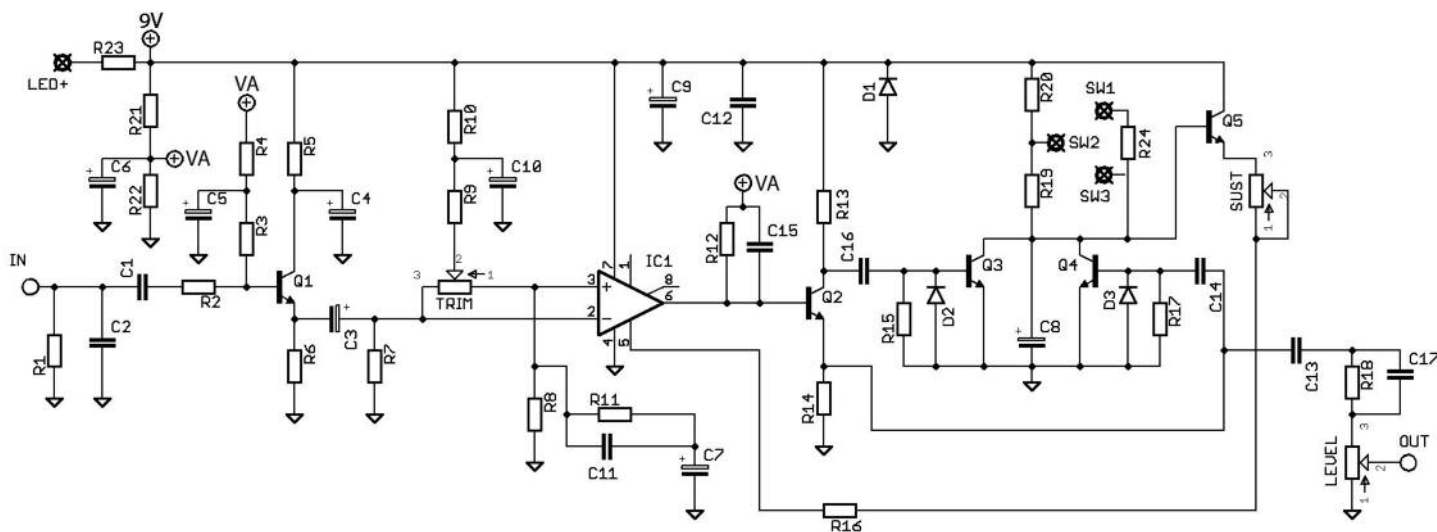


Skwisher

Ross/Dynacomp Compressor

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Schematic



BOM

R1	2M2
R2	10K
R3	470K
R4	470K
R5	10K
R6	10K
R7	1M
R8	1M
R9	220K
R10	220K
R11	15K
R12	150K
R13	10K
R14	10K
R15	1M
R16	27K
R17	1M
R18	10K
R19	150K
R20	10K*
R21	56K
R22	27K
R23	2K2
R24	39K*

R20 and R24 are included for the Mark Hammer Variable Recovery Mod - more overleaf.

C2 - original used 220p, but 100p will remove less treble.

C17 - another Mark Hammer mod - add for more treble response.

C1	10n
C2	220p (100p)*
C3	1u
C4	1u
C5	1u
C6	10u
C7	1u
C8	10u
C9	10u
C10	1u
C11	10n
C12	10n
C13	47n
C14	10n
C15	1n
C16	10n
C17	1n5*

D1	1N4001
D2,3	1N4148

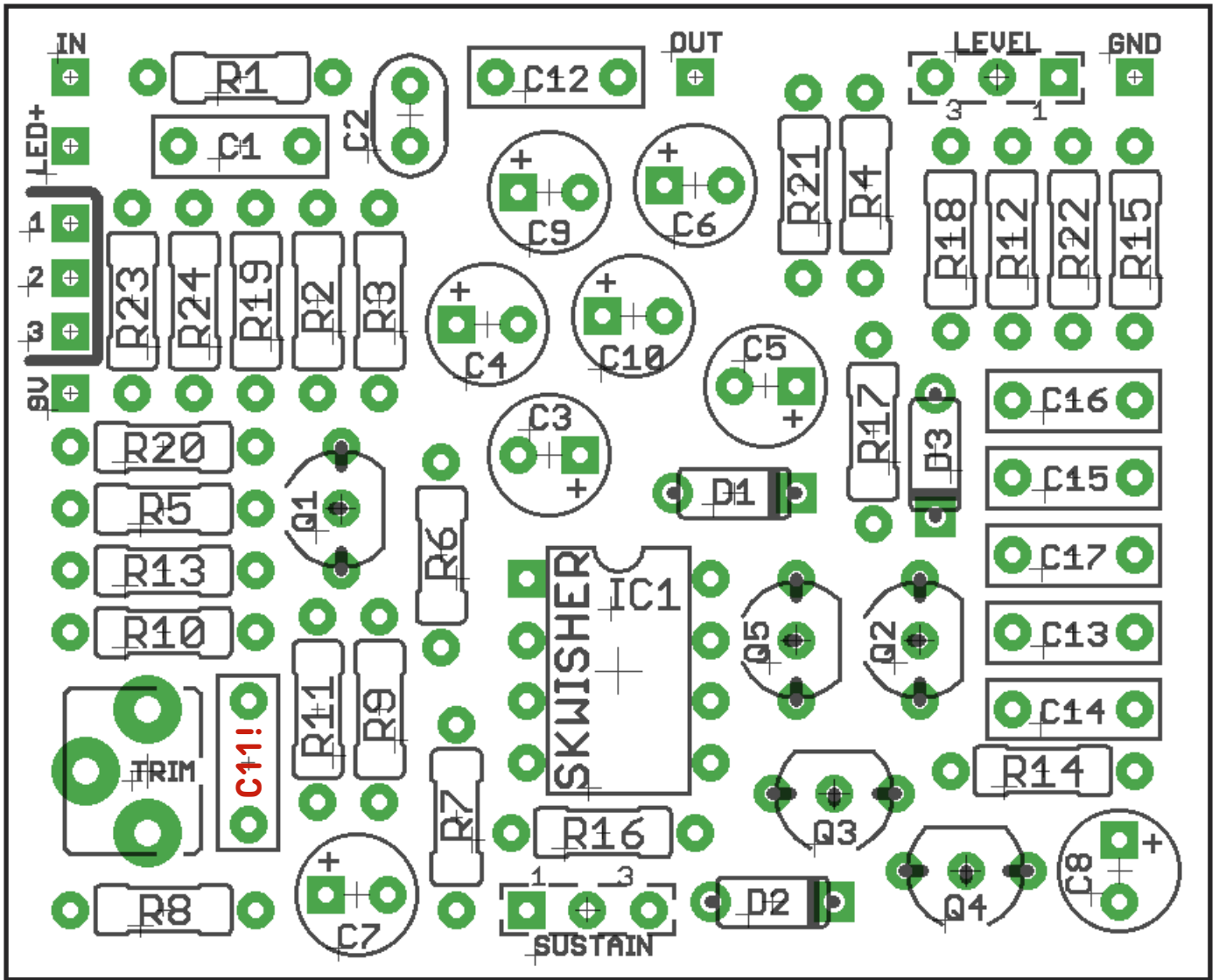
Q1-5 2N5089

IC CA3080E

TRIM 2K2

SUST 500KB/C

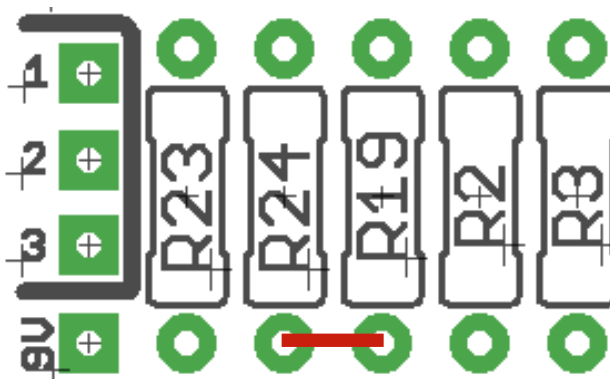
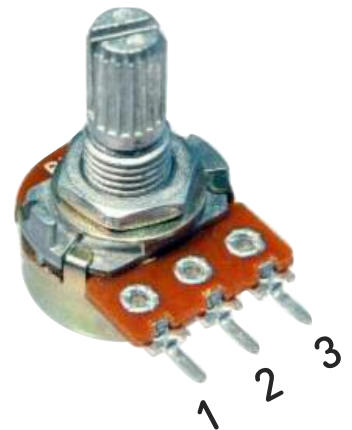
LEVEL 50KA



VARIABLE RECOVERY MOD SWITCH

To go with the stock, fixed recovery setting, omit R20 and R24, and put a jumper in place of R20. No switch.

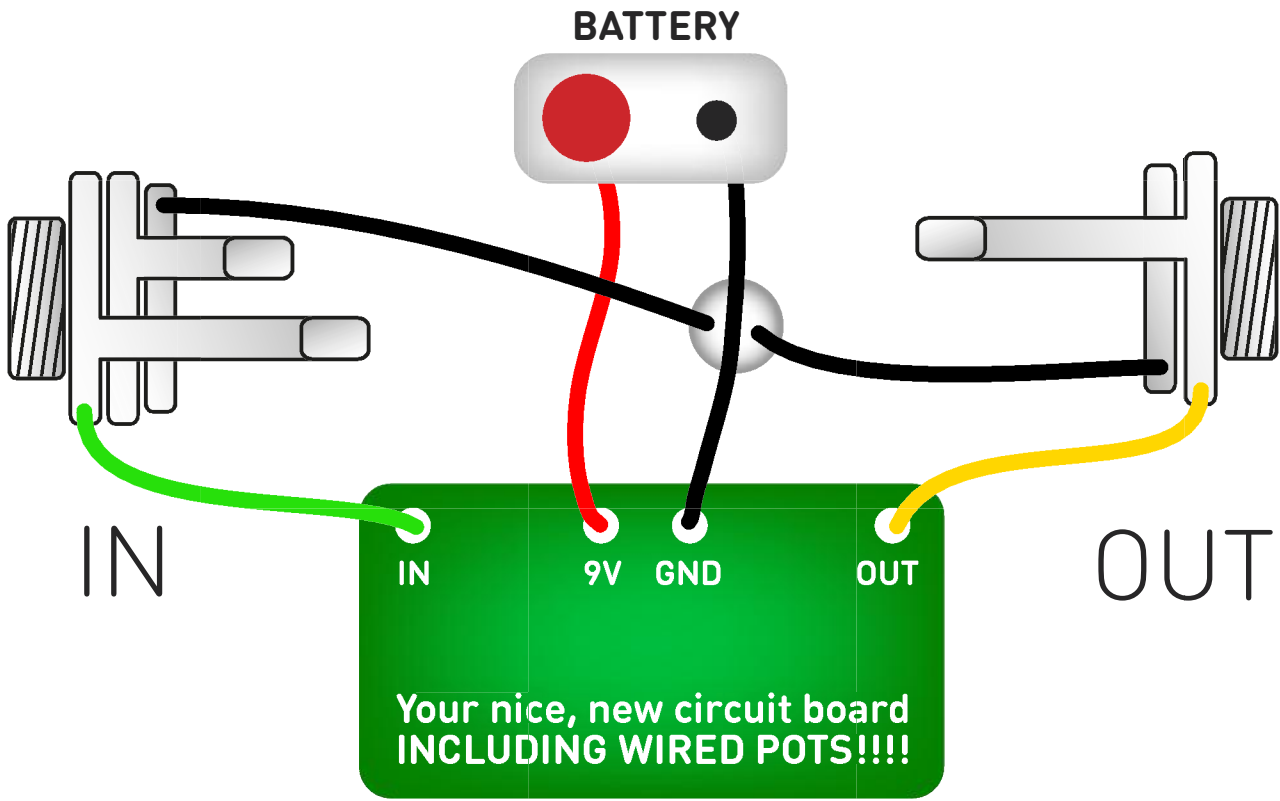
To add the mod, place R20, R24 and solder a SPDT ON-OFF-ON switch to pads 1, 2, 3. It needs a hack I'm afraid. Solder a bridge across R24 and R19 as shown below. An offcut of resistor leg placed across the legs and soldered on the top side of the board will work fine.



Place the trimmer into the middle position of the turn. Adjust left or right until you get a sweet, non-distorted tone with the Sustain pot turned right up.

Note position of C11! Sorry, lack of label was an error on my part

Test the board!

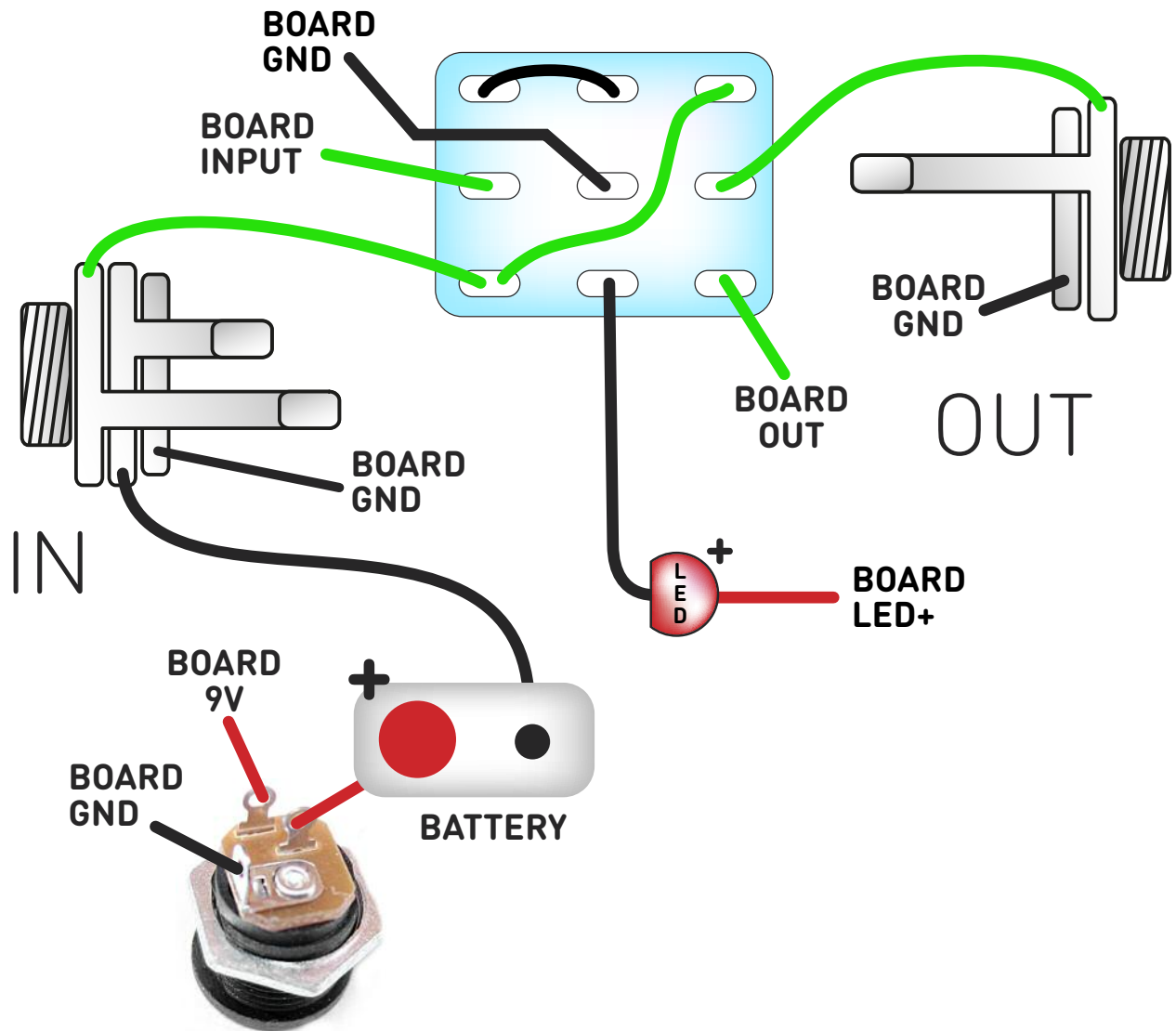


Once you've finished the circuit it makes sense to test it before starting on the switch and LED wiring. It'll cut down troubleshooting time in the long run. If the circuit works at this stage, but it doesn't once you wire up the switch - guess what? You've probably made a mistake with the switch.

Solder some nice, long lengths of wire to the board connections for 9V, GND, IN, OUT. Connect IN and OUT to the jacks as shown. Connect all the GNDs together (twist them up and add a small amount of solder to tack it). Connect the battery + lead to the 9V wire, same method. Plug in. Go!

If it works, crack on and do your switch wiring. If not... aw man. At least you know the problem is with the circuit. Find out why, get it working, THEN worry about the switch etc.

Wire it up



The Board GND connections don't all have to directly attach to the board. You can run a couple of wires from the DC connector, one to the board, another to the IN jack, then daisy chain that over to the OUT jack.

It doesn't matter how they all connect, as long as they do.

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