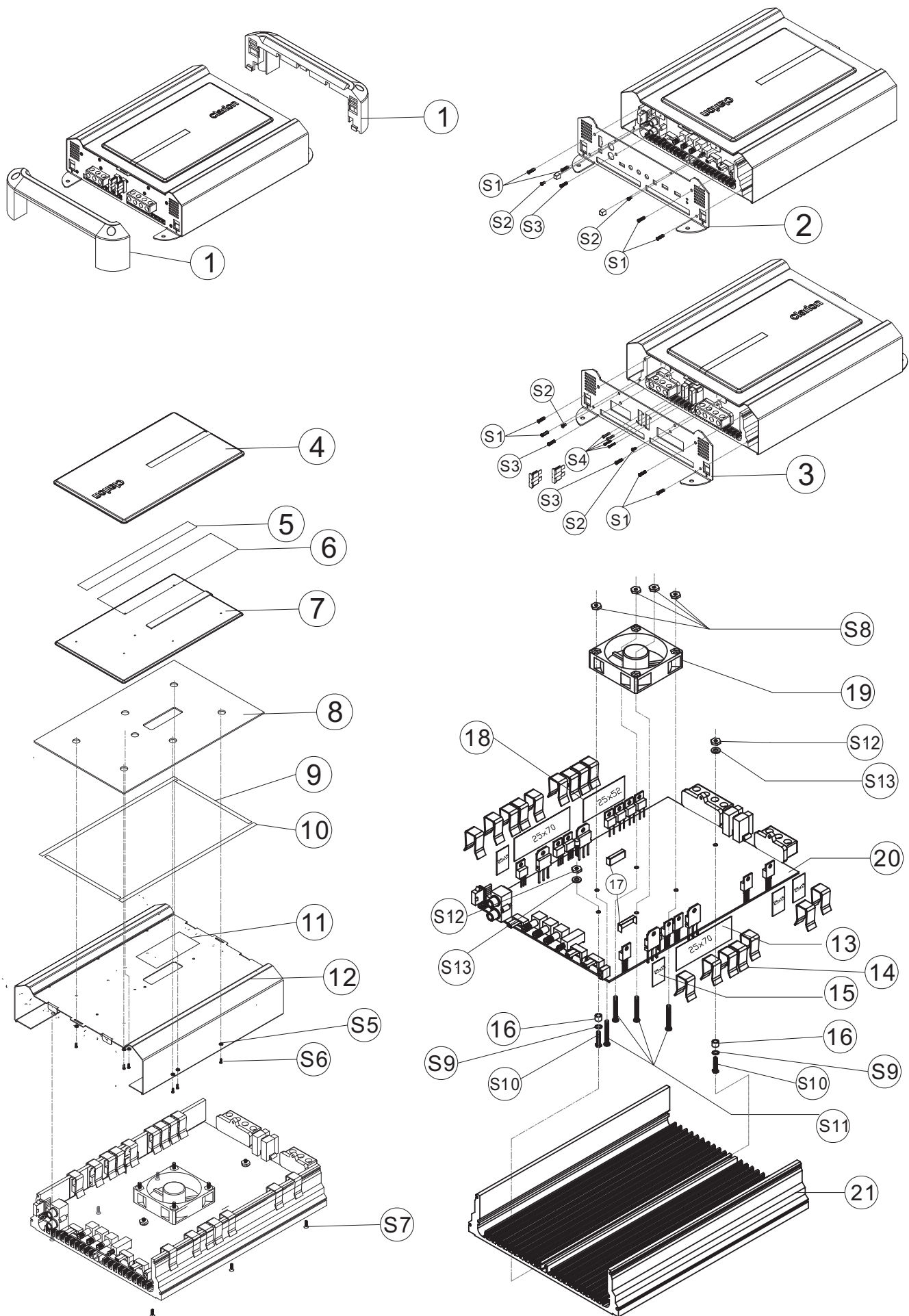


■TROUBLESHOOTING

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

PART NO	DESCRIPTION	Unit	QTY	REF #
UB 73-00193-00	End Caps XH series Black	PCS	2	1
UB 71-00826-00	Front Metal Plate Black XH5210	PCS	1	2
UB 71-00827-00	Rear Metal Plate Black XH5210	PCS	1	3
UB 75-00265-00	Aluminum Logo Plate XH5210	PCS	1	4
UB 78-00531-00	3M Double-side Tape 6mm*210mm	PCS	2	5
UB 78-00547-00	3M Double-side Tape 50mm*205mm	PCS	2	6
UB 75-00264-00	PC Illuminated Plate XH series	PCS	1	7
UB 75-00263-00	PC Plate XH5210	PCS	1	8
UB 78-00541-00	3M Double-side Tape 6mm*130mm	PCS	2	9
UB 78-00532-01	3M Double Side Pad 6mm*240mm	PCS	2	10
UB 76-00460-00	Light guide film FR-1 0.25	PCS	1	11
UB 72-00547-00	Top Metal Plate Black XH5210 L=257.8mm	PCS	1	12
UB 78-00317-00	MICA 25mm*70mm	PCS	2	13
UB 74-00153-00	Clip Black	PCS	16	14
UB 78-00474-00	MICA 25mm*15mm	PCS	4	15
UB YH-00024-01	Copper Ring CU ring 6.3*4.5*inner 4.0NO	PCS	2	16
UB 74-00213-00	Clips for 35C,36C TR	PCS	2	17
UB 78-00395-00	MICA 25mm*52mm	PCS	1	18
UB 75-00001-01	FAN 60mm*15mm H W-50mm+PIN	PCS	1	19
UB 10-00716-00	PCB Assembly APX2181,XH5210 ver 1.02	KIT	1	20
UB 77-00424-00	Heatsink XH5210 Black L=246.8mm	PCS	1	21
UB ST-VH430-08	Round Flat Head Hex Black T3.0*8	PCS	8	S1
UB SM-VH426-05	Round Flat Head Hex Black M2.6*5	PCS	4	S2
UB ST-VH430-10	Round Flat Head Hex Black T3.0*10	PCS	3	S3
UB ST-RP420-08	Round Head black T2.0*8mm	PCS	4	S4
UB YH-00031-00	Washer Dia4.8 / 2.15 0.6mm Black	PCS	6	S5
UB ST-RP420-05	Round Head Black T2.0*5mm	PCS	6	S6
UB SM-NF430-08	Flat Head Hex Black M3.0*8mm	PCS	6	S7
UB NM-OH330-00	NUT M3.0*P0.5	PCS	4	S8
UB YH-00029-00	BW3.5*8*0.5SZ	PCS	2	S9
UB YH-00027-00	Screw H6#-32T*5/8SZ	PCS	2	S10
UB SM-RP430-20	SCREW TRUSS BLACK M3.0*20mm	PCS	4	S11
UB YH-00026-00	Nut K/NUT6#-32TSZ	PCS	2	S12
UB YH-00025-00	Washer PW4.2*10*1.0SZ	PCS	2	S13



ELECTRICAL PART LIST

PART NO	DESCRIPTION	Q'TY	Q'TY	LOCATION NO
UB 01-10001-73	RESISTOR 0.1 ohm 2W 5% MO	4	PCS	R18 R19 R184 R185
UB 01-11002-22	RESISTOR 1.1 ohm 1/2W 5%	2	PCS	R168 R169
UB 01-13000-22	RESISTOR 30 ohm 1/2W MO	1	PCS	R81
UB 01-51010-85	RESISTOR 100 ohm 1% 0805	3	PCS	R74 R75 R128
UB 01-51020-85	RESISTOR 1 K 1% 0805	12	PCS	R14 R15 R16 R17 R27 R39 R50 R71 R72 R130 R162 R166
UB 01-51030-85	RESISTOR 10 K 1% 0805	7	PCS	R83 R99 R112 R119 R120 R121 R122
UB 01-51040-85	RESISTOR 100 K 1% 0805	1	PCS	R117
UB 01-51110-86	RESISTOR 110 ohm 1% 1206	1	PCS	R61
UB 01-51230-86	RESISTOR 12.1 K 1% 0805	4	PCS	R31 R35 R137 R141
UB 01-51420-85	RESISTOR 1.43 K 1% 0805	2	PCS	R93 R98
UB 01-51430-85	RESISTOR 14 K 1% 0805	2	PCS	R80 R84
UB 01-51530-87	RESISTOR 15.8 K 1% 0805	1	PCS	R125
UB 01-51830-86	RESISTOR 18.2 K 1% 1206	1	PCS	R133
UB 01-52010-85	RESISTOR 200 ohm 1% 0805	1	PCS	R145
UB 01-52020-85	RESISTOR 2 K 1% 0805	18	PCS	R5 R26 R29 R33 R95 R96 R101 R102 R103 R104 R105 R106 R129 R139 R143 R163 R164 R171
UB 01-52030-85	RESISTOR 20 K 1% 0805	21	PCS	R37 R43 R46 R48 R57 R58 R62 R64 R67 R69 R76 R77 R85 R87 R89 R90 R92 R109 R165 R182 R183
UB 01-52200-85	RESISTOR 22.1 ohm 1% 0805	17	PCS	R2 R6 R8 R28 R30 R32 R34 R82 R138 R140 R142 R144 R173 R175 R181 R186 R187
UB 01-52320-85	RESISTOR 2.37 K 1% 0805	2	PCS	R52 R54
UB 01-52430-85	RESISTOR 24 K 1% 0805	4	PCS	R36 R42 R45 R47
UB 01-53320-85	RESISTOR 3.32 K 1% 0805	1	PCS	R114
UB 01-53520-85	RESISTOR 3.48 K 1% 0805	2	PCS	R94 R97
UB 01-53530-85	RESISTOR 35.7 K 1% 0805	4	PCS	R60 R65 R79 R88
UB 01-53630-85	RESISTOR 36.5 K 1% 0805	2	PCS	R59 R78
UB 01-53910-85	RESISTOR 392 ohm 1% 0805	1	PCS	R160
UB 01-53910-86	RESISTOR 392 ohm 1% 1206	2	PCS	R53 R116
UB 01-53930-85	RESISTOR 39.2 K 1% 0805	1	PCS	R151
UB 01-54710-85	RESISTOR 475 ohm 1% 0805	7	PCS	R3 R4 R118 R170 R172 R179 R180
UB 01-54710-86	RESISTOR 475 ohm 1% 1206	1	PCS	R73
UB 01-54720-85	RESISTOR 4.75 K 1% 0805	19	PCS	R40 R51 R107 R108 R110 R111 R123 R124 R126 R132 R135 R136 R146 R147 R148 R150 R157 R158 R159
UB 01-54730-85	RESISTOR 47.5 K 1% 0805	3	PCS	R100 R113 R115
UB 01-55001-85	RESISTOR 5.11 ohm 1% 0805	1	PCS	R177
UB 01-55001-87	RESISTOR 5.1 ohm 1% 1206	6	PCS	R24 R25 R41 R44 R66 R68
UB 01-55101-85	RESISTOR 5.11 K 1% 0805	1	PCS	R70
UB 01-55310-85	RESISTOR 536 ohm 1% 0805	2	PCS	R55 R56
UB 01-55618-85	RESISTOR 56.2 ohm 1% 0805	5	PCS	R20 R23 R91 R152 R155
UB 01-55930-85	RESISTOR 59 K 1% 0805	4	PCS	R9 R10 R11 R12
UB 01-56800-85	RESISTOR 681 ohm 1% 0805	5	PCS	R21 R22 R153 R154 R156
UB 01-56820-85	RESISTOR 6.81 K 1% 0805	2	PCS	R1 R176
UB 01-57530-85	RESISTOR 75 K 1% 0805	2	PCS	R63 R86
UB 01-57820-87	RESISTOR 7.87 K 1% 1206	2	PCS	R134 R149
UB 01-58220-85	RESISTOR 8.25 K 1% 0805	1	PCS	R131
UB 01-59010-85	RESISTOR 909 ohm 1% 0805	2	PCS	R13 R167
UB 01-59020-85	RESISTOR 9.09 K 1% 0805	2	PCS	R38 R49
UB 01-59320-85	RESISTOR 9.31 K 1% 0805	1	PCS	R178
UB 02-21000-41	E/C 1uf 50V 5*11	5	PCS	C13 C14 C31 C32 C34

PART NO	DESCRIPTION	Q'TY	Q'TY	LOCATION NO
UB 02-21001-41	E/C 10uf 50V 5*11	3	PCS	C8 C9 C93
UB 02-21003-30	E/C 1000uf 25V 105° 10*20	2	PCS	C82 C95
UB 02-21803-51	E/C 1800uf 35V LOW ESR 18*25	2	PCS	C39 C48
UB 02-22202-32	E/C 220uf 25V 8*11	1	PCS	C38
UB 02-24701-31	E/C 47uf 25V 105° 6.3*11	5	PCS	C2 C15 C47 C76 C97
UB 02-24702-31	E/C 470uf 25V LOW ESR 10*15	2	PCS	C16 C30
UB 02-26803-21	E/C 6800uf 16V LOW ESR 18*30	2	PCS	C66 C79
UB 04-20100-86	CERAMIC 10P/J 50V 0805	6	PCS	C19 C74 C20 C21 C26 C27
UB 04-20270-85	CERAMIC 27P/J 50V 0805	1	PCS	C52
UB 04-20680-85	CERAMIC 68P/J 50V 0805	8	PCS	C7 C22 C28 C56 C57 C63 C64 C89
UB 04-21020-85	CERAMIC 102/K 50V 0805	2	PCS	C17 C70
UB 04-21030-85	CERAMIC 103/K 50V 0805	2	PCS	C67 C72
UB 04-21040-87	CERAMIC 104/Z 50V 0805	22	PCS	C1 C5 C10 C11 C18 C24 C25 C45 C46 C49 C55 C65 C68 C73 C75 C80 C81 C86 C88 C90 C94 C96
UB 04-21500-85	CERAMIC 150P/J 50V 0805	4	PCS	C4 C6 C85 C87
UB 04-21530-85	CERAMIC 153/K 50V 0805	1	PCS	C58
UB 04-22720-85	CERAMIC 272/J 50V 0805	1	PCS	C92
UB 04-22730-85	CERAMIC 273/K 50V 0805	2	PCS	C3 C91
UB 04-23300-85	CERAMIC 330P/K 50V 0805	2	PCS	C23 C29
UB 04-24740-86	CERAMIC 474/Z 25V 0805	3	PCS	C44 C71 C77
UB 06-00104-03	CAP MMYL ECQV 1H104JL 50V P=5	6	PCS	C12 C33 C35 C36 C37 C41
UB 06-00393-00	CAP MMYL ECQB 1H393JF 50V P=5	2	PCS	C83 C84
UB 06-00472-02	CAP MMYL ECQB 1H472JF 50V P=5	1	PCS	C42
UB 06-00562-00	CAP MMYL ECQB 1H562JF 50V P=5	4	PCS	C50 C51 C61 C62
UB 06-00563-00	CAP MMYL ECQB 1H563JF 50V P=5	4	PCS	C53 C54 C59 C60
UB 07-00072-85	IC TL072CDR 'TI' SOIC SMD	2	PCS	U5 U8
UB 07-00074-85	IC TL074CDR 'TI' SOIC SMD	4	PCS	U2 U3 U4 U7
UB 07-00431-85	IC TL431IDBZR 'TI' SOT-23-3	1	PCS	U14
UB 07-00716-00	IC PIC16F716-I/P	1	PCS	U6
UB 07-00817-00	IC H11A817 'FSC'	3	PCS	U9 U11 U13
UB 07-03525-85	IC SG3525AP SO16 SMD 'ST'	1	PCS	U15
UB 07-05532-85	IC NJM5532M JRC SOIC SMD	2	PCS	U10 U12
UB 07-L7815-00	REGULATOR L7815CV TO-220 'ST'	1	PCS	U16
UB 07-L7915-00	REGULATOR L7915CV TO-220 'ST'	1	PCS	U1
UB 08-00031-00	TRANSISTOR TIP31C 4A/100V 'ST'	2	PCS	Q2 Q31
UB 08-00032-00	TRANSISTOR TIP32C 4A/100V 'ST'	2	PCS	Q3 Q30
UB 08-00035-00	TRANSISTOR TIP35C 25A/100V 'ST'	2	PCS	Q1 Q32
UB 08-00036-00	TRANSISTOR TIP36C 25A/100V 'ST'	2	PCS	Q5 Q28
UB 08-10006-01	TRANS MPSA06 TO-92 'ON'	2	PCS	Q4 Q29
UB 08-10006-85	TR MMBTA06LT1 SOT-23 'ON'	11	PCS	Q6 Q9 Q10 Q13 Q14 Q15 Q18 Q21 Q22 Q25 Q26
UB 08-10056-85	TR MMBTA56LT1 SOT-23 'ON'	5	PCS	Q11 Q12 Q17 Q19 Q20
UB 08-10647-01	TRANS 2SB647 1A TO-92	2	PCS	Q7 Q23
UB 08-10667-01	TRANS 2SD667 1A TO-92	2	PCS	Q8 Q24
UB 08-26715-00	TR MPS651G 'ON' 2N6715 TO-237	1	PCS	Q16
UB 08-26726-00	TR MPS751G 'ON' 2N6726 TO-237	1	PCS	Q27
UB 08-50N06-00	FET FQP50N06 TO-220AB 'FAIRCHILD'	2	PCS	M1 M2
UB 09-00051-85	ZENER 5.1V DL-35 miniMELF	1	PCS	DZ2
UB 09-00099-85	DIODE BAV99LT1G 70V SOT23 ^	2	PCS	D8 D11
UB 09-04934-85	DL4934-MELF 1A 100V SMD	2	PCS	D9 D10
UB 09-14001-85	DIODE 1N4001TB miniMELF SMD	2	PCS	D13 D14
UB 09-14148-85	DIODE 1N4148-SOD80 miniMELF	8	PCS	D5 D6 D7 D12 D15 D16 D18 D19
UB 09-15401-01	1N5402 3A/200V DC-201AD	1	PCS	D17
UB 09-20060-85	ZENER 6V DL-35 miniMELF	1	PCS	DZ1
UB 09-20100-85	ZENER 10V DL-35 miniMELF	1	PCS	DZ3
UB 09-20510-85	ZENER 51V DL-35 miniMELF	2	PCS	DZ4 DZ5

PART NO	DESCRIPTION	Q'TY	Q'TY	LOCATION NO
UB 09-40008-00	MUR820PBF / U08A20C 'MOSPEC'	4	PCS	D1 D2 D3 D4
UB 11-00768-00	PCB XH5210 V1.03	1	PCS	
UB 13-00207-00	TRIM-6-VERT-500 500 ohm ^	2	PCS	VR1 VR5
UB 13-00208-00	POT TRIM-6MM-VERT-220ohm ^	1	PCS	V1
UB 13-11003-00	TH 100K NTC 6mm DIA	2	PCS	TH1 TH2
UB 15-20203-29	B20K*2 F09125G B20Kb L15KQA	2	PCS	VR2 VR3
UB 15-40050-11	C50K*4 F09145G C50Kb L15KQA	1	PCS	VR4
UB 18-00159-00	SW-4P2T JFPB-41S-A(N)	2	PCS	S1 SW1
UB 18-00863-00	SWITCH EG-2315A 2P3T	1	PCS	SW2
UB 18-30001-01	SW SV65020F-0203-6H-01-FN	2	PCS	SW3 SW4
UB 19-00302-03	LED BLUE 1L0345FB12E0CF001 ^	6	PCS	LED1 LED2 LED3 LED4 LED5 LED6
UB 20-00128-00	INDUCTOR 1KW T157-52 CORE	1	PCS	L2
UB 20-00184-00	OUTPUT COIL SE-1000-ZIB	2	PCS	L1 L3
UB 20-00249-00	TRANSFORMER APX2180-2	1	PCS	X1
UB 30-00115-00	2P TERMINAL BASE XH 2.5 180°	1	PCS	J3
UB 30-00289-00	5P BASE XH PH2.0 180°	1	PCS	J4
UB 32-00655-02	TERMINAL SL-KOR-3P BLACK	1	PCS	J5
UB 32-00657-05	TERMINAL SL-KOR-4P BLACK	1	PCS	J2
UB 32-20223-05	JACK 2P WSP-202V-03	1	PCS	J1
UB 75-00001-01	FAN 60mm*15mmH W-50mm+PIN	1	PCS	FAN1
UB 76-00239-00	FUSE HOLDER JEF-703E	2	PCS	FH1 FH2
UB 76-00407-00	TEST PIN JT-1P-CIW	4	PCS	TP1 TP2 TP3 TP4
UB 76-00392-00	FUSE ATC-20A 'UL' YELLOW	2	PCS	FH1 FH2
UB 78-00284-00	SILICON TUBE 2mm*6mm	8	PCS	Q1 Q5 Q28 Q32
UB 78-00323-00	SILICON TUBE 1mm*10mm	4	PCS	Q4 Q29
UB 78-00348-00	SILICON TUBE 1mm*8mm	26	PCS	M1 M2 Q31 Q30 U16 D1 D2 D3 D4 Q3 Q2 U1 TH2
UB 78-00479-00	SILICON TUBE 1mm*22mm	12	PCS	LED1 LED2 LED3 LED4 LED5 LED6
UB SM-RP430-20	SCREW TRUSS BLACK M3.0*20mm	4	PCS	FAN
UB NM-OH330-00	NUT M3.0*P0.5	4	PCS	FAN
UB 34-00150-00	5P BASE OB H7755R-05 L-100mm	1	PCS	R+ R- L+ L- GND
UB 35-00121-00	5P CONNECTOR H7755P-05 L-300mm	1	PCS	ATTACHEMENT
UB 24-00316-00	LED HOLDER 3mm 90° LED-306	1	PCS	LED7
UB 19-00335-00	LED 3mm RED 1L0341S11A0TE001 ^	1	PCS	LED7
UB 19-00338-00	LED 3mm BLUE 1L034FB12C0TE001 ^	1	PCS	LED7
UB 01-50000-85	RESISTOR 0 ohm 0805	1	PCS	R127
UB 02-24700-41	E/C 4.7uf 25V 105° 6.3*11	1	PCS	C69
UB 04-24720-86	CERAMIC 472/K 50V 0805	1	PCS	C43
UB 01-52520-84	RESISTOR 2.5 K 1% 0805	2	PCS	R7 R174