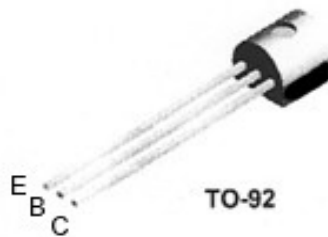
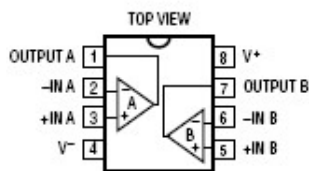


Assembly manual for the Kit Overdrive TS-808®

Page 2.....	Bill of material
Page 3.....	soldering the pcb
Page 4.....	wiring diagram
Page 5..8.....	mechanical mounting
Page 9..11.....	wiring, drill template, foil template, schematic

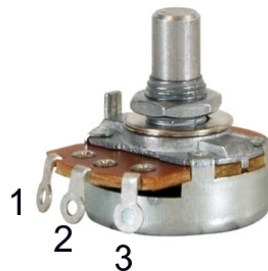
Some connection of important components

JRC 4558D

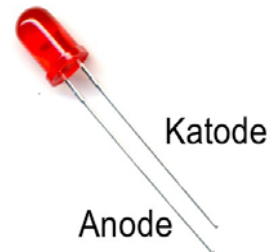


BC549

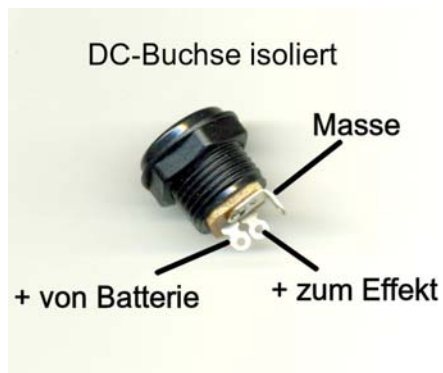
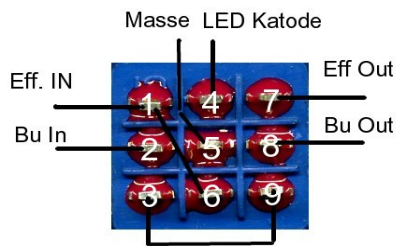
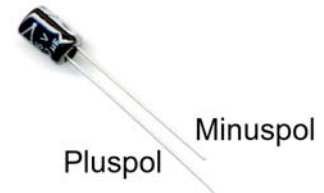
Standard Potentiometer



Leuchtdiode (LED)













Elektrolytkondensator



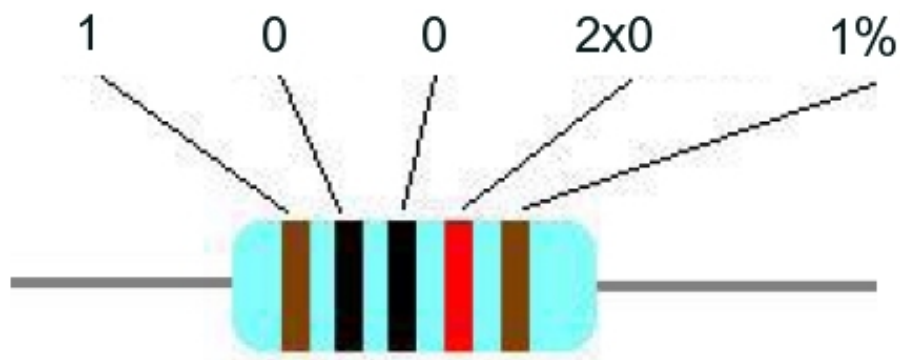
Color table for resistors MF207 FTE52 1% and a example

Resistor color code

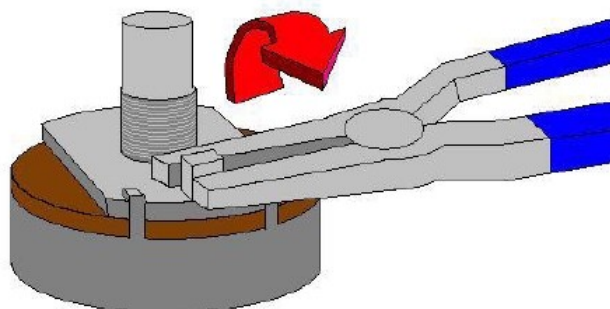
									
0	1	2	3	4	5	6	7	8	9

Example: Resistor MF207 10K 1%

Value: 10000 Ohm = 10KOhm



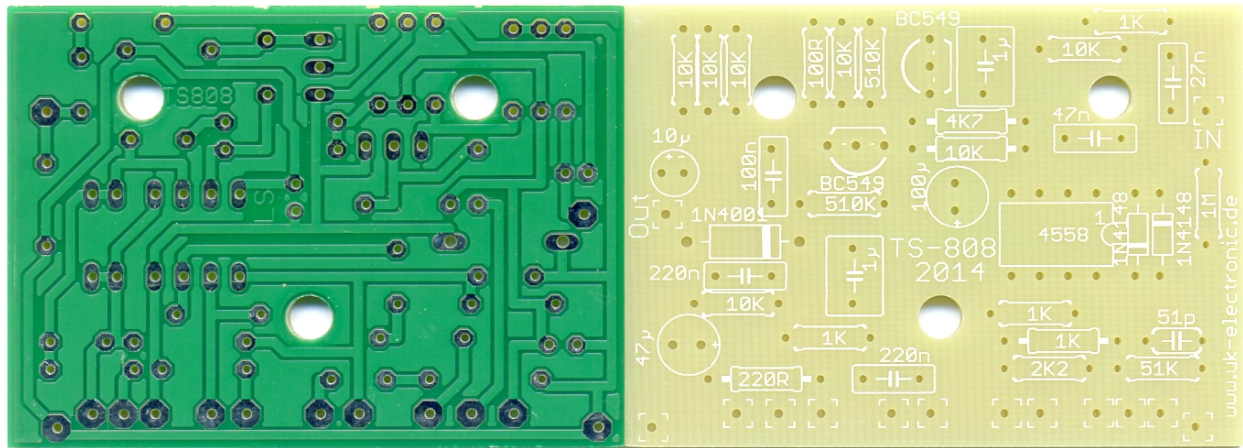
Breaking nose at the potentiometer
Nase am Poti mit einer Flachzange abbrechen



Bill of material

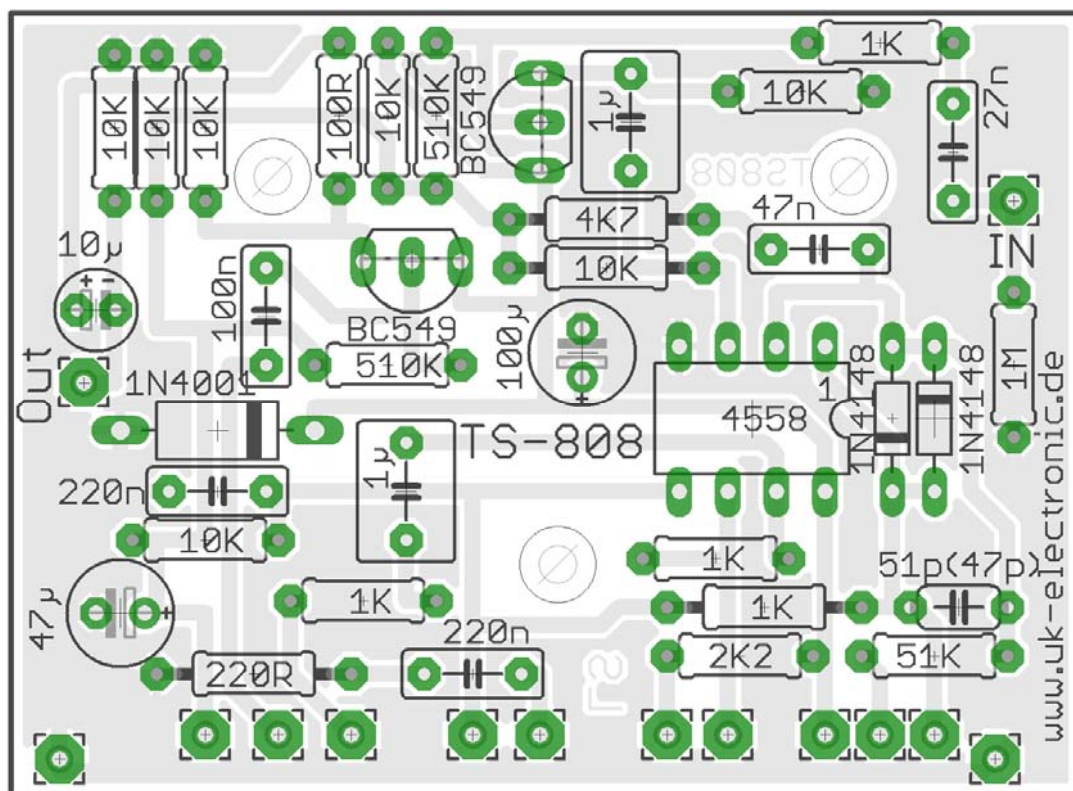
Quantity	Description
1	Mono Jack 6.35mm
1	Stereo Jack 6,35mm
2	Steel washer 10,5mm (Audio jacks)
1	3PDT Switch
1	LED red 3mm Low Current
1	Pot 100K-B (linear)
1	Pot 500K-A (logarithmic)
1	Pot 25K-B (linear)
3	Steel washer 7,4mm for pots
1	LED bezel for 3mm LED
3	Self adhesive spacer pcb (4,8mm)
1	DC-jack isolated 5.5/2.1mm
2	NPN silicon transistor BC549C
1	Diode 1N4001 (Kathode line)
2	Diode 1N4148 (Kathode line)
1	JRC4558D dual OPV
1	IC socket 8-pole
1	Resistor 100R (brown/black/black/black/Braun)
1	Resistor 220R (red/red/black/black/brown)
4	Resistor 1K (brown/black/black/brown/brown)
1	Resistor 2K2 (red/red/black/brown/brown)
1	Resistor 4K7 (yellow/violet/black/brown/brown)
7	Resistor 10K (brown/black/black/red/brown)
1	Resistor 51K (green/brown/black/red/brown)
2	Resistor 510K (green/brown/black/orange/brown)
1	Resistor 1M (brown/black/black/yellow/brown)
1	Capacitor ceramik 51pF (47pF)
1	Capacitor foil MKT 27nF (0.027µF / 273J)
1	Capacitor foil MKT 47nF (0.047µF)
1	Capacitor foil MKT 100nF (0.1µF)
2	Capacitor foil MKT 220nF (0.22µF)
2	Capacitor foil MKT 1µF
1	Electrolytic capacitor RASM 10µF/25V -35V
1	Electrolytic capacitor RASM 47µF/16V
1	Electrolytic capacitor RASM 100µF/16V
1	Battery connector
1	Some coloured wire
1	PCB „TS-808“
2	Cable fastener

Picture of the pcb (Bottom)

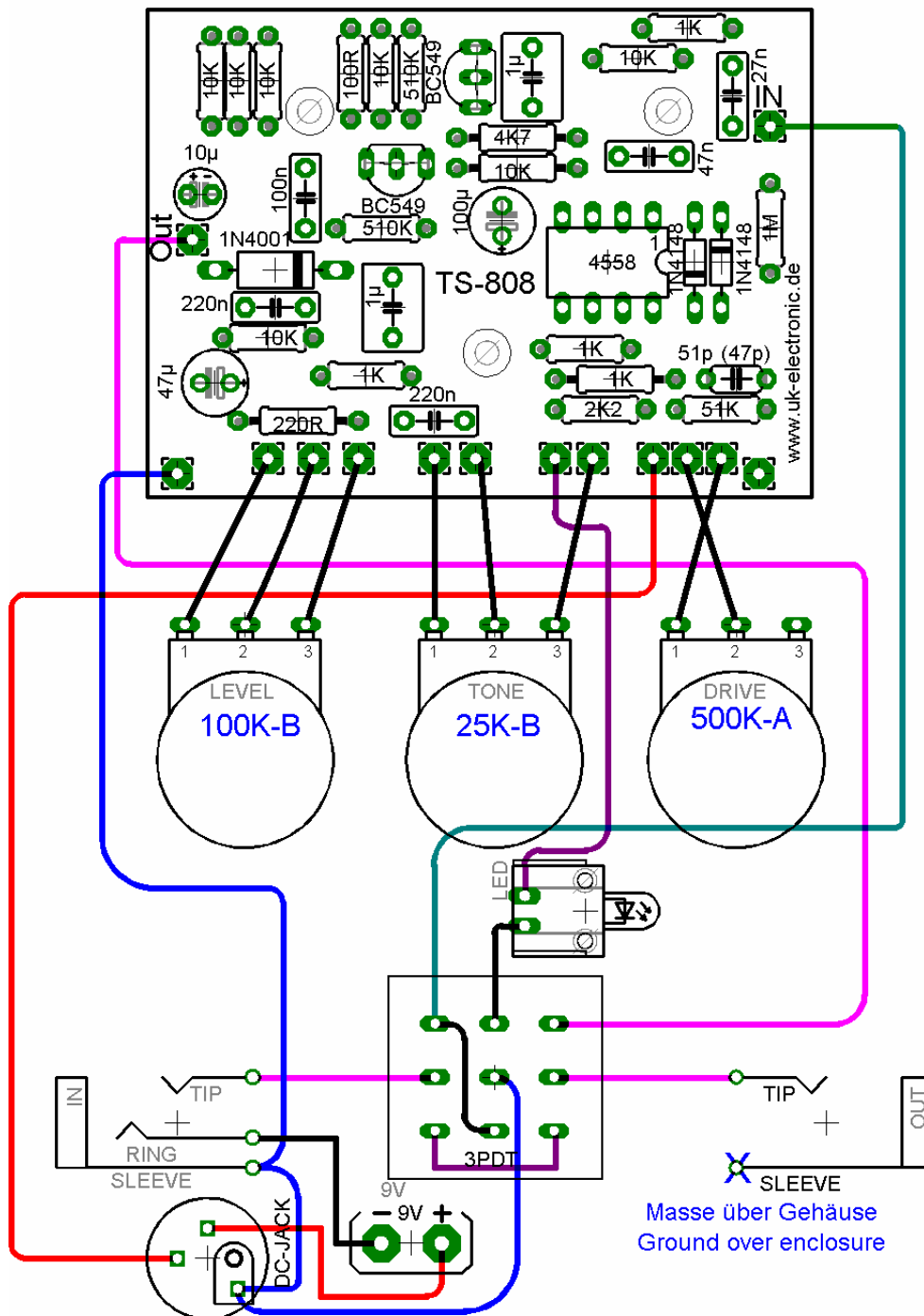


Soldering the PCB

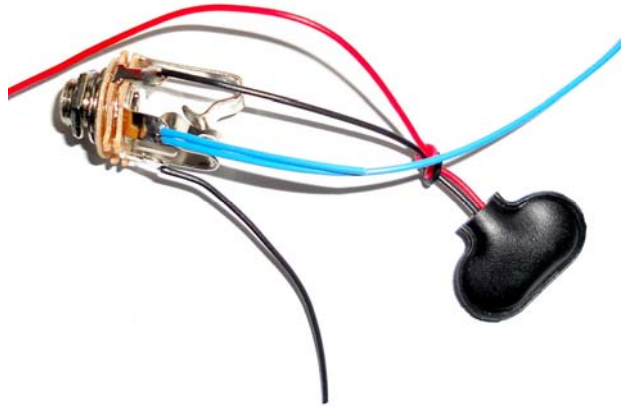
First, the printed circuit board is assembled by means of the placement schedule shown below. For this we should start with the lowest components to be fitted, i.e. the resistors, diodes, capacitors, the socket for the IC and then the transistors. Clean work, especially the execution of the solder points should have top priority to generally exclude from the outset assembly and solder defects.



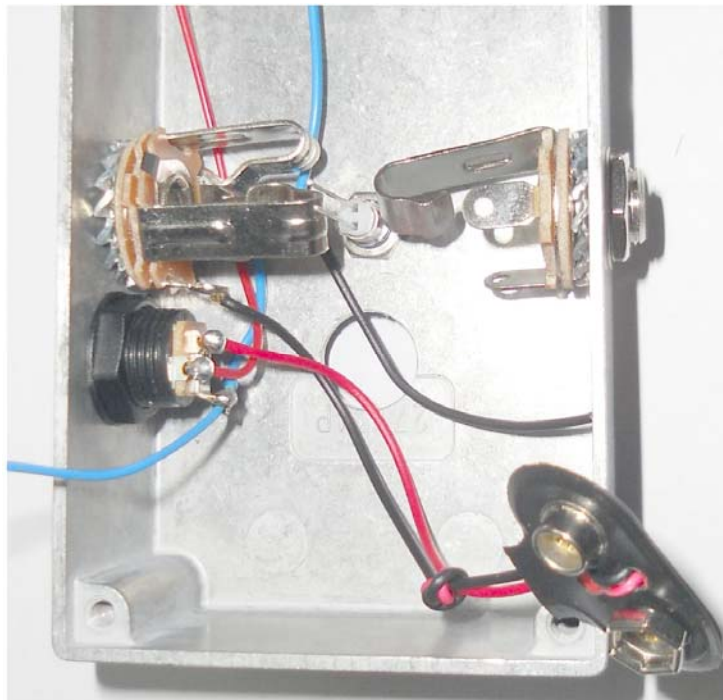
2007/14 © UK-electronic

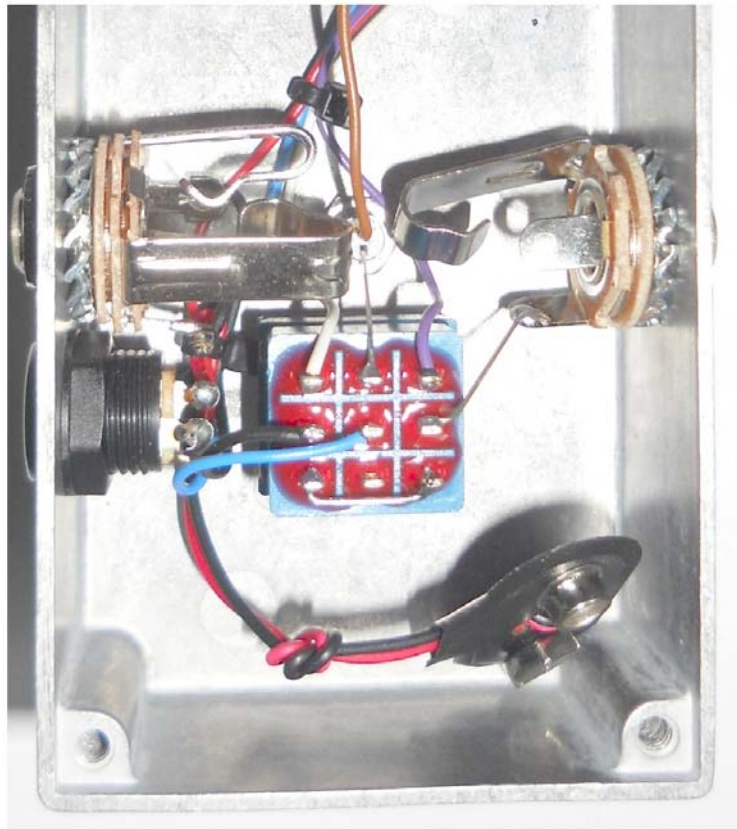


he next step should be the pre-wiring of the enclosure. This should prepare the input jack already shown in the figure, as a solder in the installed condition but is quite adventurous.

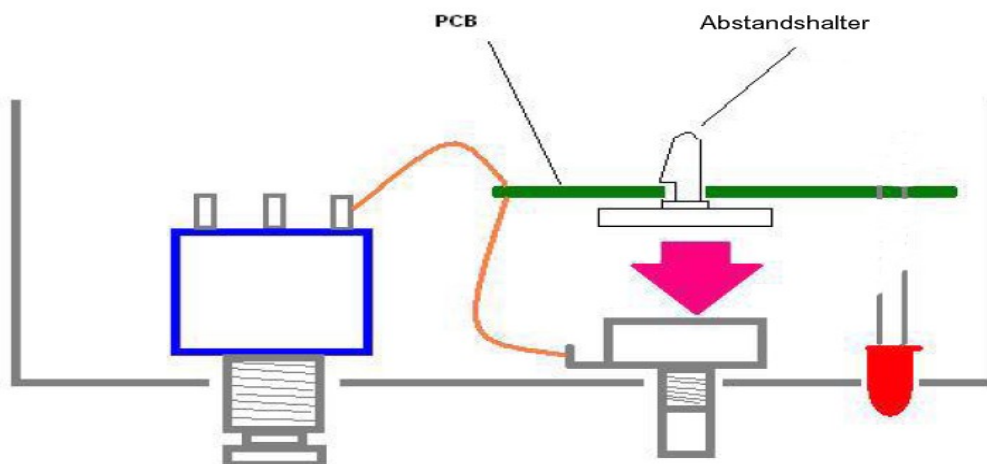


After the mechanical components, sockets, switch and DC jack can be mouning. Prescribed by the holes that should not be too difficult. At the switch, the wires are already soldered to the input, output, and bypass the bridge for a short wire directly to the output jack. The ground of the output jack does not have to be wired separately, as it is due to contact with the enclosure to ground. The cathode of the LED (short leg) is soldered directly to the switch and insulated with a piece of fabric hose. The anode is cut and lengthened with a piece of wire. The whole should then look similar to the pictures shown below.





Finally, only the remaining compounds are still soldered to the circuit board from the switch as above the image being displayed. This one turns the best on the circuit board component side. Now only missing the spacers. The place of the wires under the circuit board can be a little cumbersome, but it fits. However, you should remove the protective film of the spacers until you are sure that all wires properly place.



As enclosure is used a 1590B size like a GEH020, 1550B, GEH013, PLSA27134.

If clean up and properly wired, the effects device should work immediately. For any questions we are always available.

For the enclosure drill diameter, the following should be used:

Audio jacks: 9,3mm

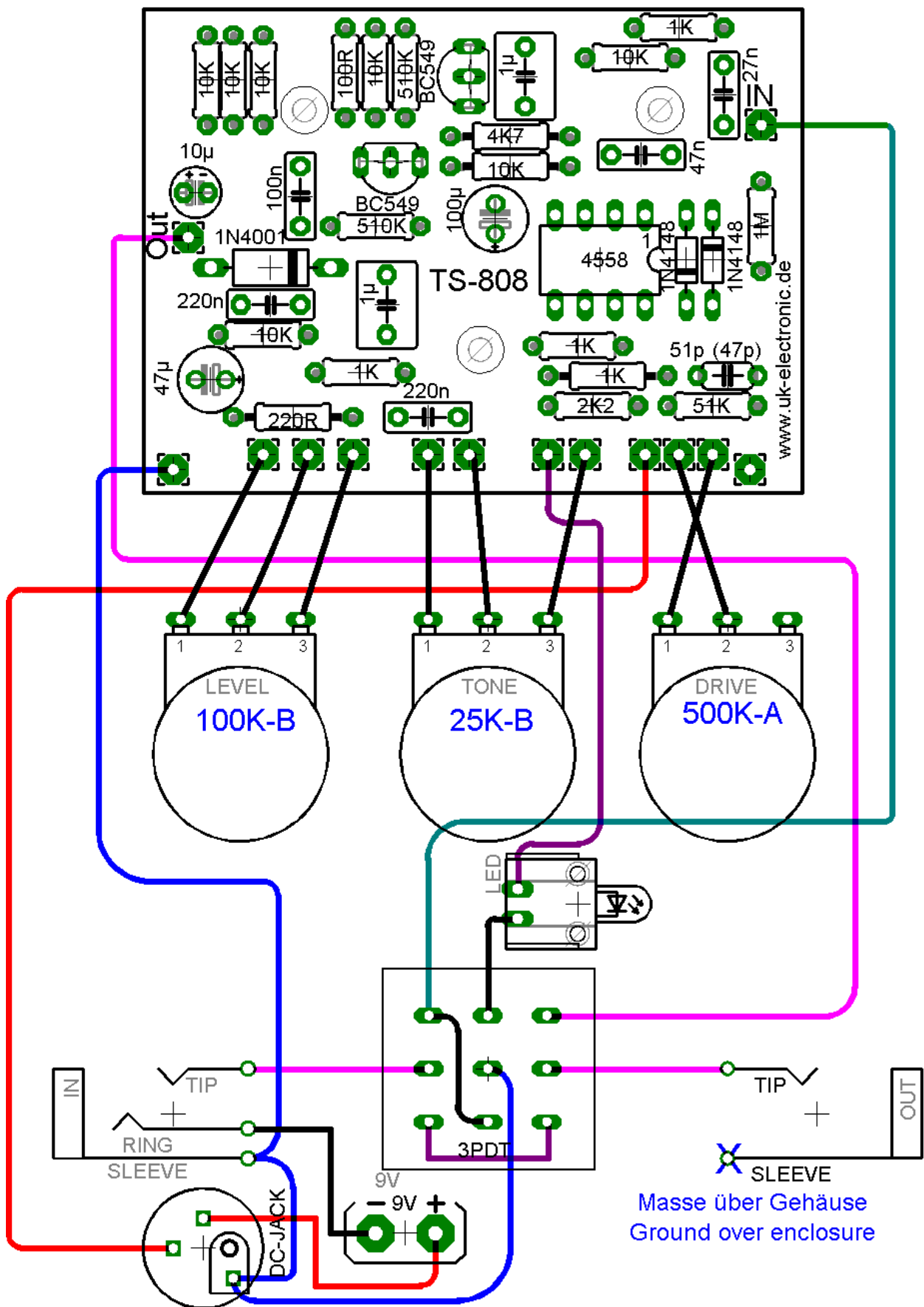
Potentiometer: 7mm

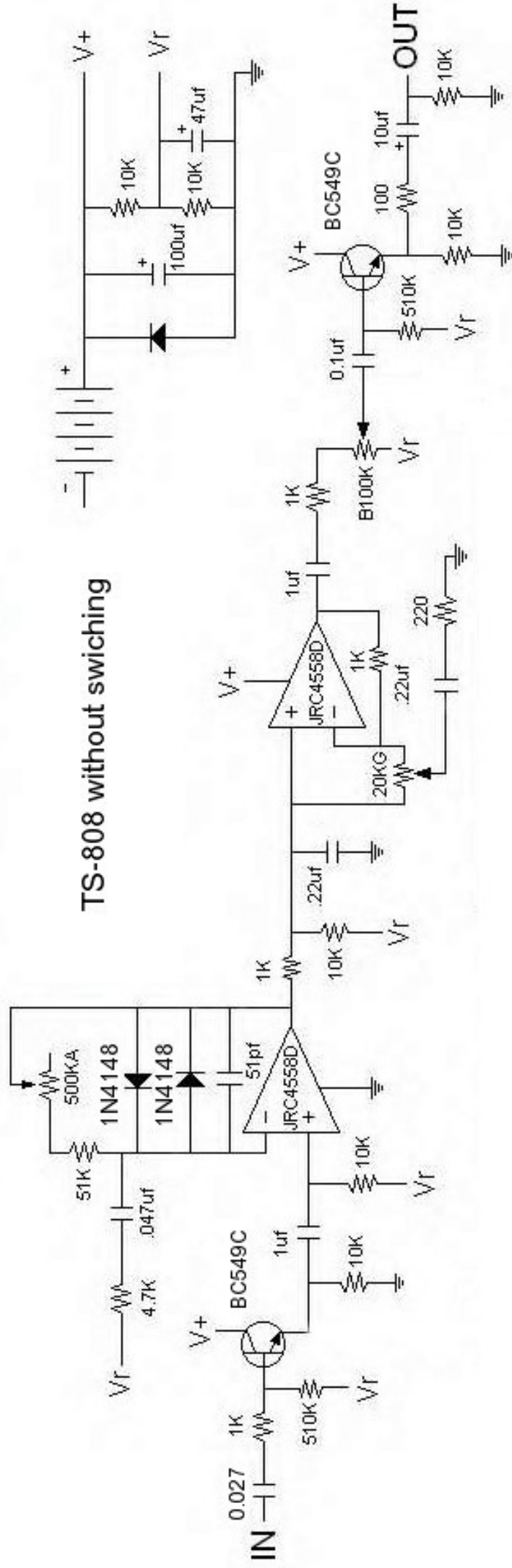
LED-bezel: 6mm

3PDT Switch: 12mm

DC-jack: 12mm

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