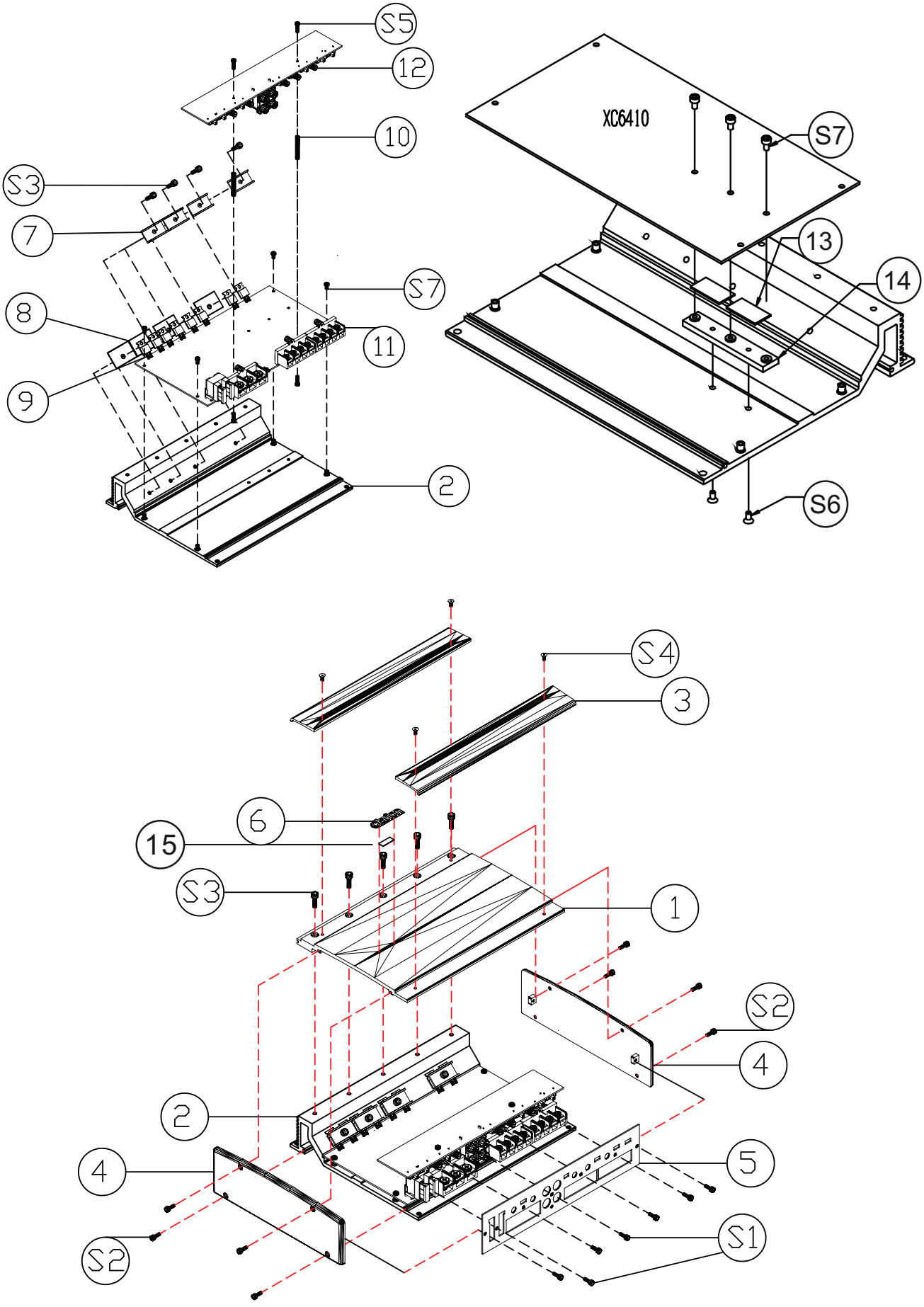
■TROUBLESHOOTING

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	Q'ty	UNIT	Location No.
UB- 72-00584-00	XC6410 TOP PLATE L=212	PCS	1	1
UB- 77-00458-00	HEATSINK XC6410 212mm	PCS	1	2
UB- 73-00206-00	TOP DECO ALU PLATE	PCS	2	3
UB- 71-00884-00	SIDE PANEL ABS	PCS	2	4
UB- 71-00885-00	XC6410 FROND PANEL	PCS	1	5
UB- 75-00279-00	LOGO BADGE	PCS	1	6
UB- 74-00179-00	BRACKET L-29mm NI	PCS	4	7
UB- 78-00569-00	MIKA 19.85mm*32mm	PCS	4	8
UB- 78-00458-00	SILICON TUBE 1mm*6mm	PCS	16	9
UB- 74-00178-00	HEX BAR H-30	PCS	2	10
UB- 10-00838-00	XC6410 PCB ASSY V- 1.04	KIT	1	11
UB- 10-00837-00	XC6410 VRB ASSY V- 1.04	KIT	1	12
UB- 76-00468-00	GAP PAD 5000S35 12.7X23.6mm	PCS	2	13
UB- 76-00470-00	FET HEAT SINK 66.04mm	PCS	1	14
UB- 78-00567-00	3M TWIN ADHESIVE 6x15mm	PCS	1	15
UB- ST-IH530-08	TAP SCREW HEX BLACK T3*8mm	PCS	7	S1
UB- SM-IH630-08	SCREW HEX STEEL T3*8mm	PCS	8	S2
UB- SM-IH240-12	SCREW W/WASHER M4*12mm	PCS	9	S3
UB- SM-NF630-06	SCREW FLAT HEX M3*6mm	PCS	4	S4
UB- SM-IH430-12	SCREW HEX BLACK M3.0*12mm	PCS	4	S5
UB- SM-NF630-08	SCREW FLAT HEX STEEL M3*8mm	PCS	2	S6
UB- SM-IH430-05	SCREW HEX BLACK M3.0*5mm	PCS	7	S7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■ELECTRICAL PART LIST

PC BOARD

Part No.	Description	Q'ty	UNIT	Location No.
UB- 02-23303-51	E/C 3300uf 35V ESR 105C 18*35 P=7.5mm	PCS	4	C11 C18 C37 C48
UB- 04-21040-89	CERAMIC 104Z 50V Y5V 0603	PCS	13	C1-2 C9-10 C12 C28 C54 C68-69 C74-76 C82
UB- 04-20330-87	CERAMIC 33P/J 50V NPO 0603	PCS	4	C14-17
UB- 04-23350-85	CERAMIC 3.3uF/K 10V X5R 0805	PCS	8	C20 C22 C24 C26 C92 C94 C96 C98
UB- 04-22720-63	CERAMIC 272/J 50V X7R 0603	PCS	1	C27
UB- 04-21500-63	CERAMIC 150P/J 50V NPO 0603	PCS	4	C33-36
UB- 02-21001-86	E/C 10uf 25V 105° 5*5.4 SMT	PCS	18	C3-5 C8 C13 C19 C21 C23 C25 C29-32 C39 C41 C43 C45 C67
UB- 02-22201-84	E/C 22uf 16V 105° 5*5.4 SMT	PCS	4	C38 C40 C42 C44
UB- 02-24702-54	E/C 470U 35V ESR 10*20 P=5 TAPE	PCS	2	C46 C62
UB- 06-00472-02	CAP MMYL ECQB 1H472JF 50V P=5	PCS	1	C47
UB- 04-21050-90	CERAMIC 1uF/Z 50V Y5V 1206	PCS	8	C49-52 C58-61
UB- 02-21002-70	E/C 100U 100V ESR 10*25 P=5 TAPE	PCS	2	C53 C56
UB- 04-21050-91	CERAMIC 1uF/M 100V X7R 1210	PCS	2	C55 C57
UB- 02-21002-29	E/C 100U 16V 105C 5*11 P=2.5 TAPE	PCS	1	C63
UB- 02-23303-31	E/C 3300uf 25V ESR 105C 18*26 P=7.5mm	PCS	3	C64-66
UB- 02-21001-60	E/C 10U 63V 105C 5*11 P=2.5 TAPE	PCS	2	C6-7
UB- 06-00104-02	CAP MMYL ECQV 1104JM 100V P=5	PCS	4	C70-73
UB- 06-00105-04	PPN 1uF 250V 10% P=15mm	PCS	4	C77-80
UB- 04-21030-86	CERAMIC 103/K 50V X7R 0603	PCS	1	C81
UB- 04-24740-86	CERAMIC 474/Z 25V Y5V 0805	PCS	1	C83
UB- 04-21020-86	CERAMIC 102/K 50V X7R 0603	PCS	12	C84-91 C93 C95 C97 C99
UB- 09-01620-01	ULTRA-FAST RECO U16C20C	PCS	1	D1
UB- 09-40120-86	RECTIFIER MURA120T3 'ON' SMA	PCS	4	D10 D12 D14 D16
UB- 09-01620-02	ULTRA-FAST RECO U16C20A	PCS	1	D2
UB- 09-14148-85	DIODE DL4148-SOD80 miniMELF	PCS	11	D3-9 D11 D13 D15 D17
UB- 09-20510-85	ZENER 51V DL-35 miniMELF	PCS	2	DZ2-3
UB- 09-20056-86	ZENER 5.6V 500mW SOD-323	PCS	1	DZ5
UB- 76-00459-00	FUSE SOCKET BXS-03	PCS	1	F2
UB- 76-00224-01	FUSE 30A	PCS	2	F2
UB- 30-00299-00	CON100-2X3 FCI 75869-131LF	PCS	1	J1
UB- 26-00373-01	CABLE GRAY 10PIN 60mm 3*3	PCS	1	J2
UB- 32-00700-00	TERMINAL JSZ3-03A BLACK	PCS	1	J3
UB- 32-00701-00	TERMINAL JSZ4-03A BLACK	PCS	2	J4-5
UB- 20-00154-00	INPUT INDUCTOR 4uH MB41004	PCS	1	L1
UB- 20-00295-00	INDUCTOR Sagami 7G17B	PCS	4	L2-5
UB- 19-00291-01	LED 3mm G/R ROUND TIP BOG333b	PCS	1	LED1
UB- 08-02807-00	HEXFET IRF2807 82A 75V	PCS	4	M1-4
UB- 09-06645-85	MOSFET IRF6645TRPBF	PCS	8	M5-12
UB- 08-10647-01	TRANS 2SB647 1A TO-92 TAPE	PCS	1	Q11
UB- 08-02707-85	2SD2707 EMT3 50V 150mA ROHM	PCS	4	Q12-15
UB- 08-10006-85	TR MMBTA06LT1 SOT-23 'ON'	PCS	4	Q3 Q6 Q16-17
UB- 08-10056-85	TR MMBTA56LT1 SOT-23 'ON'	PCS	6	Q4-5 Q7-10
UB- 01-54710-83	RESISTOR 475 ohm 1% 0603	PCS	1	R100

UB-	01-58410-83	RESISTOR 845 ohm 1% 0603	PCS	4	R101-104
UB-	01-51000-83	RESISTOR 10 ohm 1% 0603	PCS	20	R105-106 R108-109 R111-112 R114-115 R142-143 R146-147 R150-151 R154-155 R157-160
UB-	01-53920-86	RESISTOR 3.92 K 1% 0603	PCS	4	R107 R110 R113 R116
UB-	01-52710-83	RESISTOR 274 ohm 1% 0603	PCS	2	R11 R21
UB-	01-51220-83	RESISTOR 1.21 K 1% 0603	PCS	4	R117-120
UB-	01-52030-86	RESISTOR 20 K 1% 0603	PCS	4	R1-2 R48 R85
UB-	01-51040-86	RESISTOR 100 K 1% 0603	PCS	9	R12-13 R18 R44-47 R74-75
UB-	01-58220-83	RESISTOR 8.25 K 1% 0603	PCS	12	R126 R128 R130 R132 R34-41
UB-	01-53320-86	RESISTOR 3.32 K 1% 0603	PCS	4	R134 R136 R138 R140
UB-	01-54730-86	RESISTOR 47.5 K 1% 0603	PCS	15	R14 R29-32 R61-64 R70-73 R90 R97
UB-	01-53330-83	RESISTOR 33.2 K 1% 0603	PCS	4	R141 R145 R149 R153
UB-	01-54700-30	RESISTOR 4.7 ohm 1% 0603	PCS	4	R144 R148 R152 R156
UB-	01-53020-83	RESISTOR 3.01 K 1% 0603	PCS	10	R15 R26 R52-55 R121-124
UB-	01-11510-95	RESISTOR 150 ohm 5% 2512	PCS	1	R161
UB-	01-51030-86	RESISTOR 10 K 1% 0603	PCS	13	R17 R27-28 R91 R98 R125 R127 R129 R131 R133 R135 R137 R139
UB-	01-51530-83	RESISTOR 15 K 1% 0603	PCS	2	R20 R19
UB-	01-52230-83	RESISTOR 22.1 K 1% 0603	PCS	4	R22-25
UB-	01-51020-86	RESISTOR 1 K 1% 0603	PCS	10	R33 R60 R65-68 R56-59
UB-	01-55108-83	RESISTOR 51.1 ohm 1% 0603	PCS	3	R3-4 R49
UB-	01-52020-86	RESISTOR 2 K 1% 0603	PCS	1	R42
UB-	01-13000-72	RESISTOR 30 ohm 2W 5% MO	PCS	1	R43
UB-	01-59320-83	RESISTOR 9.31 K 1% 0603	PCS	1	R50
UB-	01-51110-83	RESISTOR 110 ohm 1% 0603	PCS	1	R51
UB-	01-55001-86	RESISTOR 5.1 ohm 1% 0603	PCS	4	R6-7 R9-10
UB-	01-55030-83	RESISTOR 50 K 1% 0603	PCS	4	R76 R78 R81-82
UB-	01-53030-83	RESISTOR 30.1 K 1% 0603	PCS	5	R79-80 R84 R92 R99
UB-	01-55618-85	RESISTOR 56.2 ohm 1% 0805	PCS	1	R83
UB-	01-52220-90	RESISTOR 2.2 K 1% 1206	PCS	4	R86-89
UB-	01-52200-12	RESISTOR 22 ohm 1W 1% TAPE	PCS	4	R93-96
UB-	13-00227-85	THERMISTOR 100K NTC 5% 0603	PCS	2	TH1-2
UB-	76-00407-00	TEST PIN JT-1P-CIW	PCS	2	TP1-2
UB-	07-00317-00	IC LM317 TO-220 'ST'	PCS	1	U1
UB-	07-00337-00	IC LM337 KA337TU TO-220 'FSC'	PCS	1	U2
UB-	07-L7812-85	REGULATOR L7812ACD2T 'ST' D2PAK SMT	PCS	1	U3
UB-	07-L0002-85	REGULATOR L79L05ABUTR 'ST' SOT-89 SMT	PCS	1	U4
UB-	07-00393-85	IC LM393DT 'ST' SMT SOIC8	PCS	1	U49
UB-	07-L0001-85	REGULATOR L78L05CUTR 'ST' SOT-89 SMT	PCS	1	U5
UB-	07-9S08S-85	MICRO FREESCALE MC9S08SFVTJ	PCS	1	U50
UB-	07-02092-85	CLASS D IRS2092SPBF	PCS	4	U51-54
UB-	07-03525-85	IC SG3525AP SO16 'ST' SMT SO16	PCS	1	U8
UB-	13-00226-85	TRIM POT 100 ohm 3mm SMT	PCS	4	VR1-4
UB-	20-00296-00	TRANSFORMER XC6410-01	PCS	1	X1

VR BOARD

Part No.	Description	Q'ty	UNIT	Location No.
UB- 04-21040-89	CERAMIC 104Z 50V Y5V 0603	PCS	16	C1 C6-8 C20 C28-29 C38-39 C46-49 C57-59
UB- 06-00563-00	CAP MMYL ECQB 1H563JF 100V P=5	PCS	8	C2 C4 C17 C18 C30 C32 C51 C52
UB- 06-00104-03	ECQV 1H104JL 50V P=5 SMALL	PCS	4	C21 C45 C50 C60
UB- 04-20680-86	CERAMIC 68P/J 50V NPO 0603	PCS	4	C22-25
UB- 04-23300-86	CERAMIC 330P/J 50V NPO 0603	PCS	4	C26-27 C37 C40
UB- 06-00562-00	CAP MMYL ECQB 1H562JF 100V P=5	PCS	4	C3 C5 C31 C33
UB- 04-20330-87	CERAMIC 33P/J 50V NPO 0603	PCS	8	C41-44 C53-56
UB- 02-21001-88	E/C 10uF 16V 105° 3.0*5.4 SMT	PCS	12	C9-16 C19 C34-36
UB- 32-00668-02	JACK 4P WSP-244VS-05 RED/SILVER	PCS	1	J1
UB- 01-58220-83	RESISTOR 8.25 K 1% 0603	PCS	2	R1 R10
UB- 01-55620-83	RESISTOR 5.62 K 1% 0603	PCS	12	R12-13 R29-30 R33-34 R56-57 R60-61 R67-68
UB- 01-51120-83	RESISTOR 1.1 K 1% 0603	PCS	4	R14 R16 R26-27
UB- 01-54720-86	RESISTOR 4.75 K 1% 0603	PCS	14	R2 R9 R49-52 R55 R58-59 R62 R107-110
UB- 01-54730-86	RESISTOR 47.5 K 1% 0603	PCS	4	R28 R81-83
UB- 01-51120-84	RESISTOR 1.15 K 1% 0603	PCS	4	R3 R11 R15 R17
UB- 01-53330-83	RESISTOR 33.2 K 1% 0603	PCS	4	R36-39
UB- 01-56030-85	RESISTOR 60.4 K 0805 (0.1%)	PCS	16	R40-47 R63-66 R91-94
UB- 01-51050-86	RESISTOR 1 M 1% 0603	PCS	4	R4-5 R18-19
UB- 01-53230-83	RESISTOR 32.4 K 1% 0603	PCS	4	R48 R78 R100 R114
UB- 01-51040-86	RESISTOR 100 K 1% 0603	PCS	2	R54 R99
UB- 01-56430-83	RESISTOR 64.9 K 1% 0603	PCS	2	R6 R20
UB- 01-52020-86	RESISTOR 2 K 1% 0603	PCS	16	R69-71 R75-77 R79 R86-88 R90 R95-97 R101 R106
UB- 01-52030-86	RESISTOR 20 K 1% 0603	PCS	16	R7 R21-25 R31-32 R53 R72 R74 R84-85 R98 R111 R113
UB- 01-57530-83	RESISTOR 75 K 1% 0603	PCS	2	R73 R112
UB- 01-51420-83	RESISTOR 1.43 K 1% 0603	PCS	4	R8 R35 R102 R105
UB- 01-53420-83	RESISTOR 3.48 K 1% 0603	PCS	4	R80 R89 R103-104
UB- 18-00863-02	SWITCH EG2315 2P3T L=3.5mm	PCS	5	SW1-3 SW5 SW7
UB- 18-00865-00	SW EG2211 2P2T 2*2mm L=4mm	PCS	1	SW4
UB- 18-00869-01	SWITCH EG4208 4P2T L=4mm	PCS	1	SW6
UB- 07-00072-85	IC TL072CDR 'TI' SOIC SMD	PCS	7	U1 U3-4 U6 U8 U10 U12
UB- 07-00074-85	IC TL074CDR TI, ST SOIC SMD	PCS	5	U2 U5 U7 U9 U11
UB- 15-25020-00	L5K*2 RD925G-0A1 18TEETH L=10	PCS	2	VR1-2
UB- 15-22030-09	L20K*2 RD925G-0A1 18TEETH L=10	PCS	1	VR3
UB- 15-40050-15	C50K*4 RH945G-0A1 18TEETH L=10	PCS	2	VR4-5