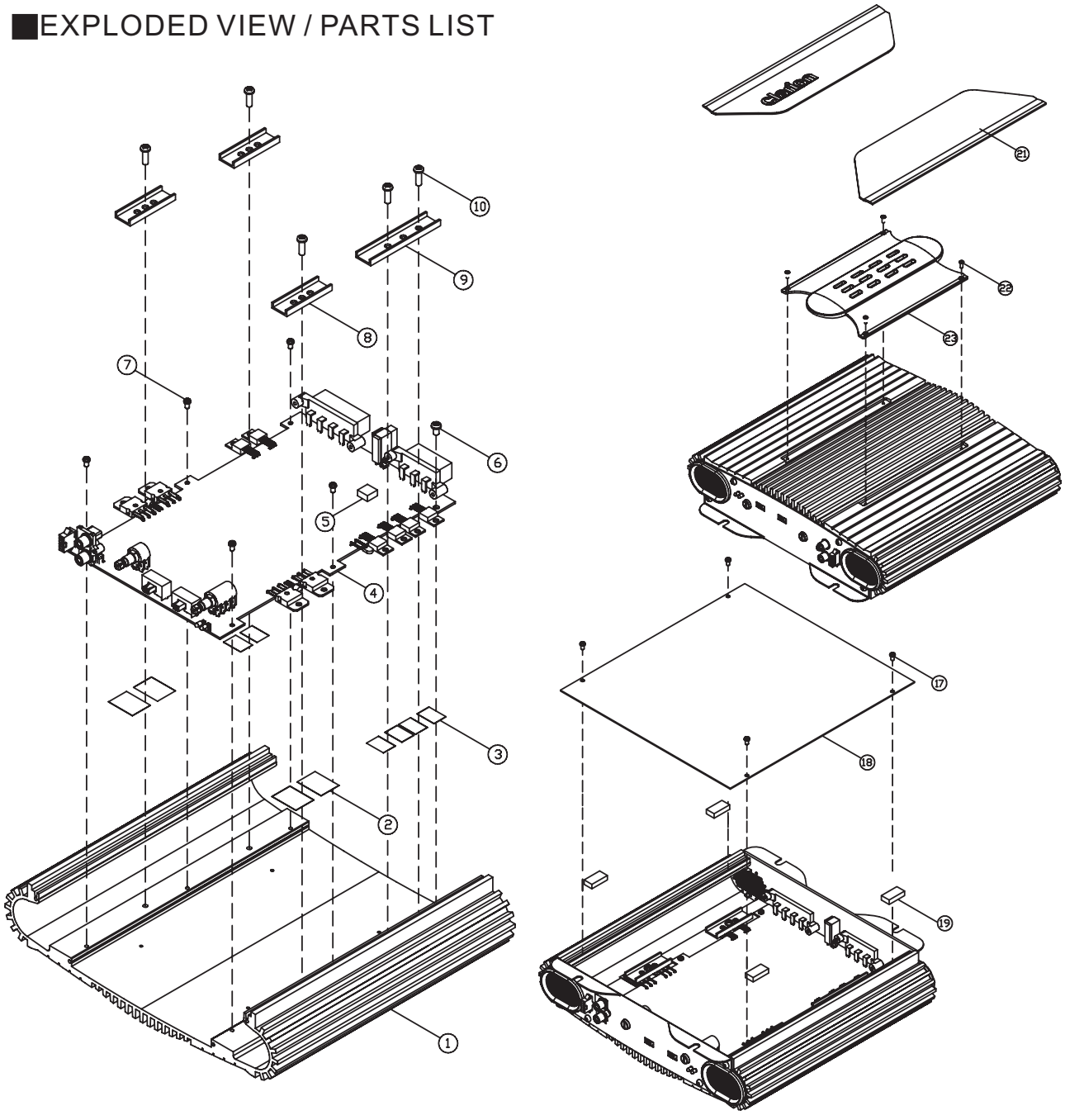
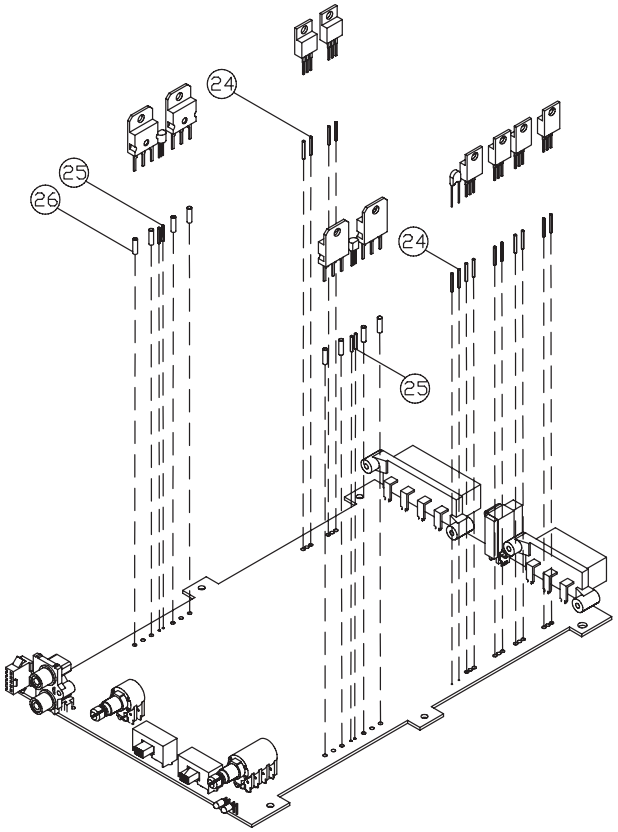
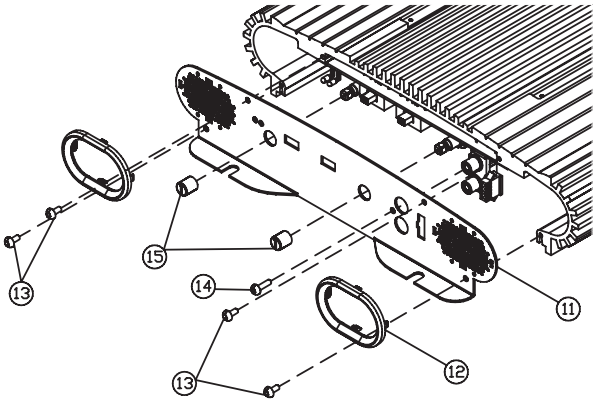
■TROUBLESHOOTING

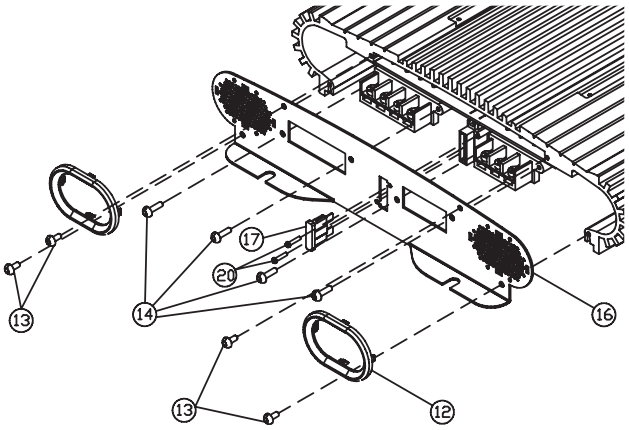
PROBLEM	POSSIBLE CAUSE	SOLUTION
NO AUDIO	LOW OR NO REMOTE TURN-ON VOLTAGE	CHECK REMOTE CONNECTIONS AT AMPLIFIER AND SOURCE UNIT.
	BLOWN AMPLIFIER FUSE	REPLACE WITH NEW FAST-BLOW FUSE (SAME RATING).
	POWER WIRES NOT CONNECTED	CHECK BATTERY AND GROUND WIRING AT AMPLIFIER; ALSO CHECK BATTERY CONNECTIONS.
	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	SPECIFICATION	Q'TY
1	UB 93-APX2120	HEATSINK	BLACK 238*273*65 APX	1
2	UB TIN-AMIT2-013	MICA	24*18*0.1mm	4
3	UB TIN-AMIT2-014	MICA	17*12*0.1mm	6
4	UB PCB-2315-16HB	PCB	236*155.5*1.6T/mm BLUE 94V0 SINGLE	1
5	UB 29-1010-0500-ED	EVA FOAM	10*10*5mm BLACK	1
6	UB LS-FSD0-0406	SCREW	M/Rψ4*6mm BH	1
7	UB LS-FBBG-0306	SCREW	3*6(B HEAD) BLACK,	5
8	UB JJ-FS46-1506	TREADLE BAR	46*15*5mm 3-HOLE ZIN-PLATED	3
9	UB JJ-FS70-1506	TREADLE BAR	70*15*5mm 3-HOLE ZIN-PLATED	1
10	UB LS-FBD0-0412-01	SCREW	4*12mm RH BLACK	5
11	UB MG-APX2120-L	FRONT PANNEL	BLACK SECC	1
12	UB MM-APX2120	DECORATION PLATE	EYE BLACK ABS	4
13	UB LS-FBCG-0308	SCREW	3*8mm HEX BLACK	8
14	UB LS-FBDG-0312	SCREW	3*12mm RH HEX BLACK	5
15	UB SW-PL23X-004	SWITCH	2P3T 9.5*10mm	2
16	UB MG-APX2120-R	REAR PANNEL	BLACK SECC	1
17	UB LS-FBDG-0610-02	SCREW	3*6mm RH BLACK	4
18	UB MG-APX2120-02	BOTTOM COVER	BLACK SPCC	1
19	UB 29-2010-0500-ED	EVA FOAM	20*10*5mm BLACK	4
20	UB LS-FBCG-0210	SCREW	ψ2*10mm RH Philip, BLACK	2
21	UB MG-APX2120-L-01	DECORATION PLATE	LEFT ALUMINIUM	1
21	UB MG-APX2120-R-01	DECORATION PLATE	RIGHT ALUMINUM	1
22	UB LS-FBCG-0205	SCREW	2.6*5mm flat,Philip, BLACK	4
23	UB MG-APX2120	DECORATION PLATE	ABS777	1
24	UB RSG-1001-WT	SILICON TUBE	Φ1.0*10mm	14
25	UB RSG-0801-WT	SILICON TUBE	Φ1.0*8mm	4
26	UB RSG-1510-WT	SILICON TUBE	Φ2.0*8mm	8

■ELECTRICAL PART LIST

PART NO.		DESCRIPTION	SPECIFICATION	Q'TY	LOCATION NO.
UB	CEP106J1HHR5P-02	E/ CAPACITOR	10uF/50V 105℃ BLACK	11	C1 C2 C6 C7 C9 C12 CP7 CP8 CP9 CA5 CA6
UB	CCL-330J1HOAP	C/ CAPACITOR	33P/50V	2	C13 C14
UB	CML-473J2AOAP-04	M/ CAPACITOR	473J/100V	1	C15
UB	CCL-471J2AOAP-01	C/ CAPACITOR	470P/100V	2	C3 C4
UB	CML-223J2AOAP-03	P/E CAPACITOR	223/100V	4	C5 C8 C10 C11
UB	CEP105J1HHR5P-02	E/ CAPACITOR	1uF/50V 105℃ BLACK	2	CA12 CA16
UB	CCL-220J2AOAP-01	C/ CAPACITOR	22P/100V	2	CA14 CA15
UB	CML-104J2AOAP-04	M/ CAPACITOR	104J/100V	4	CA17 CA18 CA1 CA2
UB	CCL-101J2AOAP-01	C/ CAPACITOR	100P/50V	4	CA3 CA4 CA11 CA13
UB	CEP226J1EHR5P-01	E/ CAPACITOR	22uF/25V 105℃ BLACK	2	CA7 CA8
UB	CML-122J2AOAP-01	M/ CAPACITOR	122J/100V	2	CA9 CA10
UB	CML-224J1JOAP-02	P/E CAPACITOR	224/63V	2	CL1 CL12
UB	CML-393J1JOAP	P/E CAPACITOR	393J/63V 5%	2	CL14 CL16
UB	CML-333J2AOAP-01	M/ CAPACITOR	333J/100V	6	CL2 CL3 CL5 CL8 CL10 CL11
UB	CEP476J1EHR5P-02	E/ CAPACITOR	47uF/25V 105℃ BLACK	2	CL4 CL6
UB	CCL-470J2AOAP-01	C/ CAPACITOR	47P/100V 2.5mm	4	CL7 CL9 CL13 CL15
UB	CEP227J1EHRAP-02	E/ CAPACITOR	220uF/25V 105℃ BLACK	2	CP1 CP2
UB	CEP108J1VHRAP-02	E/ CAPACITOR	1000uF/35V 105℃	4	CP10 CP11 CP15 CP17
UB	CEP108J1EHRAP-01	E/ CAPACITOR	1000uF/25V 105℃	2	CP12 CP14
UB	CCL-681J2EOAP-01	C/ CAPACITOR	680P/250V	1	CP16
UB	CEP227J1CHRAP-01	E/ CAPACITOR	220uF/16V 105℃ BLACK	1	CP3
UB	CCL-104J2AOAP-01	C/ CAPACITOR	104J/100V	3	CP4 CP13 CP18
UB	CML-472J2AOAP-01	M/ CAPACITOR	472J/100V	1	CP5
UB	CEP107J1EHR6P-02	E/ CAPACITOR	100uF/25V 105℃ BLACK	1	CP6
UB	LD-R0U30-001R	LED	Φ3 RED	1	D1
UB	LD-R0U30-005E	LED	Φ3 BLUE	1	D2
UB	DS-D0IN4148-T-01	DIODE	IN4148	15	DA1 DA2 DA3 DA4 DP1 DP2 DP3 DP4 DP5 DP6 DP8 DP9 DP10 DP13 DP14
UB	DR-D01620CA-T	DIODE	U16C20A TO-220AB	1	DP11
UB	DR-D01620CC-T	DIODE	U16C20C TO-220AB	1	DP12
UB	DS-D0IN5400-T-01	DIODE	IN5400	1	DP15
UB	DS-D0IN4004-T	DIODE	IN4004 DO-41 400V 1A	1	DP7
UB	FUSE-HDCP002	FUSE HOLDER	BLACK NICKLE PLATED	1	FP1
UB	FUSE-F25F30H-02	FUSE	25A 32V	1	FP1
UB	ST-FS90-0400	GROUND PLATE	4.2*9mm	1	GND
UB	40-LH10-0060	JUMMPER	Φ0.6*10mm	21	J11 J12 J17 J18 J23 J24 J25 J28 J30 J31 J34 J35 J38 J41 J43 J44 J46 J47 J48 J51 J53
UB	40-LH20-0060	JUMMPER	Φ0.6*20mm	2	J14 J16
UB	40-LH17-0060	JUMMPER	Φ0.6*17mm	2	J15 J22
UB	40-LH15-0060	JUMMPER	Φ0.6*15mm	2	J29 J33
UB	40-LH07-0060	JUMMPER	Φ0.6*6mm	11	J3 J4 J5 J9 J13 J21 J40 J49 J50 J54 J55
UB	40-LH13-0060	JUMMPER	Φ0.6*13mm	12	J7 J8 J19 J20 J26 J27 J32 J36 J37 J39 J42 J45
UB	PB-50RN-04-04	TERMINAL	4P BLACK JSZ4-01	1	JA1
UB	JR-12CVA-002Z	RCA JACK	2P RED/WHITE AV2-8.4-13A	1	JL1
UB	61-BW10-0500	HI-LEVEL INPUT	5P PLATE L=110MM	1	JL2
UB	40-LH11-0200	JUMMPER	Φ2*115mm H=20mm	1	JMP1
UB	40-LH38-0200	JUMMPER	Φ2*20*38mm	1	JMP10
UB	40-LH12-0200-02	JUMMPER	Φ2*127mm H=20mm	1	JMP2
UB	40-LH50-0200	JUMMPER	Φ2*20*50mm	2	JMP3 JMP5
UB	40-LH89-0200	JUMMPER	Φ2*20*89mm	1	JMP4
UB	40-LH25-0200	JUMMPER	Φ2*25*20mm	4	JMP6 JMP7 JMP8 JMP9
UB	PB-50RN-03-04	TERMINAL	3P	1	JP1
UB	LC-GG05-0000	INDUCTOR	3uH Φ14	1	LP1
UB	IA-0000PC817H	OPTOCOUPLER	PC817 DIP4	1	OPTP1
UB	ST1-00B647H-01	TRIODE	B647 TO-92L	3	QA1 QA2 QP6
UB	ST1-TIP35CH	TRANSISTOR	TIP35C TO-218	2	QA15 QA16
UB	STI-00D667T-01	TRIODE	D667 TO-92M	2	QA17 QA18
UB	ST1-0A1266H-01	TRIODE	A1266 TO-92	11	QA3 QA13 QA9 QA21 QP4 QA4 QA14 QA11 QA22 QP8 QP12

PART NO.		DESCRIPTION	SPECIFICATION	Q'TY	LOCATION NO.
UB	ST1-0A1266H-01	TRANSISTOR	A1266 TO-92	11	QA3 QA4 QA13 AQ14 AQ21 QA22 QA9 QA11 QP4 QP8 QP12
UB	ST1-TIP36CH	TRANSISTOR	TIP36C TO-218	2	QA5 QA6
UB	ST1-0C3198H-01	TRIODE	C3198 TO-92	17	QA8 QA7 QA20 QA24 QA25 QA28 QA19 QA27 QA23 QA26 QP1 QP2 QP3 QP5 QP7 QA10 QA12
UB	ST1-IRFZ44H	MOSFET	IRFZ44N TO-220AB	4	QP9 QP10 QP11 QP13
UB	RC-220JW8-MLT-01	RESISTORS	22R 1/8W 5%	1	R10
UB	RC-204JW8-MLT-01	RESISTORS	200K 1/8W 5%	2	R2 R4
UB	RW-R15J05-QPP-01	RESISTORS	0.15Ω 5W SQW立式 25.5*13	4	RA1 RA4 RA34 RA35
UB	RC-563JW8-MLT-01	RESISTORS	56K 1/8W 5%	13	RA11 RA14 RA44 RA45 RL12 RL20 RL21 RL27 RL28 RP13 RP19 R1 R5
UB	RC-102JW8-MLT-01	RESISTORS	1K 1/8W 5%	8	RA12 RA13 RA20 RA42 RA43 RA54 RL2 RL10
UB	RC-3R0JW2-MLT	RESISTORS	3R 1/2W 5%	4	RA2 RA28 RA15 RA48
UB	RC-272JW8-MLT-01	RESISTORS	2K7 1/8W 5%	4	RA21 RA22 RL8 RL13
UB	RC-221JW2-MLT-01	RESISTORS	220R 1/2W 5%	3	RA23 RA49 RP8
UB	RC-392JW8-MLT-01	RESISTORS	3K9 1/8W 5%	2	RA24 RA25
UB	RC-102JW2-MLT-01	RESISTORS	1K 1/2W 5%	5	RA29 RA51 RP6 RP21 RP7
UB	RC-221JW8-MLT-01	RESISTORS	220R 1/8W 5%	2	RA3 RA50
UB	RC-133JW8-MLT	RESISTORS	13K 1/8W 5%	2	RA30 RA31
UB	RC-302JW8-MLT-01	RESISTORS	3K 1/8W 5%	2	RA32 RA33
UB	RC-182JW8-MLT-01	RESISTORS	1K8 1/8W 5%	2	RA36 RA37
UB	RC-470JW4-MLT-01	RESISTORS	47Ω/1/4W	13	RA5 RA6 RA7 RA8 RA38 RA39 RA40 RA41 RP30 RP33 RP35 RP37 RP14
UB	RN6601JW4-MLT	RESISTORS	6K6 1/4W 1%	2	RA52 RA53
UB	RC-103JW8-MLT-01	RESISTORS	10K 1/8W 5%	11	RA56 RA59 RL19 RL22 RL34 RP3 RP4 RP16 RP17 RP22 RP24
UB	RC-102JW4-MLT-01	RESISTORS	1K 1/4W 5%	4	RA57 RP27 RP29 RA55
UB	RC-153JW4-MLT-01	RESISTORS	15K 1/4W 5%	2	RA58 RA60
UB	RC-4R7JW2-MLT-01	RESISTORS	4.7Ω/1/2W	2	RA61 RA62
UB	RC-330JW8-MLT-01	RESISTORS	33R 1/8W 5%	8	RA9 RA10 RA16 RA19 RA26 RA27 RA46 RA47
UB	RC-203JW8-MLT-01	RESISTORS	20K 1/8W 5%	12	RL1 RL15 RL18 RL35 RL6 RL14 RL24 RL25 RL33.RL36 R6 R9
UB	RC-153JW8-MLT-01	RESISTORS	15K 1/8W 5%	4	RL17 RL31 R7 R8
UB	RC-154JW8-MLT-01	RESISTORS	150K 1/8W 5%	4	RL26 RL29 RP12 RP18
UB	RC-682JW8-MLT-01	RESISTORS	6K8 1/8W 5%	2	RL3 RL11
UB	RC-393JW8-MLT-01	RESISTORS	39K 1/8W 5%	2	RL30 R3
UB	RC-471J01-MLT	RESISTORS	470Ω/1W	2	RL4 RL23
UB	RC-104JW8-MLT-01	RESISTORS	100K 1/8W 5%	2	RL5 RL9
UB	RC-332JW8-MLT-01	RESISTORS	3K3 1/8W 5%	3	RL7 RL16 RL32
UB	RC-331J03-MLT	RESISTORS	330Ω/3W	2	RP1 RP2
UB	RC-103JW4-MLT-01	RESISTORS	10K 1/4W 5%	2	RP10 RP32
UB	RC-303JW8-MLT-01	RESISTORS	30K 1/8W 5%	1	RP11
UB	RC-563JW4-MLT-01	RESISTORS	56K 1/4W 5%	1	RP15
UB	RC-332JW4-MLT-01	RESISTORS	3K3 1/4W 5%	1	RP20
UB	RC-162JW8-MLT-01	RESISTORS	1K6 1/8W 5%	1	RP23
UB	RC-432JW2-MLT	RESISTORS	4.3K 1/2W 5%	1	RP25
UB	RC-432JW4-MLT-01	RESISTORS	4K3 1/4W 5%	1	RP26
UB	RC-103JW2-MLT	RESISTORS	10K 1/2W 5%	1	RP28
UB	RC-221JW4-MLT-01	RESISTORS	220R 1/4W 5%	4	RP31 RP36 RA17 RA18
UB	RC-220JW2-MLT-01	RESISTORS	22R 1/2W 5%	1	RP34
UB	RC-562JW2-MLT	RESISTORS	5K6 1/2W 5%	1	RP5
UB	RC-302JW4-MLT-01	RESISTORS	3K 1/4W 5%	1	RP9
UB	SW-PL23X-004	SWITCH	2P3T SK-23E01 6MML	2	SWL1 SWL2
UB	TMS-PTD103-002	THERMISTOR	10K	1	TH1
UB	BYQ-APA250	TRANSFORMER	Φ31 80UH 0.3MH	1	TP1
UB	IA-0004565DDH	IC	JRC4565 DIP 8 FEET	6	UL1 UL2 UL3 UL4 UL5 UL6
UB	IA-00TL494CN-01	IC	TL494CN DIP 16FEET	1	UP1
UB	VR-R2B104-011	VR	100K L=15MM 18TEETH	1	VRL1
UB	VR-R4B204	VR	B200K L=15MM 18TEETH	1	VRL2
UB	DZ-150S21501T-01	DIODE	15V/1W	2	ZDP1 ZDP2