Magpie - uBraids guick build guide

Place Resistors

Place SMT Capacitors

Place All IC, Electrolytics & all remaining SMT components. Note that there are two different voltages for the 4040 shunts.

Double check your work for clean joints and solder bridges.

Flashing the Main Braids Module:

Solder FTDI & Power Headers

Connect to Power, press and hold both the System and Reset Buttons releasing the reset first and then the system button. Flash via the FTDI header (I use a ftdi friend from adafruit and the Mutable Instruments Vagrant Development environment)

If the unit will not flash double check all your parts and then begin trouble shooting until you find the reason. Once the unit is flashed disconnect it from power and you can solder on the pots, jacks and oLED. I find it is easiest to use a panavise with the panel facedown

Installing the OLED

The OLED should not touch the panel, Once the OLED is installed you will need to flash the Atmega chip to convert the display information. You will need to install two libraries.

Cut file updated to add oblong mounting holes, accomodate larger encoder for DIY folks and larger pot diameter for ALPS pots.

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