

CHEETAH 150w QC Amplifier List of Parts

No.	Description	References	Value	QTY
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 2 Pole	J1	Signal IN	1
16	Wire Jumper	JP1 JP2	J1 J2	2
17	Inductor Coil	L1	1000nH	1
18	2N5401	Q1 Q2 Q5	2N5401	3
19	2N5551	Q3 Q4 Q6	2N5551	3
20	2SA940	Q11	2SA940	1
21	2SC2073	Q10	2SC2073	1
22	2SC5200 / 2N3055 / 2N3773	Q12 Q13	2SC5200	2
23	BD139	Q8 Q9	BD139	2
24	BD140	Q7	BD140	1
25	Resistor 5watt	R22 R23	0E22	2
26	Resistor 1 watt	R24	10R	1
27	Resistor 0Ω / WIRE JUMPER	R25	0Ω	1
28	Resistor 1/4 watt	R15 R17 R18	100R	3
29	Resistor 1/4 watt	R8 R9	10K	2
30	Resistor 1/4 watt	R3 R19 R20 R21	150R	4
31	Resistor 1/4 watt	R16	15R	1
32	Resistor 1/4 watt	R1 R10 R12 R13	1K	4
33	Resistor 1/4 watt	R14	220R	1
34	Resistor 1/4 watt	R4 R6	22R	2
35	Resistor 1/4 watt	R2 R11	33K*	2
36	Resistor 1/4 watt	R5 R7	68R	2
37	Preset	RV1	500R	1

* - Gain Resistors, 22K = Normal Gain, 33K = High Gain

Use good quality Soldering Iron and Solder wire. after soldering components, please check for solder overflow / dry / Shorted solder joints or the amplifier will not work properly

For more information please visit - vaspelectronics.com