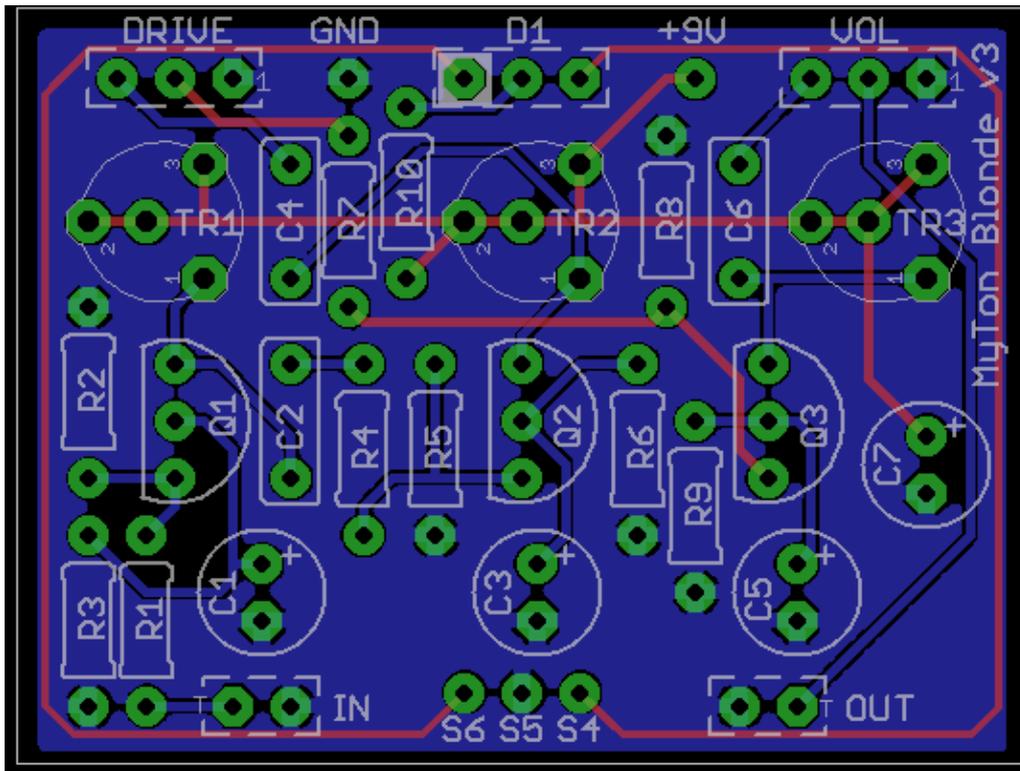


MYTON BLONDE v3

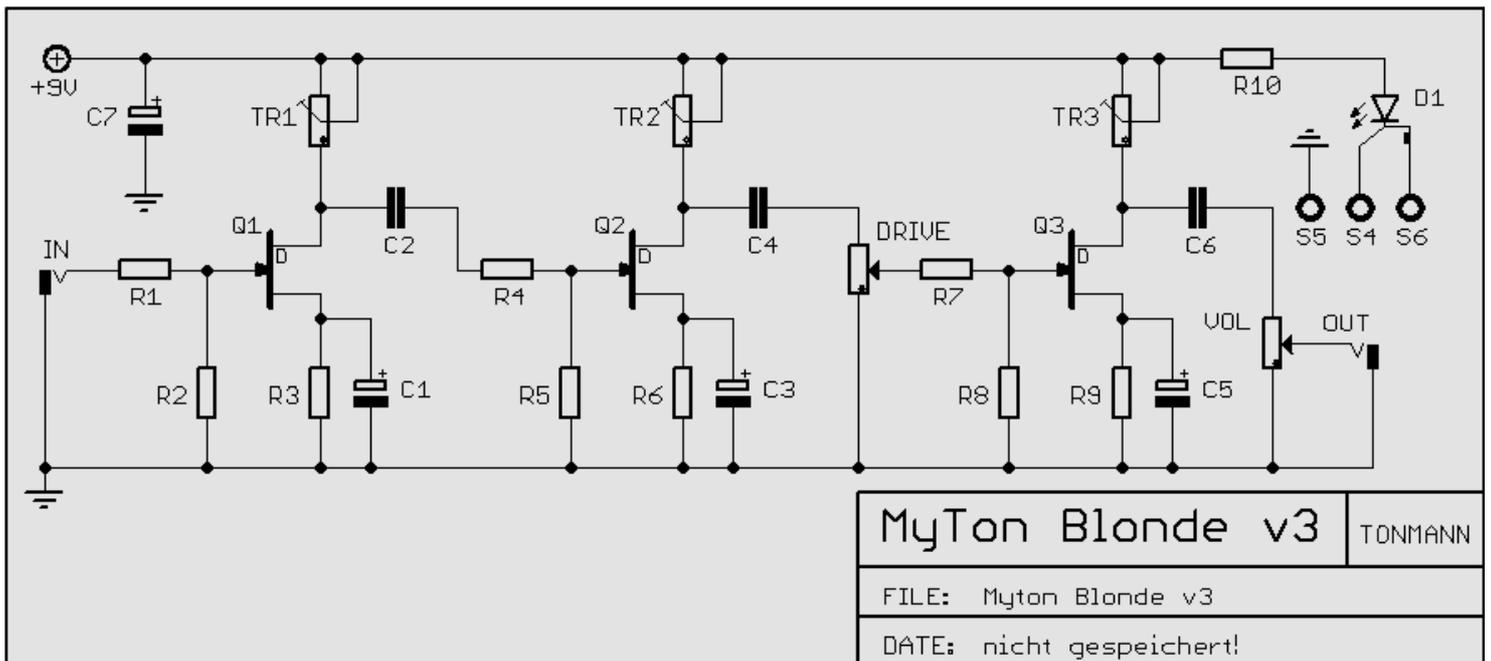
Board Dimensions (W x H) 1.75" x 1.33" ca. 44.5mm x 33.7mm



The above image can be downloaded from

http://i647.photobucket.com/albums/uu198/tonmann/GuitarPCB%20Boards/MytonBlondev3Layout_zpsd529fc12.png

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

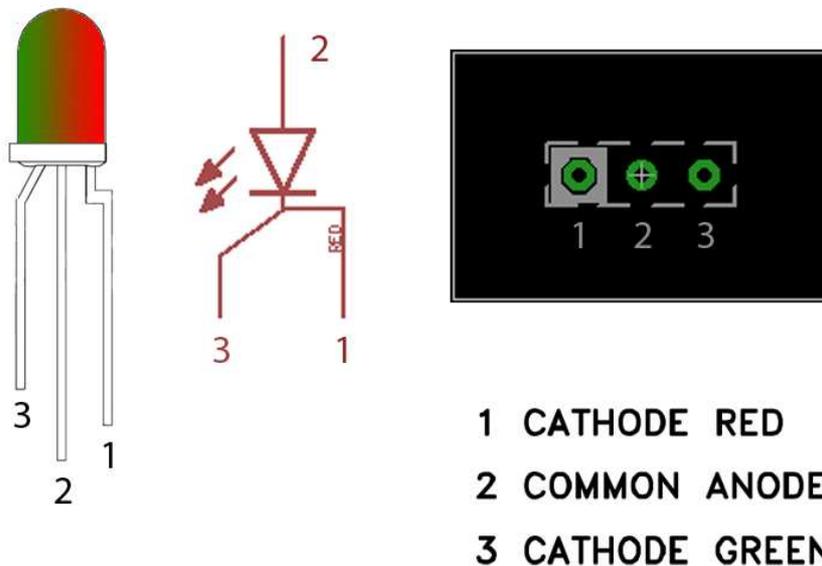


R1	33k	C1	22 μ	16V	Q1 – Q3	MPF102
R2	1M	C2	56n	63V		
R3	1k	C3	22 μ	16V	DRIVE	100k Lin
R4	68k	C4	56n	63V	VOL	100k Log
R5	1M	C5	22 μ	16V		
R6	1k	C6	56n	63V	TR1 – TR3	5k*
R7	68k	C7	47 μ	16V		
R8	1M				D1	CA Bi-colour LED
R9	1k					
R10	1k8					

* see text

STATUS LED

D1 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:

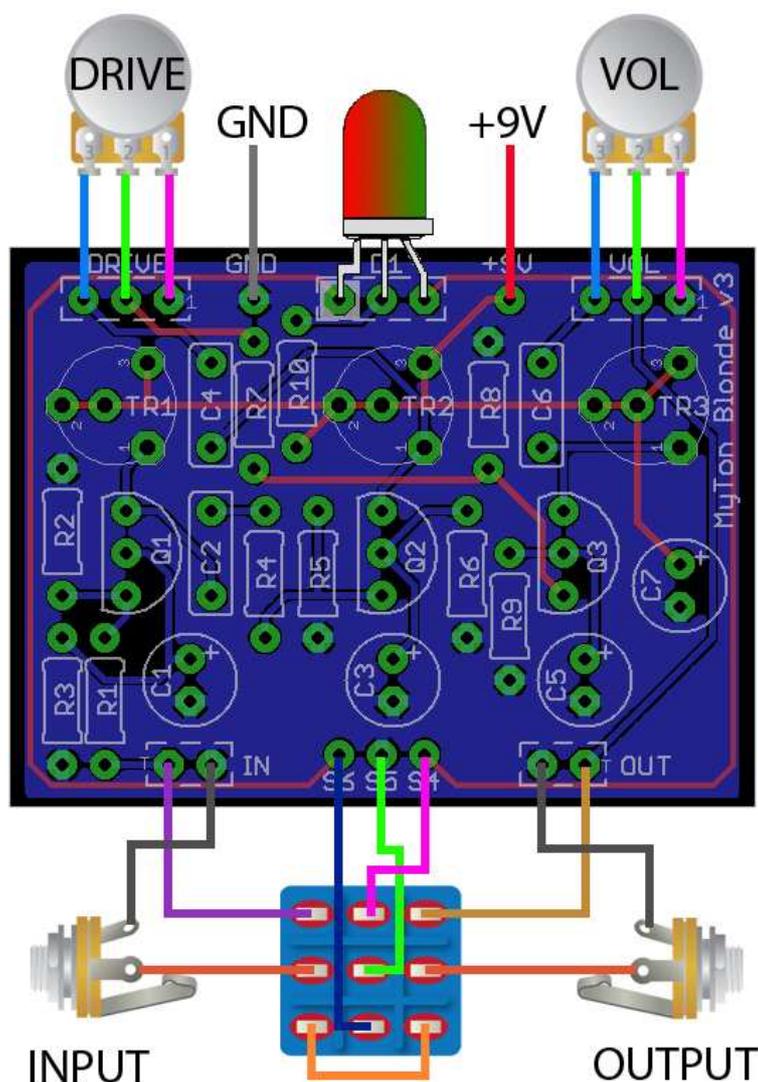
1st Colour Cathode 90 degree bend in the lead
 Common Anode Middle lead
 2nd Colour Cathode 45 degree bend in the lead

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

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

If you wish to use a standard LED, connect the anode to the middle pad and the cathode to the right pad to show the circuit in effects mode.

WIRING



The three trim pots (TR1 – TR3) are used to set the bias voltages at the drains of Q1 – Q3 initially to 4.5V. The drain pin for each JFET is the top pad, looking at the diagram above, for each JFET.

Although 5k Ω trim pots are recommended, 10k Ω pots can be used.

Although it is recommended to bias each JFET to 4.5V, there is nothing to stop you from experimenting with different bias voltage; suggestions are to bias Q1 and Q2 both to a higher voltage (same bias voltage for both) and leave Q3 at 4.5V.

For those who have a good supply of JFETs it is worth experimenting with different types of JFETs, I would suggest keeping at least Q1 and Q2 as the same type of JFET e.g. J201 and trying perhaps a 2N5457 for Q3.