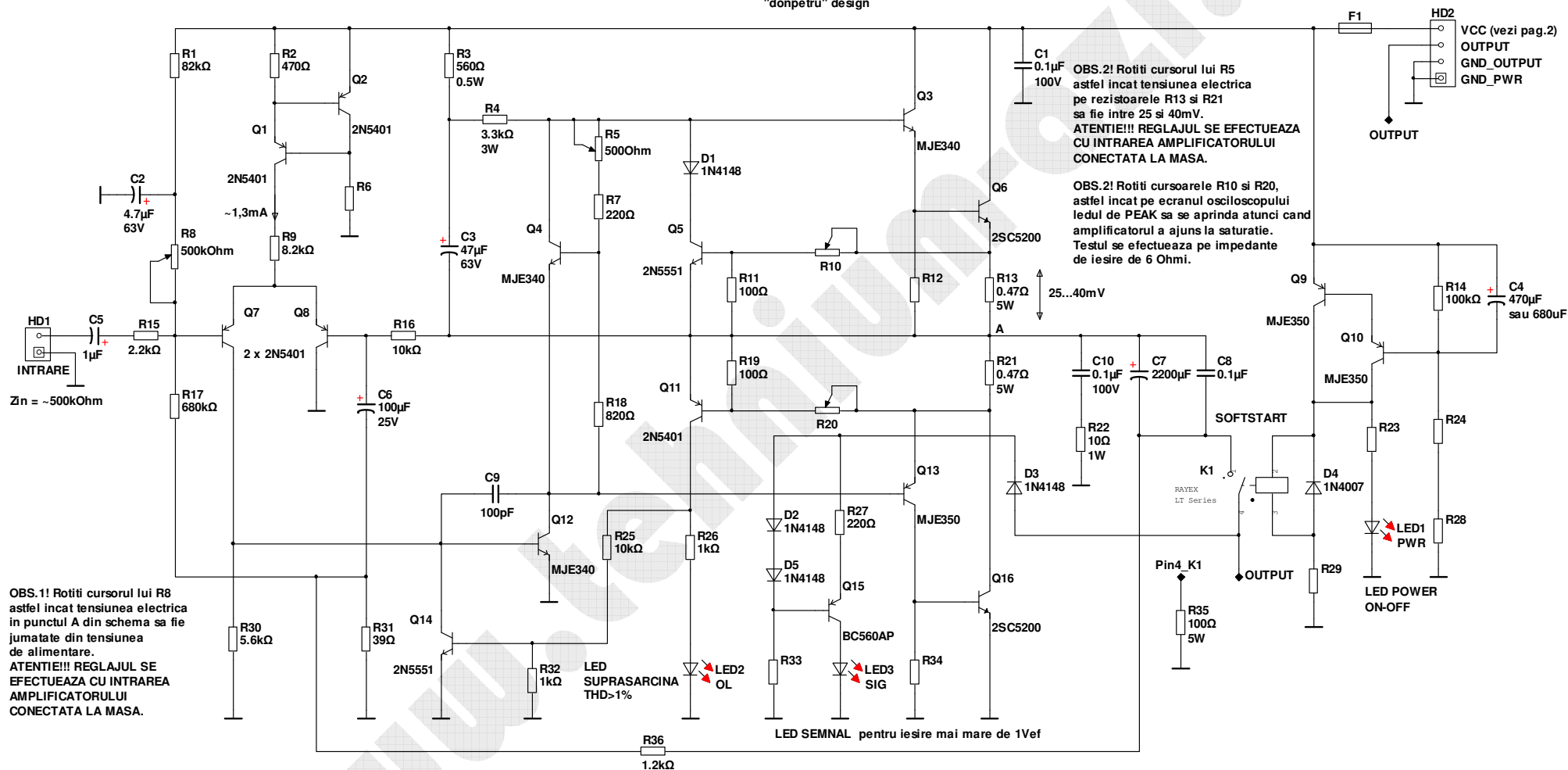


DP0108 HI-FI AMP PROJECT

www.tehnum-azi.ro

"donpetru" design

rev.2 - 03.05.2013



Valori componente electronice
si caracteristici proiect DP0108 rev.2

PROIECT
DP0108 rev.2
"donpetru" design

Nr. crt	RefDes & Caracteristici	Cantitate	VCC (tensiunea de alimentare)				Obs!
			24Vdc	35Vdc	48Vdc	65Vdc	
1	Power Output [W] / 4 Ohm	-	18W / 24W	22,5W / 30W	45W / 55W	75W / 100W	
2	THD [%] / 4 Ohm	-	0,1% / clip 1%	0,1% / clip 1%	0,1% / clip 1%	0,1% / clip 1%	
3	V_intput	-	0,2Vrms	0,3Vrms	0,45Vrms	0,6Vrms	
4	Q6, Q16	2	2SC5200 or MJL3281				
5	Q3, Q4, Q12	3	MJE340				
6	Q9, Q10, Q13	3	MJE350				
7	Q5, Q14	2	2N5551				
8	Q1, Q2, Q7, Q8, Q11	5	2N5401				
9	R1	1	82kΩ				
10	R2	1	470Ω				
11	R3	1	220Ω - 0.5W	330Ω - 0.5W	560Ω - 0.5W	750Ω - 0.5W	
12	R4	1	1.5kΩ - 2W	2.2kΩ - 2W	3.3kΩ - 3W	5.1kΩ - 3W	
13	R6	1	22kΩ	22kΩ	27kΩ	33kΩ	
14	R7	1	220Ω				
15	R9	1	8.2kΩ				
16	R11, R19	2	100Ω				
17	R12, R34	2	33Ω - 0.5W	39Ω - 0.5W	47Ω - 0.5W	68Ω - 0.5W	
18	R13, R21	2	0.47Ω - 5W				
19	R14	1	100kΩ				
21	R15	1	2.2kΩ				
22	R16	1	10kΩ				
20	R17	1	680kΩ				
23	R18	1	820Ω				
24	R22	1	10Ω - 1W		10Ω - 2W		
26	R23	1	10kΩ	15kΩ	20kΩ - 0.5W	27kΩ - 0.5W	
25	R24, R28	2	100kΩ	150kΩ	220kΩ	330kΩ	
27	R25	1	4.7kΩ	10kΩ	10kΩ	15kΩ	
28	R26, R32	2	1kΩ				
29	R27	1	220Ω				
30	R29	1	strap	680Ω - 1W	strap	1.8kΩ - 1W	
31	R30	1	5.6kΩ				
32	R31	1	39Ω				
33	R33	1	22kΩ	47kΩ	47kΩ	47kΩ	
34	R35	1	39Ω - 5W	47Ω - 5W	75Ω - 5W	100Ω - 5W	
35	R36	1	1.2kΩ				
36	R5 - semireglabil	1	500Ω				
37	R8 - semireglabil	1	500kΩ				
38	R10, R20 - semireglabili	4	200Ω				
39	C1	1	0.1μF - 50V	0.1μF - 63V	0.1μF - 100V	0.1μF - 100V	capacitor poliester
40	C2	1	4.7μF - 63V	4.7μF - 63V	4.7μF - 100V	4.7μF - 100V	capacitor electrolitic
41	C3	1	47μF - 63V				capacitor electrolitic
42	C4	1	470μF sau 680μF - 16V				capacitor electrolitic
43	C5	1	1μF - 63V				capacitor electrolitic
44	C6	1	100μF - 50V				capacitor electrolitic
45	C7	1	2200μF - 25V	2200μF - 35V	2200μF - 50V	2200μF - 63V	capacitor electrolitic
46	C8	1	0.1μF - 250V				vezi pagina web
47	C9	1	100pF				vezi pagina web
48	C10	1	0.1μF - 100V sau 250V				vezi pagina web
49	D1, D2, D3, D5	4	1N4148				
50	D4	1	1N4007				
51	LED1, LED2, LED3	3	LED 3mm				
52	HD1	1	Conector CE100 2P vertical				
53	HD2	1	Regletă de conexiuni; 5,08mm; THT, însurubare; piste:4; 10A				
54	F1	1	2A	3A	4A	5A	siguranta rapida
55	K1	1	RAYEX Seria LT 24Vdc 10A		RAYEX Seria LT 48Vdc 10A		

Obs! Rezistentele care nu au puterea specificata se pot alege de 0,6W; ±1%; Ø2,5x6,8mm.



DIMENSIONI PCB: 127 x 88 mm

