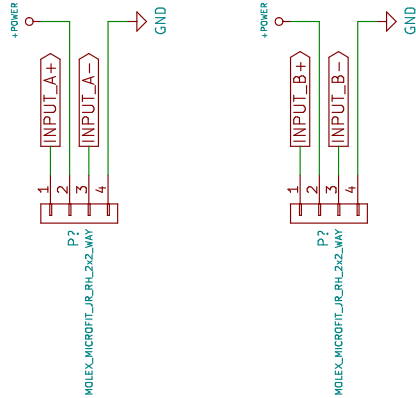
USB / Serial Converter

Provides 'driverless' USB serial adaptor for Windows/OSX/*nix.
Can be configured over USB with official FTDI FLProg tool

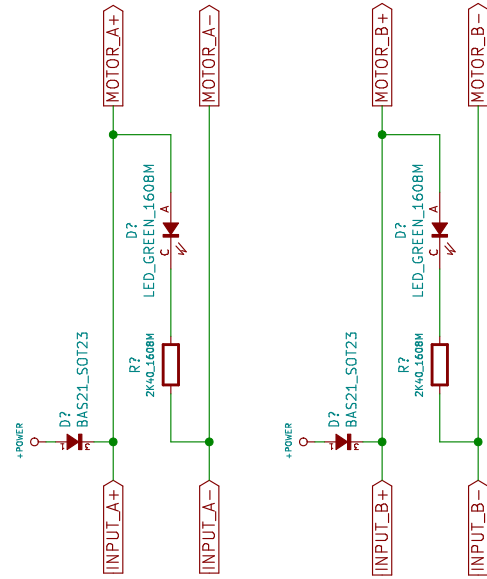


IO Inputs

4-pin MiniFit Jr per each channel
26-01-3115

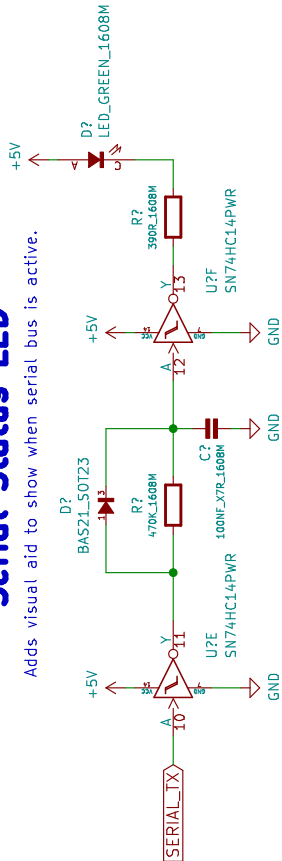


Aux IO State Indication

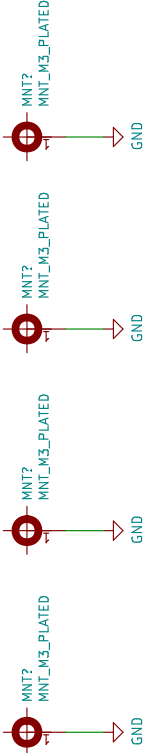


Serial Status LED

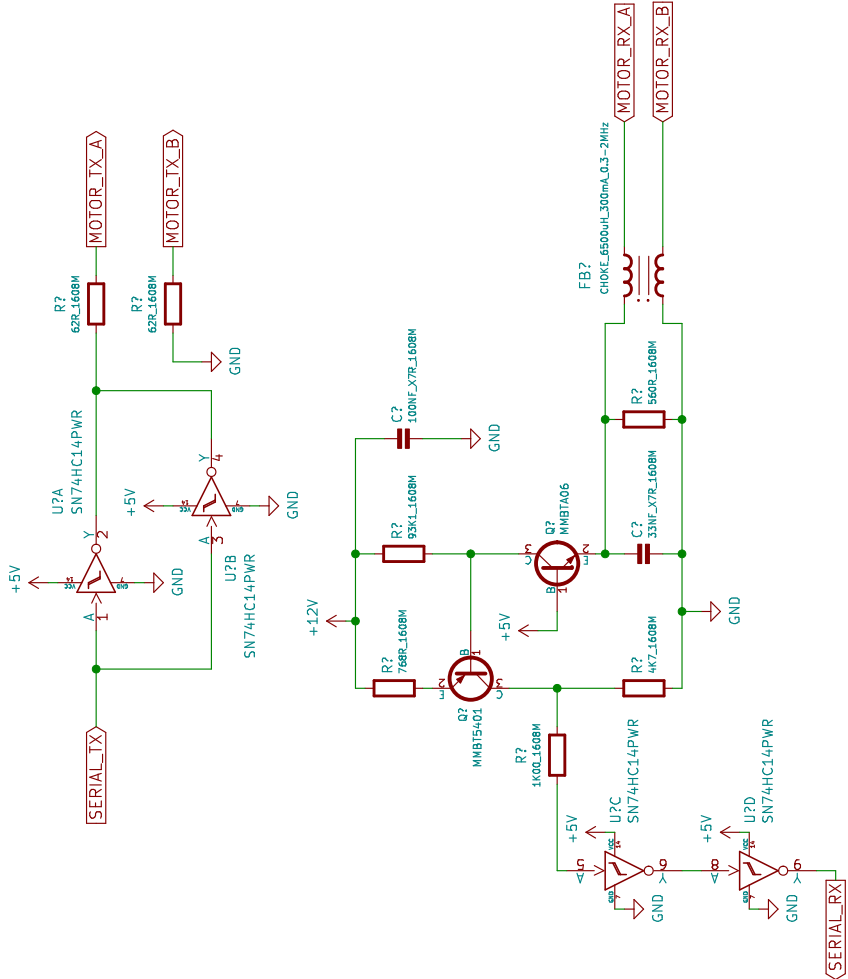
Adds visual aid to show when serial bus is active.



Mounts and Misc

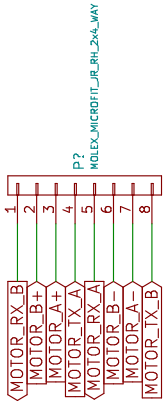


Hardened & Filtered Serial Connection



Clearpath IO Connection

8-pin MiniFit Jr
26-01-3144



Single Channel Variant of Teknic's SC4-Hub
Single Clearpath-SC Connection
Use USB with sFoundation software or ClearView to drive

Scott Rapson

Sheet: /
File: clearpath-sc-single-channel.sch

Title: Single Channel Clearpath SC IO Board

Size: A3 | Date: 2017-09-25

KiCad E.D.A. | kicad no-vcs-found

Rev: 1.0

Id: 1/1