

| Board                   | Component                               | Part Number          | Vendor  | Price(x1) | Price Bulk | Quantity Per Board | Base Board Price | Bulk Board Price | # Boards Rev 1 | # Boards Rev 2 | # Boards Rev 3 | Total Price | Link  |
|-------------------------|---|----------------------|---------|-----------|------------|--------------------|------------------|------------------|----------------|----------------|----------------|-------------|---|
| Motor Control           | 3.3 to 5 level shifter                  | 497-3730-1-ND        | Digikey | \$1.51    | \$1.346    | 3                  | \$4.53           | \$4.038          |                |                |                |             | <a href="http://www.digikey.com/product-detail/en/stm32f103c8t6/497-3730-1-ND">http://www.digikey.com/product-detail/en/stm32f103c8t6/497-3730-1-ND</a>         |
|                         | 6 Pin Mili-Grid Connector               | WM3596-ND            | Digikey | \$1.42    | \$1.290    | 3                  | \$4.26           | \$3.870          |                |                |                |             | <a href="http://www.digikey.com/product-detail/en/molex/WM3596-ND">http://www.digikey.com/product-detail/en/molex/WM3596-ND</a>                                 |
|                         | 8 Pin Mili-Grid Connector               | WM3597-ND            | Digikey | \$1.33    | \$1.168    | 3                  | \$3.99           | \$3.504          |                |                |                |             | <a href="http://www.digikey.com/product-detail/en/molex/WM3597-ND">http://www.digikey.com/product-detail/en/molex/WM3597-ND</a>                                 |
|                         | Fabrication                             |                      |         |           |            |                    |                  |                  |                |                |                |             |   |
|                         | <b>Totals:</b>                          |                      |         |           |            |                    | \$12.78          | \$11.412         | 0              | 0              | 0              | 0           |   |
| Current Sensing Board   | Shunt Resistors                         | LVK25R010DERCT-ND    | Digikey | \$2.25    | \$1.970    | 3                  | \$6.75           | \$5.910          |                |                |                |             | <a href="http://www.digikey.com/product-detail/en/ohmtronics/LVK25R010DERCT-ND">http://www.digikey.com/product-detail/en/ohmtronics/LVK25R010DERCT-ND</a>       |
|                         | INA195 Amps                             | 296-26067-1-ND       | Digikey | \$2.33    | \$2.080    | 3                  | \$6.99           | \$6.240          |                |                |                |             | <a href="http://www.digikey.com/product-detail/en/texasinstruments/296-26067-1-ND">http://www.digikey.com/product-detail/en/texasinstruments/296-26067-1-ND</a> |
|                         | Molex Mini-Fit Jr. 4 Pin                | 39-30-0040           | Digikey | \$0.97    | \$0.849    | 1                  | \$0.97           | \$0.849          |                |                |                |             | <a href="http://www.digikey.com/products/en?keywords=Molex+Mini-Fit+Jr.+4+Pin">http://www.digikey.com/products/en?keywords=Molex+Mini-Fit+Jr.+4+Pin</a>         |
|                         | Molex Mini-Fit Jr. 2 Pin                | 39-30-0020           | Digikey | \$0.70    | \$0.656    | 3                  | \$2.10           | \$1.968          |                |                |                |             | <a href="http://www.digikey.com/products/en?keywords=Molex+Mini-Fit+Jr.+2+Pin">http://www.digikey.com/products/en?keywords=Molex+Mini-Fit+Jr.+2+Pin</a>         |
|                         | FUSE 12.5A 250VAC 125VDC                | 486-1769-ND          | Digikey | \$0.53    | \$0.53     | 2                  | \$1.06           | \$1.06           |                |                |                |             | <a href="http://www.digikey.com/product-detail/en/schurter/486-1769-ND">http://www.digikey.com/product-detail/en/schurter/486-1769-ND</a>                       |
|                         | Fuse Holder                             | 486-1732-ND          | Digikey | \$3.06    | \$3.06     | 1                  | \$3.06           | \$3.06           |                |                |                |             | <a href="http://www.digikey.com/product-detail/en/schurter/486-1732-ND">http://www.digikey.com/product-detail/en/schurter/486-1732-ND</a>                       |
|                         | Fabrication                             |                      |         |           |            |                    |                  |                  |                |                |                |             |   |
|                         | <b>Totals:</b>                          |                      |         |           |            |                    | \$20.93          | \$19.087         | 0              | 0              | 0              | 0           |   |
| Teensy Board            |   |                      |         |           |            |                    |                  |                  |                |                |                |             |   |
|                         | <b>Totals:</b>                          |                      |         |           |            |                    | \$5.00           |                  |                |                |                |             |   |
| Multiple Boards         | 1 uF capacitor                          | 478-7933-1-ND        | Digikey |           |            | 3                  |                  |                  |                |                |                |             | <a href="http://www.digikey.com/products/en?keywords=1+uF+capacitor">http://www.digikey.com/products/en?keywords=1+uF+capacitor</a>                             |
|                         | 0.1 uF capacitor                        | C1210C104K&JAC7800-N | Digikey |           |            | 6                  |                  |                  |                |                |                |             | <a href="http://www.digikey.com/product-detail/en/avx-c1210c104k-jac7800-n">http://www.digikey.com/product-detail/en/avx-c1210c104k-jac7800-n</a>               |
|                         | 0.1" pitch 0.24" deep female pin rcptl. |                      | Digikey |           |            |                    |                  |                  |                |                |                |             |   |
|                         | 0.1" pitch 0.235" long male pin hdrs.   |                      | Digikey |           |            |                    |                  |                  |                |                |                |             |   |
|                         | 0.1" pitch                              |                      |         |           |            |                    |                  |                  |                |                |                |             |   |
| <b>Small Rev</b>        |   |                      |         |           |            |                    |                  |                  |                |                |                |             |   |
| Total for 1 Set         |   |                      |         |           |            |                    |                  | \$35.499         |                |                |                |             |   |
| 4-Layer Order from A.C. |   |                      |         |           |            |                    |                  | \$66.00          |                |                |                |             |   |
| Boards Per Sheet        |   |                      |         |           |            |                    |                  | 6                |                |                |                |             |   |
| Num. Sheets             |   |                      |         |           |            |                    |                  | 2                |                |                |                |             |   |
| Total                   |   |                      |         |           |            |                    |                  | \$344.994        |                |                |                |             |   |
| <b>Full Rev</b>         |   |                      |         |           |            |                    |                  |                  |                |                |                |             |   |
| Total for 1 Set         |   |                      |         |           |            |                    |                  | \$35.499         |                |                |                |             |   |
| 4-Layer Order from A.C. |   |                      |         |           |            |                    |                  | \$66.00          |                |                |                |             |   |
| Boards Per Sheet        |   |                      |         |           |            |                    |                  | 6                |                |                |                |             |   |
| Num. Sheets             |   |                      |         |           |            |                    |                  | 5                |                |                |                |             |   |
| Total                   |   |                      |         |           |            |                    |                  | \$542.994        |                |                |                |             |   |
| <b>Total</b>            |   |                      |         |           |            |                    |                  |                  |                |                |                |             |   |
| Small Revs              |   |                      |         |           |            |                    |                  | 2                |                |                |                |             |   |
| Big Revs                |   |                      |         |           |            |                    |                  | 1                |                |                |                |             |   |
| Total                   |   |                      |         |           |            |                    |                  | \$1,232.982      |                |                |                |             |   |