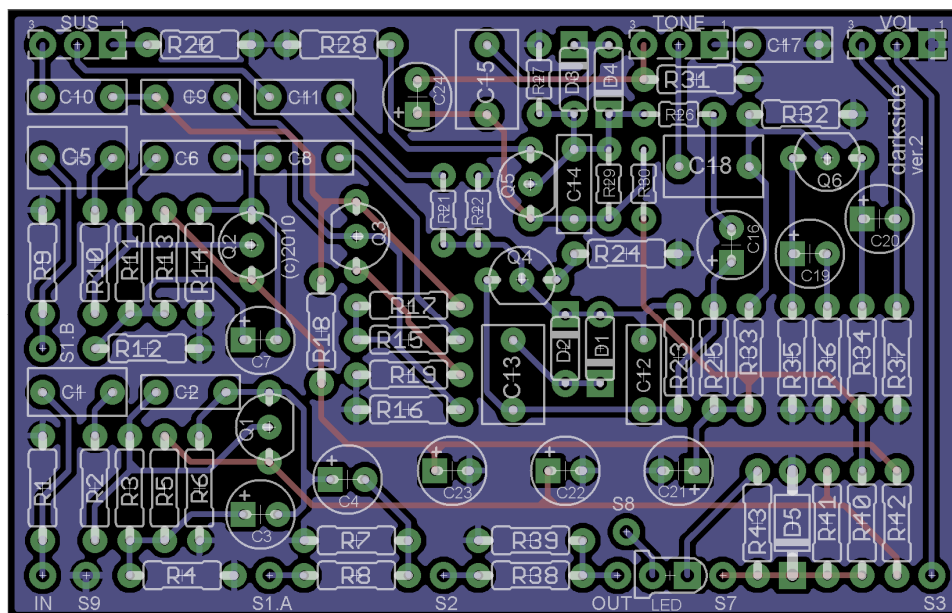


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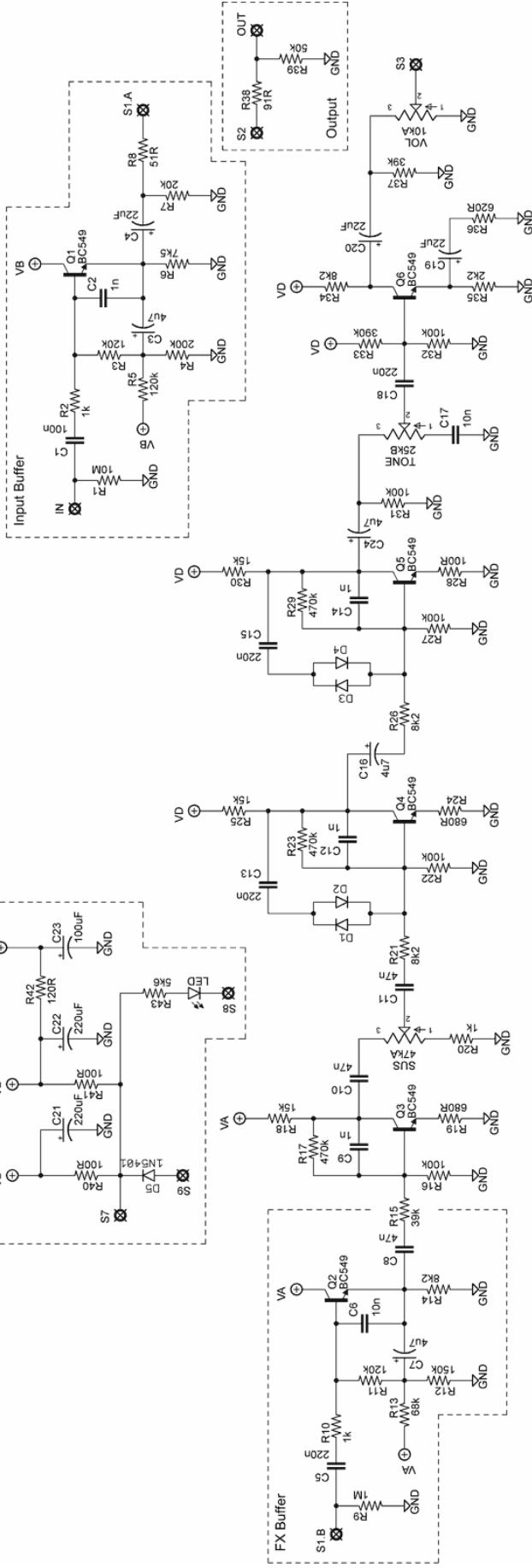
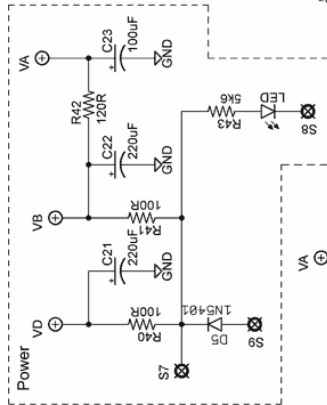
# DARKSIDE

(based on the Pete Cornish G-2)  
PCB artwork ©2010 madbeanpedals  
Ver.2 09.10.10



Resistors		Resistors		Caps		Diodes	
R1	10M	R23	470k	C1	100n	D1 - D4	notes
R2	1k	R24	680R	C2	1n	D5	1N5401
R3	120k	R25	15k	C3	4u7	<b>Transistors</b>	
R4	200k	R26	8k2	C4	22uF		
R5	120k	R27	100k	C5	220n	<b>Pots</b>	
R6	7k5	R28	100R	C6	10n		
R7	20k	R29	470k	C7	4u7	SUS	47kA
R8	51R	R30	15k	C8	47n	TONE	25kB
R9	1M	R31	100k	C9	1n	VOL	10kA
R10	1k	R32	100k	C10	47n		
R11	120k	R33	390k	C11	47n		
R12	150k	R34	8k2	C12	1n		
R13	68k	R35	2k2	C13	220n		
R14	8k2	R36	620R	C14	1n		
R15	39k	R37	39k	C15	220n		
R16	100k	R38	91R	C16	4u7		
R17	470k	R39	50k	C17	10n		
R18	15k	R40	100R	C18	220n		
R19	680R	R41	100R	C19	22uF		
R20	1k	R42	120R	C20	22uF		
R21	8k2	R43	5k6	C21	220uF		
R22	100k			C22	220uF		
				C23	100uF		
				C24	4u7		

Visit <http://www.madbeanpedals.com/learn/index.html> for helpful wiring diagrams and drilling templates!  
This product is intended for DIY use. Commercial use is prohibited.



## Notes

- A 47kA pot will be hard to find in the States. You can sub a 50kA.
- There's some debate over the best diodes to use for **D1 – D4**. Try socketing those so that you can swap out different varieties. These are good ones to try in the circuit: 1n34a, 1n270, 1n60, BAT41, and 1n914.
- You can use a 1N4001 for **D5**.
- You can also sub different transistors. However, be mindful of pin-outs! The BC549 has a pinout 180° from a 2n5088.

## Parts

- Xicon General or Hi-Temp radial electrolytic caps, 25v
- Xicon carbon metal film resistors, 1/4W
- Panasonic ECQ-V or WIMA box caps, 25v or above
- Xicon Ceramic caps
- Alpha 16mm or 24mm potentiometers

## Mods

I found these mods very useful in eliminating some of the inherent “bass-iness” of this effect, and to open it up a bit more:

C1 - replace with 27n

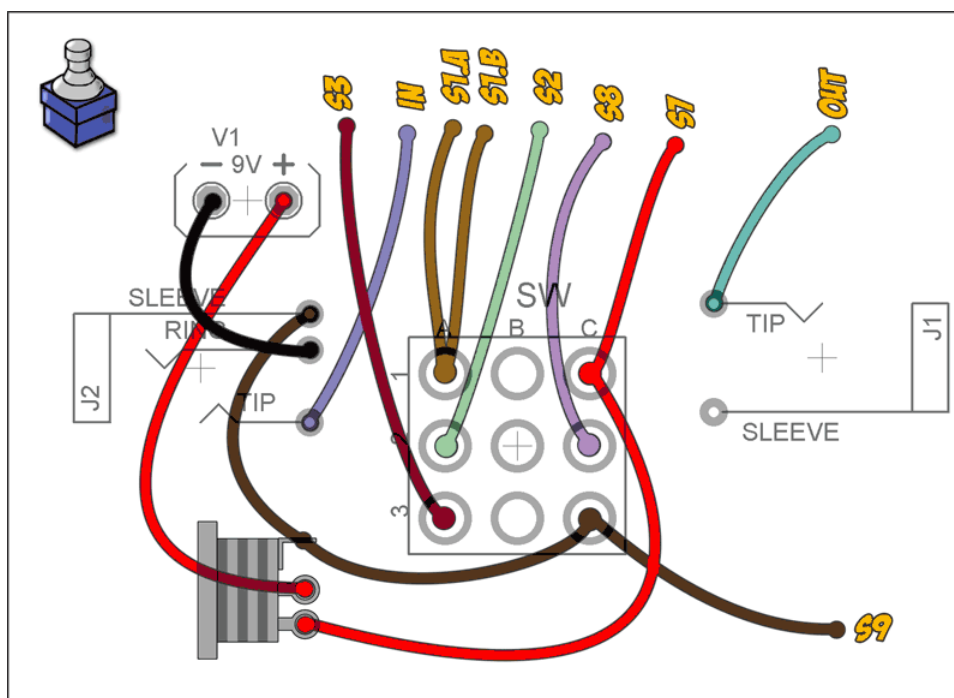
C5 - replace with 47n

C18 - replace with 100n

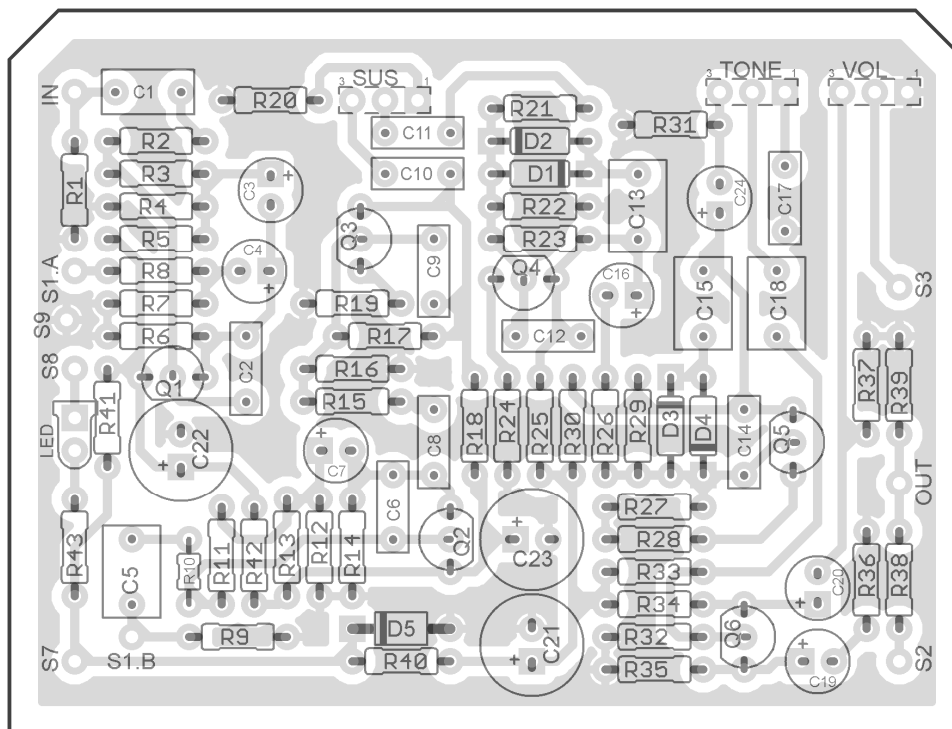
SUS - replace with 500kC (or 500kB) and add a 470pF to 1n cap between lugs 3&2

VOL – replace with 50kA or 100kA to make the output a little hotter

Reducing C9, C12 and C14 to 470pF and/or C13 and C15 to 100n will also brighten things up if it is still too bassy for you.



## ***SINGLE SIDED VERSION – FOR ETCHING***



**2.89" x 2.192" (w / borders)**

