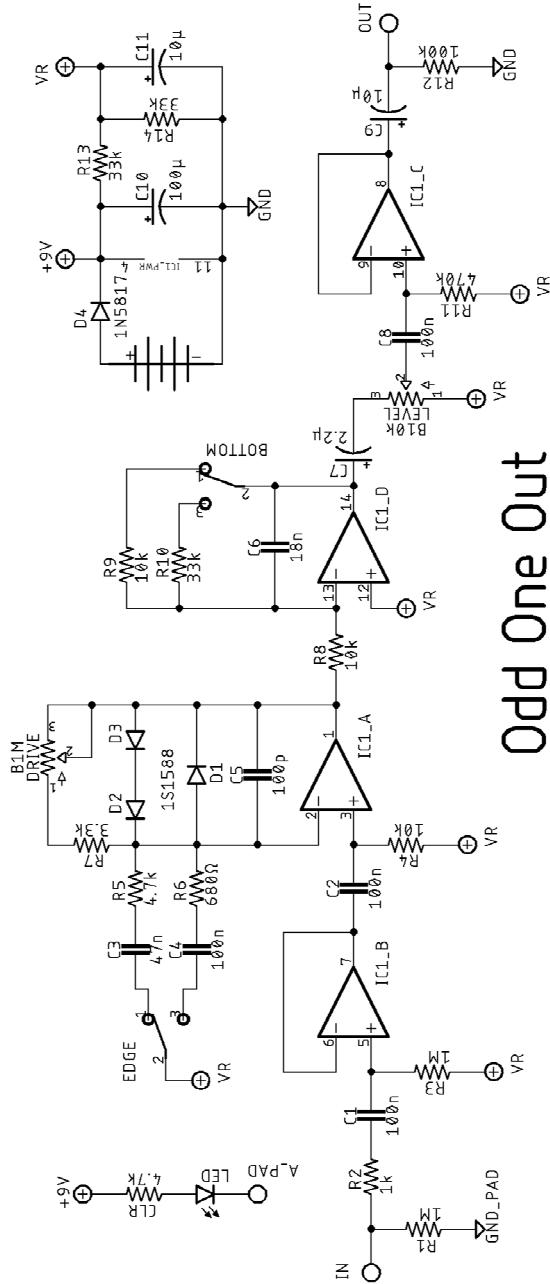


ODD ONE OUT

DESCRIPTION

The ODD ONE OUT is a variation of the original Boss OD-1 Overdrive (the one with the quad opamp), incorporating 2 extra toggle switches for adjusting the bass response from the Jersey Girl Fulltender. This is one of my favorite sounding overdrives and an easy fit in either a 1590B or 125B.

SCHEMATIC



BOM

Resistors

R1	1M
R2	1k
R3	1M
R4	10k
R5	4.7k
R6	680Ω
R7	3.3k
R8	10k
R9	10k
R10	33k
R11	470k
R12	100k
R13	33k
R14	33k
CLR	4.7k

Capacitors

C1	100n
C2	100n
C3	47n
C4	100n
C5	100p
C6	18n
C7	2.2μ
C8	100n
C9	10μ
C10	100μ
C11	10μ

Semiconductors

D1	1S1588
D2	1S1588
D2	1S1588
D4	1N5817
IC1	LF444
LED	3 or 5mm LED

Electromechanical

Bottom	SPDT on/on
Drive	B1M
Edge	SPDT on/on
Level	B10k

Note:

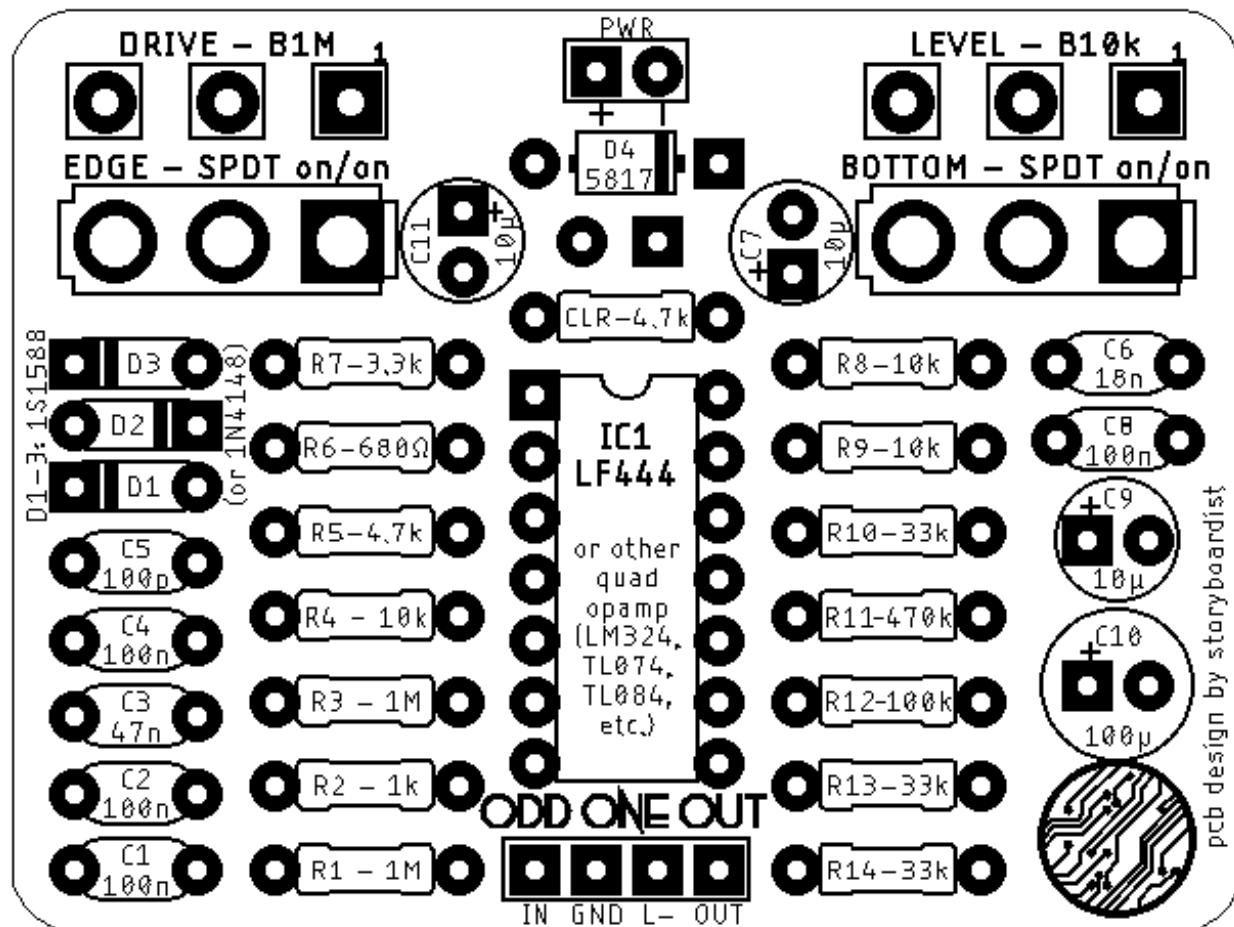
Just about any quad opamp can be used (the TL074 sounds just fine). D1-3 can be just about any diode as well (1N4148 or 1N916 are good alternatives to the 1S1588).

SHOPPING LIST

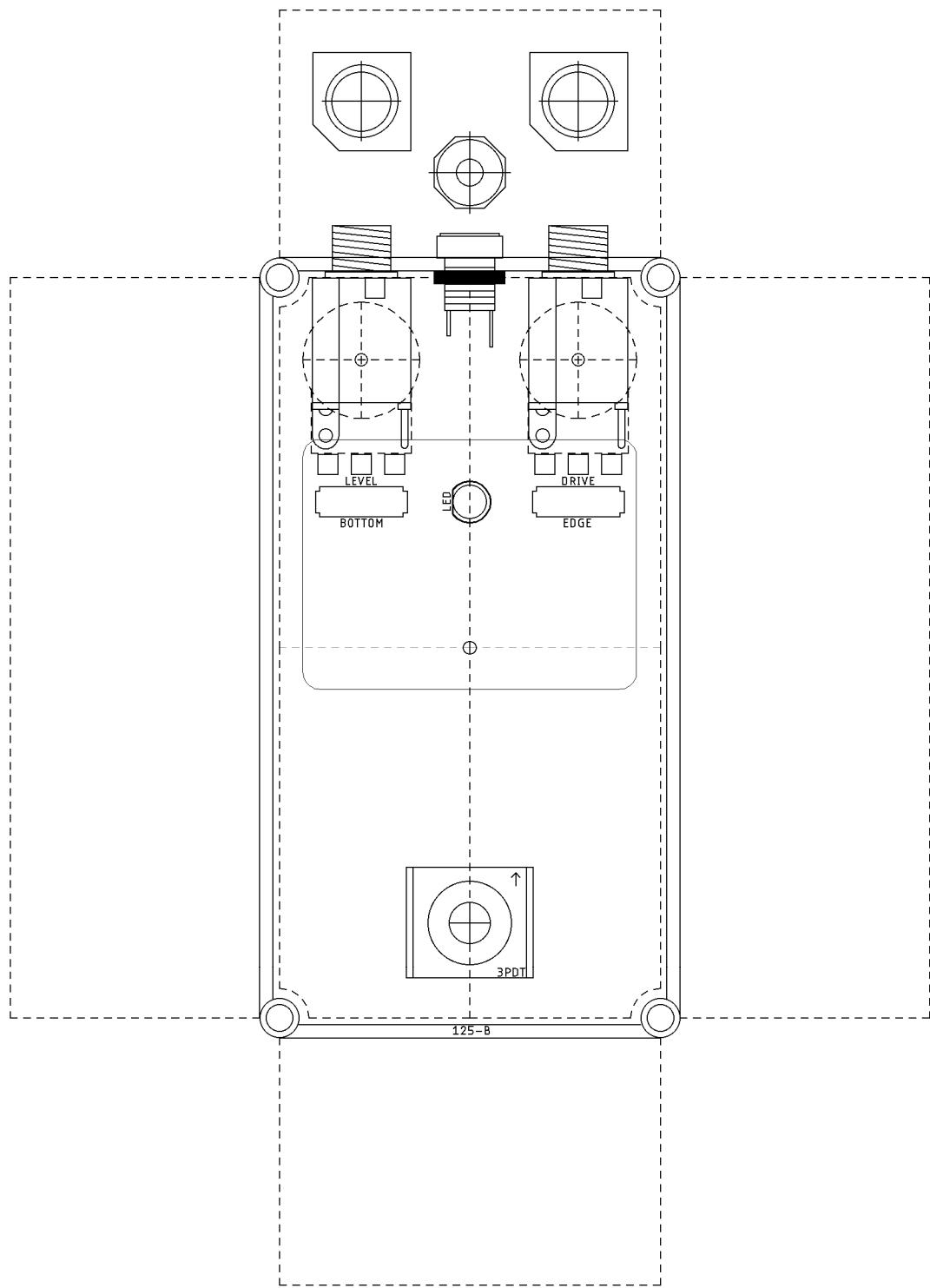
Value	Type (suggested)	Quantity
680Ω	½ watt metal or carbon film	1
1k	½ watt metal or carbon film	1
3.3k	½ watt metal or carbon film	1
4.7k	½ watt metal or carbon film	2
10k	½ watt metal or carbon film	3
33k	½ watt metal or carbon film	3
100k	½ watt metal or carbon film	1
470k	½ watt metal or carbon film	1
1M	½ watt metal or carbon film	2
100p	Ceramic	1
18n	Film	1

47n	Film	1
100n	Film	4
2.2 μ	Electrolytic (35v or higher)	1
10 μ	Electrolytic (35v or higher)	2
100 μ	Electrolytic (35v or higher)	1
1S1588	Silicon switching signal diode	3
1N5817	Schottky rectifier diode	1
LF444	Quad opamp	1
3 or 5mm LED		1
SPDT	On/on toggle switch	2
B10k	16mm right angle PC mount	1
B1M	16mm right angle PC mount	1

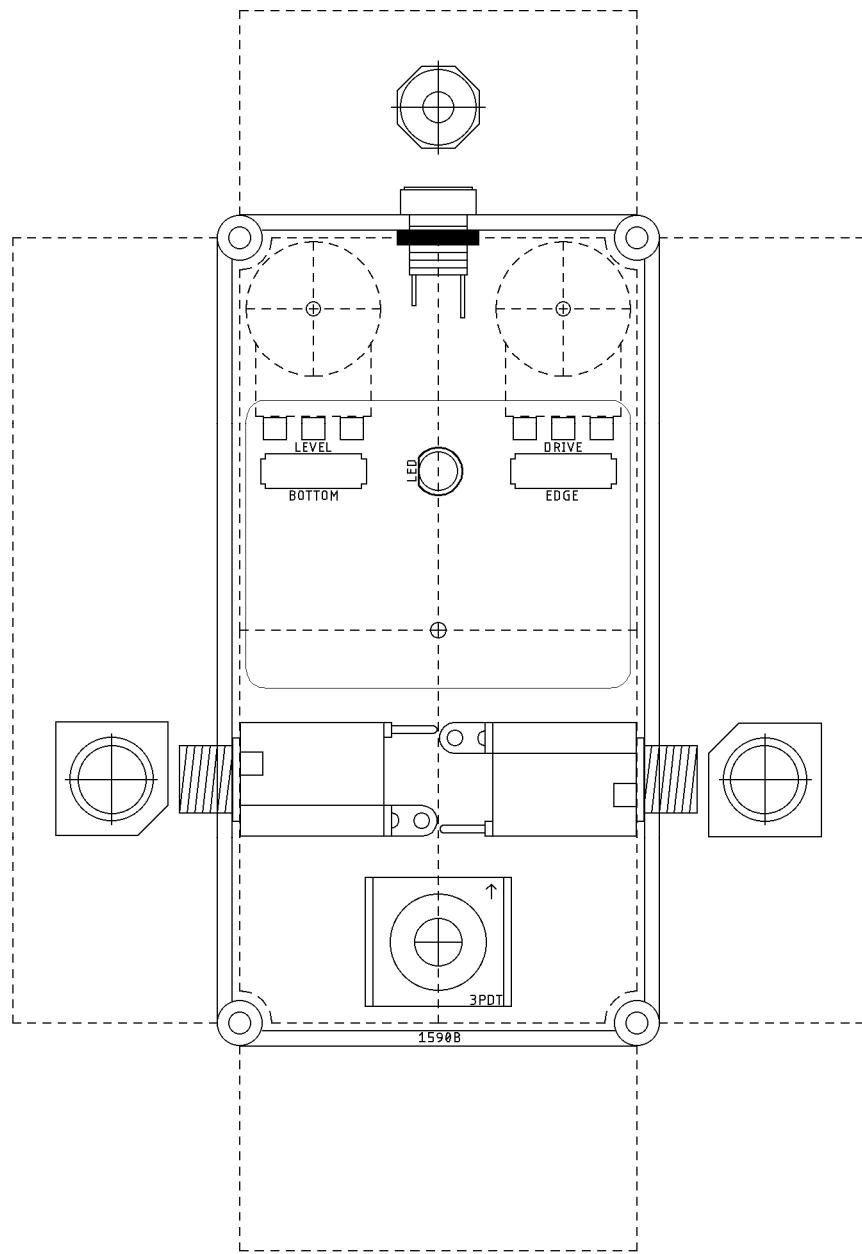
LAYOUT



DRILL TEMPLATE (125B)



DRILL TEMPLATE (1590B)



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