

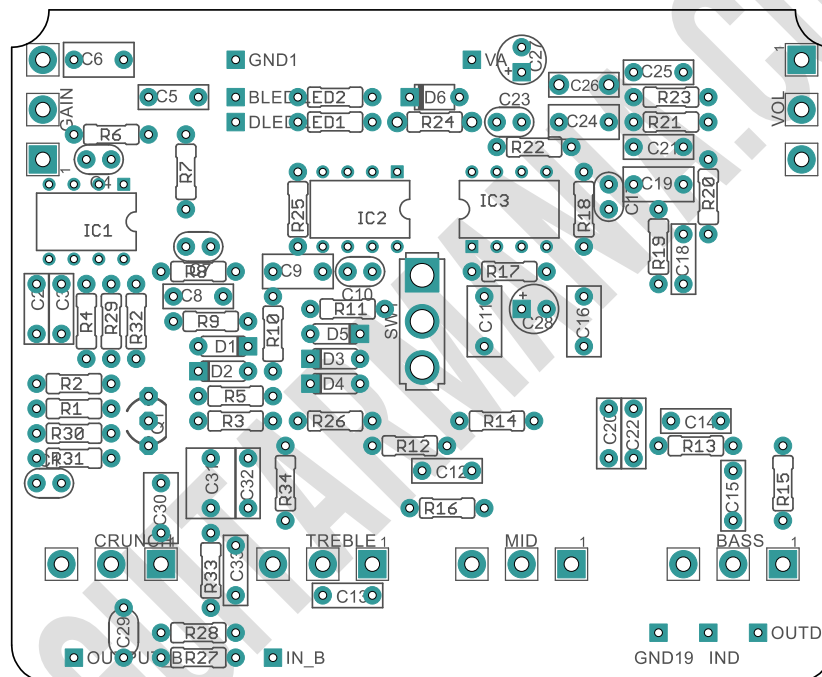
Triple Wicked

Based on Wampler's Triple Wreck

High Gain Distortion with Contour booster

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[Project link](#)



The Triple Wicked is one the best solutions out there for those ones who are looking for a high gain unit in their board. Specially great for metal players.

- Ready to be wired as True Bypass.
- Contour booster incorporated on the same board.
- Designed for on-board potentiometers, keep it tidy without cables.
- Works with 3 Dual Op amps, pretty easy to get.

BOM

Resistors		Capacitors	
R1	1M	C1	220pF
R2	1K	C2	220nf
R3	470K	C3	33n
R4	10K	C4	560pF
R5	470K	C5	220n
R6	1K	C6	1uF
R7	10K	C7	220pF
R8	470K	C8	220n
R9	1K	C9	1uF
R10	47K	C10	220pF
R11	100K	C11	1uF
R12	1K	C12	4.7n
R13	4.7K	C13	47n
R14	10K	C14	47n
R15	1K	C15	100n
R16	470K	C16	1uF
R17	470K	C17	470pF
R18	47K	C18	47n
R19	47K	C19	1uF
R20	33K	C20	100n
R21	33K	C21	1n
R22	680K	C22	47n
R23	10K	C23	330pF
R24	jumper	C24	1uF
R25	10K	C25	4.7n
R26	10K	C26	10n
R27	1M	C27	100uF electro
R28	100R	C28	10uF electro
R29	1M	C29	100pF
R30	100K	C30	1uF
R31	1K	C31	2.2uF
R32	47K	C32	10n
R33	47K	C33	10n
R34	100K		
RLED1	4.7K	Diodes	
RLED2	4.7K	D1	1N4148
		D2	1N4148
Potentiometers		D3	1N4148
BASS	100K c	D4	1N4148
CRUNCH	100K a	D5	1N4148
TREBLE	50K a	D6	1N4001

GAIN	100K A	DLED	RED LED
VOL	100K a	BLED	GREEN LED
MID	100K a		
Semiconductors			
Switches		IC1	LM4558N
SW1	SPDT ON-ON	IC2	LM4558N
		IC3	LM4558N
		Q1	2N5089

Shopping list

Qty	Value	Parts
Resistors		
6	10K	R4, R7, R14, R23, R25, R26
3	100K	R11, R30, R34
1	100R	R28
6	1K	R2, R6, R9, R12, R15, R31
3	1M	R1, R27, R29
2	33K	R20, R21
3	4.7K	R13, RLED1, RLED2
5	470K	R3, R5, R8, R16, R17
5	47K	R10, R18, R19, R32, R33
1	680K	R22
Capacitors		
1	470pF	C17
1	1n	C21
7	1uF	C6, C9, C11, C16, C19, C24, C30
1	2.2uF	C31
2	220n	C5, C8
1	220nf	C2
1	560pF	C4
2	4.7n	C12, C25
1	330pF	C23
3	220pF	C1, C7, C10
1	33n	C3
2	10n	C32, C33
1	10n	C26
1	10uF electro	C28
2	100n	C15, C20
1	100pF	C29
1	100uF electro	C27

4	47n	C13, C14, C18, C22
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Pots

1	100K A	GAIN
3	100K a	CRUNCH, MID, VOL
1	100K c	BASS
1	50K a	TREBLE

Semiconductors

3	LM4558	IC1, IC2, IC3
1	2N5089	Q1

Diodes

1	1N4001	D6
5	1N4148	D1, D2, D3, D4, D5

Switches

1	SPDT ON-ON	SW1
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General Building notes

To populate the PCB it's recommended to follow this order.

1. Resistors & diodes
2. IC Sockets (set up the proper IC at last)
3. Capacitors, starting with the smaller ones and the ceramic ones.
4. Electrolytic capacitors (always check the polarity)
5. Transistors
6. Wires
7. Potentiometers
8. Off board wiring

Schematic

