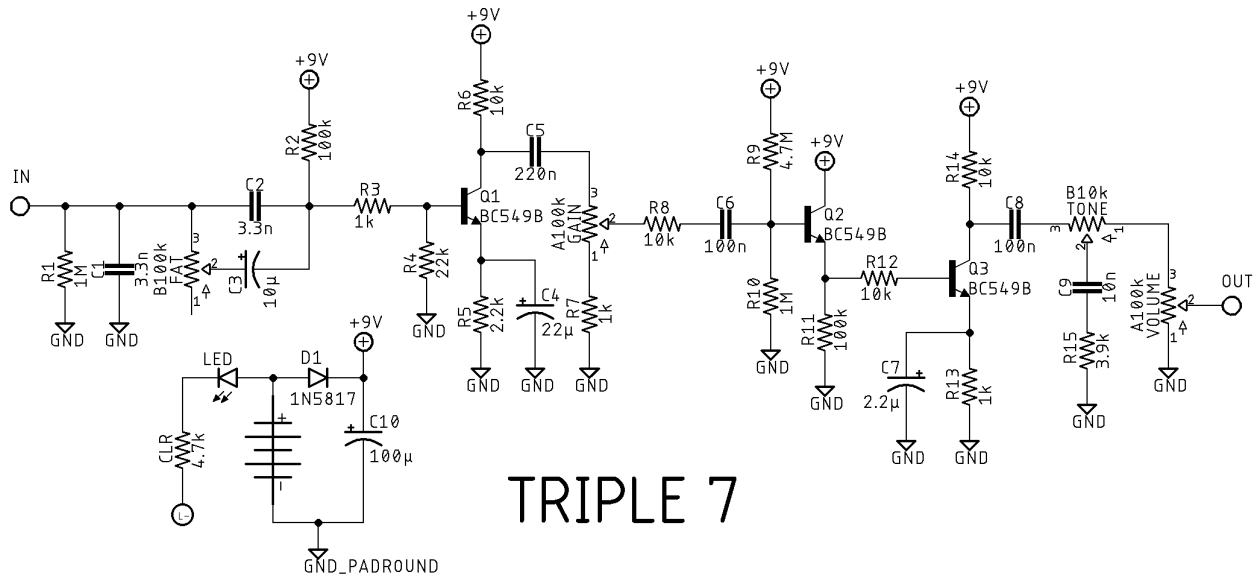


TRIPLE SEVEN

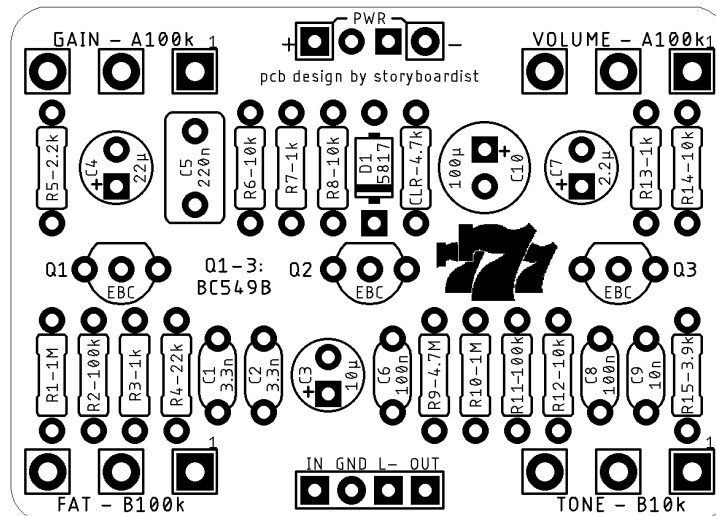
DESCRIPTION

The TRIPLE SEVEN is a simple transistor-based dirt pedal that's not really a distortion and not really an overdrive, but a bit of both and everything in between. It's designed around 3, low-medium gain transistors (BC549B or 2N5550s sound great) and tonally covers a lot of ground with the Fat control at the input blending in a high value cap in parallel with a low value one, and a simple treble cut Tone control at the output. Based on the Basic Audio Lucky Number.

SCHEMATIC



LAYOUT



BOM

Resistors

R1	1M
R2	100k
R3	1k
R4	22k
R5	2.2k
R6	10k
R7	1k
R8	10k
R9	4.7M
R10	1M
R11	100k
R12	10k
R13	1k
R14	10k
R15	3.9k
CLR	4.7k

Capacitors

C1	3.3n
C2	3.3n

C3	10 μ
C4	22 μ
C5	220n
C6	100n
C7	2.2 μ
C8	100n
C9	10n
C10	100 μ

Semiconductors

D1	1N5817
LED	3 or 5mm LED
Q1	BC549B
Q2	BC549B
Q3	BC549B

Electromechanical

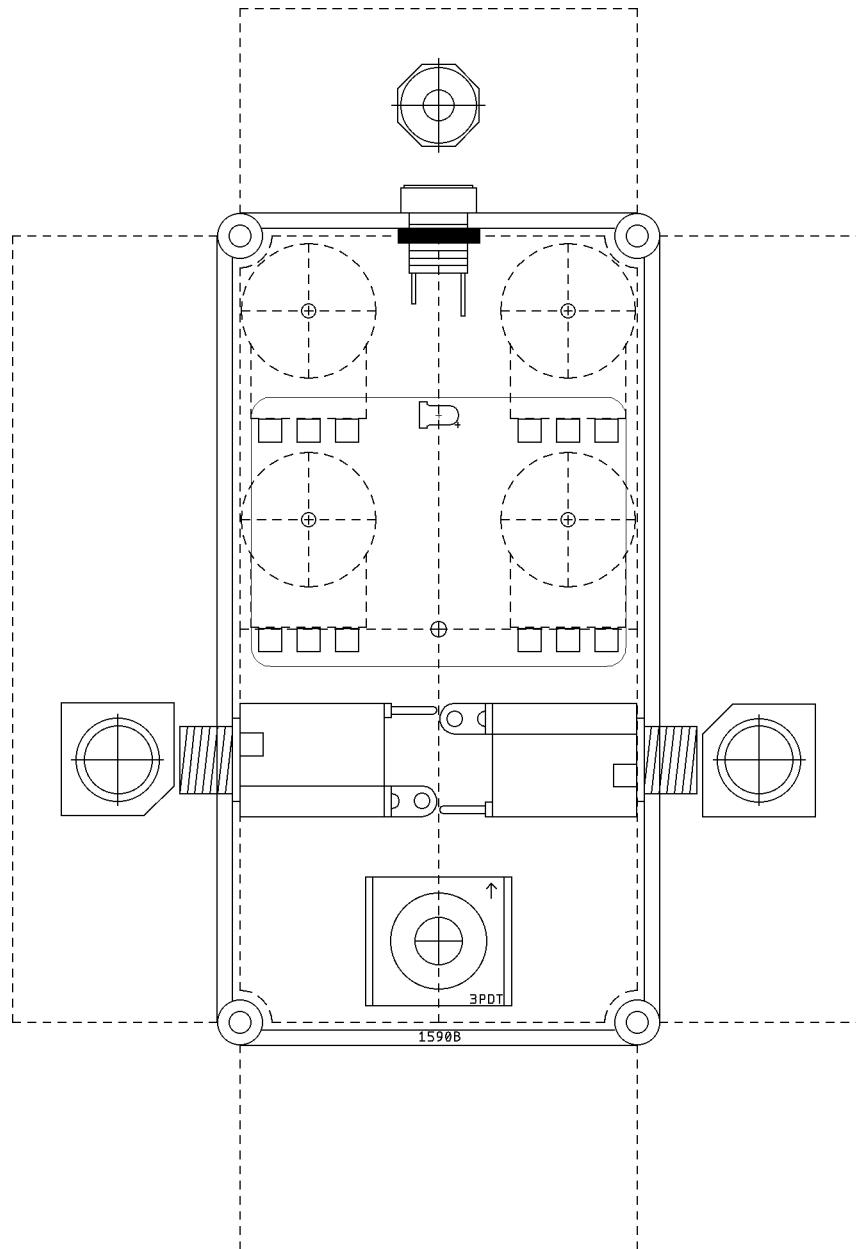
Fat	B100k
Gain	A100k
Tone	B10k
Volume	A100k

SHOPPING LIST

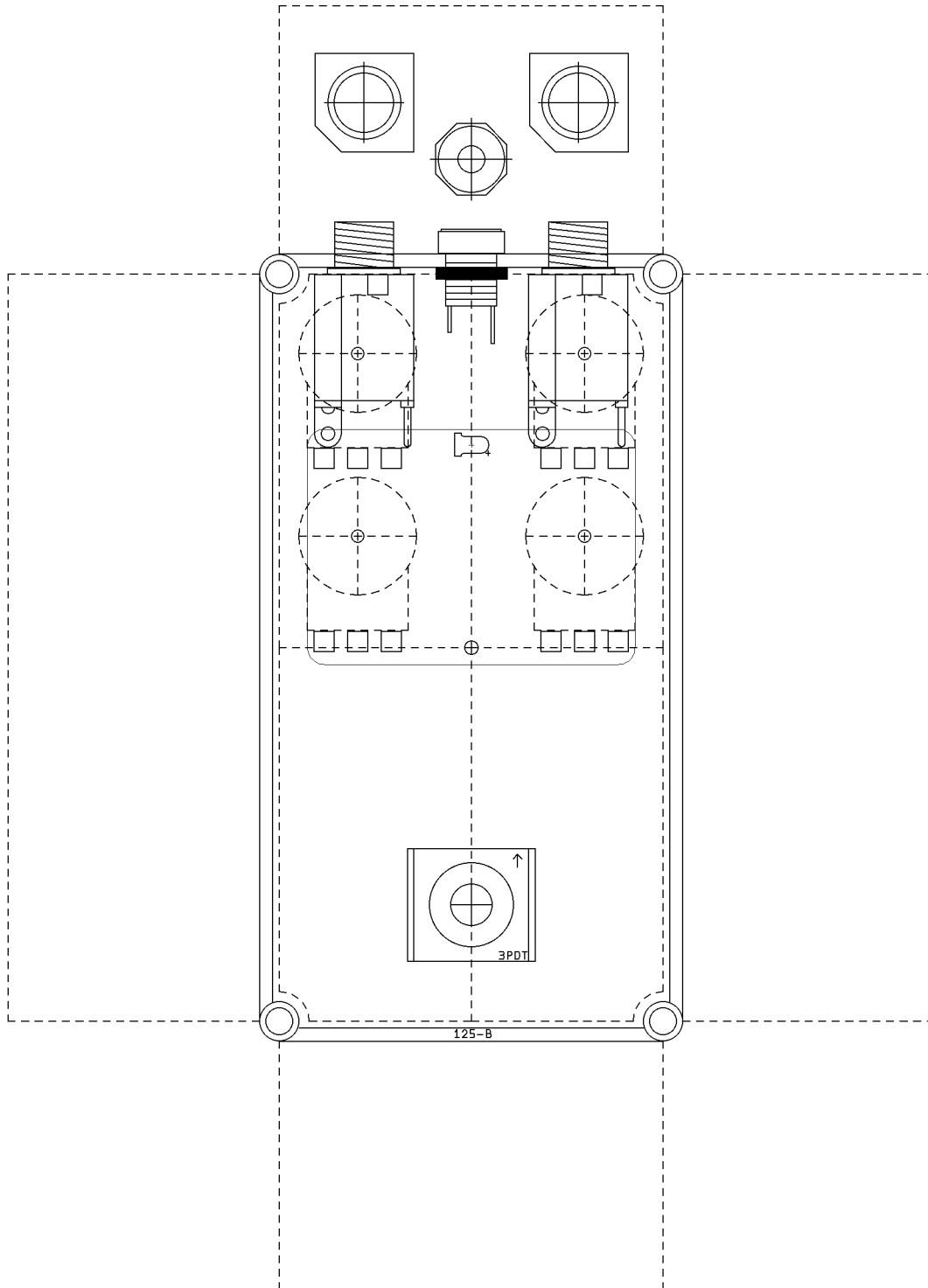
Value	Type (suggested)	Quantity
1k	¼ watt metal or carbon film	3
2.2k	¼ watt metal or carbon film	1
3.9k	¼ watt metal or carbon film	1
4.7k	¼ watt metal or carbon film	1
10k	¼ watt metal or carbon film	4
22k	¼ watt metal or carbon film	1
100k	¼ watt metal or carbon film	2
1M	¼ watt metal or carbon film	2
4.7M	¼ watt metal or carbon film	1
3.3n	Film	2
10n	Film	1
100n	Film	2
220n	Film	1
2.2 μ	Electrolytic (35v +)	1
10 μ	Electrolytic (35v +)	1
22 μ	Electrolytic (35v +)	1
100 μ	Electrolytic (35v +)	1

1N5817	Schottky rectifier diode	1
LED	3 or 5mm	1
BC549B	BJT	3
A100k	16mm right angle PC mount	2
B10k	16mm right angle PC mount	1
B100k	16mm right angle PC mount	1

DRILL TEMPLATE (1590B)



DRILL TEMPLATE (125B)



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