

GROUP BUY N°1, 2, 3 & 4 (December 2018)

Thank you for buying more than 500 PCB's, I hope you will enjoy building and listening these EL34 and EL84 Baby Huey amplifier. For your convenience, I add again the last BOM including new EL84 version, these values are only suggestions, I am using 6CA7 output tubes, Hammond transformers and 385 V DC high voltage, you may adapt it depending of your configuration... Please use the forum to discuss various options for both versions:

<https://www.diyaudio.com/forums/tubes-valves/326920-el34-baby-huey-amplifier.html>

Cheers,

Marc

Components List Amplifier EL34, 6CA7 & EL84

(December 23, 2018)

Reference	Value	Manufacturer code	Suppliers
R1	12k, 0.6W	Vishay MBB02070C1202FC100	Mouser
R2	470, 0.6W	Vishay MBB02070C4700FC100	Mouser
R3, R4	1k, 0.6W	Vishay MBB02070C1001FC100	Mouser
R5	500, trimmer	Bourns 3386P-DF6-501LF	Mouser
R6	47k, 0.6W for Prasi GB	Vishay MBB02070C4702FC100	
R7, R8, R32, R37	220k, 0.6W	Vishay MBB02070C2203FC100	Mouser
R9, R10	47k, 2W	Vishay CPF2-47K	Mouser
R11, R12	4,7k, 0.6W	Vishay MBB02070C4701FC100	Mouser
R13 for EL34 BH	39k, 2W	Vishay CPF2-39K	Mouser
R13 for EL84 BH	18k to 27k	Vishay CPF2-xxK	
R14, R15, R28, R40	270, 2W	Vishay CPF2-270	Mouser
R16	15k, 0.6W	Vishay MBB02070C1502FC100	Mouser
R17	10k, 0.6W	Vishay MBB02070C1002FC100	Mouser
R18	680, 0.6W	Vishay MBB02070C6800FC100	Mouser
R20, R21	1M, 0.6W	Vishay MBB02070C1004FC100	Mouser
R22	20k pot for Marc GB	Panasonic EVU-E2AF25B24	Mouser
R27* see note	10, 4W	TE connectivity SBCHE410RJ	Mouser
R31, R36	100, 0.6W	Vishay MBB02070C1000FC100	Mouser
R33, R38	390, 0.5W	Vishay MBB02070C3900FC100	Mouser
R34, R35	220, 0.6W	Vishay MBB02070C2200FC100	Mouser
R39 for EL34 BH	15k, 0.6W	Vishay MBB02070C1502FC100	Mouser
R39 for EL84 BH	33k, 0.6W	Vishay MBB02070C3302FC100	Mouser
R41, R42	50k, trimmer	Vishay T93YB503KT20	Mouser
R43, R44	10 Ω , 1%, 2W	Vishay CPF2-10	Mouser
C1, C2	100nF, 400V	Vishay MKT1813410405	Mouser

C3	22pF	Vishay K220J10C0GF5UH%	Mouser
C5	100nF, 400V 47nF, 630V	Vishay MKT1813410405 Vishay MKT1813347635	Mouser
C6	220uF, 400V 120uF, 500V	Nichicon LGL2G221MELA25 Nichicon LGN2H121MELA35	Mouse
C7	100uF, 400V 47uF, 500V	Nichicon UPZ2G101MHD Nichicon UCY2H470MHD	Mouser
C10, C11	330uF, 100V	Nichicon UFW2A331MHD	Mouser
C12	1uF, 100V	EPCOS B32522C1105K189	Mouser
CX1	10 nF or 100 nF, 1000V	Murata RDER72J104K4M1H03A	Mouser
Q1, Q2, Q7, Q8, Q9, Q10	2N5551	Fairchild 2N5551 (Vce = 160 V minimum !)	Mouser
Q5, Q6	STU9HN65M2	STMicro STU9HN65M2	Mouser
D1, D2, D3, D4, D5, D8	UF4007	Fairchild UF4007	Mouser
D6, D7	1N4742A Zener 12 V	Fairchild 1N4742A	Mouser
LED1	standard red LED	Broadcom HLMP-1700	Mouser
X1	5 contact 5.08 mm	FCI 20020316-H05	Mouser
X2, X3, X4, X5, X6	2 contact 5.08 mm	FCI 20020316-H02	Mouser
V1	ECC83S, 12AX7	JJ, EH, Sovtek...	
V2, V3 for EL34 BH	EL34, 6AC7, 6V6, KT88...	JJ, EH, Tungsol...	
V2, V3 for EL84 BH	EL84, 6BQ6	JJ, EH, Tungsol...	
1 9-pin sockets	For EL34 BH	SKU17658	
3 9-pin sockets	For EL84 BH	SKU17658	
2 octal sockets	For EL34 BH	SKU17652	

R27 can be replaced by an external Choke!

WARNING: In orange this is what you need if you are using more than 400 V!