

# DOCUMENTATIE CORECTOR DE TON CU 3 BENZI

Schema corectorului de ton:

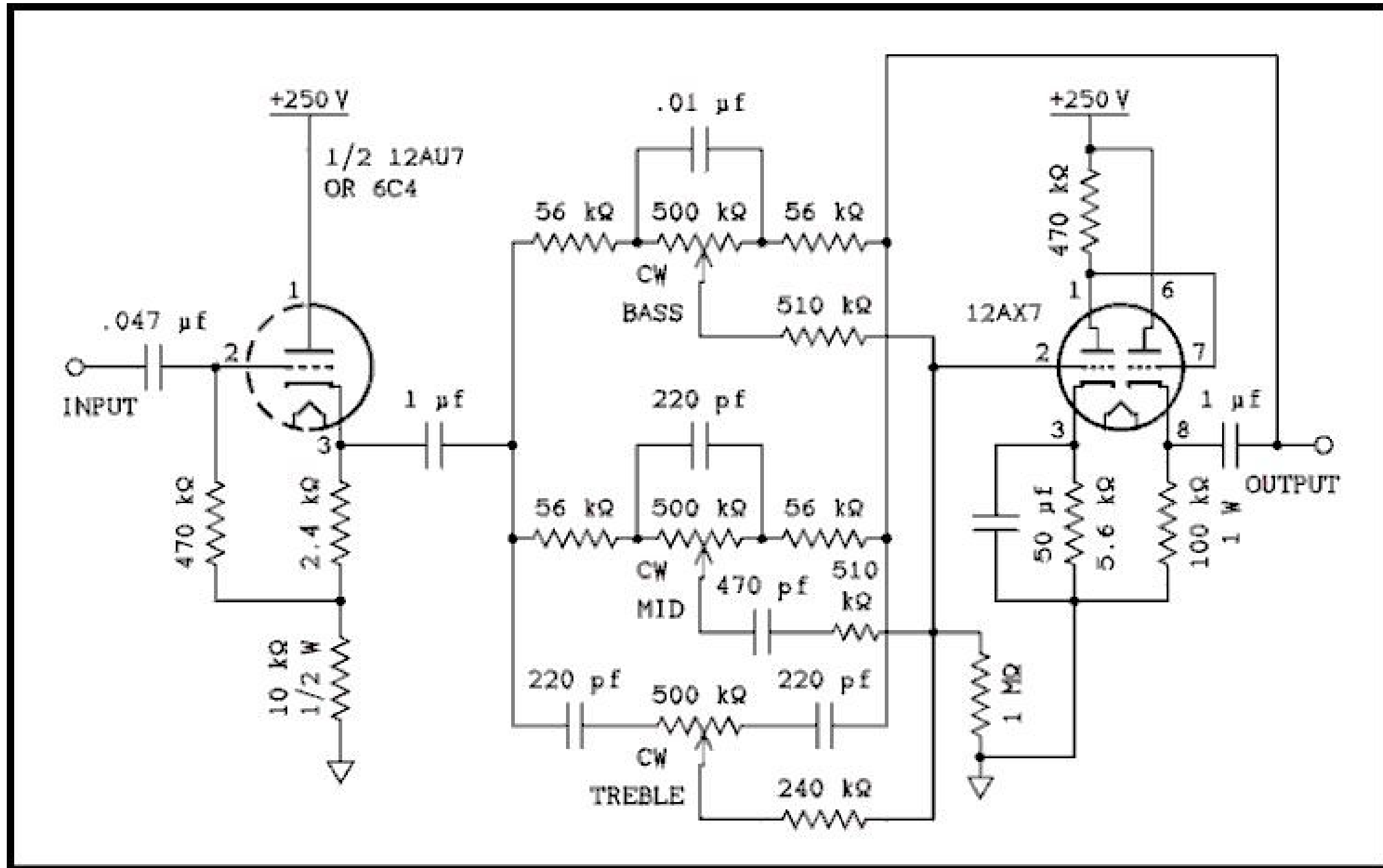
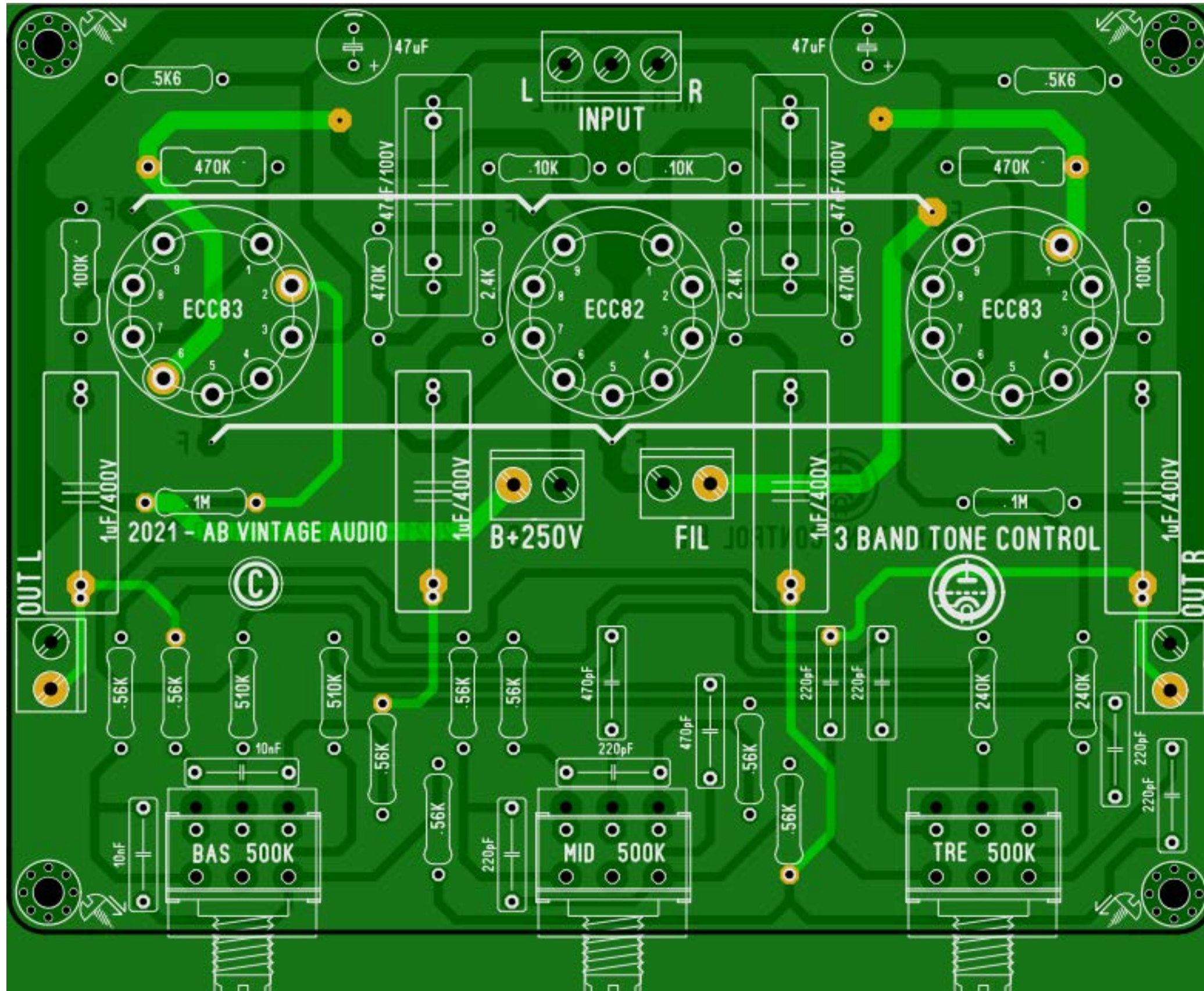


Figure 18 Practical 3 Band Tone Control.

For a verbal description [click here](#).

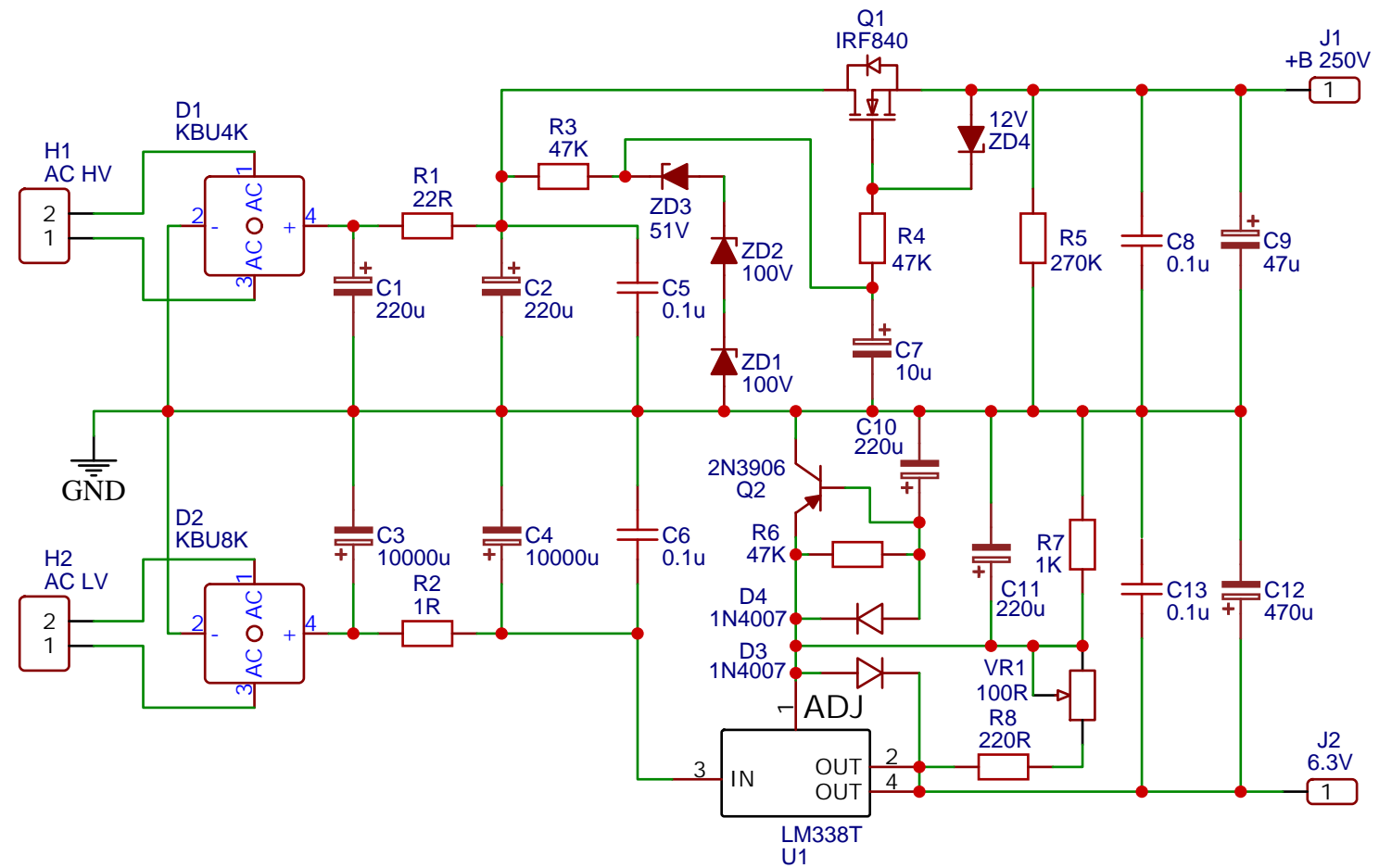
Schema cablajului imprimat de la corector:




## Lista componente corector de ton:

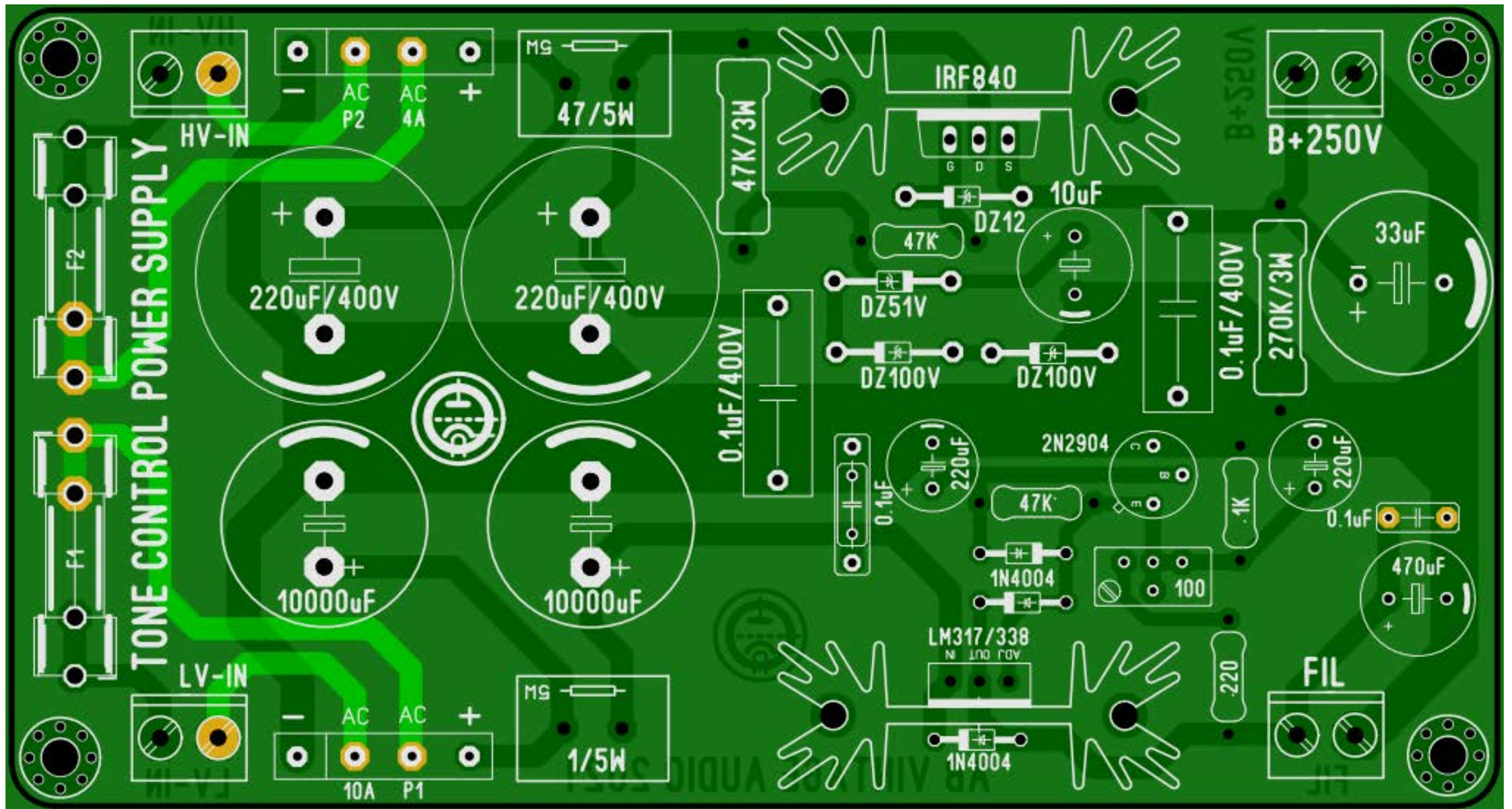
<b>ID</b>	<b>Name</b>	<b>Quantity</b>	<b>TME Part</b>	<b>Manufacturer</b>
1	500K Lin Pot	3	R16148-1B-3-B500KSR	SR Passives
2	Socluri novale	3	N/A	PCM055502
3	0.047uF/400V	2	MKP10-47N/400P15-R	Wima
4	1uF/400V	4	MKP4-1U/400P22.5	Wima
5	220pF	6	FKP2-220P/1000-R	Wima
6	470pF	2	FKP2-470P/100	Wima
7	10nF	2	MKP2-10N/250-R	Wima
8	47uF/50V	2	UVZ1E470MDD	Nichicon
9	470k/0.6W	2	MBB02070C4703FCT00	Vishay
10	2.4K/0.6W	2	MBB02070C2401FCT00	Vishay
11	56K/0.6W	8	MBB02070C5602FCT00	Vishay
12	510K/0.6W	4	MRS25000C5103FCT00	Vishay
13	240K/0.6W	2	MBB02070C2403FCT00	Vishay
14	1M/0.6W	2	MBB02070C1004FCT00	Vishay
15	5.6K/0.6W	2	MBB02070C5601FC100	Vishay
16	10K/1W	2	PMR1T-10K	Royal Ohm
17	470K/1W	2	1W-470K	Royal Ohm
18	100K/1W	2	1W-100K-1%	Royal Ohm
19	ECC83	2	N/A	Electro Harmonix
20	ECC82	1	N/A	Electro Harmonix
20	Conector IN	1	DG300-5.0-03P13	Degson
21	Conector B+	1	DG300-5.0-02P13	Degson
22	Conector Out	2	DG300-5.0-02P13	Degson
23	Conector Fil	1	DG300-5.0-02P13	Degson

# Schema sursei de alimentare a corectorului:



TITLE: TONE CONTROL POWER SUPPLY		REV: 1.0
	Company: AB Vintage Audio	Sheet: 1/1
	Date: 2021-06-04	Drawn By:

Schema cablajului sursei folosite pentru corectorul de ton:



## Lista componente sursa:

<b>ID</b>	<b>Name</b>	<b>Designator</b>	<b>Quantity</b>	<b>TME Part</b>	<b>Manufacturer</b>
1	220u/35V	C10,C11	2	RD1E227M0811MBB	SAMWHA
2	220u/400V	C1,C2	2	LGU2G221MELZ	Nichicon
3	10000u/25V	C3,C4	2	UVZ1E103MRD	Nichicon
4	0.1u/63V	C6,C13	2	MKP2-100N/100	Wima
5	0.1u/400V	C5,C8	2	MKP10-100N/400	Wima
6	10u/400V	C7	1	EEUED2G100	Panasonic
7	47u/400V	C9	1	UVZ2G470MHD	Nichicon
8	470u/25V	C12	1	SE025M0470-1012	Yageo
9	KBU4K	D1	1	KBU4K-E4/51	Vishay
10	KBU8K	D2	1	KBU8J	DC Components
11	1N4007	D3,D4	2	1N4007-13-DIO	DIOTEC
12	AC HV	H1	1	DG300-5.0-02P13	DEGSON
13	AC LV	H2	1	DG300-5.0-02P13	DEGSON
14	+B 250V	J1	1	DG300-5.0-02P13	DEGSON
15	6.3V	J2	1	DG300-5.0-02P13	DEGSON
16	IRF840	Q1	1	IRF840ALPBF	Vishay
17	2N2904	Q2	1	NTE129	NTE Electronics
18	22R	R1	1	AX5WV-22R	Royal Ohm
19	1R	R2	1	AX5WV-1R	Royal Ohm
20	47k/3W	R3	1	3W-47K	Royal Ohm
21	47K	R4,R6	2	MBB02070C4702FCT00	Vishay
22	1K	R7	1	MBB02070C1001FCT00	Vishay
23	270K	R5	1	3W-220K	Royal Ohm
24	220R	R8	1	MBB02070C2200FCT00	Vishay
25	LM338T	U1	1	NTE7239	NTE Electronics
26	100R	VR1	1	3296W-1-101LF	Bourns
27	100V	ZD1,ZD2	2	3EZ100-DC	DC Components
28	51V	ZD3	1	3EZ51-DC	DC Components
29	12V	ZD4	1	3EZ12-DC	DC Components
30	Radiator	N/A	2	SK104-51STS	Fischer

## Cateva precizari, punerea in functie si reglaje

Dupa ce ati montat toate componentele necesare, atat pe placa de la corector cat si pe cea de la sursa, verificati functionalitatea sursei: conectati o sarcina pe bara de 6.3V si reglati din semireglabilul de 100ohmi in asa fel incat la iesire sa aveti tensiunea de 6.3V; pe bara de 250V nu exista reglaje, tensiunea fiind dictata de cele 3 diode zenner.

De la sursa la corector aveti nevoie de 4 fire, doua pentru tensiunea anodica si doua pentru filament (pinii filamentelor nu sunt cuplati la masa pe placa corectorului; pentru varianta cu 3 fire, se pot lega pinii (9) filamentelor lampilor la masa iar in acest caz veniti doar cu un fir de masa de la sursa.

Listele de componente sunt doar cu titlu de prezentare, se pot folosi alte echivalente, inclusiv la potentiometrele de 500K; tuburile se pot achizitiona de la magazinele din tara, la fel si soclurile (un ex este magazinul online Audio-Alchemy). Ulterior procedurii de punere in functie si reglaje, daca dispuneti de un osciloscop si de un generator de semnal, puteti conecta generatorul la intrarea corectorului, cu sondele osciloscopului conectate la iesire si puteti verifica eficacitatea reglajelor la diferite frecvente.