

NOTE THAT ALL COMPONENTS ARE SOLDERED TO THE FRONT OF THE PCB EXCEPT THE POWER HEADER (M08X2) OR OPTIONAL PROGRAMMING JUMPER JP1

| Qty | Value | Device | Parts |
|-----|-----------|------------------------|--|
| 3 | 100R | Resistor | R503, R603, R703 |
| 12 | 1K | Resistor | R2, R3, R4, R501, R502, R504, R601, R602, R604, R701, R702, R704 |
| 3 | 10K | Resistor | R1, R303, R403 |
| 6 | 51K | Resistor | R102, R103, R104, R202, R203, R204 |
| 2 | 100K | Resistor | R301, R401 |
| 4 | 120K | Resistor | R101, R105, R201, R205 |
| 2 | 1M | Resistor | R302, R402 |
| 3 | 1N4004 | Rectifier Diode | D1, D2, D3 |
| 1 | 8 pin | DIL Socket | IC1 |
| 1 | 28 pin | DIL Socket | IC2 |
| 5 | 2N3904 | Transistor | Q301, Q401, Q501, Q601, Q701 |
| 2 | 100n | Ceramic Capacitor | C1, C3 |
| 1 | 10u | Electrolytic Capacitor | C2 |
| 1 | 16Mhz | Resonator | Y1 |
| 1 | M08X2 | Header | U\$2 - SOLDER TO REAR OF BOARD! |
| 1 | M06X1 | Header | JP1 - NOT REQUIRED FOR REGULAR BUILD |
| 3 | PTCPTH | Resettable Fuse | F1, F2, F3 |
| 1 | TL072P | Op Amp | IC1 |
| 1 | ATMEGA168 | Microcontroller | IC2 |
| 4 | 10K | Potentiometer | DELVCV, DELMAN, DIVCV, DIVMAN |
| 8 | | Jack | CLKIN, CLKTHRU, CMBOUT, DELIN, DELOUT, DIVIN, DIVOUT, RSTIN |
| 1 | on-off-on | SWITCH-SPST | S1 |
| 3 | 3mm | LED | LED1, LED2, LED3 |
| 4 | 6mm shaft | Knobs | |
| 8 | hex | lock nuts | |

