

 MYPCB				
100w Mono Amplifier List of Parts				
No.	Description	References	Value	Quantity Per PCB
1	Unpolarized capacitor	C6	100nf 63v	1
2	Unpolarized capacitor	C3 C5	100pf 63v	2
3	Polarized capacitor	C8 C9	220uf 50v	2
4	Polarized capacitor	C1	10uf 63v	1
5	Unpolarized capacitor	C7	220pf 63v	1
6	Polarized capacitor	C2	220uf 25v	1
7	Polarized capacitor	C4	47uf 63v	1
8	Positive Supply	J2	+VE Supply	1
9	Negative Supply	J3	-VE Supply	1
10	Speaker out	J4	SPEAKER	1
11	Ground	J5 J6	GND	1
12	Screw terminal, 01x02	J1	Signal IN	1
13	Wire Jumper	JP1	J1	1
14	2SA1943 / TTA1943	Q7	2SA1943	1
15	2SC5200 / TTC5200	Q8	2SC5200	1
16	BC547	Q1 Q2 Q4	BC547	3
17	BD139	Q5	BD139	1
18	BD140	Q3 Q6	BD140	2
19	Resistor 5watt	R13 R14	0E22	2
20	Resistor 1watt	R15	10	1
21	Resistor 1/4watt	R11 R12	100	2
22	Resistor 1/2watt	R4	15K	1
23	Resistor 1/4watt	R1 R3 R5 R7	1k	4
24	Resistor 1/4watt	R8	220	1
25	Resistor 1/4watt	R2 R6	33k	2
26	Resistor 1/2watt	R9 R10	3K3	2
27	Potentiometer / Preset	RV1	2K	1

Instructions (Please read carefully before use)

- 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
- Start by first soldering small components like Resistors, diodes, Jumpers.
- 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.
- Now apply the Input signal and enjoy

For more information please visit - www.vaspelectronics.com