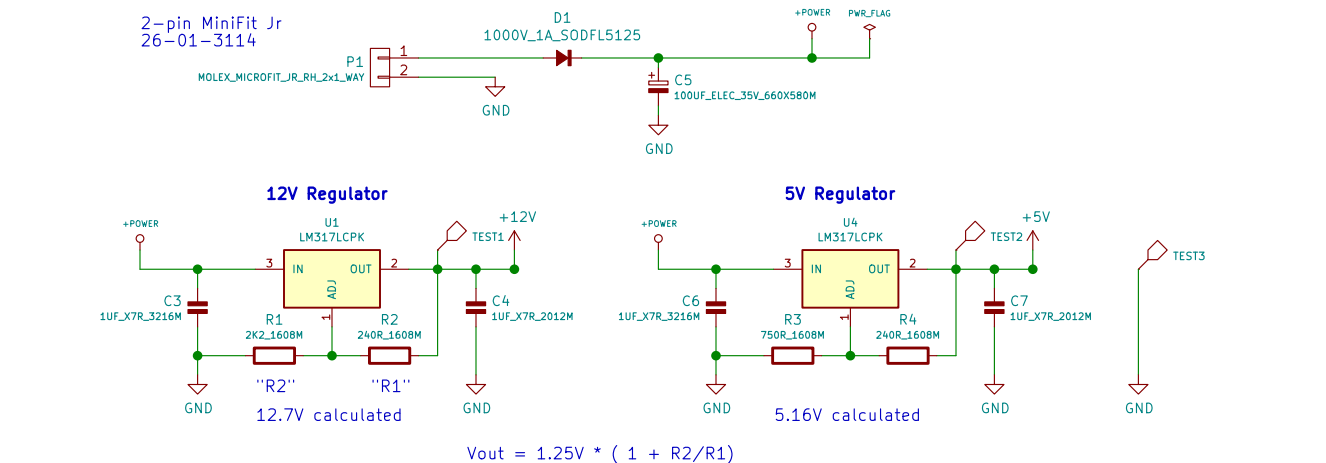
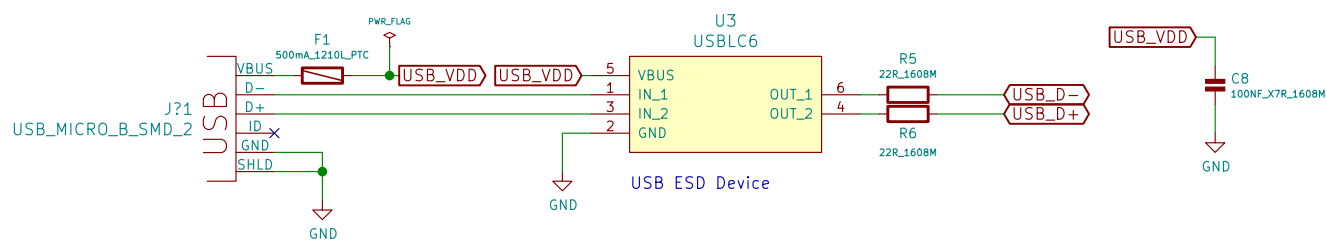


## Power Input & Regulation

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.

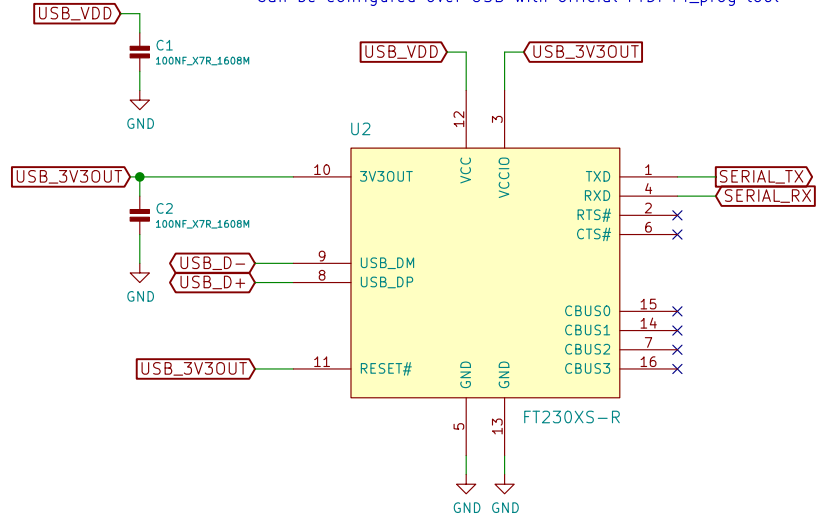


## USB Input & Protection

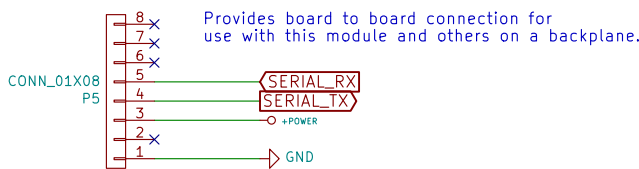


## USB / Serial Converter

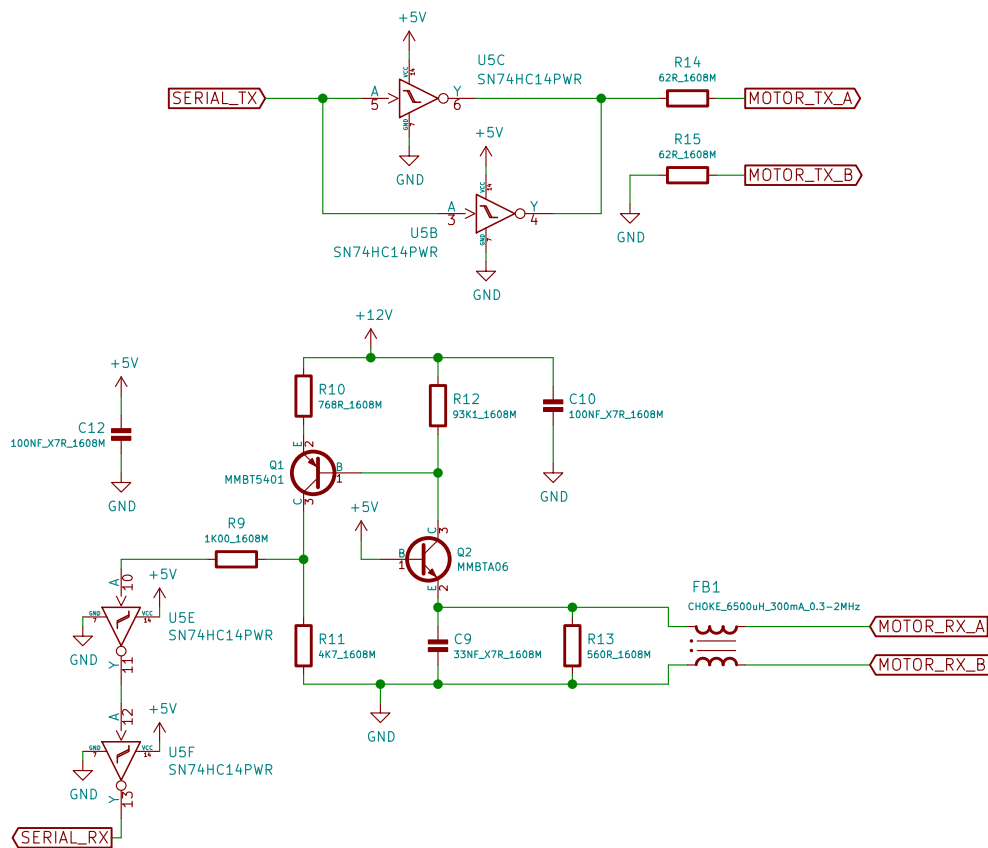
Provides 'driverless' USB serial adaptor for Windows/OSX/\*nix. Can be configured over USB with official FTDI FT\_prog tool



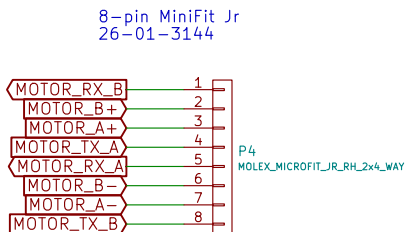
## Standard AUX Connection



## Hardened & Filtered Serial Connection

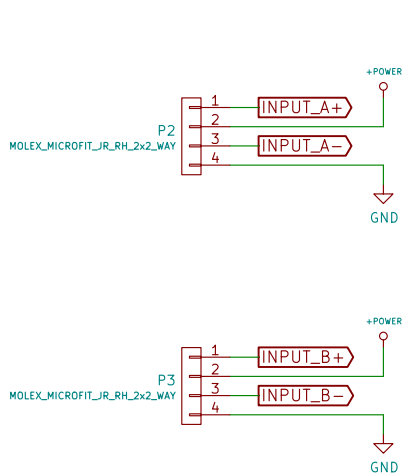


## Clearpath IO Connection

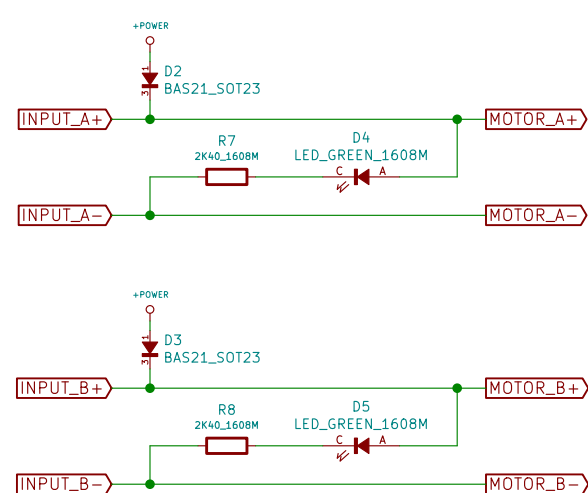


## IO Inputs

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

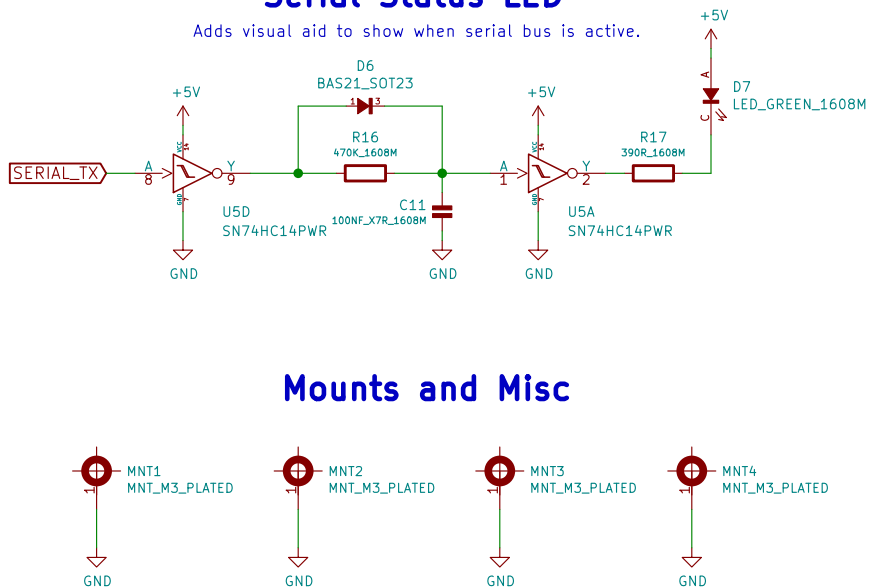


## Aux IO State Indication

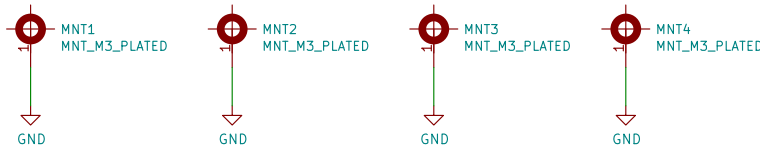


## Serial Status LED

Adds visual aid to show when serial bus is active.



## Mounts and Misc



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