

PANGOLIN Quasi Complementary Amplifier Bill of Materials

Sr.No.	Description	References	Value	Quantity Per PCB
1	Unpolarized capacitor	C9	104J 100v	1
2	Unpolarized capacitor	C6	100pf 100v	1
3	Polarized capacitor	C7 C8	220uf 63v	2
4	Unpolarized capacitor	C1	220pf 100v	1
5	Polarized capacitor	C4	220uf 16v	1
6	Polarized capacitor	C2 C3	22uf 63v	2
7	Polarized capacitor	C5	47uf 63v	1
8	1N4007	D3 D4	1N4007	2
9	1N4148	D1 D2 D5	1N4148	3
10	Screw terminal, 01x02	J4	Positive Supply	1
11	Screw terminal, 01x02	J3	Negative supply	1
12	Screw terminal, 01x02	J1	Signal Input	1
13	Screw terminal, 01x02	J2	Speaker Out	1
14	Wire Jumper	JP1 JP2	Jumper	2
15	2SC5200 / 2N3055	Q12 Q13	2SC5200 / 2N3055	2
16	BC546 / BC547	Q3 Q4 Q6	BC546 / BC547	3
17	BC556 / BC557	Q1 Q2 Q5	BC556 / BC557	3
18	BD139	Q8 Q9 Q10	BD139	3
19	BD140	Q7 Q11	BD140	2
20	Resistor 5 Watt	R22 R23	0E22 / 0E33	2
21	Resistor 1/4 Watt	R15	100R	1
22	Resistor 1/4 Watt	R8 R9	10K	2
23	Resistor 1 Watt	R24	10R	1
24	Resistor 1/4 Watt	R3	150R	1
25	Resistor 1/4 Watt	R16	15R	1
26	Resistor 1/4 Watt	R19 R20 R21	180R	3
27	Resistor 1/4 Watt	R1 R10 R13 R14	1K	4
28	Resistor 1/4 Watt	R12	220R	1
29	Resistor 1/4 Watt	R2 R11	22K	2
30	Resistor 1/4 Watt	R4 R6	22R	2
31	Resistor 1/4 Watt	R5 R7	68R	2
32	Potentiometer / PRESET	RV1	500R	1

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

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