

Sheet1

Falafular Lord have Mersey CR8000 based BD and SNR module BOM

Start by soldering a 100k and a 120k instead of the 56k and 68k like indicated in the picture below. These set the BD gain. For a more aggressive tone, use values indicated on the PCB. It may be a bit overdone though. I like the mod better.

proceed...

Main Board, this side

Main Board, that side

TL072	x4	soic08 size	150k	x1	0805 size
56k	x1	0805 size	BP cap		
33k	x3	0805 size	10n-100n	x8	0805 size
270k	x2	0805 size	BC547	x1	TO92
82k	x1	0805 size	ferrite bead*	x2	
3k3	x1	0805 size	trimpot 100k**	x1	noise level
47k	x4	0805 size	skip BD lvl trimmer		
15k	x3	0805 size	elecctrolytic		
680k	x3	0805 size	capacitor 10uF	x4	
10k	x5	0805 size	elecctrolytic		
68k	x1	0805 size	capacitor 1uF	x3	
100k	x3	0805 size	shrouded 10pin		
120k	x2	0805 size	power header	x1	
1M	x4	0805 size			
1k	x2	0805 size	CLOSE SOLDER BRIDGE!		
27k	x1	0805 size	4 pin angled header		
2k2	x1	0805 size	3 pin angled header		
560k	x1	0805 size			
100r	x1	0805 size			
4k7	x1	0805 size			
22k	x1	0805 size			
470k	x1	0805 size			
27n	x2	0805 size			
2n2	x4	0805 size			
56n	x2	0805 size			
4n7	x2	0805 size			
15n	x3	0805 size			
22n	x2	0805 size			
18n	x1	0805 size			
100p	x1	0805 size			
100k*	x1	0805 size			
bc847	x2	SOT-23			
l4148	x4	melf DO-213 AA			
ll4001	x2	melf DO-213 AB			

* you can also use a resistor in the range of 15r-25r

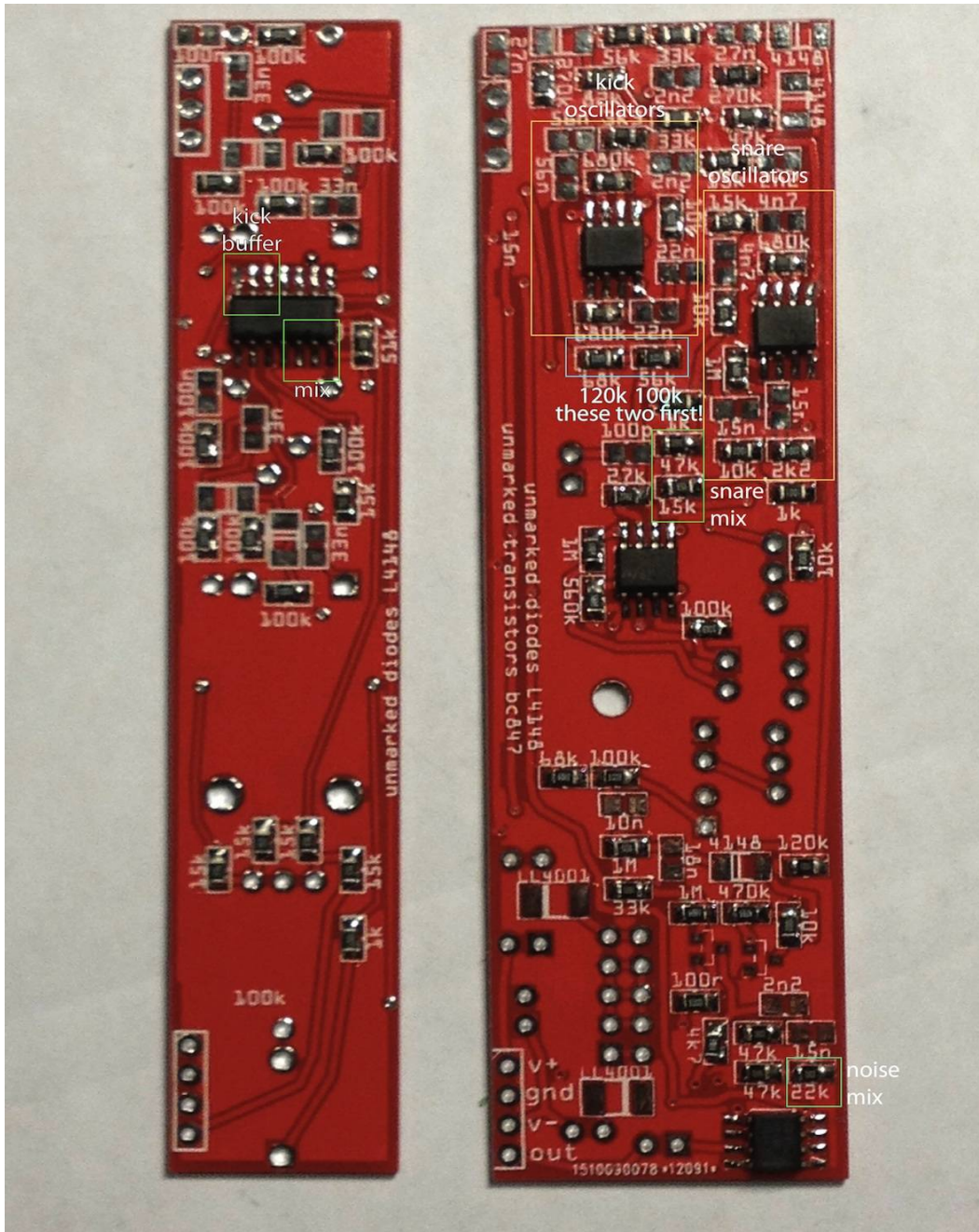
** The PCB says 10k trimmer for noise level but that won't do the trick, try anything between 50 and 100k

Sheet1

Start by soldering a 100k and 120k instead of the 56k and 68k in the spot indicated below

“snare mix” and “noise mix” are where the snare oscillators and the noise are mixed in. The kick and snare oscillators are also indicated. 18n sets the “decay” of the noise part. Change values here to mess with the tone.

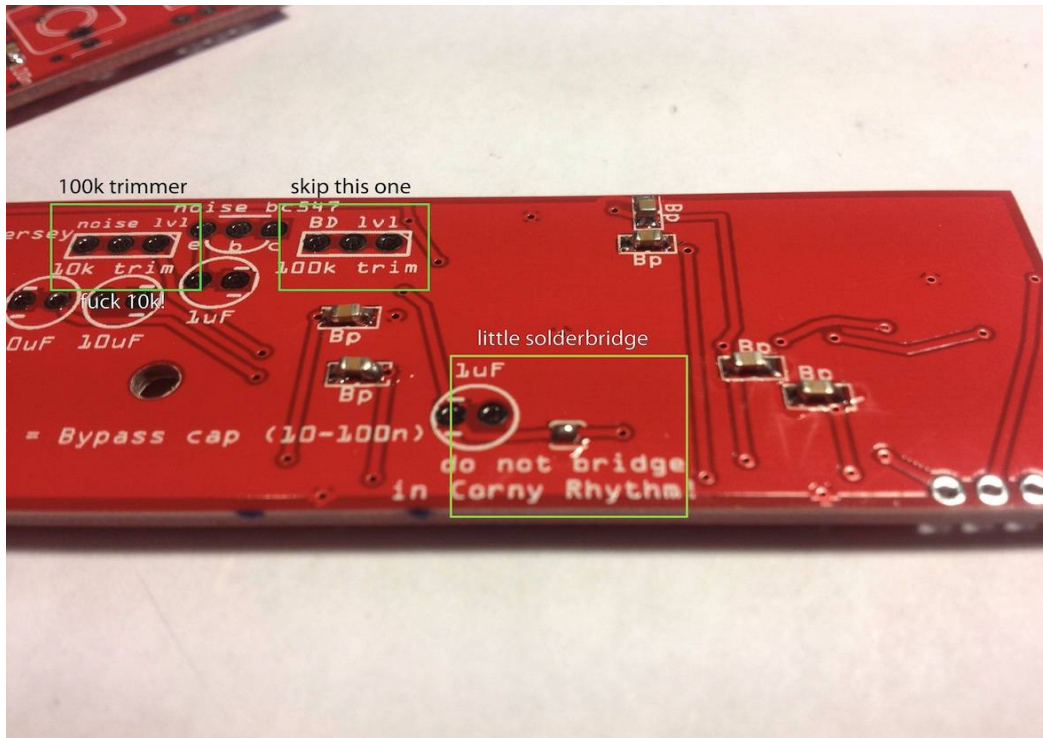
Check back here if you are not sure about the position of a component, this picture was taken when only the IC's and resistors had been soldered on.



Sheet1

Don't forget to close the little solderbridge like so:
 Note the trimmer situation.

....but without the autofocus



Panelboard this side:

TL074	x1	SOIC14
100k	x9	0805 size
51k	x1	0805 size
15k	x5	0805 size
1k	x1	0805 size
100n	x2	0805 size
33n	x4	0805 size
I4148	x4	melf DO-213 AA

Panelboard that side:

110n	x2	0805 size
10k pot		
alpha 9mm	x1	
Kobiconn		
16PJ135	x3	or Thonkiconn
E-switch		
302e11.08	x2	

and a nice frontpanel...
 Have fun!

Yes this board can be used with the Corny Rhythm but I haven't even tried it myself
 It would involve leaving open the solderbridge, adding the 100k BD lvl trimmer,
 some straight pin headers and some code jiggling.

I have no idea if the circuit suffers from the interference that the display driver
 in the Corny Rhythm may beam into it. YET!

