



Bluefin Speaker Protection Board List of Parts

no.	References	Value	Description	QTY
1	C1, C2	100uf 16v	Polarized capacitor	2
2	C3	1000uf 35v	Polarized capacitor	1
3	C4	220uf 16v	Polarized capacitor	1
4	D1, D6, D8	1N4007	1N4007 Diode	3
5	D2, D3, D4, D5	1N4148	1N4148 Diode	4
6	D7	LED_Green	Ok Led	1
7	D9	LED_Red	Error Led	1
8	D10, D11	5v1 Zener	5v1 Zener Diode	2
9	J1	12V / 24V AC	Power in Connector	1
10	J2	Speaker OUT Connector	Speaker OUT Connector	1
11	J3 , J4	GND Connector	GND Connector	2
12	J5	Speaker IN Connector	Speaker IN Connector	1
13	K1	12V / 24V Relay	L90 / H90 T-Relay	1
14	Q1, Q2	BC547	BC547 Transistor	2
15	Q3	BD139	BD139 Transistor	1
16	R1, R5	1K	Resistor 1/4 watt	2
17	R2	10K	Resistor 1/4 watt	1
18	R3	47K	Resistor 1/4 watt	1
19	R4	100K	Resistor 1/4 watt	1

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