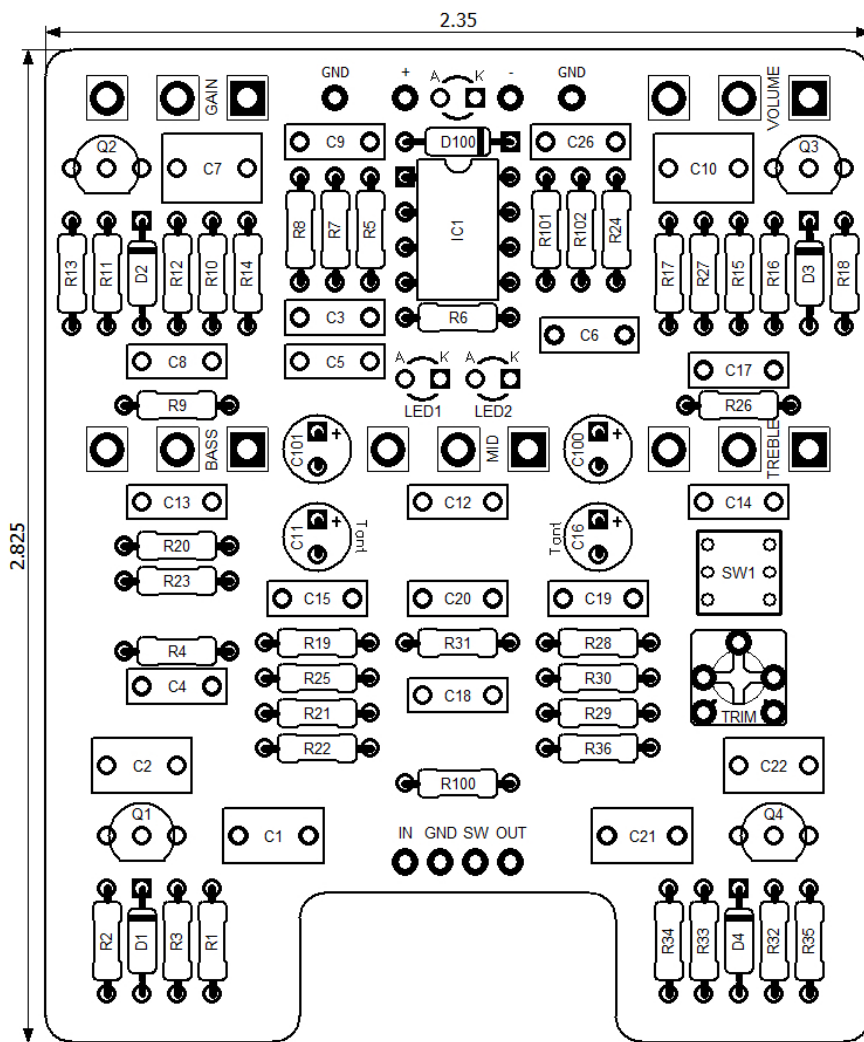


PedalPCB

Kickstart Distortion

Revised 1/7/22



CONTROLS AND FEATURES

- Volume
- Gain
- Treble
- Mid
- Bass
- Instrument/Line Level (Internal switch)

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LOCATION	VALUE	TYPE	NOTES
R1	3M3	Resistor, 1/4W	
R2	4M7	Resistor, 1/4W	
R3	2K7	Resistor, 1/4W	
R4	1K	Resistor, 1/4W	
R5	2K2	Resistor, 1/4W	
R6	470K	Resistor, 1/4W	
R7	470R	Resistor, 1/4W	
R8	10K	Resistor, 1/4W	
R9	470K	Resistor, 1/4W	
R10	1K	Resistor, 1/4W	
R11	1M	Resistor, 1/4W	
R12	1M	Resistor, 1/4W	
R13	4K7	Resistor, 1/4W	
R14	150R	Resistor, 1/4W	
R15	1M	Resistor, 1/4W	
R16	1M	Resistor, 1/4W	
R17	4K7	Resistor, 1/4W	
R18	330R	Resistor, 1/4W	
R19	2K2	Resistor, 1/4W	
R20	6K8	Resistor, 1/4W	
R21	3K3	Resistor, 1/4W	
R22	15K	Resistor, 1/4W	
R23	68K	Resistor, 1/4W	
R24	2K2	Resistor, 1/4W	
R25	6K8	Resistor, 1/4W	
R26	10K	Resistor, 1/4W	
R27	10K	Resistor, 1/4W	
R28	47K	Resistor, 1/4W	
R29	200K	Resistor, 1/4W	
R30	1M	Resistor, 1/4W	
R31	22K	Resistor, 1/4W	
R32	1M	Resistor, 1/4W	
R33	1M	Resistor, 1/4W	
R34	3K3	Resistor, 1/4W	
R35	1K	Resistor, 1/4W	
R36	1K	Resistor, 1/4W	
R100	4K7	Resistor, 1/4W	
R101	10K	Resistor, 1/4W	
R102	10K	Resistor, 1/4W	
C1	100n	Film capacitor, 7.2 x 2.5mm	
C2	470n	Film capacitor, 7.2 x 5.0mm	
C3	22n	Film capacitor, 7.2 x 2.5mm	
C4	100p	Film capacitor, 7.2 x 2.5mm	
C5	150n	Film capacitor, 7.2 x 2.5mm	
C6	100p	Film capacitor, 7.2 x 2.5mm	
		<i>Continued on next page...</i>	

LOCATION	VALUE	TYPE	NOTES
C7	470n	Film capacitor, 7.2 x 5.0mm	
C8	470p	Ceramic capacitor	
C9	100p	Ceramic capacitor	
C10	1u	Film capacitor, 7.2 x 5.0mm	
C11	2u2	Tantalum capacitor	
C12	10n	Film capacitor, 7.2 x 2.5mm	
C13	47n	Film capacitor, 7.2 x 2.5mm	
C14	2n2	Film capacitor, 7.2 x 2.5mm	
C15	10n	Film capacitor, 7.2 x 2.5mm	
C16	22u	Tantalum capacitor	
C17	4n7	Film capacitor, 7.2 x 2.5mm	
C18	470p	Ceramic capacitor	
C19	22n	Film capacitor, 7.2 x 2.5mm	
C20	22n	Film capacitor, 7.2 x 2.5mm	
C21	470n	Film capacitor, 7.2 x 5.0mm	
C22	470n	Film capacitor, 7.2 x 5.0mm	
C26	100n	Ceramic capacitor	
C100	100u	Electrolytic capacitor, 5mm	
C101	47u	Electrolytic capacitor, 5mm	
D1	9V1	Zener diode 1/2W, 9.1V	
D2	9V1	Zener diode 1/2W, 9.1V	
D3	9V1	Zener diode 1/2W, 9.1V	
D4	9V1	Zener diode 1/2W, 9.1V	
D100	1N5817	Schottky diode, DO-41	
LED1	3mm Red	3mm Red LED	
LED2	3mm Red	3mm Red LED	
Q1	BS170	N-Channel MOSFET	
Q2	BS170	N-Channel MOSFET	
Q3	BS170	N-Channel MOSFET	
Q4	BS170	N-Channel MOSFET	
IC1	TL072	Dual op-amp, DIP8	
VOLUME	B100K	16mm right-angle PCB mount pot	
GAIN	A500K	16mm right-angle PCB mount pot	
TREBLE	B50K	16mm right-angle PCB mount pot	
MID	B25K	16mm right-angle PCB mount pot	
BASS	B25K	16mm right-angle PCB mount pot	
TRIM	100K	Trimmer potentiometer, 3362P type	Line level adjustment
SW1		6mm x 6mm Push Button Switch	[Link]

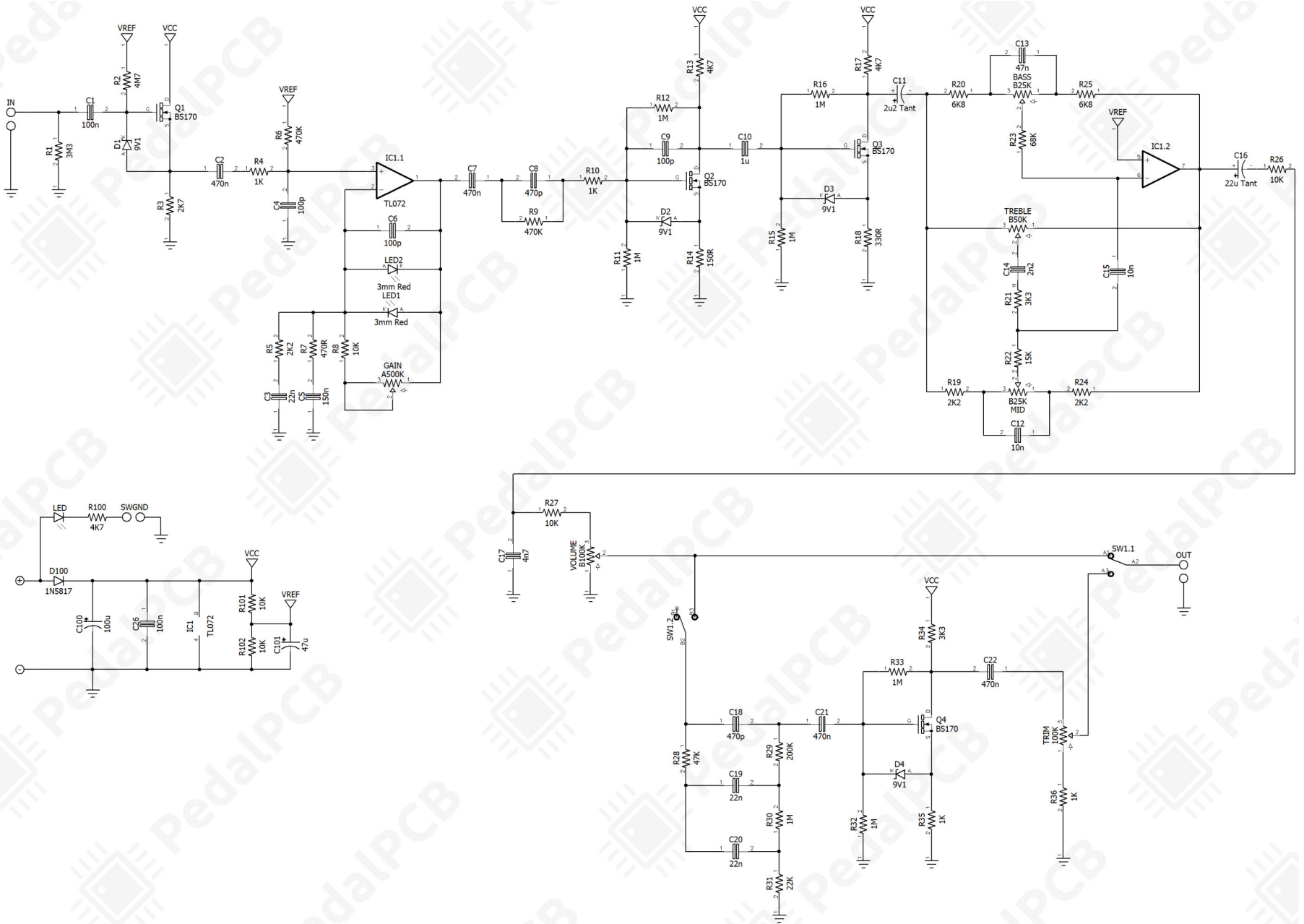

NOTE

SW1 Instrument/Line Level switch should be mounted internally on component side of PCB



Kickstart Distortion

Schematic Diagram





Wiring Diagram

Kickstart Distortion

Drill Template
125B Enclosure

