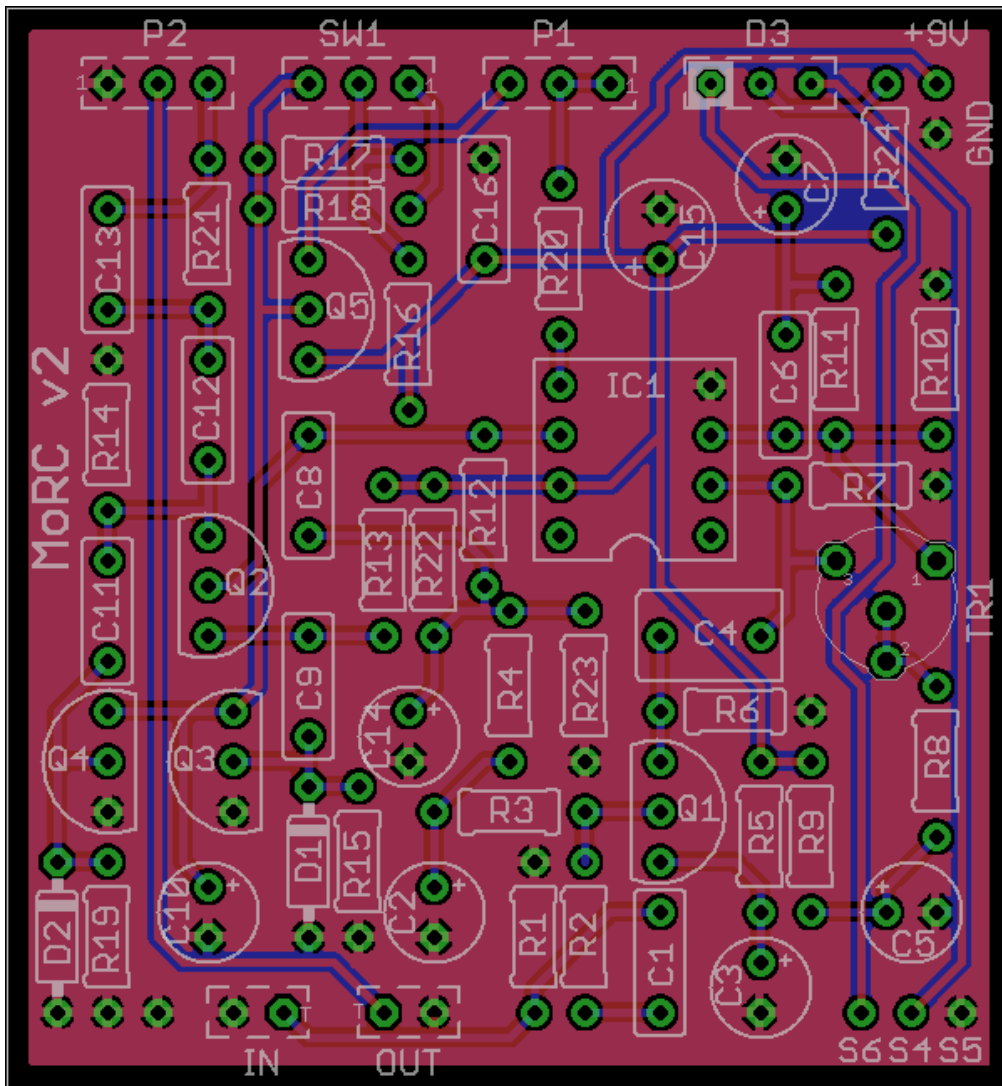


MoRC v2

Board Dimensions (W x H) 2" x 2.15" ca. 50.8mm x 54.6mm

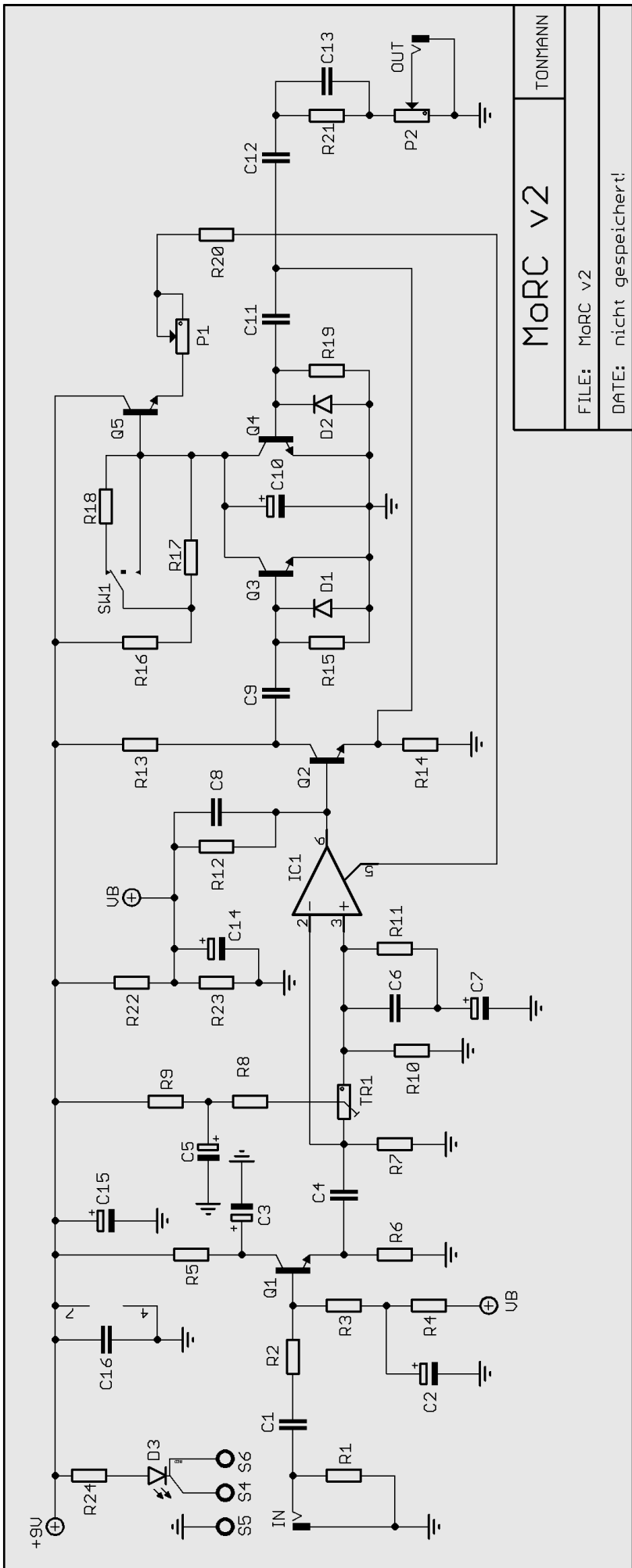


The above image can be downloaded from

<http://i647.photobucket.com/albums/uu198/tonmann/GuitarPCB%20Boards/MoRCv2Layout.png>

Printing at 300dpi will assist you in your enclosure layout.

R1	1M	R13	10k	C1	10n	63V	C13	2n2	63V	D1	1N914
R2	10k	R14	10k	C2	1 μ	16V	C14	1 μ	16V	D2	1N914
R3	470k	R15	1M	C3	1 μ	16V	C15	47 μ	16V	D3	CA Bi-colour LED
R4	470k	R16	10k	C4	1 μ *	63V	C16	10n	63V		
R5	10k	R17	150k	C5	1 μ	16V				P1	500k Rev Log
R6	10k	R18	39k	C6	10n	63V	Q1	2N5088		P2	100k Log
R7	1M	R19	1M	C7	1 μ	16V	Q2	2N5088		TR1	2k
R8	220k	R20	27k	C8	1n	63V	Q3	2N5088			
R9	220k	R21	10k	C9	10n	63V	Q4	2N5088		SW1	SPDT On Off On
R10	1M	R22	56k	C10	10 μ	16V	Q5	2N5088			
R11	15k	R23	27k	C11	10n	63V					
R12	150k	R24	3k3	C12	22n	63V	IC1	CA3080			



MoRC v2

TONMANN

FILE: MoRC v2

DATE: nicht gespeichert!

This is a modified Ross Compressor. I am indebted to R.G.Keen, Mark Hammer and Phillip Bryant for their modification suggestions.

If you don't want to include the Release Switch modification, do not install SW1 and R18, change R16 to 150k and replace R17 with a jumper.

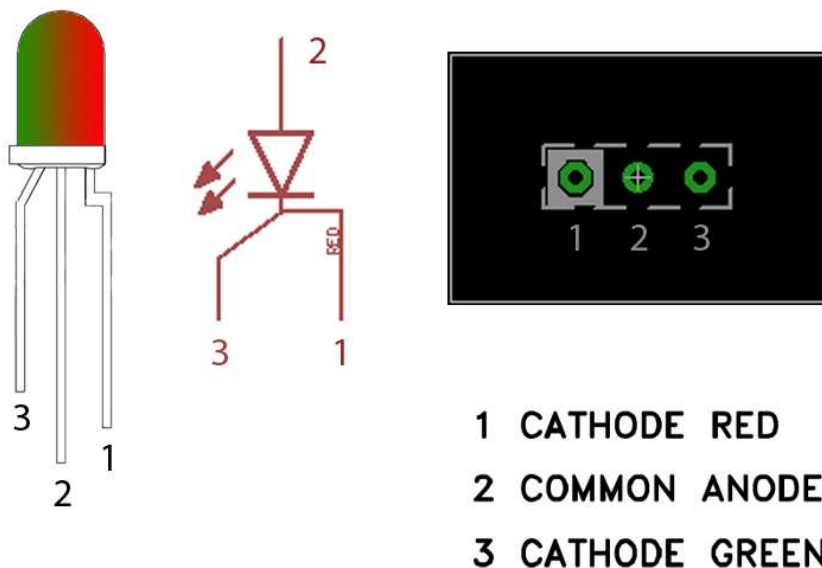
P1 is a 500k reverse log pot which gives smoother control for sustain. A 500k Lin pot will work here but the control won't be as smooth.

C4 is a 1 μ F non-polarized film capacitor, 680nF could be used here should not affect the sound.

Set the trim pot, TR1, to the mid position – you can be more accurate by measuring the resistance between lugs 1 and 2 and between lugs 2 and 3, both values should be the same. If you hear “thumps” whilst playing, the trim pot should be finely adjusted until the “thumps” disappear.

STATUS LED

D3 is a common anode bi-colour LED



The diagram above shows the pin-out, schematic symbol and pad connection for a common anode LED.

The pin-out for the bi-colour LED is as follows:

1st Colour Cathode 90 degree bend in the lead
Common Anode Middle lead
2nd Colour Cathode 45 degree bend in the lead

The pad for lead 1 on the circuit board is marked with a white box.

When connected correctly D3 will light red when power is applied and the circuit is in bypass mode and light green when the circuit is in effects mode.

If you wish to use a standard LED the anode is connected to the middle pad and the cathode to the right pad.

If you are using one of GuitarPCB's 3PDT Wiring Boards pas S4, S5 and S6 are ignored, D1 and R24 are not installed.

WIRING

