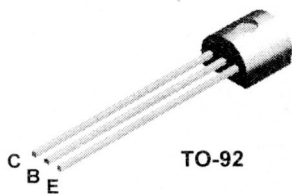


Assembly manual for the Kit Big Muff (Triangel Version)

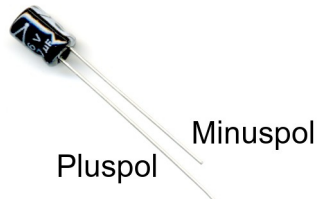
Page 2.....	Basics
Page 3.....	Bill of material
Page 4.....	Soldering the pcb
Page 5.....	Offboard wiring diagram
Page 6.....	Mounting
Page 7.....	Circuit sheet
Page 8.....	Drill template

Some connections of important components

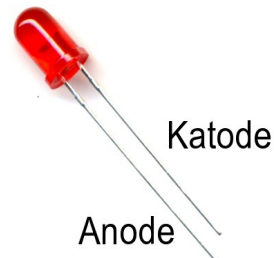
TP109B
2N5088
2N5089



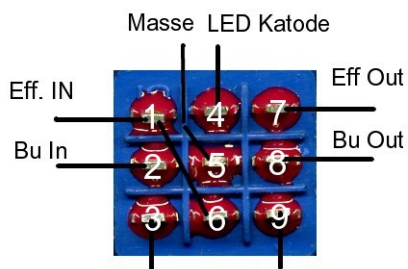
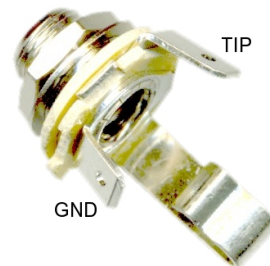
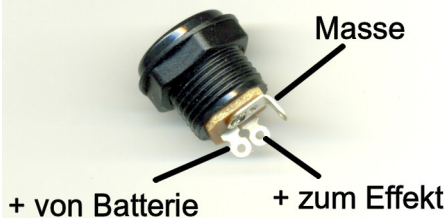
Elektrolytkondensator



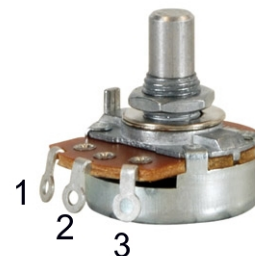
Leuchtdiode (LED)



DC-Buchse isoliert













Standard Potentiometer



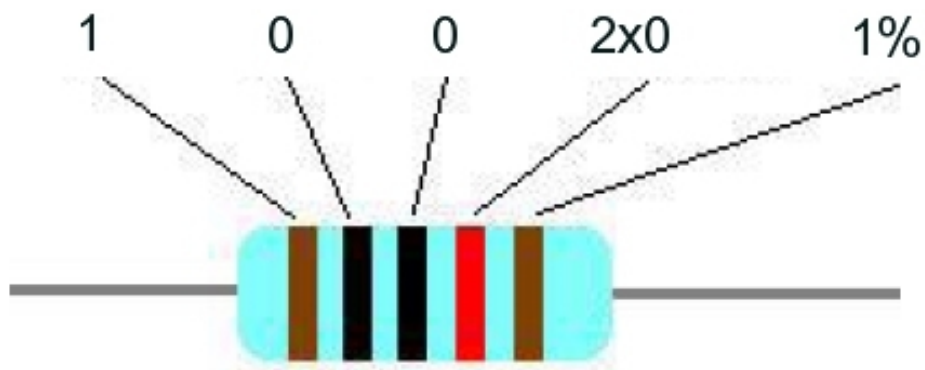
Color table for resistors MF207 FTE52 1% and a example

Resistor color code

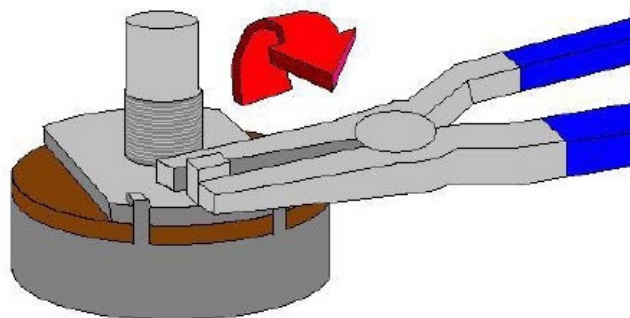
									
0	1	2	3	4	5	6	7	8	9

Example: Resistor MF207 10K 1%

Value: 10000 Ohm = 10KOhm



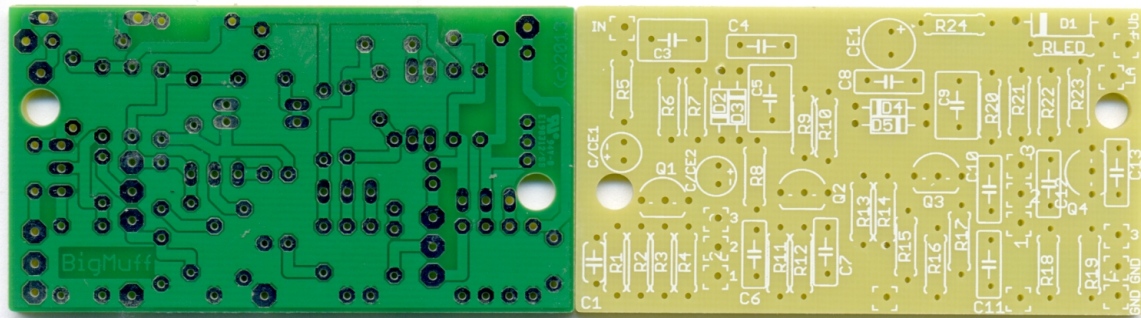
Breaking nose at the potentiometer
Nase am Poti mit einer Flachzange abbrechen



Materialliste / bill of material

1	PCB Big Muff
1	Mono jack
1	Stereo jack
1	3PDT switch
1	LED red 3mm
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 (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
1	Resistor 150R (brown/green/black/black/brown) – R11
2	Resistor 820R (grey/red/black/black/brown) – R2, R14
1	Resistor 1K (brown/black/black/brown/brown) – R4
1	Resistor 2K2 (red/red/black/brown/brown) – R LED
1	Resistor 2K7 (red/violet/black/brown/brown) – R19
2	Resistor 8K2 (grey/red/black/brown/brown) – R8, R13
2	Resistor 12K (brown/red/black/red/brown) – R10, R23
2	Resistor 22K (red/red/black/red/brown) – R7, R21
1	Resistor 33K (orange/orange/black/red/brown) – R5
2	Resistor 39K (orange/white/black/red/brown) – R16, R17
2	Resistor 82K (grey/red/black/red/brown) – R3, R15
1	Resistor 100K (brown/black/black/orange/brown) – R18
4	Resistor 390K (orange/white/black/orange/brown) – R6, R9, R20, R22
1	Resistor 1M (brown/black/black/yellow/brown) – R1
1	Capacitor ceramic 100pF = 101 – C1
2	Capacitor ceramic or mylar 560pF =561 – C5, C9
1	Capacitor MKT 3,9nF (0.0039μF) – C10
1	Capacitor MKT 10nF (0.01μF) – C11
2	Capacitor MKT 47nF (0.047μF) – C4, C8
4	Capacitor MKT 100nF (0.1μF) – C6, C7, C12, C13
2	Capacitor MKS2 100nF (0.1μF) RM 2.5 – C/CE1, -C/CE2
1	Electrolytic capacitor RASM 100μF/16V – CE1

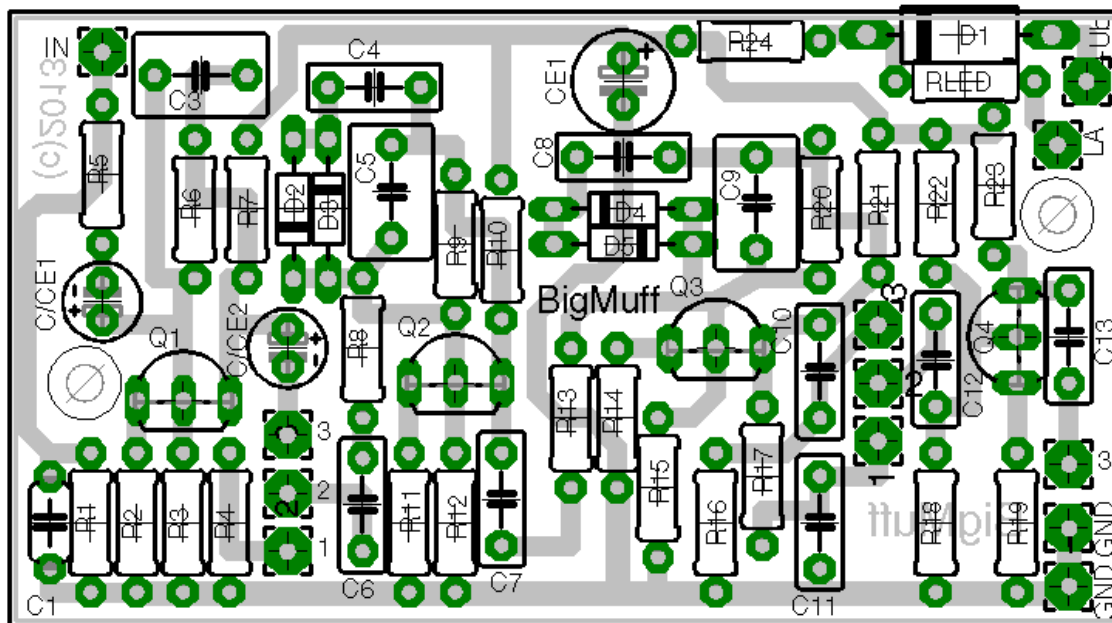
Picture of the pcb top/bottom



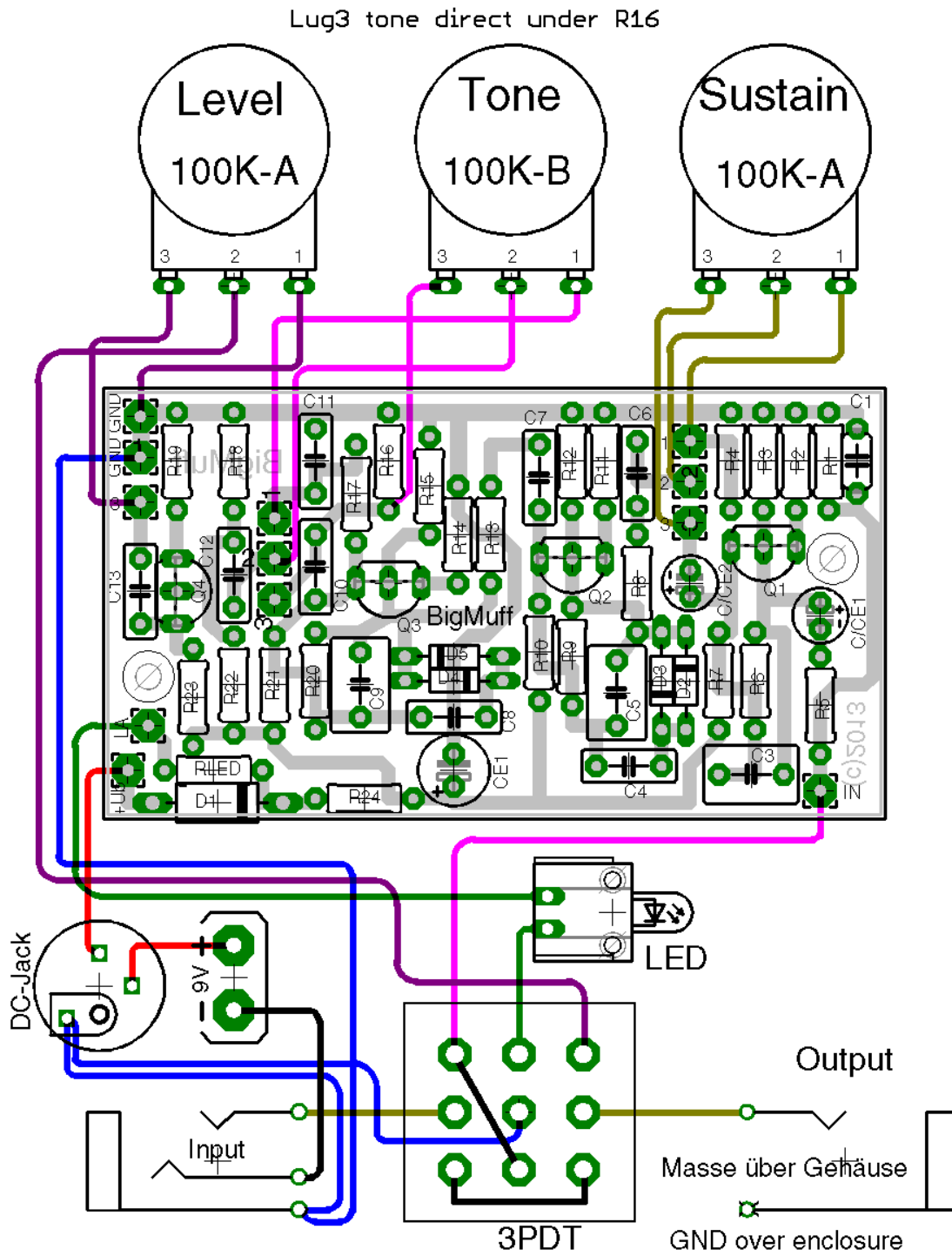
Soldering the pcb

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 non-polarized capacitors MKT pitch 2.5mm (100nF).

Layout



Offboard wiring

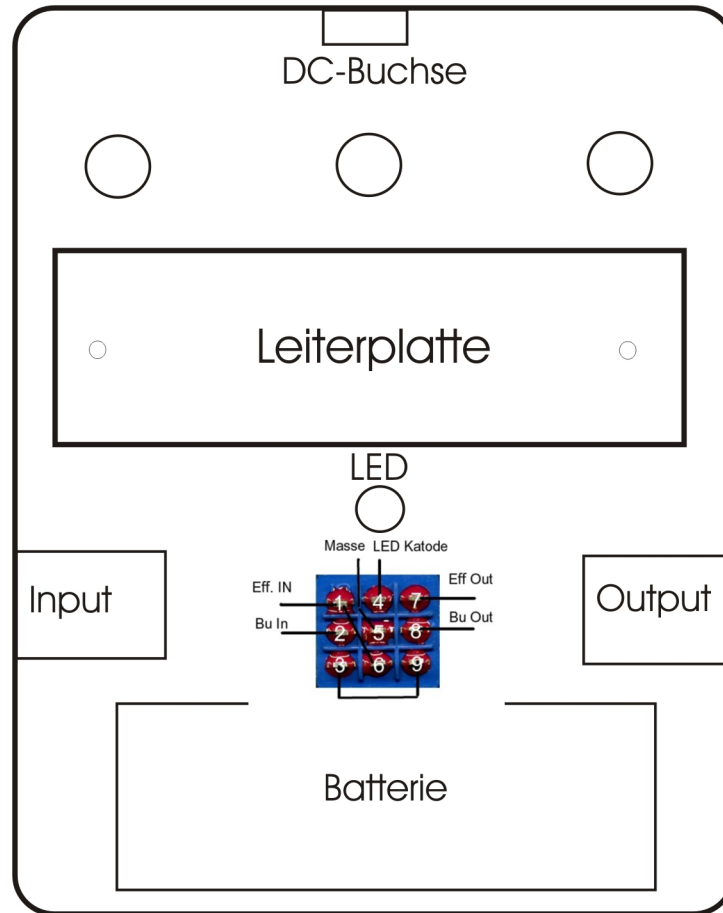


As enclosure used a 1590BB (GEH090) or other.

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

Template for a enclosure Hammond 1590BB or GEH090

Achtung! Nicht Maßstabsgerecht



Drill parameters fort the enclosure:

Potentiometer : 7mm

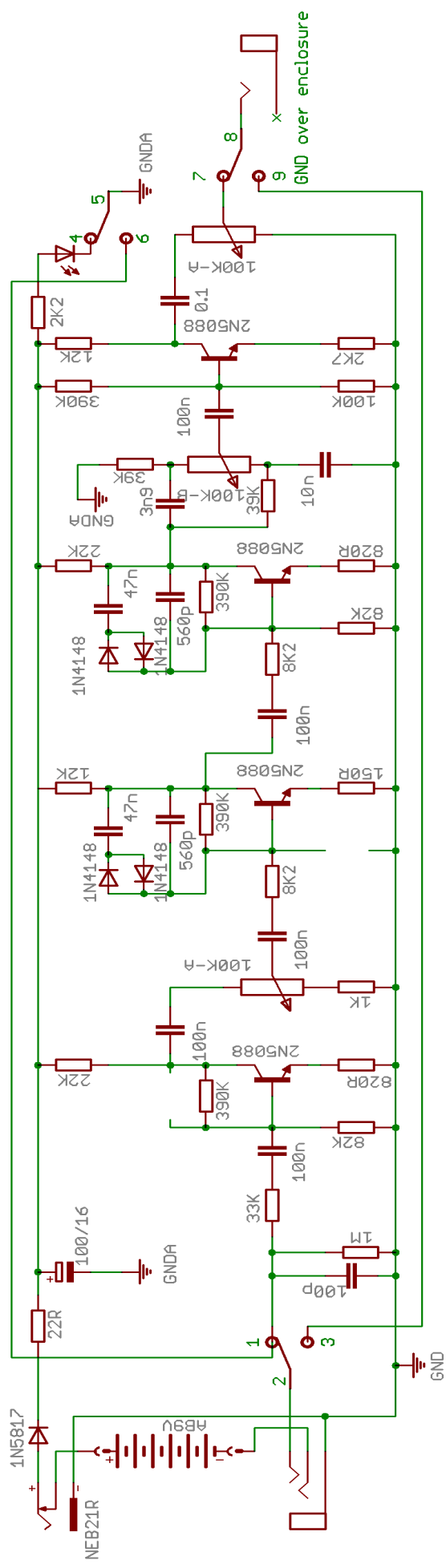
Audio jacks : 9.3mm

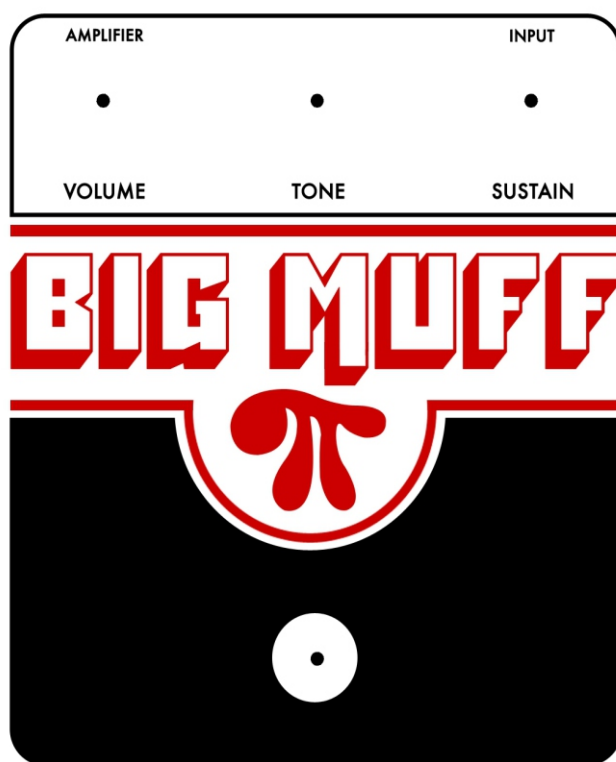
3PDT-switch: 12mm

DC-jack: 12mm

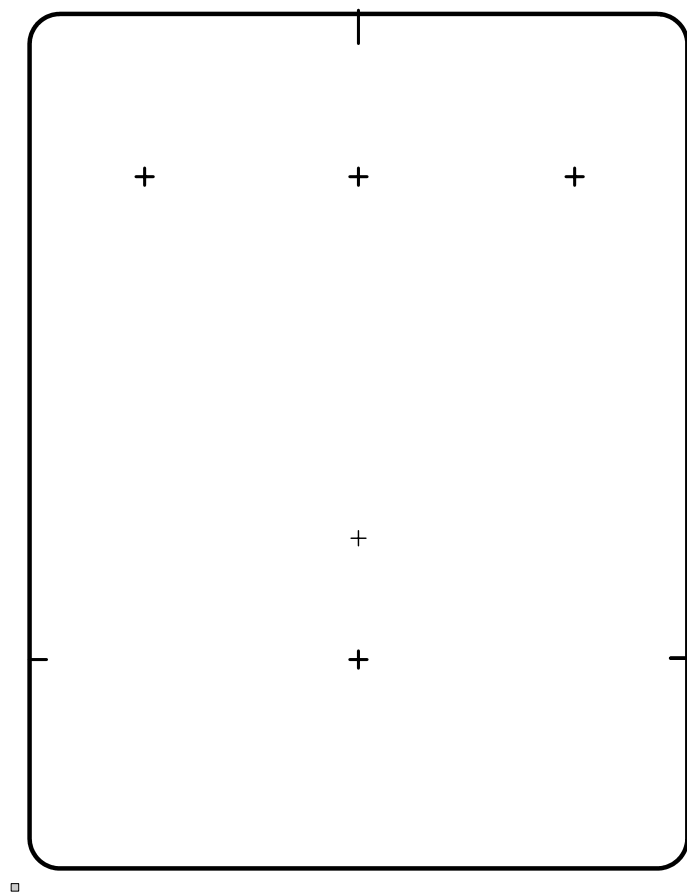
LED bezel: 6mm

Big Muff (Triangle Version)





electro-harmonix
MADE IN NYC, USA



□