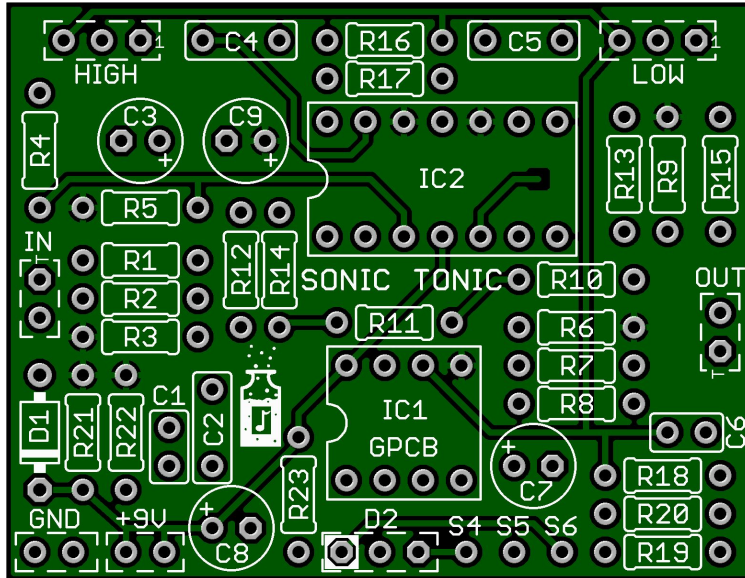


Sonic Tonic

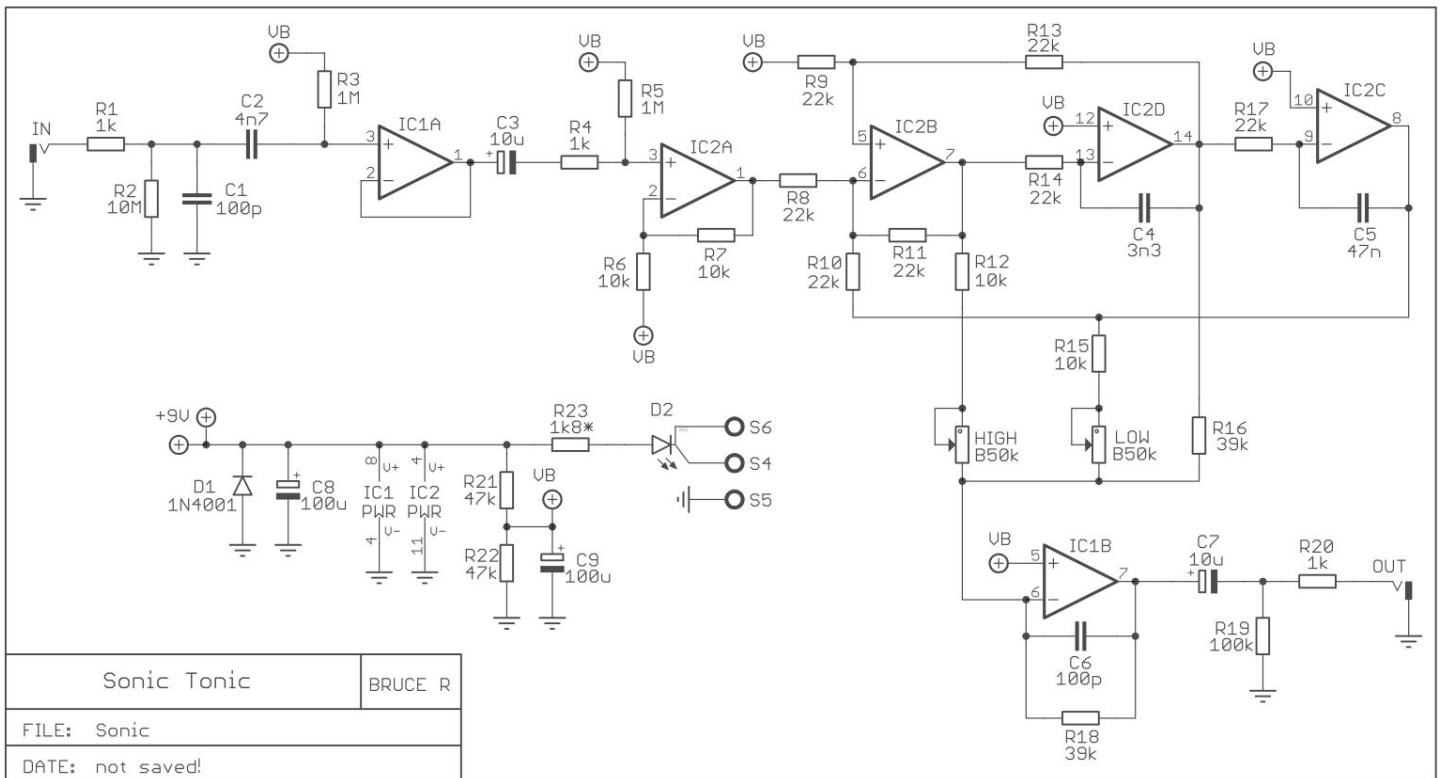
It's more than just a preamp. It has an amazing dual band EQ that provides the transparent tone shaping that you need to make that acoustic guitar or other instruments sound like...**well...like they're supposed to.** It's based on a vintage circuit concept that uses modern components to provide a low and a high EQ contour to compensate for any pickup irregularities that discolor your tone. This gives you the **TONIC** to sweeten the sound and make that acoustic cut through the mix and sound authentic!

Here's the best part! This **Sonic Tonic** is a preamp for all instruments **Guitar, Bass, keyboards** AND it is also a **BUFFER** output to prevent loss of high freq in longer cable runs to the amp.

It's not a Gin and Tonic, nor a Vodka Tonic! **It's the SONIC TONIC you need! Please play responsibly.**



Board Dimensions 1.95" x 1.51"



Bill of Materials

R1	1k	R13	22k	C1	100p	D1	1N4001
R2	10M	R14	22k	C2	4n7	D2	*Status LED
R3	1M	R15	10k	C3	10u		
R4	1k	R16	39k	C4	3n3	HIGH	B50k
R5	1M	R17	22k	C5	47n	LOW	B50k
R6	10k	R18	39k	C6	100p		
R7	10k	R19	100k	C7	10u	IC1	TL072
R8	22k	R20	1k	C8	100u	IC2	TL074
R9	22k	R21	47k	C9	100u		
R10	22k	R22	47k				
R11	22k	R23	1k8*				
R12	10k						

Build Notes:

Pretty easy straight forward build. Just take your time and check your resistor and cap values.

R23 is the CLR or Current Limiting Resistor.

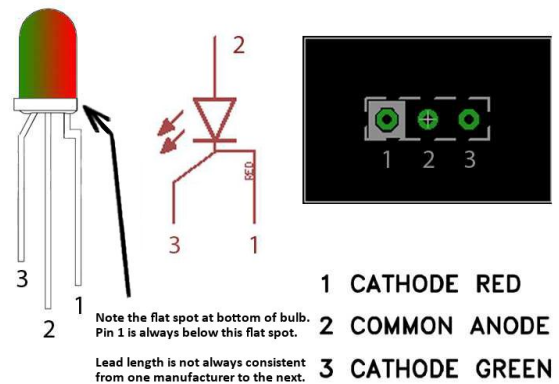
You may hand wire the two potentiometers or you may use the Green 9mm potentiometers and board mount them since they will fit snug and are in the correct orientation. *Do not get the plastic knob type (No nut & washer).

See Photos below. These are available at Mouser, Das Musikding, Small Bear etc

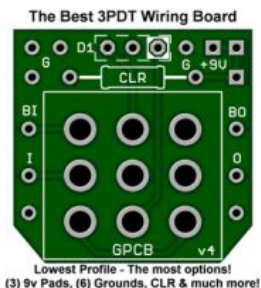
STATUS LED

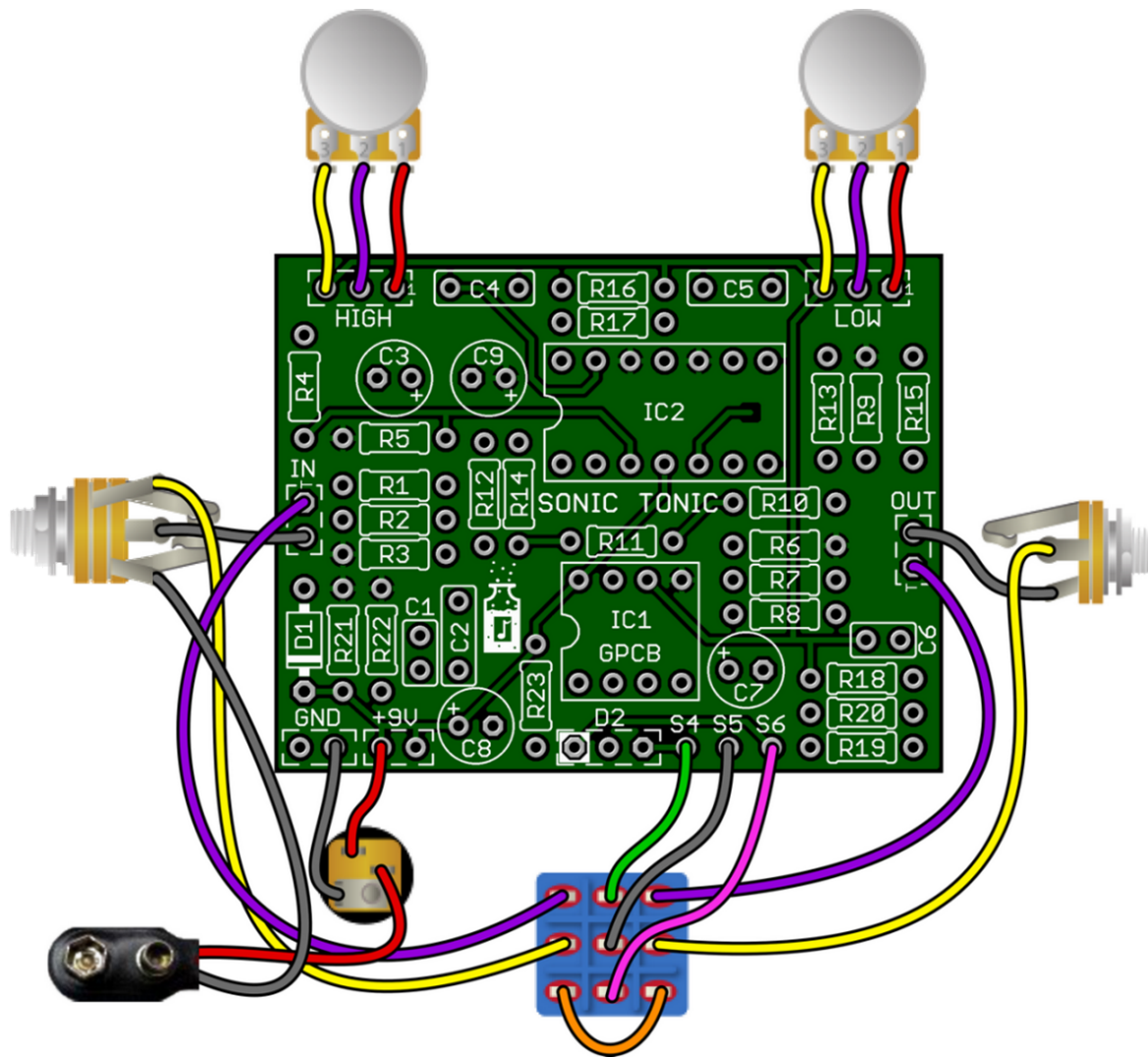
D2 is a common anode bi-color LED. The diagram at right shows the pin-out, schematic symbol and pad connection for a common anode LED. The pin-out for the bi-color LED is typically (but not always) as follows: The lead 1 pad on the circuit board is marked with a white box.

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. If you use a 3PDT wiring board that includes an LED, you can omit this LED and R23. *R23 is the LED's Current Limiting Resistor (CLR). If you use a different LED, you may want to change this value to adjust LED brightness. Values up to 4.7k have been used to dim the brightness.



If you are using one of GuitarPCB's handy [3PDT wiring boards](#), pads S4, S5, S6 and D1 would be ignored and R1 would not be installed. See wiring guide below for reference.





[Soldering Tutorial on Youtube](#)

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Europe – [Das Musikding](#) Order either boards or kits direct from Europe.

[PedalPartsAustralia](#) - Order either boards or kits direct from Australia

If they do not have a KIT listed send them a note asking if they can help you out.



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