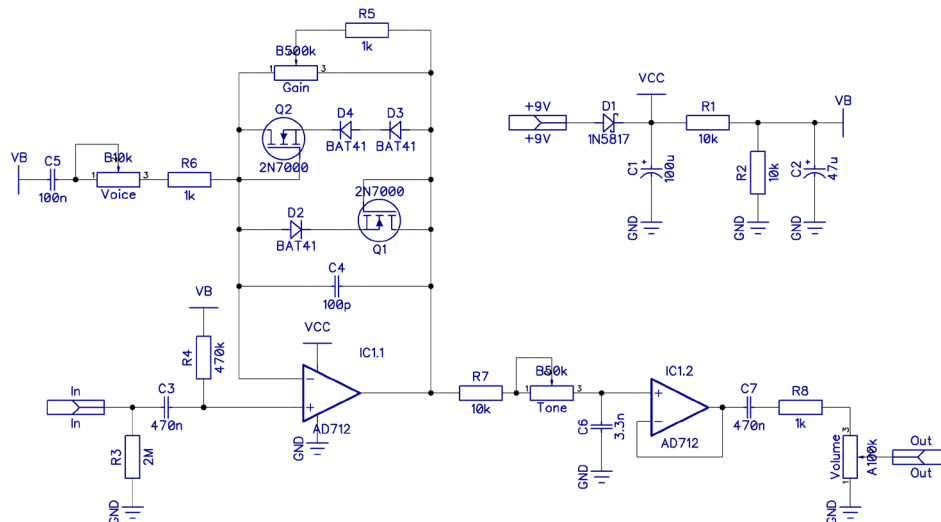




Based on The Hermida ZenDrive  
PCB artwork ©2015 drdFX  
Release date: 2015.05.12

The Ommm... is a nice low to mid gain overdrive with plenty of useful settings. The schematic is an exact copy of the Hermida ZenDrive with added polarity protection.

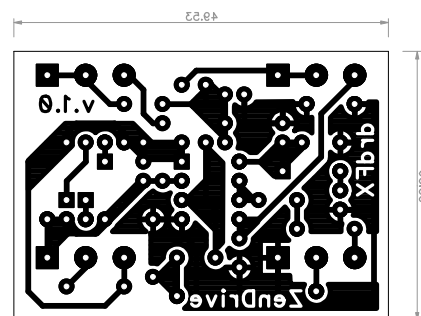
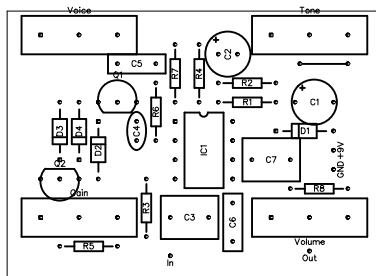
## SCHEMATIC



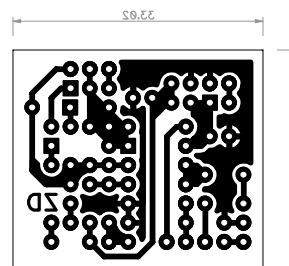
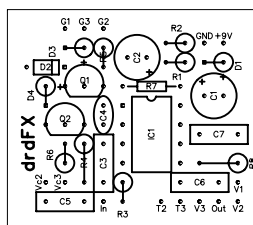
## LAYOUT

Print out the PCB design without any resizing options and make sure you switch off the "fit to page" option. The design is free for personal/home use and you also may build one or two for your friends, but the PCB layout is my artwork, therefore protected by copyright and is not permitted to be used for commercial purposes.

1590B layout



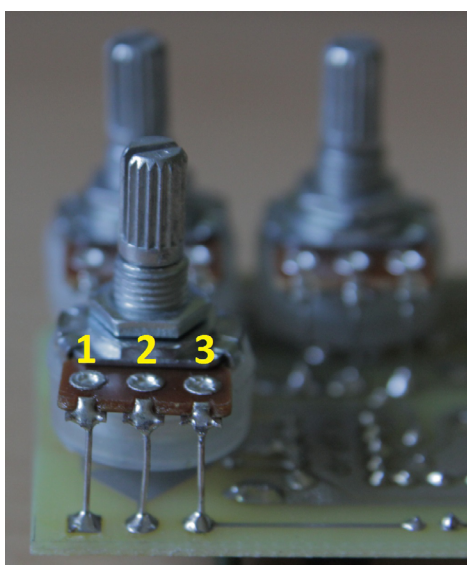
1590A layout



| BOM       |      |            |      |                |        |        |       |
|-----------|------|------------|------|----------------|--------|--------|-------|
| Resistors |      | Capacitors |      | Semiconductors |        | Others |       |
| R1        | 10k  | C1         | 100u | D1             | 1N5817 | Volume | A100k |
| R2        | 10k  | C2         | 47u  | D2             | BAT41  | Voice  | B10k  |
| R3        | 2M   | C3         | 470n | D3             | BAT41  | Gain   | B500k |
| R4        | 470k | C4         | 100p | D4             | BAT41  | Tone   | B50k  |
| R5        | 1k   | C5         | 100n | IC1            | AD712  |        |       |
| R6        | 1k   | C6         | 3.3n | Q1             | 2N7000 |        |       |
| R7        | 10k  | C7         | 470n | Q2             | 2N7000 |        |       |
| R8        | 1k   |            |      |                |        |        |       |

## NOTES

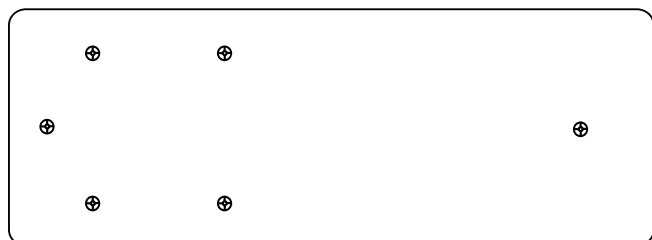
The pots are board mounted to the bottom of the board. The square pads mark the lug 1, for the numbering of the lugs see the picture below:



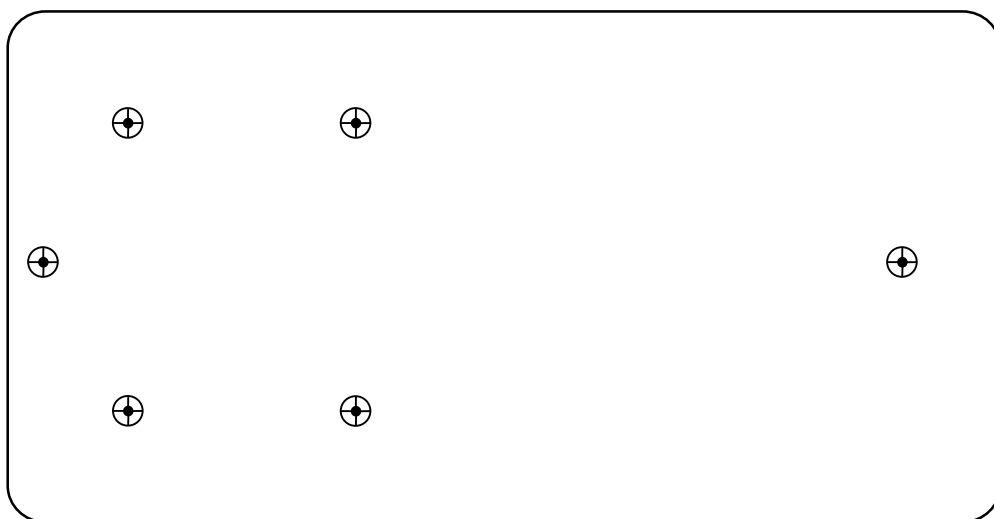
You can use either the PCB mounted pots that have long lugs or solder some stronger solid wire pieces to the lugs of the standard pots. I prefer the latter because then you can control the height of your pot better. This is nice especially if you have switches too in your design, because this way you can align the pot height with the height of the switch.

## DRILLING TEMPLATES

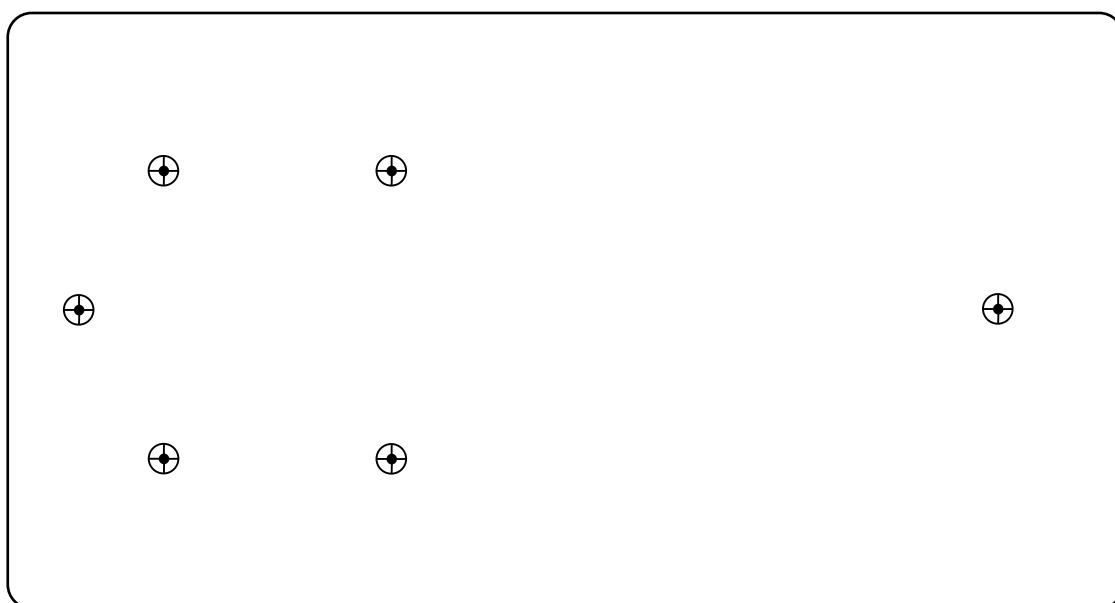
Here are three templates for the top of the box for the various box sizes. The larger design fits in both 1590B and 125B, however if you are less experienced you may find the 125B enclosure easier to work with.



1590A



1590B



125B