

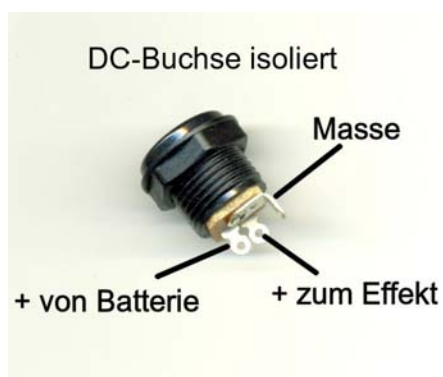
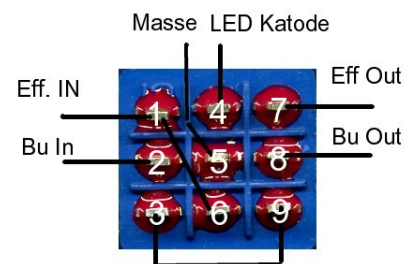
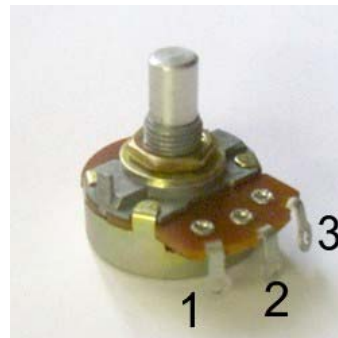
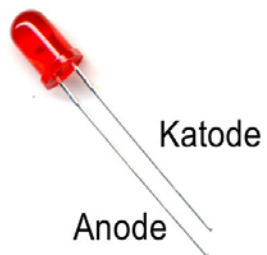
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Assembly manual for OohSeeDee

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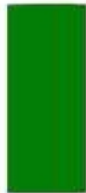




Some connections of important components

Leuchtdiode (LED)



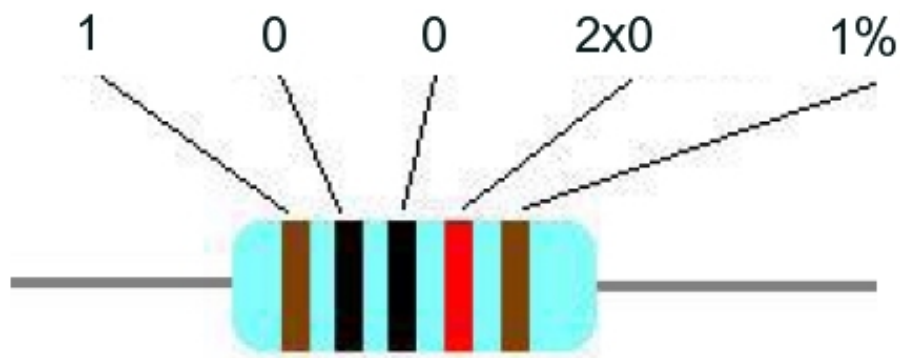
Color table for resistors MF207 FTE52 1% and a example

Resistor color code

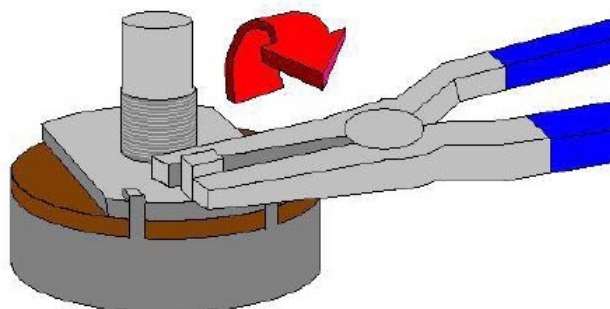
									
0	1	2	3	4	5	6	7	8	9

Example: Resistor MF207 10K 1%

Value: 10000 Ohm = 10KOhm



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

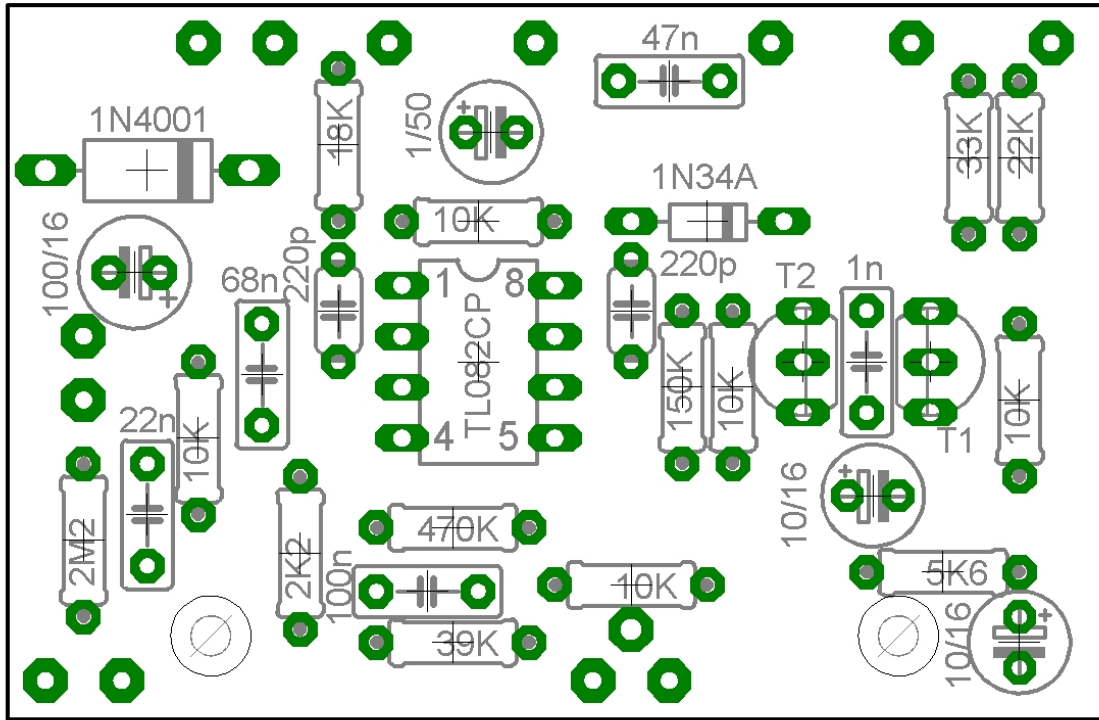


Bill of material

Quantity	Description	Mechanic
1	PCB	
1	Audio Jack mono 1/4"	
1	Audio Jack stereo 1/4"	
1	3PDT Switch	
1	Pot 10K B (linear)	
1	Pot 500K B (linear)	
1	Pot 1M A (logarithmic)	
1	DC-jack isolated 5,5/2,1mm	
1	Battery connector	
1	Some colored wires	
1	SPST toggle switch MS 243LC	
1	IC-socket LC08	
1	LED bezel for 3mm	
2	Washer 10.5 mm	
2	Cable fastener	
2	Self adhesive spacer 12.7mm	
		Integrated circuit
1	TL 082 CP/CN	
		Dioden/ Transistoren
1	Diode 1N4001 (Catode line)	
1	Diode 1N34A (Catode line)	
2	Mosfet 2N7000	
1	LED blue 3mm (short leg catode)	
		Resistors
1	Resistor 2K2 (red/red/black/brown/brown)	
1	Resistor 5K6 (green/Bblue/black/red/brown)	
5	Resistor 10K (brown/black/black/red/brown)	
1	Resistor 18K (brown/grey/black/red/brown)	
1	Resistor 22K (red/red/black/red/brown)	
1	Resistor 33K (orange/orange/black/red/brown)	
1	Resistor 39K (orange/grey/black/red/brown)	
1	Resistor 150K (brown/green/black/orange/brown)	
1	Resistor 470K (yellow/violet/black/orange/brown)	
1	Resistor 2M2 (red/red/black/yellow/brown)	
		Capacitors
2	Capacitor ceramic SDPN 220p (223)	
1	Capacitor foil 1nF MKT	
1	Capacitor foil 22nF MKT	
1	Capacitor foil 47nF MKT	
1	Capacitor foil 68nF MKT	
1	Capacitor foil 100nF MKT	
1	electrolytic 1μF/50V	
2	Electrolytic 10μF/ 25V	
1	Electrolytic100μF/ 25V	

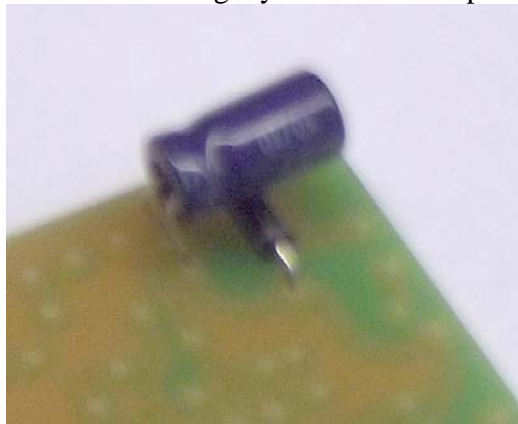
Soldering the PCB

As the first the printed circuit board is soldering with the components showing at the picture illustrated down. For this one should begin with the lowest components (resistors, the diodes, the capacitors and in the end the ic socket and the transistors. As the latter one solders approx. 5cm long wires into the drill holes for the potentiometers. 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.

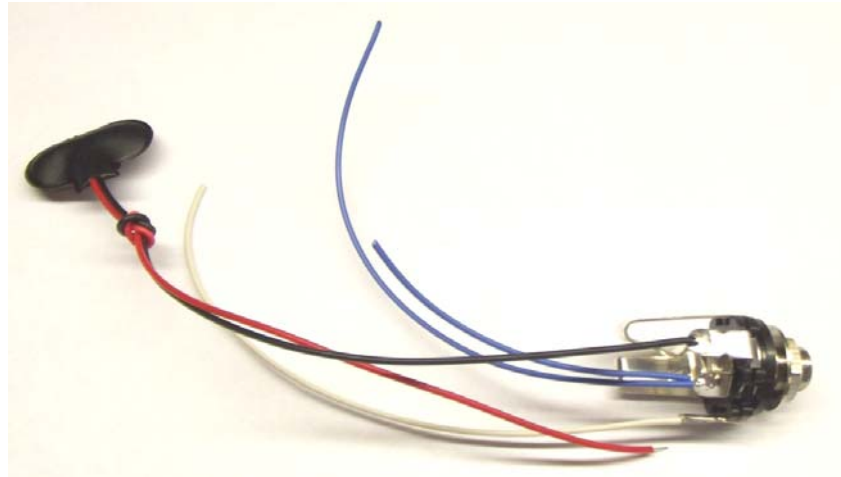


T1/T2= 2N7000

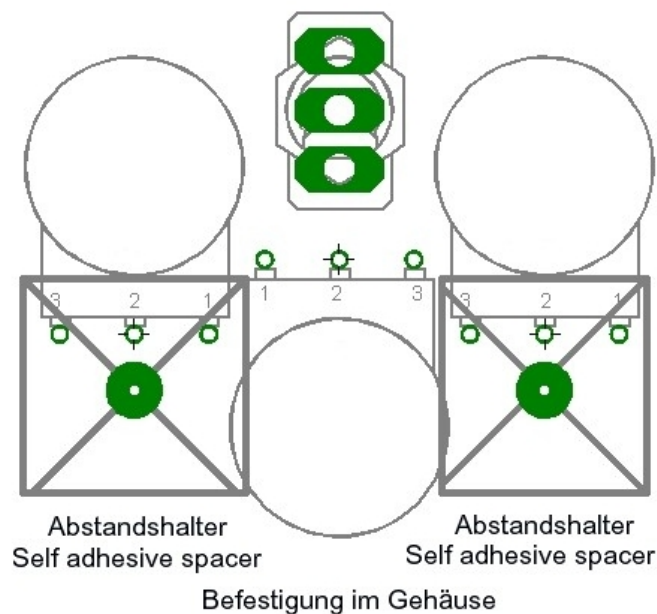
The Electrolytic cap 100 μ F/25 must soldering lay down. See the pic.



If the printed circuit board is soldered then goes it to the assembly of the mechanical components in the enclosure and the external wiring. Provided that the enclosure is already preparatory with all drillings. The LED is used in such a way that the short leg (catode) points to the switch. The 3PDT switch comes in such a way into the housing that the groove shows either upward or downward in the thread of the switch. One should wire the input jack before. 2 wires at ground (Sleeve), ring → black wire of the battery connector and a wire which goes then to the switch.



The wires of the battery connector can be shorting and the cutting black wire can be soldering at the tip from the input jack. The connection switch → output jack soldering from the switch to the jack with a cutting pcs. From a resistor. If that is done everything, only the soldered printed circuit board needs to be connected with the potentiometers and the SPST switch, as well as be led the external wires by the switch and the current supply to the printed circuit board. One solders these appropriate way equivalent from downside to the appropriate points. The mounting of the printed circuit board in the enclosure takes place by means of the self adhesive spacers provided, which are positioned **before** the two outside potentiometers.



Drill dimension:

Potentiometer : 7mm

Audio jacks : 9.3mm

3PDT-switch: 12mm

DC-jack: 12mm

LED bezel : 6mm

SPST-Switch: 5mm

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