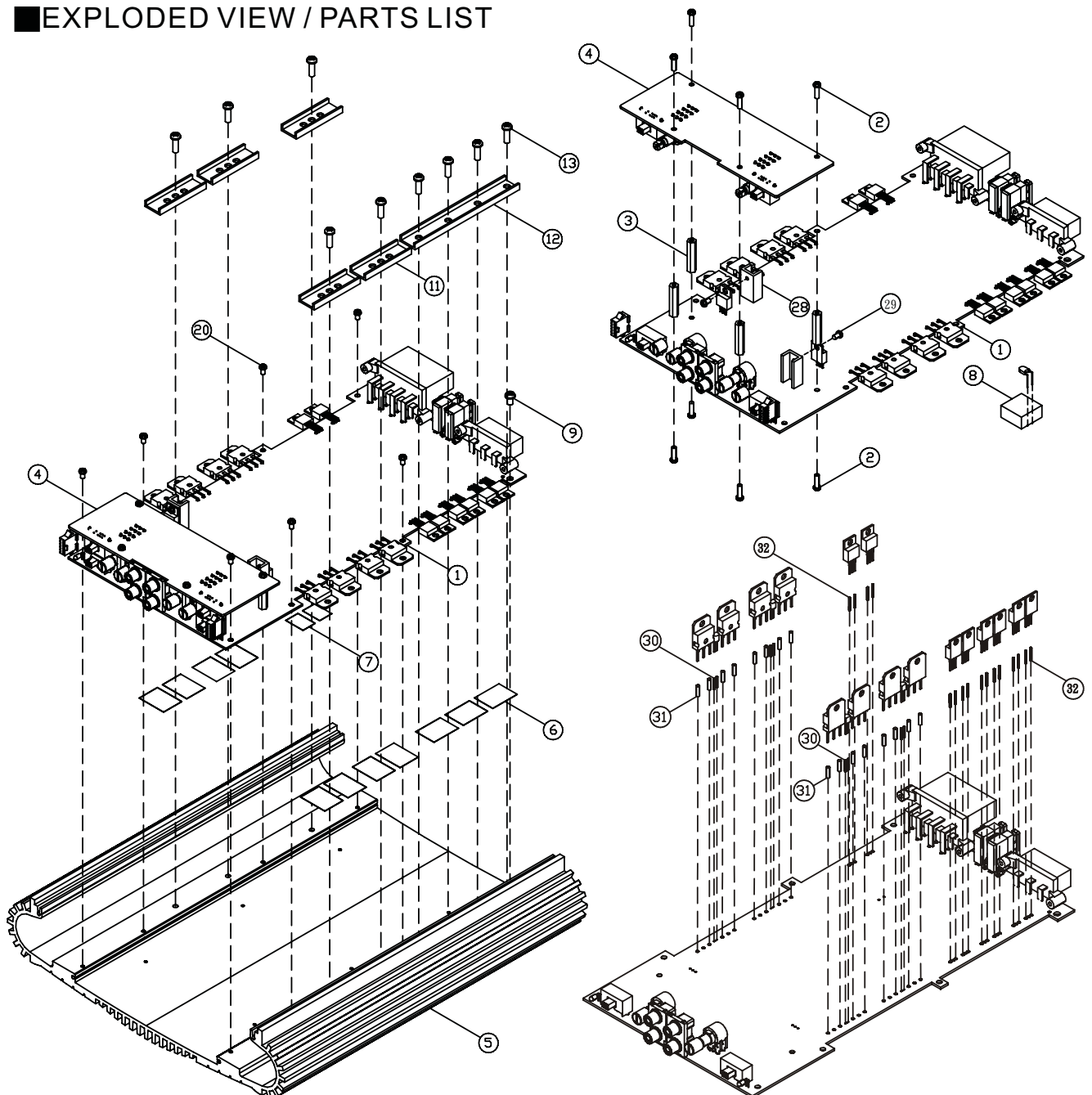
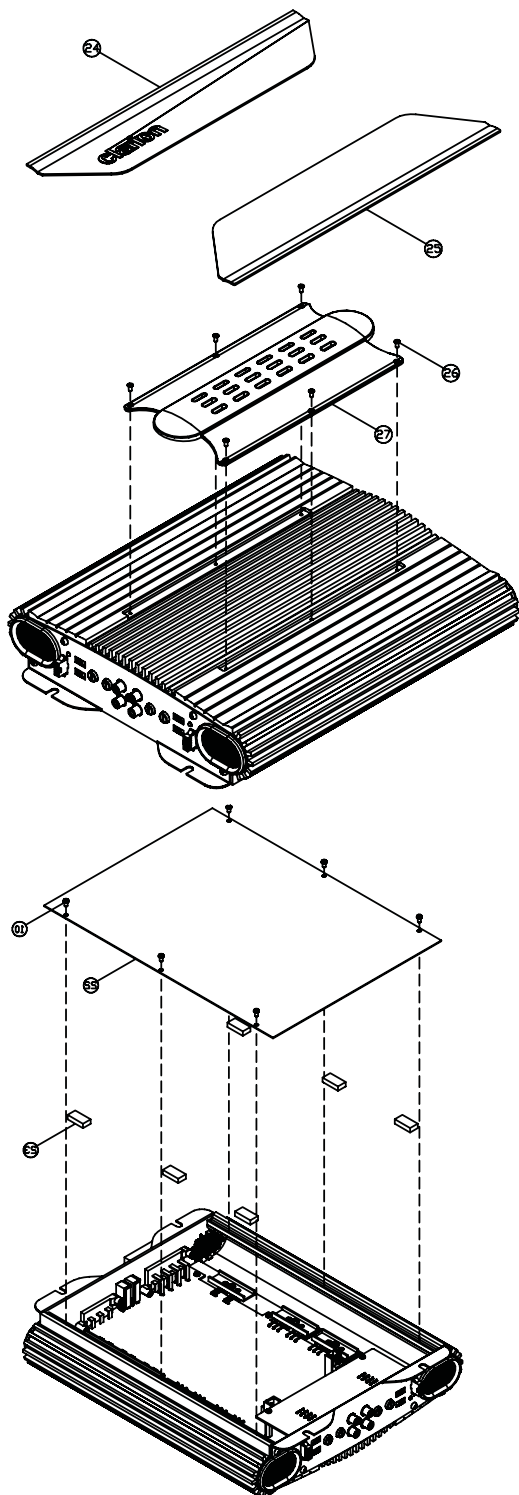
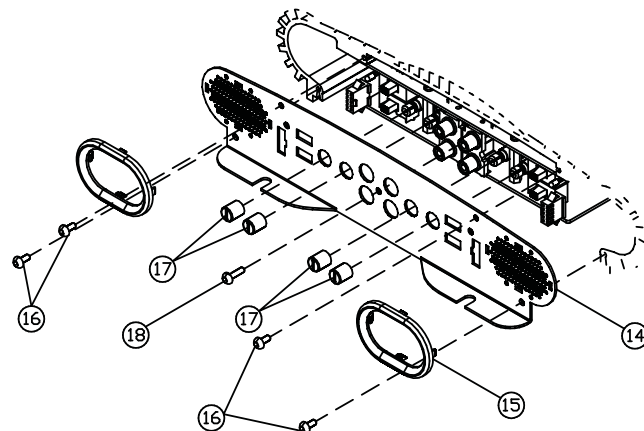
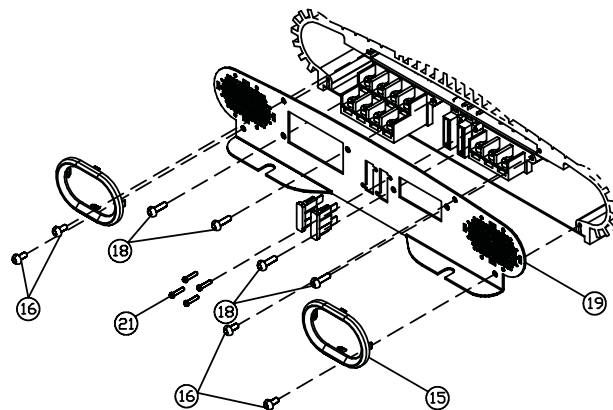


■TROUBLESHOOTING

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	Unit	Qty
1	UB PCB-2915-16CE	PCB 296*155.5*1.6mm	PCS	1
2	UB LS-FBD0-0310	SCREWΦ3X10(ROUND HEAD "+")	PCS	8
3	UB MM-2503-0000	HEX PLASTIC BAR 25mm	PCS	4
4	UB PCB-1565-16HB	PCB 154.25*65.75*1.6mm	PCS	1
5	UB 93-DB29-2764	HEATSINK 298mm	PCS	1
6	UB TIN-AMIT2-013	MIKA 24*18*0.1mm	PCS	11
7	UB TIN-AMIT2-014	MIKA 18*13*0.1mm	PCS	2
8	UB 29-2020-0010-ED	EVA FOAM 20X20X10mm BLACK	PCS	1
9	UB LS-FSD0-0406	SCREW M/RΦ4X6(B HEAD; NICKLE PLATED)	PCS	1
10	UB LS-FBDG-0610-02	SCREWΦ3X6("+") BLACK	PCS	6
11	UB JJ-FS46-1506	BAR 45.5MM 3-HOLE SPCC ZINK PLATED	PCS	5
12	UB JJ-FS96-1506	BAR 100mm 4-HOLE ZINK PLATED	PCS	1
13	UB LS-FBD0-0412-01	SCREW M/R Φ4X12(B-HEAD) BLACK W/WASHER	PCS	9
14	UB MG-APX4240-L	FRONT PANEL	PCS	1
15	UB MM-APX2120	EYE PLASTIC RING ABS	PCS	4
16	UB LS-FBCG-0308	SCREWΦ3X8("+") HEX) BLACK	PCS	8
17	UB 04-0809-00GG	VR CAP (ABS)Φ8.5x9.5mm	PCS	4
18	UB LS-FBDG-0312	SCREWΦ3X12(HEX "+") BLACK	PCS	5
19	UB MG-APX4240-R	REAR PANEL	PCS	1
20	UB LS-FBBG-0306	SCREW Φ3X6(B HEAD) BLACK	PCS	7
21	UB LS-FBCG-0210	SCREWΦ2X8("+") BLACK	PCS	4
22	UB MG-APX4240-02	BOTTOM COVER:SPCC BLACK	PCS	1
23	UB 29-2010-0500-ED	EVA FOAM 5X10X20mm	PCS	6
24	UB NP-APX1300L	BADGE	PCS	1
25	UB MG-APAPX4240-01	TOP COVER	PCS	1
26	UB LS-FBCG-0205	SCREW Φ2.6X5("+" HEAD) BLACK	PCS	6
27	UB MG-APX4240	DECORATION PLATE:ABS	PCS	1
28	UB 93-DS22-1222	MINI HEATSINK 22.5*12.5*8*2.2	PCS	2
29	UB LS-FBDG-0610-02	SCREW Φ3X6(P-HEAD) BLACK	PCS	2
30	UB RSG-1001-WT	SILICON TUBE 1.0X10mm	PCS	18
31	UB RSG-0801-WT	SILICON TUBE 1.0X8.5mm	PCS	8
32	UB RSG-1510-WT	SILICON TUBE 2.0X8mm	PCS	16

ELECTRICAL PART LIST MAIN PCB

PART NO	NAME SPEC	UNIT	QUA	REMARK
UB CCL-471J2AOAP-01	C/C 470PF/50V "K" PITCH: 2.5mm	PCS	4	C1 C2 C3 C4
UB CCL-330J1HOAP	C/C 33PF/50V "K" PITCH: 2.5mm	PCS	4	C10 C13 CL305 CL405
UB CML-333J2AOAP-02	M/C 333J 100V "J" PITCH: 5mm	PCS	12	C24 C25 C26 C28 C29 C30 C32 C33 C34 C35 C36 C37
UB CEP476J1EHR5P-02	E/C 47UF/25V "M" 105' $\phi 5 \times 11$ mm	PCS	4	C27 C31 C38 C39
UB CML-104J2AOAP-04	M/C 104J 100V "J" PITCH: 7mm	PCS	10	C40 C41 CA105 CA109 CA205 CA209 CA305 CA309 CA405 CA409
UB CEP106J1HHR5P-02	E/C 10UF/50V "M" 105' $\phi 5 \times 11$ mm	PCS	11	C5 C6 C7 C8 CA101 CA201 CA301 CA401 CP7 CP8 CP19
UB CML-473J2AOAP-04	M/C 473J 100V "J" PITCH: 5mm	PCS	1	C9
UB CML-122J2AOAP-01	M/C 122J 100V "J" PITCH: 4mm	PCS	4	CA102 CA202 CA302 CA402
UB CEP226J1EHR5P-01	E/C 22UF/25V "M" 105' $\phi 5 \times 11$ mm	PCS	4	CA103 CA203 CA303 CA403
UB CCL-101J2AOAP-01	C/C 100PF/50V "K" PITCH: 2.5mm	PCS	8	CA104 CA106 CA204 CA206 CA304 CA306 CA404 CA406
UB CEP105J1HHR5P-02	E/C 1UF/50V "M" 105' $\phi 5 \times 11$ mm	PCS	4	CA107 CA207 CA307 CA407
UB CCL-220J2AOAP-01	C/C 22PF/50V "K" PITCH: 2.5mm	PCS	4	CA108 CA208 CA308 CA408
UB CEP107J1EHR6P-02	E/C 100UF/25V "M" 105' $\phi 6.3 \times 12$ mm	PCS	1	CP1
UB CEP227J1CHRAP-01	E/C 220UF/16V "M" 105' $\phi 6.3 \times 12$ mm	PCS	1	CP12
UB CEP227J1EHRAP-02	E/C 220UF/25V "M" 105' $\phi 8 \times 12$ mm	PCS	2	CP15 CP16
UB CCL-104J2AOAP-01	C/C 100NF/50V "M" PITCH: 2.5mm	PCS	3	CP17 CP18 CP6
UB CML-472J2AOAP-01	M/C 472J 100V "J" PITCH: 4mm	PCS	1	CP3
UB CEP228J1VHRAP-02	E/C 2200UF/35V "M" 105' LOW ESR	PCS	6	CP4 CP5 CP10 CP11 CP13 CP14
UB CCL-681J2EOAP-01	C/C 680PF/250V "K" PITCH: 2.5mm	PCS	1	CP9
UB DS-D0IN4148-T-01	DIODE IN4148	PCS	19	DA101 DA102 DA201 DA202 DA301 DA302 DA401 DA402 DP2 DP3 DP4 DP5 DP6 DP10 DP13 DP14 DP15 DP11 DP12
UB DR-D0IN5400-T-01	DIODE IN5400	PCS	1	DP1
UB DR-D0IN4001-T-01	DIODE IN4001	PCS	1	DP7
UB DR-D01620CC-T	FRD U1620C "ON" TO-220AB	PCS	1	DP8
UB DR-D01620CA-T	FRD U1620A "ON" TO-220AB	PCS	1	DP9
UB FUSE-HDCP002	FUSE HOLDER BLACK	PCS	2	F1 F2
UB PW-25SN-ZZZ05-01	5 PIN	PCS	1	FL+IN FR+IN HI GND RL+IN RR+IN
UB PW-25SF-ZZZ04-01	4 PIN 2.5mm	PCS	2	FLA FRA FRB FLB / RRA RLA RLB RRB
UB FUSE-F32F30H-01	FUSE 30A (UL)	PCS	2	FUSE1 FUSE2
UB 61-WB80-0400	WIRE 60mm 4PIN 26#AWG	PCS	1	G1 G + -
UB ST-FS09-0400	GND Connect wire 4.2	PCS	1	GND
UB 40-LH13-0060	JUMP 13mm $\phi 0.6$ mm	PCS	7	J1 J2 J7 J15 J28 J67 J68
UB 40-LH07-0060	JUMP 7mm $\phi 0.6$ mm	PCS	26	J13 J14 J17 J18 J26 J27 J29 J30 J31 J45 J47 J51 J52 J54 J55 J56 J57 J61 J69 J71 J72 J73 J74 J75
UB 40-LH135-0060	JUMP 15mm $\phi 0.6$ mm	PCS	13	J20 J34 J36 J39 J42 J53 J62 J63 J3(5PCS)
UB 40-LH10-0060	JUMP 10mm $\phi 0.6$ mm	PCS	24	J3 J6 J9 J10 J11 J16 J21 J24 J25 J32 J33 J35 J37 J38 J40 J41 J43 J44 J46 J48 J49 J50 J58 J59
UB PB-50RN-08-02	TERMINAL 8PIN	PCS	1	JA1
UB JR-24CVC-0012	RCA JACK 4PIN	PCS	1	JL101
UB 40-LH25-0200	COPPER WIRE $\phi 2$ mm*1.0 "	PCS	4	JMP23 JMP34 JMP46 JMP28
UB 40-LH12-0200-01	COPPER WIRE $\phi 2$ mm*0.5 "	PCS	1	JMP24
UB 40-LH38-0200	COPPER WIRE $\phi 2$ mm*1.5 "	PCS	1	JMP33
UB 40-LH50-0200	COPPER WIRE $\phi 2$ mm*2.0 "	PCS	3	JMP5 JMP50 JMP51
UB 40-LH44-0200	COPPER WIRE $\phi 2$ mm*1.75 "	PCS	1	JMP60
UB 40-LH11-0200-01	COPPER WIRE $\phi 2$ mm*4.5 "	PCS	2	JMP61 JMP62
UB 40-LH63-0200	COPPER WIRE $\phi 2$ mm*2.5 "	PCS	2	JMPA101 JMPA301
UB	COPPER WIRE $\phi 2$ mm*0.3 "	PCS	1	JMPA307
UB PB-50RN-03-04	TERMINAL 3PIN	PCS	1	JP1
UB LD-R0U30-001R	LED $\phi 3$ mm RED	PCS	1	LEDP1
UB LD-R0U30-005E	LED $\phi 3$ mm BLUE	PCS	1	LEDP2
UB LC-GG05-0000	Inductor 5uH	PCS	1	LP1
UB IA-0000PC817H	OPT LTV-817	PCS	1	OPTP1
UB ST1-0C3198H-01	Transistor C3198 TO-92 "KEC"	PCS	29	Q1 QA101 QA103 QA105 QA109 QA114 QA201 QA203 QA205 QA209 QA214 QA301 QA303 QA305 QA309 QA314 QA401 QA403 QA405 QA409 QA414 QP1 QP10 QA108 QA208 QA308 QA408
UB ST1-0A1266H-01	Transistor A1266 TO-92 "KEC"	PCS	19	QA104 QA106 QA107 QA204 QA206 QA207 QA304 QA306 QA307 QA404 QA406 QA407 QA102 QA202 QA302 QA402 QP2
UB ST1-00D667T-01	TRANS D667 TO-92L "HITACH"	PCS	4	QA110 QA210 QA310 QA410
UB ST1-00B647H-01	TRANS B647 TO-92L "HITACH"	PCS	5	QA111 QA211 QA311 QA411 QP11
UB ST1-TIP35CH	TRANS TIP35C "ST" TO-218	PCS	4	QA112 QA212 QA312 QA412
UB ST1-TIP36CH	TRANS TIP36C "ST" TO-218	PCS	4	QA113 QA213 QA313 QA413

PART NO	NAME SPEC	UNIT	QUA	REMARK
UB RC-102JW4-MLT-01	RES 1K 1/4W 5%	PCS	3	R1 RP9 RP10
UB RC-432JW2-MLT	RES 4K3 1/2W 5%	PCS	2	R2 RP11
UB RN2551JW8-MLT	RES 2K55 1/8W 5%	PCS	1	R23
UB RC-220JW4-MLT-01	RES 22 1/4W 5%	PCS	1	R3
UB RC-133JW8-MLT	RES 13K 1/8W 5%	PCS	4	RA101 RA201 RA301 RA401
UB RC-182JW8-MLT-01	RES 1K8 1/8W 5%	PCS	4	RA102 RA202 RA302 RA402
UB RC-102JW2-MLT-01	RES 1K 1/2W 5%	PCS	5	RA103 RA303 RP26 RP30 RP32
UB RC-102JW8-MLT-01	RES 1K 1/8W 5%	PCS	22	RA104 RA107 RA110 RA127 RA203 RA204 RA207 RA210 RA227 RA304 RA307 RA310 RA327 RA403 RA404 RA407 RA410 RA427 RL120 R29 R32 R34
UB RC-221JW8-MLT-01	RES 220R 1/8W 5%	PCS	7	RA105 RA106 RA205 RA206 RA305 RA306 RA406
UB RC-330JW8-MLT-01	RES 33R 1/8W 5%	PCS	16	RA108 RA109 RA111 RA112 RA208 RA209 RA211 RA212 RA308 RA309 RA311 RA312 RA408 RA409 RA411 RA412
UB RC-302JW8-MLT-01	RES 3K 1/8W 5%	PCS	4	RA113 RA213 RA313 RA413
UB RC-392JW8-MLT-01	RES 3K9 1/8W 5%	PCS	4	RA114 RA214 RA314 RA414
UB RC-272JW8-MLT-01	RES 2K7 1/8W 5%	PCS	4	RA115 RA215 RA315 RA415
UB RC-470JW8-MLT-01	RES 47R 1/8W 5%	PCS	16	RA116 RA117 RA118 RA119 RA216 RA217 RA218 RA219 RA316 RA317 RA318 RA319 RA416 RA417 RA418 RA419
UB RC-563JW8-MLT-01	RES 56K 1/8W 5%	PCS	20	RA120 RA121 RA220 RA221 RA320 RA321 RA420 RA421 RL118 RL218 RL318 RL418 RP1 RP27 RP28 R24 RL112 R28 R31 R33
UB RC-3R0JW2-MLT	RES 3R 1/2W 5%	PCS	8	RA122 RA124 RA222 RA224 RA322 RA324 RA422 RA424
UB RC-221JW4-MLT-01	RES 220 1/4W 5%	PCS	7	RA123 RA223 RA323 RA423 RP13 RP14 RA405
UB RW-R15J05-QPP-01	RES 0R15 5W SQM 5%	PCS	8	RA125 RA126 RA225 RA226 RA325 RA326 RA425 RA426
UB RC-153JW8-MLT-01	RES 15K 1/8W 5%	PCS	8	RA128 RA228 RA328 RA428 R11 R12 R16 R19
UB RN6601JW4-MLT	RES M.F 6K6 1/4W 1%	PCS	4	RA129 RA229 RA329 RA429
UB RC-103JW8-MLT-01	RES 10K 1/8W 5%	PCS	17	RA130 RA230 RA330 RA430 RL115 RL315 RL320 RL420 RP8 RP12 RP18 RP22 RP23 RP36 RP37
UB RC-4R7JW2-MLT-01	RES 4R7 1/2W 5%	PCS	4	RA131 RA231 RA331 RA431
UB RC-203JW8-MLT-01	RES 20K 1/8W 5%	PCS	8	RL103 RL111 RL203 RL211 RL303 RL311 RL403 RL411
UB RC-332JW8-MLT-01	RES 3K3 1/8W 5%	PCS	6	RL113 RL214 RL313 RL329 RL414 RL116
UB RC-154JW8-MLT-01	RES 150K 1/8W 5%	PCS	6	RL117 RL217 RL317 RL417 RP6
UB RC-682JW8-MLT-01	RES 6K8 1/8W 5%	PCS	4	RL125 RL225 RL325 RL419
UB RC-104JW8-MLT-01	RES 100K 1/8W 5%	PCS	4	RL302 RL402 R4 R5
UB RC-470JW4-MLT-01	RES 47 1/4W 5%	PCS	6	RP15 RP17 RP19 RP20 RP38 RP39
UB RN2432JW8-MLT	RES 24K3 1/8W 5%	PCS	1	RP2
UB RC-103JW2-MLT	RES 10K 1/2W 5%	PCS	1	RP21
UB RC-220JW2-MLT-01	RES 22 1/2W 5%	PCS	1	RP24
UB RC-332JW4-MLT-01	RES 3K3 1/4W 5%	PCS	1	RP25
UB RC-470JW2-MLT-01	RES 47 1/2W 5%	PCS	1	RP29
UB RC-562JW2-MLT	RES 5K6 1/2W 5%	PCS	1	RP35
UB RC-432JW4-MLT-01	RES 4K3 1/4W 5%	PCS	1	RP5
UB RC-221JW2-MLT-01	RES 220 1/2W 5%	PCS	1	RP7
UB SW-PL23X-004	SW SLIDE 2P3T	PCS	2	SWL101 SWL301
UB TMS-PTD103-002	THERMISTOR 10K	PCS	1	T3
UB BYQ-3100-00	TRANSFORMER	PCS	1	TP1
UB IA-0000L7815H-01	Regulator IC 1A W/MINI HEATSINK L7815 TO-220	PCS	1	U1
UB IA-0000L7915H-01	Regulator IC 1AW/MINI HEATSINK L7915 TO-220	PCS	1	U2
UB IA-0004565DDH	IC JRC4565DD DIP8	PCS	6	UL101 UL102 UL103 UL301 UL302 UL303
UB IA-00TL494CN-01	IC TL494CN DIP-16PIN "TI"	PCS	1	UP1
UB VR-R2B104-011	VR 100KB DUAL POT	PCS	2	VRL101 VR301
UB DZ-390S239W5T	ZENER 39V 1/2W	PCS	2	ZDP1 ZDP2

CROSS-OVER

PARTNO	NAME SPEC	UNIT	QUA	REMARK
UB PW-25SF-ZZZ04-01	4 PIN 2.5mm	PCS	1	+ - G1 G2
UB OML-223J2AOAP-03	P/E 223J/63V 5%	PCS	8	C1 C2 C3 C4 C9 C10 C11 C12
UB OML-104J2AOAP-04	M/C 104J 100V	PCS	2	C14 C16
UB CEP106J1HHR5P-02	E/C 106J/50V "M" 106 ϕ 6*11mm	PCS	8	C19 C20 C23 C25 C27 C29 C31
UB OCL-470J2AOAP-01	O/C 47PF/50V "K" PITCH 2.5mm	PCS	8	C21 C22 C24 C26 C28 C30 C32
UB OML-224J1JOAP-02	P/E 224J/63V 5%	PCS	4	C5 C8 C13 C17
UB OML-393J1JOAP	P/E 393J/63V 5%	PCS	4	C6 C7 C15 C18
UB 61-BW10-0500	HIGH LEVEL INPUT: 5 PIN CONNECTOR OR CABLE L=100mm	PCS	2	FL+ FL- FR+ FR- RL+ RL- RR+ RR- HI LEVEL INPUT
UB 61-WB80-0500	WIRE 60mm 5PIN 26#AWG	PCS	1	FL+IN FR+IN HI-GND RL+IN RR+IN
UB 61-WB80-0400	WIRE 60mm 4PIN 26#AWG	PCS	1	FLA FRA FRB FLB
UB 40-LH05-0060	JUMP 5MM ϕ 0.6MM	PCS	1	J1
UB 40-LH07-0060	JUMP 7MM ϕ 0.6MM	PCS	7	J2 J4 J5 J7 J9 J10 J13
UB 40-LH13-0060	JUMP 13MM ϕ 0.6MM	PCS	2	J3 J8
UB 40-LH10-0060	JUMP 10MM ϕ 0.6MM	PCS	3	J6 J11 J12
UB RC-563J/8-MLT-01	RES 56K 1/8W 5%	PCS	4	R1 R3 R11 R15
UB RC-393J/8-MLT-01	RES 39K 1/8W 5%	PCS	4	R2 R6 R14 R16
UB RC-471J01-MLT	RES 470 1W 5%	PCS	4	R21 R28 R34 R40
UB RC-203J/8-MLT-01	RES 20K 1/8W 5%	PCS	16	R22 R23 R24 R25 R29 R30 R31 R32 R35 R36 R37 R38 R41 R42
UB RC-272J/8-MLT-01	RES 2K7 1/8W 5%	PCS	4	R4 R5 R12 R13
UB RC-204J/8-MLT-01	RES 200K 1/8W 5%	PCS	4	R7 R8 R17 R18
UB RC-153J/8-MLT-01	RES 15K 1/8W 5%	PCS	4	R9 R10 R19 R20
UB 61-WB80-0400	WIRE 60mm 4PIN 26#AWG	PCS	1	RRB RLB RLA RRA
UB SW-PL23X-004	SW SLIDE 2P3T	PCS	2	SW1 SW2
UB IA-0004565DDH	JRC4565DD DIP-8PIN	PCS	6	U1 U2 U3 U4 U5 U6
UB VR-R4B204	ROTARY POTENTIONMETERS/R1283G2-KQ15-B200K	PCS	2	VRL1 VRL2