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| **Ref** | **Value** | **Note** |
| Power Connnector | 12V | DC power connector |
| C1 | 0.1uF | ceramic capacitor |
| C2 | 0.1uF | ceramic capacitor |
| C4 | 10uF | polarized capacitor |
| C5 | 220uF | polarized capacitor |
| C6 | 680pF | ceramic capacitor |
| C7 | 10uF | polarized capacitor |
| C8 | 10uF | polarized capacitor |
| C9 | 0.1uF | ceramic capacitor |
| C10 | 0.1uF | ceramic capacitor |
| C11 | 100uF | polarized capacitor |
| D1 | 1N5819 | Diode |
| IC1 | MC34063 | DIL08 |
| IC2 | LM7912 | TO220 |
| IC3 | LM7905 | TO220 |
| L1 | 100uH | inductor |
| Led3MM |  | Red |
| R1 | 0.47ohm | Resistor (0617\17) |
| R2 | 2k | Resistor (0207\7) |
| R3 | 22k | Resistor(0204\7) |
| R4 | 2k | Resistor(0207\7) |
| R5 | 0.47ohm | Resistor (0617\17) |
| SL1 | M05 male | 90 degree |
| US1 | Heat Sink | Medium |
| US2 | Heat Sink | Small |