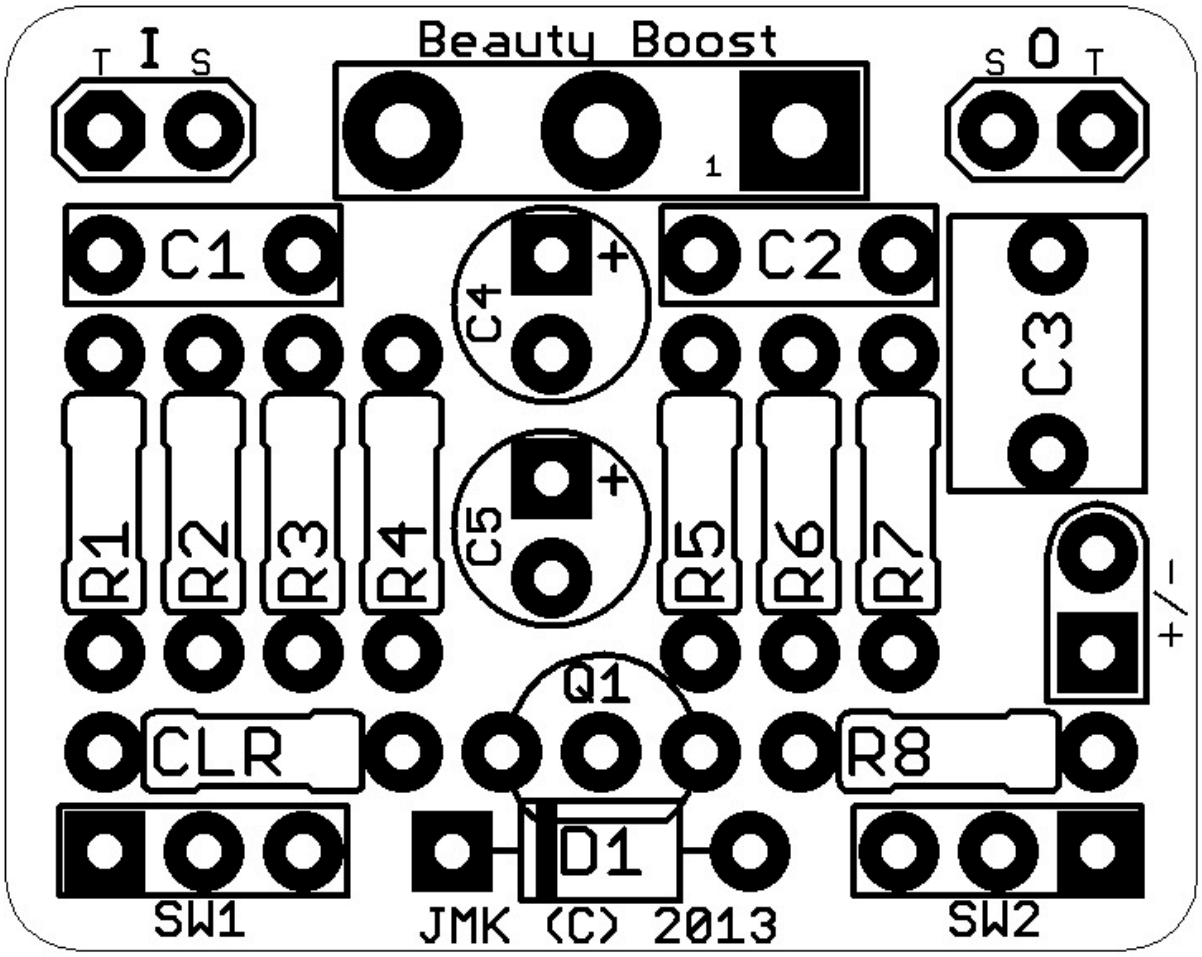
JMK PCBS PRESENTS...

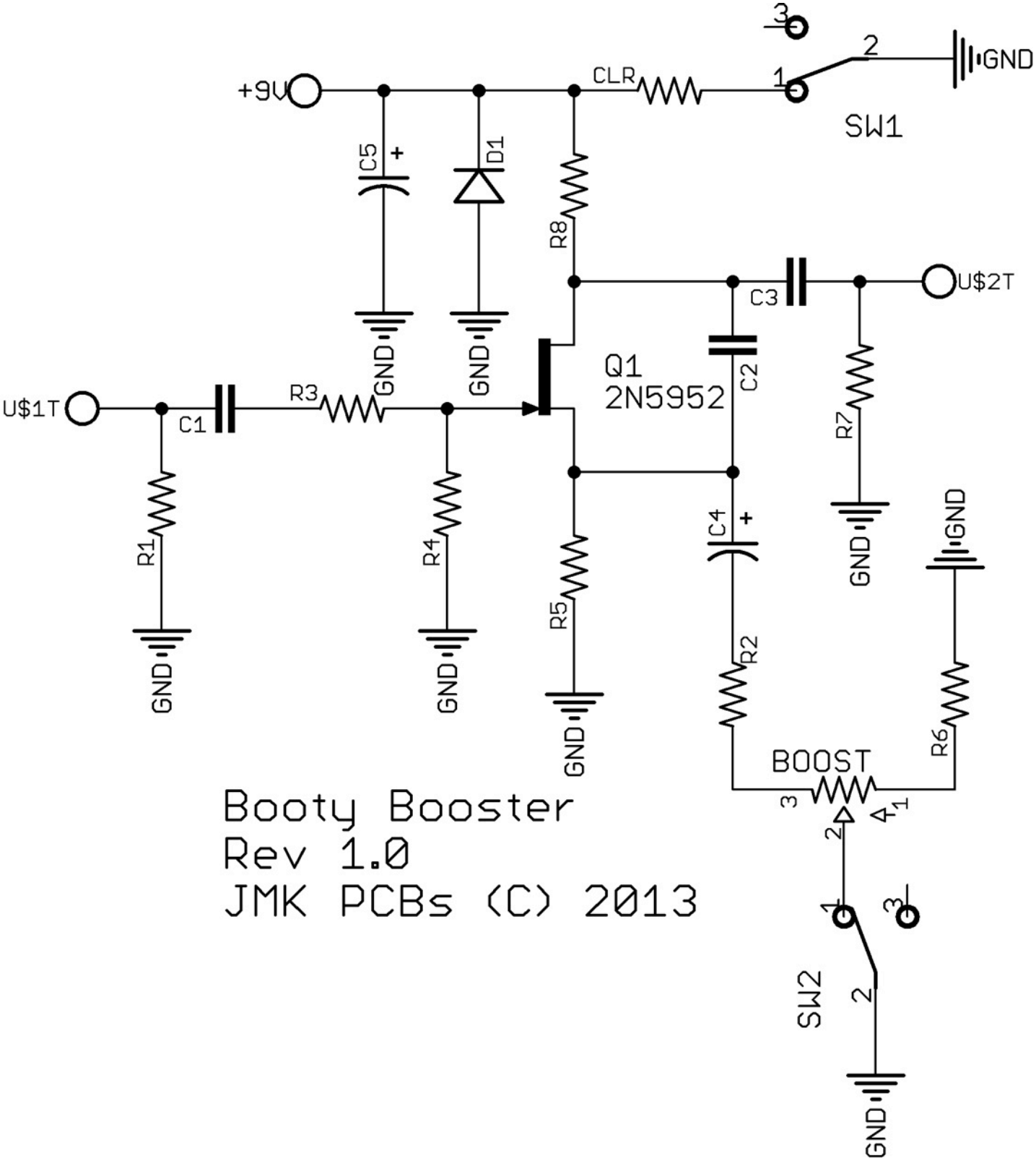
BEAUTY BOOSTER

PCB AND SCHEMATIC ARTWORK (C) 2013 JMK PEDALS

VERSION 1.0: 11/28/2013



Resistors				Capactitors		Semiconductors	
R1	2.2M	R6	150K	C1	47nF	Q1	2N5952
R2	1K	R7	150K	C2	100pF	Diodes	
R3	15K	R8	15K	C3	1uF	D1	1N4001
R4	2.2M	CLR	4.7K	C4	22uF	Potentiometer	
R5	10-15K			C5	100uF	BOOST	C50K



Build Notes

• The Beauty Booster is a simple project designed for both a buffered signal provision and a switchable boost in one. It is a modified clone of a Pink Booster, and is designed to be an easy addition to a project, or as a great stand alone pedal.

• This PCB was released by JMK PCBs as a Christmas Giveaway PCB in 2013! Thank you for your purchase at JMK PCBs! If you've been gifted with, have inherited, or have bought this PCB, we hope you really enjoy it!

• The project is designed to use a Jfet transistor, and while many Jfets could work in this circuit, we've suggested the 2N5952 because it's specified as the original unit this is derived from. If you decide to use another Jfet, which is perfectly fine and will likely sound just the same, you must be sure to check the pinout against the common 2N5952 pinout, and orient your substituted transistor correctly.

• One potential mod for this project is rather simple - consider changing the taper of the pot from a C50K to a B50K. This provides a more linear response for the boost. Typically, this effect runs at unity volume when at minimum, and then boost is applied as the effect is engaged and the knob is turned up. With a C taper, there is a lot of boost applied to the signal early on in the turn of the knob. To find a more even spread, we found a B taper worked well, however, you should try both tapers to find your own desired response.

• R5 has an effect on the amount of gain available from the transistor. We suggest socketing this resistor and trying values between 10K and 15K. The original value was 12K, but try several values and see what you like.

• Because this is designed as a buffered effect, it does not lend itself to the typical true bypass wiring scheme. Hooking up the PCB isn't terribly complicated, and you can use a typical 3PDT or 2PDT switch to wire up your effect, but you should check out the wiring diagram given in these build docs before building your effect.

• Like with most pedals, the Semiconducters can be swapped out and may need to be changed depending on any trouble shooting needs you might have. **We highly recommend socketing your transistor!** Socketing allows you to switch your transistors easily if you have installed them backwards, and also allows you to swap out and try other transistors to see which you like the best. Options to try include, but is not limited to: 2N5952, 2N5457, J201, and others

Beauty Booster Wiring Diagram