

Bill of Materials for miniMIDI-WASP Component Kit Revision 1.0 (Main Assembly)

| Item             | Description                       | Qty | Designator                               | Package   |
|------------------|-----------------------------------|-----|--|-----------|
| <b>CAPACITOR</b> |                                   |     |  |           |
| 1                | 100nF Decoupling Capacitor        | 4   | C101, C301, C302, C303                   | RAD-0.2N  |
| <b>CONNECTOR</b> |                                   |     |  |           |
| 2                | 8way 2.54mm Screw Terminal        | 1   | J401                                     | 2.54mm    |
| 3                | 8-pin IC Socket 0.3inch           | 1   | U201                                     | DIP-8     |
| 4                | 28-pin IC Socket 0.3inch          | 1   | U101                                     | DIP-28    |
| <b>CRYSTAL</b>   |                                   |     |  |           |
| 5                | 16MHz Oscillator                  | 1   | X101                                     | DIL-8     |
| <b>DIODE</b>     |                                   |     |  |           |
| 6                | 1N4148                            | 1   | D201                                     | DIODE-0.3 |
| <b>LINEAR</b>    |                                   |     |  |           |
| 7                | ATMEGA8-16PI                      | 1   | U101                                     | DIP-28N   |
| 8                | 6N138 - Opto-coupler              | 1   | U201                                     | DIP-8     |
| <b>RESISTOR</b>  |                                   |     |  |           |
| 9                | 10R 1% 0.5W Metal Film            | 1   | R301                                     | AXIAL-0.4 |
| 10               | 220R 1% 0.5W Metal Film           | 1   | R207                                     | AXIAL-0.4 |
| 11               | 2K0 1% 0.5W Metal Film            | 1   | R206                                     | AXIAL-0.4 |
| 12               | 10K 1% 0.5W Metal Film            | 7   | R401, R402, R403, R404, R405, R406, R407 | AXIAL-0.4 |
| 13               | 15K 1% 0.5W Metal Film            | 1   | R208                                     | AXIAL-0.4 |
| 14               | 8 x 10K Commoned Resistor Network | 1   | RN101                                    | SIP-9     |
| <b>SWITCH</b>    |                                   |     |  |           |
| 15               | 2PST DIP                          | 1   | S103                                     | DIP-4     |
| 16               | 4PST DIP                          | 1   | S102                                     | DIP-8     |
| <b>FIRMWARE</b>  |                                   |     |  |           |
| 17               | miniMIDI-WASP Software Rev1.5     | 1   | U101                                     | -         |

