This component list for **MyWeld 2.0 (Auto)**. Note that this list is **not relevant for the future MyWeld 2.0 PRO version**.

**Component List for MyWeld 2.0 (Auto)**

**Microcontrollers & Modules**

* Arduino Nano – 1 pc
* KY-040 Rotary Encoder Module with Button – 1 pc
* 20x04 LCD Display with I2C Interface Module – 1 pc

**Drivers & Regulators**

* TC4422 Gate Driver (DIP8) – 1 pc
* 7805 Linear Voltage Regulator (TO-220) – 1 pc
* XR2981 DC-DC Converter IC (SOP8-PP) – 1 pc

**Semiconductors**

* **Transistors:**
  + NCE30H29D or any other N-channel MOSFETs (V<sub>DS</sub> 20-40V, R<sub>DS(on)</sub> ≤ 3mΩ, higher drain current preferred) – 8 pcs
* **Optocoupler:**
  + PC817 Transistor Optocoupler (DIP4) – 1 pc
* **Diodes & Zener Diodes:**
  + 1N4746A Zener Diode (18V, 1W, DO-41) – 1 pc
  + FR207 Diode (2A, 1000V, DO-15) – 1 pc
  + SS34 Diode – 1 pc
* **LEDs:**
  + Green LED (5mm, 1.8-3.2V, 10–20mA, any) – 2 pcs
  + Red LED (5mm, 1.8-3.2V, 10–20mA, any) – 1 pc

**Resistors**

* **Through-Hole (1/4W):**
  + 2.2 Ω – 8 pcs
  + 4.7 Ω – 1 pc
  + 10 Ω – 1 pc
  + 5.1 kΩ – 1 pc
  + 6.8 kΩ – 2 pcs
  + 10 kΩ – 2 pcs
* **SMD (1206):**
  + 47 Ω – 1 pc
  + 10 kΩ – 3 pcs
  + 110 kΩ – 1 pc
  + 16 kΩ – 1 pc
  + 6.2 kΩ – 1 pc
  + 4.7 kΩ – 1 pc

**Capacitors**

* **Electrolytic:**
  + 10V, 470–1000µF (D=12mm) – 1 pc
  + 25V, 470–1000µF (D=12mm) – 1 pc
  + 25V, 470µF (D=8mm) – 1 pc
* **Ceramic (1206):**
  + 100nF (≥10V) – 3 pcs
  + 220nF (≥10V) – 3 pcs
  + 47nF (≥10V) – 3 pcs
  + 10µF (25V) – 4 pcs
* **Film/Ceramic:**
  + 1µF – 1 pc
  + 100nF – 2 pcs

**Miscellaneous**

* 2.2µH Inductor (2-3A) – 1 pc
* KF301-2P Terminal Block – 3 pcs
* Jumper Wires with Connectors (for encoder & display)
* MyWeld 2.0 (Auto) PCB