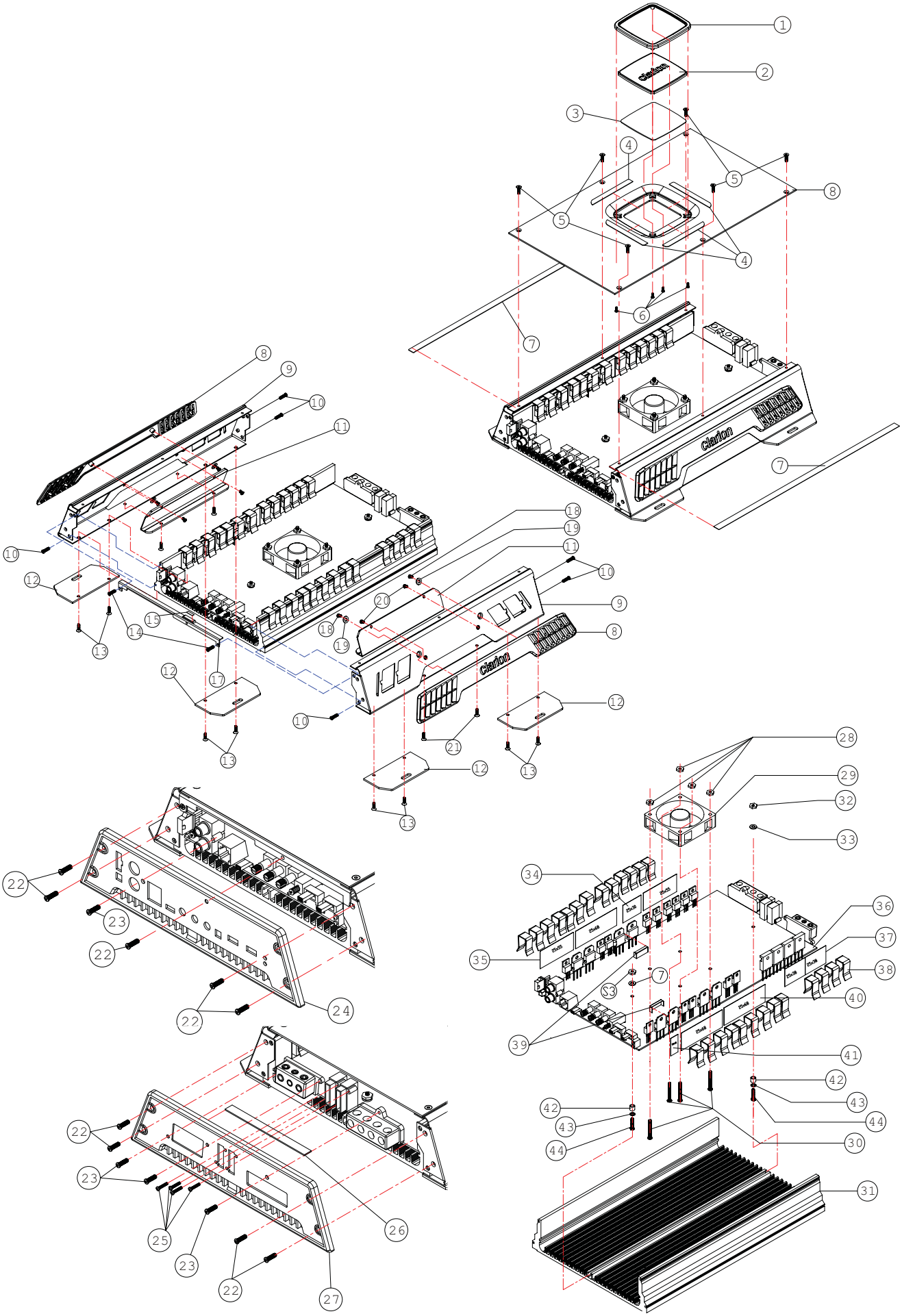
■TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
NO AUDIO	LOW OR NO REMOTE TURN-ON VOLTAGE	CHECK REMOTE CONNECTIONS AT AMPLIFIER AND SOURCE UNIT.
	BLOWN AMPLIFIER FUSE	REPLACE WITH NEW FAST-BLOW FUSE (SAME RATING).
	POWER WIRES NOT CONNECTED	CHECK BATTERY AND GROUND WIRING AT AMPLIFIER; ALSO CHECK BATTERY CONNECTIONS.
	SPEAKER LEADS SHORTED	CHECK SPEAKER CONTINUITY TO GROUND, IT SHOULD NOT SHOW A COMMON GROUND.
	SPEAKERS NOT CONNECTED OR ARE BLOWN	CHECK SPEAKER CONNECTIONS AT AMPLIFIER, MEASURE COIL IMPEDANCE.
AUDIO CYCLES ON AND OFF	THERMAL PROTECTION CIRCUITS ARE SHUTTING AMPLIFIER OFF	CHECK LOCATION FOR ADEQUATE VENTILATION; CONSULT AN AUTHORIZED CLARION AUDIO DEALER.
DISTORTED AUDIO.	GAIN IS NOT SET PROPERLY, OR DAMAGED SPEAKER CONES	REVIEW SETTING GAIN; INSPECT EACH SPEAKER CONE FOR SIGNS OF DAMAGE (I.E., FROZEN CONE, BURNING SMELL, ETC.)
AMPLIFIER FUSE KEEPS BLOWING	INCORRECT WIRING OR SHORT CIRCUIT	REVIEW INSTALLATION AND CHECK ALL WIRING CONNECTION.
WHINING OR TICKING NOISE IN THE AUDIO WITH ENGINE ON.	AMPLIFIER IS PICKING UP ALTERNATION NOISE OR RADIATED NOISE	TURN DOWN INPUT GAIN AND MOVE AUDIO CABLES AWAY FROM POWER WIRES. CHECK POWER AND GROUND CONNECTIONS ON AMPLIFIER AND INSTALL AN IN-LINE NOISE FILTER ON SOURCE UNIT'S POWER WIRE. ALSO CHECK THE ALTERNATOR AND /OR VOLTAGE. TEST FOR WEAK BATTERY OR ADD WATER TO BATTERY.

■EXPLODED VIEW / PARTS LIST

REF	PART NO.	DESCRIPTION	Q'TY
1	75-00242-00	LOGO FRAME ABS	1
2	75-00241-00	LOGO ABS LASER-PRINT	1
3	76-00439-00	LIGHT GUIDE PLATE FR-1 0.25	1
4	78-00488-00	NONWOVEN	4
5	SM-NF230-08	MACHINE SCREW M3.0*8mm FLAT HEX SOCKET NI	6
6	ST-RP420-05	TAPPING SCREW T2.0*5mm ROUND BLACK	4
7	78-00485-00	NONWOVEN 296*7.5*0.2mm	2
8	72-00495-00	TOP COVER L=297mm	1
9	71-00743-00	SIDE PANEL L=297mm	2
10	ST-VH430-06	TAPPING SCREW T3.0*6 PAN HEX SOCKET BLACK	6
11	74-00223-00	ALUMI PLATE L=140mm	2
12	74-00224-00	FOOT BASE L=80mm W=40mm	4
13	SM-NF430-10	MACHINE SCREW M3.0*10mm FLAT HEX SOCKET BLACK	8
14	ST-FQ430-08	TAPPING SCREW PHILIP 0.5*3*8mm FLAT BLACK	2
15	78-00487-00	NONWOVEN 20*6*0.2mm	5
16	73-00176-00	VENT ABS BLACK DPX2251	2
17	73-00182-00	FRONT BRACKET ZINE CLARION	1
18	ST-RP430-04	TAPPING SCREW T3.0*4mm ROUND BLACK	4
19	YH-00028-00	WASHER 1mm*6.5mm*3.6mm	4
20	SM-VH430-04	MACHINE SCREW M3.0*4 PAN HEX SOCKET BLACK	4
21	ST-NF430-06	TAPPING SCREW M3.0*6mm FLAT HEX SOCKET BLACK	4
22	SM-VH430-08	MACHINE SCREW M3.0*8 PAN HEX SOCKET BLACK	9
23	ST-VH430-10	TAPPING SCREW T3.0*10 PAN HEX SOCKET BLACK	4
24	71-00741-00	FRONT PANEL ABS	1
26	73-00181-00	PC DECORATION PLATE 8*90*1mm	1
25	ST-RP420-08	TAPPING SCREW T2.0*8mm ROUND BLACK	4
27	71-00742-00	REAR PANEL ABS	1
28	NM-OH330-00	NUT M3.0*P0.5	4
29	75-00001-01	FAN 60mm*15mmTALL L-50mm	1
30	SM-RP430-20	MACHINE SCREW M3.0*20mm TRUSS BLACK	4
31	77-00377-00	HEATSINK BLACK L=295mm	1
32	YH-00026-00	K/NUT6#-32TSZ	2
33	YH-00025-00	WASHER PW4.2*10*1.0SZ	2
34	78-00305-00	MICA 25mm*30mm	1
35	78-00404-00	MICA 25mm*55mm	2
36	11-00707-00	PCB DPX2251 V-1.02	1
37	78-00448-00	MICA 25mm*38mm	2
38	74-00153-00	CLIP BLACK	26
39	74-00213-00	TRANSISTOR CLIP (35C,36C USE)	2
40	78-00466-00	MICA 25mm*68mm	3
41	78-00467-00	MICA 25mm*12mm	1
42	YH-00024-01	COPPER RING CU COVER 6.3*4.5*4.0	2
43	YH-00029-00	WASHER BW3.5*8*0.5SZ	2
44	YH-00027-00	SCREW H6#-32T*5/8SZ	2



DPX2251

■ELECTRICAL PART LIST

PART NO.	DESCRIPTION	Q'TY	REF. NO
01-10001-73	RESISTOR 0.1 ohm 2W 5% MO	8	R22 R23 R24 R25 R231 R232 R233 R234
01-11002-22	RESISTOR 1.1 ohm 1/2W 5%	2	R209 R210
01-13000-22	RESISTOR 30 ohm 1/2W MO	1	R112
01-13000-72	RESISTOR 30 ohm 2W 5% MO	1	R100
01-51000-85	RESISTOR 10 ohm 1% 0805	4	R8 R16 R218 R219
01-51010-85	RESISTOR 100 ohm 1% 0805	17	R36 R37 R48 R58 R59 R60 R122 R123 R160 R163 R164 R172 R174 R185 R187 R224 R225
01-51020-85	RESISTOR 1 K 1% 0805	18	R5 R6 R11 R18 R19 R20 R21 R45 R70 R72 R98 R103 R167 R192 R202 R212 R222 R223
01-51020-88	RESISTOR 1 K 1% 1206	4	R34 R61 R171 R186
01-51030-85	RESISTOR 10 K 1% 0805	15	R38 R47 R57 R65 R108 R110 R114 R148 R152 R154 R158 R168 R169 R173 R203
01-51040-85	RESISTOR 100 K 1% 0805	3	R149 R213 R214
01-51110-86	RESISTOR 110 ohm 1% 1206	1	R90
01-51220-86	RESISTOR 1.21 K 1% 1206	4	R35 R66 R191 R196
01-51230-86	RESISTOR 12.1 K 1% 0805	4	R52 R56 R177 R181
01-51420-85	RESISTOR 1.43 K 1% 0805	2	R127 R134
01-51430-85	RESISTOR 14 K 1% 0805	2	R125 R126
01-51530-87	RESISTOR 15.8 K 1% 0805	1	R147
01-52020-85	RESISTOR 2 K 1% 0805	17	R1 R50 R54 R73 R129 R132 R137 R138 R139 R141 R142 R143 R166 R179 R183 R193 R221
01-52030-85	RESISTOR 20 K 1% 0805	22	R40 R41 R42 R43 R62 R63 R67 R68 R80 R86 R91 R93 R99 R104 R115 R117 R120 R124 R130 R131 R136 R197
01-52200-85	RESISTOR 22.1 ohm 1% 0805	17	R2 R7 R10 R49 R51 R53 R55 R78 R79 R113 R178 R180 R182 R184 R216 R220 R228
01-52320-85	RESISTOR 2.37 K 1% 0805	2	R96 R97
01-53030-85	RESISTOR 30.1 K 1% 0805	1	R107
01-53320-85	RESISTOR 3.32 K 1% 0805	1	R119
01-53520-85	RESISTOR 3.48 K 1% 0805	2	R128 R133
01-53530-85	RESISTOR 35.7 K 1% 0805	4	R83 R94 R106 R118
01-53630-85	RESISTOR 36.5 K 1% 0805	2	R87 R105
01-53910-86	RESISTOR 392 ohm 1% 1206	2	R84 R155
01-54710-85	RESISTOR 475 ohm 1% 0805	7	R3 R4 R140 R211 R215 R226 R227
01-54710-86	RESISTOR 475 ohm 1% 1206	1	R101
01-54720-85	RESISTOR 4.75 K 1% 0805	17	R46 R71 R144 R145 R146 R150 R151 R153 R156 R159 R161 R175 R176 R189 R194 R195
01-54730-85	RESISTOR 47.5 K 1% 0805	7	R12 R13 R14 R15 R109 R111 R121
01-55001-85	RESISTOR 5.11 ohm 1% 0805	5	R204 R229 R230 R235 236
01-55001-87	RESISTOR 5.1 ohm 1% 1206	6	R26 R31 R75 R77 R88 R95
01-55101-85	RESISTOR 5.11 K 1% 0805	1	R102
01-55310-85	RESISTOR 536 ohm 1% 0805	2	R81 R89
01-55618-85	RESISTOR 56.2 ohm 1% 0805	5	R27 R30 R135 R198 R201
01-56800-85	RESISTOR 681 ohm 1% 0805	4	R28 R29 R199 R200
01-56830-85	RESISTOR 68.1 K 1% 0805	8	R32 R33 R39 R64 R162 R165 R170 R190
01-57520-85	RESISTOR 7.5 K 1% 0805	2	R76 R85
01-57530-85	RESISTOR 75 K 1% 0805	2	R92 R116
01-58210-85	RESISTOR 825 ohm 1% 0805	2	R74 R82
01-58220-85	RESISTOR 8.25 K 1% 0805	1	R188
01-59010-85	RESISTOR 909 ohm 1% 0805	2	R17 R208
01-59020-85	RESISTOR 9.09 K 1% 0805	2	R44 R69
01-59320-85	RESISTOR 9.31 K 1% 0805	1	R205
02-21000-41	E/C 1uf 50V 5*11	5	C14 C15 C24 C29 C44
02-21001-41	E/C 10uf 50V 5*11	3	C6 C7 C100
02-21003-30	E/C 1000uf 25V 105° 10*20	2	C94 C95
02-22202-32	E/C 220uf 25V 8*11	1	C57
02-23303-31	E/C 3300uf 25V LOW ESR 18*26	4	C41 C53 C62 C72
02-24701-31	E/C 47uf 25V 5*11	5	C8 C20 C47 C91 C112
02-24702-31	E/C 470uf 25V 10*15	3	C35 C36 C83
02-26803-21	E/C 6800uf 16V LOW ESR 18*30	3	C63 C75 C93
04-20100-86	CERAMIC 10P/J 50V 0805	6	C28 C89 C17 C23 C30 C31
04-20270-85	CERAMIC 27P/J 50V 0805	1	C52
04-20680-85	CERAMIC 68P/J 50V 0805	8	C5 C18 C32 C70 C71 C73 C74 C110
04-20220-85	CERAMIC 22P/J 50V 0805	4	C21 C22 C81 C88
04-21020-85	CERAMIC 102/K 50V 0805	2	C34 C82
04-21030-85	CERAMIC 103/K 50V 0805	2	C68 C85
04-21040-87	CERAMIC 104/Z 50V 0805	30	C1 C3 C9 C10 C11 C12 C13 C25 C26 C27 C38 C39 C49 C58 C60 C61 C76 C86 C87 C90 C92 C96 C97 C98 C104 C106 C107 C108 C109

PART NO.	DESCRIPTION	Q'TY	REF. NO
04-21500-85	CERAMIC 150P/J 50V 0805	4	C2 C4 C103 C105
04-21530-85	CERAMIC 153/K 50V 0805	1	C59
04-22720-85	CERAMIC 272/J 50V 0805	3	C37 C42 C99
04-23300-85	CERAMIC 330P/K 50V 0805	2	C19 C33
04-24740-86	CERAMIC 474/Z 25V 0805	2	C56 C84
06-00104-03	CAP MMYL ECQV 1H104JL 50V P=5	6	C16 C40 C43 C45 C46 C51
06-00152-00	CAP MMYL ECQB 1H152JF 50V P=5	1	C48
06-00393-00	CAP MMYL ECQB 1H393JF 50V P=5	2	C101 C102
06-00472-02	CAP MMYL ECQB 1H472JF 50V P=5	1	C54
06-00562-00	CAP MMYL ECQB 1H562JF 50V P=5	4	C64 C67 C77 C80
06-00563-00	CAP MMYL ECQB 1H563JF 50V P=5	4	C65 C66 C78 C79
07-00072-85	IC TL072CDR 'TI' SOIC SMD	2	U8 U12
07-00074-85	IC TL074CDR 'TI' SOIC SMD	4	U2 U5 U6 U10
07-00716-00	IC PIC16F716-I/P ^	1	U7
07-00817-00	IC H11A817 'FSC'	1	U9
07-03525-85	IC SG3525AP SO16 SMD 'ST'	1	U14
07-05532-85	IC NJM5532M JRC SOIC SMD	4	U3 U4 U11 U13
07-L7815-00	REGULATOR L7815CV TO-220 'ST'	1	U15
07-L7915-00	REGULATOR L7915CV TO-220 'ST'	1	U1
08-00031-00	TRANSISTOR TIP31C 4A/100V 'ST'	2	Q3 Q62
08-00032-00	TRANSISTOR TIP32C 4A/100V 'ST'	2	Q4 Q61
08-00035-00	TRANSISTOR TIP35C 25A/100V 'ST'	4	Q1 Q2 Q63 Q64
08-00036-00	TRANSISTOR TIP36C 25A/100V 'ST'	4	Q6 Q7 Q58 Q59
08-00064-00	I.C. HUF75344G3 75A 55V TO-247	4	M5 M6.M7 M8
08-10006-01	TRANS MPSA06 TO-92 'ON'	2	Q5 Q60
08-10006-85	TR MMBTA06LT1 SOT-23 'ON'	21	Q8 Q12 Q14 Q15 Q16 Q19 Q22 Q25 Q27 Q28 Q29 Q32 Q35 Q37 Q38 Q43 Q44 Q45 Q49 Q50
08-10056-85	TR MMBTA56LT1 SOT-23 'ON'	19	Q9 Q11 Q17 Q18 Q20 Q21 Q23 Q24 Q26 Q31 Q33 Q34 Q36 Q39 Q40 Q41 Q42 Q52 Q53
08-10647-01	TRANS 2SB647 1A TO-92	2	Q13 Q46
08-10667-01	TRANS 2SD667 1A TO-92	2	Q10 Q48
08-26715-00	TR MPS651G 'ON' 2N6715 TO-237	3	Q30 Q55 Q56
08-26726-00	TR MPS751G 'ON' 2N6726 TO-237	3	Q47 Q54 Q57
09-00038-85	DIODE SK38 3A 80V DO-214AB ^	4	D7 D8 D29 D30
09-00051-85	ZENER 5.1V DL-35 miniMELF	1	DZ5
09-00099-85	DIODE BAV99LT1G 70V SOT23 ^	2	D10 D22
09-01620-01	ULTRA-FAST RECO U16C20C	2	D1 D2
09-01620-02	ULTRA-FAST RECO U16C20A	2	D3 D4
09-04934-85	DL4934-MELF 1A 100V SMD	3	D15 D16 D21
09-08896-00	FET FDP8896 92A 30V 'F'	4	M1 M2 M3 M4
09-14001-85	DIODE 1N4001TB miniMELF SMD	2	D25 D26
09-14148-85	DIODE 1N4148-SOD80 miniMELF	16	D5 D6 D9 D11 D12 D13 D14 D18 D19 D20 D23 D24 D27 D28 D31 D32
09-15401-01	1N5402 3A/200V DC-201AD	1	D17
09-20060-85	ZENER 6V DL-35 miniMELF	5	DZ6 DZ9 DZ8 DZ3 DZ4
09-20100-85	ZENER 10V DL-35 miniMELF	1	DZ7
09-20160-85	ZENER 16V DL-35(miniMELF)	4	DZ1 DZ2 DZ12 DZ13
09-20510-85	ZENER 51V DL-35 miniMELF	2	DZ10 DZ11
13-00207-00	TRIM-6-VERT-500 500 ohm ^	2	VR1 VR5
13-11003-00	TH 100K NTC 6mm DIA	2	TH1 TH2
15-20203-29	B20K*2 F09125G B20Kb L15KQA	2	VR2 VR3
15-40050-11	C50K*4 F09145G C50Kb L15KQA	1	VR4
18-00159-00	SW-4P2T JFPB-41S-A(N)	2	S1 SW1
18-00863-00	SWITCH EG-2315A 2P3T	1	SW2
18-30001-01	SW SV65020F-0203-6H-01-FN	2	SW3 SW4
19-00302-03	LED BLUE 1L0345FB12E0CF001	6	LED1 LED2 LED3 LED4 LED5 LED6
20-00184-00	OUTPUT COIL SE-1000-ZIB	2	L1 L2
20-00242-00	TRANSFORMER KS300.2-1000	1	X1
25-00729-00	WIRE WHITE 1015 #12 210mm 8*8	1	JP10-JP14
25-00743-00	WIRE WHITE 1015 #12 160mm 8*8	1	JP3-JP9
30-00104-00	RJ41 6P BLACK RIGHT ANGLE 90° ^	1	J3
30-00115-00	2P TERMINAL BLOCK XH 2.5 180°	1	J4
30-00289-00	5P BASE XH PH2.0 180°	1	J5
32-00658-09	TERMINAL SLB-KOR-3P BLACK '+' GOLD	1	J6
32-00657-05	TERMINAL SL-KOR-4P BLACK '+' GOLD	1	J2
32-20223-05	JACK 2P WHITE WSP-202V-03	1	J1
76-00239-00	FUSE HOLDER JEF-703E	2	FH1 FH2
76-00407-00	TEST PIN JT-1P-CIW	5	TP1 TP2 TP3 TP4 TP5
78-00284-00	SILICONE TUBE 2mm*6mm	24	M5 M6 M7 M8 Q1 Q2 Q6 Q7 Q58 Q59 Q63 Q64

PART NO.	DESCRIPTION	Q'TY	REF. NO
78-00323-00	SILICONE TUBE 1mm*10mm	4	Q5 Q60
78-00348-00	SILICONE TUBE 1*8mm	30	U1 Q3 Q4 M1 M2 D1 D2 D3 D4 U15 Q61 Q62 M3 M4 TH2
78-00479-00	SILICONE TUBE 1mm*22mm	12	LED1 LED2 LED3 LED4 LED5 LED6
01-00097-00	COPPER JUMPER WIRE 2mm*40mm H=7mm	1	JP1-JP2
01-00092-00	COPPER JUMPER WIRE 2mm*30mm H=7mm	1	JP4-JP8
01-00093-00	COPPER JUMPER WIRE 2mm*53mm H=7mm	1	JP5-JP11
01-00094-00	COPPER JUMPER WIRE 2mm*76mm H=7mm	1	JP6-JP12
01-00095-00	COPPER JUMPER WIRE 2mm*98mm H=7mm	1	JP7-JP13
76-00276-01	FUSE ATC-40A 'UL'	2	FH1 FH2
34-00150-00	5P BASE H7755R-05 L-100mm	1	L+ L- R+ R- GND
24-00316-00	LED BASE 3mm 90° LED-306	1	LED7
19-00335-00	LED 3mm RED 1L0341S11A0TE001 ^	1	LED7
19-00338-00	LED 3mm BLUE 1L034FB12C0TE001 ^	1	LED7
01-50000-85	RESISTOR 0 ohm 0805	1	R157
02-24700-41	E/C 4.7uf 25V 105° 6.3*11	1	C69
04-24720-86	CERAMIC 472/K 50V 0805	1	C55
01-52520-84	RESISTOR 2.5 K 1% 0805	1	R9 R217