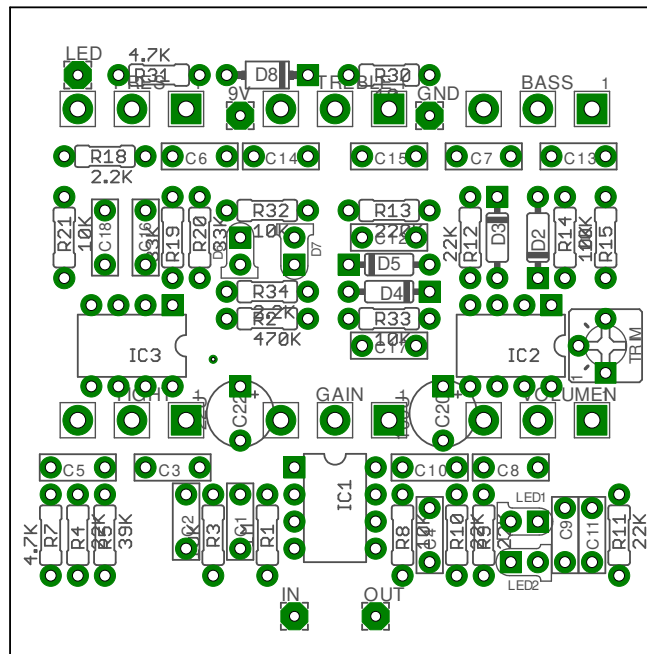


Friedman Amp Sim

Pre amp Emulator

Based on Friedman BE - OD

By PCB Mania



This Amplifier simulator puts the intense tone of their BE100 amplifier onto your pedalboard. This is a wide-ranging, British-flavored overdrive that can be pushed well into high gain territory.

- Ready to be wired as True Bypass.
- 1 Trim to regulate the internal gain.
- Tight design to fit in a 125B Enclosure.

BOM

Capacitors

C1	22N
C2	47P
C3	10N
C4	1N
C5	100N
C6	100N
C7	100N
C8	100N
C9	47p
C10	100N
C11	47N
C12	120P
C13	100P
C14	10N
C15	4.7N
C16	22N
C17	220N
C18	220N
C20	100U electro
C22	22U electro

IC

IC1	TL072
IC2	TL072
IC3	TL072

Pots

TIGHT	C100K
TREBLE	B100K
VOLUMEN	A50K
BASS	C100K
PRES	C10K
GAIN	B1M
TRIM	100K

Resistors

R1	1M
R2	470K
R3	10K
R4	22K
R5	39K
R7	4.7K
R8	10K
R9	22K
R10	22K
R11	22K
R12	22K
R13	220K
R14	10K
R15	10K
R18	2.2K
R19	33K
R20	33K
R21	10K
R30	10r
R31	4.7K
R32	10K
R33	10K
R34	2.2K

Diodes

D2	1n4148
D3	1n4148
D4	1n4148
D5	1n4148
D6	LED3mm
D7	LED3mm
D8	1n5817
LED1	3mm
LED2	3mm

Shopping list

Capacitors

5	100N	C5, C6, C7, C8, C10
1	100P	C13
1	100U electro	C20
2	220N	C17, C18
2	10N	C3, C14
1	120P	C12
2	22N	C1, C16
1	22U electro	C22
1	4.7N	C15
1	1N	C4
1	47N	C11
2	47P	C2, C9

IC

3	TL072	IC1, IC2, IC3
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Diodes

4	1n4148	D2, D3, D4, D5
1	1n5817	D8
4	LED3MM	D6, D7, LED1, LED2

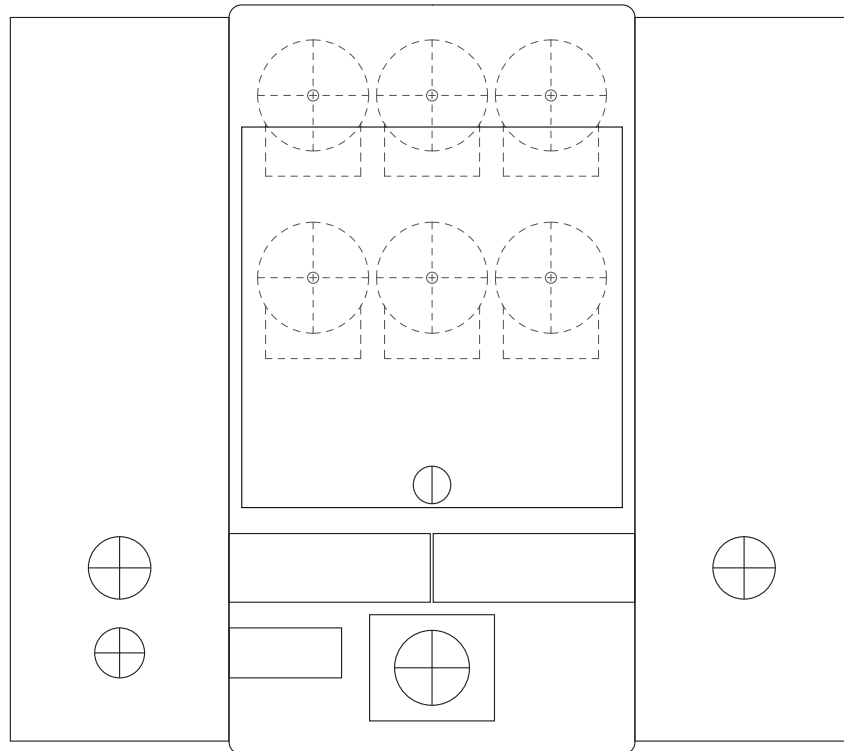
Resistors

2	33K	R19, R20
1	39K	R5
2	4.7K	R7, R31
1	470K	R2
1	1M	R1
5	22K	R4, R9, R10, R11, R12
2	2.2K	R18, R34
1	220K	R13
7	10K	R3, R8, R14, R15, R21, R32, R33
1	10r	R30

Pots

1	A50K	VOLUMEN
1	B100K	TREBLE
1	B1M	GAIN
2	C100K	BASS, TIGHT
1	C10K	PRES
1	100K	TRIM

Drilling template



125b enclosure type

Always make the proper measurements before drilling!

Schematic

