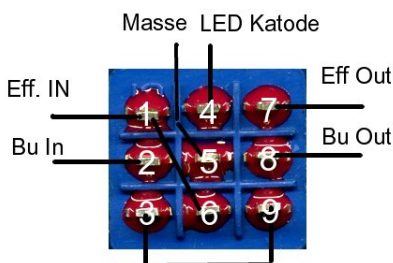
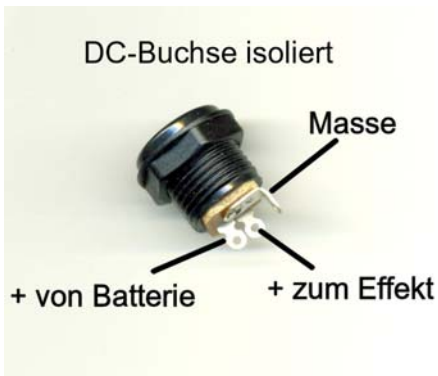
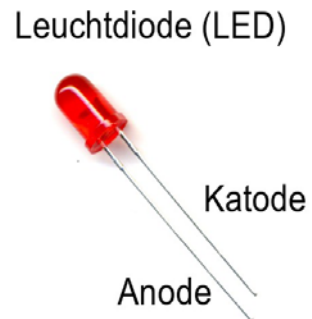
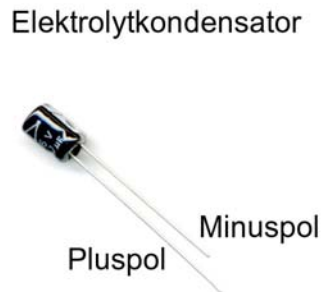


UK-electronic ©2010/15

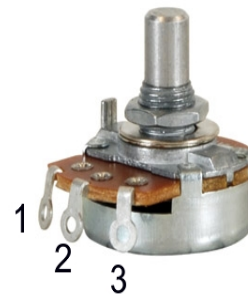
Assembly manual for the Kit Big Muff (Stock Version)

Page 2.....	Basics
Page 3.....	Bill of material
Page 4.....	Soldering the pcb
Page 5.....	Offboard wiring diagram
Page 6.....	Mounting
Page 7.....	Circuit sheet
Page 8.....	Drill template

Some connections of important components













Standard Potentiometer



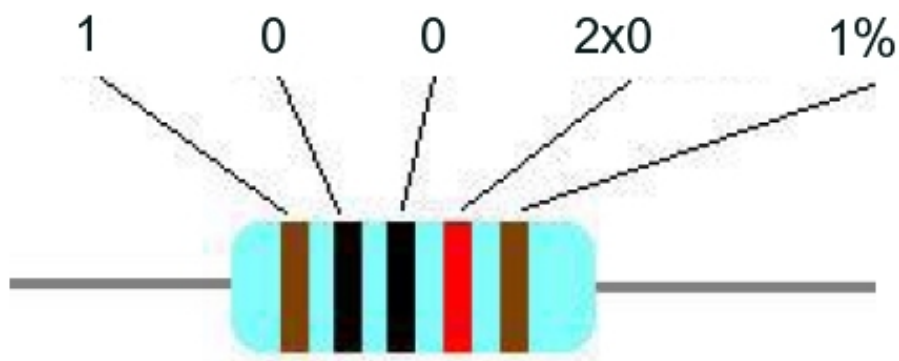
Color table for resistors MF207 FTE52 1% and a example

Resistor color code

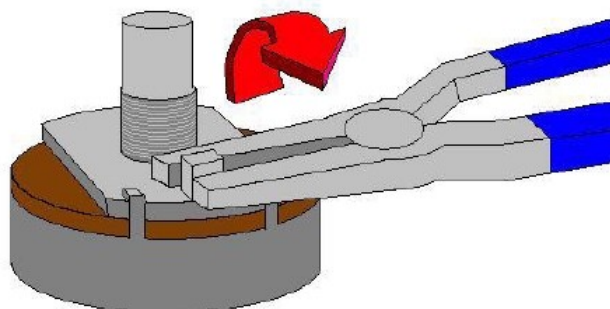
									
0	1	2	3	4	5	6	7	8	9

Example: Resistor MF207 10K 1%

Value: 10000 Ohm = 10KOhm



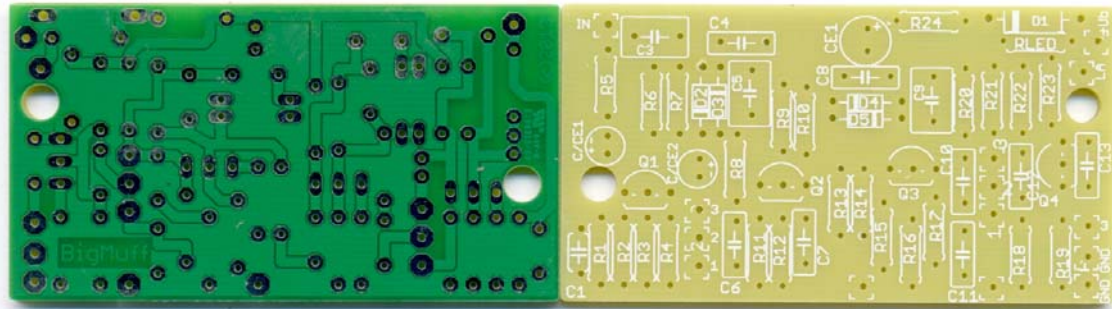
Breaking nose at the potentiometer
Nase am Poti mit einer Flachzange abbrechen



Bill of material

1	PCB Big Muff all versions
1	Audio jack mono 6,35mm
1	Audio jack stereo 6,35mm
1	3PDT switch
1	LED red 3mm Low Current
1	LED bezel for 3mm LED
1	Pot 100K-B (linear)
2	Pot 100K-A (logarithmic)
1	DC-jack 2.1/5.5 isolated
1	Battery connector 9V
2	Self adhesive spacer pcb (12,7mm)
3	Cable fastener
1	Some colored wire
4	2N5088 – Q1, Q2, Q3, Q4
1	Diode 1N5817 (Kathode line)- D1
4	Diode 1N4148 (Kathode line)- D2, D3, D4, D5
1	Resistor 22R (red/red/black/gold/brown) – R24
3	Resistor 100R (brown/black/black/black/brown) – R2, R9, R14
1	Resistor 1K (brown/black/black/brown/brown) – R4
2	Resistor 2K2 (red/red/black/brown/brown) – R LED, R19
2	Resistor 8K2 (grey/red/black/brown/brown) – R8, R13
1	Resistor 10K (brown/black/black/red/red) – R23
3	Resistor 15K (brown/green/black/red/brown) – R7, R10, R21
2	Resistor 39K (orange/white/black/red/brown) – R5, R17
5	Resistor 100K (brown/black/black/orange/brown) – R3, R12, R15, R16, R18
1	Resistor 390K (orange/white/black/orange/brown) – R22
3	Resistor 470K (yellow/violet/black/orange/brown) – R6, R9, R20
1	Resistor 1M (brown/black/black/yellow/brown) – R1
1	Capacitor ceramic 100pF = 101 – C1
3	Capacitor 470pF = 471 – C5, C9, C3
1	Capacitor MKT 3,9nF (0.0039μF) – C10
1	Capacitor MKT 10nF (0.01μF) – C11
6	Capacitor MKT 100nF (0.1μF) – C6, C4, C7, C8, C12, C13
2	Electrolytic capacitor RASM 1μF/50V – C/CE1, -C/CE2
1	Electrolytic capacitor RASM 100μF/16V – CE1

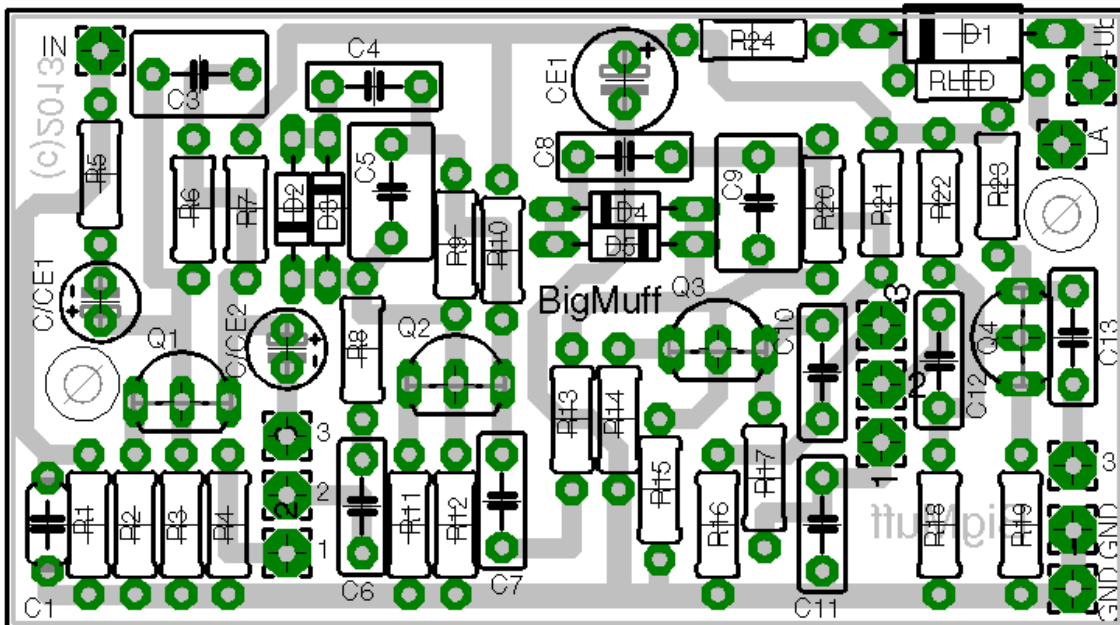
Picture of the pcb Top/Bottom



Soldering the pcb

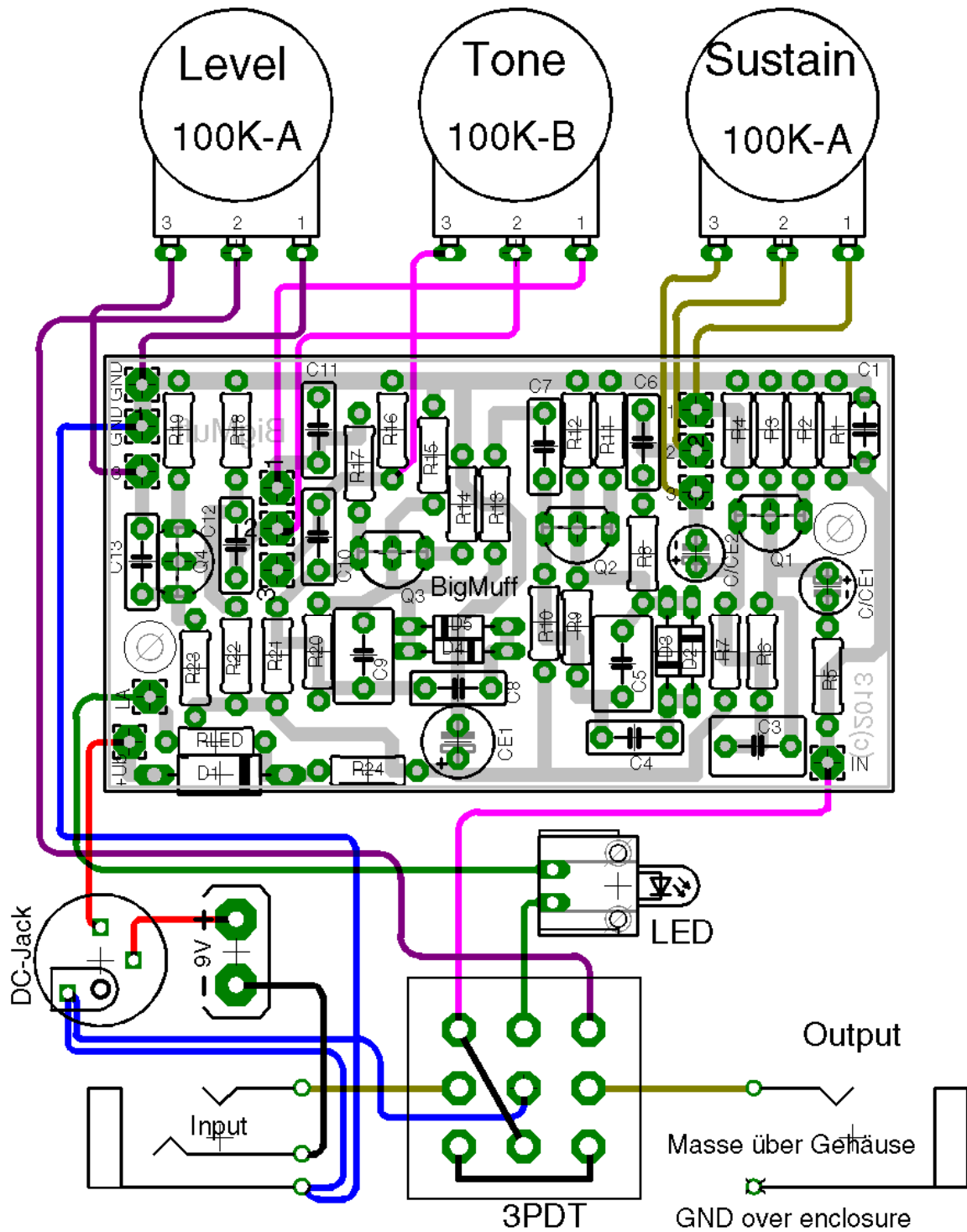
First, the printed circuit board is assembled by means of the placement schedule shown below. For this we should start with the lowest components to be fitted, ie as the first resistors, diodes, capacitors, transistors and circuit. Clean work, especially the execution of the solder joints should have top priority to generally exclude from the outset assembly and solder defects. The capacitors C/CE1 and C/CE2 are in this variant polarized electrolytic capacitors.

Layout



Off board wiring

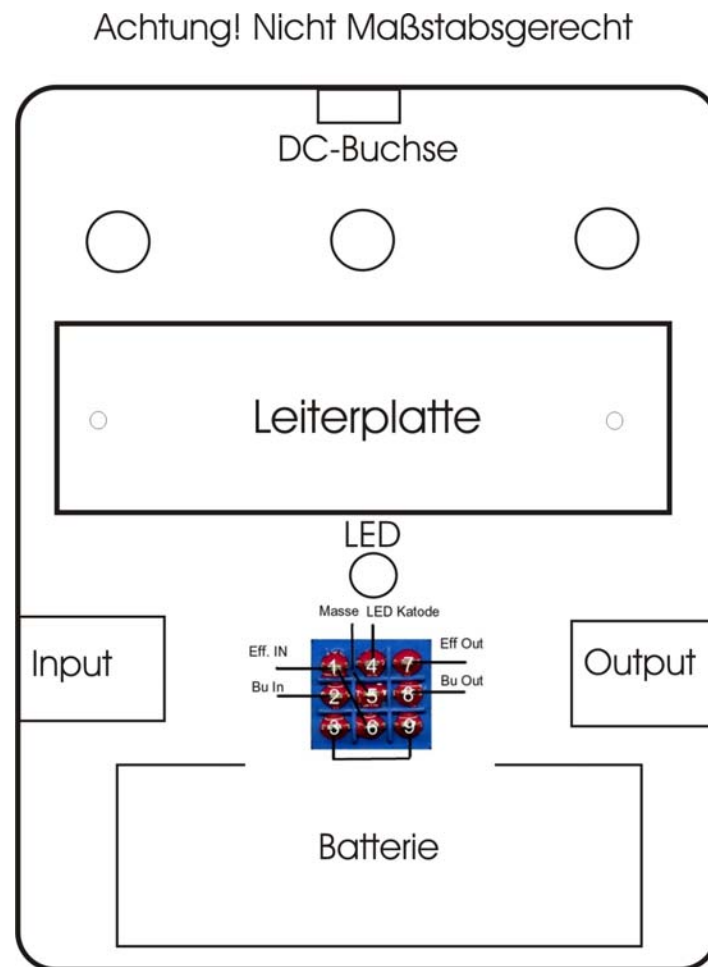
Lug3 tone direct under R16



As enclosure used a 1590BB (GEH090) or other.

The mechanical components you can placed shown at the picture below.

Template for a enclosure Hammond 1590BB or GEH090



Drill parameters fort the enclosure:

Potentiometer : 7mm

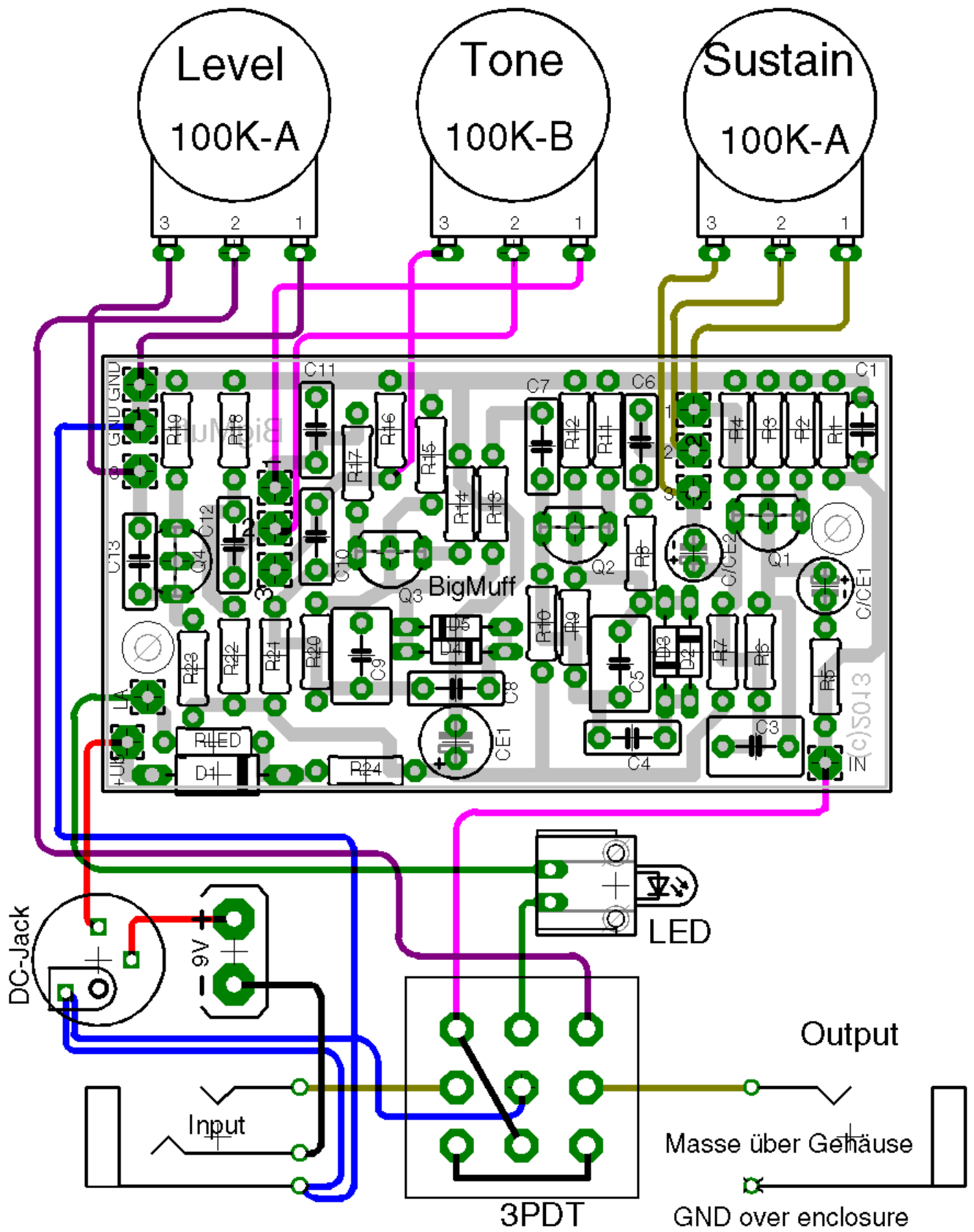
Audio jacks : 9.3mm

3PDT-switch: 12mm

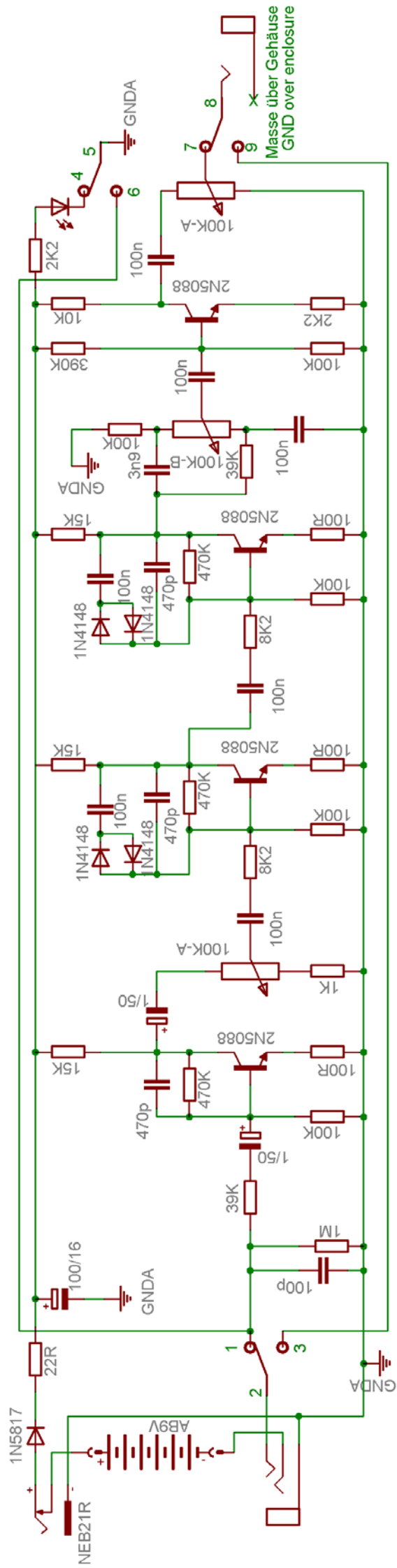
DC-jack: 12mm

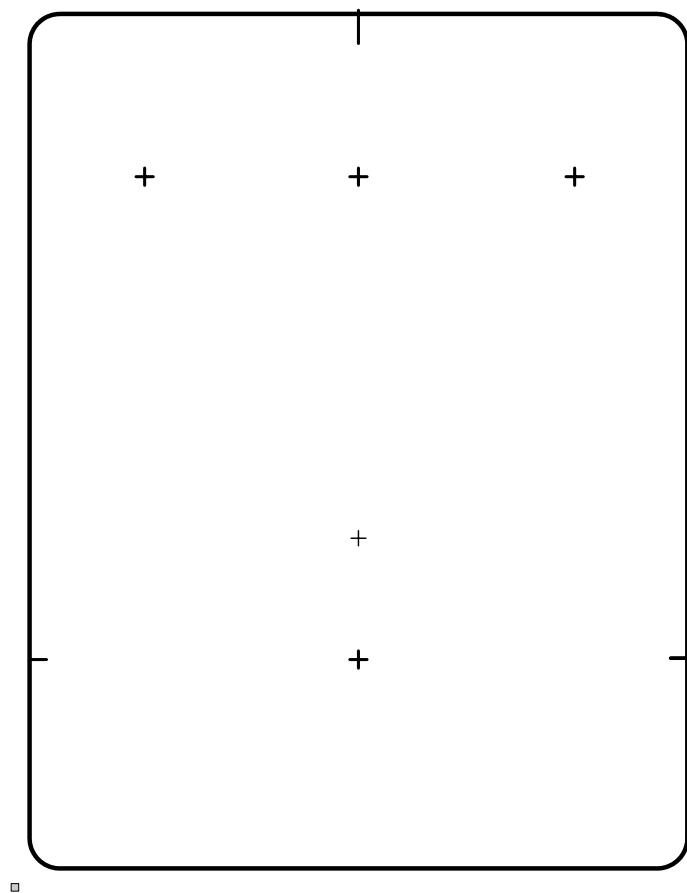
LED bezel: 6mm

Lug3 tone direct under R16



Big Muff (Stock Version)







electro-harmonix
MADE IN NYC, USA