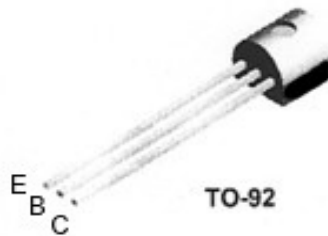
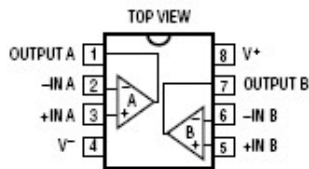


Assembly Manual for the Kit Ze(h)ndrive

Page 2.....	Bill of material
Page 3.....	Soldering the PCB
Page 4..6.....	Wiring diagram, mechanical description
Page 7.....	Drill table
Page 8.....	Printable pic for foil or decal

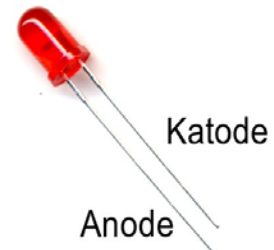
Some connections of important components

AD712

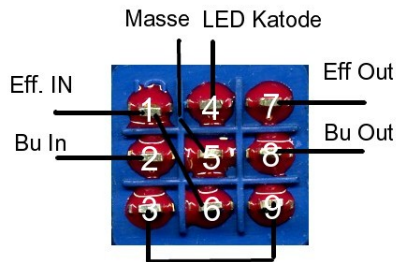


TO-92

Leuchtdiode (LED)



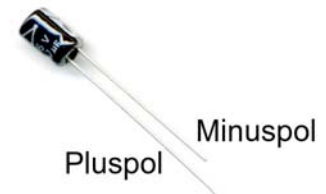
3PDT



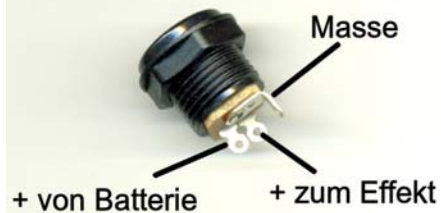
BC549



Elektrolytkondensator



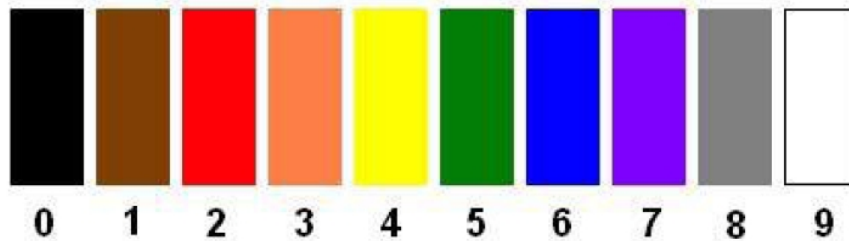
DC-Buchse isoliert



Bases of building and the assembly

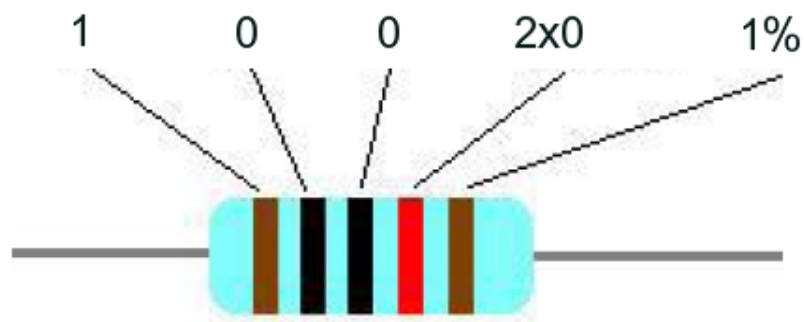
Color chart of resistances MF207 FTE52 1% and example F

Widerstands Farbcode

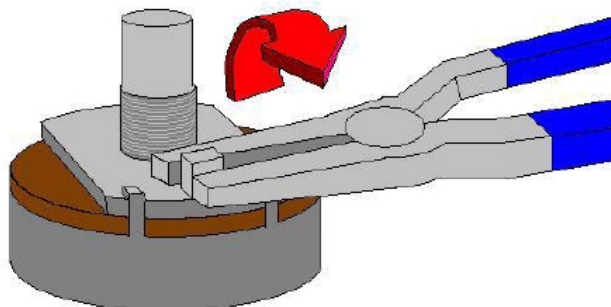


Bsp.: Widerstand MF207 10K 1%

Wert: 10000 Ohm = 10KOhm



Nase am Poti mit einer Flachzange abbrechen

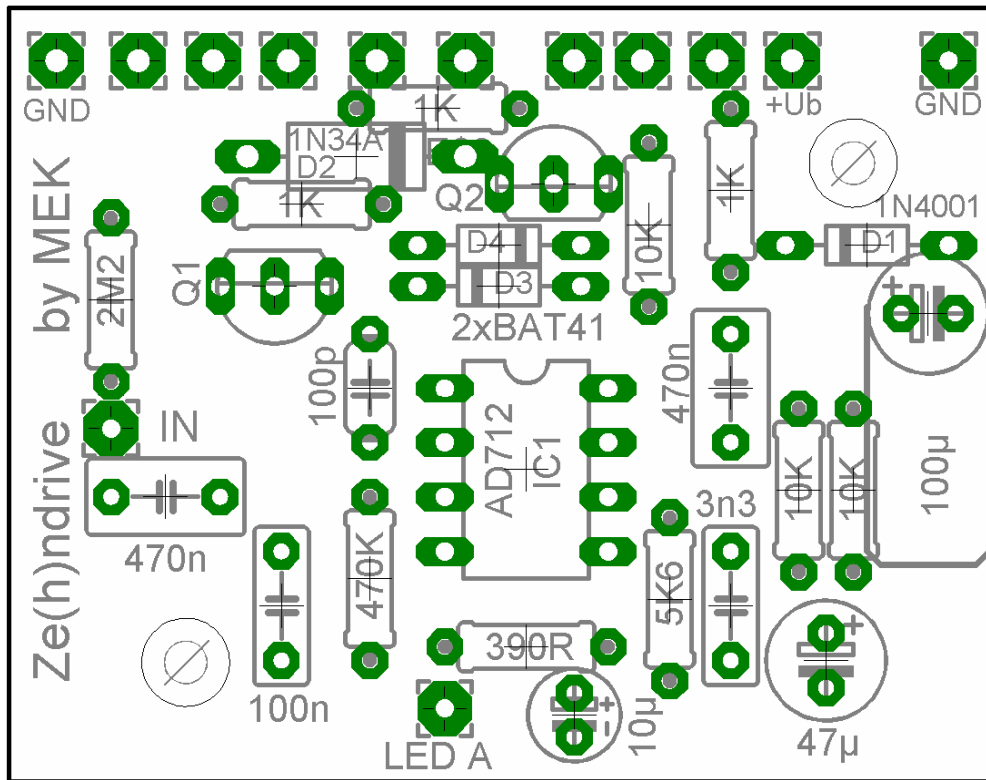


Bill of material

Quantitiy	Description
1	Mono jack ¼"
1	Stereo jack ¼"
1	3PDT switch
1	LED blue 3mm clear
1	LED bezel for 3mm led
1	Pot 10K-B (linear)
1	Pot 100K-B (linear)
1	Pot 50K-B (linear)
1	Pot 500K-B (linear)
2	Self adhesive spacer (4,8mm)
1	DC-jack isolated
2	DMOS-FET 2N7000 (TO92)
1	SI-Diode 1N4001
2	Schottky Diode BAT41
1	Germanium Diode 1N34A
1	AD712 Dual OPV, High speed
1	IC Socket 8-polig
1	Resistor 390R (orange/white/black/black/brown)
3	Resistor 1K (brown/black/black/brown/brown)
1	Resistor 5K6 (green/blue/black/brown/brown)
3	Resistor 10K (brown/black/black/red/brown)
1	Resistor 470K (yellow/violet/black/orange/brown)
1	Resistor 2M2 (red/red/black/yellow/brown)
1	Capacitor ceramic 100pF (101)
1	Capacitor foil MKT 3,3nF (0.0033μF)
1	Capacitor foil MKT 100nF (0.1μF)
2	Capacitor foil MKT 470nF (0.47μF)
1	Electrolytic RASM 10μF/25V
1	Electrolytic RASM 47μF/16V
1	Electrolytic RASM 100μF/16V
1	Battery connector
1	Some colored wires
1	PCB
3	Cable fastener

Soldering the PCB

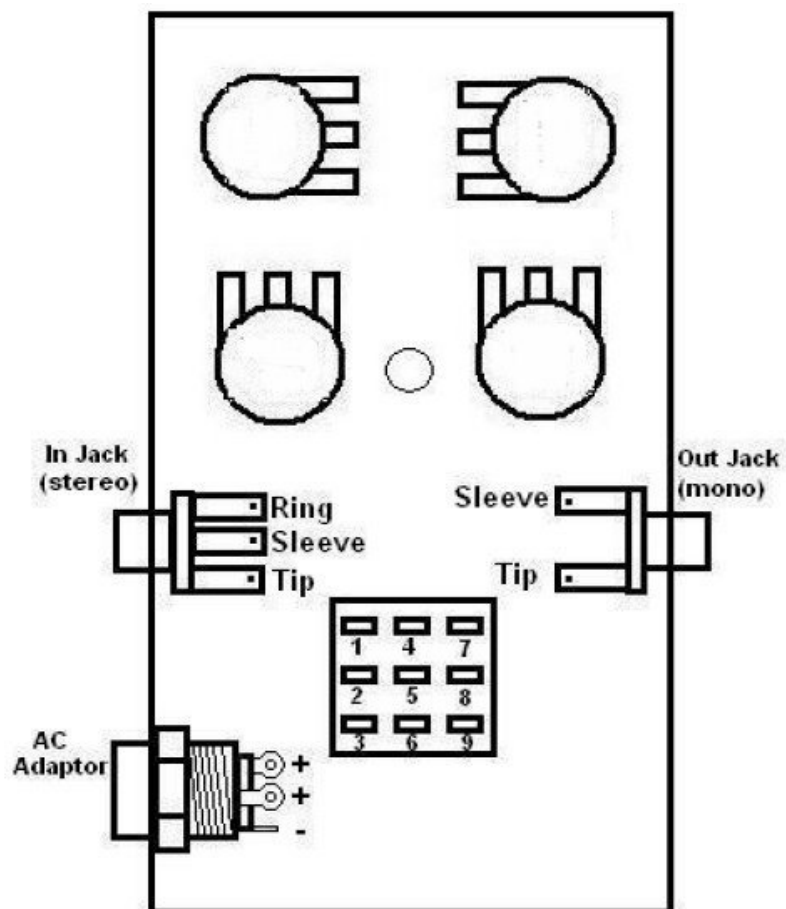
As the first the printed circuit board is soldering with the components that is illustrated down. For this one should begin with the resistors, the diodes, the IC socket. The capacitors and the 2 transistors comes at the last. Clean work, in particular the execution of the soldered connections should possess highest priority, in order to from the beginning generally exclude assembly and soldering errors.



After the printed circuit board is completely soldered, one cuts 9 wires from approx. 6 to 7cm length and solders themselves her from bottomside into the points of the printed circuit board to which the potentiometers comes. Next becomes the enclosure, which was drilled from you, or your kit comes with a predrilled enclosure, placing the mechanical components (Audi jacks, 3PDT switch, potentiometer – (locating noses at them and broke it up e.g. the picture at the begin) DC jack and the bezel for the LED. Mounting the LED that the short leg (katode) shows to the 3PDT switch. Further one should prepare the input jack according to the illustration, since solder in the mounted condition is nevertheless quite adventurous. Optimal way, one equips the 3PDT switch last, since it happens nevertheless quite closely when soldering at the DC jack otherwise. The whole takes place then similarly to the wiring diagram illustrated down.

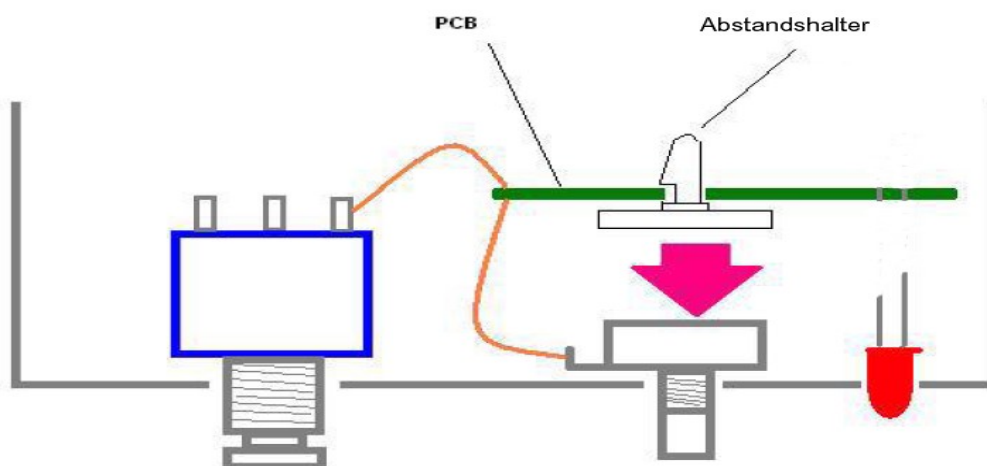


Placing the mechanical components



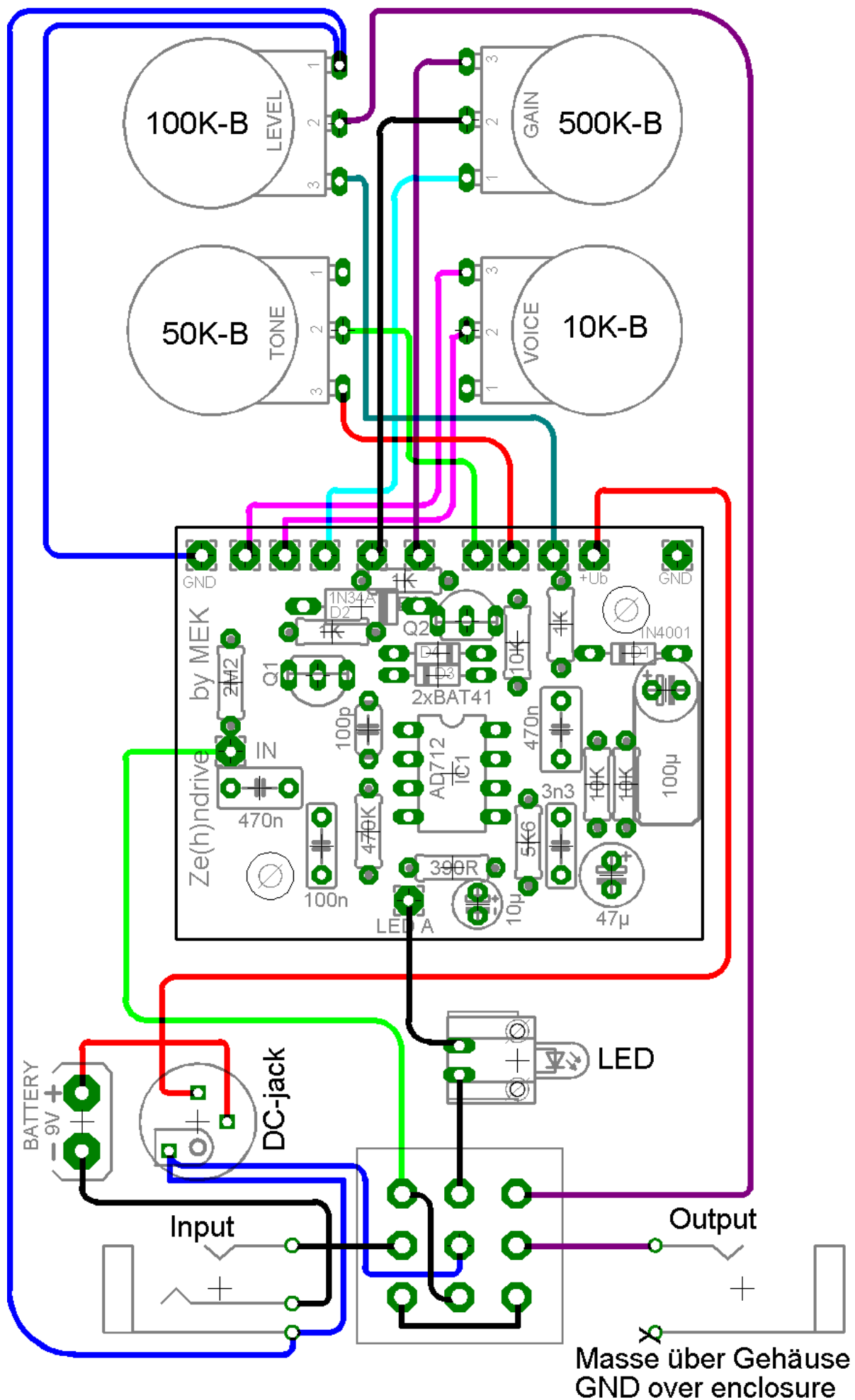


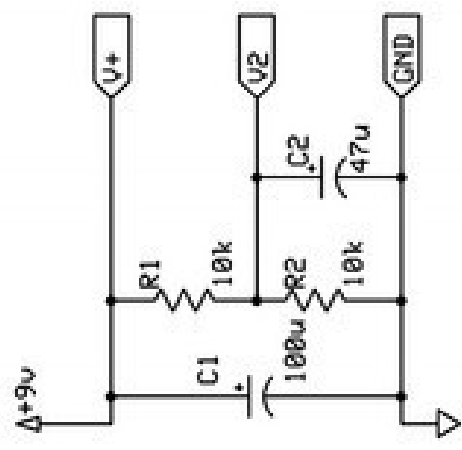
In the appendix are also collecting mains for a drilling template and for the pressure of a possible foil. **With the expression of the *pdf print files, to adjust the printer on „no adjustment“** In the end of the mounting connections are only soldered on of the switch to the printed circuit board in accordance with far pattern shown above. In addition one turns the printed circuit board best on the component side. Now the spacers are only missing. That accommodate the wires under the printed circuit board can be a little pedantic, but it fits. One should remove however the protective plastic films of the spacers only if one is safe, which all wires have duly place.



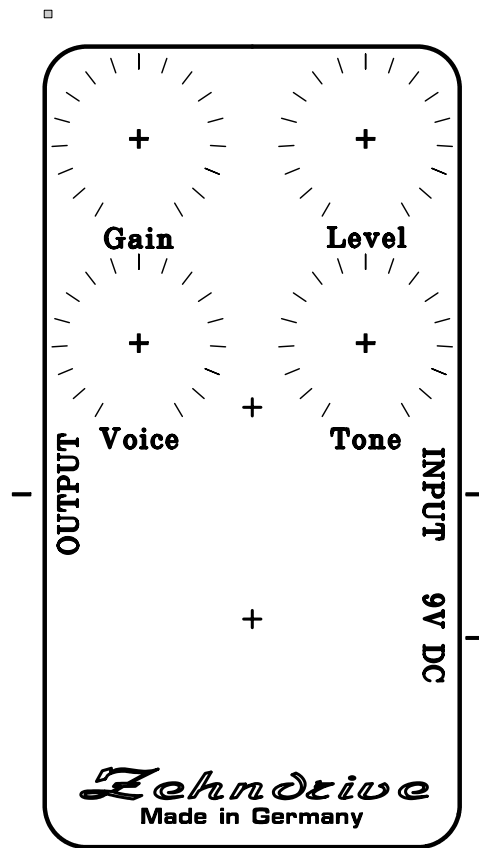
As enclosure use a case e.g. 1590B or eddystone 27134PSLA. If you want drill by herself, here are the drill dimensions.

Audio jacks: 9mm
 Potentiometer: 7mm
 LED Bezel: 6mm
 3PDT switch: 12mm
 DC-jack: 13mm





VOICE, GAIN, TONE: Audio



□

