

No.	Description	References	Value	Quantity Per PCB
1	Unpolarized capacitor	C7	100nf 63v	1
2	Unpolarized capacitor	C5	10nf 63v	1
3	Unpolarized capacitor	C4	10pf 63v	1
4	Unpolarized capacitor	C2	220pf 63v	1
5	Unpolarized capacitor	C6	47pf 63v	1
6	Polarized capacitor	C8 C9	220uf 50v	2
7	Polarized capacitor	C1	10uf 63v	1
8	Polarized capacitor	C3	220uf 25v	1
9	1N4148 diode	D1	1N4148	1
10	Positive Supply	J2	+VE Supply	1
11	Negative Supply	J6	-VE Supply	1
12	Ground	J4 J5	GND	2
13	Screw terminal, 01x02	J1	Signal IN	1
14	Speaker out	J3	Speaker	1
15	Inductor Coil	L1	1000nH	1
16	BC546	Q3	BC547	1
17	BC556	Q1 Q2	BC557	2
18	BD139	Q5	BD139	1
19	BD140	Q4	BD140	1
20	IRFP240 / IRF540* / IRF640*	Q6	IRFP240	1
21	IRFP9240 / IRF9540* / IRF9640*	Q7	IRFP9240	1
22	Resistor 2 / 3 watt	R15 R16	0E22 / 0E33	2
23	Resistor 1watt	R17	10R	1
24	Resistor 1/4watt	R8 R10 R11 R12	100R	4
25	Resistor 1/2watt	R4 R9	15K	2
26	Resistor 1/4watt	R1 R3 R5 R6	1K	4
27	Resistor 1/4watt	R2 R7	33K	2
28	Resistor 1/4watt	R13 R14	470R	2

* - Low power version

Instructions

- Always use good quality 25 - 35 watt soldering iron. High heat / high wattage soldering iron will harm PCB as well as components.
- Ensure correct polarity of all Polar Capacitors and Semiconductors before soldering
- Check for any dry solder joints, non connections, misconnection or solder overflow. if found rectify **immediately**.
- Securely Fix Power Transistors on suitable Heat sink with insulators.
- Always use good quality heat sink paste or thermal pads between Components and heat sink.
- Before powering on for the first time check for any short circuits between power supply, ground, input and output with Multimeter.
- Apply power without any output load (Speakers) and input signal connected.
- If there is no Bang or Smoke and nothing is getting too hot or burning, Eureka.

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