

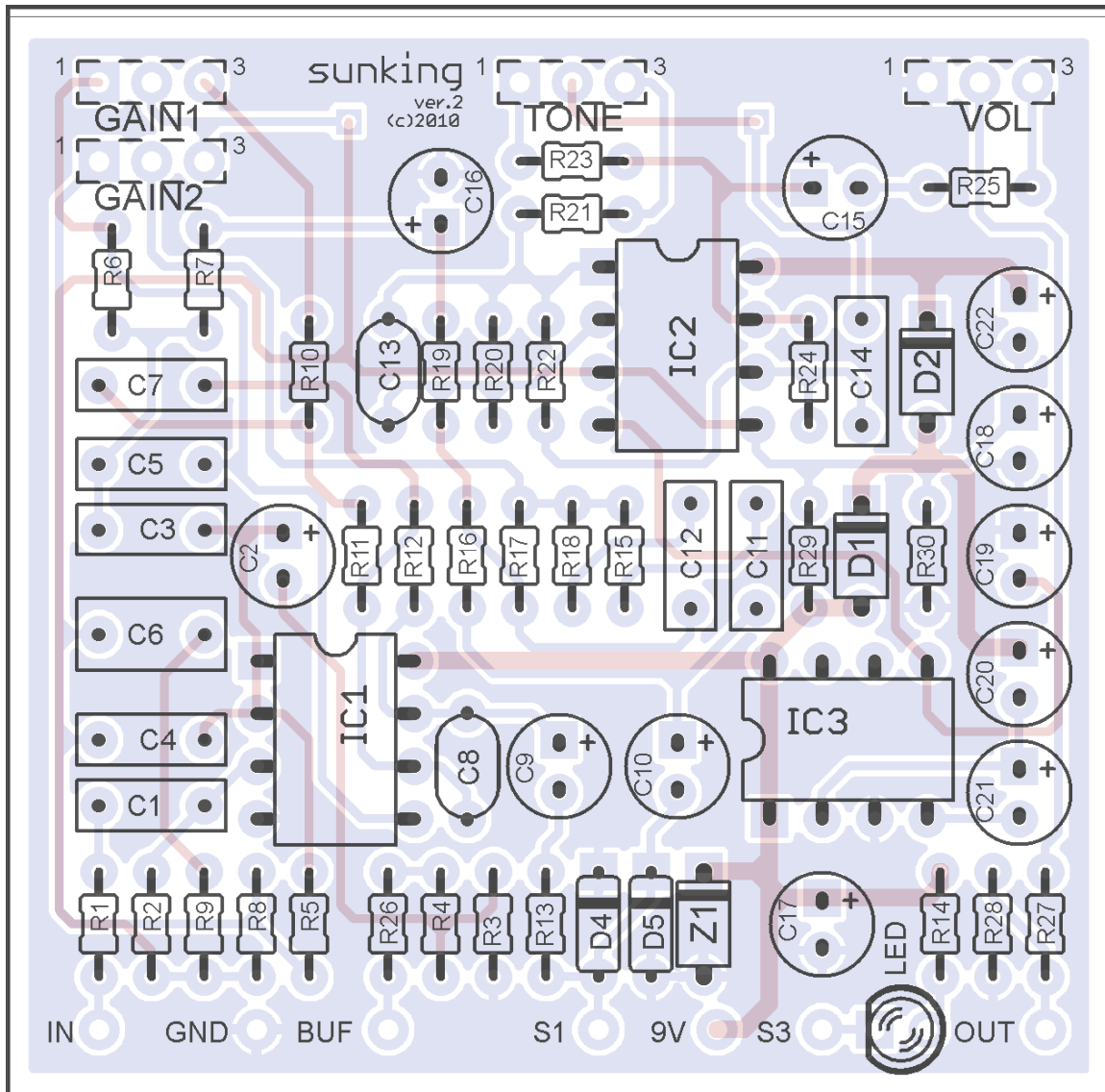
# SUNKING

(Based on the *Klon Centaur*)

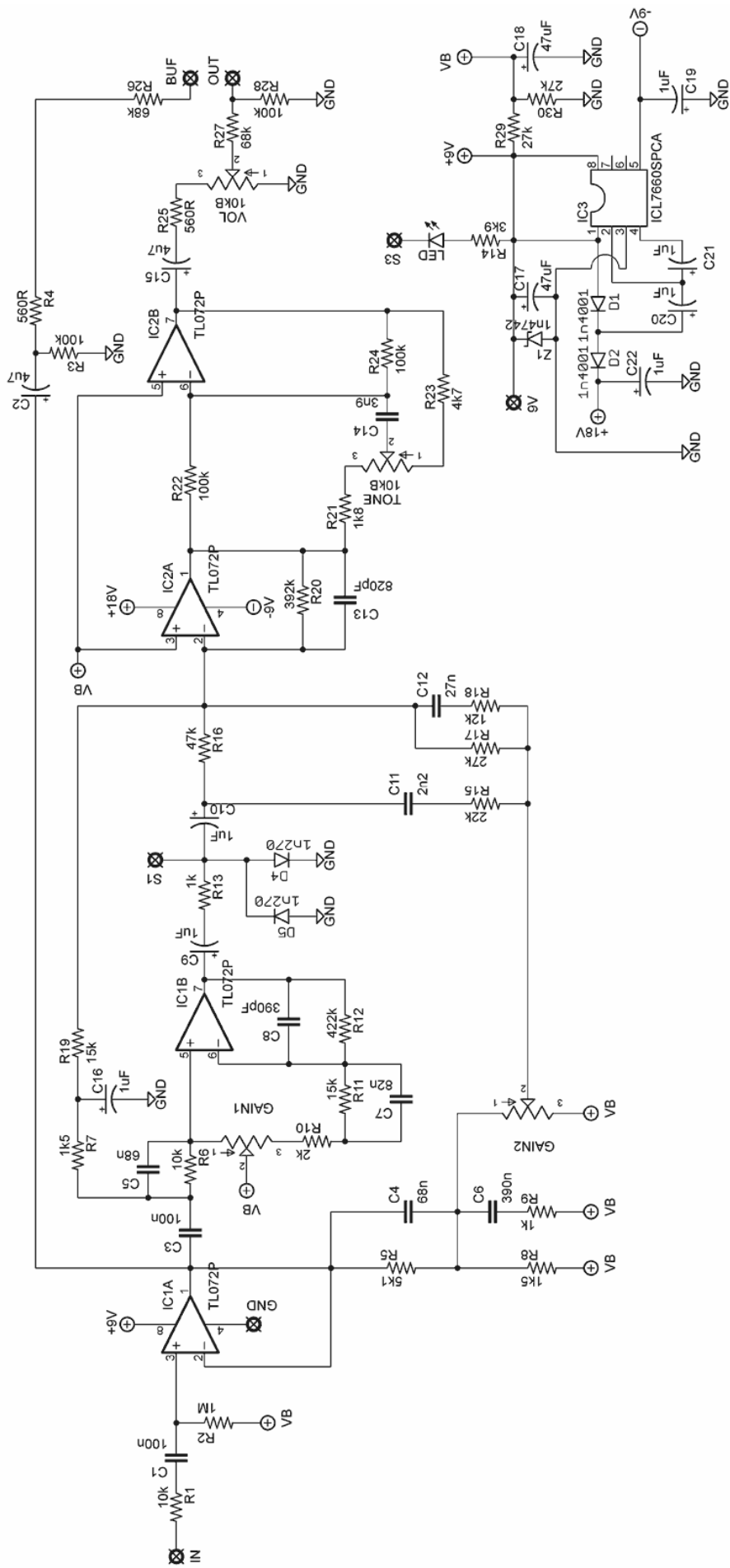
PCB Artwork ©2010 madbeanpedals

Schematic re-drawn from Martin Chittum's original work of 2009

**Ver.2 / 01-15-10**



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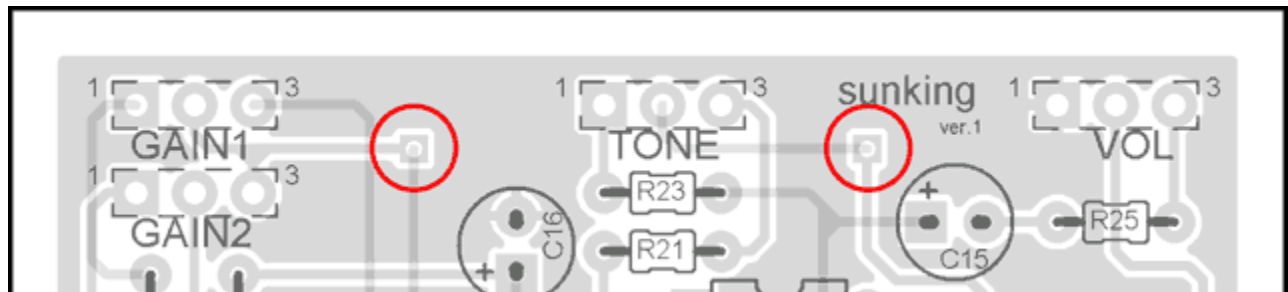
Part	Value	Part	Value
R1	10k	C1	100n
R2	1M	C2	4u7
R3	100k	C3	100n
R4	560R	C4	68n
R5	5k1	C5	68n
R6	10k	C6	390n
R7	1k5	C7	82n
R8	1k5	C8	390pF
R9	1k	C9	1uF
R10	2k	C10	1uF
R11	15k	C11	2n2
R12	422k	C12	27n
R13	1k	C13	820pF
R14	3k9	C14	3n9
R15	22k	C15	4u7
R16	47k	C16	1uF
R17	27k	C17	47uF
R18	12k	C18	47uF
R19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

## Notes

- This is a tight layout. The entire circuit has been mounted on a 2x2" board. Box-type film caps are suggested.
- **IC3** can be Max1044 or TC1044.
- **D4, D5** can also be 1n34a
- **G** is ground
- **B** is buffer output
- **IN** connects directly to the input jack.

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There are two vias on the board. You do not need to do anything with these pads, as they are plated through.



## 09.05.10

Wiring correction! There is a mistake on the schematic drawn above. As drawn, R26, R27 and R28 remain in the signal path constantly. However, these are supposed to be switched out of the signal path when toggling between the effect and buffer. Fortunately, it is an easy fix. You simply need to move those resistors to the switch, as illustrated below. Additionally, you will also need to move the OUT and BUF wires to different pads.

## Wiring

