**Suppliers**

MSC industrial (MSC): <http://www.mscdirect.com/>

Newark: <http://www.newark.com/>

Online Metals: <http://www.onlinemetals.com/>

McMaster-Carr: <http://www.mcmaster.com/>

US Plastics: <http://www.usplastic.com/>

Digilent: <http://www.digilentinc.com/>

**DFM Base:**

*PCB Version 2.0* (1x): Eagle Cad design 6.5.0

*Reservoir base*: 1/2" HDPE; Cutting board food grade, Online Metals; 161mmx50.8mm

<http://www.onlinemetals.com/merchant.cfm?id=1174&step=2&top_cat=181>;

*Orings*: Size 239 from McMaster Carr (#9452K189; 2x)

*Baseplate*: 1/4" Aluminum bar, 6061; 2" width x 161cm length.

<http://www.onlinemetals.com/merchant.cfm?id=997&step=2&top_cat=60>;

*Hex Cap screws*: M4, 16mm length (6x) MSC: #68015569

**DFM Covers:**

*1/2" HDPE*: Cutting board food grade, from Online metals; 161mmx50.8mm <http://www.onlinemetals.com/merchant.cfm?id=1174&step=2&top_cat=181>

*1/8" acrylic sheet*, 161mmx50.8mm, USPlastics #44292.

*M4 flat head screws* (7mm length) (6x) MSC: #68018365

*Black universal dust caps* (6x or 12x depending on cover design, Fiber optics for sale co., F1-90010; <http://www.fiberoptics4sale.com/p/F1-90010.html>)

**PCB Version 2.0:**

10M Ohm resistors (12x): Newark #38K9353

27K resistors (12x): Newark #58K3837

4.7K resistors (12x): Newark #58K3858

220 Ohm resistors (2x): Newark #58K3827

3mm Red LED (1x): Newark #39K9987

3mm Green LED (1x): Newark #40K0036

Op Amp LM324AN (3x): Newark #43K5293

Op Amp Headers (3x): Newark #98K7079

8x2 Dual Male Headers (2x): Newark #92F1478

6x2 Dual Male Header (1x): Newark #92F1478

6x2 Dual Female Header (1x): Newark #16M3165

1x6 Male Header (1x): Newark #92F1474

1x3 Male Header (1x): Newark #92F1474

RJ-11 Plug Receptacle (1x): Mouser #538-95009-7661

DIP switch (1x): Newark #40T8900

**MCU:**

*USB Version*: Uno32 (Newark #47T1474), Pull-up resistor shield, Eagle Cad Design 6.5.0, Firmware Code from Pletcher Lab

*TCP Version*: Max32 (Newark #47T1475) with NETShield (Digilent #410-211P-KIT)

*WIFI Version*: Max32 (Newark #47T1475) with WIFI shield (Digilent #410-231P-KIT)

*Stand Alone Version*: Various gadgeteer products from GHI Electronics, see Scott for details.

*Cable connector to slave*: Standard telephone jumper cable.

*Power supply*: Stable DC powersupply 9V-13V (15V max!)