

## MACAQUE Amplifier List of Components

No.	Description	References	Value	Quantity Per PCB
1	Unpolarized capacitor	C9	100nf 63v	1
2	Unpolarized capacitor	C6	100pf 50v	1
3	Unpolarized capacitor	C3	220pf 50v	1
4	Polarized capacitor	C8 C10	220uf 50v	2
5	Polarized capacitor	C4	220uf 25v	1
6	Polarized capacitor	C1 C2	22uf 63v	2
7	Polarized capacitor	C5	47uf 63v	1
8	1A General Purpose Diode, DO-41	D3 D4	1N4007	2
9	100V switching diode, DO-35	D1 D2	1N4148	2
10	Fuse Holder 5x20 mm	F1 F2	Fuse 3A	2
11	Positive Supply Connector	J4	+VE Supply	1
12	Negative Supply Connector	J6	-VE Supply	1
13	Ground Connector	J3 J5	GND	2
14	Speaker Connector	J2	SPK	1
15	Screw terminal, 01x 02	J1	Signal IN	1
16	Wire Jumper	JP1 JP2	J1 J2	1
17	Inductor Coil	L1	1000nH	1
18	Small Signal PNP Transistor, TO-92	Q1 Q2 Q5	2N5401	3
19	Small Signal NPN Transistor, TO-92	Q3 Q4 Q6	2N5551	3
20	PNP Power transistor	Q13	2SA1943	1
21	NPN Power transistor	Q12	2SC5200	1
22	NPN Driver transistor, TO-220	Q11	C2073 / TIP41C	1
23	PNP Driver transistor, TO-220	Q10	A940 / TIP42C	1
24	NPN VAS Transistor, TO-126	Q8 Q9	BD139	2
25	PNP VAS Transistor, TO-126	Q7	BD140	1
26	Resistor 5watt	R22 R23	0E22	2
27	Resistor 1/4watt	R15 R19 R24	100R	3
28	Resistor 1/4watt	R8 R9	10K	2
29	Resistor 1watt Fusible	R28	10R	1
30	Resistor 1/4watt	R3	150R	1
31	Resistor 1/4watt	R16	15R	1
32	Resistor 1/4watt	R1 R10 R12 R13	1K	4
33	Resistor 1/4watt	R14	220R	1
34	Resistor 1/4watt	R2 R11	22K	2
35	Resistor 1/4watt	R4 R6	22R	2
36	Resistor 1/4watt	R17 R18 R20 R21	2R2	4
37	Resistor 1/4watt	R5 R7	68R	2
38	Potentiometer / Preset	RV1	500R	1

- Working Voltage of all capacitors should be greater than Power Supply.
- Never Power up the Amplifier without Heatsink.

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