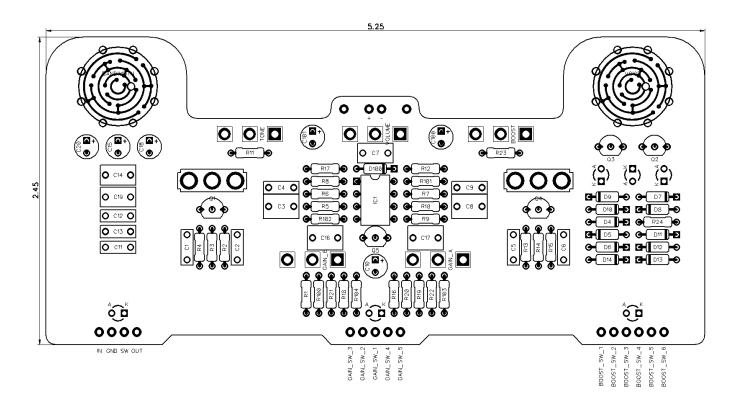


Revision 02.12.20



### Controls

- Volume
- Tone
- Gain A
- Gain B
- Boost
- Voice (Rotary Switch)
- Bandwidth (Rotary Switch)
- Bright (Toggle Switch)
- Buffer (Toggle Switch)

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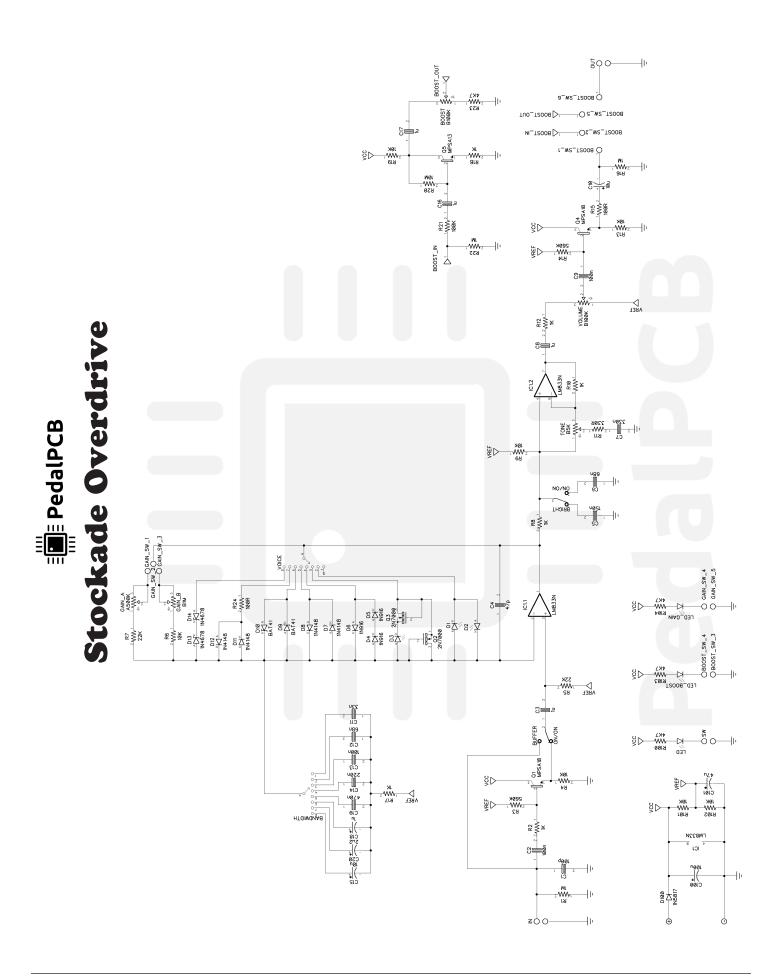


### Parts List

CAPAC C1 C2	100p				CIRCUITS
			IC1	LM833	BN
CZ	100n		101	21.1000	
			TRAN	TRANSISTORS	
				MPSA	
				2N700	0
C6					
C7	330n			MPSA	
C8	1u			MPSA	13
C9	100n		Č		
C10	10u		DIODI	DIODES	
C11	33n		D1	Red 3r	nm LED
C12	68n		D2	Red 3r	nm LED
C13	100n		D3	Red 3r	nm LED
C14	220n		D4	1N916	
C15	10u		D5	1N916	
C16	1u		D6	1N916	
C17	1u		D7	1N414	8
C18	1u		D8	1N414	
C19	470n		D9	BAT41	
C20	2u2		D10	BAT41	
C100	100u		D11	1N414	8
C101	47u		D12	1N414	8
			D13	1N467	
TOGGL	E SWIT		D14		
			D100	1N581	7
BUFFE	R	SPDT ON/ON			
	Y SWIT				Red 3mm LED
					Red 3mm LED
BANDW	/IDTH	Mini 1P8T	LED_C	AIN	Red 3mm LED
			BOOS TONE VOLU GAIN_	T ME A	TERS B100K B5K B100K A500K B1M
	C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C100 C101  TOGGL BRIGH' BUFFE  ROTAR VOICE	C3 1u C4 47p C5 150n C6 68n C7 330n C8 1u C9 100n C10 10u C11 33n C12 68n C13 100n C14 220n C15 10u C16 1u C17 1u C18 1u C19 470n C20 2u2 C100 100u C101 47u  TOGGLE SWIT BRIGHT BUFFER	C3 1u C4 47p C5 150n C6 68n C7 330n C8 1u C9 100n C10 10u C11 33n C12 68n C13 100n C14 220n C15 10u C16 1u C17 1u C18 1u C19 470n C20 2u2 C100 100u C101 47u  TOGGLE SWITCHES BRIGHT SPDT ON/ON BUFFER SPDT ON/ON ROTARY SWITCHES VOICE Mini 1P8T	C3 1u TRAN C4 47p Q1 C5 150n Q2 C6 68n Q3 C7 330n Q4 C8 1u Q5 C9 100n C10 10u DIODI C11 33n D1 C12 68n D2 C13 100n D3 C14 220n D4 C15 10u D5 C16 1u D6 C17 1u D7 C18 1u D8 C19 470n D9 C20 2u2 D10 C10 47u D12 TOGGLE SWITCHES D14 BRIGHT SPDT ON/ON D100 BUFFER SPDT ON/ON BUFFER SPDT ON/ON  LEDS ROTARY SWITCHES BANDWIDTH Mini 1P8T LED_G  POTE BOOS TONE	C3 1u TRANSISTORS C4 47p Q1 MPSA: C5 150n Q2 2N700 C6 68n Q3 2N700 C7 330n Q4 MPSA: C8 1u Q5 MPSA: C9 100n C10 10u DIODES C11 33n D1 Red 3r C12 68n D2 Red 3r C13 100n D3 Red 3r C14 220n D4 1N916 C15 10u D5 1N916 C16 1u D6 1N916 C17 1u D7 1N414 C18 1u D8 1N414 C19 470n D9 BAT41 C20 2u2 D10 BAT41 C100 100u D11 1N414 C101 47u D12 1N414 C101 47u D12 1N414 C101 47u D12 1N414 C101 WATA D13 N467 TOGGLE SWITCHES D14 1N467 BRIGHT SPDT ON/ON D100 1N581 BUFFER SPDT ON/ON BUFFER SPDT ON/

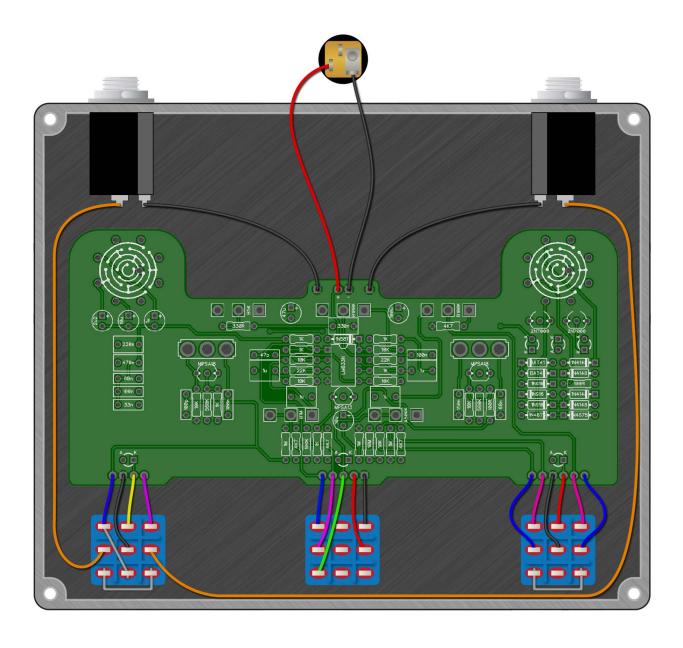
#### NOTES

Originally R16 was marked as 1M. Changing to 10K reduces popping when switching from Active / Bypass.



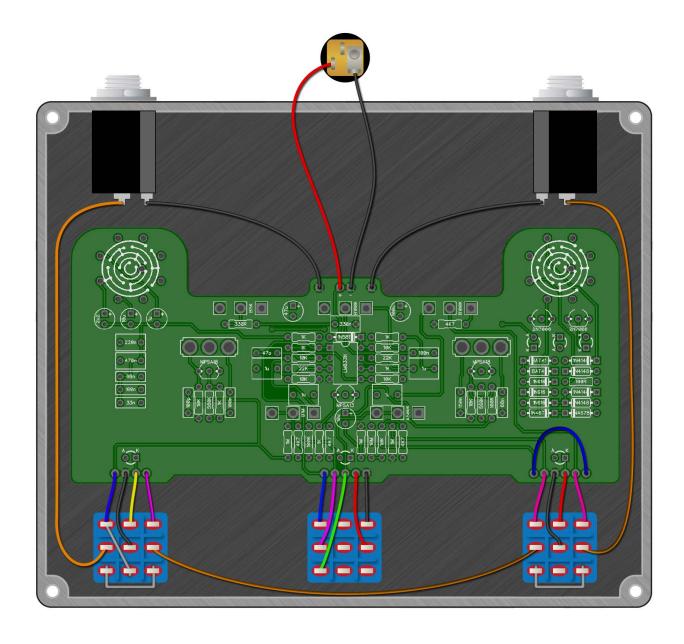


Wiring Diagram





Alternate Wiring Diagram (Independent Boost)





Drill Template 4S6500 / 1590XX Enclosure

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