By SOLDERSOUNDUltra Falnger

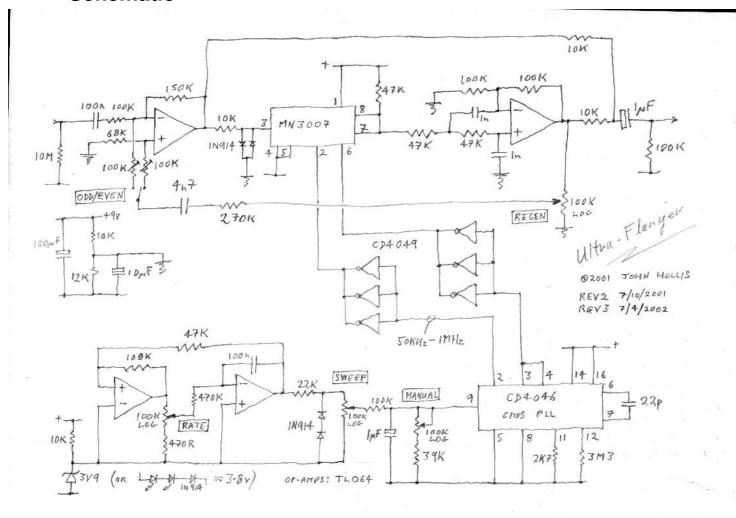
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Design: John Hollis

Layout: Solderman verified

This is the Ultra Falnger in a 1590A box layout. I gave made one modifications to the original design. I have put in a 20Ktrim pot in stead of the zener diode or the 2 X LED + 1N914. I have also used a trim pot for the "Manual" pot. Of cause it is perfectly possible to use a normal pot for Manual. The layout can also be put in a normal MXR style box and then 4 pots and a switch will fit easy. There will also be room for an internal 9V battery as well.

Schematic

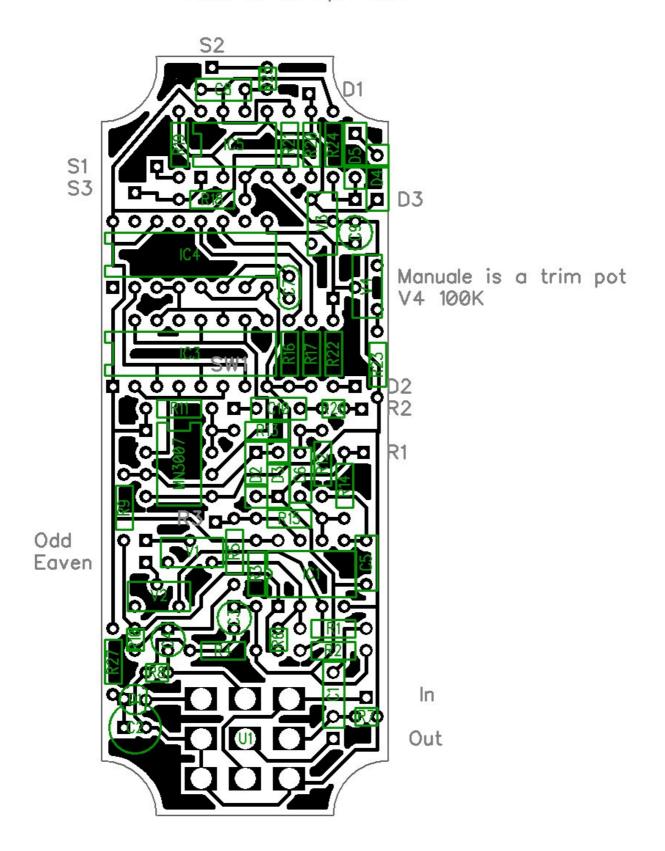


Bill of material

Capacitors		Resisto	rs		
C1	100nF	R1	100K	R17	2K7
C2	100uF	R2	68K	R18	100K
C3	10uF	R3	10K	R19	470R
C4	1uF	R4	12K	R20	10K
C5	1nF	R5	10K	R21	47K
C6	1nF	R6	150K	R22	100K
C7	22pF	R7	1M	R23	39K
C8	100nF	R8	100K	R24	22K
C9	1uF	R9	10K	R25	470K
C10	4n7	R10	10K	R26	270K
		R11	47K	R27	1K
		R12	47K		
		R13	47K		
		R14	100K		
		R15	100K		
		R16	3M3		
IC:s and transistors		Other			
IC1	TL072	V1		100K	
IC3	CD4049	V2		100K	
IC4	CD4046	V3		20K	
IC5	TL072	V4		100K	
MN3007 MN3007		Rate 100KA			
D1 3mmLED		Regen 1	100KA		
D2-5 1N914 or eq.		Depth 1	.00KA		
		Manual	100KA		

Layout and wiring

Bias V3 at apr. 3.8V



Component layout

