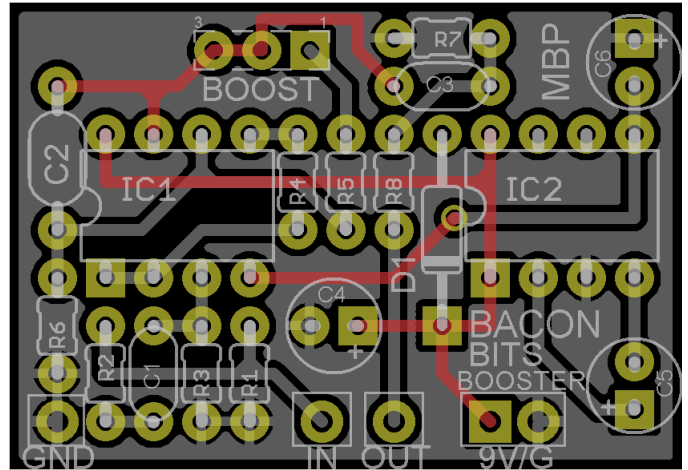
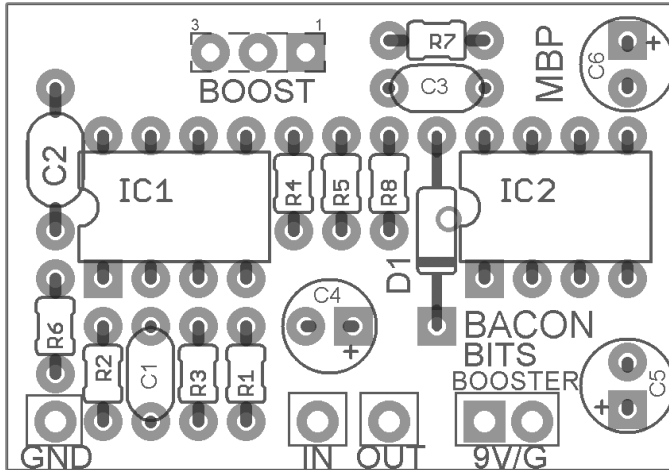


BACON BITS BOOSTER

Baby Board / 1590A project

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1.4"W x 0.975"H



Resistors		Caps		Diodes	
R1	1M	C1	100n	D1	12v Zener
R2	10k	C2	82pF**	IC	
R3	1M	C3	1uF	IC1	TL072
R4	10k	C4	47uF	IC2	TC1044SCPA
R5	10k	C5	10uF	Pots	
R6	100k	C6	10uF	BOOST	500kA
R7	100k				
R8	1k		** mica		

The **BaconBits Booster** is a simple op-amp based booster powered off a split rail supply. It can be used as a stand-alone boost to drive the front end of a tube amp or another effect such as an overdrive. The **BaconBits** utilizes an input buffer which feeds into a negative feedback gain stage. The result is a clean, high headroom boost that adds a lot of “shine” to the guitar at lower boost settings and dynamic, sparkling overdrive at high boost settings.

Boost – Sets the total amount gain.

Notes

There are several IC's that will work in the **BaconBits**. These tend to produce the best results with the most character.

TL072 – Very good all-around

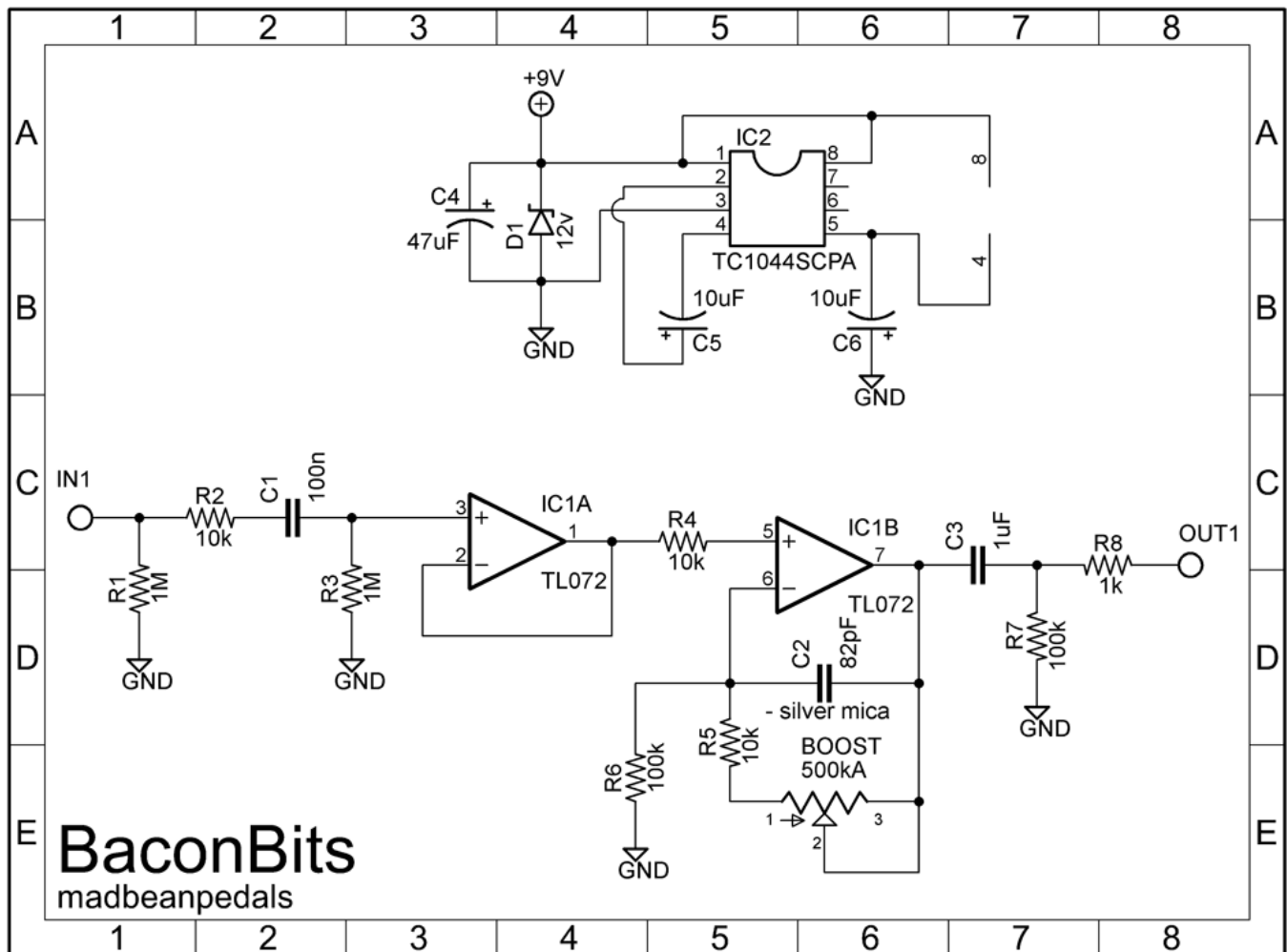
TLC272CP - Better than the TL072, but also slightly compressed (my personal favorite).

OPA2604 - A little less gain than the 272CP with very good dynamics.

TLC2262 – About the same as the OPA2604 and cheaper.

A silver mica cap is suggested for **C2**.

The TC1044SCPA is suggested for **IC2**. The MAX1044SCPA and ICL7660SCPA will also work. Note that if you use the latter, a 9.1v zener is a better choice for **D1** due to the lower voltage tolerance of those chips.



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