

GROUP BUY Baby Huey MK2 (September 2019)

Thank you for buying more than 500 PCB's of the first version and to be still interested in this new improved version, I hope you will enjoy building and listening this new Baby Huey MK2 amplifier. Please use the forum to discuss various options for all versions:

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

Cheers,

Marc

Components List Amplifier Baby Huey MK2

(Revised September 2019)

Reference	Value	Manufacturer code	Suppliers
R1*	12k, 0.6W	Vishay MBB02070C1202FC100	Mouser
R2*	470 Ω , 0,6W	Vishay MBB02070C4700FC100	Mouser
R3, R4	1k, 0.6W	Vishay MBB02070C1001FC100	Mouser
R5	500 Ω , trimmer	Bourns 3386P-DF6-501LF	Mouser
R6, R16	47k, 0.6W	Vishay MBB02070C4702FC100	Mouser
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	39k, 2W	Vishay CPF2-39K	Mouser
R14, R15, R28, R40	270 Ω , 2W	Vishay CPF2-270	Mouser
R17	10k, 0,6W	Vishay MBB02070C1002FC100	Mouser
R18	680 Ω , 0,6W	Vishay MBB02070C6800FC100	Mouser
R20, R21	1M, 0.6W	Vishay MBB02070C1004FC100	Mouser
R27	10 Ω , 4 or 5W	TE connectivity SBCHE410RJ	Mouser
R31, R36	100 Ω , 0,6W	Vishay MBB02070C1000FCT00	Mouser
R33, R38	390 Ω , 0,5W	Vishay MBB02070C3900FC100	Mouser
R34, R35	220 Ω , 0,6W	Vishay MBB02070C2200FC100	Mouser
R39	15k, 0,6W	Vishay MBB02070C1502FC100	Mouser
R41, R42	50k, trimmer	Vishay T93YB503KT20	Mouser
R43, R44	10 Ω , 1%, 2W	Vishay CPF2-10	Mouser
C1, C2	100nF, 630V	Vishay MKT1813410635	Mouser
C3	22pF	Vishay K220J10C0GF5UH%	Mouser
C5	47nF, 630V	Vishay MKT1813347635	Mouser
C6, C7	120uF, 500V	Nichicon LGN2H121MELA35	Mouse
C10	100uF, 160V	KEMET ESH107M160AL4AA	Mouser
C11	330uF, 63V	Würth Elec. 860020778020	Mouser
C12	1uF, 100V	EPCOS B32522C1105K189	Mouser

CX1	10 nF, 1000V	Murata RDER72J104K4M1H03A	Mouser
Q1, Q2, Q7, Q8, Q9, Q10	2N5551	Fairchild 2N5551 (V_{ce} = 160 V minimum !)	Mouser
Q5, Q6	STU9HN65M2	STM 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	3 pins 2.54 mm	MOLEX 22-23-2031	Mouser
X2, X3	2 pins 2.54 mm	MOLEX 22-23-2021	Mouser
X5, X6	2 pins 3.96 mm	MOLEX 26-60-4023	Mouser
X7	5 pins 5.08 mm	Phoenix ContactFFKDSA1/H1- 5.08- 5	Mouser
V1	ECC83S, 12AX7	JJ, EH, Sovtek...	
V2, V3	EL34, 6AC7, 6550, KT88	JJ, EH, Tungsol...	
1 x 9-pin noval socket	For V1	SKU17658	
2 x 8-pin octal socket	For V2 & V3	SKU17652	

Recommended output transformer (on my Baby Huey I have used Hammond 1650N because I had them in stock but many builders reported very good result with TOROIDY transformer and they are really cheaper than PLITRON) I will use the CFB version in SUPREME version pictured below for the future Quad KT120:

TOROIDY TTG-KT88PP <https://www.tme.eu/fr/details/ttg-kt88pp/transformateurs-toroidaux/toroidy/>



Or the very nice SUPREME version for top mounting : https://sklep.toroidy.pl/en_US/p/TTG-KT88PP-Tube-output-transformer-4kOhm-2xKT88-2x300B-Push-pull-or-similar/563



I will make a separate BOM for the Power Supply MK2...