

COMPONENT COUNT

54

COMPARES TO

VALVE WIZARD ENGINEER'S THUMB

MINIMUM ENCLOSURE

HAMMOND 1590B  
C60 GORVA

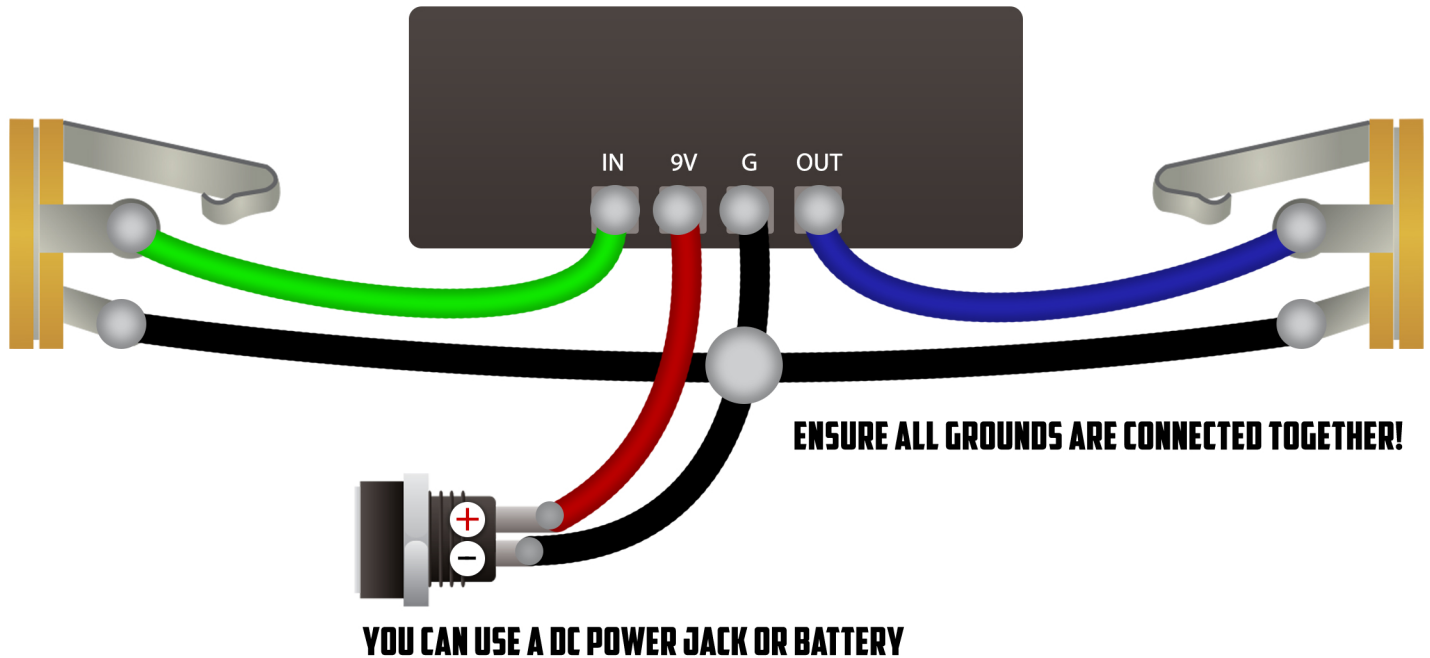
BOARD DIMENSIONS

50 X 58 MM

Reference	Value	Footprint						
R1	1M	1/4 Watt Resistor	C1	220pF	Ceramic/MLCC Capacitor	Q4	J201	jFet D/S/G Transistor
R2	470R	1/4 Watt Resistor	C2	22nF	Box/MLCC Capacitor	Q5	J201	jFet D/S/G Transistor
R3	1M	1/4 Watt Resistor	C3	1uF	Box/MLCC Capacitor	Q6	J201	jFet D/S/G Transistor
R4	10K	1/4 Watt Resistor	C4	22nF	Box/MLCC Capacitor			
R5	1K	1/4 Watt Resistor	C5	56nF	Box/MLCC Capacitor	TRIM1	50K	6mm Trim Pot
R6	1M	1/4 Watt Resistor	C6	470pF	Ceramic/MLCC Capacitor	TRIM2	50K	6mm Trim Pot
R7	1M	1/4 Watt Resistor	C7	150pF	Ceramic/MLCC Capacitor			
R8	470K	1/4 Watt Resistor	C8	100nF	Box/MLCC Capacitor	D1	1N5817	Schottky Diode
R9	10K	1/4 Watt Resistor	C9	22nF	Box/MLCC Capacitor	GAIN-TOG-1	GAIN-TOG	DPDT Toggle
R10	1K	1/4 Watt Resistor	C10	1uF	Box/MLCC Capacitor	MODE1	SPDT	SPDT Toggle
R11	1M	1/4 Watt Resistor	C11	10nF	Box/MLCC Capacitor			
R12	1M	1/4 Watt Resistor	C12	10nF	Box/MLCC Capacitor	CONTOUR1	C50K	16mm Potentiometer
R13	82K	1/4 Watt Resistor	C13	6.8nF	Box/MLCC Capacitor	GAIN1	A500K	16mm Potentiometer
R14	1K	1/4 Watt Resistor	C14	4.7nF	Box/MLCC Capacitor	VOL1	A100K	16mm Potentiometer
R15	47K	1/4 Watt Resistor	C15	4.7nF	Box/MLCC Capacitor	TONE1	B100K	16mm Potentiometer
R16	82K	1/4 Watt Resistor	C16	33nF	Box/MLCC Capacitor			
R17	10K	1/4 Watt Resistor	C17	1uF	Box/MLCC Capacitor			
R18	10K	1/4 Watt Resistor	C18	220uF	Electrolytic Capacitor - Min 16V			
R19	220K	1/4 Watt Resistor	Q1					
R20	1K	1/4 Watt Resistor	Q2					
R21	220K	1/4 Watt Resistor	Q3					
R22	22K	1/4 Watt Resistor						

Bias drain of Q5 & Q6 to 4.5V (or thereabouts) using Trim 1 + 2.

# TEST HOOKUP FOR YOUR BOARD



**UNDER NO CIRCUMSTANCES** will troubleshooting help be offered to you if you have skipped this step. Simple.

Before you dive in and start wiring up your LED and 3PDT footswitch, hook it up like the above diagram and make sure it works.

If it doesn't work at this stage, you know the issue is with your board, and not your off board wiring.

If everything works, get cracking on your external wiring - if not, recheck the build docs and your component values, reflow (that's re-heat all the solder joints to ensure they aren't cold) then re-test.

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