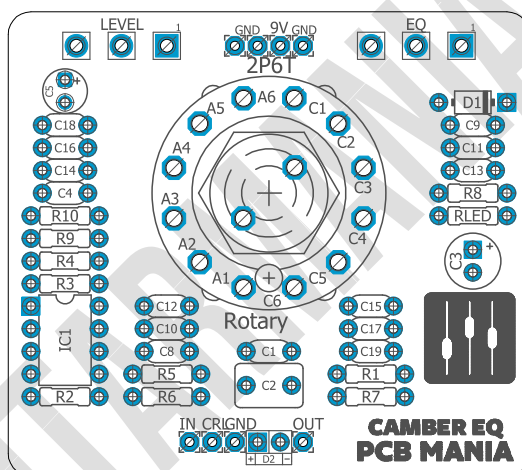


Camber EQ

Based on:
Standard EQ notch
Amount of parts:
Average, total 33 components

Power consumption:
9V
Enclosure type:
125b

Get your board at:
[Camber EQ](#)
Get your kit at:
[Das Musikding \(Europe\)](#)



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Introduction

Controls

- Level
- EQ

Bill of materials

Resistors	
Part	Value
R1	1M
R2	100K
R3	10K
R4	1M
R5	10K
R6	1M
R7	100K
R8	47R
R9	47K
R10	47K
RLED	4K7

LEVEL	A500K
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IC	
Part	Value
IC1	TL072

Diodes	
Part	Value
D1	1N5817
D2	3mm red LED

Capacitors	
Part	Value
C1	100n
C2	1u
C4	100n
C8	100n
C9	10n
C10	47n
C11	4n7
C12	22n
C13	2.2n
C14	12n
C15	1.2n
C16	5.6n
C17	560p
C18	2.7n
C19	270p

Electrolytics Capacitors	
Part	Value
C3	100u
C5	10u

Potentiometers	
Part	Value
EQ	B100K

Shopping list

Resistors		
Qty	Value	Parts
2	100K	R2, R7
2	10K	R3, R5
3	1M	R1, R4, R6
2	47K	R9, R10
1	47R	R8
1	4K7	RLED

Capacitors		
Qty	Value	Parts
1	1.2n	C15
3	100n	C1, C4, C8
1	10n	C9
1	12n	C14
1	1u	C2
1	2.2n	C13
1	2.7n	C18
1	22n	C12
1	270p	C19
1	47n	C10
1	4n7	C11
1	5.6n	C16

1	560p	C17
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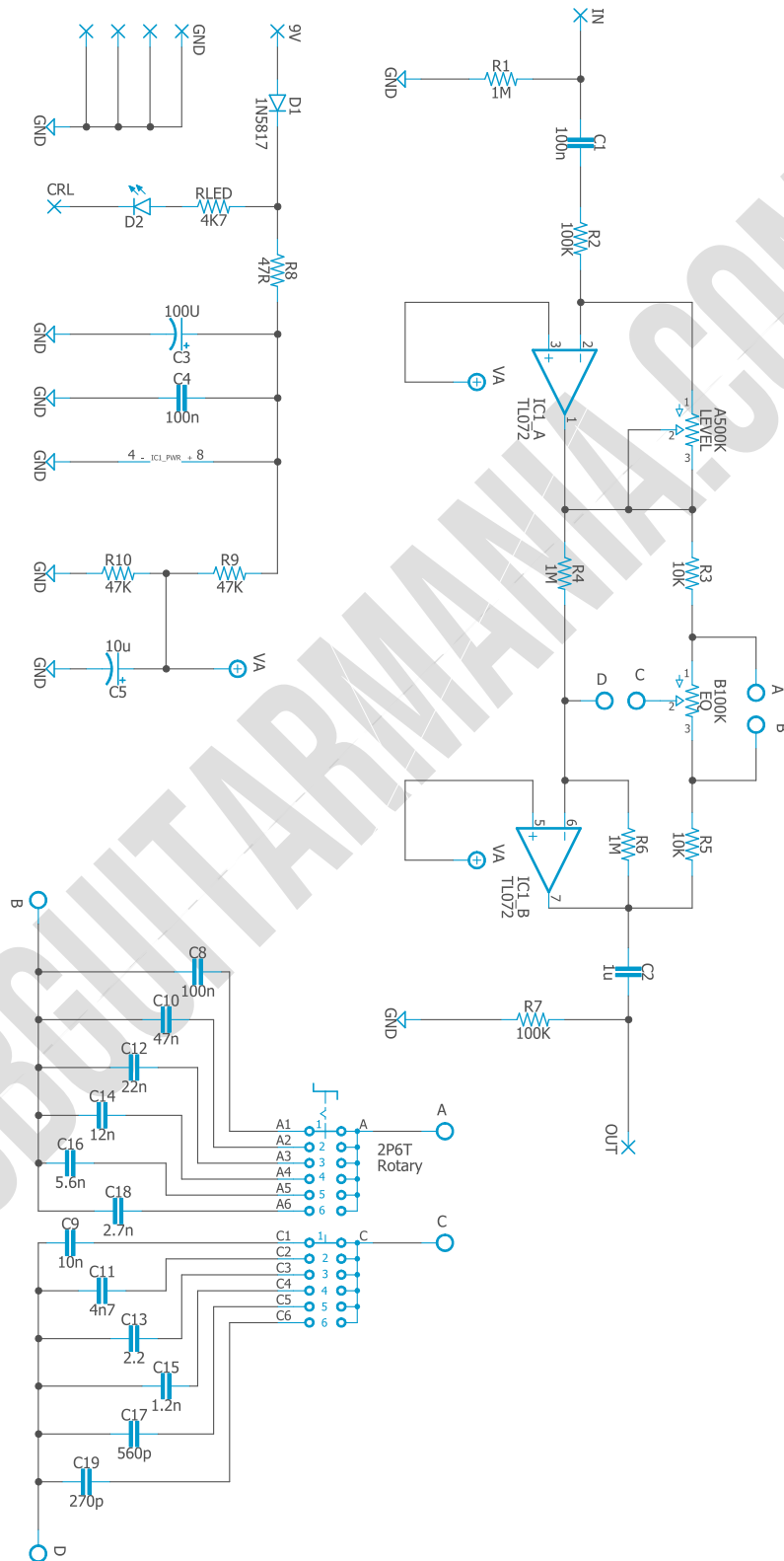
Electrolytics Capacitors		
Qty	Value	Parts
1	100u	C3
1	10u	C5

Potentiometers		
Qty	Value	Parts
1	A500K	LEVEL
1	B100K	EQ

IC		
Qty	Value	Parts
1	TL072	IC1

Diodes		
Qty	Value	Parts
1	1N5817	D1
1	3mm red LED	D2

Schematic



Components Recommendations

As many people like to experiment with some pedals with higher voltage, always ensure your **electrolytic capacitors'** max tolerance is over 25v.

This board has been tested using Film box capacitors for most of the values over 1nf and ceramics discs for those under 1nf. However, high-quality components such as Wima's Capacitors and Panasonic's electrolytics can deliver a better performance.

All the resistors used for testing this project are 1/4W Metal Film.

The BOM and Shopping list are exclusive regarding this project. It doesn't include all the hardware like the 3PDT bypass switch, audio/dc jacks, enclosure, etc.

Build Notes

If this is one of your first projects, I recommend you to take a look at our [Pedal Building Guide](#).

For a successful and tidy build, it's recommended the following order:

1. Resistors & diodes
2. Capacitors, starting with the smaller ones and the ceramic ones.
3. Electrolytic capacitors (always check the polarity)
4. Transistors
5. Wires
6. Potentiometers and switches
7. Off-board wiring

Wiring Diagram

All our projects include a free 3PDT Board to make the wiring easier and tidier. Also, all of our PCBs feature the status LED on board.

The pad named "Ctrl" or "LED" is the one that controls the status of the led; wire it to the "LED" pad on the 3PDT board or in the control slug of your 3PDT.

This board has been designed to match our EZ 3PDT PCB; check it [here](#) to access our [Pedal Wiring Guide](#).

Drill Template

This Project has been planned to fit into a 125b enclosure type.

Check the Attached “Drilling templates” to drill the box properly. The files are on Scale 1:1, ready to print on an A4 page.

Licensing and Usage

We really appreciate your trust and support in buying this PCB, as well as your will to dive into the DIY electronics world. For us, that's why you can make this project work properly and enjoy not only the building process but also experiment and play with it on your rig.

We try to reply to every question we receive on our email or our social media. Still, we try to encourage all our customers to join our [PCB Guitar Mania - Builders Group](#) on Facebook to post all your doubts, issues, suggestions, or requests, share your builds, and have some feedback from other fellow builders and us!

We tested all our projects following this same guide on their standard configurations. Although, not all of the variations and mods have necessarily been checked. These are suggestions based on the schematic analysis and the experiences and opinions of others. Feel free to share with us your views and recommendations regarding the mods your personal experimentation.

These boards may be used for commercial endeavors in any quantity unless expressly noted. No attribution is necessary, though accreditation or a link back is always much appreciated.

If you are a builder planning to make your own run of pedals, we also offer the service of custom-made boards with your brand and logo, design according to your specifications.

The only usage restrictions are that, first, you cannot resell the PCB as part of a kit without prior arrangement with us, and second, you cannot scratch off the silkscreen or other way of trying to hide our logos and the source of the PCBs. Like it's written above, if you want to have your designs with your brand and logo, we could undoubtedly reach an agreement.

Follow us on [Instagram](#) and [Facebook](#) to stay in tune with the latest projects!