

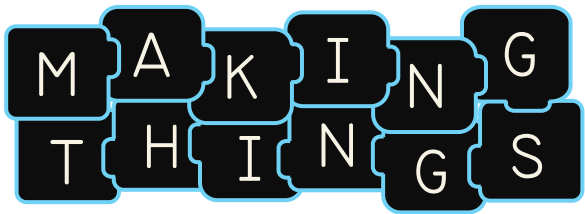
Make Interface Board v0.1

The Make Interface Board provides easy access to all the available signals on the Make Controller Board in a small footprint. The peripherals (serial, twi, spi, can) are brought out to the edge of the board in groups for easy interfacing.

There are 15 free IO pins, and the pins for each of the peripherals can be used as general IO pins if they're not used as peripherals, offering a total of 35 IO pins + 4 dedicated analog inputs, in addition to Ethernet and USB.

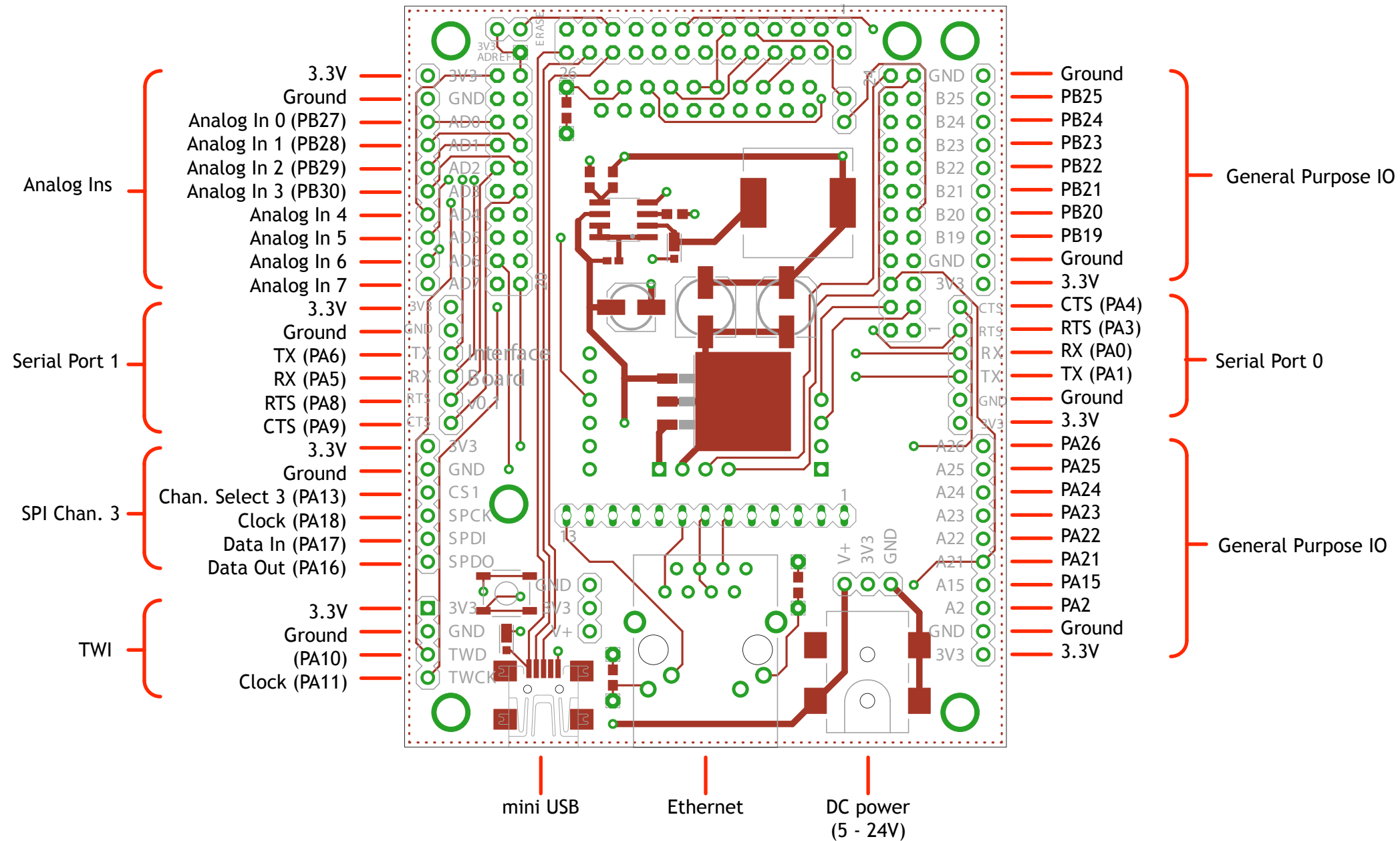
Errata:

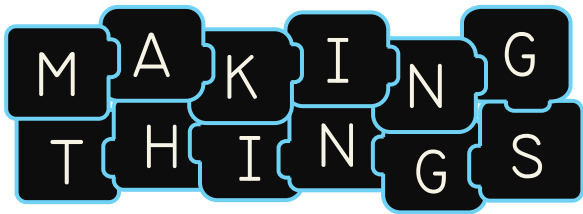
- there exists a power supply circuit on the board using the MC34063. This circuit is not stable and the simple regulator (U2) should be used instead. In addition to the regulator, only an input cap (C2) and output cap (C3) are required.
- pin J2.12 on the connector to the Make Controller needs to be snipped. This is connected to GND on the interface board, but should be a no connect.
- SPI channel 3 is marked as 'CS1' on the board...should be 'CS3'.



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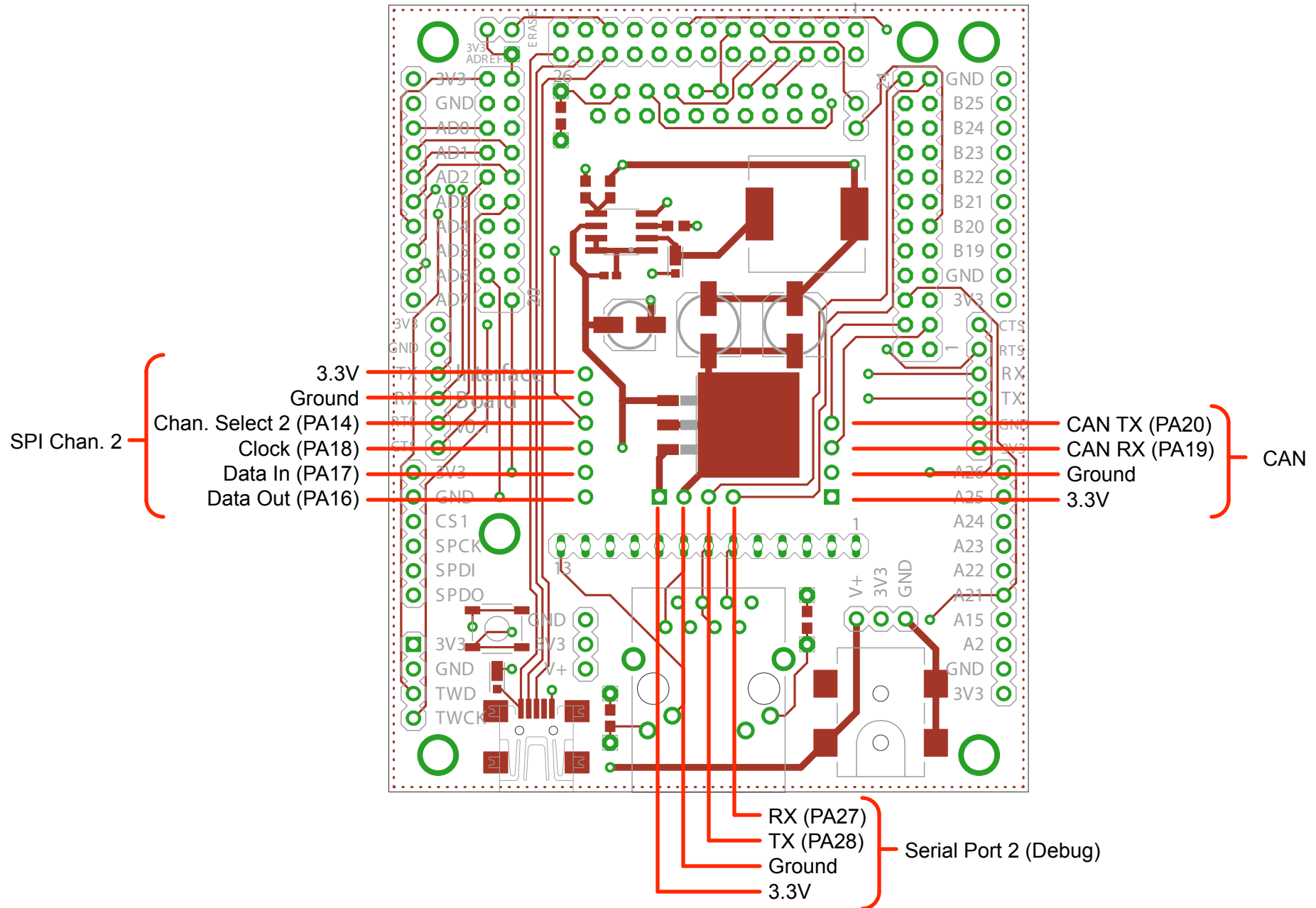
Topside Layout

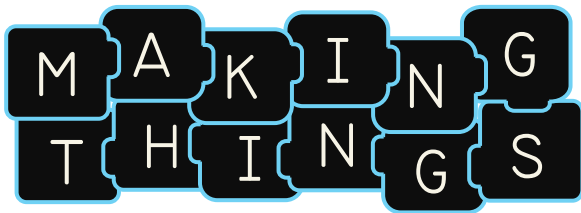




Make Interface Board v0.1

Underside Layout

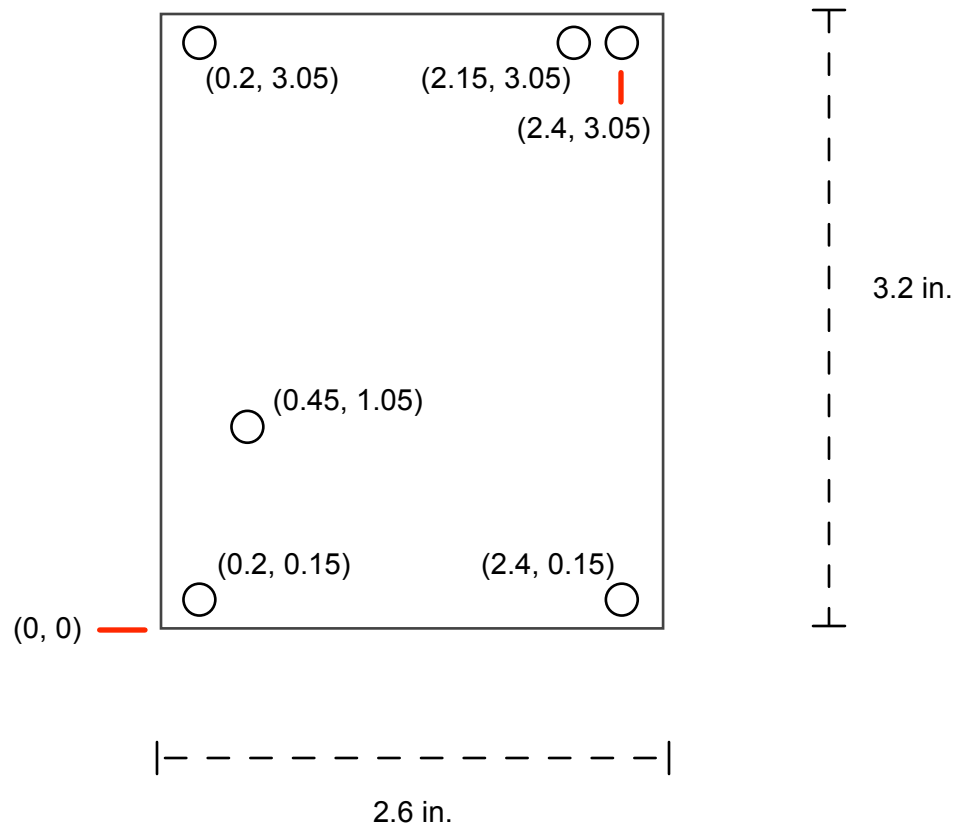


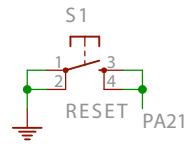
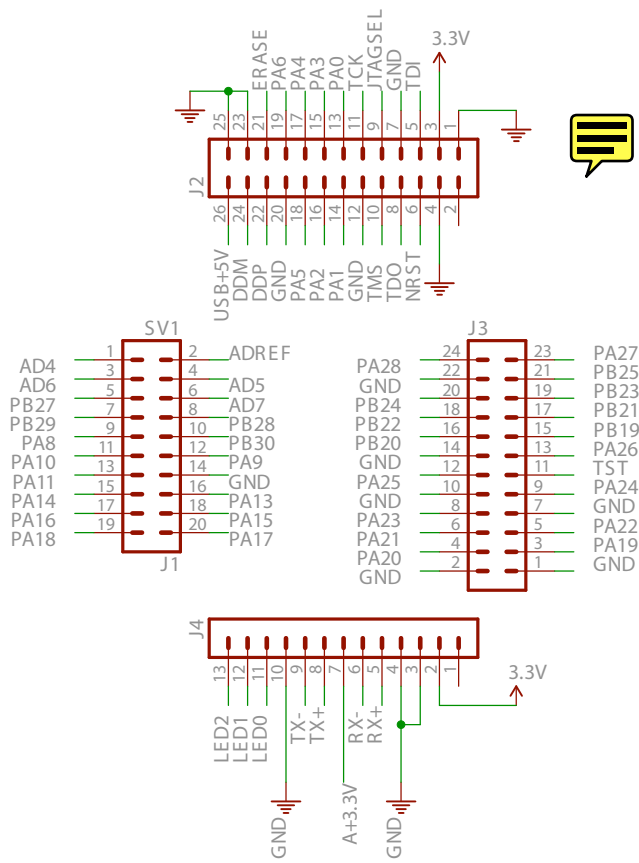


Make Interface Board v0.1

Dimensions & Mounting Holes

Actual Size
Dimensions in inches



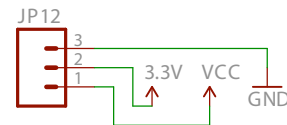
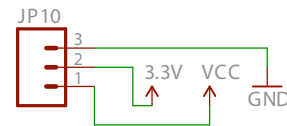
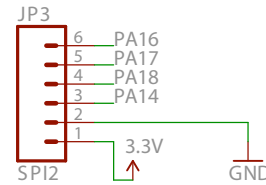
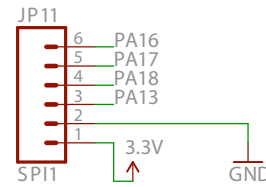
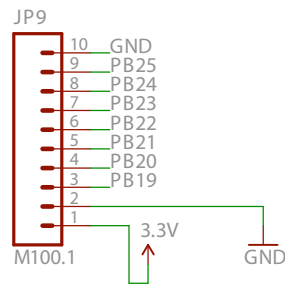
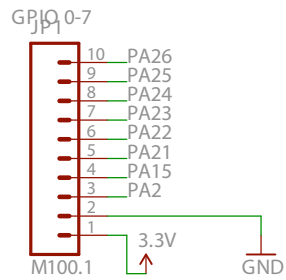
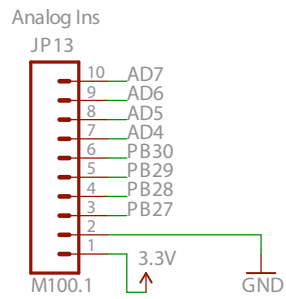
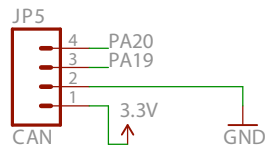
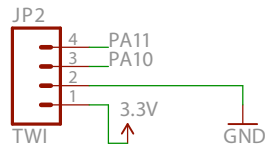
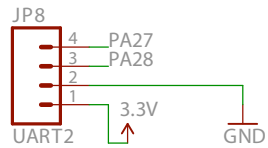
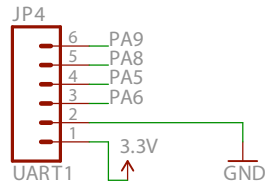
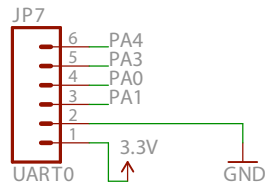


MAKE Interface Board

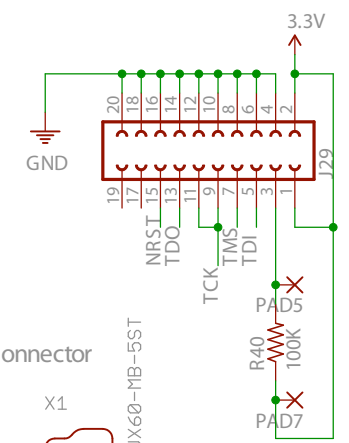
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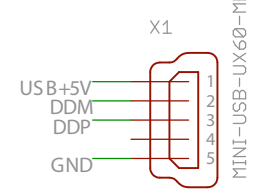
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JTAG connector

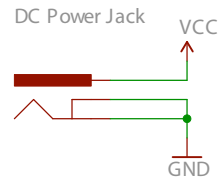
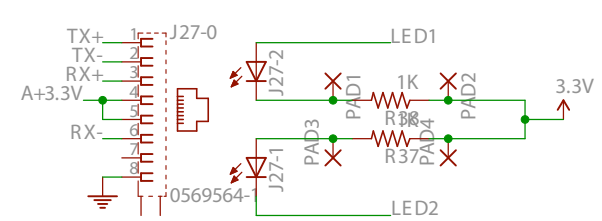


USB Connector

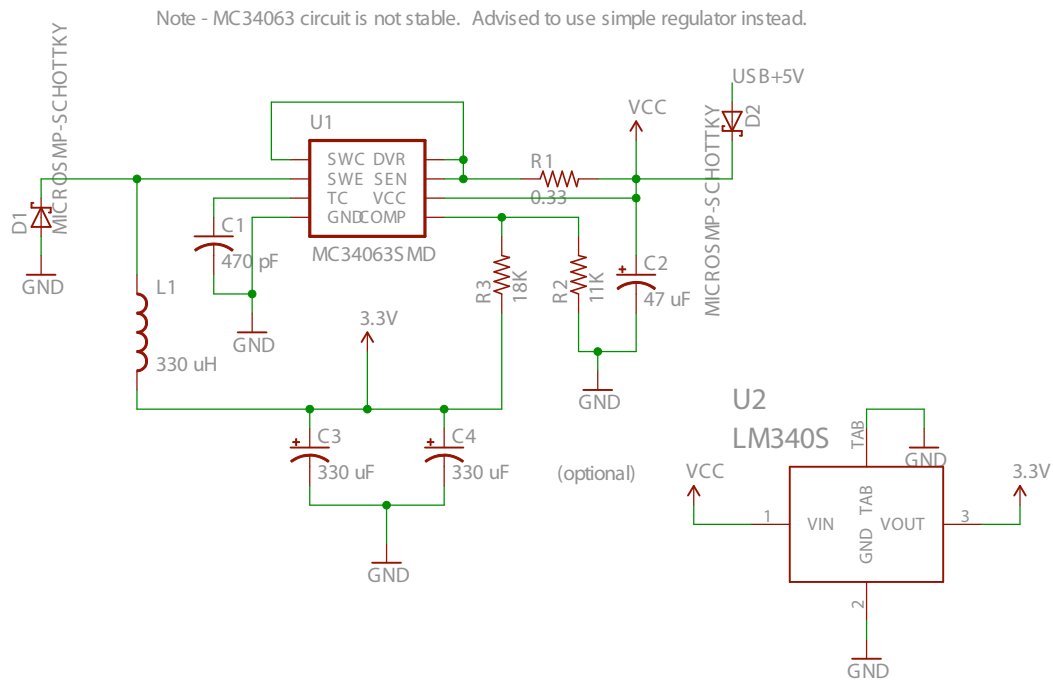


Note: NC on pin 4 specifies type-B device on mini USB plugs

Ethernet connector



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optional - either regulator w/C3 (optionally C4) or step down circuit, not both!

Power Supply

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