



### Capacitors

C1	1μ
C2	100n
C3	2.2n
C4	4.7μ
C5	10n
C6	10n
C7	100n
C8	100n
C9	100μ
C10	100n

### Semiconductors

D1	1N5817
LED	3 or 5mm
Q1	2N3904
Q2	2N3904
Q3	2N3904
Q4	2N3904
Q5	2N3904

### Electromechanical

BIAS	B25k
FUZZ	C1k
LEVEL	A100k
TONE	B100k

### Notes

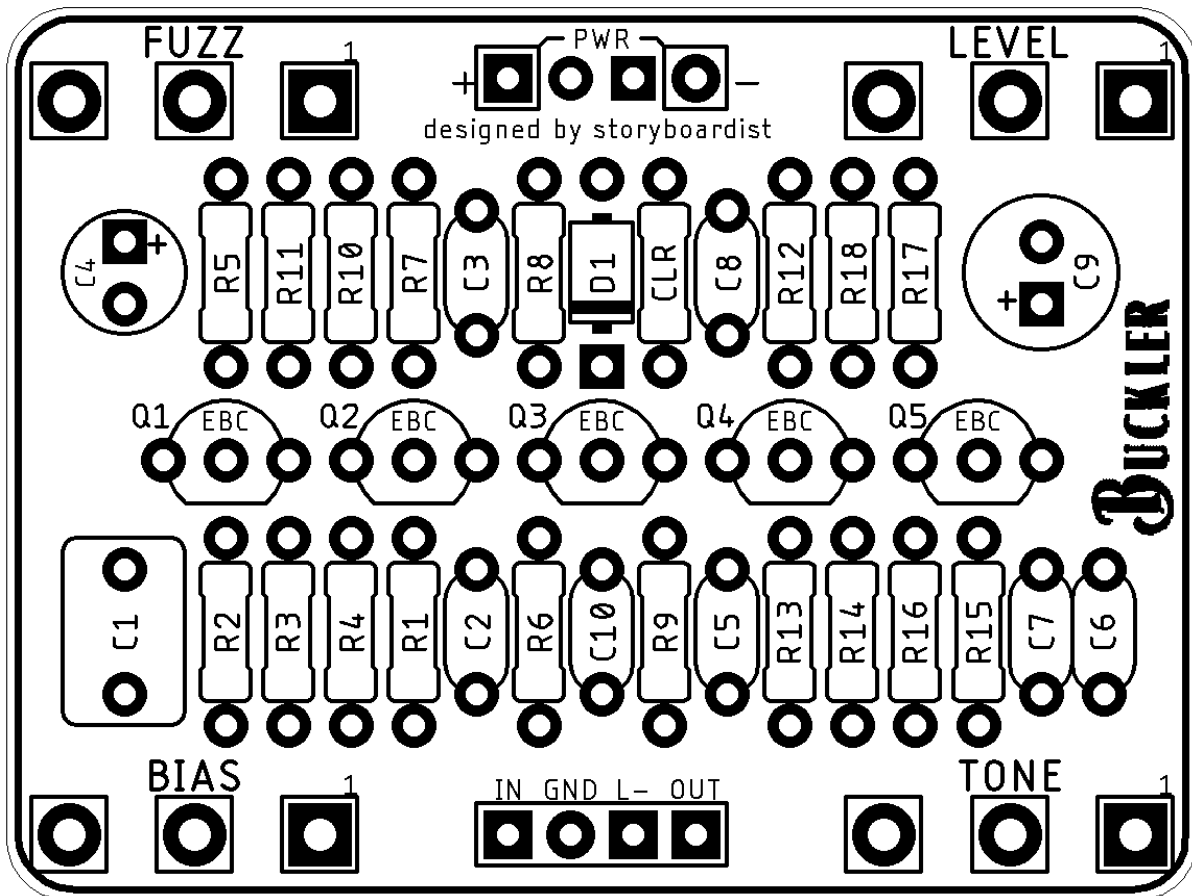
This sort of design lends itself to a bit of experimentation. If you're feeling like tweaking things, adjust the value of the input cap (C1), and socket the transistors (especially Q2-3) to try out your favorite BJTs. The values listed above are for a flat BMP tone stack. If you prefer a mids hump or scoop, adjust the values of R13-14 and C5-6. [This write up](#) from Coda Effects gives a great explanation of the tone stack along with suggested values. C10 should be ceramic.

### SHOPPING LIST

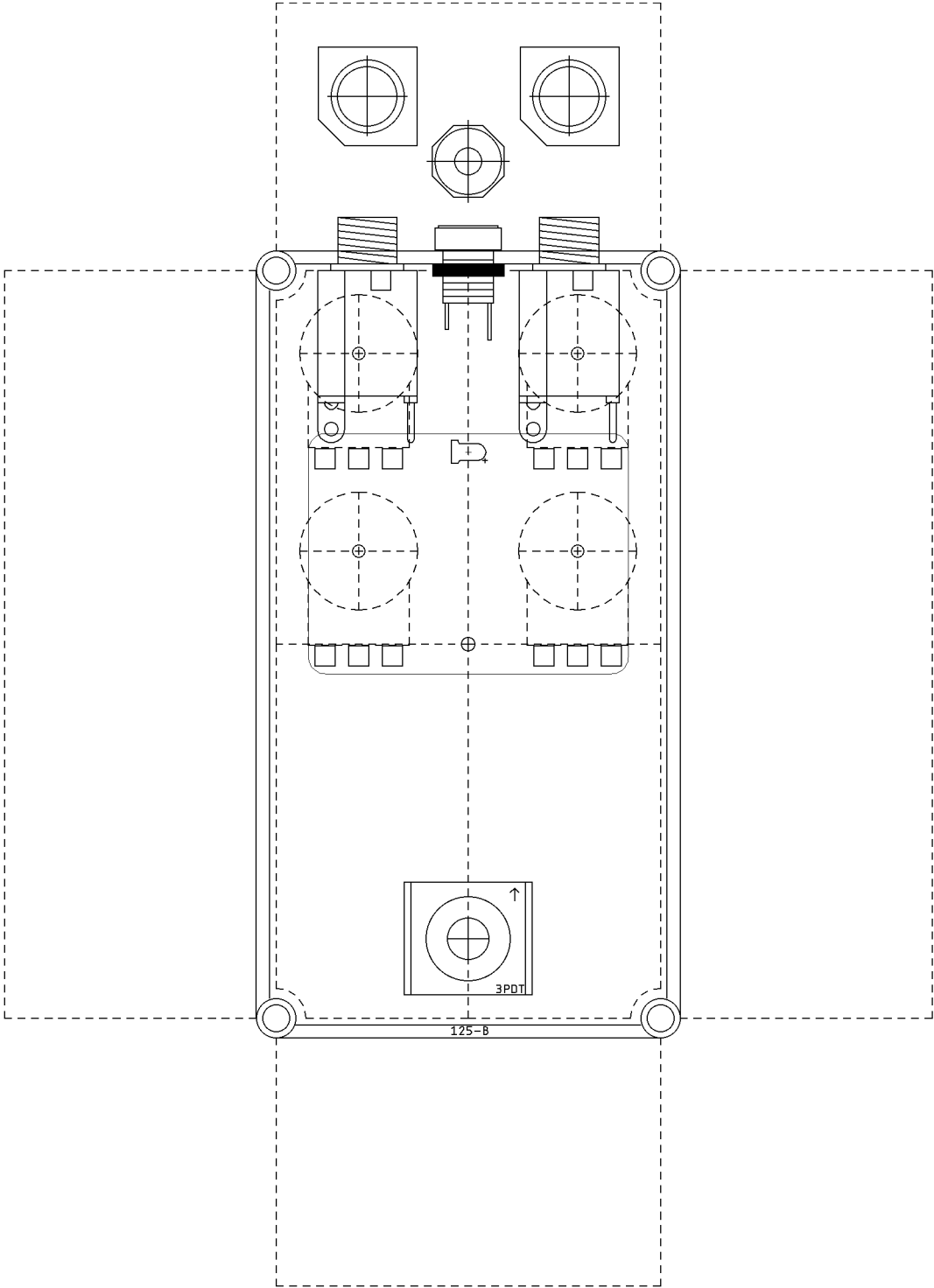
Value	Type (suggested)	Quantity
100Ω	¼ watt metal or carbon film	2
750Ω	¼ watt metal or carbon film	1
1k	¼ watt metal or carbon film	2
2.2k	¼ watt metal or carbon film	1
4.7k	¼ watt metal or carbon film	1
10k	¼ watt metal or carbon film	4
22k	¼ watt metal or carbon film	2
39k	¼ watt metal or carbon film	1
47k	¼ watt metal or carbon film	1
100k	¼ watt metal or carbon film	1
150k	¼ watt metal or carbon film	1
470k	¼ watt metal or carbon film	1
1M	¼ watt metal or carbon film	1
2.2n	Film	1
10n	Film	2
100n	Ceramic	1
100n	Film	3
1μ	Film	1
4.7μ	Electrolytic (25v+)	1
100μ	Electrolytic (25v+)	1
1N5817	Schottky rectifier diode	1

LED	3 or 5mm	1
2N3904	BJT	5
A100k	16mm right angle PC mount	1
B25k	16mm right angle PC mount	1
B100k	16mm right angle PC mount	1
C1k	16mm right angle PC mount	1

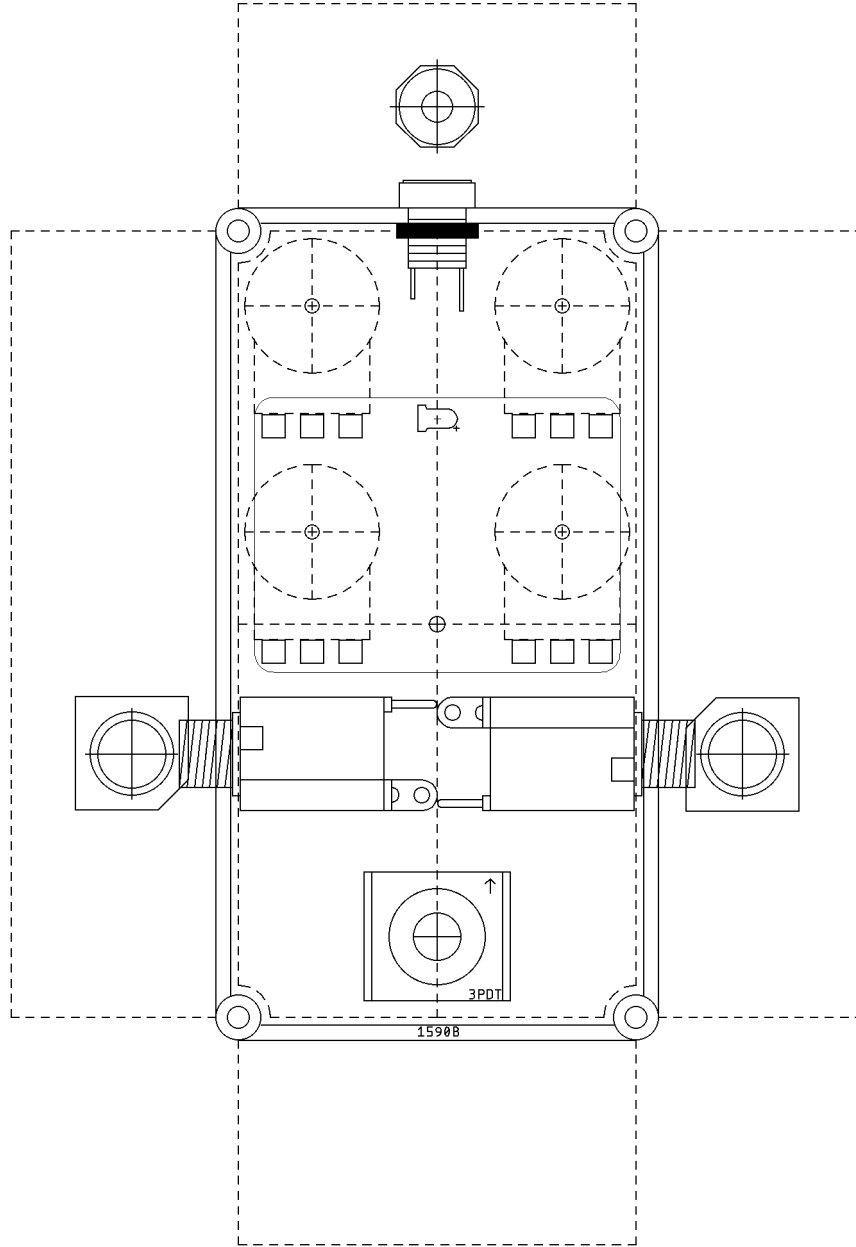
## LAYOUT



**DRILL TEMPLATE (125B)**



# DRILL TEMPLATE (1590B)



EFFECTS LAYOUTS © 2022  
For DIY and small commercial applications.  
Not for non-peer to peer resale.