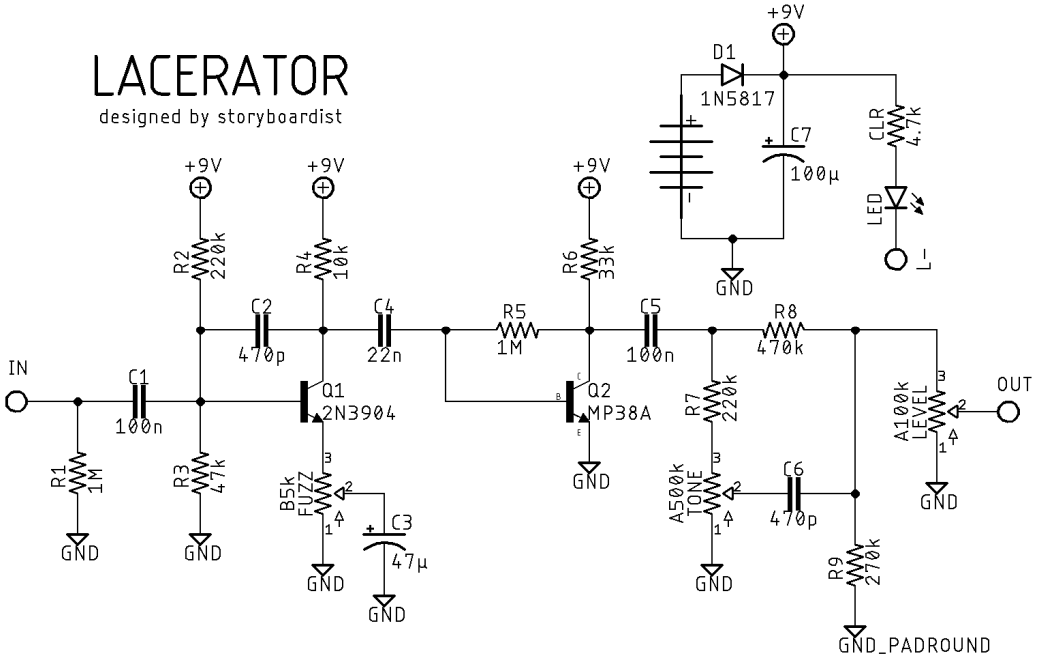
Lacerator

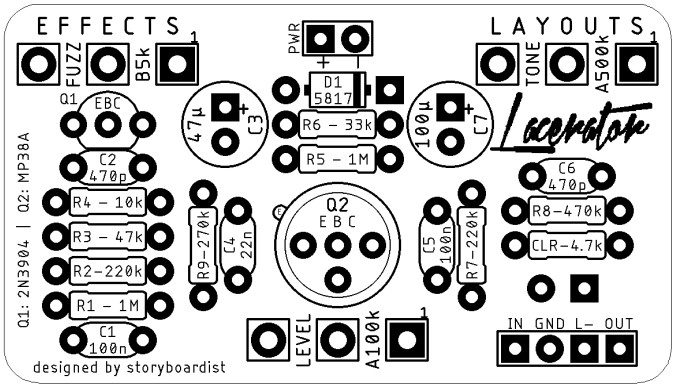
DESCRIPTION

The LACERATOR is a medium gain silicon/germanium hybrid fuzz based on my Pomade Fuzz Box. It's similar to a 2-knob Park Fuzz, but with the darlington pair of the Park simplified into a single silicon transistor. The added tone control is subtle but helps tame some highs. It cleans up nicely with the volume control of the guitar and sounds great pushing a tube amp.

SCHEMATIC



LAYOUT



BILL OF MATERIALS

Resistors

R1	1M
R2	220k
R3	47k
R4	10k
R5	1M
R6	33k
R7	220k
R8	470k
R9	270k
CLR	4.7k

Capacitors

C1	100n
C2	470p
C3	47µ
C4	22n
C5	100n
C6	470p
C7	100µ

Semiconductors

D1	1N5817
LED	3 or 5mm
Q1	2N3904
Q2	MP38A or similar germanium

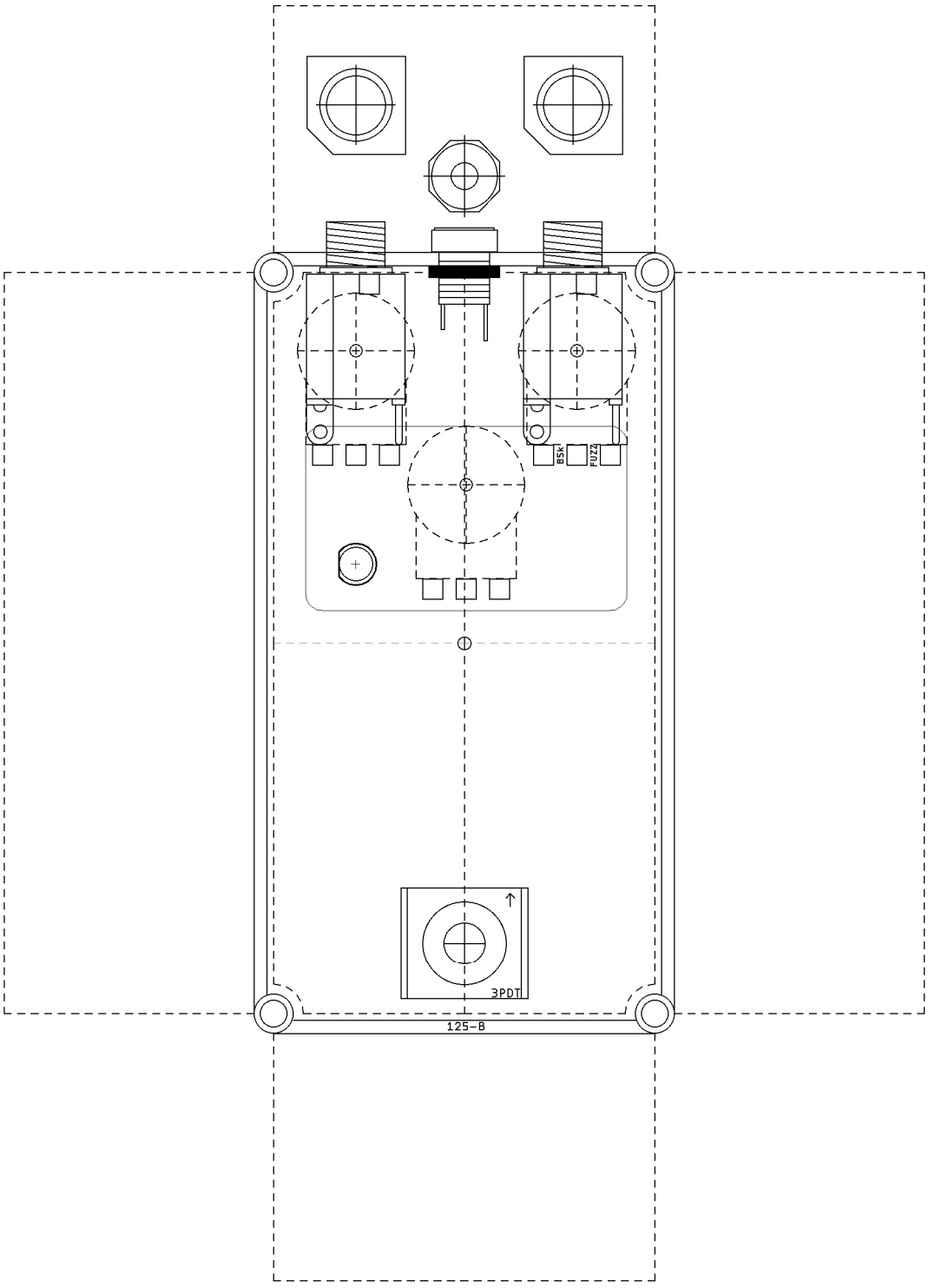
Electromechanical

Fuzz	B5k
Level	A100k
Tone	A500k

SHOPPING LIST

Value	**Type** (suggested)	**Quantity**
4.7k	¼ watt metal or carbon film	1
10k	¼ watt metal or carbon film	1
33k	¼ watt metal or carbon film	1
47k	¼ watt metal or carbon film	1
220k	¼ watt metal or carbon film	2
270k	¼ watt metal or carbon film	1
470k	¼ watt metal or carbon film	1
1M	¼ watt metal or carbon film	2
470p	Ceramic	2
22n	Film	1
100n	Film	2
47µ	Electrolytic (35v or higher)	1
100µ	Electorlytic (35v or higher)	1
1N5817	Schottky rectifier diode	1
LED	3 or 5 mm	1
2N3904	BJT	1
MP38A	Germanium BJT	1
A100k	16mm right angle PC mount	1
A500k	16mm right angle PC mount	1
B5k	16mm right angle PC mount	1

DRILL TEMPLATE (125B)



DRILL TEMPLATE (1590B)