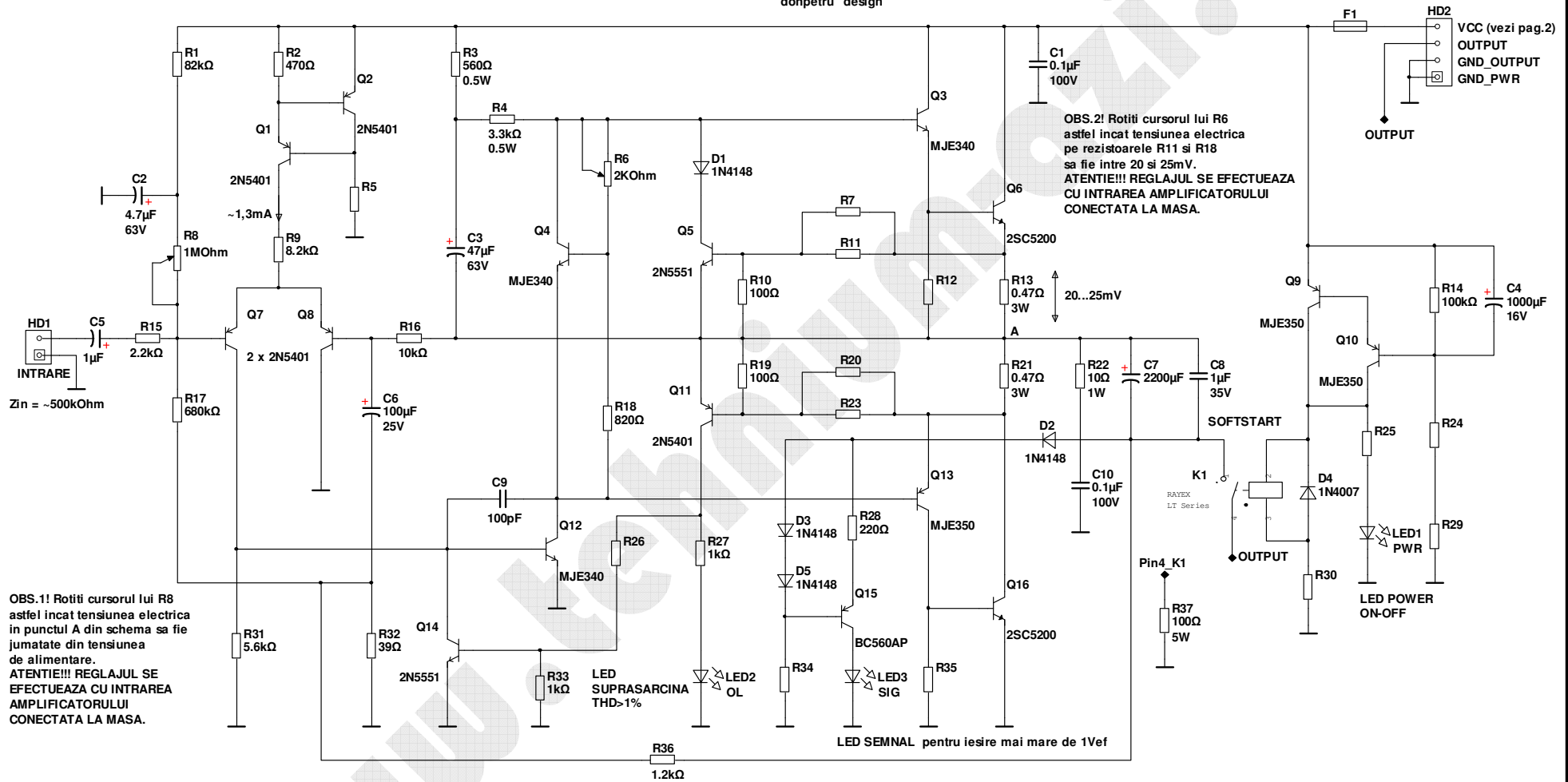


# DP0108 HI-FI AMP PROJECT

rev.1 - 23.04.2013  
www.tehnum-azi.ro  
"donpetru" design



**Valori componente electronice  
si caracteristici proiect DP0108**

Nr. crt	RefDes & Caracteristici	Cantitate	VCC (tensiunea de alimentare)				Obs!
			24Vdc	35Vdc	48Vdc	65Vdc	
1	Power Output [W] / 4 Ohm	-	15W / 20W	20W / 25W	40W / 50W	70W / 90W	
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, Q15	6	2N5401				
9	R1	1	82kΩ				
10	R2	1	470Ω				
11	R3	1	220Ω - 0.25W	330Ω - 0.25W	560Ω - 0.5W	750Ω - 1W	
12	R4	1	1.5kΩ - 0.25W	2.2kΩ - 0.5W	3.3kΩ - 0.5W	5.1kΩ - 1W	
13	R5	1	22kΩ	22kΩ	27kΩ	33kΩ	
14	R7, R11, R20, R23	4	220Ω	330Ω	510Ω	750Ω	
15	R9	1	8.2kΩ				
16	R10, R19	2	100Ω				
17	R12, R35	2	33Ω	39Ω	47Ω	68Ω	
18	R13, R21	2	0.47Ω - 3W				
19	R14	1	100kΩ				
20	R17	1	680kΩ				
21	R15	1	2.2kΩ				
22	R16	1	10kΩ				
23	R18	1	820Ω				
24	R22	1	10Ω - 1W		10Ω - 2W		
25	R24, R29	2	100kΩ	150kΩ	220kΩ	330kΩ	
26	R25	1	10kΩ	15kΩ	20kΩ - 0.5W	27kΩ - 1W	
27	R26	1	4.7kΩ	10kΩ	10kΩ	15kΩ	
28	R27, R33	2	1kΩ				
29	R28	1	220Ω				
30	R30	1	strap	680Ω - 1W	strap	1.8kΩ - 1W	
31	R31	1	5.6kΩ				
32	R32	1	39Ω				
33	R34	1	22kΩ	47kΩ	47kΩ	47kΩ	
34	R36	1	1.2kΩ				
35	R6 - semireglabil	1	2kΩ				
36	R8 - semireglabil	1	1MΩ				
37	C1	1	0.1μF - 50V	0.1μF - 63V	0.1μF - 100V	0.1μF - 100V	capacitor poliester
38	C2	1	4.7μF - 63V	4.7μF - 63V	4.7μF - 100V	4.7μF - 100V	capacitor electrolitic
39	C3	1	47μF - 63V				capacitor electrolitic
40	C4	1	1000μF - 16V				capacitor electrolitic
41	C5	1	1μF - 63V				capacitor electrolitic
42	C6	1	100μF - 50V				capacitor electrolitic
43	C7	1	2200μF - 25V	2200μF - 35V	2200μF - 50V	2200μF - 63V	capacitor electrolitic
44	C8	1	1μF - 50V		1μF - 100V		<a href="#">vezi pagina web</a>
45	C9	1	100pF				<a href="#">vezi pagina web</a>
46	C10	1	0.1μF - 100V				<a href="#">vezi pagina web</a>
47	D1, D2, D3, D5	4	1N4148				
48	D4	1	1N4007				
49	LED1, LED2, LED3	3	LED 3mm				
50	HD1	1	<a href="#">Conector CE100 2P vertical</a>				
51	HD2	1	<a href="#">Bloc terminal 4P, pas 3.81mm, conductor 1.5mmp</a>				
52	F1	1	2A	3A	4A	5A	siguranta rapida
53	K1	1	<a href="#">RAYEX Seria LT 24Vdc 10A</a>		<a href="#">RAYEX Seria LT 48Vdc 10A</a>		

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



