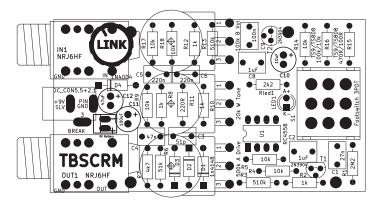


Let me introduce this Mini Project. It's basically a Guitar Effect Pedal. The main idea is to recreate a famous Ibanez Tubescreamer. You also have Options to make either TS9 or TS808. We have designed this Project in Business Card Format 85x55mm. In this Sheet you get Schematic, BOM and Overlay. In the Future we will add 3D Files for printing your own case with a 3D Printer. It also fits perfectly in a Hammond Aluminium Case. Have Fun!

## PCB layout for reference

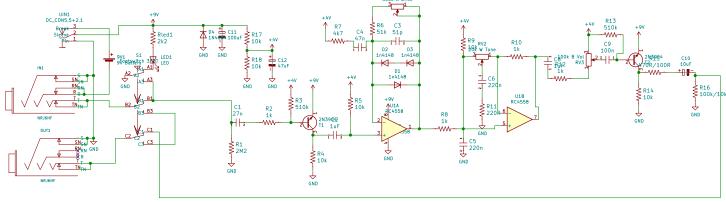




DISCLAIMER: Proceed at your own risk. I am not liable for any damage, harm or loss of any kind resulting from the assembly and/or use of this PCB set. Safety provisions should always be exercised whenever working with any electronics. The following instructions are guidelines only. I can make no guarantee of the accuracy of contents contained within this document.







Bill of Materials (BOM)

1	9V1	Battery Connection	1	9V Battery
2	C9	Wima 5mm	1	100n
3	C6,C5	Wima 5mm	2	220n
4	C3	Ceramic 5mm	1	51p
5	C4	Wima 5mm	1	47n
6	C1	Wima 5mm	1	27n
7	C8,C2	Wima 5mm	2	1uF
8	C12	Electrolytic	1	47uF
9	C10	Electrolytic	1	10uF
10	C11	Electrolytic	1	100uF
11	D3,D1,D2	Diode	3	1n4148
12	D4	Diode	1	1N4004
13	UIN1	DC9V2,1+5,5	1	DC_CON5,5+2,1
14	U1	DIP-8_W7.62mm	1	RC4558
15	S1	Fussschalter Print 3DPT	1	Footswitch 3PDT
16	LED1	LED 3mm	1	LED
17	RV3	16mm Potentiometer	1	100k B Vol
18	RV2	16mm Potentiometer	1	20k W Tone
19	RV1	16mm Potentiometer	1	500k A Drive
20	R12,R10,R8,R2	Resistor	4	1k
21	Rled1	Resistor	1	2k2
22	R16	Resistor	1	100k/10k
23	R15	Resistor	1	470R/100R
24	R14,R9,R5,R4,R18,R17	Resistor	6	10k
25	R13,R3	Resistor	2	510k
26	R11	Resistor	1	220R
27	R6	Resistor	1	51k
28	R7	Resistor	1	4k7
29	R1	Resistor	1	2M2
30	T2,T1	Transistor T092	2	2N3904
31	IN1,OUT1	Jack ¼	2	NRJ6HF