

Service Manual



1CH/2CH Digital Power Amplifier
DPA-130DC/230DC



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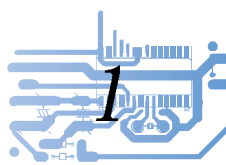
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SPECIFICATIONS

	DPA-130DC	DPA-230DC
Rated Output Power	(1kHz, 33.3Ω)	
Rated Output Power (T.H.D 0.1%, AES17)	300W	300W x 2CH
Output Voltage/Impedance	100V / 33.3Ω	
Input Sensitivity/Impedance	1V / 10 KΩ Balance	
T.H.D (ASE17)		
Rated (300W, 1kHz)	Less than 0.1%	
$\frac{1}{3}$ Prated (100W, 1kHz)	Less than 0.03%	
S/N (20kHz LPF, A-WTD)	Over than 100dB	
High Frequency Response (1W, +1dB, -3dB)	Over than 20kHz	
Low Frequency Response (1W, -3dB±2dB)		
High Pass Filter Off	65Hz	
High Pass Filter On	400Hz	
Operating Temperature	-10°C ~ +40°C	
Power Source	DC 24V, AC 220-240V 50/60Hz	
Power Consumption (Pmax)	150W	
Weight (Set)	6.8kg / 14.9lb	8.3kg / 18.2lb
Dimensions (Set)	482(W) x 44(H) x 420(D)mm/19(W) x 1.7(H) x 16.5(D)in	

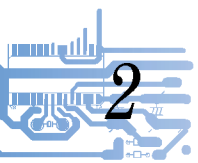
* Specifications and design subject to change without notice.

* Power consumption is different that depending on number of amplifier modules.



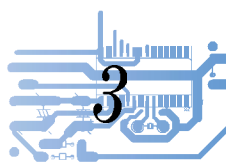
ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
PCB ASS'Y, POWER, DPA-130DC/230DC, COM					
1	119614	1.0	RES,TF,390K,1/8W,5%,3216	R1	Auto-SMD
2	119614	1.0	RES,TF,390K,1/8W,5%,3216	R2	Auto-SM
3	119614	1.0	RES,TF,390K,1/8W,5%,3216	R3	Auto-SMD
4	119614	1.0	RES,TF,390K,1/8W,5%,3216	R45	Auto-SMD
5	119614	1.0	RES,TF,390K,1/8W,5%,3216	R46	Auto-SMD
6	119614	1.0	RES,TF,390K,1/8W,5%,3216	R47	Auto-SMD
7	125937	1.0	CON ASS'Y,DS,3P,HCH,HBH,100MM	AN203	B'D-IN
8	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q9	Auto-SMD
9	120247	1.0	CAP CE B 0.1UF 50V Z 0805(2012)	C32	Auto-SMD
10	119367	1.0	RES,TF,10K,1/10W,5%,2012	R44	Auto-SMD
11	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R13	Auto-SMD
12	105822	1.0	CAP,FILM,POLYESTR,SM,0.1UF,100V,J,TA	C16	Auto-R
13	126866	1.0	CAP,E,330UF,20%,200V,BOX	C3	B'D-IN
14	125866	1.0	DIODE,BR,TS15P05G,TS-6P	BD1	B'D-IN
15	105996	1.0	CAP,FILM,M-POLYPRPN,0.47UF,275V,K,PCX233	C1	B'D-IN
16	105996	1.0	CAP,FILM,M-POLYPRPN,0.47UF,275V,K,PCX233	C2	B'D-IN
17	120247	1.0	CAP CE B 0.1UF 50V Z 0805(2012)	C5	Auto-SMD
18	128384	1.0	CAP,CE,750PF,J,50V,2012,REEL	C6	Auto-SMD
19	128384	1.0	CAP,CE,750PF,J,50V,2012,REEL	C7	Auto-SMD
20	128384	1.0	CAP,CE,750PF,J,50V,2012,REEL	C8	Auto-SMD
21	127360	1.0	CAP,E,NXA,105C,22UF,50V,5P	C9	Auto-R
22	120247	1.0	CAP CE B 0.1UF 50V Z 0805(2012)	C10	Auto-SMD
23	105354	1.0	CAP,E,SM,NXH,105C,47UF,50V,M,6.3X11,TA	C12	Auto-R
24	120247	1.0	CAP CE B 0.1UF 50V Z 0805(2012)	C13	Auto-SMD
25	128397	1.0	CAP,E,KMG,105C,47uF,35V,5X11	C14	Auto-R
26	105603	1.0	CAP,E,SM,RD,105C,1000UF,35V,M,12.5*20	C17	B'D-IN
27	105793	1.0	CAP,CE,AC,Y2/X1,2200PF,250VAC,M,RA	C18	B'D-IN
28	128364	1.0	CAP,CE,100PF,K,1KV	C19	Auto-R
29	105946	1.0	CAP,FILM,M-POLYESTR,0.1UF,400V,K	C20	B'D-IN
30	128364	1.0	CAP,CE,100PF,K,1KV	C23	Auto-R
31	125195	1.0	CAP,FILM,M-POLYPRPN,SM,0.47UF,275V,K,TA	C24	B'D-IN
32	125195	1.0	CAP,FILM,M-POLYPRPN,SM,0.47UF,275V,K,TA	C25	B'D-IN
33	120247	1.0	CAP CE B 0.1UF 50V Z 0805(2012)	C26	Auto-SMD
34	105786	1.0	CAP,CE,AC,Y2/X1,1000PF,250VAC,M,RA,MURAT	C27	B'D-IN
35	120247	1.0	CAP CE B 0.1UF 50V Z 0805(2012)	C31	Auto-SMD
36	105603	1.0	CAP,E,SM,RD,105C,1000UF,35V,M,12.5*20	C34	B'D-IN
37	105603	1.0	CAP,E,SM,RD,105C,1000UF,35V,M,12.5*20	C35	B'D-IN
38	128364	1.0	CAP,CE,100PF,K,1KV	C36	Auto-R
39	105603	1.0	CAP,E,SM,RD,105C,1000UF,35V,M,12.5*20	C37	B'D-IN
40	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D1	Auto-A
41	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D2	Auto-A
42	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D3	Auto-A
43	119171	1.0	DIODE,SW,200MA,100V,MMBD4148,SOT-23,TA	D4	Auto-SMD
44	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D6	Auto-A
45	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D7	Auto-A
46	128391	1.0	DIODE,FMG-26S,TO-220F,STICK	D8	B'D-IN
47	128390	1.0	DIODE,FMG-26R,TO-220F,STICK	D9	B'D-IN
48	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D11	Auto-A
49	119171	1.0	DIODE,SW,200MA,100V,MMBD4148,SOT-23,TA	D12	Auto-SMD
50	111579	1.0	FUSE HOLDER 20MM	F1	B'D-IN
51	128336	1.0	Blade Fuse Holder,80V	F2	B'D-IN
52	126035	1.0	HEAT SINK(B)_DPA-430H_75A0001000	HS1	B'D-IN
53	126035	1.0	HEAT SINK(B)_DPA-430H_75A0001000	HS2	B'D-IN
54	126035	1.0	HEAT SINK(B)_DPA-430H_75A0001000	HS3	B'D-IN
55	126035	1.0	HEAT SINK(B)_DPA-430H_75A0001000	HS4	B'D-IN
56	126035	1.0	HEAT SINK(B)_DPA-430H_75A0001000	HS5	B'D-IN



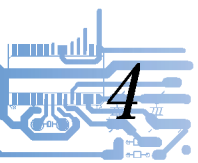
ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
57	125718	1.0	FILTER,LINE,AC,8MH	L1	B'D-IN
58	118872	1.0	PHOTOCOUPLER,1U,LTV-817B	PC2	Auto-SMD
59	128380	1.0	TR,FET,IRFB3307Z,,TO-220AB,REEL	Q2	B'D-IN
60	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q3	Auto-SMD
61	128380	1.0	TR,FET,IRFB3307Z,,TO-220AB,REEL	Q4	B'D-IN
62	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q6	Auto-SMD
63	102612	1.0	TR,PW,NPN,1A,160V,KTC3228,TO-92L	Q7	Auto-R
64	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q8	Auto-SMD
65	126819	1.0	RES,MF,56K,1W,5%,AX N,TA	R4	Auto-A
66	119631	1.0	RES,TF,47K,1/4W,5%,3216	R5	Auto-SMD
67	119631	1.0	RES,TF,47K,1/4W,5%,3216	R6	Auto-SMD
68	119631	1.0	RES,TF,47K,1/4W,5%,3216	R7	Auto-SMD
69	119631	1.0	RES,TF,47K,1/4W,5%,3216	R8	Auto-SMD
70	119631	1.0	RES,TF,47K,1/4W,5%,3216	R9	Auto-SMD
71	119631	1.0	RES,TF,47K,1/4W,5%,3216	R10	Auto-SMD
72	119689	1.0	RES,TF,6.2K,1/10W,5%,2012	R11	Auto-SMD
73	119887	1.0	RES,TF,150,1/10W,1%,2012	R12	Auto-SMD
74	119630	1.0	RES,TF,47K,1/10W,5%,2012	R15	Auto-SMD
75	119355	1.0	RES,TF,100,1/4W,5%,3216	R21	Auto-SMD
76	119580	1.0	RES,TF,33K,1/10W,5%,2012	R22	Auto-SMD
77	119355	1.0	RES,TF,100,1/4W,5%,3216	R23	Auto-SMD
78	119367	1.0	RES,TF,10K,1/10W,5%,2012	R24	Auto-SMD
79	125583	1.0	RES,MF,1.5K,1W,J,AX,TA	R28	Auto-A
80	125583	1.0	RES,MF,1.5K,1W,J,AX,TA	R29	Auto-A
81	104694	1.0	RES,MF,6.8,1W,5%,AX N,TA	R30	Auto-A
82	119499	1.0	RES,TF,22K,1/10W,5%,2012	R31	Auto-SMD
83	119499	1.0	RES,TF,22K,1/10W,5%,2012	R32	Auto-SMD
84	119367	1.0	RES,TF,10K,1/10W,5%,2012	R33	Auto-SMD
85	119499	1.0	RES,TF,22K,1/10W,5%,2012	R34	Auto-SMD
86	119424	1.0	RES,TF,1.5K,1/10W,5%,2012	R36	Auto-SMD
87	119645	1.0	RES,TF,4R7,1/10W,5%,2012	R39	Auto-SMD
88	119362	1.0	RES,TF,1K,1/10W,5%,2012	R40	Auto-SMD
89	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R41	Auto-SMD
90	119367	1.0	RES,TF,10K,1/10W,5%,2012	R48	Auto-SMD
91	119617	1.0	RES,TF,47,1/10W,5%,2012	R49	Auto-SMD
92	125868	1.0	RELAY,SPST,24V,881H-1AH-C	RL Y1	B'D-IN
93	128400	1.0	TRANS,TOROIDAL,DPA-230DC	T1	B'D-IN
94	128401	1.0	FILTER,LINE,DC,500uH	T11	B'D-IN
95	125918	1.0	THERMISTOR,NTC,SKT22D3MI.KT,TA	TH1	B'D-IN
96	128389	1.0	IC,SG3525AP,SO16,STICK	U1	Auto-SMD
97	128383	1.0	IC,KIA78R15API,TO-220,STICK	U3	B'D-IN
98	102749	1.0	DIODE,ZN,500MW,BM,27V,DO-35,TA	ZD1	Auto-A
99	102749	1.0	DIODE,ZN,500MW,BM,27V,DO-35,TA	ZD2	Auto-A
100	125733	1.0	DIODE,ZN,1N4750A,1W,27V,DO-41	ZD3	Auto-A
101	128432	1.0	PCB,FR4,1.6T,280X247,PWR,DPA-130230_DC		Auto-SMD
102	114336	6.0	3.0,60,SCREW FM 3X6.5B(DSR-430)		B'D-IN
103	128416	1.0	HEAT POWER(UP),93.8X48X1.0,DPA-230DC		B'D-IN
104	128417	1.0	HEAT POWER(DOWN),93.8X112X1.0,DPA-230DC		B'D-IN
105	114449	6.0	HEX MSPM 3*12Y		B'D-IN
106	105409	1.0	CAP,E,SM,RG,105C,1UF,50V,M,5X11,TA	C11	Auto-R
107	126215	2.0	COOL SHEET,INSULATOR,ALUMINA		B'D-IN
108	112251	2.0	CAP__SW-040-140		B'D-IN
109	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D5	Auto-A
110	128438	1.0	HEAT SINK(C-1)_DPA-230DC_75A0004400	HS6	B'D-IN
111	103536	1.0	INDUCTOR,BEAD,2550,AX,TA	L2	Auto-A
112	103536	1.0	INDUCTOR,BEAD,2550,AX,TA	L3	Auto-A
113	119370	1.0	RES,TF,100K,1/10W,5%,2012	R14	Auto-SMD



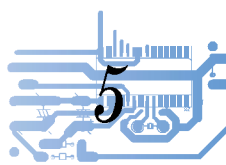
ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
114	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D15	Auto-A
115	105822	1.0	CAP,FILM,POLYESTR,SM,0.1UF,100V,J,TA	C30	Auto-R
116	119499	1.0	RES,TF,22K,1/10W,5%,2012	R43	Auto-SMD
117	119502	1.0	RES,TF,220K,1/10W,5%,2012	R16	Auto-SMD
118	126866	1.0	CAP,E,330UF,20%,200V,BOX	C4	B'D-IN
119	110493	1.0	WAFER,B2P3-VH(LF)(SN),JST,ROHS	CN501	B'D-IN
120	111034	1.0	CON WAFER,LOCK(M),4P,AN,5.08MM,8981-4V	CP504	B'D-IN
121	111333	1.0	CON WAFER,LOCK(M),5P,ST,2MM	CN101	B'D-IN
122	104515	1.0	RES,MF,10,1W,5%,AX N,T	R26	Auto-A
123	104515	1.0	RES,MF,10,1W,5%,AX N,T		
PCB ASS'Y, AMP, DPA-130DC/230DC, COM					
1	110493	1.0	WAFER,B2P3-VH(LF)(SN),JST,ROHS	CN203	B'D-IN
2	110947	1.0	CON WAFER,BD TO BD(M),5P,2MM,ST	CP207	B'D-IN
3	111330	1.0	CON WAFER,BOX(M),2P,ST,2MM	CP208	B'D-IN
4	111360	1.0	CON WAFER,BOX(M),5P,ST,2.5MM	CP101	B'D-IN
5	120360	1.0	CAP,CE,MONO,COG,18PF,50V,J,2012,TA	C201	Auto-SMD
6	126715	1.0	CAP,E,SM,RD,105°C,10UF,50V,M,5*11,TA	C274	Auto-R
7	126715	1.0	CAP,E,SM,RD,105°C,10UF,50V,M,5*11,TA	C273	Auto-R
8	126715	1.0	CAP,E,SM,RD,105°C,10UF,50V,M,5*11,TA	C264	Auto-R
9	126715	1.0	CAP,E,SM,RD,105°C,10UF,50V,M,5*11,TA	C218	Auto-R
10	126715	1.0	CAP,E,SM,RD,105°C,10UF,50V,M,5*11,TA	C217	Auto-R
11	107236	1.0	CON ASS'Y,DS,2P,5264,JUMPER,10MM		B'D-IN
12	119517	1.0	RES,TF,24K,1/10W,5%,2012	R202	Auto-SMD
13	126221	1.0	INSULATION SHEET(CON),DPA-430H,30mm		B'D-IN
14	112251	4.0	CAP 부상 SW-040-140		B'D-IN
15	126215	4.0	COOL SHEET,INSULATOR,ALUMINA		B'D-IN
16	103550	1.0	INDUCTOR,BEAD,2550,RA,TA	BD206	Auto-R
17	123776	1.0	BEAD, BAS3580T00, FERITE BEAD	BD205	Auto-A
18	123776	1.0	BEAD, BAS3580T00, FERITE BEAD	BD204	Auto-A
19	2000906	1.0	COIL,INDUCTOR,36UH,3.8A,TROIDAL	L200	B'D-IN
20	2000906	1.0	COIL,INDUCTOR,36UH,3.8A,TROIDAL	L203	B'D-IN
21	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R218	Auto-SMD
22	119949	1.0	RES,MF,4.3K,1/8W,5%,2012,TA	R219	Auto-SMD
23	119453	1.0	RES,TF,180,1/10W,5%,2012	R220	Auto-SMD
24	119370	1.0	RES,TF,100K,1/10W,5%,2012	R221	Auto-SMD
25	119732	1.0	RES TF 7.5K J 1/10W 2012	R222	Auto-SMD
26	119707	1.0	RES,TF,6.8K,1/10W,5%,2012	R223	Auto-SMD
27	119707	1.0	RES,TF,6.8K,1/10W,5%,2012	R224	Auto-SMD
28	119370	1.0	RES,TF,100K,1/10W,5%,2012	R225	Auto-SMD
29	119523	1.0	RES,TF,270,1/10W,5%,2012	R226	Auto-SMD
30	119492	1.0	RES,TF,220,1/10W,5%,2012	R227	Auto-SMD
31	119492	1.0	RES,TF,220,1/10W,5%,2012	R228	Auto-SMD
32	126121	1.0	RES,TF,220K,1%,2012	R229	Auto-SMD
33	126121	1.0	RES,TF,220K,1%,2012	R230	Auto-SMD
34	126121	1.0	RES,TF,220K,1%,2012	R231	Auto-SMD
35	126121	1.0	RES,TF,220K,1%,2012	R232	Auto-SMD
36	104682	1.0	RES MO 68 2W J RADIAL	R233	Auto-R
37	119346	1.0	RES,TF,10,1/10W,5%,2012	R234	Auto-SMD
38	119630	1.0	RES,TF,47K,1/10W,5%,2012	R235	Auto-SMD
39	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R236	Auto-SMD
40	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R237	Auto-SMD
41	119424	1.0	RES,TF,1.5K,1/10W,5%,2012	R238	Auto-SMD
42	119630	1.0	RES,TF,47K,1/10W,5%,2012	R239	Auto-SMD
43	119747	1.0	RES,TF,8.2K,1/10W,5%,2012	R240	Auto-SMD
44	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R241	Auto-SMD
45	119367	1.0	RES,TF,10K,1/10W,5%,2012	R242	Auto-SMD



ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
46	119630	1.0	RES,TF,47K,1/10W,5%,2012	R243	Auto-SMD
47	119732	1.0	RES TF 7.5K J 1/10W 2012	R244	Auto-SMD
48	119527	1.0	RES,TF,2.7K,1/10W,5%,2012	R245	Auto-SMD
49	119576	1.0	RES,TF,3.3K,1/10W,5%,2012	R247	Auto-SMD
50	119747	1.0	RES,TF,8.2K,1/10W,5%,2012	R248	Auto-SMD
51	119487	1.0	RES TF 22Ω 1/10W 2012J	R249	Auto-SMD
52	119487	1.0	RES TF 22Ω 1/10W 2012J	R250	Auto-SMD
53	119346	1.0	RES,TF,10,1/10W,5%,2012	R251	Auto-SMD
54	119346	1.0	RES,TF,10,1/10W,5%,2012	R252	Auto-SMD
55	119548	1.0	RES,TF,3K,1/10W,5%,2012	R253	Auto-SMD
56	119732	1.0	RES TF 7.5K J 1/10W 2012	R254	Auto-SMD
57	119367	1.0	RES,TF,10K,1/10W,5%,2012	R256	Auto-SMD
58	119487	1.0	RES TF 22Ω 1/10W 2012J	R257	Auto-SMD
59	119487	1.0	RES TF 22Ω 1/10W 2012J	R258	Auto-SMD
60	119487	1.0	RES TF 22Ω 1/10W 2012J	R259	Auto-SMD
61	119487	1.0	RES TF 22Ω 1/10W 2012J	R260	Auto-SMD
62	119667	1.0	RES,TF,56,1/10W,5%,2012	R261	Auto-SMD
63	119667	1.0	RES,TF,56,1/10W,5%,2012	R262	Auto-SMD
64	119353	1.0	RES,TF,100,1/10W,5%,2012	R263	Auto-SMD
65	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R265	Auto-SMD
66	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R266	Auto-SMD
67	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R267	Auto-SMD
68	119405	1.0	RES,TF,120K,1/10W,5%,2012	R268	Auto-SMD
69	119630	1.0	RES,TF,47K,1/10W,5%,2012	R269	Auto-SMD
70	119747	1.0	RES,TF,8.2K,1/10W,5%,2012	R270	Auto-SMD
71	119424	1.0	RES,TF,1.5K,1/10W,5%,2012	R271	Auto-SMD
72	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R272	Auto-SMD
73	127554	1.0	CAP,E,SM,NXB,105C,2.2uF,50V,M,5x11,TA	C260	Auto-R
74	119367	1.0	RES,TF,10K,1/10W,5%,2012	R273	Auto-SMD
75	119630	1.0	RES,TF,47K,1/10W,5%,2012	R274	Auto-SMD
76	119732	1.0	RES TF 7.5K J 1/10W 2012	R275	Auto-SMD
77	119527	1.0	RES,TF,2.7K,1/10W,5%,2012	R276	Auto-SMD
78	119576	1.0	RES,TF,3.3K,1/10W,5%,2012	R278	Auto-SMD
79	119747	1.0	RES,TF,8.2K,1/10W,5%,2012	R279	Auto-SMD
80	119487	1.0	RES TF 22Ω 1/10W 2012J	R280	Auto-SMD
81	119487	1.0	RES TF 22Ω 1/10W 2012J	R281	Auto-SMD
82	119346	1.0	RES,TF,10,1/10W,5%,2012	R282	Auto-SMD
83	119346	1.0	RES,TF,10,1/10W,5%,2012	R283	Auto-SMD
84	119548	1.0	RES,TF,3K,1/10W,5%,2012	R284	Auto-SMD
85	119732	1.0	RES TF 7.5K J 1/10W 2012	R285	Auto-SMD
86	119367	1.0	RES,TF,10K,1/10W,5%,2012	R287	Auto-SMD
87	120421	1.0	CAP,CE,MONO,X7R,0.1uF,50V,K,2012,TA	C221	Auto-SMD
88	120421	1.0	CAP,CE,MONO,X7R,0.1uF,50V,K,2012,TA	C222	Auto-SMD
89	120421	1.0	CAP,CE,MONO,X7R,0.1uF,50V,K,2012,TA	C223	Auto-SMD
90	120421	1.0	CAP,CE,MONO,X7R,0.1uF,50V,K,2012,TA	C224	Auto-SMD
91	105548	1.0	CAP,E,SM,RG,105C,4.7uF,50V,M,5X11,TA	C225	Auto-R
92	105956	1.0	CAP,FILM,M-POLYESTR,0.22uF,50V,J,TA	C229	Auto-R
93	105909	1.0	CAP,FILM,M-POLYESTR,0.1uF,250V,J,TA	C230	Auto-R
94	125849	1.0	CAP,E,220uF,100V,105C,NXA,TA	C231	B'D-IN
95	105909	1.0	CAP,FILM,M-POLYESTR,0.1uF,250V,J,TA	C232	Auto-R
96	125849	1.0	CAP,E,220uF,100V,105C,NXA,TA	C233	B'D-IN
97	126490	1.0	CAP,CE,100PF,500V,J,3216	C234	Auto-SMD
98	105909	1.0	CAP,FILM,M-POLYESTR,0.1uF,250V,J,TA	C235	Auto-R
99	126225	1.0	CAP,FILM,0.047uF,400V,J,RA	C236	Auto-R
100	126224	1.0	CAP,FILM,0.068uF,400V,J,RA	C237	Auto-R
101	105877	1.0	CAP,FILM,POLYESTR,0.0082uF,100V,J,TA	C238	Auto-R
102	105877	1.0	CAP,FILM,POLYESTR,0.0082uF,100V,J,TA	C239	Auto-R

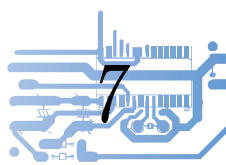


ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
103	126223	1.0	CAP,FILM,0.01UF,400V,J,RA	C240	Auto-R
104	126225	1.0	CAP,FILM,0.047UF,400V,J,RA	C241	Auto-R
105	126225	1.0	CAP,FILM,0.047UF,400V,J,RA	C242	Auto-R
106	114336	7.0	3.0,60,SCREW FM 3X6.5B(DSR-430)		B'D-IN
107	114358	1.0	SCREW WPM 3X18 "Y"		B'D-IN
108	114449	8.0	HEX MSPM 3*12Y		B'D-IN
109	114587	1.0	NUT M3		B'D-IN
110	125855	1.0	DIODE,ZENER,MMSZ5240B,SOD-123,TA	ZD201	Auto-SMD
111	126039	1.0	HEAT PLATE(B)_DPA-430H_75A0001200		B'D-IN
112	126239	1.0	HEAT PLATE(C)_DPA-430H_75A0001700		B'D-IN
113	128415	1.0	HEAT PLATE(A-1),96X61X1.0,DPA-230DC		B'D-IN
114	128431	1.0	PCB,FR4,1.6T,340X247,AMP,DPA-130_230DC		Auto-SMD
115	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C243	Auto-SMD
116	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C244	Auto-SMD
117	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C245	Auto-SMD
118	105548	1.0	CAP,E,SM,RG,105C,4.7UF,50V,M,5X11,TA	C246	Auto-R
119	105956	1.0	CAP,FILM,M-POLYESTR,0.22UF,50V,J,TA	C250	Auto-R
120	105909	1.0	CAP,FILM,M-POLYESTR,0.1UF,250V,J,TA	C251	Auto-R
121	125849	1.0	CAP,E,220UF,100V,105C,NXA,TA	C252	B'D-IN
122	126490	1.0	CAP,CE,100PF,500V,J,3216	C253	Auto-SMD
123	105909	1.0	CAP,FILM,M-POLYESTR,0.1UF,250V,J,TA	C254	Auto-R
124	125849	1.0	CAP,E,220UF,100V,105C,NXA,TA	C255	B'D-IN
125	105909	1.0	CAP,FILM,M-POLYESTR,0.1UF,250V,J,TA	C256	Auto-R
126	105877	1.0	CAP,FILM,POLYESTR,0.0082UF,100V,J,TA	C257	Auto-R
127	105877	1.0	CAP,FILM,POLYESTR,0.0082UF,100V,J,TA	C258	Auto-R
128	126223	1.0	CAP,FILM,0.01UF,400V,J,RA	C259	Auto-R
129	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C261	Auto-SMD
130	105462	1.0	CAP,E,SM,RG,105C,22UF,25V,M,TA	C262	Auto-R
131	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C263	Auto-SMD
132	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C265	Auto-SMD
133	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C266	Auto-SMD
134	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C267	Auto-SMD
135	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C268	Auto-SMD
136	105462	1.0	CAP,E,SM,RG,105C,22UF,25V,M,TA	C269	Auto-R
137	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C270	Auto-SMD
138	127070	1.0	CAP,E,BP,SHL,85C,100UF,10V,M,6.3X11,TA	C271	Auto-R
139	127070	1.0	CAP,E,BP,SHL,85C,100UF,10V,M,6.3X11,TA	C272	Auto-R
140	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C275	Auto-SMD
141	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C276	Auto-SMD
142	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C277	Auto-SMD
143	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C278	Auto-SMD
144	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C279	Auto-SMD
145	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C280	Auto-SMD
146	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C281	Auto-SMD
147	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C282	Auto-SMD
148	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C283	Auto-SMD
149	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C284	Auto-SMD
150	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C285	Auto-SMD
151	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C286	Auto-SMD
152	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C287	Auto-SMD
153	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C288	Auto-SMD
154	126494	1.0	CAP,CE,10nF,250V,K,2012	C296	Auto-SMD
155	126494	1.0	CAP,CE,10nF,250V,K,2012	C297	Auto-SMD
156	125968	1.0	CAP,FILM,M-POLYESTR,0.47UF,63V,J,TA	C400	Auto-R
157	126383	1.0	CAP,FILM,M-POLYESTR,0.0027UF,100V,J,TA	C401	Auto-R
158	105921	1.0	CAP,FILM,M-POLYESTR,SM,1000PF,100V,J,TA	C402	Auto-R
159	105947	1.0	CAP,FILM,M-POLYESTR,1UF,50V,J,TA	C403	Auto-R

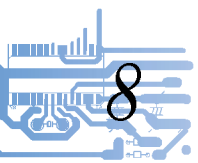
ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
160	126382	1.0	CAP,FILM,M-POLYESTR,0.0082UF,100V,J,TA	C404	Auto-R
161	105921	1.0	CAP,FILM,M-POLYESTR,SM,1000PF,100V,J,TA	C405	Auto-R
162	105921	1.0	CAP,FILM,M-POLYESTR,SM,1000PF,100V,J,TA	C406	Auto-R
163	126222	1.0	CAP,CE,6PF,50V,J,CH,RA	C407	Auto-R
164	105674	1.0	CAP CE SL 120P 50V J	C408	Auto-R
165	126222	1.0	CAP,CE,6PF,50V,J,CH,RA	C409	Auto-R
166	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C410	Auto-SMD
167	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C411	Auto-SMD
168	105688	1.0	CAP,CE,TEMP,SL,220PF,50V,J,RA,TA	C412	Auto-R
169	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C413	Auto-SMD
170	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C414	Auto-SMD
171	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C415	Auto-SMD
172	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C417	Auto-SMD
173	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C418	Auto-SMD
174	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C419	Auto-SMD
175	125865	1.0	CON WAFER,BD TO BD(F),08P,2MM,AN	CN201	B'D-IN
176	125865	1.0	CON WAFER,BD TO BD(F),08P,2MM,AN	CN202	B'D-IN
177	125864	1.0	CON WAFER,BD TO BD(M),08P,2MM,ST	CP201	B'D-IN
178	125864	1.0	CON WAFER,BD TO BD(M),08P,2MM,ST	CP202	B'D-IN
179	125864	1.0	CON WAFER,BD TO BD(M),08P,2MM,ST	CP203	B'D-IN
180	110949	1.0	CON WAFER,BD TO BD(M),13P,2MM,ST	CP204	B'D-IN
181	110947	1.0	CON WAFER,BD TO BD(M),5P,2MM,ST	CP205	B'D-IN
182	110947	1.0	CON WAFER,BD TO BD(M),5P,2MM,ST	CP206	B'D-IN
183	119196	1.0	DIODE,SW,150MA,70V,BAV99,SOT-23,TA	D1	Auto-SMD
184	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D105	Auto-A
185	125880	1.0	DIODE,SS16,DO-214AC,TA	D106	Auto-SMD
186	119171	1.0	DIODE,SW,200MA,100V,MMBD4148,SOT-23,TA	D107	Auto-SMD
187	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D108	Auto-A
188	125880	1.0	DIODE,SS16,DO-214AC,TA	D109	Auto-SMD
189	119171	1.0	DIODE,SW,200MA,100V,MMBD4148,SOT-23,TA	D110	Auto-SMD
190	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D111	Auto-A
191	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D112	Auto-A
192	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D114	Auto-A
193	119947	1.0	RES MF 2.4K J 2012	R155	Auto-SMD
194	119367	1.0	RES,TF,10K,1/10W,5%,2012	R157	Auto-SMD
195	119655	1.0	RES,TF,5.1K,1/10W,5%,2012	R158	Auto-SMD
196	125873	1.0	RES,MF,39K,1/4W,1%,AX	R159	Auto-A
197	126498	1.0	RES,TF,2.7K,1/10W,F,2012	R160	Auto-SMD
198	125874	1.0	RES,MF,33K,1/8W,1%,2012,TA	R161	Auto-SMD
199	125876	1.0	RES,MF,2.4K,1/8W,1%,2012,TA	R162	Auto-SMD
200	104653	1.0	RES,MF,47,2W,5%,RA R,TA	R163	Auto-R
201	126331	1.0	RES,MO,20K,2W,J,RA	R167	Auto-R
202	126331	1.0	RES,MO,20K,2W,J,RA	R168	Auto-R
203	119655	1.0	RES,TF,5.1K,1/10W,5%,2012	R169	Auto-SMD
204	119655	1.0	RES,TF,5.1K,1/10W,5%,2012	R170	Auto-SMD
205	119455	1.0	RES,TF,1.8K,1/10W,5%,2012	R200	Auto-SMD
206	119367	1.0	RES,TF,10K,1/10W,5%,2012	R201	Auto-SMD
207	119693	1.0	RES,TF,62K,1/10W,5%,2012	R203	Auto-SMD
208	119367	1.0	RES,TF,10K,1/10W,5%,2012	R204	Auto-SMD
209	119617	1.0	RES,TF,47,1/10W,5%,2012	R205	Auto-SMD
210	119617	1.0	RES,TF,47,1/10W,5%,2012	R206	Auto-SMD
211	119617	1.0	RES,TF,47,1/10W,5%,2012	R207	Auto-SMD
212	119617	1.0	RES,TF,47,1/10W,5%,2012	R208	Auto-SMD
213	119487	1.0	RES TF 22Ω 1/10W 2012J	R209	Auto-SMD
214	119676	1.0	RES,TF,5.6K,1/10W,5%,2012	R210	Auto-SMD
215	119580	1.0	RES,TF,33K,1/10W,5%,2012	R211	Auto-SMD
216	119747	1.0	RES,TF,8.2K,1/10W,5%,2012	R212	Auto-SMD



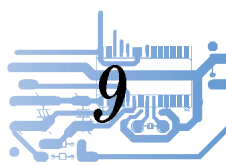
ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
217	119428	1.0	RES,TF,15K,1/10W,5%,2012	R213	Auto-SMD
218	119362	1.0	RES,TF,1K,1/10W,5%,2012	R214	Auto-SMD
219	119676	1.0	RES,TF,5.6K,1/10W,5%,2012	R215	Auto-SMD
220	119367	1.0	RES,TF,10K,1/10W,5%,2012	R216	Auto-SMD
221	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R217	Auto-SMD
222	119487	1.0	RES TF 22Ω 1/10W 2012J	R288	Auto-SMD
223	119487	1.0	RES TF 22Ω 1/10W 2012J	R289	Auto-SMD
224	119487	1.0	RES TF 22Ω 1/10W 2012J	R290	Auto-SMD
225	119487	1.0	RES TF 22Ω 1/10W 2012J	R291	Auto-SMD
226	119667	1.0	RES,TF,56,1/10W,5%,2012	R292	Auto-SMD
227	119667	1.0	RES,TF,56,1/10W,5%,2012	R293	Auto-SMD
228	119353	1.0	RES,TF,100,1/10W,5%,2012	R294	Auto-SMD
229	104653	1.0	RES,MF,47,2W,5%,RA R,TA	R296	Auto-R
230	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R297	Auto-SMD
231	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R298	Auto-SMD
232	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R299	Auto-SMD
233	104653	1.0	RES,MF,47,2W,5%,RA R,TA	R300	Auto-R
234	105924	1.0	CAP,FILM,M-POLYESTR,SM,0.1UF,100V,J,TA	C249	Auto-R
235	119405	1.0	RES,TF,120K,1/10W,5%,2012	R301	Auto-SMD
236	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R302	Auto-SMD
237	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R303	Auto-SMD
238	119405	1.0	RES,TF,120K,1/10W,5%,2012	R304	Auto-SMD
239	119620	1.0	RES,TF,470,1/10W,5%,2012	R305	Auto-SMD
240	119370	1.0	RES,TF,100K,1/10W,5%,2012	R306	Auto-SMD
241	119367	1.0	RES,TF,10K,1/10W,5%,2012	R307	Auto-SMD
242	119370	1.0	RES,TF,100K,1/10W,5%,2012	R308	Auto-SMD
243	119367	1.0	RES,TF,10K,1/10W,5%,2012	R309	Auto-SMD
244	119499	1.0	RES,TF,22K,1/10W,5%,2012	R310	Auto-SMD
245	119517	1.0	RES,TF,24K,1/10W,5%,2012	R311	Auto-SMD
246	119732	1.0	RES TF 7.5K J 1/10W 2012	R312	Auto-SMD
247	119362	1.0	RES,TF,1K,1/10W,5%,2012	R314	Auto-SMD
248	119362	1.0	RES,TF,1K,1/10W,5%,2012	R315	Auto-SMD
249	125917	1.0	COIL,CHOCK,4.7UH,4A,TA	L102	B'D-IN
250	103465	1.0	COIL,FER,DRUM,10UH,10A,0.1Ω,15%	L201	B'D-IN
251	103465	1.0	COIL,FER,DRUM,10UH,10A,0.1Ω,15%	L204	B'D-IN
252	125924	1.0	LED,RTG 5X9,1U,ST2.5,HOR,AMBER	LD200	B'D-IN
253	125920	1.0	LED,RTG5X9,GRN,1U,HOR	LD201	B'D-IN
254	125920	1.0	LED,RTG5X9,GRN,1U,HOR	LD202	B'D-IN
255	125919	1.0	LED,RTG,RND,RED,1U,ST3,HOR	LD203	B'D-IN
256	118640	1.0	TR,NPN,KRC107S,SOT23	Q100	Auto-SMD
257	125858	1.0	TR,FET,STF11NM80,TO-220FP,TU	Q101	B'D-IN
258	118640	1.0	TR,NPN,KRC107S,SOT23	Q102	Auto-SMD
259	125858	1.0	TR,FET,STF11NM80,TO-220FP,TU	Q103	B'D-IN
260	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q200	Auto-SMD
261	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q201	Auto-SMD
262	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q202	Auto-SMD
263	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q203	Auto-SMD
264	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q204	Auto-SMD
265	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q205	Auto-SMD
266	125857	1.0	TR,FET,IRFB4020PBF,TO-220AB	Q206	B'D-IN
267	125857	1.0	TR,FET,IRFB4020PBF,TO-220AB	Q207	B'D-IN
268	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q208	Auto-SMD
269	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q209	Auto-SMD
270	125857	1.0	TR,FET,IRFB4020PBF,TO-220AB	Q210	B'D-IN
271	125857	1.0	TR,FET,IRFB4020PBF,TO-220AB	Q211	B'D-IN
272	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q212	Auto-SMD
273	118656	1.0	TR,SW,PNP,-100MA,-50V,KRA107S,SOT-23,TA	Q213	Auto-SMD



ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
274	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q214	Auto-SMD
275	102608	1.0	TR,PW,PNP,1A,160V,KTA1275,TO-92L	Q215	Auto-R
276	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q216	Auto-SMD
277	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q217	Auto-SMD
278	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q218	Auto-SMD
279	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q219	Auto-SMD
280	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q220	Auto-SMD
281	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q221	Auto-SMD
282	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q222	Auto-SMD
283	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q223	Auto-SMD
284	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q224	Auto-SMD
285	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q225	Auto-SMD
286	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q226	Auto-SMD
287	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q227	Auto-SMD
288	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q228	Auto-SMD
289	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q229	Auto-SMD
290	102612	1.0	TR,PW,NPN,1A,160V,KTC3228,TO-92L	Q231	Auto-R
291	118640	1.0	TR,NPN,KRC107S,SOT23	Q232	Auto-SMD
292	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q233	Auto-SMD
293	118656	1.0	TR,SW,PNP,-100MA,-50V,KRA107S,SOT-23,TA	Q234	Auto-SMD
294	118656	1.0	TR,SW,PNP,-100MA,-50V,KRA107S,SOT-23,TA	Q235	Auto-SMD
295	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R1	Auto-SMD
296	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R2	Auto-SMD
297	119467	1.0	RES,TF,180K,1/4W,5%,3216	R104	Auto-SMD
298	119467	1.0	RES,TF,180K,1/4W,5%,3216	R105	Auto-SMD
299	119467	1.0	RES,TF,180K,1/4W,5%,3216	R106	Auto-SMD
300	126868	1.0	RES,METAL OXIDE,56K,2W,5%,RADIAL	R107	Auto-R
301	126868	1.0	RES,METAL OXIDE,56K,2W,5%,RADIAL	R108	Auto-R
302	119462	1.0	RES,TF,18K,1/10W,5%,2012	R113	Auto-SMD
303	119492	1.0	RES,TF,220,1/10W,5%,2012	R114	Auto-SMD
304	119617	1.0	RES,TF,47,1/10W,5%,2012	R115	Auto-SMD
305	119462	1.0	RES,TF,18K,1/10W,5%,2012	R116	Auto-SMD
306	104741	1.0	RES,CE,WW,0.22,3W,5%,10MM	R117	B'D-IN
307	125583	1.0	RES,MF,1.5K,1W,J,AX,TA	R118	Auto-A
308	119473	1.0	RES,TF,2K,1/10W,5%,2012	R119	Auto-SMD
309	119462	1.0	RES,TF,18K,1/10W,5%,2012	R120	Auto-SMD
310	119492	1.0	RES,TF,220,1/10W,5%,2012	R121	Auto-SMD
311	119617	1.0	RES,TF,47,1/10W,5%,2012	R122	Auto-SMD
312	119462	1.0	RES,TF,18K,1/10W,5%,2012	R123	Auto-SMD
313	104741	1.0	RES,CE,WW,0.22,3W,5%,10MM	R124	B'D-IN
314	125583	1.0	RES,MF,1.5K,1W,J,AX,TA	R125	Auto-A
315	119473	1.0	RES,TF,2K,1/10W,5%,2012	R126	Auto-SMD
316	126868	1.0	RES,METAL OXIDE,56K,2W,5%,RADIAL	R127	Auto-R
317	126868	1.0	RES,METAL OXIDE,56K,2W,5%,RADIAL	R128	Auto-R
318	119502	1.0	RES,TF,220K,1/10W,5%,2012	R137	Auto-SMD
319	119502	1.0	RES,TF,220K,1/10W,5%,2012	R138	Auto-SMD
320	104653	1.0	RES,MF,47,2W,5%,RA R,TA	R139	Auto-R
321	105924	1.0	CAP,FILM,M-POLYESTR,SM,0.1UF,100V,J,TA	C228	Auto-R
322	105924	1.0	CAP,FILM,M-POLYESTR,SM,0.1UF,100V,J,TA	C205	Auto-R
323	105924	1.0	CAP,FILM,M-POLYESTR,SM,0.1UF,100V,J,TA	C202	Auto-R
324	126331	1.0	RES,MO,20K,2W,J,RA	R140	Auto-R
325	104537	1.0	RES,MF,10K,2W,5%,RA R,TA	R141	Auto-R
326	119947	1.0	RES MF 2.4K J 2012	R143	Auto-SMD
327	119367	1.0	RES,TF,10K,1/10W,5%,2012	R144	Auto-SMD
328	119655	1.0	RES,TF,5.1K,1/10W,5%,2012	R145	Auto-SMD
329	125873	1.0	RES,MF,39K,1/4W,1%,AX	R146	Auto-A
330	126498	1.0	RES,TF,2.7K,1/10W,F,2012	R147	Auto-SMD

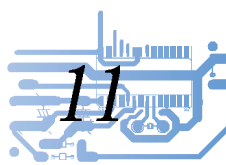


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No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
331	125874	1.0	RES,MF,33K,1/8W,1%,2012,TA	R148	Auto-SMD
332	125876	1.0	RES,MF,2.4K,1/8W,1%,2012,TA	R149	Auto-SMD
333	119502	1.0	RES,TF,220K,1/10W,5%,2012	R151	Auto-SMD
334	119502	1.0	RES,TF,220K,1/10W,5%,2012	R152	Auto-SMD
335	126331	1.0	RES,MO,20K,2W,J,RA	R153	Auto-R
336	104537	1.0	RES,MF,10K,2W,5%,RA R,TA	R154	Auto-R
337	119362	1.0	RES,TF,1K,1/10W,5%,2012	R316	Auto-SMD
338	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R317	Auto-SMD
339	119405	1.0	RES,TF,120K,1/10W,5%,2012	R318	Auto-SMD
340	119620	1.0	RES,TF,470,1/10W,5%,2012	R319	Auto-SMD
341	119370	1.0	RES,TF,100K,1/10W,5%,2012	R320	Auto-SMD
342	119405	1.0	RES,TF,120K,1/10W,5%,2012	R321	Auto-SMD
343	119707	1.0	RES,TF,6.8K,1/10W,5%,2012	R322	Auto-SMD
344	119405	1.0	RES,TF,120K,1/10W,5%,2012	R323	Auto-SMD
345	119707	1.0	RES,TF,6.8K,1/10W,5%,2012	R324	Auto-SMD
346	119428	1.0	RES,TF,15K,1/10W,5%,2012	R325	Auto-SMD
347	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R326	Auto-SMD
348	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R327	Auto-SMD
349	119517	1.0	RES,TF,24K,1/10W,5%,2012	R328	Auto-SMD
350	119608	1.0	RES,TF,39K,1/10W,5%,2012	R329	Auto-SMD
351	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R331	Auto-SMD
352	119499	1.0	RES,TF,22K,1/10W,5%,2012	R333	Auto-SMD
353	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R334	Auto-SMD
354	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R335	Auto-SMD
355	119367	1.0	RES,TF,10K,1/10W,5%,2012	R336	Auto-SMD
356	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R337	Auto-SMD
357	119367	1.0	RES,TF,10K,1/10W,5%,2012	R338	Auto-SMD
358	119630	1.0	RES,TF,47K,1/10W,5%,2012	R339	Auto-SMD
359	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R340	Auto-SMD
360	119630	1.0	RES,TF,47K,1/10W,5%,2012	R341	Auto-SMD
361	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R342	Auto-SMD
362	119367	1.0	RES,TF,10K,1/10W,5%,2012	R343	Auto-SMD
363	119531	1.0	RES,TF,27K,1/10W,5%,2012	R344	Auto-SMD
364	119499	1.0	RES,TF,22K,1/10W,5%,2012	R345	Auto-SMD
365	119367	1.0	RES,TF,10K,1/10W,5%,2012	R346	Auto-SMD
366	119499	1.0	RES,TF,22K,1/10W,5%,2012	R347	Auto-SMD
367	119502	1.0	RES,TF,220K,1/10W,5%,2012	R348	Auto-SMD
368	119499	1.0	RES,TF,22K,1/10W,5%,2012	R349	Auto-SMD
369	119367	1.0	RES,TF,10K,1/10W,5%,2012	R350	Auto-SMD
370	119412	1.0	RES TF 13K 1/10W 2012J	R351	Auto-SMD
371	119367	1.0	RES,TF,10K,1/10W,5%,2012	R352	Auto-SMD
372	119573	1.0	RES,TF,330,1/10W,5%,2012	R353	Auto-SMD
373	119401	1.0	RES,TF,12K,1/10W,5%,2012	R354	Auto-SMD
374	119401	1.0	RES,TF,12K,1/10W,5%,2012	R355	Auto-SMD
375	119401	1.0	RES,TF,12K,1/10W,5%,2012	R356	Auto-SMD
376	119401	1.0	RES,TF,12K,1/10W,5%,2012	R357	Auto-SMD
377	119548	1.0	RES,TF,3K,1/10W,5%,2012	R358	Auto-SMD
378	119617	1.0	RES,TF,47,1/10W,5%,2012	R359	Auto-SMD
379	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R360	Auto-SMD
380	119617	1.0	RES,TF,47,1/10W,5%,2012	R361	Auto-SMD
381	119401	1.0	RES,TF,12K,1/10W,5%,2012	R362	Auto-SMD
382	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R363	Auto-SMD
383	119401	1.0	RES,TF,12K,1/10W,5%,2012	R364	Auto-SMD
384	119367	1.0	RES,TF,10K,1/10W,5%,2012	R365	Auto-SMD
385	119367	1.0	RES,TF,10K,1/10W,5%,2012	R366	Auto-SMD
386	119645	1.0	RES,TF,4R7,1/10W,5%,2012	R371	Auto-SMD
387	119645	1.0	RES,TF,4R7,1/10W,5%,2012	R372	Auto-SMD

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No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
388	119732	1.0	RES TF 7.5K J 1/10W 2012	R400	Auto-SMD
389	119590	1.0	RES TF 3.6K 1/10W (2012)	R401	Auto-SMD
390	119590	1.0	RES TF 3.6K 1/10W (2012)	R402	Auto-SMD
391	119462	1.0	RES,TF,18K,1/10W,5%,2012	R403	Auto-SMD
392	119939	1.0	RES,MF,1.1K,1/8W,1%,2012,TA	R404	Auto-SMD
393	119576	1.0	RES,TF,3.3K,1/10W,5%,2012	R405	Auto-SMD
394	119620	1.0	RES,TF,470,1/10W,5%,2012	R406	Auto-SMD
395	126120	1.0	RES,TF,3.3K,1%,2012	R407	Auto-SMD
396	119707	1.0	RES,TF,6.8K,1/10W,5%,2012	R408	Auto-SMD
397	126120	1.0	RES,TF,3.3K,1%,2012	R409	Auto-SMD
398	119947	1.0	RES MF 2.4K J 2012	R410	Auto-SMD
399	119947	1.0	RES MF 2.4K J 2012	R411	Auto-SMD
400	119510	1.0	RES,TF,2.2,1/10W,5%,2012	R412	Auto-SMD
401	119510	1.0	RES,TF,2.2,1/10W,5%,2012	R413	Auto-SMD
402	119497	1.0	RES,TF,2.2K,1/10W,5%,2012	R414	Auto-SMD
403	119497	1.0	RES,TF,2.2K,1/10W,5%,2012	R415	Auto-SMD
404	119613	1.0	RES,TF,390K,1/10W,5%,2012	R416	Auto-SMD
405	119630	1.0	RES,TF,47K,1/10W,5%,2012	R417	Auto-SMD
406	119428	1.0	RES,TF,15K,1/10W,5%,2012	R418	Auto-SMD
407	119428	1.0	RES,TF,15K,1/10W,5%,2012	R419	Auto-SMD
408	119510	1.0	RES,TF,2.2,1/10W,5%,2012	R420	Auto-SMD
409	119510	1.0	RES,TF,2.2,1/10W,5%,2012	R421	Auto-SMD
410	119362	1.0	RES,TF,1K,1/10W,5%,2012	R422	Auto-SMD
411	119362	1.0	RES,TF,1K,1/10W,5%,2012	R423	Auto-SMD
412	119487	1.0	RES TF 22Ω 1/10W 2012J	R425	Auto-SMD
413	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R426	Auto-SMD
414	125869	1.0	RELAY,DPST,24V,881-2CH-C	RLY200	B'D-IN
415	105338	1.0	RES SEMI FT-63 TS (500)	SVR400	Auto-R
416	105341	1.0	RES SEMI FT-63 TS (5K)	SVR410	Auto-R
417	112092	1.0	SW,PUSH,HOR,DPDT,NS,1U,L13	SW200	B'D-IN
418	125910	1.0	TRANS,FLYBACK,78V,100V-T102,DPA-430H	T102	B'D-IN
419	125911	1.0	TRANS,FLYBACK,78V,100V-T103,DPA-430H	T103	B'D-IN
420	106871	1.0	TERMINAL,PIN,TEST,2.5MM,TP-00325,TA	TP200	Auto-R
421	106871	1.0	TERMINAL,PIN,TEST,2.5MM,TP-00325,TA	TP204	Auto-R
422	126533	1.0	VR,ROT,HOR,2U,L20,10KB	VR200	B'D-IN
423	125909	1.0	DIODE,SF10LC40,400V,10A,FTO-220	D115	B'D-IN
424	125871	1.0	DIODE,ES2D,DO-214AA,TA	D116	Auto-SMD
425	125871	1.0	DIODE,ES2D,DO-214AA,TA	D117	Auto-SMD
426	102701	1.0	DIODE,SW,1A,1000V,UF4007,VISHAY	D118	Auto-A
427	125909	1.0	DIODE,SF10LC40,400V,10A,FTO-220	D119	B'D-IN
428	125871	1.0	DIODE,ES2D,DO-214AA,TA	D120	Auto-SMD
429	125871	1.0	DIODE,ES2D,DO-214AA,TA	D121	Auto-SMD
430	119171	1.0	DIODE,SW,200MA,100V,MMBD4148,SOT-23,TA	D200	Auto-SMD
431	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D201	Auto-A
432	119190	1.0	DIODE,SW,0.2A,200V,BAS21,SOT-23	D202	Auto-SMD
433	119190	1.0	DIODE,SW,0.2A,200V,BAS21,SOT-23	D203	Auto-SMD
434	119203	1.0	DIODE,SW,1A,600V,MURS120TS,DO-214AA,TA	D206	Auto-SMD
435	119203	1.0	DIODE,SW,1A,600V,MURS120TS,DO-214AA,TA	D207	Auto-SMD
436	119171	1.0	DIODE,SW,200MA,100V,MMBD4148,SOT-23,TA	D208	Auto-SMD
437	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D209	Auto-A
438	119190	1.0	DIODE,SW,0.2A,200V,BAS21,SOT-23	D210	Auto-SMD
439	119190	1.0	DIODE,SW,0.2A,200V,BAS21,SOT-23	D211	Auto-SMD
440	119203	1.0	DIODE,SW,1A,600V,MURS120TS,DO-214AA,TA	D214	Auto-SMD
441	119203	1.0	DIODE,SW,1A,600V,MURS120TS,DO-214AA,TA	D215	Auto-SMD
442	119171	1.0	DIODE,SW,200MA,100V,MMBD4148,SOT-23,TA	D216	Auto-SMD
443	119171	1.0	DIODE,SW,200MA,100V,MMBD4148,SOT-23,TA	D217	Auto-SMD
444	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D218	Auto-A



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No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
445	119171	1.0	DIODE,SW,200MA,100V,MMBD4148,SOT-23,TA	D219	Auto-SMD
446	119194	1.0	DIODE,SW,100MA,80V,KDS184,SOT-23,TA	D220	Auto-SMD
447	119194	1.0	DIODE,SW,100MA,80V,KDS184,SOT-23,TA	D221	Auto-SMD
448	119194	1.0	DIODE,SW,100MA,80V,KDS184,SOT-23,TA	D224	Auto-SMD
449	119194	1.0	DIODE,SW,100MA,80V,KDS184,SOT-23,TA	D226	Auto-SMD
450	119171	1.0	DIODE,SW,200MA,100V,MMBD4148,SOT-23,TA	D227	Auto-SMD
451	119194	1.0	DIODE,SW,100MA,80V,KDS184,SOT-23,TA	D228	Auto-SMD
452	119190	1.0	DIODE,SW,0.2A,200V,BAS21,SOT-23	D229	Auto-SMD
453	119190	1.0	DIODE,SW,0.2A,200V,BAS21,SOT-23	D230	Auto-SMD
454	119196	1.0	DIODE,SW,150MA,70V,BAV99,SOT-23,TA	D400	Auto-SMD
455	125853	1.0	DIODE,ZENER,MMSZ5250B,SOD-123,TA	DZ100	Auto-SMD
456	125854	1.0	DIODE,ZENER,MMSZ5245B,SOD-123,TA	DZ101	Auto-SMD
457	125853	1.0	DIODE,ZENER,MMSZ5250B,SOD-123,TA	DZ102	Auto-SMD
458	125854	1.0	DIODE,ZENER,MMSZ5245B,SOD-123,TA	DZ103	Auto-SMD
459	102748	1.0	DIODE,ZN,500MW,BM,24V,DO-35,TA	DZ104	Auto-A
460	125908	1.0	DIODE,ZN,1N4752A,33V,1W,DO-41	DZ105	Auto-A
461	125908	1.0	DIODE,ZN,1N4752A,33V,1W,DO-41	DZ106	Auto-A
462	102748	1.0	DIODE,ZN,500MW,BM,24V,DO-35,TA	DZ107	Auto-A
463	125855	1.0	DIODE,ZENER,MMSZ5240B,SOD-123,TA	DZ200	Auto-SMD
464	125855	1.0	DIODE,ZENER,MMSZ5240B,SOD-123,TA	DZ202	Auto-SMD
465	125856	1.0	DIODE,ZENER,MMSZ5254B,SOD-123,TA	DZ203	Auto-SMD
466	125856	1.0	DIODE,ZENER,MMSZ5254B,SOD-123,TA	DZ204	Auto-SMD
467	126612	1.0	DIODE,ZENER,MMSZ5231B,SOD-123,TA	DZ205	Auto-SMD
468	106885	1.0	GND TERMINAL (POWER B'D)	GND200	B'D-IN
469	126035	1.0	HEAT SINK(B)_DPA-430H_75A0001000	HS101	B'D-IN
470	126035	1.0	HEAT SINK(B)_DPA-430H_75A0001000	HS102	B'D-IN
471	126035	1.0	HEAT SINK(B)_DPA-430H_75A0001000	HS103	B'D-IN
472	126035	1.0	HEAT SINK(B)_DPA-430H_75A0001000	HS104	B'D-IN
473	126034	1.0	HEAT SINK(A)_DPA-430H_75A0000900	HS200	B'D-IN
474	126036	1.0	HEAT SINK(C)_DPA-430H_75A0001300	HS201	B'D-IN
475	125859	1.0	IC, NCP1216AD65R2G,SOIC-8	IC100	Auto-SMD
476	118872	1.0	PHOTOCOUPLER,1U,LTV-817B	IC101	Auto-SMD
477	125859	1.0	IC, NCP1216AD65R2G,SOIC-8	IC102	Auto-SMD
478	118872	1.0	PHOTOCOUPLER,1U,LTV-817B	IC103	Auto-SMD
479	125843	1.0	IC,KIA431AF-RTF/P,SOT-23,BOX	IC104	Auto-SMD
480	102827	1.0	IC VOLT REG 15V 7815 TO-220IS	IC105	B'D-IN
481	102839	1.0	IC VOLT REG 15V 7915 TO-220IS	IC106	B'D-IN
482	125843	1.0	IC,KIA431AF-RTF/P,SOT-23,BOX	IC107	Auto-SMD
483	102826	1.0	IC,VOLT REG,12V,7812,TO-220IS	IC108	B'D-IN
484	118717	1.0	IC,OP AMP,NE5532A,SOP8	IC200	Auto-SMD
485	118716	1.0	IC,OP AMP,BA4558F,SOP8	IC201	Auto-SMD
486	118716	1.0	IC,OP AMP,BA4558F,SOP8	IC202	Auto-SMD
487	118724	1.0	IC,VOLT REG,5V,1A,7805,DPAK	IC203	Auto-SMD
488	125845	1.0	ICKIC7SZ08FU,USV,BOX	IC204	Auto-SMD
489	125844	1.0	IC,KIC7S04FU,USV,BOX	IC205	Auto-SMD
490	125842	1.0	IC,IRS20957STRPBF,SOP16P,REEL	IC206	Auto-SMD
491	125842	1.0	IC,IRS20957STRPBF,SOP16P,REEL	IC207	Auto-SMD
492	126674	1.0	IC,KIC7S08FU,2-INPUT AND GATE,USV	IC209	Auto-SMD
493	118924	1.0	IC,INVERTER,KIC7S04FU,USV	IC210	Auto-SMD
494	126674	1.0	IC,KIC7S08FU,2-INPUT AND GATE,USV	IC211	Auto-SMD
495	126674	1.0	IC,KIC7S08FU,2-INPUT AND GATE,USV	IC212	Auto-SMD
496	118924	1.0	IC,INVERTER,KIC7S04FU,USV	IC213	Auto-SMD
497	118924	1.0	IC,INVERTER,KIC7S04FU,USV	IC214	Auto-SMD
498	125862	1.0	IC,LM26CIM5-RPA,SOT-23	IC216	Auto-SMD
499	125863	1.0	IC,LM26CIM5-VHA,SOT-23	IC217	Auto-SMD
500	118717	1.0	IC,OP AMP,NE5532A,SOP8	IC400	Auto-SMD
501	125860	1.0	IC,LT1224,SOIC-8	IC401	Auto-SMD

ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
502	125845	1.0	ICKIC7SZ08FU,USV,BOX	IC402	Auto-SMD
503	118979	1.0	IC,VOLT REG,5V,100MA,SOT-89,KIC78L05	IC403	Auto-SMD
504	102394	1.0	JUMP WIRE(0.5/52M/M)	J100	Auto-A
505	102394	1.0	JUMP WIRE(0.5/52M/M)	J101	Auto-A
506	125196	1.0	COIL,47UH,0.95A,TA	L100	B'D-IN
507	125196	1.0	COIL,47UH,0.95A,TA	L101	B'D-IN
508	103528	1.0	INDUCTOR,BEAD	BD200	Auto-A
509	103528	1.0	INDUCTOR,BEAD	BD201	Auto-A
510	103528	1.0	INDUCTOR,BEAD	BD202	Auto-A
511	103528	1.0	INDUCTOR,BEAD	BD203	Auto-A
512	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C1	Auto-SMD
513	125729	1.0	CAP,E,105°C,180UF,450V,M,35X25	C2	B'D-IN
514	126223	1.0	CAP,FILM,0.01UF,400V,J,RA	C108	Auto-R
515	120417	1.0	CAP,CE,MONO,X7R,0.01UF,50V,K,2012,TA	C109	Auto-SMD
516	120235	1.0	CAP CE C 1000PF 50V J 0805(2012)	C110	Auto-SMD
517	125846	1.0	CAP,E,47UF,50V,105C,NXB,TA	C111	Auto-R
518	120417	1.0	CAP,CE,MONO,X7R,0.01UF,50V,K,2012,TA	C112	Auto-SMD
519	125848	1.0	CAP,E,100UF,50V,105C,NXB,TA	C113	Auto-R
520	105922	1.0	CAP,FILM,M-POLYESTR,SM,0.01UF,100V,K,TA	C114	Auto-R
521	120417	1.0	CAP,CE,MONO,X7R,0.01UF,50V,K,2012,TA	C115	Auto-SMD
522	120235	1.0	CAP CE C 1000PF 50V J 0805(2012)	C116	Auto-SMD
523	125846	1.0	CAP,E,47UF,50V,105C,NXB,TA	C117	Auto-R
524	120417	1.0	CAP,CE,MONO,X7R,0.01UF,50V,K,2012,TA	C118	Auto-SMD
525	125848	1.0	CAP,E,100UF,50V,105C,NXB,TA	C119	Auto-R
526	105922	1.0	CAP,FILM,M-POLYESTR,SM,0.01UF,100V,K,TA	C120	Auto-R
527	126223	1.0	CAP,FILM,0.01UF,400V,J,RA	C121	Auto-R
528	125720	1.0	CAP,CE,AC,Y1/X1,2200PF,400VAC,M,RA,TA	C122	B'D-IN
529	125847	1.0	CAP,E,1UF,100V,105C,NXA,TA	C124	Auto-R
530	125719	1.0	CAP,CE,HI-DI,Y5P,1000PF,1KV,K,RA,TA	C125	Auto-R
531	125850	1.0	CAP,E,330UF,100V,105C,NXA,TA	C126	B'D-IN
532	125850	1.0	CAP,E,330UF,100V,105C,NXA,TA	C127	B'D-IN
533	120315	1.0	CAP,CE,MONO,X7R,0.47UF,50V,Z,2012,TA	C128	Auto-SMD
534	120251	1.0	CAP,CE,MONO,X7R,1UF,50V,Z,2012,TA	C129	Auto-SMD
535	125852	1.0	CAP,E,220UF,35V,105C,NXH,TA	C130	Auto-R
536	125852	1.0	CAP,E,220UF,35V,105C,NXH,TA	C131	Auto-R
537	125852	1.0	CAP,E,220UF,35V,105C,NXH,TA	C132	Auto-R
538	125852	1.0	CAP,E,220UF,35V,105C,NXH,TA	C133	Auto-R
539	125847	1.0	CAP,E,1UF,100V,105C,NXA,TA	C134	Auto-R
540	125850	1.0	CAP,E,330UF,100V,105C,NXA,TA	C135	B'D-IN
541	125850	1.0	CAP,E,330UF,100V,105C,NXA,TA	C136	B'D-IN
542	120315	1.0	CAP,CE,MONO,X7R,0.47UF,50V,Z,2012,TA	C137	Auto-SMD
543	120251	1.0	CAP,CE,MONO,X7R,1UF,50V,Z,2012,TA	C138	Auto-SMD
544	125719	1.0	CAP,CE,HI-DI,Y5P,1000PF,1KV,K,RA,TA	C139	Auto-R
545	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C140	Auto-R
546	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C141	Auto-R
547	125848	1.0	CAP,E,100UF,50V,105C,NXB,TA	C142	Auto-R
548	125848	1.0	CAP,E,100UF,50V,105C,NXB,TA	C143	Auto-R
549	125719	1.0	CAP,CE,HI-DI,Y5P,1000PF,1KV,K,RA,TA	C144	Auto-R
550	105548	1.0	CAP,E,SM,RG,105C,4.7UF,50V,M,5X11,TA	C200	Auto-R
551	126383	1.0	CAP,FILM,M-POLYESTR,0.0027UF,100V,J,TA	C203	Auto-R
552	126383	1.0	CAP,FILM,M-POLYESTR,0.0027UF,100V,J,TA	C204	Auto-R
553	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C206	Auto-R
554	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C207	Auto-R
555	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C208	Auto-R
556	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C209	Auto-R
557	105508	1.0	CAP,E,SM,RG,105C,47UF,25V,M,5X11,TA	C210	Auto-R
558	105409	1.0	CAP,E,SM,RG,105C,1UF,50V,M,5X11,TA	C211	Auto-R

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No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
559	120391	1.0	CAP,CE,MONO,COG,470PF,50V,J,2012,TA	C212	Auto-SMD
560	105409	1.0	CAP,E,SM,RG,105C,1UF,50V,M,5X11,TA	C213	Auto-R
561	105409	1.0	CAP,E,SM,RG,105C,1UF,50V,M,5X11,TA	C214	Auto-R
562	125904	1.0	CAP,E,4.7UF,50V,105C,HXB,TA	C215	Auto-R
563	125904	1.0	CAP,E,4.7UF,50V,105C,HXB,TA	C216	Auto-R
564	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C219	Auto-SMD
565	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C220	Auto-SMD
566	104607	1.0	RES,MF,2.2,2W,5%,RA R,TA	R150	Auto-R
567	129521	1.0	CAP,CE,2200PF,10%,1KV	C6	B'D-IN
PCB ASS'Y, CNT, DPA-130DC/230DC, COM					
1	113528	1.0	BRACKET PCB PS-A152	BK200	B'D-IN
2	113528	1.0	BRACKET PCB PS-A152	BK202	B'D-IN
3	113528	1.0	BRACKET PCB PS-A152	BK204	B'D-IN
4	125865	1.0	CON WAFER,BD TO BD(F),08P,2MM,AN	CN203	B'D-IN
5	128376	1.0	PCB,FR4,1.6T,380X247,CNT,DPA-130230_DC		B'D-IN
6	110492	1.0	WAFER,B2P-VH(LF)(SN),JST,ROHS	CP212	B'D-IN
7	111335	1.0	WAFER (53014-0710)	CP213	B'D-IN
8	111332	1.0	CON WAFER,BOX(M),4P,ST,2MM	CP216	B'D-IN
9	125865	1.0	CON WAFER,BD TO BD(F),08P,2MM,AN	CN2033	B'D-IN
10	112092	1.0	SW,PUSH,HOR,DPDT,NS,1U,L13	SW202	B'D-IN
11	125864	1.0	CON WAFER,BD TO BD(M),08P,2MM,ST	CP517	B'D-IN
12	111335	1.0	WAFER (53014-0710)	CP2133	B'D-IN
13	110950	1.0	CON WAFER,BD TO BD(M),5P,2MM,AN	CN2066	B'D-IN
14	110950	1.0	CON WAFER,BD TO BD(M),5P,2MM,AN	CN2077	B'D-IN
15	110950	1.0	CON WAFER,BD TO BD(M),5P,2MM,AN	CN2055	B'D-IN
16	110492	1.0	WAFER,B2P-VH(LF)(SN),JST,ROHS	CP2122	B'D-IN
17	110950	1.0	CON WAFER,BD TO BD(M),5P,2MM,AN	CN205	B'D-IN
18	110950	1.0	CON WAFER,BD TO BD(M),5P,2MM,AN	CN206	B'D-IN
19	110950	1.0	CON WAFER,BD TO BD(M),5P,2MM,AN	CN207	B'D-IN
20	110952	1.0	CON WAFER,BD TO BD(M),13P,2MM,AN	CN204	B'D-IN
21	110952	1.0	CON WAFER,BD TO BD(M),13P,2MM,AN	CN2044	B'D-IN
PCB ASS'Y, REAR, DPA-230DC					
1	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q7	Auto-SMD
2	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q8	Auto-SMD
3	118656	1.0	TR,SW,PNP,-100MA,-50V,KRA107S,SOT-23,TA	Q9	Auto-SMD
4	118640	1.0	TR,NPN,KRC107S,SOT23	Q12	Auto-SMD
5	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q13	Auto-SMD
6	118640	1.0	TR,NPN,KRC107S,SOT23	Q14	Auto-SMD
7	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q15	Auto-SMD
8	118640	1.0	TR,NPN,KRC107S,SOT23	Q16	Auto-SMD
9	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q17	Auto-SMD
10	118640	1.0	TR,NPN,KRC107S,SOT23	Q18	Auto-SMD
11	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q19	Auto-SMD
12	102612	1.0	TR,PW,NPN,1A,160V,KTC3228,TO-92L	Q500	Auto-R
13	102578	1.0	TR,PW,NPN,3A,60V,KTD2058,TO-220AB	Q507	B'D-IN
14	118640	1.0	TR,NPN,KRC107S,SOT23	Q508	Auto-SMD
15	118656	1.0	TR,SW,PNP,-100MA,-50V,KRA107S,SOT-23,TA	Q511	Auto-SMD
16	118640	1.0	TR,NPN,KRC107S,SOT23	Q512	Auto-SMD
17	119747	1.0	RES,TF,8.2K,1/10W,5%,2012	R9	Auto-SMD
18	119949	1.0	RES,MF,4.3K,1/8W,5%,2012,TA	R10	Auto-SMD
19	119949	1.0	RES,MF,4.3K,1/8W,5%,2012,TA	R11	Auto-SMD
20	119499	1.0	RES,TF,22K,1/10W,5%,2012	R12	Auto-SMD
21	119617	1.0	RES,TF,47,1/10W,5%,2012	R13	Auto-SMD
22	119617	1.0	RES,TF,47,1/10W,5%,2012	R14	Auto-SMD
23	119747	1.0	RES,TF,8.2K,1/10W,5%,2012	R23	Auto-SMD

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No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
24	119949	1.0	RES,MF,4.3K,1/8W,5%,2012,TA	R24	Auto-SMD
25	119949	1.0	RES,MF,4.3K,1/8W,5%,2012,TA	R25	Auto-SMD
26	119420	1.0	RES,TF,150,1/10W,5%,2012	R26	Auto-SMD
27	119617	1.0	RES,TF,47,1/10W,5%,2012	R27	Auto-SMD
28	119617	1.0	RES,TF,47,1/10W,5%,2012	R28	Auto-SMD
29	119401	1.0	RES,TF,12K,1/10W,5%,2012	R29	Auto-SMD
30	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R33	Auto-SMD
31	119367	1.0	RES,TF,10K,1/10W,5%,2012	R34	Auto-SMD
32	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C42	Auto-SMD
33	119401	1.0	RES,TF,12K,1/10W,5%,2012	R36	Auto-SMD
34	119393	1.0	RES,TF,120,1/10W,5%,2012	R37	Auto-SMD
35	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C43	Auto-SMD
36	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R42	Auto-SMD
37	119367	1.0	RES,TF,10K,1/10W,5%,2012	R43	Auto-SMD
38	119383	1.0	RES,TF,11K,1/10W,5%,2012	R44	Auto-SMD
39	119499	1.0	RES,TF,22K,1/10W,5%,2012	R45	Auto-SMD
40	104607	1.0	RES,MF,2.2,2W,5%,RA R,TA	R46	Auto-R
41	119499	1.0	RES,TF,22K,1/10W,5%,2012	R53	Auto-SMD
42	119428	1.0	RES,TF,15K,1/10W,5%,2012	R54	Auto-SMD
43	119499	1.0	RES,TF,22K,1/10W,5%,2012	R56	Auto-SMD
44	119353	1.0	RES,TF,100,1/10W,5%,2012	R57	Auto-SMD
45	119353	1.0	RES,TF,100,1/10W,5%,2012	R58	Auto-SMD
46	119353	1.0	RES,TF,100,1/10W,5%,2012	R59	Auto-SMD
47	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R60	Auto-SMD
48	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R61	Auto-SMD
49	119428	1.0	RES,TF,15K,1/10W,5%,2012	R62	Auto-SMD
50	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R64	Auto-SMD
51	104454	1.0	RES,MF,10,1W,5%,RA R	R508	Auto-R
52	119367	1.0	RES,TF,10K,1/10W,5%,2012	R509	Auto-SMD
53	119513	1.0	RES,TF,240,1/10W,5%,2012	R510	Auto-SMD
54	119462	1.0	RES,TF,18K,1/10W,5%,2012	R511	Auto-SMD
55	119462	1.0	RES,TF,18K,1/10W,5%,2012	R512	Auto-SMD
56	119462	1.0	RES,TF,18K,1/10W,5%,2012	R513	Auto-SMD
57	119462	1.0	RES,TF,18K,1/10W,5%,2012	R514	Auto-SMD
58	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R515	Auto-SMD
59	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R516	Auto-SMD
60	119367	1.0	RES,TF,10K,1/10W,5%,2012	R538	Auto-SMD
61	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R541	Auto-SMD
62	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R542	Auto-SMD
63	119367	1.0	RES,TF,10K,1/10W,5%,2012	R556	Auto-SMD
64	119367	1.0	RES,TF,10K,1/10W,5%,2012	R557	Auto-SMD
65	119573	1.0	RES,TF,330,1/10W,5%,2012	R563	Auto-SMD
66	119523	1.0	RES,TF,270,1/10W,5%,2012	R564	Auto-SMD
67	119645	1.0	RES,TF,4R7,1/10W,5%,2012	R579	Auto-SMD
68	119645	1.0	RES,TF,4R7,1/10W,5%,2012	R580	Auto-SMD
69	111251	1.0	CON WAFER,PIN(M),6P,2/ST	CP511	B'D-IN
70	119645	1.0	RES,TF,4R7,1/10W,5%,2012	R581	Auto-SMD
71	119645	1.0	RES,TF,4R7,1/10W,5%,2012	R582	Auto-SMD
72	104716	1.0	RES,CE,WW,10,5W,5%,RA R	R587	B'D-IN
73	125868	1.0	RELAY,SPST,24V,881H-1AH-C	RLY500	B'D-IN
74	125915	1.0	TRANS,PW,24V,100MA,DPA-430H	T500	B'D-IN
75	110851	1.0	TERMINAL,BLOCK(M),3P,5.08MM,AN	TER1	B'D-IN
76	110851	1.0	TERMINAL,BLOCK(M),3P,5.08MM,AN	TER2	B'D-IN
77	120469	1.0	X-TAL,8MHZ,30PPM,HC-49/S SMD 20PF	X500	Auto-SMD
78	103422	1.0	VARIST,INR14D361	ZNR500	B'D-IN
79	104453	1.0	RES,MF,750K,1/2W,5%,AX N	R560	B'D-IN
80	126700	1.0	CON ASS'Y,DS,1P,ST4.2,STRIP,120MM		B'D-IN

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No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
81	128396	1.0	CON ASS'Y,5P,50011,35023,26,170MM	AN101	B'D-IN
82	128396	1.0	CON ASS'Y,5P,50011,35023,26,170MM	AN1011	B'D-IN
83	119531	1.0	RES,TF,27K,1/10W,5%,2012	R63	Auto-SMD
84	119800	1.0	RES,TF,22.1K,1/10W,1%,2012	R17	Auto-SMD
85	119827	1.0	RES,TF,1K,1/10W,1%,2012	R15	Auto-SMD
86	119872	1.0	RES,TF,5.62K,1/10W,1%,2012	R19	Auto-SMD
87	119977	1.0	RES,MF,8.25K,1/8W,1%,2012,TA	R21	Auto-SMD
88	110492	1.0	WAFER,B2P-VH(LF)(SN),JST,ROHS	CP212	B'D-IN
89	111034	1.0	CON WAFER,LOCK(M),4P,AN,5.08MM,8981-4V	CP504	B'D-IN
90	111335	1.0	WAFER (53014-0710)	CP213	B'D-IN
91	111360	1.0	CON WAFER,BOX(M),5P,ST,2.5MM	CP101	B'D-IN
92	119401	1.0	RES,TF,12K,1/10W,5%,2012	R67	Auto-SMD
93	119580	1.0	RES,TF,33K,1/10W,5%,2012	R52	Auto-SMD
94	125875	1.0	RES,MF,1.8K,1/8W,1%,2012,TA	R31	Auto-SMD
95	119531	1.0	RES,TF,27K,1/10W,5%,2012	R47	Auto-SMD
96	119800	1.0	RES,TF,22.1K,1/10W,1%,2012	R4	Auto-SMD
97	119827	1.0	RES,TF,1K,1/10W,1%,2012	R2	Auto-SMD
98	119872	1.0	RES,TF,5.62K,1/10W,1%,2012	R6	Auto-SMD
99	119977	1.0	RES,MF,8.25K,1/8W,1%,2012,TA	R8	Auto-SMD
100	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C5	Auto-R
101	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C6	Auto-R
102	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C9	Auto-R
103	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C10	Auto-R
104	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C18	Auto-R
105	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C19	Auto-R
106	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C22	Auto-R
107	105421	1.0	CAP,E,SM,RG,105C,100UF,25V,M,6.3X11,TA	C23	Auto-R
108	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C37	Auto-SMD
109	110492	1.0	WAFER,B2P-VH(LF)(SN),JST,ROHS	CP2122	B'D-IN
110	111034	1.0	CON WAFER,LOCK(M),4P,AN,5.08MM,8981-4V	CP5044	B'D-IN
111	111335	1.0	WAFER (53014-0710)	CP2133	B'D-IN
112	111360	1.0	CON WAFER,BOX(M),5P,ST,2.5MM	CP1011	B'D-IN
113	119401	1.0	RES,TF,12K,1/10W,5%,2012	R70	Auto-SMD
114	119580	1.0	RES,TF,33K,1/10W,5%,2012	R55	Auto-SMD
115	125875	1.0	RES,MF,1.8K,1/8W,1%,2012,TA	R40	Auto-SMD
116	110850	1.0	TERMINAL,BLOCK(M),2P,5.08MM,AN	TER3	B'D-IN
117	110850	1.0	TERMINAL,BLOCK(M),2P,5.08MM,AN	TER4	B'D-IN
118	110850	1.0	TERMINAL,BLOCK(M),2P,5.08MM,AN	TER5	B'D-IN
119	126715	1.0	CAP,E,SM,RD,105_,10UF,50V,M,5*11,TA	C509	Auto-R
120	126715	1.0	CAP,E,SM,RD,105_,10UF,50V,M,5*11,TA	C507	Auto-R
121	126715	1.0	CAP,E,SM,RD,105_,10UF,50V,M,5*11,TA	C505	Auto-R
122	126715	1.0	CAP,E,SM,RD,105_,10UF,50V,M,5*11,TA	C517	Auto-R
123	126715	1.0	CAP,E,SM,RD,105_,10UF,50V,M,5*11,TA	C510	Auto-R
124	119531	1.0	RES,TF,27K,1/10W,5%,2012	R68	Auto-SMD
125	119800	1.0	RES,TF,22.1K,1/10W,1%,2012	R18	Auto-SMD
126	119827	1.0	RES,TF,1K,1/10W,1%,2012	R16	Auto-SMD
127	119872	1.0	RES,TF,5.62K,1/10W,1%,2012	R20	Auto-SMD
128	119977	1.0	RES,MF,8.25K,1/8W,1%,2012,TA	R22	Auto-SMD
129	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D7	Auto-A
130	105625	1.0	CAP,E,SM,RD,105C,2200UF,35V,M,16*25	C504	B'D-IN
131	111332	1.0	CON WAFER,BOX(M),4P,ST,2MM	CP216	B'D-IN
132	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q5	Auto-SMD
133	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R50	Auto-SMD
134	119476	1.0	RES,TF,20K,1/10W,5%,2012	R39	Auto-SMD
135	119499	1.0	RES,TF,22K,1/10W,5%,2012	R49	Auto-SMD
136	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R32	Auto-SMD
137	119804	1.0	RES,TF,24.9K,1/8W,1%,2012	R30	Auto-SMD

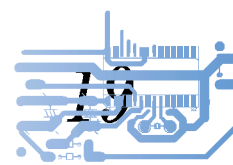
ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
138	119531	1.0	RES,TF,27K,1/10W,5%,2012	R38	Auto-SMD
139	119800	1.0	RES,TF,22.1K,1/10W,1%,2012	R3	Auto-SMD
140	119827	1.0	RES,TF,1K,1/10W,1%,2012	R1	Auto-SMD
141	119872	1.0	RES,TF,5.62K,1/10W,1%,2012	R5	Auto-SMD
142	119977	1.0	RES,MF,8.25K,1/8W,1%,2012,TA	R7	Auto-SMD
143	105354	1.0	CAP,E,SM,NXH,105C,47UF,50V,M,6.3X11,TA	C511	Auto-R
144	120419	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,1608,TA	C518	Auto-SMD
145	120267	1.0	CAP,CE,MONO,COG,20PF,50V,J,1610,TA	C519	Auto-SMD
146	120267	1.0	CAP,CE,MONO,COG,20PF,50V,J,1610,TA	C520	Auto-SMD
147	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C521	Auto-SMD
148	105409	1.0	CAP,E,SM,RG,105C,1UF,50V,M,5X11,TA	C522	Auto-R
149	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C523	Auto-SMD
150	105992	1.0	CAP,FILM,M-POLYPRPN,1UF,275V,K,PCX2337	C530	B'D-IN
151	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C531	Auto-SMD
152	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C532	Auto-SMD
153	126495	1.0	CAP,CE,1000PF,250V,J,2012	C546	Auto-SMD
154	126495	1.0	CAP,CE,1000PF,250V,J,2012	C547	Auto-SMD
155	126495	1.0	CAP,CE,1000PF,250V,J,2012	C550	Auto-SMD
156	126495	1.0	CAP,CE,1000PF,250V,J,2012	C551	Auto-SMD
157	126494	1.0	CAP,CE,10nF,250V,K,2012	C558	Auto-SMD
158	126494	1.0	CAP,CE,10nF,250V,K,2012	C559	Auto-SMD
159	126494	1.0	CAP,CE,10nF,250V,K,2012	C560	Auto-SMD
160	126494	1.0	CAP,CE,10nF,250V,K,2012	C561	Auto-SMD
161	126495	1.0	CAP,CE,1000PF,250V,J,2012	C566	Auto-SMD
162	126495	1.0	CAP,CE,1000PF,250V,J,2012	C567	Auto-SMD
163	126495	1.0	CAP,CE,1000PF,250V,J,2012	C568	Auto-SMD
164	126495	1.0	CAP,CE,1000PF,250V,J,2012	C569	Auto-SMD
165	125865	1.0	CON WAFER,BD TO BD(F),08P,2MM,AN	CN517	B'D-IN
166	111358	1.0	CON WAFER,BOX(M),3P,ST,2.5MM	CN502	B'D-IN
167	111358	1.0	CON WAFER,BOX(M),3P,ST,2.5MM	CN503	B'D-IN
168	119181	1.0	DIODE,S-SW,200MA,30V,BAT54S,SOT-23,TA	D1	Auto-SMD
169	119196	1.0	DIODE,SW,150MA,70V,BAV99,SOT-23,TA	D2	Auto-SMD
170	119181	1.0	DIODE,S-SW,200MA,30V,BAT54S,SOT-23,TA	D3	Auto-SMD
171	119196	1.0	DIODE,SW,150MA,70V,BAV99,SOT-23,TA	D4	Auto-SMD
172	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D5	Auto-A
173	119196	1.0	DIODE,SW,150MA,70V,BAV99,SOT-23,TA	D6	Auto-SMD
174	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D9	Auto-A
175	119196	1.0	DIODE,SW,150MA,70V,BAV99,SOT-23,TA	D11	Auto-SMD
176	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D12	Auto-A
177	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D13	Auto-A
178	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D502	Auto-A
179	102649	1.0	DIODE BRIDGE(KBP01G/KBP153G)	D503	B'D-IN
180	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D504	Auto-A
181	102687	1.0	DIODE,SW,100MA,75V,1N4148M,DO-34M,TA	D505	Auto-A
182	102687	1.0	DIODE,SW,100MA,75V,1N4148M,DO-34M,TA	D506	Auto-A
183	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D507	Auto-A
184	102659	1.0	DIODE,RE,1A,800V,1N4006,DO-41,TA	D508	Auto-A
185	119171	1.0	DIODE,SW,200MA,100V,MMD4148,SOT-23,TA	D513	Auto-SMD
186	119209	1.0	DIODE,ZN,500MW,BM,9.1V,TA	DZ1	Auto-SMD
187	102744	1.0	DIODE,ZN,500MW,BM,18V,DO-35,TA	DZ2	Auto-A
188	119209	1.0	DIODE,ZN,500MW,BM,9.1V,TA	DZ3	Auto-SMD
189	102741	1.0	DIODE,ZN,500MW,BM,15V,DO-35,TA	DZ520	Auto-A
190	111579	1.0	FUSE HOLDER 20MM	FH500	B'D-IN
191	111857	1.0	FUSE CLIP 5*20 PIN1.2MM	FH501	Auto-R
192	111857	1.0	FUSE CLIP 5*20 PIN1.2MM	FH502	Auto-R
193	106885	1.0	GND TERMINAL (POWER B'D)	GND2	B'D-IN
194	106885	1.0	GND TERMINAL (POWER B'D)	GND3	B'D-IN

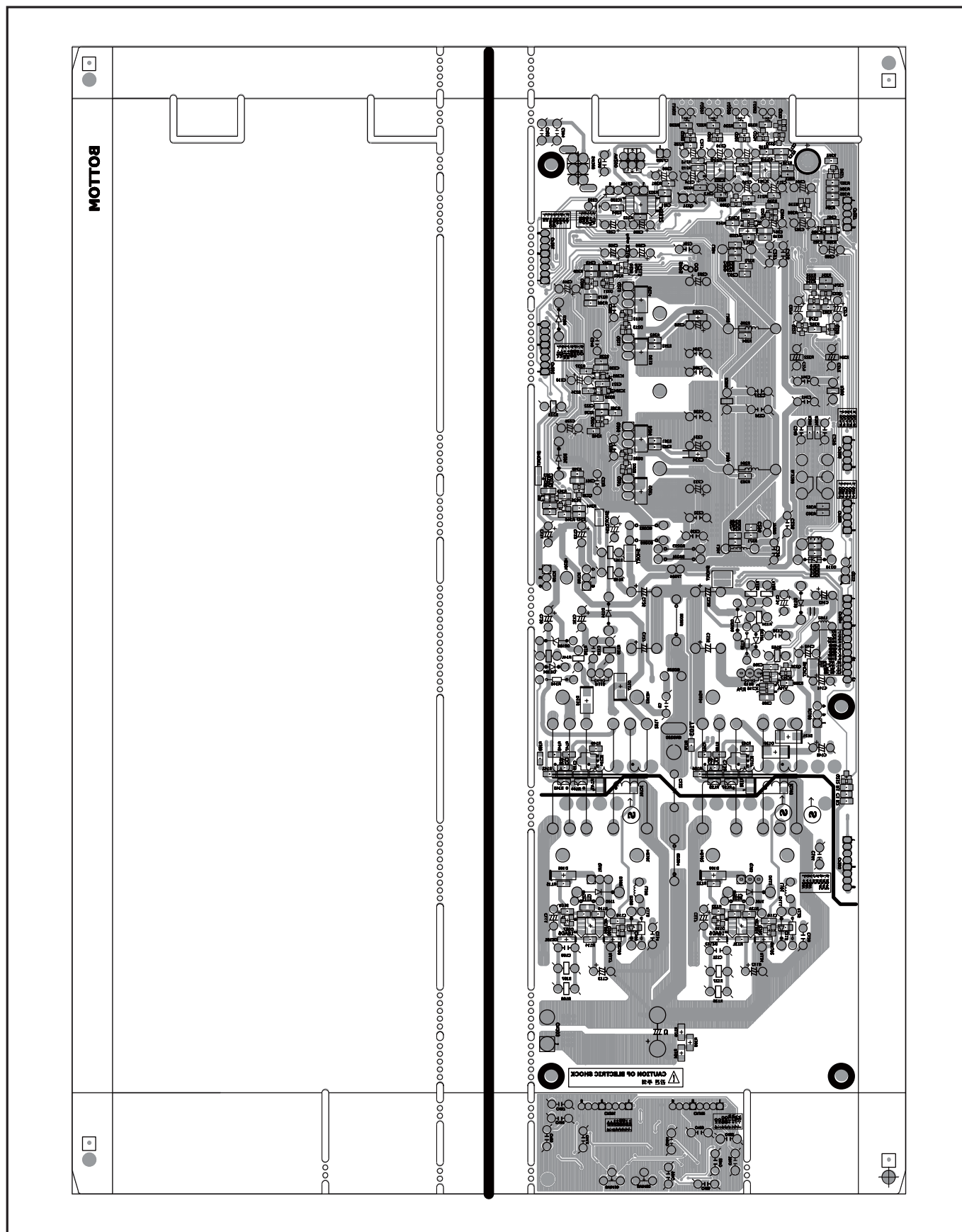
ELECTRICAL PARTS LIST

No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
195	118717	1.0	IC,OP AMP,NE5532A,SOP8	IC1	Auto-SMD
196	118717	1.0	IC,OP AMP,NE5532A,SOP8	IC2	Auto-SMD
197	103176	1.0	IC,VOLT REG,1.2V-57V,1.5A,LM317HV,TO-220	IC501	B'D-IN
198	118724	1.0	IC,VOLT REG,5V,1A,7805,DPAK	IC502	Auto-SMD
199	118737	1.0	IC,VOLTAGE DETECTOR,KIA7039AF,SOT89	IC505	Auto-SMD
200	118803	1.0	IC,MPU,ATMEGA8L,TQFP32	IC506	Auto-SMD
201	111590	1.0	TERMINAL,DC,2P,19MM,AN,V-0	JACK1	B'D-IN
202	111737	1.0	AC INLET,3P,250T	JK500	B'D-IN
203	125913	1.0	COIL,INDUCTOR,2.8UH,9A,TROIDAL	L500	B'D-IN
204	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R65	Auto-SMD
205	119499	1.0	RES,TF,22K,1/10W,5%,2012	R66	Auto-SMD
206	119499	1.0	RES,TF,22K,1/10W,5%,2012	R69	Auto-SMD
207	104716	1.0	RES,CE,WW,10,5W,5%,RA R	R502	B'D-IN
208	119645	1.0	RES,TF,4R7,1/10W,5%,2012	R503	Auto-SMD
209	119367	1.0	RES,TF,10K,1/10W,5%,2012	R504	Auto-SMD
210	119625	1.0	RES,TF,4.7K,1/10W,5%,2012	R505	Auto-SMD
211	104592	1.0	RES,MF,220,2W,5%,RA R,TA	R506	Auto-R
212	119334	1.0	RES,TF,0,1/10W,5%(J),2012	R507	Auto-SMD
213	128394	1.0	CON ASS'Y,3P,3960,5239,AWG22,280MM	AN5011	B'D-IN
214	128395	1.0	CON ASS'Y,3P,3960,5239,AWG22,90MM	AN501	B'D-IN
215	112092	1.0	SW,PUSH,HOR,DPDT,NS,1U,L13	SW200	B'D-IN
216	102394	1.0	JUMP WIRE(0.5/52M/M)	J1	Auto-A
217	102394	1.0	JUMP WIRE(0.5/52M/M)	J2	Auto-A
218	111857	1.0	FUSE CLIP 5*20 PIN1.2MM	FH1	Auto-R
219	111857	1.0	FUSE CLIP 5*20 PIN1.2MM	FH3	Auto-R
220	128433	1.0	PCB,FR4,1.6T,380X330,REAR,DPA-130_230DC		Auto-SMD
221	120444	1.0	CAP,CE,MONO,X7R,0.047UF,50V,K,2012,TA	C1	Auto-SMD
222	120391	1.0	CAP,CE,MONO,COG,470PF,50V,J,2012,TA	C3	Auto-SMD
223	120391	1.0	CAP,CE,MONO,COG,470PF,50V,J,2012,TA	C4	Auto-SMD
224	120352	1.0	CAP,CE,MONO,COG,100PF,50V,J,2012,TA	C7	Auto-SMD
225	120352	1.0	CAP,CE,MONO,COG,100PF,50V,J,2012,TA	C8	Auto-SMD
226	125968	1.0	CAP,FILM,M-POLYESTR,0.47UF,63V,J,TA	C11	Auto-R
227	105921	1.0	CAP,FILM,M-POLYESTR,SM,1000PF,100V,J,TA	C12	Auto-R
228	106003	1.0	CAP,FILM,M-POLYESTR,0.0022UF,100V,J	C13	Auto-R
229	120444	1.0	CAP,CE,MONO,X7R,0.047UF,50V,K,2012,TA	C14	Auto-SMD
230	120391	1.0	CAP,CE,MONO,COG,470PF,50V,J,2012,TA	C16	Auto-SMD
231	120391	1.0	CAP,CE,MONO,COG,470PF,50V,J,2012,TA	C17	Auto-SMD
232	120352	1.0	CAP,CE,MONO,COG,100PF,50V,J,2012,TA	C20	Auto-SMD
233	120352	1.0	CAP,CE,MONO,COG,100PF,50V,J,2012,TA	C21	Auto-SMD
234	125968	1.0	CAP,FILM,M-POLYESTR,0.47UF,63V,J,TA	C24	Auto-R
235	105921	1.0	CAP,FILM,M-POLYESTR,SM,1000PF,100V,J,TA	C25	Auto-R
236	106003	1.0	CAP,FILM,M-POLYESTR,0.0022UF,100V,J	C26	Auto-R
237	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C27	Auto-SMD
238	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C28	Auto-SMD
239	105409	1.0	CAP,E,SM,RG,105C,1UF,50V,M,5X11,TA	C29	Auto-R
240	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C30	Auto-SMD
241	105548	1.0	CAP,E,SM,RG,105C,4.7UF,50V,M,5X11,TA	C31	Auto-R
242	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C32	Auto-SMD
243	105548	1.0	CAP,E,SM,RG,105C,4.7UF,50V,M,5X11,TA	C34	Auto-R
244	105409	1.0	CAP,E,SM,RG,105C,1UF,50V,M,5X11,TA	C36	Auto-R
245	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C38	Auto-SMD
246	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C39	Auto-SMD
247	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C40	Auto-SMD
248	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C41	Auto-SMD
249	120352	1.0	CAP,CE,MONO,COG,100PF,50V,J,2012,TA	C53	Auto-SMD
250	120352	1.0	CAP,CE,MONO,COG,100PF,50V,J,2012,TA	C54	Auto-SMD
251	120352	1.0	CAP,CE,MONO,COG,100PF,50V,J,2012,TA	C55	Auto-SMD

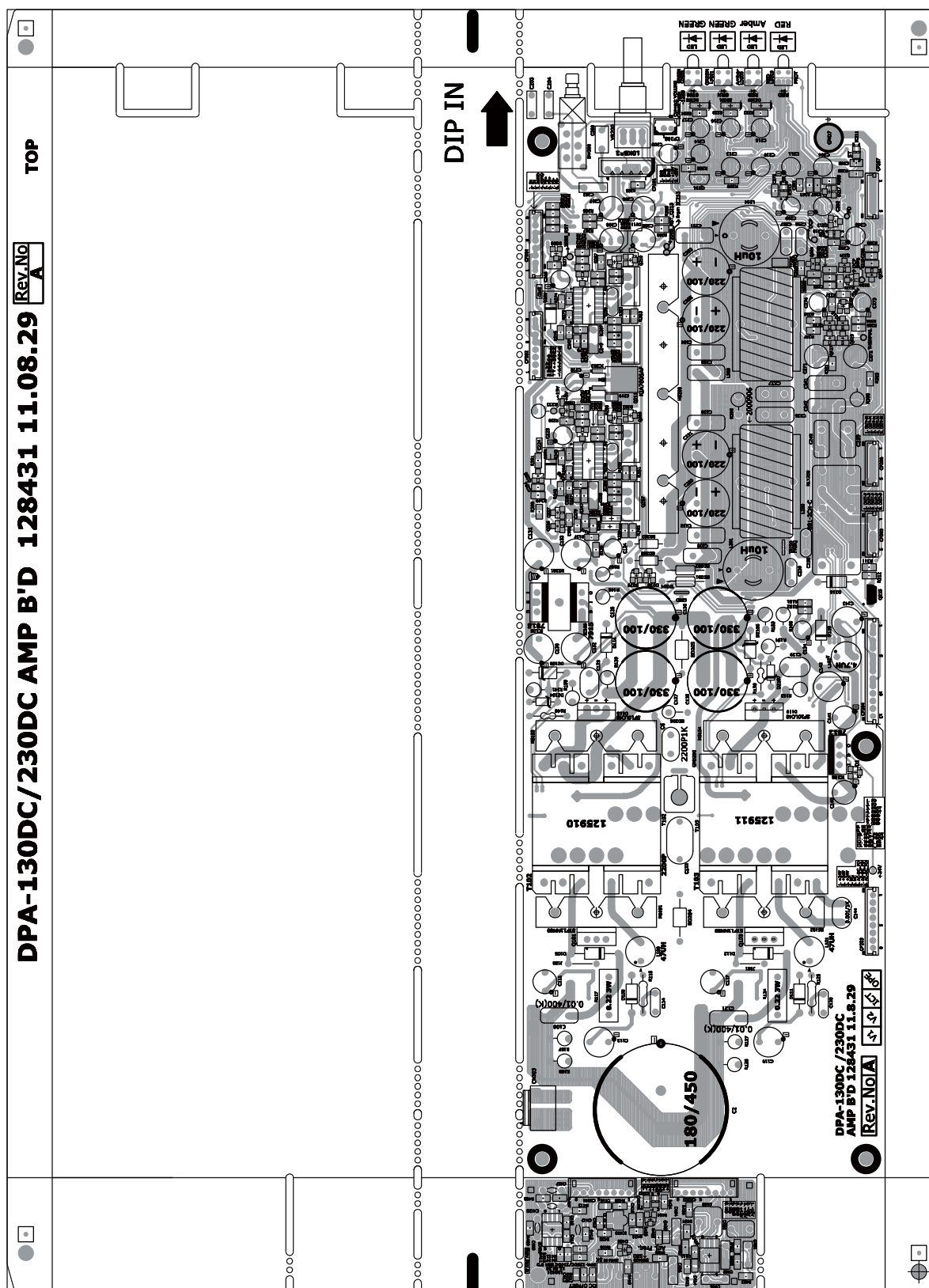
No.	Item No.	Q'ty	Part Name	Ref Des.	Seq No.
252	120352	1.0	CAP,CE,MONO,COG,100PF,50V,J,2012,TA	C56	Auto-SMD
253	120235	1.0	CAP CE C 1000PF 50V J 0805(2012)	C61	Auto-SMD
254	120235	1.0	CAP CE C 1000PF 50V J 0805(2012)	C62	Auto-SMD
255	125720	1.0	CAP,CE,AC,Y1/X1,2200PF,400VAC,M,RA,TA	C500	B'D-IN
256	125720	1.0	CAP,CE,AC,Y1/X1,2200PF,400VAC,M,RA,TA	C501	B'D-IN
257	105864	1.0	CAP,FILM,POLYESTR,0.047UF,100V,J,TA	C502	Auto-R
258	105864	1.0	CAP,FILM,POLYESTR,0.047UF,100V,J,TA	C503	Auto-R
259	120421	1.0	CAP,CE,MONO,X7R,0.1UF,50V,K,2012,TA	C506	Auto-SMD
260	122412	1.0	LED,ROUND3, GREEN/RED,BL-BVT201	LD500	B'D-IN
261	118663	1.0	TR,SG,PNP,200MA,40V,2N3906S,SOT-23,TA	Q1	Auto-SMD
262	118656	1.0	TR,SW,PNP,-100MA,-50V,KRA107S,SOT-23,TA	Q2	Auto-SMD
263	102578	1.0	TR,PW,NPN,3A,60V,KTD2058,TO-220AB	Q3	B'D-IN
264	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q4	Auto-SMD
265	118672	1.0	TR,SG,NPN,200MA,40V,MMBT3904,SOT-23,TA	Q6	Auto-SMD



TOP & BOTTOM VIEW OF P.C BOARD



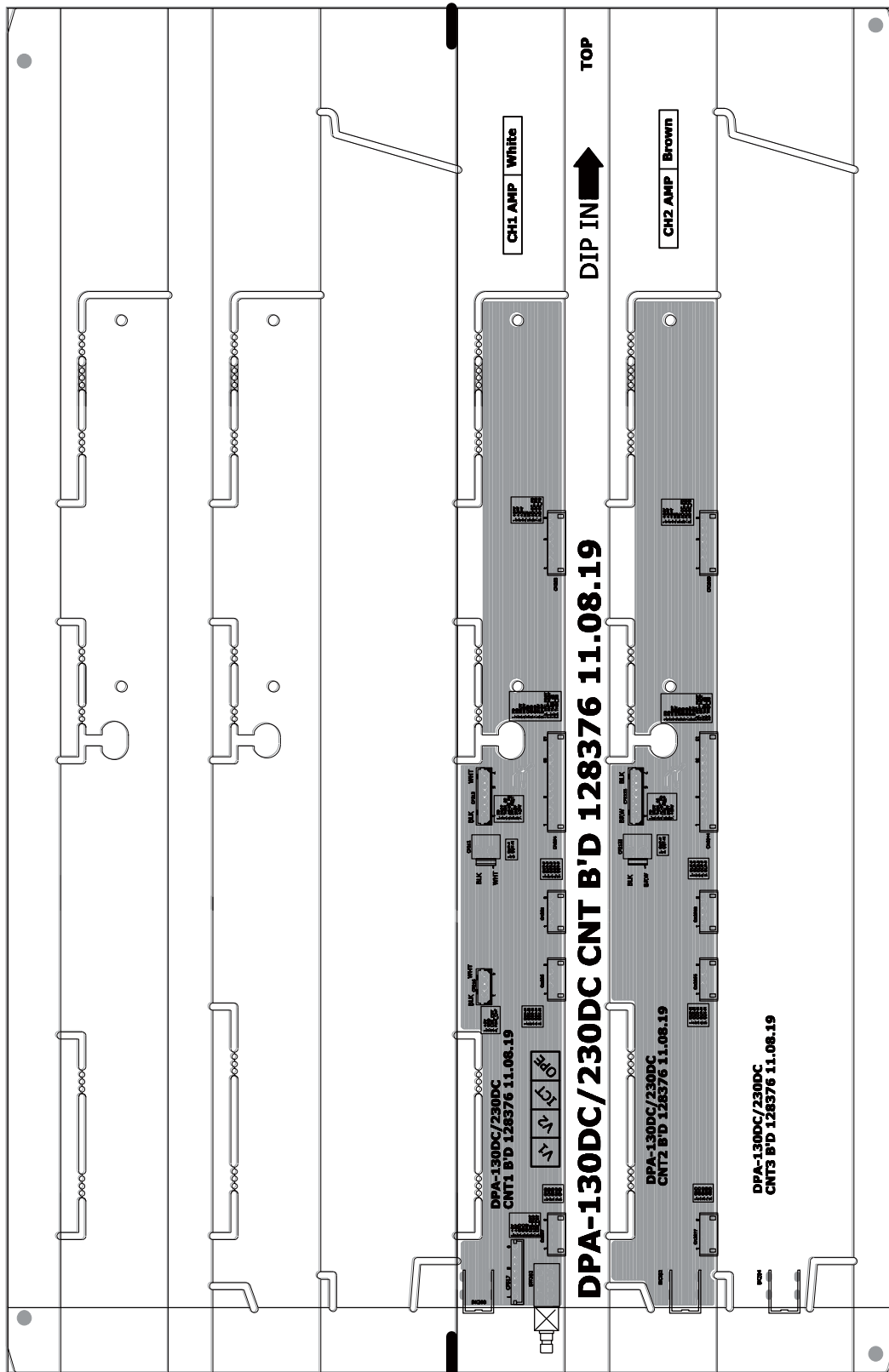
TOP & BOTTOM VIEW OF P.C BOARD



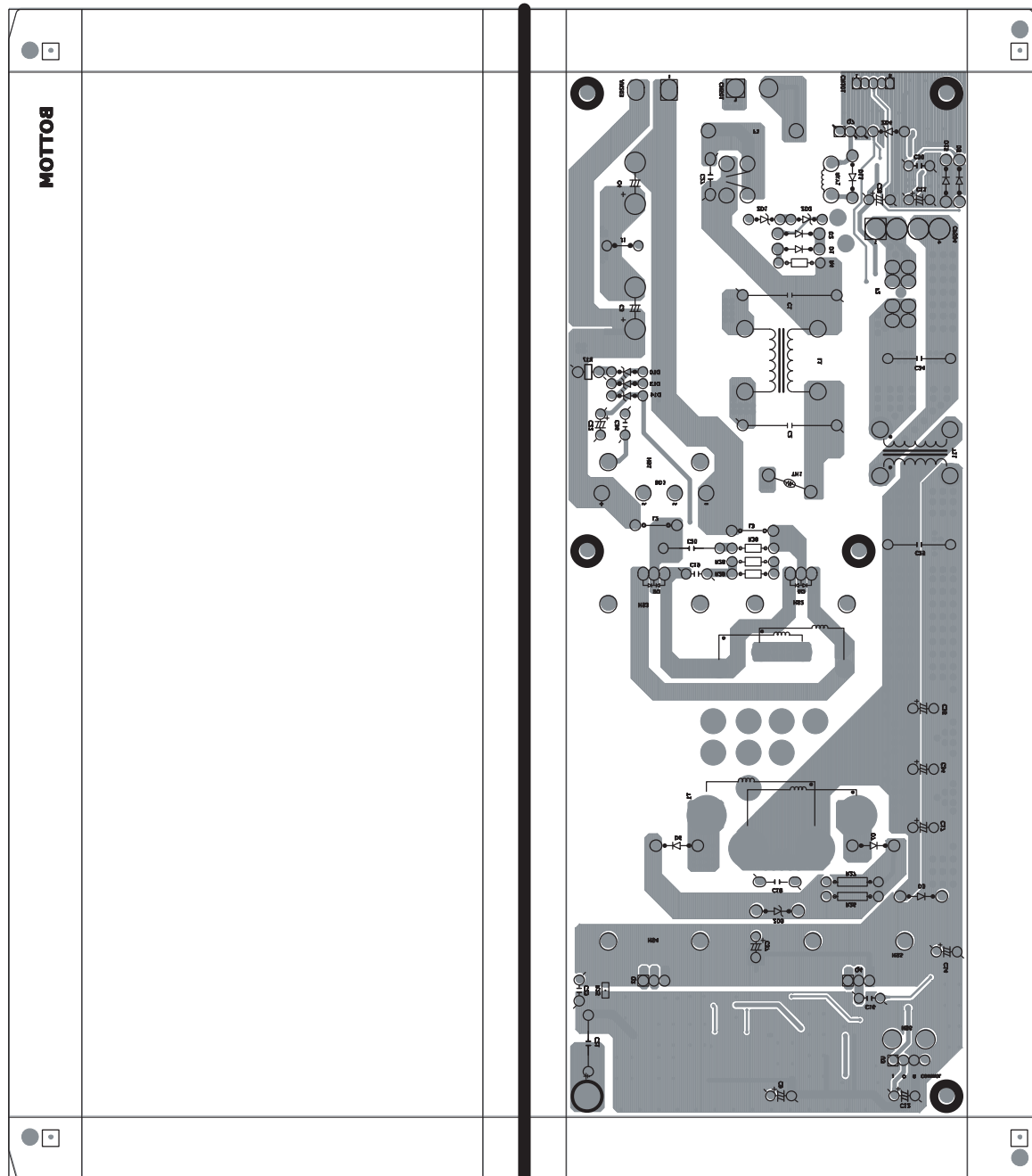
TOP & BOTTOM VIEW OF P.C BOARD



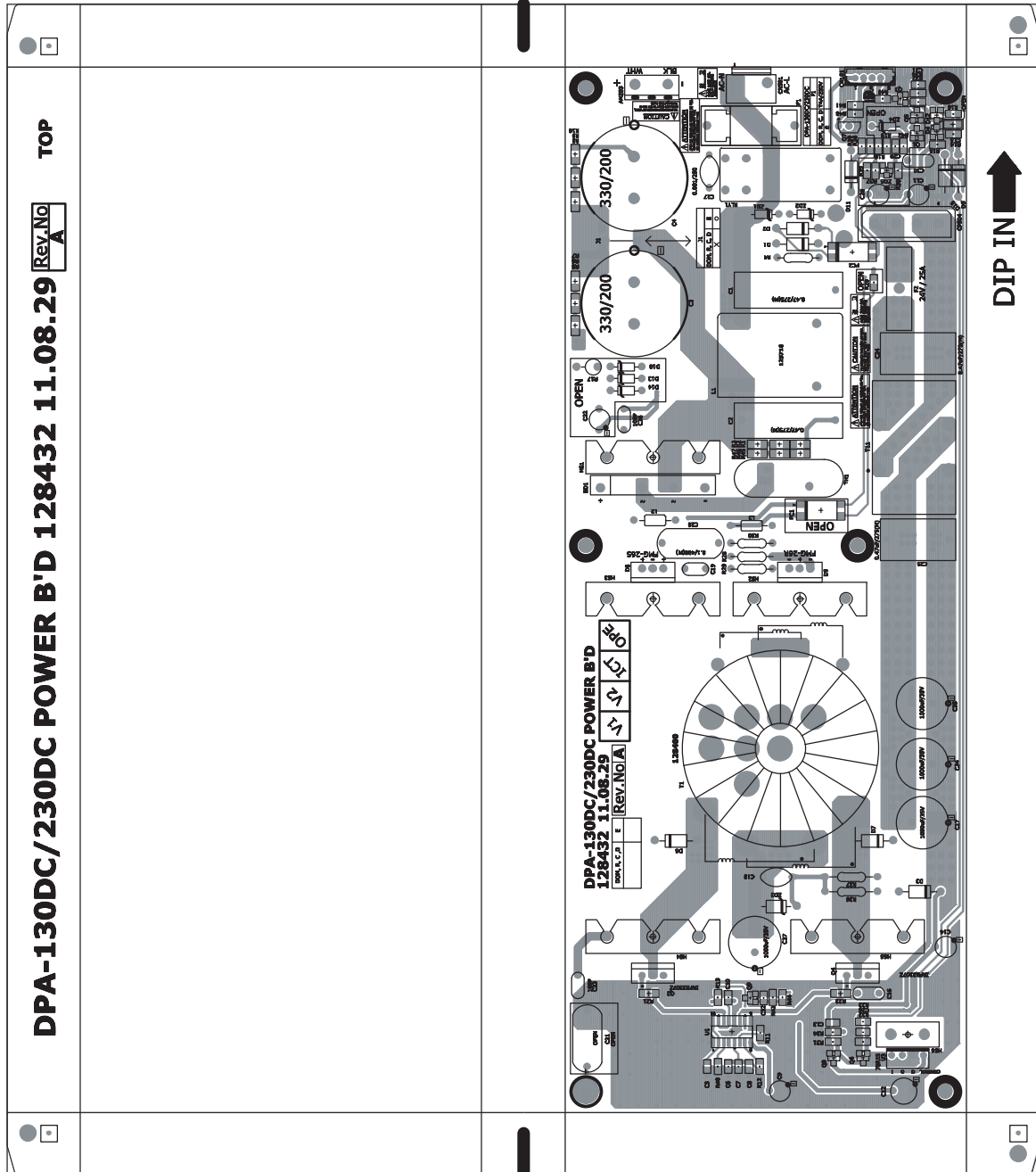
TOP & BOTTOM VIEW OF P.C BOARD



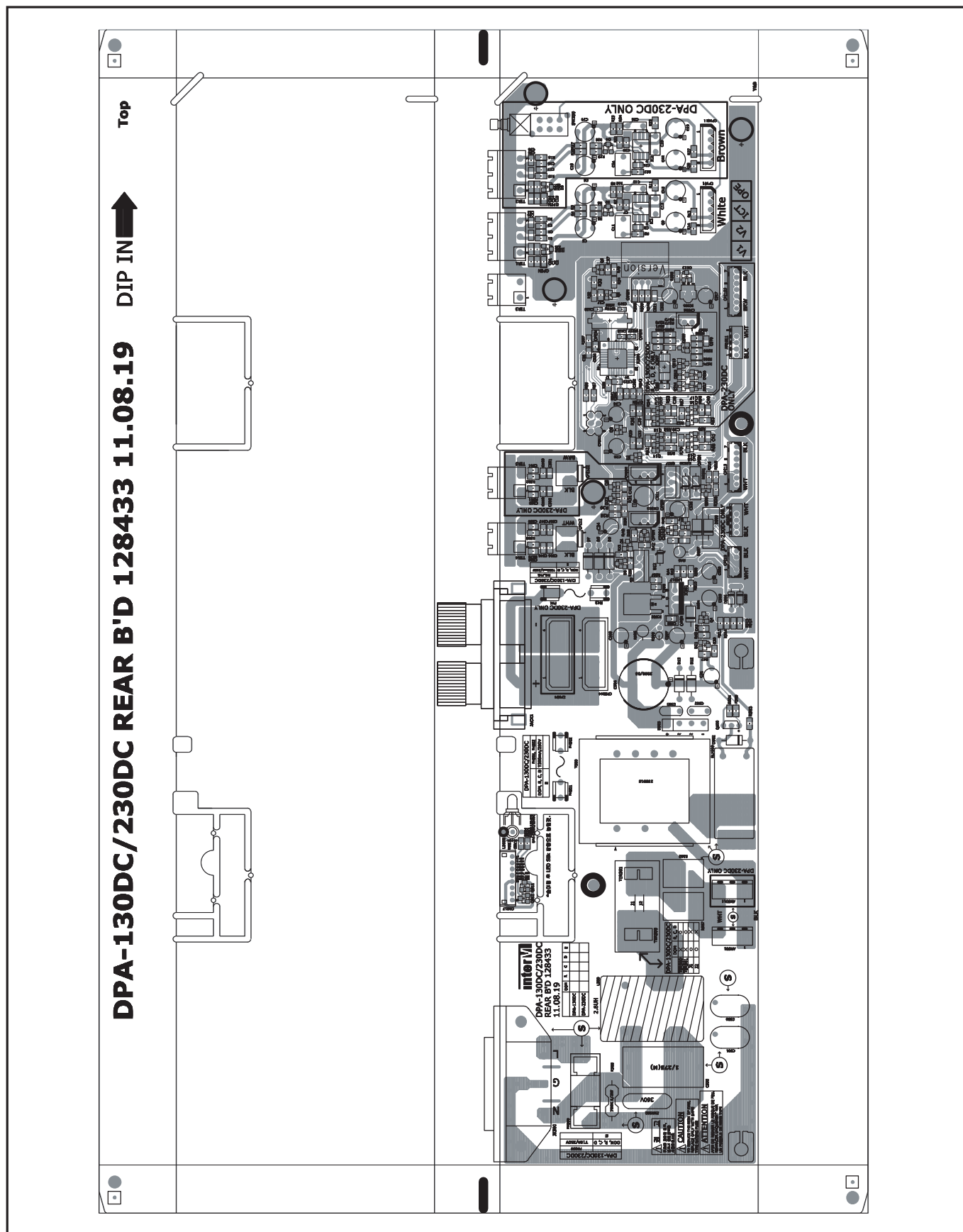
TOP & BOTTOM VIEW OF P.C BOARD



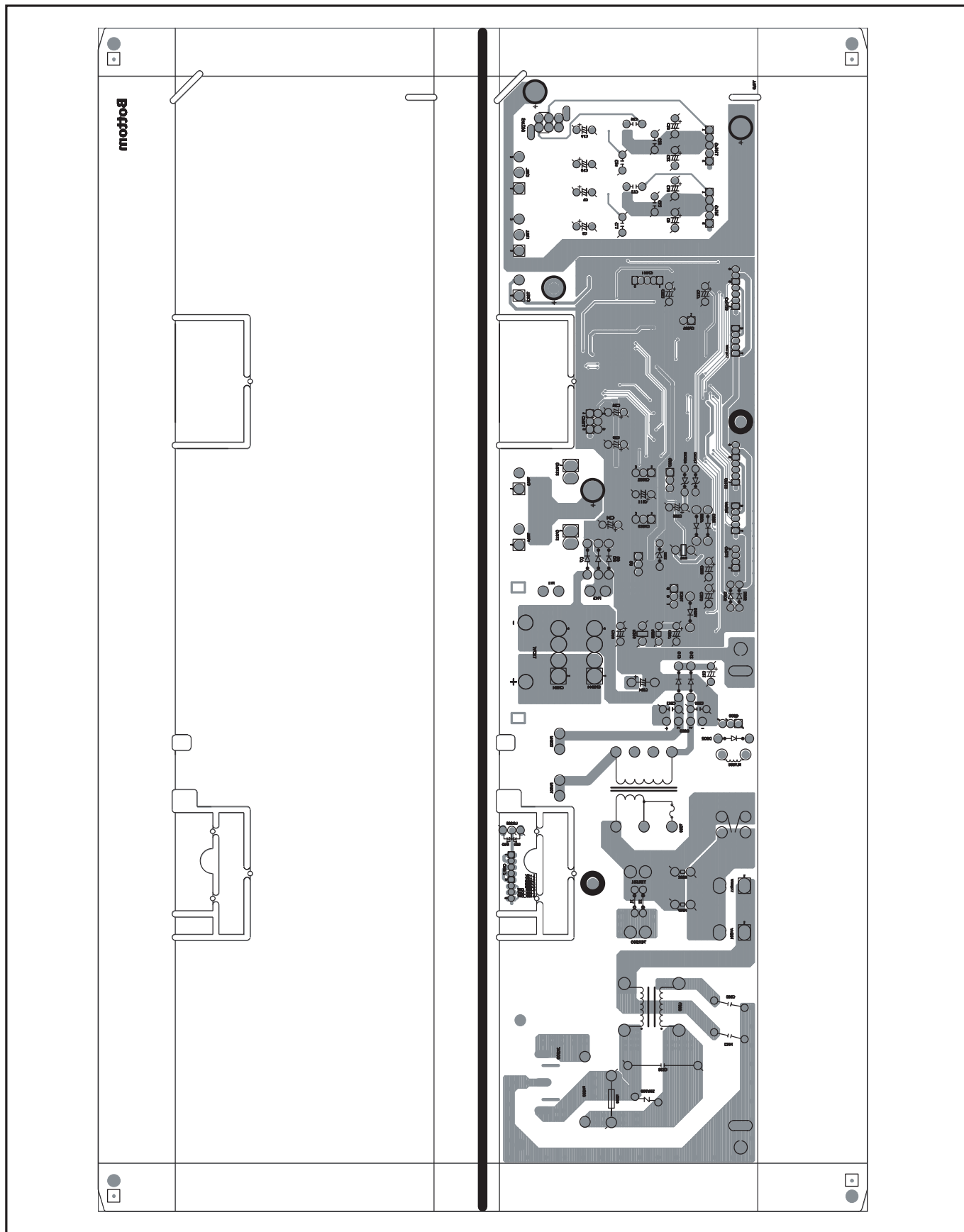
TOP & BOTTOM VIEW OF P.C BOARD



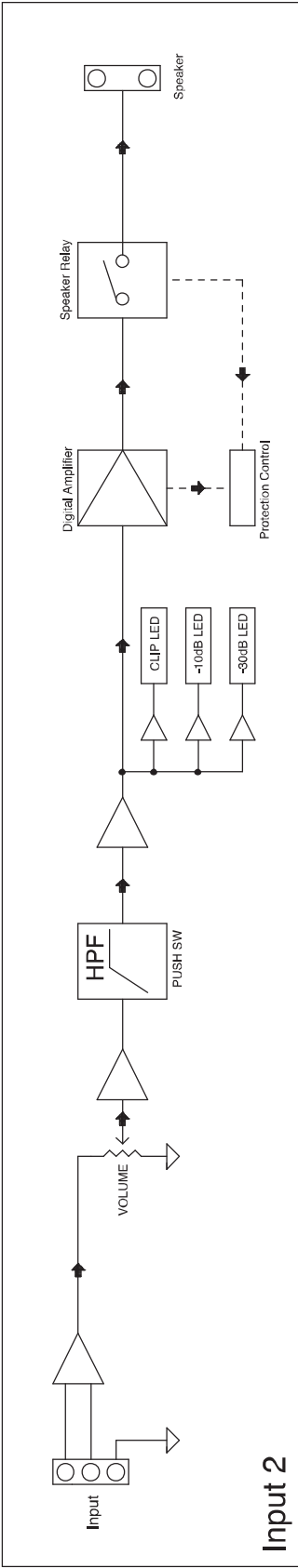
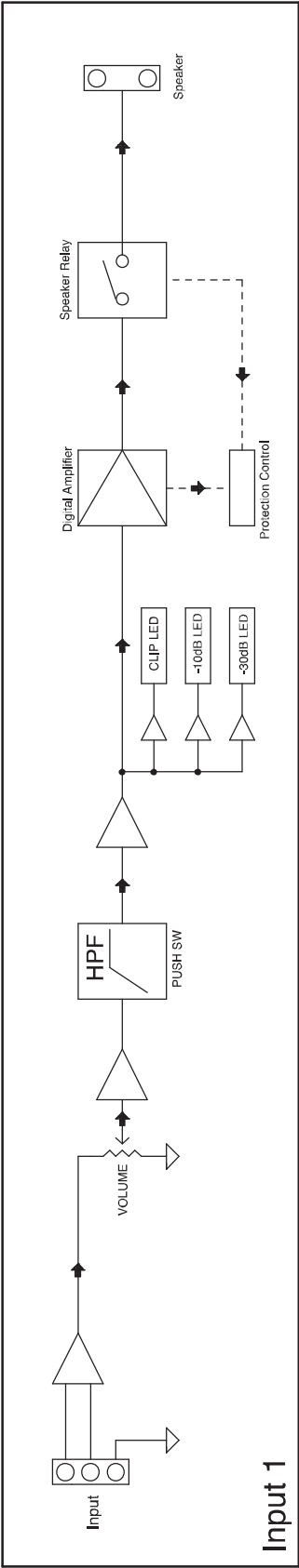
TOP & BOTTOM VIEW OF P.C BOARD



TOP & BOTTOM VIEW OF P.C BOARD

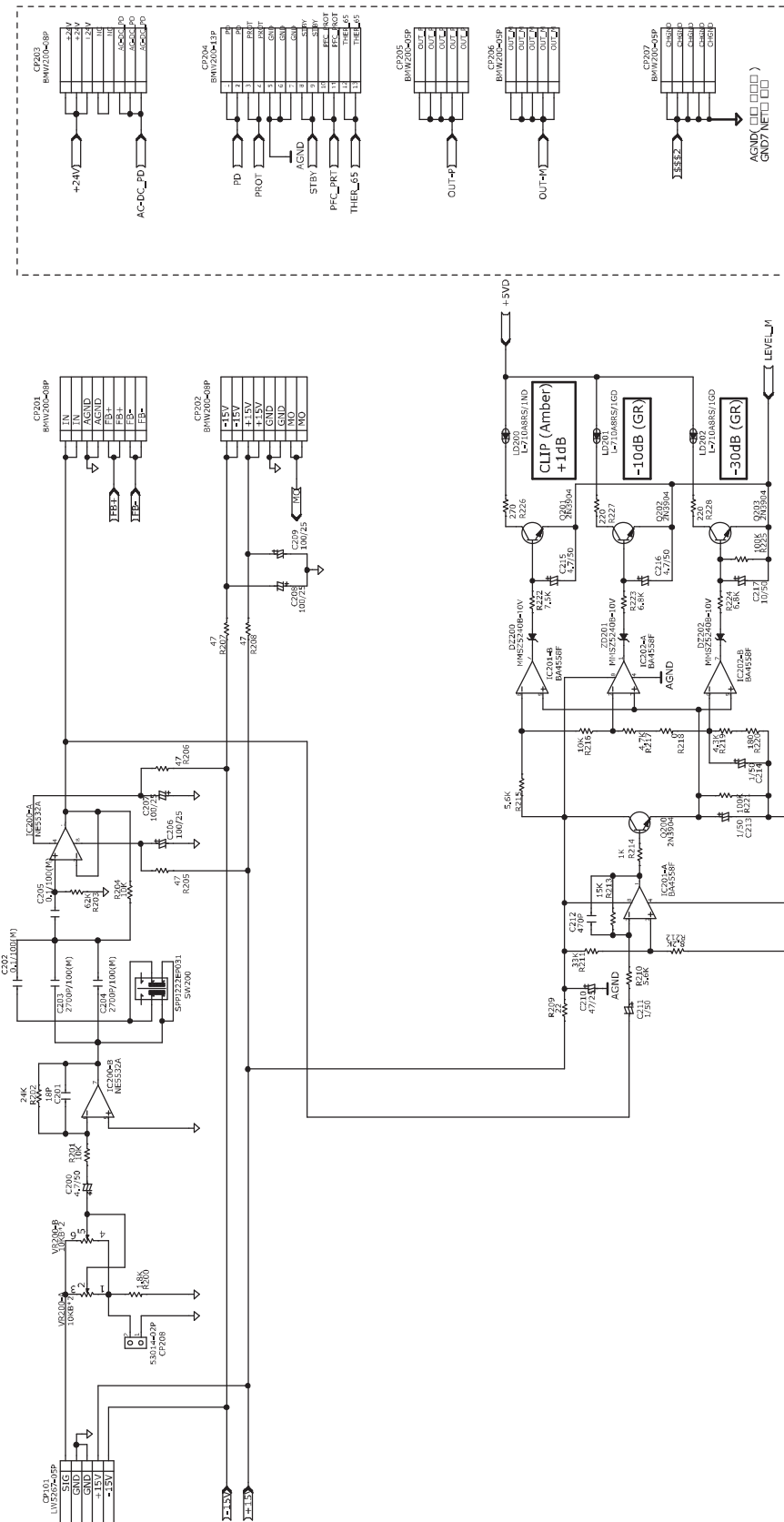


BLOCK DIAGRAM



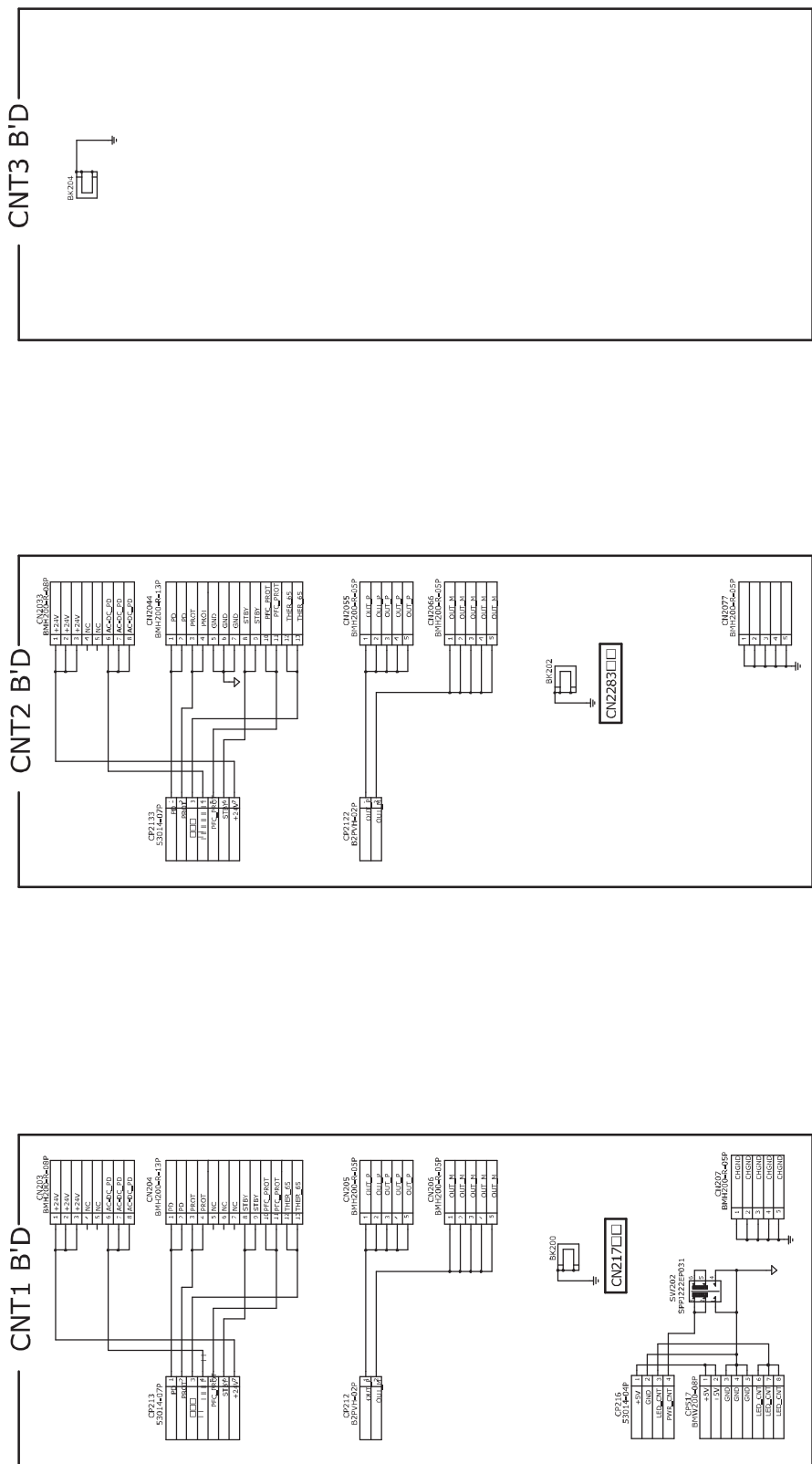
SCHEMATIC DIAGRAM

AMPLIFIER SCHEMATIC DIAGRAM

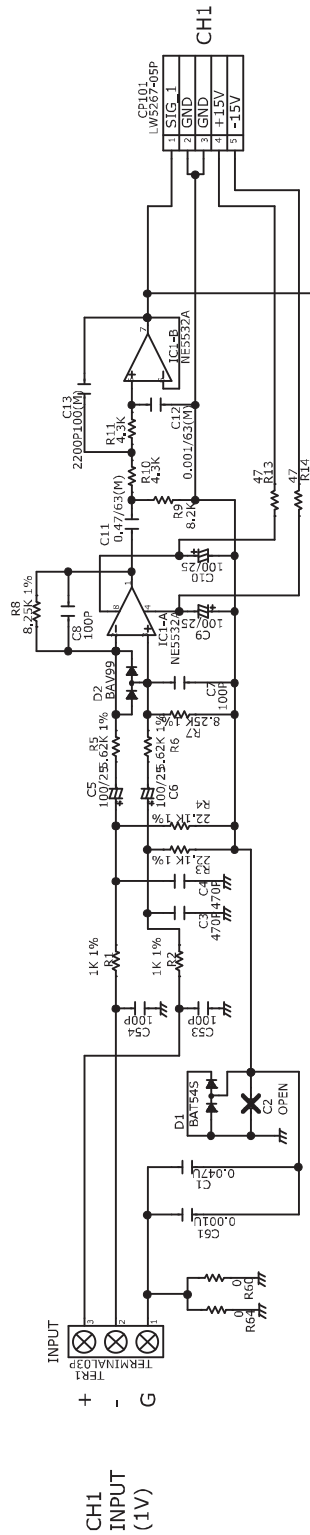


SCHEMATIC DIAGRAM

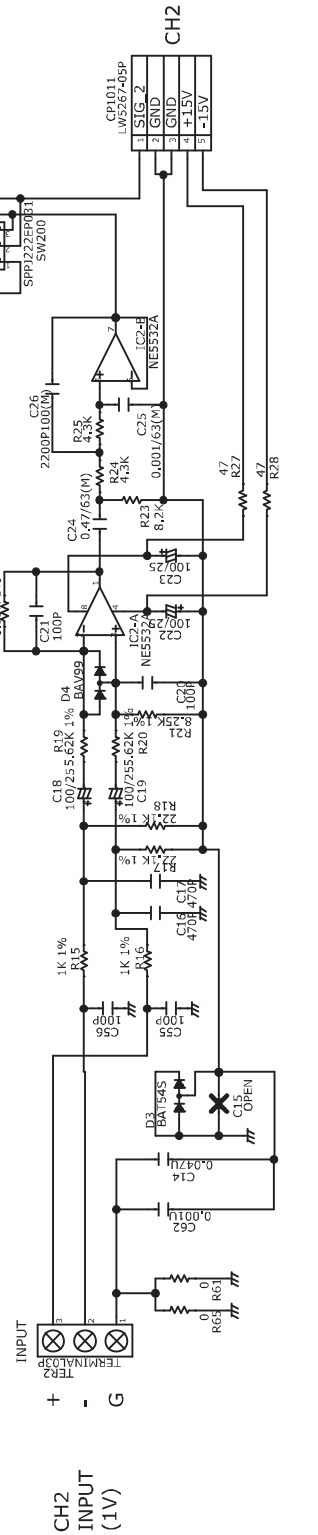
CNT1, 2, 3 B'D SCHEMATIC DIAGRAM



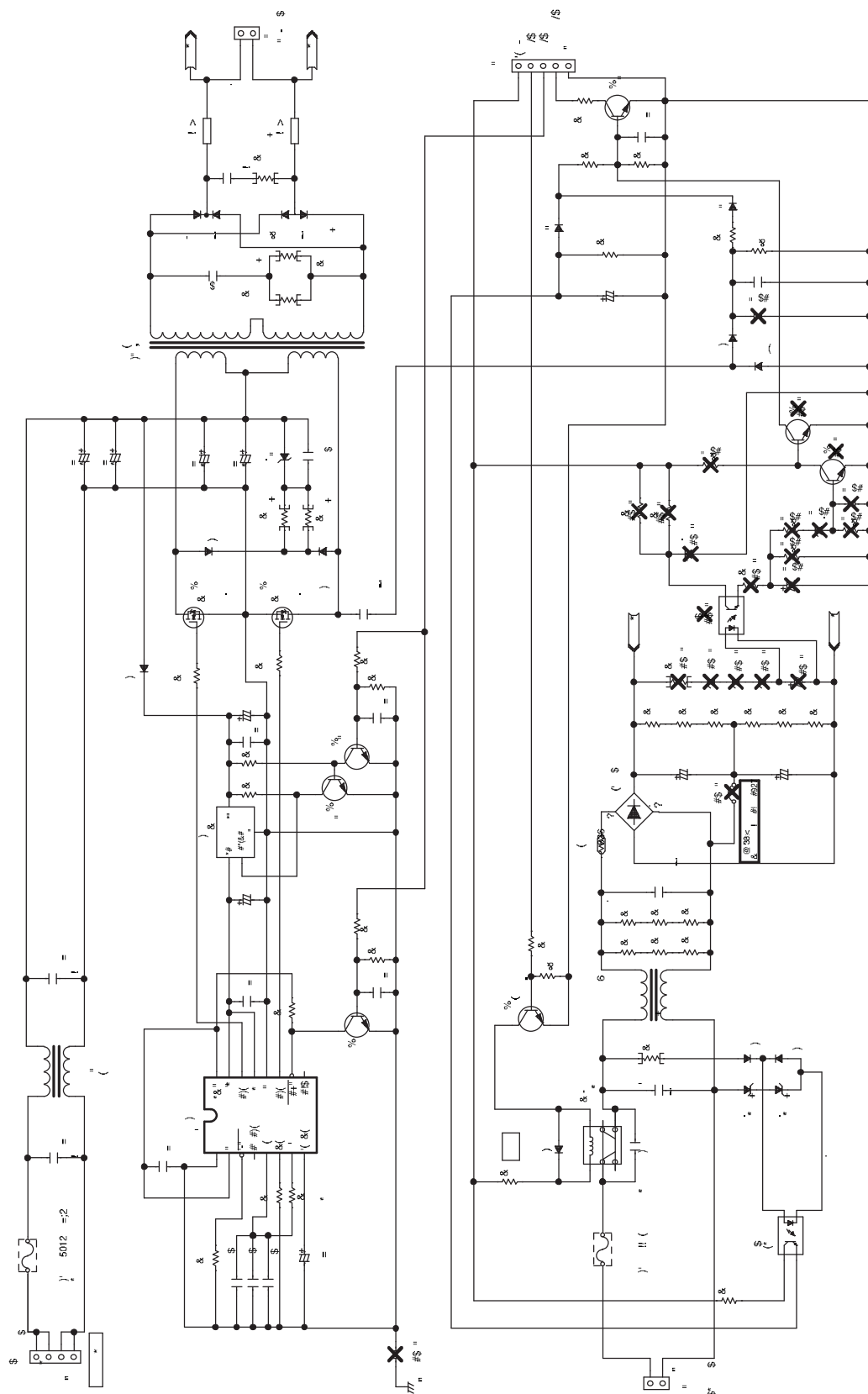
SCHEMATIC DIAGRAM



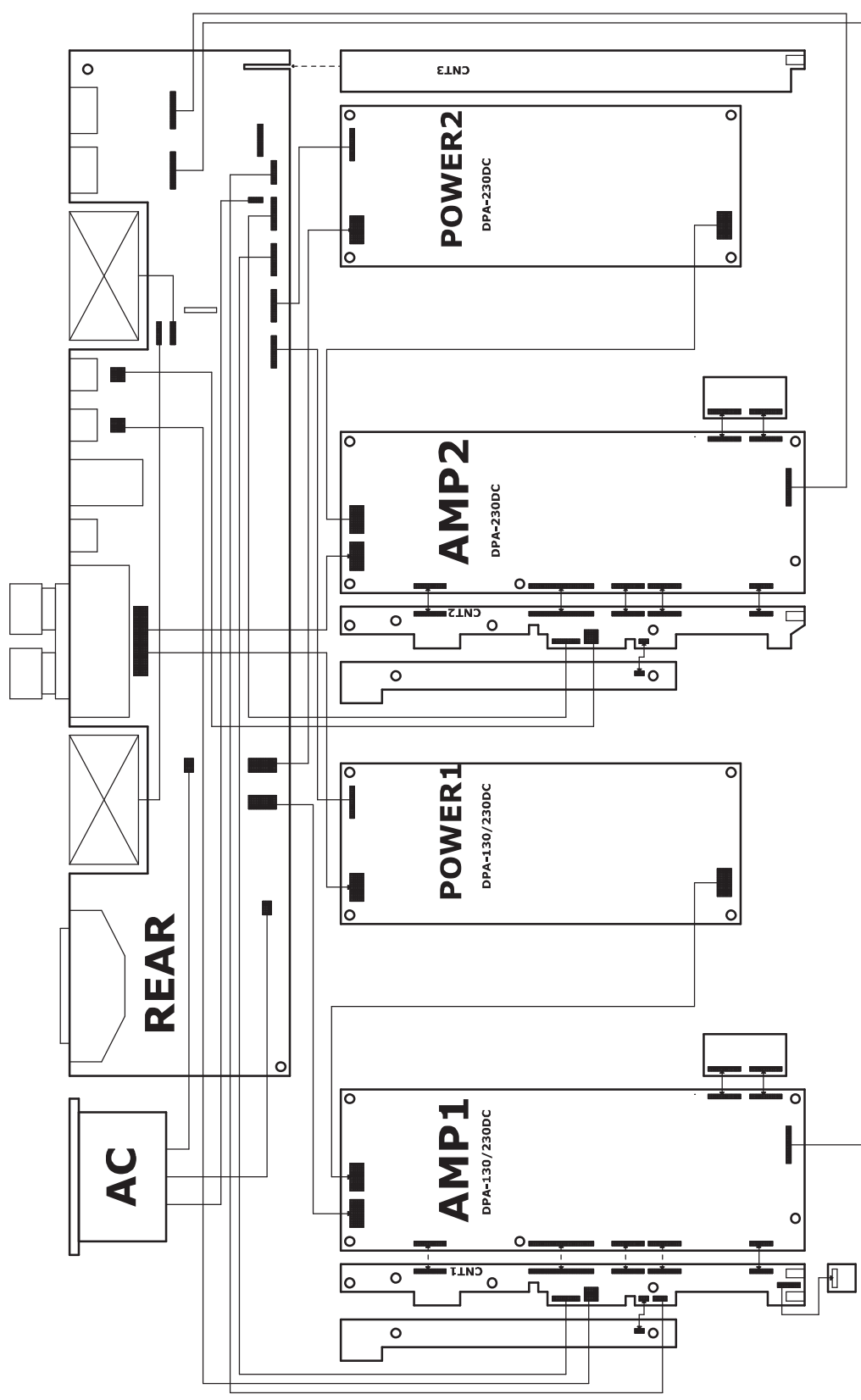
DPA-230DC ONLY



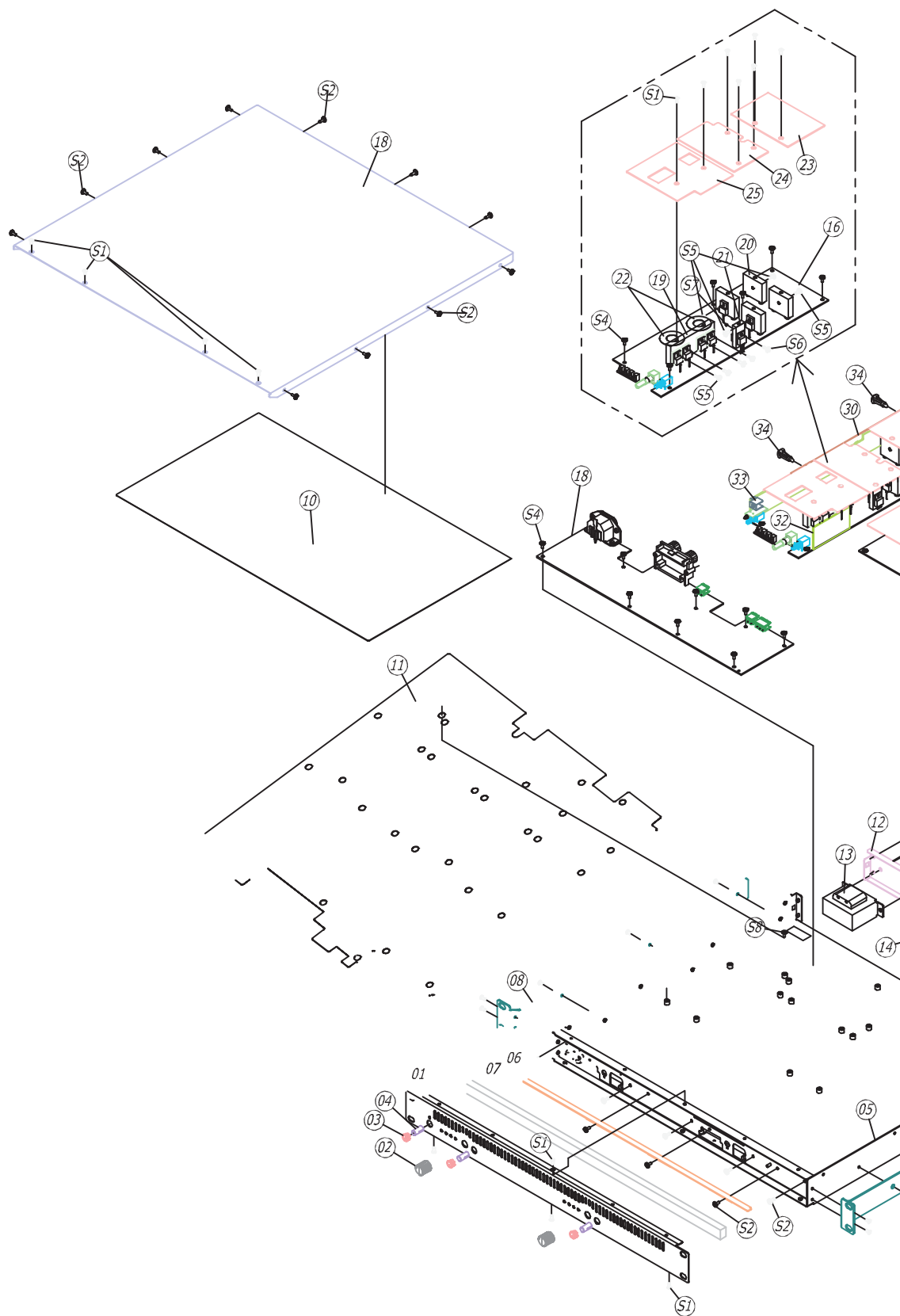
SCHEMATIC DIAGRAM



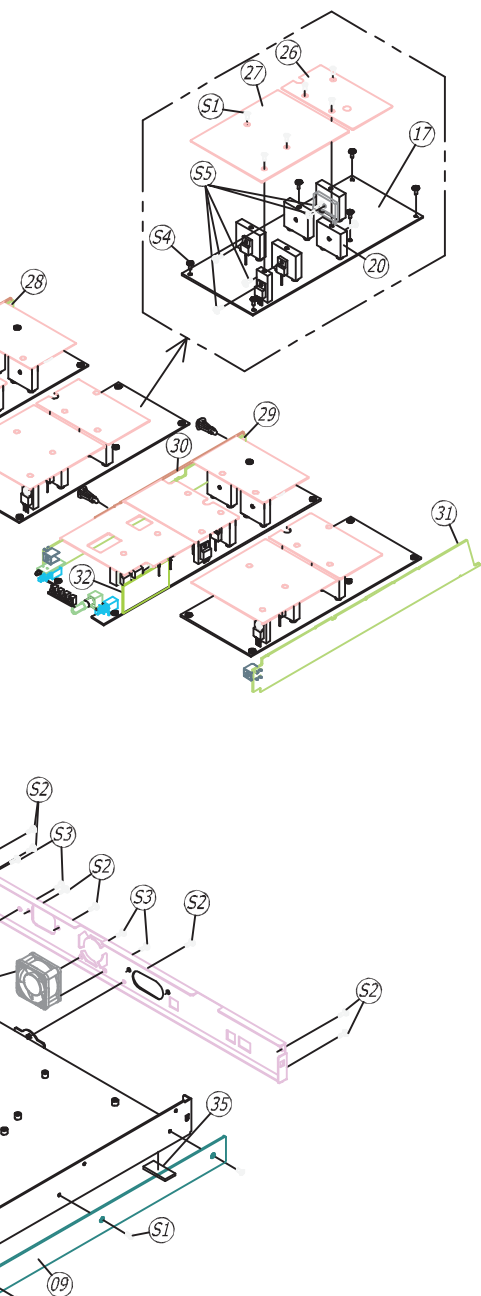
WIRING DIAGRAM



EXPLODED VIEW OF CABINET & CHASSIS/ MECHANICAL PARTS LIST



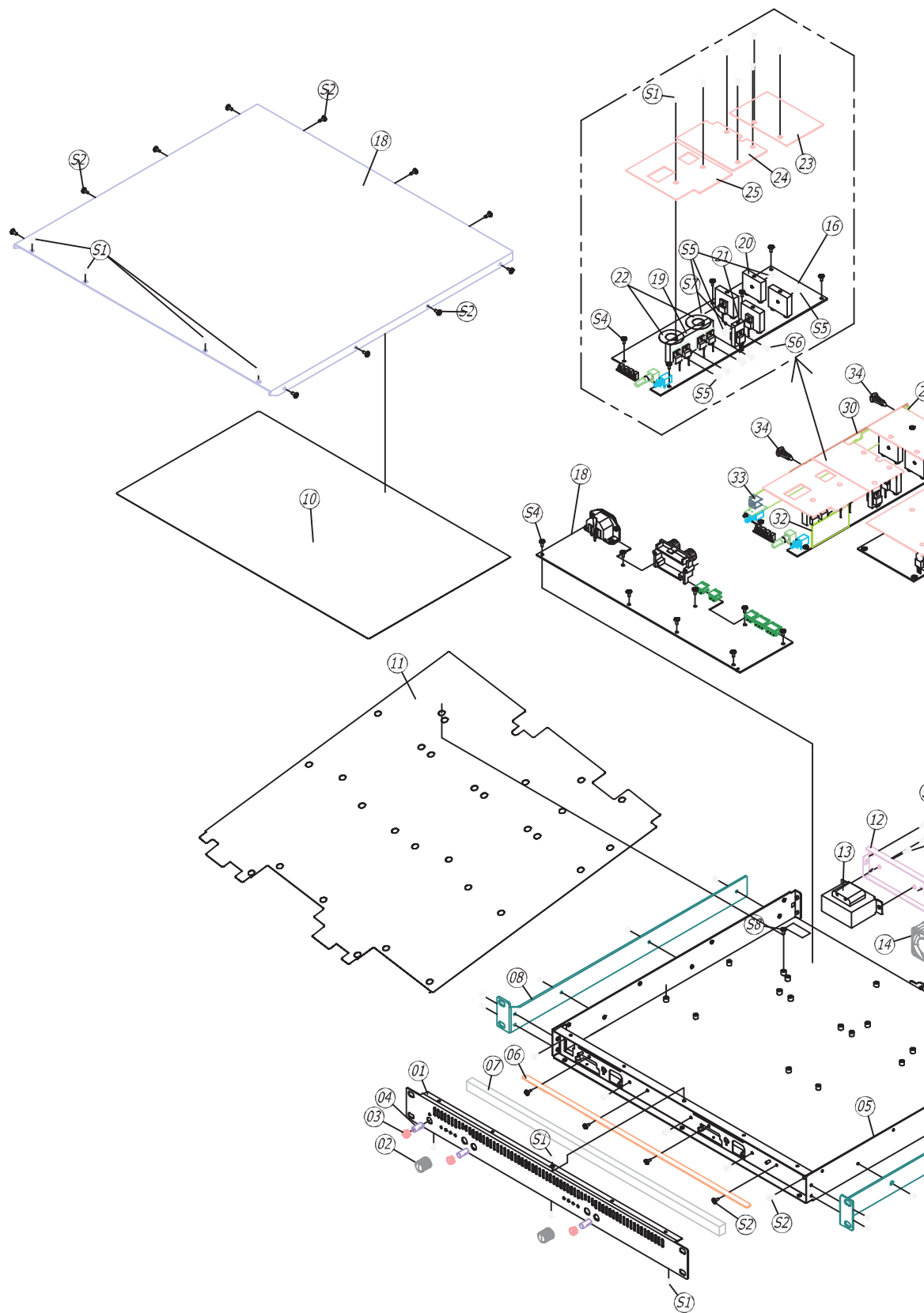
EXPLODED VIEW OF CABINET & CHASSIS/ MECHANICAL PARTS LIST



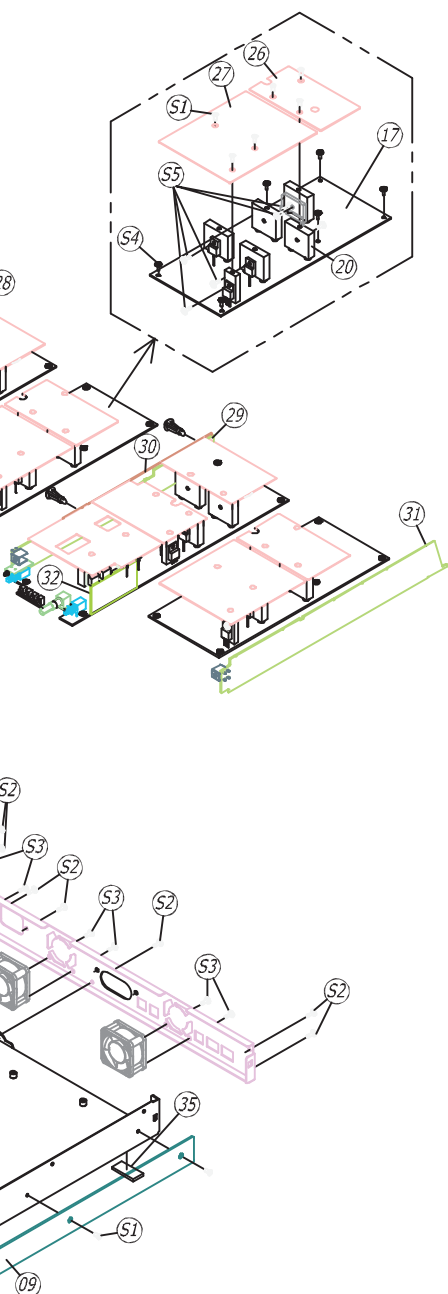
EXPLODED VIEW_DPA-130DC (R 2)

S6	ASS'Y SCREW PM 4X8N	114412	1	ASS'Y Part
S7	NUT M3	114587	2	B'd Part
S8	SCREW WPM 3X18Y	114358	2	B'd Part
S5	HEX MSPM 3X12Y	114449	28	B'd Part
S4	SCREW BM 3X8NI	114281	32	ASS'Y Part
S3	SCREW 2BTC 4X8B	114335	4	ASS'Y Part
S2	SCREW 4SBTC 3X8B	114486	27	ASS'Y Part
S1	SCREW FM 3X8.5B	114336	26	B'd Part
S1	SCREW FM 3X8.5B	114336	18	ASS'Y Part
35	PLT	114116	2	
34	BUTTON SUPPORT DABS 6R	113734	4	
33	BRACKET PCB	113528	3	
32	MOD PCB		2	
31	CNT PCB 4		1	
30	CNT PCB 3		2	
29	CNT PCB 2		2	
28	CNT PCB 1		2	
27	HEAT PLATE(DOWN)	128417	2	
26	HEAT PLATE(UP)	128416	2	
25	HEAT PLATE(C)	128239	2	
24	HEAT PLATE(B)	128039	2	
23	HEAT PLATE(A-1)	128415	2	
22	INSULATION SHEET(CON)	128221	4	
21	HEAT SINK (C)	128036	4	
20	HEAT SINK (B)	128035	18	
19	HEAT SINK (A)	128034	2	
18	MAIN PCB		1	
17	POWER PCB		2	
16	AMP PCB		2	
15	TOP COVER	128019	1	
14	FAN 40x20mm	128205	1	
13	PT	125916	1	
12-1	BACK CHASSIS_R?	128425	1	
12	BACK CHASSIS_DOM	128414	1	
11	INSULATION SHEET(DOWN)	128419	1	
10	INSULATION SHEET(TOP)	128618	1	
09	RACK BKT(R)	128020	1	
08	RACK BKT(L)	128021	1	
07	AIR FILTER	128044	1	
06	FILTER GUIDE BKT	128043	1	
05	MAIN CHASSIS (COM)	128418	1	
04	PUSH KNOB	128016	3	
03	KNOB BEZEL	128018	3	
02	CONTROL KNOB	128807	2	
01	FRONT PANEL (COM)	128413	1	
No.	PART NAME	PART NUMBER	Q'TY	REMARK

EXPLODED VIEW OF CABINET & CHASSIS/ MECHANICAL PARTS LIST



EXPLODED VIEW OF CABINET & CHASSIS/ MECHANICAL PARTS LIST



EXPLODED VIEW_DPA-230DC (R 2)

S9	ASS'Y SCREW PM 4XBN	114412	1	ASS'Y Part
S7	NUT M3	114587	2	B'd Part
S6	SCREW WPM 3X18Y	114358	2	B'd Part
S5	HEX MSPM 3X12Y	114449	28	B'd Part
S4	SCREW BM 3X6NI	114281	32	ASS'Y Part
S3	SCREW 2BTC 4X8B	114336	6	ASS'Y Part
S2	SCREW 43BTC 3X8B	114486	27	ASS'Y Part
S1	SCREW FM 3X6.5B	114336	26	B'd Part
S1	SCREW FM 3X6.5B	114336	18	ASS'Y Part
35	FELT	114116	2	
34	BUTTON SUPPORT DABS 6R	113734	4	
33	BRACKET PCB	113528	3	
32	MOD PCB		2	
31	CNT PCB 4		1	
30	CNT PCB 3		2	
29	CNT PCB 2		2	
28	CNT PCB 1		2	
27	HEAT PLATE(DOWN)	128417	2	
26	HEAT PLATE(UP)	128416	2	
25	HEAT PLATE(C)	128239	2	
24	HEAT PLATE(B)	128039	2	
23	HEAT PLATE(A-1)	128415	2	
22	INSULATION SHEET(CON)	128221	4	
21	HEAT SINK (C)	128036	4	
20	HEAT SINK (B)	128036	18	
19	HEAT SINK (A)	128034	2	
18	MAIN PCB		1	
17	POWER PCB		2	
16	AMP PCB		2	
15	TOP COVER	128019	1	
14	FAN 40x20mm	128205	2	
13	PT	125916	1	
12-1	BACK CHASSIS_R?	128425	1	
12	BACK CHASSIS_DOM	128414	1	
11	INSULATION SHEET(DOWN)	128419	1	
10	INSULATION SHEET(TOP)	128618	1	
09	RACK BKT(R)	128020	1	
08	RACK BKT(L)	128021	1	
07	AIR FILTER	128044	1	
06	FILTER GUIDE BKT	128043	1	
05	MAIN CHASSIS (COM)	128418	1	
04	PUSH KNOB	128016	3	
03	KNOB BEZEL	128018	3	
02	CONTROL KNOB	128607	2	
01	FRONT PANEL (COM)	128413	1	
No.	PART NAME	PART NUMBER	Q'TY	REMARK

