

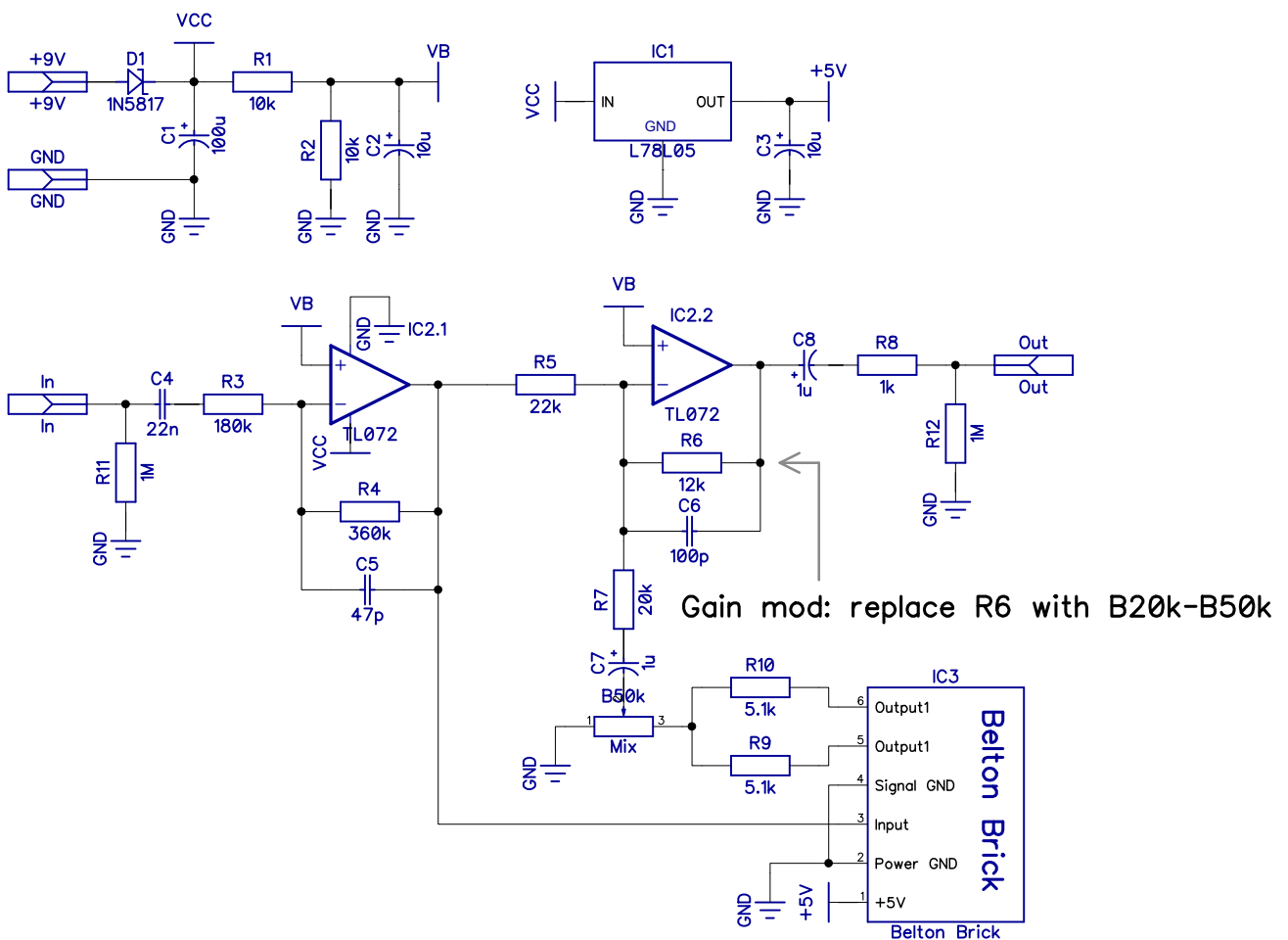


Rubber Duck reverb

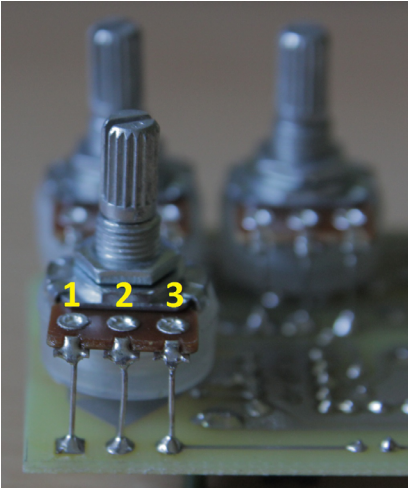
PCB artwork ©2016 drdFX
Release date: 2016.01.22.

The Rubber Duck reverb is my approach to the well known DIY reverb project, the Rub-a-Dub.

SCHEMATIC



NOTES



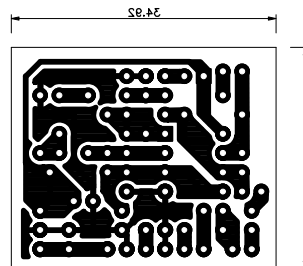
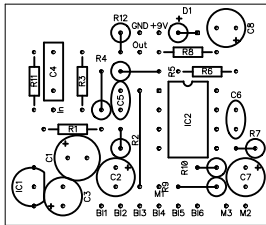
In this one there are not board mounted pots, but only solder points for each lug of the pots.

The lug numbering is as seen on the picture. With careful measuring and low profile parts (elcos, jacks and 9mm pots) this might just fit into a 1590A enclosure (I have managed it at least).

As noted on the schematic I like to replace R6 with a pot to add a volume/gain control as well.

LAYOUT

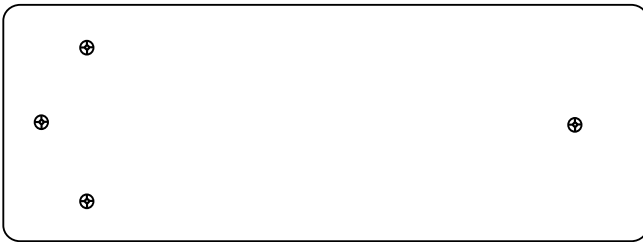
Print out the PCB design without any resizing options and make sure you switch off the “fit to page” option. The design is free for personal/home use and you also may build one or two for your friends, but the PCB layout is my artwork, therefore protected by copyright and is not permitted to be used for commercial purposes. The PCB artwork is based on Jon Patton’s layout with some changes.



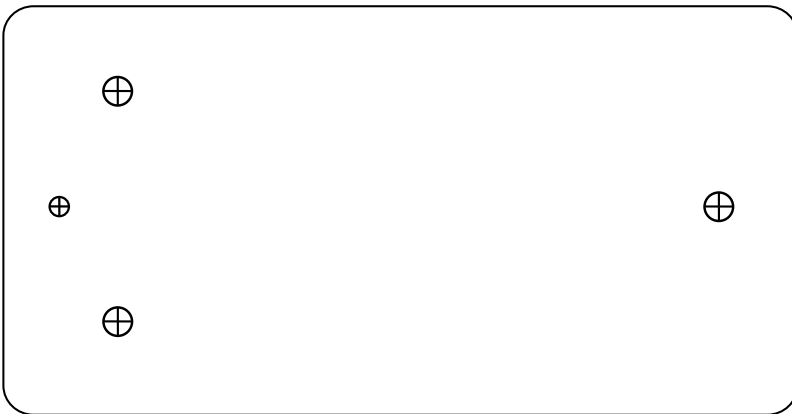
BOM							
Resistors		Capacitors		Semiconductors		Others	
R1	10k	C1	100u	D1	1N5817	Mix	B50k
R2	10k	C2	10u	IC1	L78L05		
R3	180k	C3	10u	IC2	TL072		
R4	360k	C4	22n	IC3	BTDR-2		
R5	22k	C5	47p				
R6	12k	C6	100p				
R7	20k	C7	1u				
R8	1k	C8	1u				
R9	5.1k						
R10	5.1k						
R11	1M						
R12	1M						

DRILLING TEMPLATES

The below drilling templates are for 1590A, 1590B and 125B. The 1590A might be a very tight fit, if you don't feel comfortable I rather suggest using the larger enclosures. I include here the drilling templates for the 2 pot version.



1590A



1590B



125B