

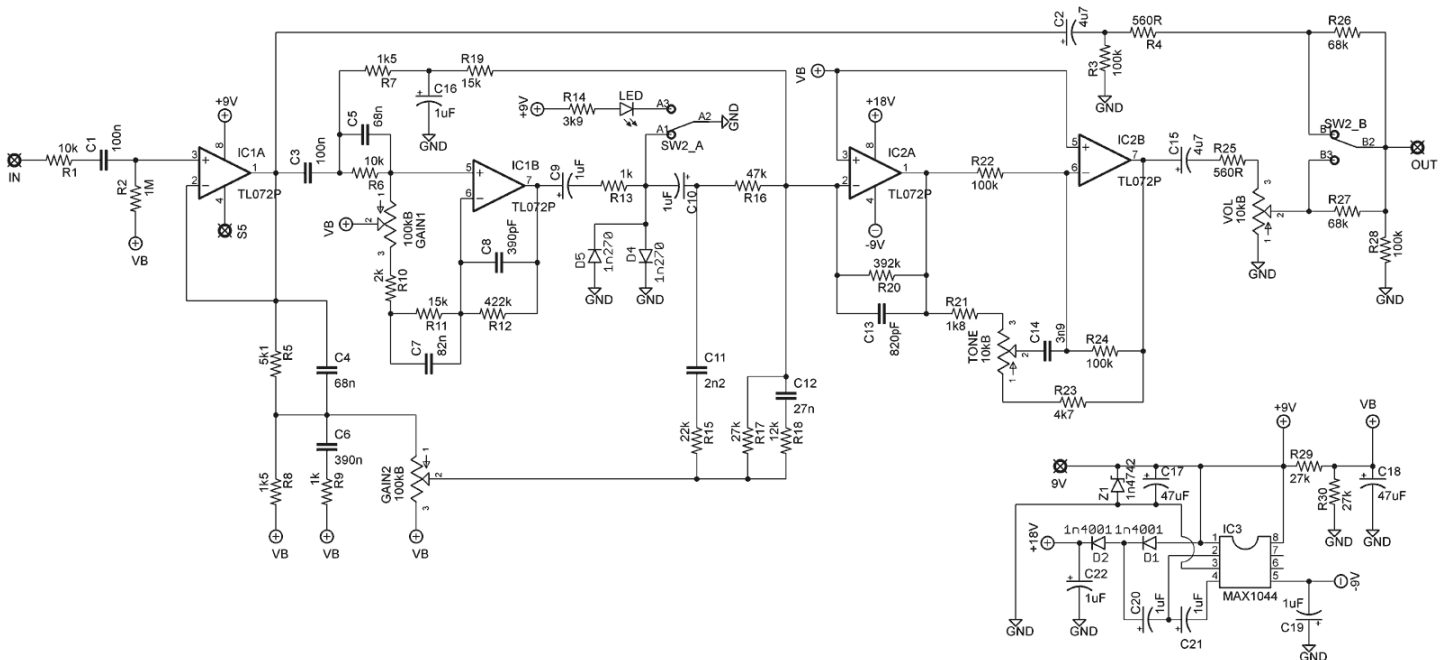
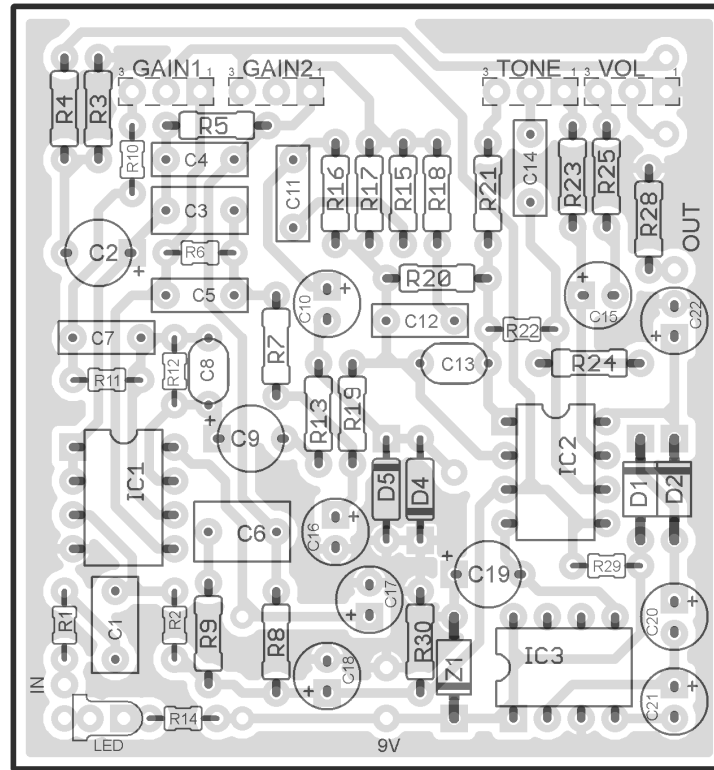
SUNKING

(based on the Klon Centaur)

ver. 2 08.25.10

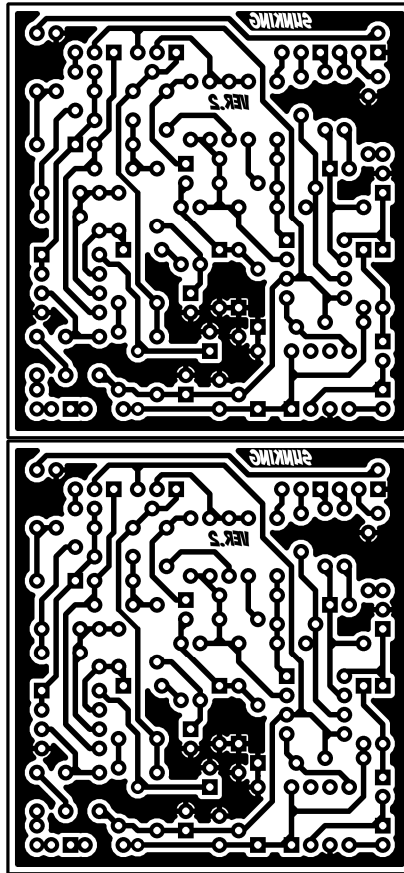
original schematic drawing by Soulsonic

PCB artwork © 2010 madbeanpedals



R1	10k	R16	47k	C1	100n	C16	1uF
R2	1M	R17	27k	C2	4u7	C17	47uF
R3	100k	R18	12k	C3	100n	C18	47uF
R4	560R	R19	15k	C4	68n	C19	1uF
R5	5k1	R20	392k	C5	68n	C20	1uF
R6	10k	R21	1k8	C6	390n	C21	1uF
R7	1k5	R22	100k	C7	82n	C22	1uF
R8	1k5	R23	4k7	C8	390pF		
R9	1k	R24	100k	C9	1uF	D1/D2	1n4001
R10	2k	R25	560R	C10	1uF	D4/D5	1n270
R11	15k	R26	68k	C11	2n2	Z1	1n4742
R12	422k	R27	68k	C12	27n		
R13	1k	R28	100k	C13	820pF	IC1/IC2	TL072
R14	3k9	R29	27k	C14	3n9	IC3	ICL7660SPCA
R15	22k	R30	27k	C15	4u7		
						GAIN1/2	100kB Dual
						TONE	10kB
						VOL	10kB

2.123"W x 2.272"H (including borders)



- ICL7660SPCA is the stock charge pump. A MAX1044 or TC1044 may also be used.
- You can use either 1n270 or 1n34a for D1/D2.
- If you want to simplify the wiring, connect R28 on the 3PDT/DPDT switch (between the middle lugs -purple and brown on the wiring diagram). If you do this, you do not need a wire from the "OUT" pad on the board to the tip of the output jack.
- Note the jumper between R8 and R9.

Voltages (off DC supply @ 8.89v)

Pins	IC1	IC2	IC3
1	4.45	4.52	8.88
2	4.47	4.47	4.55
3	3.43	4.46	0
4	0	-8.46	-4.15
5	4.45	4.45	-8.47
6	4.46	4.46	3.99
7	4.45	4.41	5.33
8	8.88	16.03	8.88

