



Comment	Description	Designator	Footprint	LibRef	Quantity
210/220	Polarized Capacitor (Radial)	C1, C2, C3, C24, C25, C26	ELEC13mm	Cap Pol1	6
0.1/100V	Capacitor	C4, C27	MILA12MM	Cap	2
0.1	Capacitor	C5, C6, C20, C29, C31	Cap_Ceramic5M	Cap	5
1nF	Capacitor	C7	Cap_Ceramic10mm	Cap	1
47nF	Capacitor	C8	Cap_Ceramic5M	Cap	1
1uF/250V	Capacitor	C9, C10, C16, C17, C18	Mila15mm	Cap	5
47p	Capacitor	C11	Cap_Ceramic5M	Cap	1
47/25	Polarized Capacitor (Radial)	C12	ELEC5M	Cap Pol1	1
0.01	Capacitor	C13, C21, C22	Cap_Ceramic5M	Cap	3
100p	Capacitor	C14	Cap_Ceramic5M	Cap	1
100/25	Polarized Capacitor (Radial)	C15, C23	ELEC5M	Cap Pol1	2
22u/16V	Polarized Capacitor (Radial)	C19	ELEC5M	Cap Pol1	1
100/25	Polarized Capacitor (Radial)	C28, C30	ELEC7M	Cap Pol1	2
5.6V	Zener Diode	D1, D2	ZD1_6mm	D Zener	2
4148	Default Diode	D3, D5, D6, D7, D8, D9, D11	1N4148	Diode	7
FR	Default Diode	D4	1N4148	Diode	1
10V	Zener Diode	D10	ZD1_6mm	D Zener	1
PT1	Typical RED GaAs LED	D12	LED-3mm	LED1	1
Bias ON	Typical RED GaAs LED	D13	LED-3mm	LED1	1
15V	Zener Diode	D14, D15	ZD1_6mm	D Zener	2
Socket	Socket	J1, J2	Sink_022A	Socket	2
+SPK	Socket	J3	P1	Socket	1
Nut	Socket	J4, J5, J6, J7	NUT	Socket	4
+VCC	Socket	J8	P1	Socket	1
GND	Socket	J9, J14	P1	Socket	2
IN+	Socket	J10	P0	Socket	1
logo	Socket	J11, J12	logo_powertech	Socket	2
-VEE	Socket	J13	P1	Socket	1
IN-	Socket	J15	P0	Socket	1
+15A	Socket	J16	P0	Socket	1
-15A	Socket	J17	P0	Socket	1
80uH	Inductor	L1	Coil_ClassD_45mm	Inductor	1
10uH	Inductor	L2	HF-106060-2	Inductor	1
BC337	NPN Bipolar Transistor	Q1, Q2, Q3, Q10	TO-92CBE	NPN	4
IRF250	N-Channel MOSFET	Q4, Q5, Q8, Q9	FET-247	MOSFET-N	4
BC327	PNP Bipolar Transistor	Q6, Q7, Q11	TO-92CBE	PNP	3
10K	Potentiometer	R1	VR-Small	RPot	1
10K	Resistor 1/4 W	R2, R6, R30	R1/4	Res1	3
100K	Resistor 1/4 W	R3	R1/4_11mm	Res1	1
470	Resistor 1/4 W	R4	R1/4	Res1	1
2K2	Resistor 1/4 W	R5	R1/4H	Res1	1
3K9	Resistor 1/4 W	R7	R1/4	Res1	1
1K	Resistor 1/4 W	R8, R14, R16, R21, R25, R33	R1/4	Res1	6
39K	Resistor 1/4 W	R9	R1/4	Res1	1
6K8	Resistor 1/4 W	R10	R1/4	Res1	1
47	Resistor 1/4 W	R11, R12, R22	R1/4	Res1	3
220	Resistor 1/4 W	R13	R1/4	Res1	1
820K	Resistor 1/4 W	R15	R1/4H	Res1	1
10K	Resistor 1/4 W	R17, R27	R1/4H	Res1	2
50/2W	Resistor 1/4 W	R18	R2WH	Res1	1
47K	Resistor 1/4 W	R19	R1/4H	Res1	1
4.7K	Resistor 1/4 W	R20	R1/4H	Res1	1
47	Resistor 1/4 W	R23	R1/4_11mm	Res1	1
22K	Resistor 1/4 W	R24	R1/4	Res1	1
12K	Resistor 1/4 W	R26	R1/4	Res1	1
330	Resistor 1/4 W	R28	R1/4	Res1	1
CLM	Potentiometer	R29	VR-Small	RPot	1
0.1	Resistor 1/4 W	R31, R32	RE10W	Res1	2
10	Resistor 1/4 W	R34, R36	R1/4	Res1	2
4.7K/2W	Resistor 1/4 W	R35, R37	R2W	Res1	2
LM393		U1	S-DIP8	LM393	1
TL072		U2	S-DIP8	TL072	1
IR2111		U3	S-DIP8	IR2111	1
555		U4	S-DIP8	555	1