

DAEWOO

Service Manual

MINI COMPONENT SYSTEM

Model : XL-115



DAEWOO ELECTRONICS CO., LTD.

MINI COMPONENT SYSTEM

XL-115

Table of Contents

SAFETY PRECAUTIONS	2
ADJUSTMENTS	4
EXPLODED VIEW AND PARTS LIST	5
WIRING DIAGRAM	7
BLOCK DIAGRAM	8
SCHEMATIC DIAGRAM	9
POWER / AMP /TUNER/.TAPE	9
CD	10
CONTROL	11
PCB PATTERN LAYOUT	12
ELECTRICAL PART LIST	16

Safety Precautions

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	CAUTION RISK OF ELECTRIC SHOCKS DO NOT OPEN	
CAUTION : TO REDUCE THE RISK IF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		
	THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.	
	THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.	

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

LASER SAFETY

THIS UNIT EMPLOYS A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD REMOVE THE COVER OR ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.

CAUTION : USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION : POUR EVITER LES CHOCs ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Important Safety Instructions

- All the safety and operating instructions should be read before the appliance is operated.
 - The safety and operating instructions should be retained for future reference.
 - All warnings on the appliance and in the operating instructions should be adhered to.
 - All operating and use instructions should be followed.
1. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink,

laundry tub, in a wet basement, or near a swimming pool, and the like.

PORTABLE CART

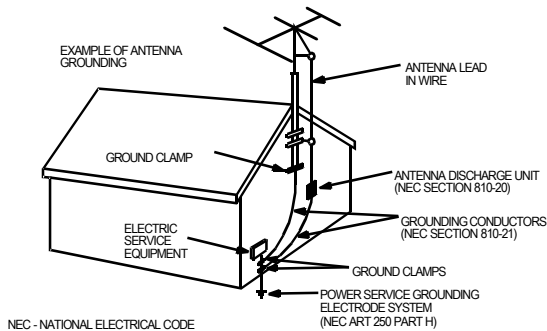


Figure 2

2. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.
3. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
4. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
5. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
6. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
7. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
8. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
9. Power - Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Protective Attachment Plug - If the appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
11. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
12. Power Lines - An outdoor antenna should be located away from power lines.

Safety Precautions

13. Outdoor Antenna Grounding - If an outside antenna is connected to the receiver be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure 1.



14. Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

15. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

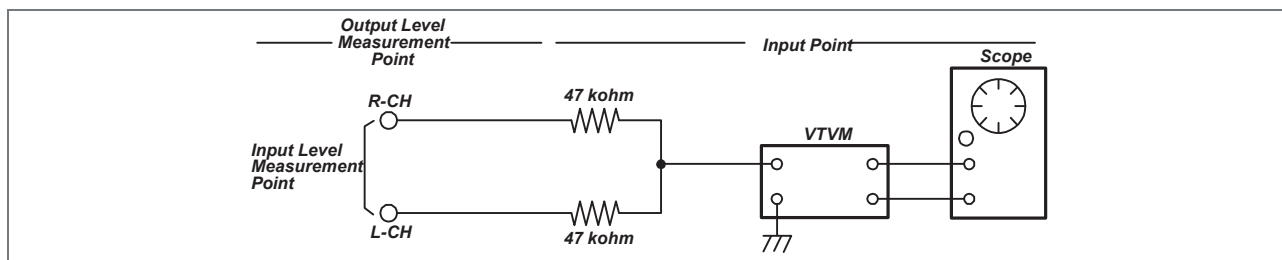
16. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

- a) The power-supply cord or the plug has been damaged; or
- b) Objects have fallen, or liquid has been spilled into the appliance; or
- c) The appliance has been exposed to rain; or
- d) The appliance does not appear to operate normally or exhibits a marked change in performance; or
- e) The appliance has been dropped, or the enclosure damaged.

17. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Adjustments

1. TAPE SECTION



Test Tape be used

Tape	Contents	Use
MTT-111N	3 KHz	Tape Speed Adjustment
MTT-114N	10 KHz	Head Azimuth Adjustment
MTT-5511	Blank	Record Frequency Property

HEAD ADJUSTMENT (AZIMUTH)

- 10KHz test tape(example: MTT-114N) must be used for this adjustment.
- Connect to VTVM or oscilloscope to the headphone jack or speaker terminal.
- Press the play button.
- Adjust the azimuth by using a screw driver to maintain the max. L&R output voltage.
- Adjust tape A(1), tape B(2) respectively, Please secure the azimuth position by using locking paint.

RECORDING BIAS OSCILLATOR FREQUENCY ADJUSTMENT

- Connect the frequency counter to TP603, GND.
- Press the REC button.
- Adjust L603 to obtain 80 KHz $\pm$ 100Hz

TAPE ALIGNMENT CHART								
Step	Item		Reference Value	Test Tape	Adjust Point	Test Point	Note	FIG.
1	Tape Speed Adjustment	Normal	3,015~3,025Hz	MTT-111N	RV601	Line Out L/R Channel	Confirm Wow & Flut-ter is within 0.35%	FIG.1
			3,000~3,010Hz	MTT-111N	RV601	Line Out L/R Channel	Confirm Tape Speed of end position after adjustment at tape start position	FIG.1
		High	5,820~6,180Hz	MTT-111N	-----	Shorted TP601, TP602	Confirm High speed after normal speed adjustment	FIG.1
2	Azimuth Adjustment		Maximum Level Phase:Within90°	MTT-114N	Head Screw	Line Out L/R Channel		FIG.2,3,4
3	Recording Bias Oscilla-tor Frequency Adjust-ment		80 KHz±0.5	MTT-5511	L603	TP603,GND	Adjust with frequency counter connected.	FIG.1

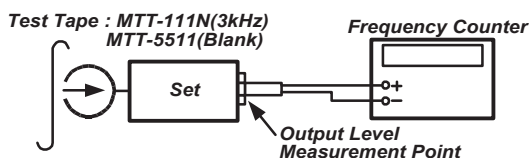


FIG. 1 : Tape Speed & Record Bias Oscillator Frequency Adjust Circuit

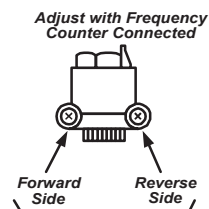


FIG. 2 : Tape Azimuth Adjust Location (Record/Playback Head)

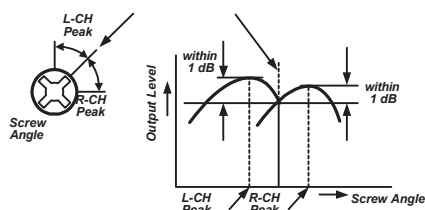


FIG. 3 : Tape Azimuth Adjust Head Screw & Waveform

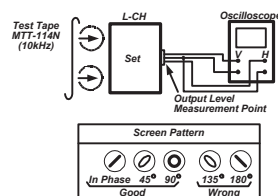
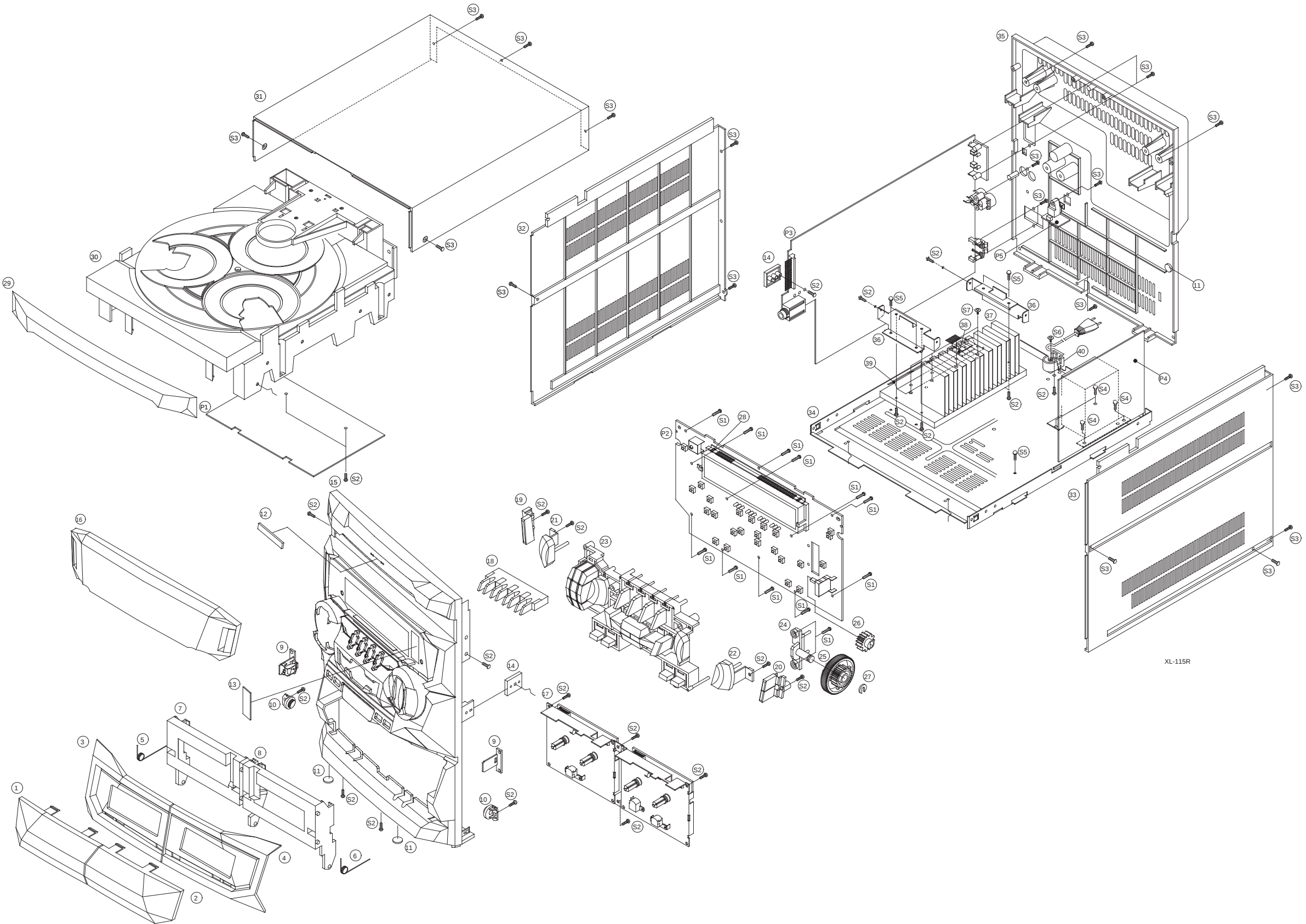


FIG. 4 : Tape Azimuth Adjust Circuit & Waveform

Exploded View and Mechanical Parts List

Model No : XL-115



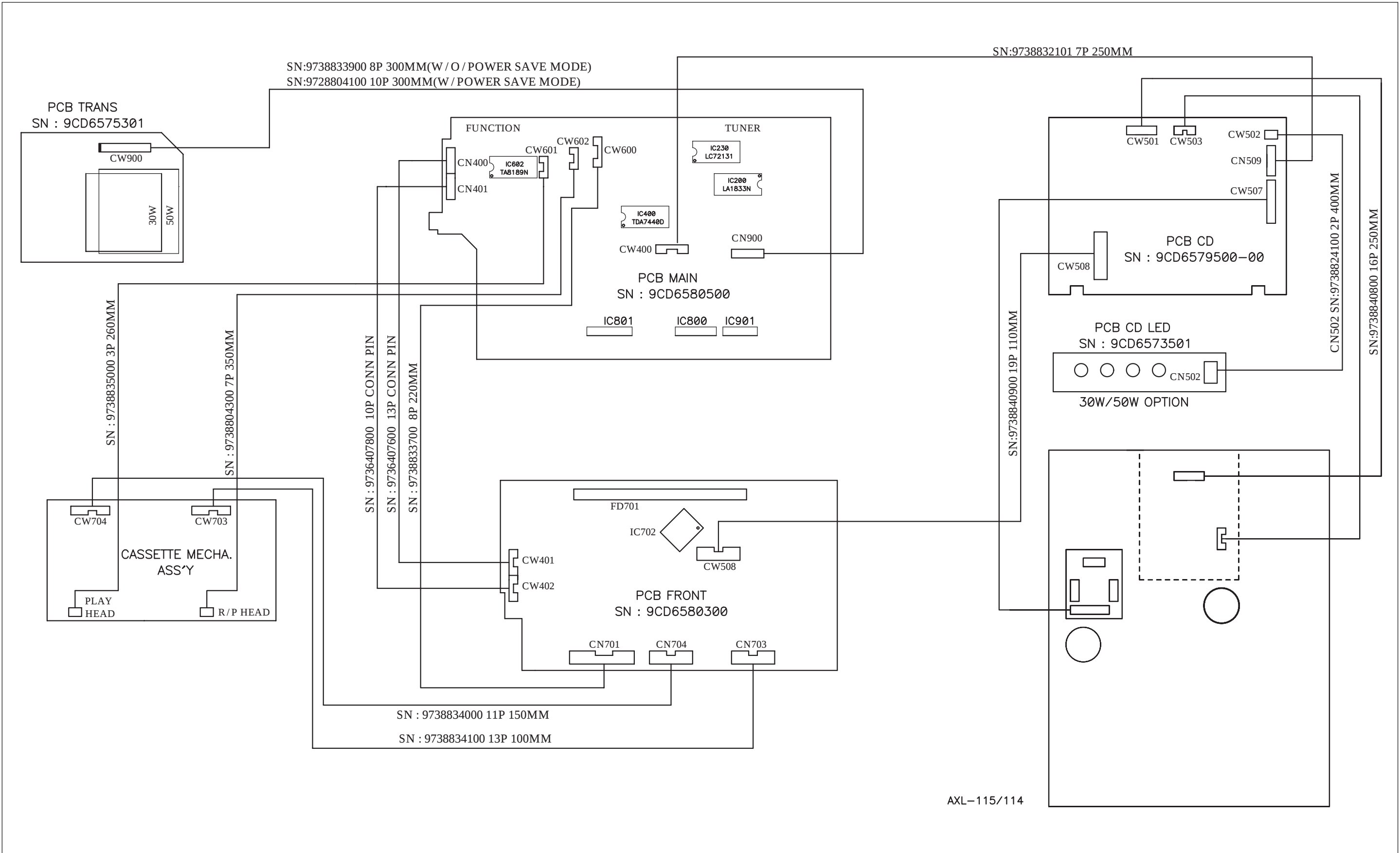
Exploded View and Mechanical Parts List

NO	PARTS NAME	PARTS CODE	DESCRIPTION	Q'TY	REMARKS
1	WINDOW DOOR "A"	9CD18173A0	ACRYL	1	
2	WINDOW DOOR "B"	9CD18173B0	ACRYL	1	
3	DOOR COVER "A"	9CD18122A0	MIPS	1	
4	DOOR COVER "B"	9CD18122B0	MIPS	1	
5	SPRING DOOR EJECT "L"	9CD30078A0	STS	1	
6	SPRING DOOR EJECT "R"	9CD30078B0	STS	1	
7	DOOR FRAME "A"	9CD18113A0	ABS	1	
8	DOOR FRAME "B"	9CD18113B0	ABS	1	
9	LOCKER ASS'Y			2	
10	DAMPER ASS'Y			2	
11	CUSHION FOOT	9CD4207700	URETHAN RUBBER	3	
12	BADGE DAEWOO	9CD1500900	ABS	1	
13	PLATE LED	9CD0911700	PVC 0.5T	1	
14	BRKT SIDE	9CD2412900	MIPS	2	
15	PANEL FRONT	9CD0308200	MIPS	1	
16	WINDOW FLT	9CD1617400	ACRYL	1	
17	CASSETTE DECK	9CD6007700	ADR-243DSW	1	AUTO STOP
		9CD6007800	ADR-243AMW		AUTO REVERSE
18	LENS FUNCTION	9CD1617500	ACRYL	1	
19	KNOB POWER	9CD1341800	MIPS	1	
20	KNOB DEMO	9CD1341700	MIPS	1	
21	KNOB UBS "L"	9CD13419L0	MIPS	1	
22	KNOB UBS "R"	9CD13419R0	MIPS	1	
23	KNOB CONTROL	9CD1341600	MIPS	1	
24	HOLDER VOLUME	9CD2304200	MIPS	1	
25	KNOB VOLUME	9CD1342000	MIPS	1	
26	GEAR VOLUME	9CD2701700	POM	1	
27	SHAFT STOPPER	9CD3601800	POM	1	
28	GUIDE FLT	9CD2506700	ABS	1	
29	DOOR CD	9CD1812100	MIPS	1	
30	CD DECK MECHA	9CD6006900	DCC-01B	1	
31	COVER TOP	9CD0409600	MIPS	1	
32	COVER SIDE "L"	9CD0409900	MIPS	1	

NO	PARTS NAME	PARTS CODE	DESCRIPTION	Q'TY	REMARKS
33	COVER SIDE "R"	9CD0410000	MIPS	1	
34	CHASSIS BOTTOM	9CD0607100	SECC	1	
35	COVER BACK	9CD0411100	MIPS	1	
36	BRKT HEAT SINK	9CD2414600	SECC 1.0T	2	
37	HEAT SINK N50	9CD4405800	AL 7.0T	1	
38	PLATE MICA "A"	9CD0910600	MICA	2	
39	BRKT HEAT SINK	9CD2414400	STS 0.3T	1	
40	HOLDER AC CORD	9CD2303300	ABS	1	
S1	SCREW TAPTTITE	7173261011	TT2 BIN 2.6 X 10 MFZN	15	
S2	SCREW TAPTTITE	7173301011	TT2 BIN 3.0 X 10 MFZN	22	
S3	SCREW TAPTTITE	7173301212	TT2 BIN 3.0 X 12 BK	19	
S4	SCREW TAPTTITE	7173301612	TT2 BIN 4.0 X 6 MFZN	4	
S5	SCREW TAPTTITE	7173400611	TT2 BIN 3.0 X 6 MFZN	5	
S6	SCREW WASHER	9CD3102400	TT2 BIN 3.0 X 10 + D14	1	
S7	SCREW WASHER	9CD3102401	TT2 BIN 3.0 X 8 + D10	4	
P1	PCB CD	9CD6574300 9CD6574800	197X123X1.6T	1	FR-3 DCC-01B
P2	PCB FRONT	9CD6583000	247X139X1.6T	1	
P3	PCB MAIN	9CD6580500	319X197X1.6T	1	
P4	PCB POWER	9CD6580600	106.5X88X1.6T	1	
P5	PCB OPTICAL JACK	9CD6577800	29X21.5X1.6T	1	

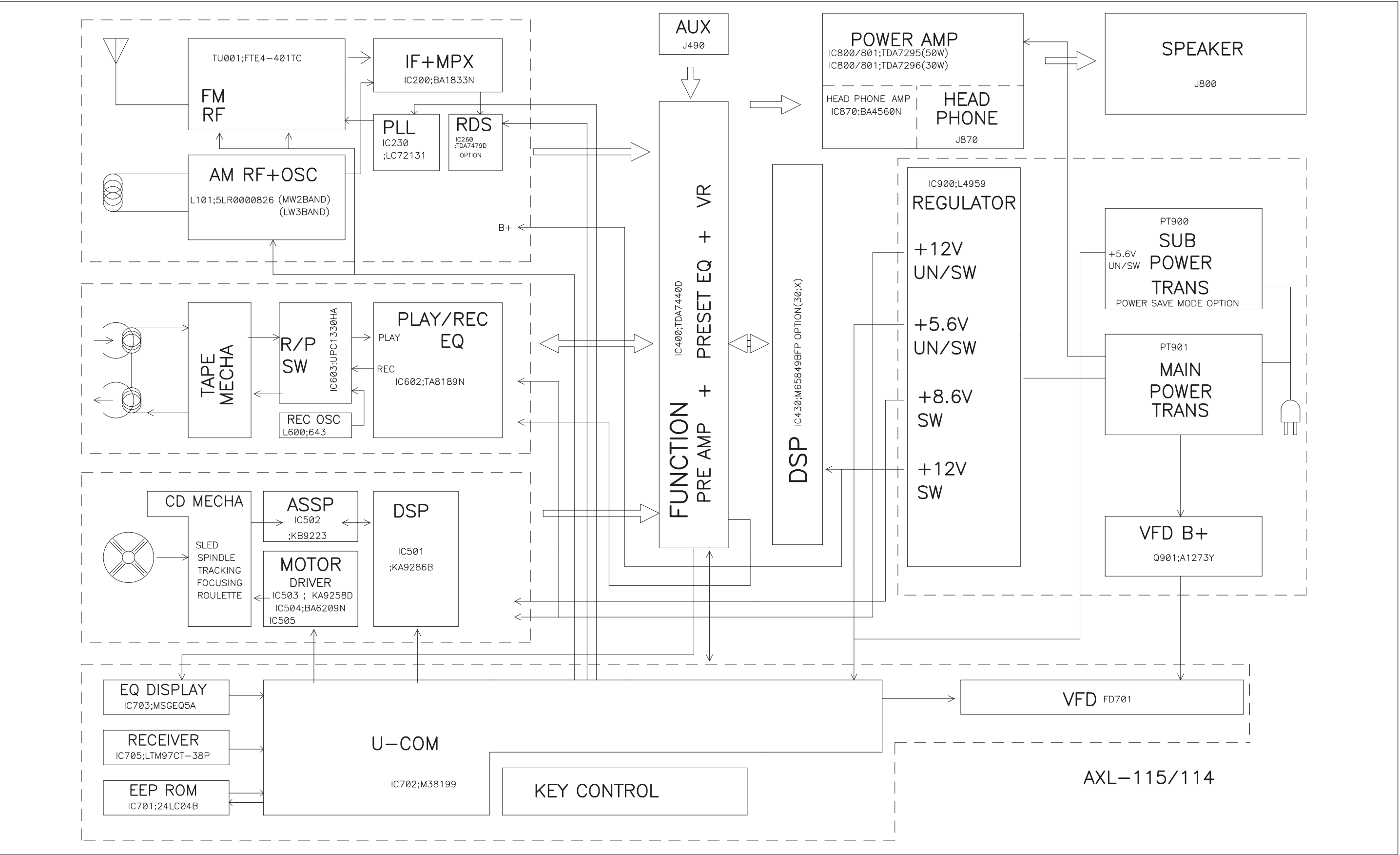
WIRING DIAGRAM

Model No: XL-115



BLOCK DIAGRAM

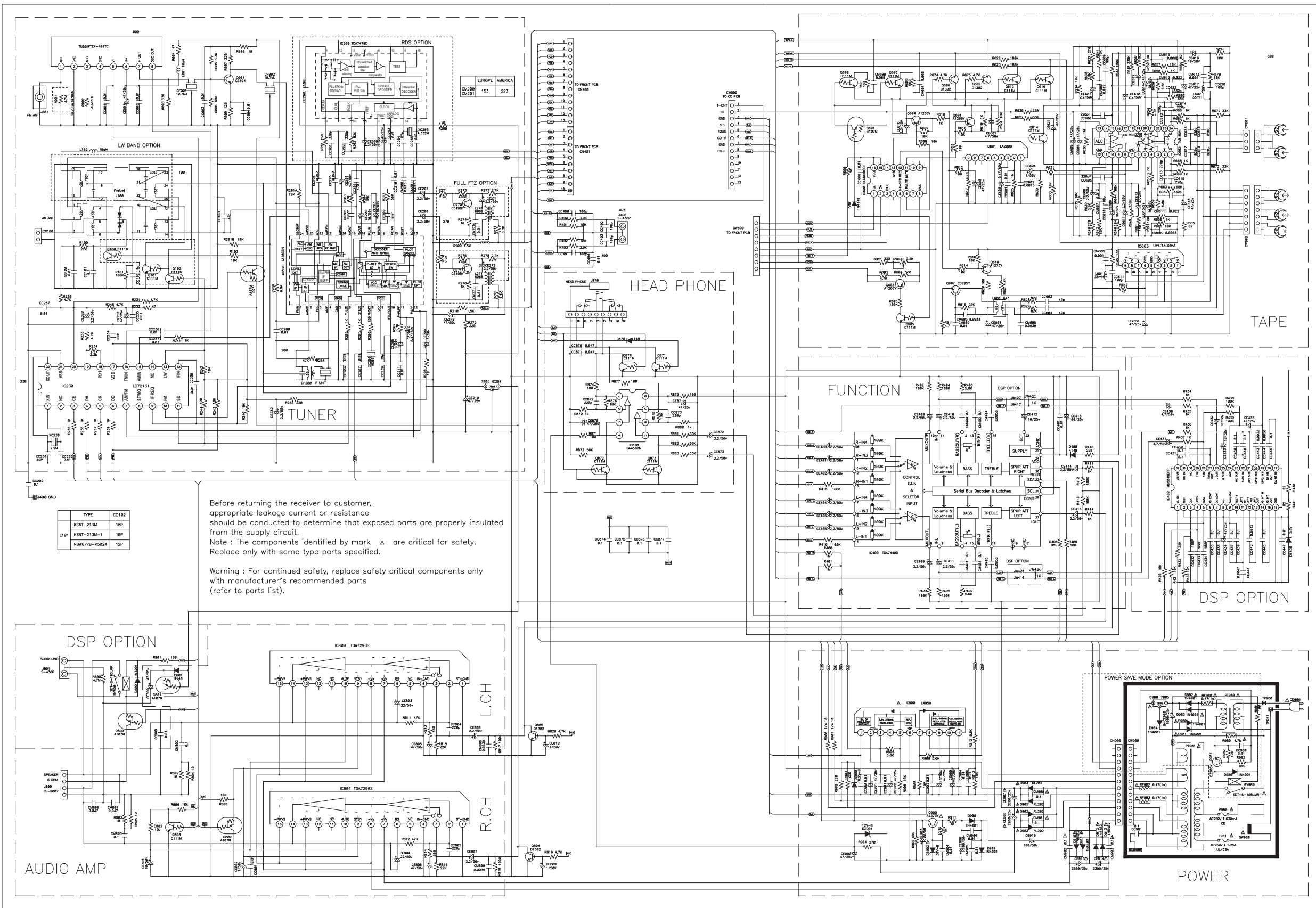
Model No:XL-115



Schematic Diagram

Model No : XL-115

Ass'y Name : AMP/TUNER/TAPE



Before returning the receiver to customer, appropriate leakage current or resistance should be conducted to determine that exposed parts are properly insulated from the supply circuit.
Note : The components identified by mark Δ are critical for safety. Replace only with same type parts specified.

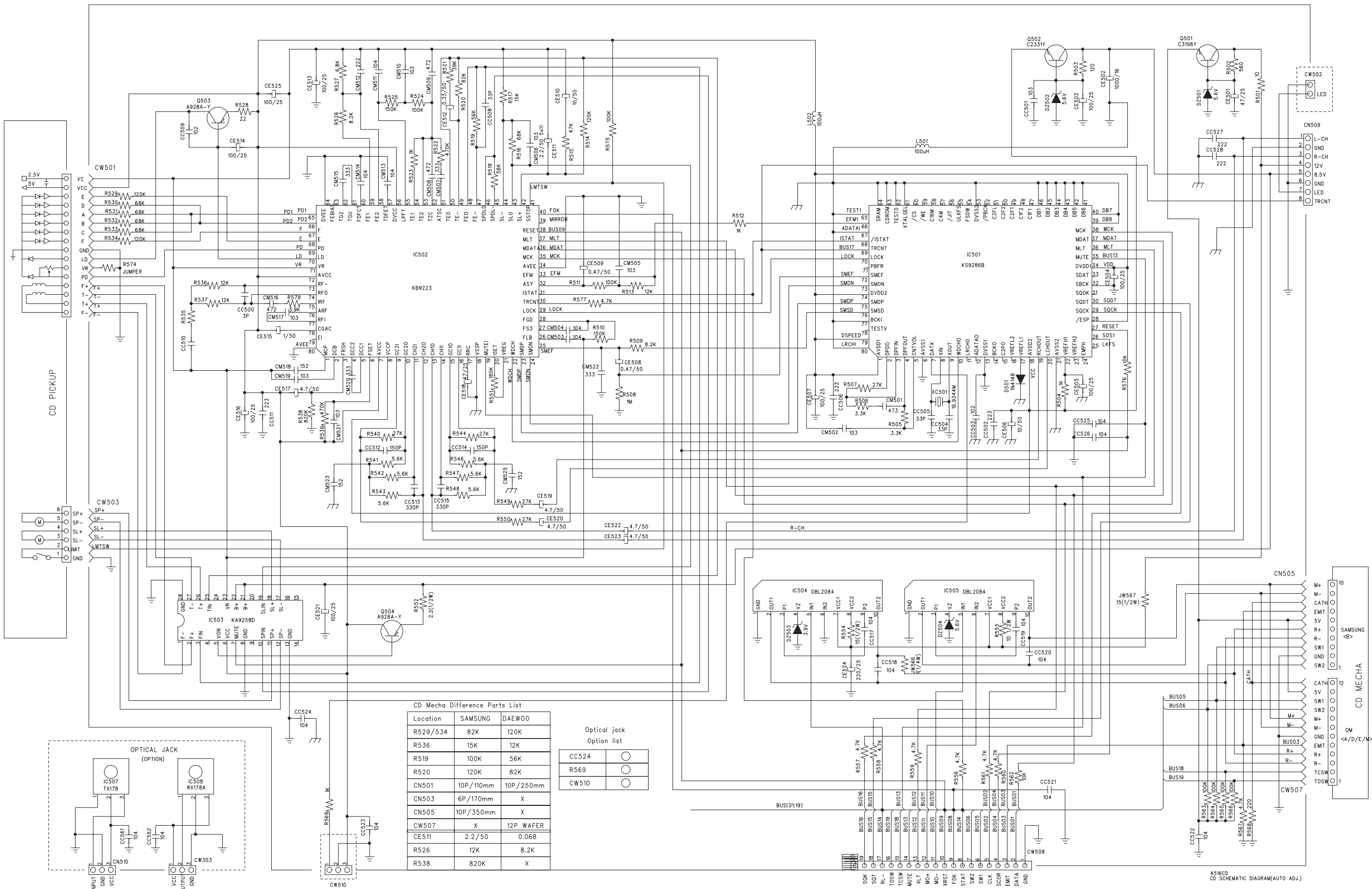
Warning : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

LOC	MODEL	VALUE
D2902	More Than 50W Large VFD	33V-B
	Less Than 50W Small VFD	30V-B

AXL-115/114 MAIN

Schematic Diagram

Model No : XL-115
Ass'y Name: CD



Model No:XL-115
Ass'y Name: Control

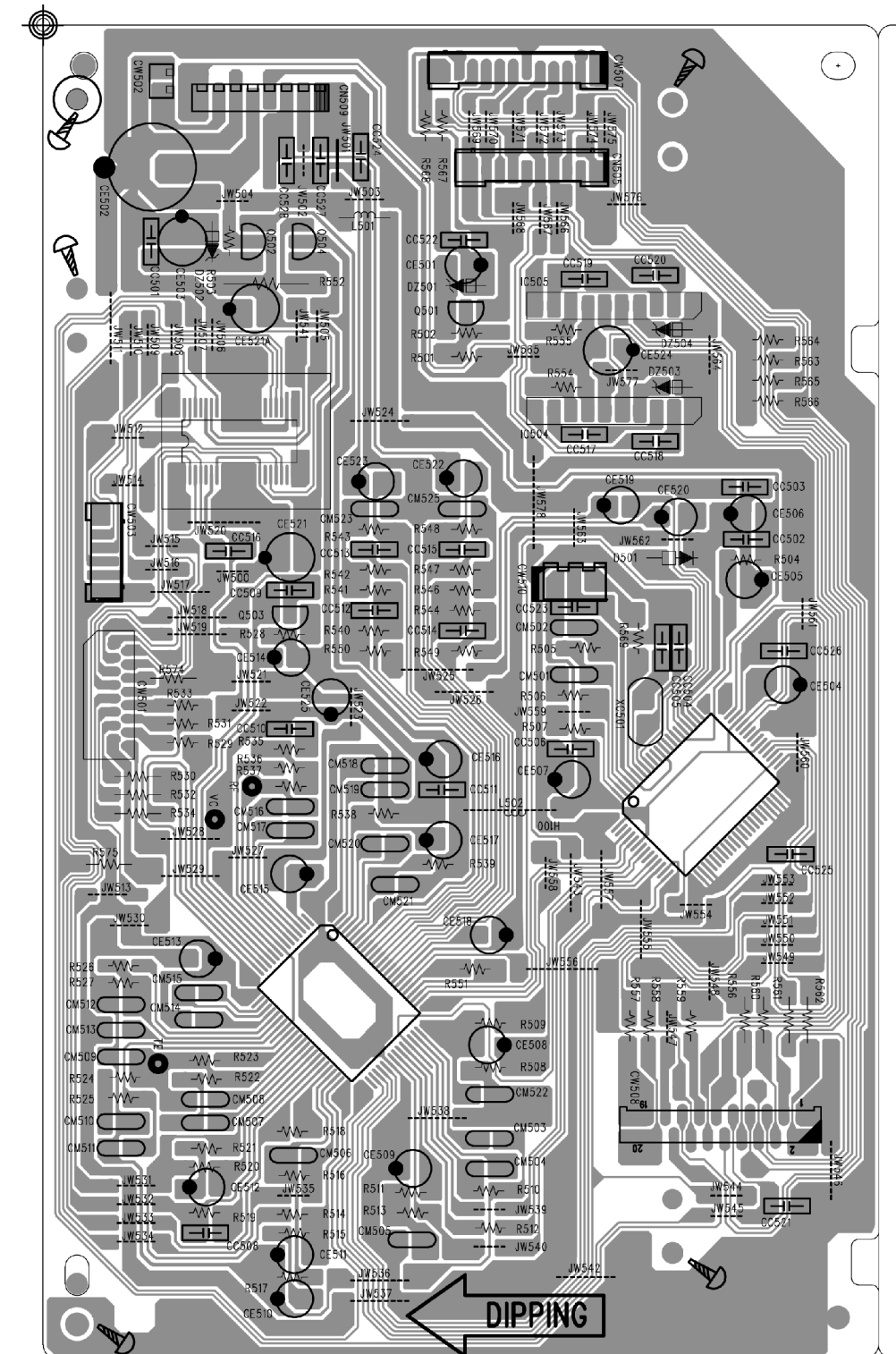


Model No:XL-115
Ass'y Name: **MAIN PCB**



Model No : XL-115
Ass'y Name : CD P.C.B

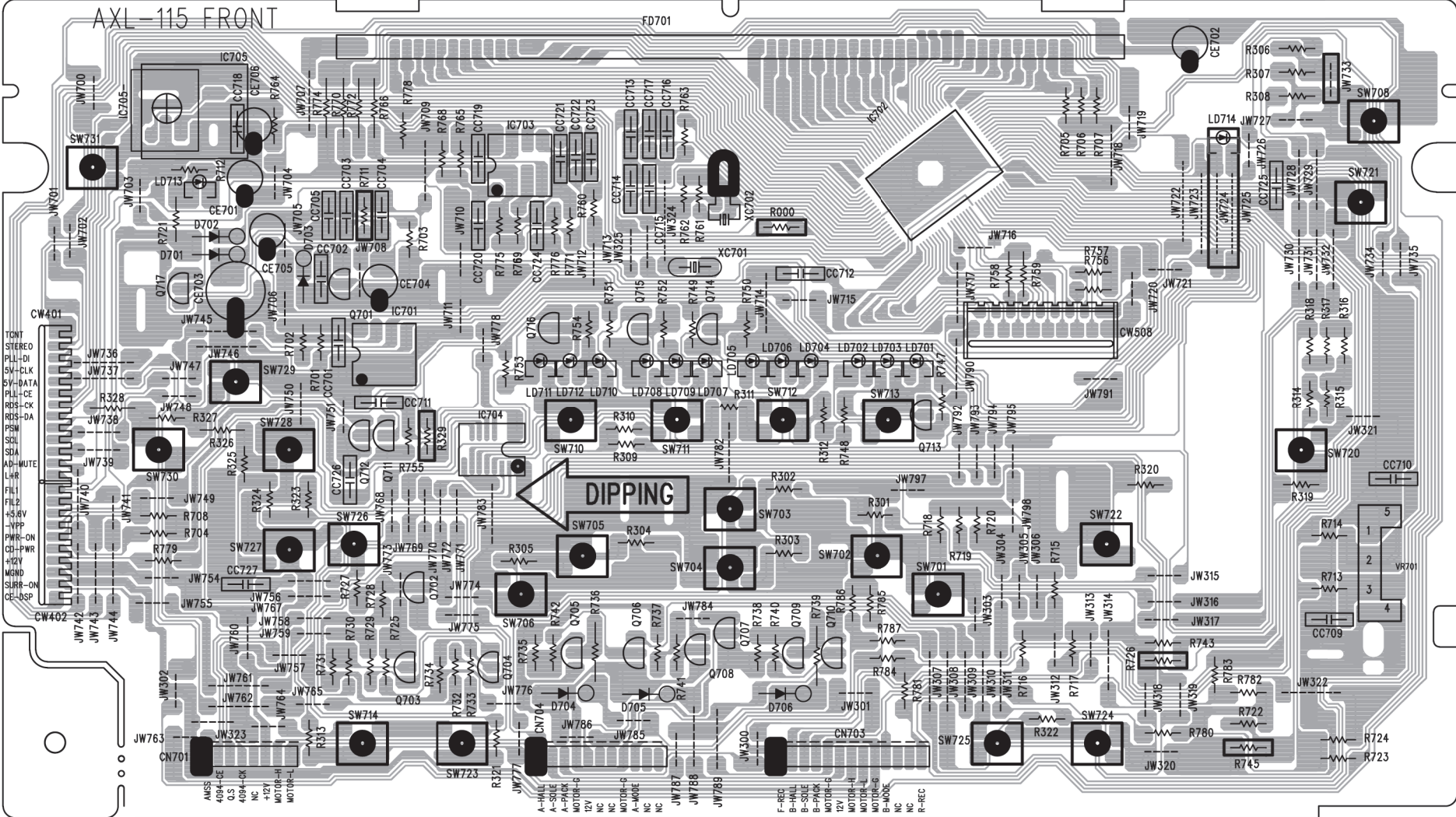
S/N : 9CD6579500



P.C.B Pattern Layout

Model No : XL-115

Ass'y Name : Front PCB



Model No:XL-115
Ass'y Name: **POWER PCB**



Electrical Parts List

NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK	NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK
1	11000	PCB CD AS (S/S)	9CDC053400	AMI-516DPN		68	D501	DIODE	DZN4148---	1N4148 AUTO 52MM	
2	B501	PCB CD	9CD6579500	197X247X1.6T		69	DZ501-502	DIODE ZENER	DZTZ5R6A--	MTZ-5.6 52MM TAPPING	
3	BD501	CORE BEAD	9768602000	H.B-T15X25X13ON		70	DZ503	DIODE ZENER	DZTZ3R9B--	MTZ3.9B	
4	CC500	C CERA	CXCH1H309C	50V CH 3PF C		71	DZ504	DIODE ZENER	DZTZ5R6A--	MTZ-5.6 52MM TAPPING	
5	CC501	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		72	IC501	IC CHIP DSP	1KS9286B--	KS9286B DSP+DAC	
6	CC502	C CERA	CCXF1H223Z	50V F 0.022MF Z (TAPPING)		73	IC502	IC CHIP RF	1KB9223---	KB9223 RF+SSP+AF	
7	CC503	C CERA	CCXB1H102K	50V B 1000PF K (TAPPING)		74	IC503	IC CHIP	1KA9258D--	KA9258D	
8	CC504-505	C CERA	CXCH1H330J	50V CH 33PF J (TAPPING)		75	IC504-505	IC	1DBL2084--	DBL2084(D/W)	
9	CC506	C CERA	CCXF1H223Z	50V F 0.022MF Z (TAPPING)		76	JW501-502	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
10	CC508	C CERA	CXCH1H330J	50V CH 33PF J (TAPPING)		77	JW503	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
11	CC509	C CERA	CCXB1H102K	50V B 1000PF K (TAPPING)		78	JW504-510	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
12	CC511	C CERA	CCXF1H223Z	50V F 0.022MF Z (TAPPING)		79	JW511	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
13	CC512	C CERA	CCXB1H151K	50V B 150PF K (TAPPING)		80	JW512	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
14	CC513	C CERA	CCXB1H331K	50V B 330PF K (TAPPING)		81	JW513	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
15	CC514	C CERA	CCXB1H151K	50V B 150PF K (TAPPING)		82	JW514-516	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
16	CC515	C CERA	CCXB1H331K	50V B 330PF K (TAPPING)		83	JW517-519	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
17	CC517-526	C CERA	CCXF1H104Z	50V F 0.1MF Z		84	JW520	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
18	CC527-528	C CERA	CCXB1H222K	50V B 2200PF K (TAPPING)		85	JW521-523	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
19	CE501	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP		86	JW524	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
20	CE502	C ELECTRO	CEYF1C102V	16V RSS 1000MF (10X20)		87	JW525	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
21	CE503-505	C ELECTRO	CEXF1E101V	25V RSS 100MF (6.3X11) TP		88	JW526	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
22	CE506	C ELECTRO	CEXF1H100V	50V RSS 10MF (5X11) TP		89	JW527	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
23	CE507	C ELECTRO	CEXF1E101V	25V RSS 100MF (6.3X11) TP		90	JW528-529	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
24	CE508-509	C ELECTRO	CEXF1H478V	50V RSS 0.47MF (5X11) TP		91	JW530-534	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
25	CE510	C ELECTRO	CEXF1H100V	50V RSS 10MF (5X11) TP		92	JW535	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
26	CE511	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP		93	JW536-538	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
27	CE512	C ELECTRO	CEXF1H338V	50V RSS 0.33MF (5X11) TP		94	JW539	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
28	CE513-514	C ELECTRO	CEXF1E101V	25V RSS 100MF (6.3X11) TP		95	JW540	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
29	CE515	C ELECTRO	CEXF1H109V	50V RSS 1MF (5X11) TP		96	JW541	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
30	CE516	C ELECTRO	CEXF1E101V	25V RSS 100MF (6.3X11) TP		97	JW542	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
31	CE517	C ELECTRO	CEXF1H479V	50V RSS 4.7MF (5X11) TP		98	JW543	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J	
32	CE518	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP		99	JW544-545	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
33	CE519-520	C ELECTRO	CEXF1H479V	50V RSS 4.7MF (5X11) TP		100	JW546	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
34	CE521	C ELECTRO	CEXF1E101V	25V RSS 100MF (6.3X11) TP		101	JW547	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
35	CE522-523	C ELECTRO	CEXF1H479V	50V RSS 4.7MF (5X11) TP		102	JW548	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
36	CE524	C ELECTRO	CEXF1E221V	25V RSS 220MF (8X11.5) TP		103	JW549-554	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
37	CE525-526	C ELECTRO	CEXF1E101V	25V RSS 100MF (6.3X11) TP		104	JW555	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
38	CM501	C MYLAR	CMXM1H473J	50V 0.047MF J		105	JW556	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
39	CM502	C MYLAR	CMXM1H103J	50V 0.01MF J (TP)		106	JW557	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
40	CM503-504	C MYLAR	CMXM1H104J	50V 0.1MF J		107	JW558-559	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
41	CM505-506	C MYLAR	CMXM1H103J	50V 0.01MF J (TP)		108	JW560	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
42	CM507	C MYLAR	CMXM1H333J	50V 0.033MF J (TP)		109	JW561-562	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
43	CM508-509	C MYLAR	CMXM1H472J	50V 0.0047MF J		110	JW563-564	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
44	CM510	C MYLAR	CMXM1H103J	50V 0.01MF J (TP)		111	JW565	R CARBON FILM	RD-2Y150J-	1/2 15 OHM J	
45	CM511	C MYLAR	CMXM1H104J	50V 0.1MF J		112	JW566	R CARBON FILM	RD-4Z109J-	1/4 1 OHM J	
46	CM512	C MYLAR	CMXM1H222J	50V 2200PF J		113	JW567-575	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
47	CM513-514	C MYLAR	CMXM1H104J	50V 0.1MF J		114	JW576	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
48	CM515	C MYLAR	CMXM1H333J	50V 0.033MF J (TP)		115	JW577	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
49	CM516	C MYLAR	CMXM1H472J	50V 0.0047MF J		116	JW578	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J	
50	CM517	C MYLAR	CMXM1H103J	50V 0.01MF J (TP)		117	L501-502	COIL PEAKING	5CPZ101K02	100UH K (AXIAL 3.5MM)	
51	CM518	C MYLAR	CMXM1H152J	50V 1500PF J		118	Q501	TR	TZTC3198Y-	KTC3198Y-(1815Y) (AUTO)	
52	CM519	C MYLAR	CMXM1H103J	50V 0.01MF J (TP)		119	Q502	TR	TKSC2331Y-	KSC2331Y	
53	CM520	C MYLAR	CMXM1H333J	50V 0.033MF J (TP)		120	Q503-504	TR	TKSA928AY-	KSA928A-Y	
54	CM521	C MYLAR	CMXM1H103J	50V 0.01MF J (TP)		121	R501	R CARBON FILM	RD-AZ100J-	1/6 10 OHM J	
55	CM522	C MYLAR	CMXM1H333J	50V 0.033MF J (TP)		122	R502	R CARBON FILM	RD-AZ561J-	1/6 560 OHM J	
56	CM523	C MYLAR	CMXM1H152J	50V 1500PF J		123	R503	R CARBON FILM	RD-AZ121J-	1/6 120 OHM J	
57	CM525	C MYLAR	CMXM1H152J	50V 1500PF J		124	R504	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
58	CN501	CONN AS	9738835600	FFC 16P P1.0X110MM R		125	R505-506	R CARBON FILM	RD-AZ332J-	1/6 3.3K OHM J	
59	CN503	CONN AS	9738832900	#30 UL1007 6P 170 P=2.0		126	R507	R CARBON FILM	RD-AZ273J-	1/6 27K OHM J	
60	CN505	CONN AS	9738832000	AWG26 10P 350 P=2.0 BR		127	R508	R CARBON FILM	RD-AZ105J-	1/6 1M OHM J	
61	CN508	CONN AS	9738832400	FFT 19P 300MM P=1.25		128	R509	R CARBON FILM	RD-AZ822J-	1/6 8.2K OHM J	
62	CN509	CONN AS	9738832101	8P 250 P=2.5 BOARDIN		129	R510	R CARBON FILM	RD-AZ154J-	1/6 150K OHM J	
63	CW501	CONN WAFER	9CD6259300	52807-1610		130	R511	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J	
64	CW502	CONN WAFER	9CD6259600	2503-WS-2P		131	R512	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
65	CW503	CONN AS	9738832900	#30 UL1007 6P 170 P=2.0		132	R513	R CARBON FILM	RD-AZ123J-	1/6 12K OHM J	
66	CW508	CONN WAFER	9736408400	52045-1945 19P		133	R514	R CARBON FILM	RD-AZ124J-	1/6 120K OHM J	
67	CW510	CONN AS	9738841800	#26 400MM 3P 2.5P		134	R515	R CARBON FILM	RD-AZ473J-	1/6 47K OHM J	

Electrical Parts List

NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK	NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK
135	R516	R CARBON FILM	RD-AZ683J-	1/6 68K OHM J		28	CE708	C ELECTRO	CEXF1H100V	50V RSS 10MF (5X11) TP	
136	R517	R CARBON FILM	RD-AZ153J-	1/6 15K OHM J		29	CN701	CONN AS	9738833700	#26 8P FLAT 220MM	
137	R518	R CARBON FILM	RD-AZ563J-	1/6 56K OHM J		30	CN703	CONN AS	9738834100	#26 13P FLAT 100MM	
138	R519	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J		31	CN704	CONN AS	9738834000	#26 2.0PITCH 11P FLAT 150	
139	R520	R CARBON FILM	RD-AZ124J-	1/6 120K OHM J		32	CW401	CONN WAFER	9736407700	52084-1310 13P BOTTOM	
140	R521	R CARBON FILM	RD-AZ393J-	1/6 39K OHM J		33	CW402	CONN WAFER	9736407900	52084-1010 10P BOTTOM	
141	R522	R CARBON FILM	RD-AZ474J-	1/6 470K OHM J		34	CW508	CONN WAFER	9736408300	52492-1920 19P BOTTOM	
142	R523	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		35	D701	DIODE	DZN4148---	1N4148 AUTO 52MM	
143	R524	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J		36	D704	DIODE	DZN4148---	1N4148 AUTO 52MM	
144	R525	R CARBON FILM	RD-AZ154J-	1/6 150K OHM J		37	D706~710	DIODE	DZN4148---	1N4148 AUTO 52MM	
145	R526	R CARBON FILM	RD-AZ123J-	1/6 12K OHM J		38	D713	DIODE	DZN4148---	1N4148 AUTO 52MM	
146	R527	R CARBON FILM	RD-AZ682J-	1/6 6.8K OHM J		39	FD701	VFD	DSVA09MS18	HNA-09MS18 (AMI-V225M)	
147	R528	R CARBON FILM	RD-AZ220J-	1/6 22 OHM J		40	IC701	IC	138199727L	MICOM M38199-727L	
148	R529	R CARBON FILM	RD-AZ823J-	1/6 82K OHM J		41	IC702	IC	1M24C04---	M24C04-BN6	
149	R530~533	R CARBON FILM	RD-AZ683J-	1/6 68K OHM J		42	IC704	IC	1MSGEQ5A--	MSGEQ5A	
150	R534	R CARBON FILM	RD-AZ823J-	1/6 82K OHM J		43	IC705	IC PRE AMP	1TM97CT38P	LTM97CT-38P	
151	R536	R CARBON FILM	RD-AZ153J-	1/6 15K OHM J		44	IC706	IC	1BU4094BCF	BU4094BCF(SOP16)	
152	R537	R CARBON FILM	RD-AZ123J-	1/6 12K OHM J		45	JW300	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
153	R538	R CARBON FILM	RD-AZ824J-	1/6 820K OHM J		46	JW301~303	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
154	R539	R CARBON FILM	RD-AZ474J-	1/6 470K OHM J		47	JW304	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
155	R540	R CARBON FILM	RD-AZ273J-	1/6 27K OHM J		48	JW305	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
156	R541~543	R CARBON FILM	RD-AZ562J-	1/6 5.6K OHM J		49	JW308~309	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
157	R544	R CARBON FILM	RD-AZ273J-	1/6 27K OHM J		50	JW313~318	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
158	R546~548	R CARBON FILM	RD-AZ562J-	1/6 5.6K OHM J		51	JW319	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
159	R549~550	R CARBON FILM	RD-AZ273J-	1/6 27K OHM J		52	JW320~323	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
160	R551	R CARBON FILM	RD-AZ184J-	1/6 180K OHM J		53	JW324	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
161	R552	R CARBON FILM	RD-2Y229J-	1/2 2.2 OHM J		54	JW325	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
162	R554	R CARBON FILM	RD-2Y150J-	1/2 15 OHM J		55	JW326	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
163	R555	R CARBON FILM	RD-2Y100J-	1/2 10 OHM J		56	JW327	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
164	R556~561	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J		57	JW328	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
165	R562	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J		58	JW329	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
166	R563~566	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J		59	JW330~332	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
167	R567	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J		60	JW333	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
168	R568	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J		61	JW334~345	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
169	R569	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		62	JW346	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
170	R574	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		63	JW347	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
171	R575	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J		64	JW348	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
172	R576	R CARBON FILM	RD-AZ392J-	1/6 3.9K OHM J		65	JW349	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
173	R577	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J		66	JW351	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
174	XC501	RESONATOR CERA	5PCSA16R93	CSA16.93MXZ04		67	JW352~353	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
1	10	GUIDE FLT	9CD2505600	ABS		68	JW354	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
2	20	GEAR VOLUME	9CD2701700	ACETAL (POM) 1.2GR		69	JW355	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
3	12000	PCB FRONT AS	9CDC058500	AXL-114R		70	JW357~358	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
4	B701	PCB FRONT	9CD6583040	247X139X1.6T		71	JW359~362	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
5	CC701	C CERA	CCXF1H223Z	50V F 0.022MF Z (TAPPING)		72	JW363	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
6	CC703	C CERA	CCXF1H104Z	50V F 0.1MF Z		73	JW364	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
7	CC704	C CERA	CCXF1H223Z	50V F 0.022MF Z (TAPPING)		74	JW368	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
8	CC705~706	C CERA	CCXF1H104Z	50V F 0.1MF Z		75	JW369	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
9	CC707~708	C CERA	CZCH1H101J	CH 50V 100PF J AXL 52MM		76	JW371~374	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
10	CC709	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		77	JW700~704	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
11	CC710	C CERA	CCXF1H104Z	50V F 0.1MF Z		78	JW706	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
12	CC711	C CERA	CZCH1H150J	50V CH 15PF J		79	JW707	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
13	CC712	C CERA	CZCH1H180J	50V CH 18PF J		80	JW708	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
14	CC713~714	C CERA	CZCH1H330J	CH 50V 33PF J AXIAL 52MM		81	JW709~715	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
15	CC715	C CERA	CCXF1H223Z	50V F 0.022MF Z (TAPPING)		82	JW716	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
16	CC716	C CERA	CZCH1H101J	CH 50V 100PF J AXL 52MM		83	JW717~718	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
17	CC717	C CERA	CCXF1H223Z	50V F 0.022MF Z (TAPPING)		84	JW719~721	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
18	CC718	C CERA	CZCH1H330J	CH 50V 33PF J AXIAL 52MM		85	JW722	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
19	CC719	C CERA	CZCH1H101J	CH 50V 100PF J AXL 52MM		86	JW723	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO	
20	CC720	C CERA	CCZB1H102K	50V B 1000PF K AXIAL		87	JW724	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
21	CC721~723	C CERA	CCXF1H104Z	50V F 0.1MF Z		88	JW725	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
22	CC724	C CERA	CZCH1H101J	CH 50V 100PF J AXL 52MM		89	JW726	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
23	CC725	C CERA	CCXF1H104Z	50V F 0.1MF Z		90	JW727	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
24	CE702	C ELECTRO	CEXF1H109V	50V RSS 1MF (5X11) TP		91	JW728	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
25	CE704	C ELECTRO	CEYF1A102V	10V 1000MF RSS 10X16		92	JW729	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO	
26	CE705	C ELECTRO	CEXF1E101V	25V RSS 100MF (6.3X11) TP		93	JW730~731	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
27	CE706~707	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP		94	JW732	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO	

Electrical Parts List

NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK	NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK
95	JW733-735	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		162	R313	R CARBON FILM	RD-AZ152J-	1/6 1.5K OHM J	
96	JW736	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		163	R314	R CARBON FILM	RD-AZ272J-	1/6 2.7K OHM J	
97	JW737	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		164	R315	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J	
98	JW738	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		165	R316	R CARBON FILM	RD-AZ331J-	1/6 330 OHM J	
99	JW739	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO		166	R317	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J	
100	JW740	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		167	R318	R CARBON FILM	RD-AZ271J-	1/6 270 OHM J	
101	JW741	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO		168	R319	R CARBON FILM	RD-AZ331J-	1/6 330 OHM J	
102	JW742	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		169	R320	R CARBON FILM	RD-AZ391J-	1/6 390 OHM J	
103	JW743	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		170	R321	R CARBON FILM	RD-AZ471J-	1/6 470 OHM J	
104	JW744-745	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		171	R322	R CARBON FILM	RD-AZ561J-	1/6 560 OHM J	
105	JW750-751	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		172	R323	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
106	JW752	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		173	R324	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
107	JW753	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		174	R701-702	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
108	JW755	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO		175	R704	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
109	JW756-757	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		176	R709	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
110	JW758-759	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		177	R713-715	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
111	JW761	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		178	R716	R CARBON FILM	RD-AZ333J-	1/6 33K OHM J	
112	JW762	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		179	R717	R CARBON FILM	RD-AZ683J-	1/6 68K OHM J	
113	JW763	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		180	R718	R CARBON FILM	RD-AZ393J-	1/6 39K OHM J	
114	JW764	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO		181	R719-721	R CARBON FILM	RD-AZ152J-	1/6 1.5K OHM J	
115	JW765-768	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		182	R722	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J	
116	JW769	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		183	R724	R CARBON FILM	RD-AZ223J-	1/6 22K OHM J	
117	JW770-772	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		184	R725	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
118	JW773	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		185	R726	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
119	JW777	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		186	R727	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
120	JW778	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO		187	R728-729	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
121	JW779	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		188	R730	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
122	JW780-784	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		189	R731-732	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
123	JW785	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		190	R733	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
124	JW786	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		191	R734	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
125	JW787-788	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		192	R735-736	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
126	JW790-792	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		193	R737	R CARBON FILM	RD-AZ222J-	1/6 2.2K OHM J	
127	JW793	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO		194	R738	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
128	JW794	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		195	R739	R CARBON FILM	RD-AZ689J-	1/4 6.8 OHM J	
129	JW795	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		196	R740	R CARBON FILM	RD-AZ222J-	1/6 2.2K OHM J	
130	JW796-798	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		197	R741	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
131	LD701-702	LED	DLTL16KGE-	LTL-16KGE(GREEN)PI3.1		198	R742	R CARBON FILM	RD-AZ222J-	1/6 2.2K OHM J	
132	LD703	LED	DLTL16KEE-	LTL-16KEE(RED)PI3.1		199	R743	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
133	LD704-705	LED	DLTL16KGE-	LTL-16KGE(GREEN)PI3.1		200	R744	R CARBON FILM	RD-AZ689J-	1/4 6.8 OHM J	
134	LD706	LED	DLTL16KEE-	LTL-16KEE(RED)PI3.1		201	R745-746	R CARBON FILM	RD-AZ473J-	1/6 47K OHM J	
135	LD707	LED	DLTL16KGE-	LTL-16KGE(GREEN)PI3.1		202	R747	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
136	LD708	LED	DLTL16KGE-	LTL-16KGE(GREEN)PI3.1		203	R748	R CARBON FILM	RD-AZ391J-	1/6 390 OHM J	
137	LD709	LED	DLTL16KEE-	LTL-16KEE(RED)PI3.1		204	R749	R CARBON FILM	RD-AZ271J-	1/6 270 OHM J	
138	LD710-711	LED	DLTL16KGE-	LTL-16KGE(GREEN)PI3.1		205	R750	R CARBON FILM	RD-AZ391J-	1/6 390 OHM J	
139	LD712	LED	DLTL16KEE-	LTL-16KEE(RED)PI3.1		206	R751	R CARBON FILM	RD-AZ271J-	1/6 270 OHM J	
140	LD713	LED	DLTL307EE-	LTL-307EE(RED)PI5		207	R752	R CARBON FILM	RD-AZ391J-	1/6 390 OHM J	
141	LD716	LED	DLTL307EE-	LTL-307EE(RED)PI5		208	R753	R CARBON FILM	RD-AZ271J-	1/6 270 OHM J	
142	Q701	TR	TKRC107M-	KRC107-M TAPPING(KSR1006)		209	R754	R CARBON FILM	RD-AZ391J-	1/6 390 OHM J	
143	Q702-703	TR	TKRC111M-	KRC111M (KSR1010)		210	R755	R CARBON FILM	RD-AZ271J-	1/6 270 OHM J	
144	Q704	TR	TZTC3198Y-	KTC3198Y-(1815Y) (AUTO)		211	R756	R CARBON FILM	RD-AZ390J-	1/6 39 OHM J	
145	Q705-707	TR	TZTA1273Y-	KTA1273Y(966Y)		212	R759	R CARBON FILM	RD-AZ106J-	1/6 10M OHM J	
146	Q708-710	TR	TKRC107M-	KRC107-M TAPPING(KSR1006)		213	R760	R CARBON FILM	RD-AZ334J-	1/6 330K OHM J	
147	Q711-715	TR	TKRA111M-	KRA111-M TAPPING(KSR2010)		214	R761	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J	
148	Q716-717	TR	TKRC107M-	KRC107-M TAPPING(KSR1006)		215	R762	R CARBON FILM	RD-AZ100J-	1/6 10 OHM J	
149	Q718	TR	TZTC3198Y-	KTC3198Y-(1815Y) (AUTO)		216	R763	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J	
150	R301	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J		217	R764	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J	
151	R302	R CARBON FILM	RD-AZ151J-	1/6 150 OHM J		218	R766	R CARBON FILM	RD-AZ224J-	1/6 220K OHM J	
152	R303	R CARBON FILM	RD-AZ181J-	1/6 180 OHM J		219	R767-768	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J	
153	R304	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J		220	R769	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
154	R305	R CARBON FILM	RD-AZ151J-	1/6 150 OHM J		221	R770	R CARBON FILM	RD-AZ224J-	1/6 220K OHM J	
155	R306	R CARBON FILM	RD-AZ181J-	1/6 180 OHM J		222	R771	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
156	R307	R CARBON FILM	RD-AZ271J-	1/6 270 OHM J		223	R773	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
157	R308	R CARBON FILM	RD-AZ331J-	1/6 330 OHM J		224	R775	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
158	R309	R CARBON FILM	RD-AZ391J-	1/6 390 OHM J		225	R776	R CARBON FILM	RD-AZ334J-	1/6 330K OHM J	
159	R310	R CARBON FILM	RD-AZ471J-	1/6 470 OHM J		226	R777-778	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J	
160	R311	R CARBON FILM	RD-AZ561J-	1/6 560 OHM J		227	R779	R CARBON FILM	RD-AZ334J-	1/6 330K OHM J	
161	R312	R CARBON FILM	RD-AZ821J-	1/6 820 OHM J		228	R780	R CARBON FILM	RD-AZ561J-	1/6 560 OHM J	

Electrical Parts List

NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK	NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK
229	R784	R CARBON FILM	RD-AZ683J-	1/6 68K OHM J		57	CE232	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
230	R786	R CARBON FILM	RD-AZ562J-	1/6 5.6K OHM J		58	CE260	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
231	R787	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		59	CE261	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
232	R788	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J		60	CE270	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
233	R789	R CARBON FILM	RD-AZ681J-	1/6 680 OHM J		61	CE271-272	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
234	R790	R CARBON FILM	RD-AZ392J-	1/6 3.9K OHM J		62	CE400-402	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
235	SW701-714	SW TACT	5S50101001	KPT-1105A 1C-1P		63	CE404-406	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
236	SW716-725	SW TACT	5S50101001	KPT-1105A 1C-1P		64	CE408-411	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
237	VR701	SW ENCODER	5SH162402-	EC16B24208 24P W/DETENT		65	CE412	C ELECTRO	CEXF1H100V	50V RSS 10MF (5X11) TP	
238	XC701	RESONATOR	5PCSABMTZ-	CSALA8M00T55-B0 (8.00MTZ)		66	CE413	C ELECTRO	CEXF1E101V	25V RSS 100MF (6.3X11) TP	
239	XC702	X-TAL	5XA32R768-	DT-38 32.768KHZ 20PPM		67	CE414-415	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
1	10000	PCB MAIN AS	9CDC057251	AMI-829SREF(SMALL VFD)		68	CE600-601	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
2	B1000	PCB MAIN	9CD6580500	330X197X1.6T		69	CE602	C ELECTRO	CEXF1H479V	50V RSS 4.7MF (5X11) TP	
3	CC001-004	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		70	CE603	C ELECTRO	CEXF1H478V	50V RSS 0.47MF (5X11) TP	
4	CC100	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		71	CE604	C ELECTRO	CEXF1H109V	50V RSS 1MF (5X11) TP	
5	CC101	C CERA	CCXF1H104Z	50V F 0.1MF Z		72	CE605-606	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
6	CC102	C CERA	CXCH1H150J	50V CH 15PF J (TAPPING)		73	CE607-608	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
7	CC103	C CERA	CXCH1H470J	50V CH 47PF J (TAPPING)		74	CE609	C ELECTRO	CEXF1H100V	50V RSS 10MF (5X11) TP	
8	CC200	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		75	CE610-611	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
9	CC201	C CERA	CCXF1H473Z	50V F 0.047MF Z (TAPPING)		76	CE612-613	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
10	CC202	C CERA	CCXF1H104Z	50V F 0.1MF Z		77	CE614-615	C ELECTRO	CEXF1H100V	50V RSS 10MF (5X11) TP	
11	CC203	C CERA	CCXF1H473Z	50V F 0.047MF Z (TAPPING)		78	CE616	C ELECTRO	CEXF1H339V	50V RSS 3.3MF (5X11) TP	
12	CC204	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		79	CE617-618	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
13	CC205	C CERA	CCXF1H223Z	50V F 0.022MF Z (TAPPING)		80	CE619	C ELECTRO	CEXF1H100V	50V RSS 10MF (5X11) TP	
14	CC206	C CERA	CCXB1H471K	50V B 470PF K (TAPPING)		81	CE620-621	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
15	CC207	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		82	CE800	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
16	CC209-211	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		83	CE801	C ELECTRO	CEXF1H100V	50V RSS 10MF (5X11) TP	
17	CC230	C CERA	CXCH1H390J	50V CH 39PF J (TAPPING)		84	CE802	C ELECTRO	CEXF1H109V	50V RSS 1MF (5X11) TP	
18	CC232	C CERA	CXCH1H330J	50V CH 33PF J (TAPPING)		85	CE803-804	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
19	CC234-238	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		86	CE805-806	C ELECTRO	CEXF1H470V	50V RSS 47MF (6.3X11) TP	
20	CC239	C CERA	CXCH1H390J	50V CH 39PF J (TAPPING)		87	CE807-808	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
21	CC260-262	C CERA	CCXB1H331K	50V B 330PF K (TAPPING)		88	CE809-810	C ELECTRO	CEXF1H109V	50V RSS 1MF (5X11) TP	
22	CC263	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		89	CE870-871	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
23	CC264	C CERA	CXCH1H820J	50V CH 82PF J (TAPPING)		90	CE872-873	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
24	CC265	C CERA	CXCH1H470J	50V CH 47PF J (TAPPING)		91	CE900-902	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
25	CC267	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		92	CE903	C ELECTRO	CEXF1H101V	50V RSS 100MF (8X11.5) TP	
26	CC401	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		93	CE904-905	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	
27	CC490-493	C CERA	CXCH1H101J	50V CH 100PF J (TAPPING)		94	CE906	C ELECTRO	CEXF1H101V	50V RSS 100MF (8X11.5) TP	
28	CC494	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		95	CE907-908	C ELECTRO	CEYF1E222V	25V RSS 2200MF (16X25)	
29	CC600	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		96	CE910	C ELECTRO	CEYF1H101V	50V RSS 100MF (8X11.5) TP	
30	CC601	C CERA	CCXF1H104Z	50V F 0.1MF Z		97	CE913-914	C ELECTRO	CEYF1V332V	35V RSS 3300MF (18X35.5)	
31	CC602	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		98	CF001-002	FILTER CERA	5PE107MJA-	SFE 10.7MHZ RED	
32	CC603-604	C CERA	CXCH1H470J	50V CH 47PF J (TAPPING)		99	CF200	FILTER	5PPCFAZ077	PCFAZ077	
33	CC605-606	C CERA	CCXB1H221K	50V B 220PF K (TAPPING)		100	CM200-201	C MYLAR	CMXM1H153J	50V 0.015MF J (TP)	
34	CC609-611	C CERA	CXCH1H101J	50V CH 100PF J (TAPPING)		101	CM270-271	C MYLAR	CMXM1H103J	50V 0.01MF J (TP)	
35	CC612-615	C CERA	CCXB1H221K	50V B 220PF K (TAPPING)		102	CM400-403	C MYLAR	CMXM1H104J	50V 0.1MF J	
36	CC616-619	C CERA	CCXB1H821K	50V B 820PF K (TAPPING)		103	CM404-405	C MYLAR	CMXM1H562J	50V 5600 PF J	
37	CC620	C CERA	CXCH1H101J	50V CH 100PF J (TAPPING)		104	CM600-601	C MYLAR	CMXM1H683J	50V 0.068 MF J	
38	CC621-622	C CERA	CCXB1H331K	50V B 330PF K (TAPPING)		105	CM602	C MYLAR	CMXM1H103J	50V 0.01MF J (TP)	
39	CC801	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		106	CM603	C MYLAR	CMXM1H332J	50V 3300 PF J	
40	CC804-805	C CERA	CCXB1H221K	50V B 220PF K (TAPPING)		107	CM605	C MYLAR	CMXM1H392J	50V 0.0039MF J	
41	CC870-871	C CERA	CCXF1H473Z	50V F 0.047MF Z (TAPPING)		108	CM606-607	C MYLAR	CMXM1H123J	50V 0.012 MF J	
42	CC872-873	C CERA	CCXB1H221K	50V B 220PF K (TAPPING)		109	CM608	C MYLAR	CMXM1H102J	50V 0.001MF J (TP)	
43	CC874-877	C CERA	CCXF1H104Z	50V F 0.1MF Z		110	CM609-610	C MYLAR	CMXM1H682J	50V 0.0068MF J	
44	CC900-902	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		111	CM611-612	C MYLAR	CMXM1H223J	50V 0.022MF J	
45	CC904	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		112	CM613	C MYLAR	CMXM1H102J	50V 0.001MF J (TP)	
46	CC906	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)		113	CM800-801	C MYLAR	CMXM1H473J	50V 0.047MF J	
47	CE001	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP		114	CM802-803	C MYLAR	CMXM1H104J	50V 0.1MF J	
48	CE201	C ELECTRO	CEXF1H479V	50V RSS 4.7MF (5X11) TP		115	CM808-809	C MYLAR	CMXM1H392J	50V 0.0039MF J	
49	CE202-203	C ELECTRO	CEXF1H100V	50V RSS 10MF (5X11) TP		116	CM900-903	C MYLAR	CMXM1H104J	50V 0.1MF J	
50	CE205	C ELECTRO	CEXF1H109V	50V RSS 1MF (5X11) TP		117	CM904-906	C MYLAR	CMXM1H103J	50V 0.01MF J (TP)	
51	CE206	C ELECTRO	CEXF1H478V	50V RSS 0.47MF (5X11) TP		118	CN400	CONN AS	9736407600	PIN BASE 53095-1310 13P	
52	CE207-208	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP		119	CN401	CONN PIN	9736407800	53095-1010 10PIN ANGLE	
53	CE209	C ELECTRO	CEXF1H109V	50V RSS 1MF (5X11) TP		120	CN900	CONN WAFER	9728804100	#22 10P P2.5 350 BOARD-IN	
54	CE210	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP		121	CW100	CONN WAFER	9CD6258800	2P S2B-XH-A	
55	CE230	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP		122	CW509	CONN AS	9738832101	8P 250 P=2.5 BOARDIN	
56	CE231	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP		123	CW600	CONN AS	9738833700	#26 8P FLAT 220MM	

Electrical Parts List

NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK	NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK
124	CW601	CONN AS	9738835000	UL 2851 #28X2C0 3P 260MM		191	JW430	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO	
125	CW602	CONN AS	9728804300	#26 7P SHIELD 350MM		192	JW431-432	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
126	D400	DIODE	DZN4148---	1N4148 AUTO 52MM		193	JW433-437	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
127	D601	DIODE	DZN4148---	1N4148 AUTO 52MM		194	JW440	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
128	D801	DIODE	DZN4148---	1N4148 AUTO 52MM		195	JW442	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
129	D802	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J		196	JW443-444	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
130	D870	DIODE	DZN4148---	1N4148 AUTO 52MM		197	JW450	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
131	D900-901	DIODE	D1N4001---	1N4001		198	JW451	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO	
132	D902-905	DIODE	DRL202---	RL202		199	JW454-455	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
133	D910-913	DIODE	D1N5402---	1N5402		200	JW457-458	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
134	DZ900	DIODE ZENER	DZT26R2B--	MTZ6.2B		201	JW600	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
135	DZ901	DIODE ZENER	DZT212B---	MTZ 12V 26MM TAPPING		202	JW601	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO	
136	DZ902	DIODE ZENER	DZT230B---	MTZ30B		203	JW602-605	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
137	IC200	IC	1LA1833N--	LA1833N		204	JW606-610	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
138	IC201	IC	1MC78L05--	MC78L05AC		205	JW611	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
139	IC230	IC PLL	1LC72131--	LC72131		206	JW612-618	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
140	IC260	IC	1TDA7479D-	TDA7479D		207	JW619-620	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
141	IC400	IC	1TDA7440--	TDA7440		208	JW621-623	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
142	IC600	IC	1BU4094BCF	BU4094BCF(SOP16)		209	JW626-627	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
143	IC601	IC AMSS	1LA2000---	LA2000		210	JW629	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
144	IC602	IC	1TA8189N--	TA8189N		211	JW631-635	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
145	IC603	IC	1UPC1330HA	UPC1330HA		212	JW637	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
146	IC800-801	IC	1TDA7295--	TDA7295		213	JW639-643	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
147	IC870	IC	1BA4560N--	BA4560N(H/P AMP)		214	JW644	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
148	IC900	IC	1L4959---	L4959		215	JW800-801	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
149	J001	JACK ANT	9736321900	PAT645		216	JW802-803	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
150	J490	JACK RCA	9CD6313700	S-436P		217	JW812-818	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
151	J800	JACK SPEAKER	9736320500	CJ-9007-040		218	JW820-822	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
152	J870	JACK HEADPHONE	9766319501	HTJ-064-05B GOLD		219	JW831	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
153	JW100	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		220	JW832	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
154	JW101-102	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		221	JW833-835	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
155	JW103	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO		222	JW836-837	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
156	JW105-107	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		223	JW838	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
157	JW108	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		224	JW901	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
158	JW109	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		225	JW902	R CARBON FILM	RD-4Z121J-	1/4 120 OHM J	
159	JW110-111	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		226	JW903	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
160	JW112	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		227	JW904	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
161	JW115-118	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		228	JW905-906	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
162	JW119	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		229	JW908	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
163	JW120-121	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		230	JW909	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
164	JW122	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		231	JW910	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO	
165	JW124-125	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		232	JW911-912	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO	
166	JW126	WIRE JUMPER	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO		233	JW915-918	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
167	JW127	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		234	JW921-922	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	
168	JW128	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		235	JW925-926	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
169	JW129	R CARBON FILM	RD-AZ220J-	1/6 22 OHM J		236	L001	COIL PEAKING	5CPZ100K02	10UH K (AXIAL 3.5MM)	
170	JW130	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		237	L100	AM RF UNIT	5LR0000835	KSNT-213M-1	
171	JW131	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		238	L102	COIL PEAKING	5CPZ100K02	10UH K (AXIAL 3.5MM)	
172	JW132-135	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		239	L270-271	COIL	5P076068--	6068MPX	
173	JW137	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		240	L600	COIL BIAS OSC	5L0503K643	SM-10F 5.04MH	
174	JW138-139	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		241	L601-602	COIL CHOKE	5LC333K804	33MH K	
175	JW140	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		242	Q001	TR	TZTC3194Y-	KTC3194Y	
176	JW142	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO		243	Q231	TR	TZTA107M--	KTA107M(AUTO)	
177	JW400	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		244	Q270-271	TR	TZTC3198Y-	KTC3198Y-(1815Y) (AUTO)	
178	JW401-402	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		245	Q600	TR	TKRC111M--	KRC111M (KSR1010)	
179	JW403	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		246	Q601	TR	TZTA107M--	KTA107M(AUTO)	
180	JW404	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO		247	Q602	TR	TKRC111M--	KRC111M (KSR1010)	
181	JW405-406	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		248	Q603-604	TR	TZTA1266Y-	KTA1266Y- (AUTO)(1015Y)	
182	JW407	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		249	Q605	TR	TKRC111M--	KRC111M (KSR1010)	
183	JW408	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		250	Q606	TR	TZTD1302--	KTD1302	
184	JW409-412	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		251	Q607	TR	TZTC3205Y-	KTC3205Y (2236Y)	
185	JW413-415	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		252	Q608	TR	TZTA1266Y-	KTA1266Y- (AUTO)(1015Y)	
186	JW418	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO		253	Q609	TR	TZTD1302--	KTD1302	
187	JW420-422	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		254	Q610	TR	TZTA1273Y-	KTA1273Y(966Y)	
188	JW424	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		255	Q612	TR	TZTD1302--	KTD1302	
189	JW425-426	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		256	Q614	TR	TKRC111M--	KRC111M (KSR1010)	
190	JW429	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		257	Q616	TR	TZTD1302--	KTD1302	

Electrical Parts List

NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK	NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK
258	Q801-802	TR	TZTA107M--	KTA107M(AUTO)		325	R607	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
259	Q803	TR	TKRC111M--	KRC111M (KSR1010)		326	R609	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
260	Q804-805	TR	TZTD1302--	KTD1302		327	R610	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
261	Q870-873	TR	TKRC111M--	KRC111M (KSR1010)		328	R611	R CARBON FILM	RD-AZ479J-	1/6 4.7 OHM J	
262	Q900	TR	TZTA1273Y-	KTA1273Y(966Y)		329	R612	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J	
263	R002	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO		330	R613-614	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
264	R003	R CARBON FILM	RD-AZ331J-	1/6 330 OHM J		331	R615	R CARBON FILM	RD-AZ333J-	1/6 33K OHM J	
265	R004	R CARBON FILM	RD-AZ470J-	1/6 47 OHM J		332	R616	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
266	R005	R CARBON FILM	RD-AZ332J-	1/6 3.3K OHM J		333	R617	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J	
267	R006	R CARBON FILM	RD-AZ681J-	1/6 680 OHM J		334	R618	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
268	R007	R CARBON FILM	RD-AZ331J-	1/6 330 OHM J		335	R619	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
269	R009	R CARBON FILM	RD-AZ121J-	1/6 120 OHM J		336	R620	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J	
270	R010	R CARBON FILM	RD-AZ100J-	1/6 10 OHM J		337	R621	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J	
271	R100	R CARBON FILM	RD-AZ223J-	1/6 22K OHM J		338	R622-623	R CARBON FILM	RD-AZ184J-	1/6 180K OHM J	
272	R101	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J		339	R624	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
273	R200	R CARBON FILM	RD-AZ682J-	1/6 6.8K OHM J		340	R625	R CARBON FILM	RD-AZ105J-	1/6 1M OHM J	
274	R201	R CARBON FILM	RD-AZ333J-	1/6 33K OHM J		341	R626	R CARBON FILM	RD-AZ221J-	1/6 220 OHM J	
275	R202	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		342	R627	R CARBON FILM	RD-AZ683J-	1/6 68K OHM J	
276	R203	R CARBON FILM	RD-AZ273J-	1/6 27K OHM J		343	R628-629	R CARBON FILM	RD-AZ823J-	1/6 82K OHM J	
277	R204	R CARBON FILM	RD-AZ183J-	1/6 18K OHM J		344	R631	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
278	R205	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		345	R633-635	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
279	R206	R CARBON FILM	RD-AZ151J-	1/6 150 OHM J		346	R636	R CARBON FILM	RD-AZ105J-	1/6 1M OHM J	
280	R207	R CARBON FILM	RD-AZ332J-	1/6 3.3K OHM J		347	R637	R CARBON FILM	RD-AZ271J-	1/6 270 OHM J	
281	R208	R CARBON FILM	RD-AZ100J-	1/6 10 OHM J		348	R638-639	R CARBON FILM	RD-AZ392J-	1/6 3.9K OHM J	
282	R209-210	R CARBON FILM	RD-AZ122J-	1/6 1.2K OHM J		349	R640	R CARBON FILM	RD-AZ271J-	1/6 270 OHM J	
283	R211-212	R CARBON FILM	RD-AZ332J-	1/6 3.3K OHM J		350	R641-642	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
284	R213	R CARBON FILM	RD-AZ563J-	1/6 56K OHM J		351	R643-644	R CARBON FILM	RD-AZ184J-	1/6 180K OHM J	
285	R230-231	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J		352	R645	R CARBON FILM	RD-AZ183J-	1/6 18K OHM J	
286	R232	R CARBON FILM	RD-AZ470J-	1/6 47 OHM J		353	R646	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
287	R233	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J		354	R647	R CARBON FILM	RD-AZ470J-	1/6 47 OHM J	
288	R234	R CARBON FILM	RD-AZ332J-	1/6 3.3K OHM J		355	R648-649	R CARBON FILM	RD-AZ334J-	1/6 330K OHM J	
289	R235-237	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		356	R650-651	R CARBON FILM	RD-AZ151J-	1/6 150 OHM J	
290	R239	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		357	R652-653	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
291	R241	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		358	R654-655	R CARBON FILM	RD-AZ272J-	1/6 2.7K OHM J	
292	R243-244	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J		359	R656	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
293	R245	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J		360	R658	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
294	R246	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J		361	R659-660	R CARBON FILM	RD-AZ682J-	1/6 6.8K OHM J	
295	R253	R CARBON FILM	RD-AZ221J-	1/6 220 OHM J		362	R662-663	R CARBON FILM	RD-AZ683J-	1/6 68K OHM J	
296	R254	R CARBON FILM	RD-AZ473J-	1/6 47K OHM J		363	R664-665	R CARBON FILM	RD-AZ820J-	1/6 82 OHM J	
297	R260	R CARBON FILM	RD-AZ100J-	1/6 10 OHM J		364	R666-669	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
298	R261-262	R CARBON FILM	RD-AZ823J-	1/6 82K OHM J		365	R670	R CARBON FILM	RD-AZ183J-	1/6 18K OHM J	
299	R270-271	R CARBON FILM	RD-AZ222J-	1/6 2.2K OHM J		366	R671	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
300	R272	R CARBON FILM	RD-AZ221J-	1/6 220 OHM J		367	R672-673	R CARBON FILM	RD-AZ333J-	1/6 33K OHM J	
301	R273	R CARBON FILM	RD-AZ474J-	1/6 470K OHM J		368	R674-677	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J	
302	R274	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		369	R802-805	R CARBON FILM	RD-AZ100J-	1/6 10 OHM J	
303	R275	R CARBON FILM	RD-AZ474J-	1/6 470K OHM J		370	R806	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
304	R276	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		371	R808	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
305	R277-278	R CARBON FILM	RD-AZ272J-	1/6 2.7K OHM J		372	R809	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
306	R400-401	R CARBON FILM	RD-AZ105J-	1/6 1M OHM J		373	R811-812	R CARBON FILM	RD-AZ473J-	1/6 47K OHM J	
307	R402-405	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J		374	R813-814	R CARBON FILM	RD-AZ681J-	1/6 680 OHM J	
308	R406-407	R CARBON FILM	RD-AZ562J-	1/6 5.6K OHM J		375	R815-816	R CARBON FILM	RD-AZ223J-	1/6 22K OHM J	
309	R408-409	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J		376	R817-818	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J	
310	R410	R CARBON FILM	RD-AZ221J-	1/6 220 OHM J		377	R819-820	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J	
311	R411	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		378	R870	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
312	R412-413	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J		379	R871	R CARBON FILM	RD-AZ560J-	1/6 56 OHM J	
313	R414	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J		380	R872	R CARBON FILM	RD-AZ563J-	1/6 56K OHM J	
314	R415-416	R CARBON FILM	RD-AZ683J-	1/6 68K OHM J		381	R874	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J	
315	R490	R CARBON FILM	RD-AZ392J-	1/6 3.9K OHM J		382	R876	R CARBON FILM	RD-AZ183J-	1/6 18K OHM J	
316	R491-492	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J		383	R877	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J	
317	R493	R CARBON FILM	RD-AZ392J-	1/6 3.9K OHM J		384	R878	R CARBON FILM	RD-AZ183J-	1/6 18K OHM J	
318	R600	R CARBON FILM	RD-AZ100J-	1/6 10 OHM J		385	R879	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J	
319	R601	R CARBON FILM	RD-AZ561J-	1/6 560 OHM J		386	R880	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
320	R602	R CARBON FILM	RD-AZ331J-	1/6 330 OHM J		387	R881	R CARBON FILM	RD-AZ333J-	1/6 33K OHM J	
321	R603	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J		388	R882	R CARBON FILM	RD-AZ563J-	1/6 56K OHM J	
322	R604	R CARBON FILM	RD-AZ561J-	1/6 560 OHM J		389	R883	R CARBON FILM	RD-AZ333J-	1/6 33K OHM J	
323	R605	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J		390	R900-901	R CARBON FILM	RD-AZ479J-	1/4 4.7 OHM J	
324	R606	R CARBON FILM	RD-AZ561J-	1/6 560 OHM J		391	R902-903	R CARBON FILM	RD-AZ221J-	1/6 220 OHM J	

Electrical Parts List

NO	LOCATION	PART-NAME	PART-CODE	PART-DESC	REMARK
392	R904	R CARBON FILM	RD-4Z121J-	1/4 120 OHM J	
393	R905	R CARBON FILM	RD-AZ562J-	1/6 5.6K OHM J	
394	R906-908	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
395	R909	R CARBON FILM	RD-AZ562J-	1/6 5.6K OHM J	
396	R910	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	
397	R911	R CARBON FILM	RD-AZ100J-	1/6 10 OHM J	
398	R912	R CARBON FILM	RD-AZ562J-	1/6 5.6K OHM J	
399	R913	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
400	RV600	R SEMI FIXED	RV1417222-	1/10 2.2K OHM B V6EK-PV1S	
401	TU001	TUNER PACK	9737613500	FTE4-401TC	
402	XC200	C DISCRIMINATOR	5P107MG86C	CDA10.7MG86N-C	
403	XC230	X-TAL	5XA7R20000	7.2M	
404	XC260	X-TAL	5XA4R332M-	4.332M	
1	13000	PCB P/T AS	9CDC057400	AMI-829SREF	
2	B9000	PCB P/T	9CD6580501	108X123X1.6T	
3	CC980	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)	
4	CC981	C CERA	CCXF1H104Z	50V F 0.1MF Z	
5	CD900	CORD AC	9736900200	KKP419C,KLCE-2F,0.75SQURE	
6	CE980	C ELECTRO	CEYF1E102V	25V RSS 1000MF (13X20)	
7	CW900	CONN WAFER	9728804100	#22 10P P2.5 350 BOARD-IN	
8	D980-985	DIODE	D1N4001--	1N4001	
9	F981	FUSE GLASS TUBE	5FSGB1222L	SEMKO TL 1.25A 250V MF51	
10	FC982-983	CLIP FUSE	9734600700	FC-5N	
11	IC980	IC	1MC78L05--	MC78L05AC	
12	JW980-981	WIRE JUMPER	W581GY17J5	AWG22 1/0.65 SN 17.5 AUTO	
13	JW982	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	
14	JW987	WIRE JUMPER	W581GY1505	AWG22 1/0.65 GY 15 AUTO	
15	JW989	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	
16	PT980	TRANS POWER	5TP8028829	EI=28X12 230V 50HZ	
17	PT981	TRANS POWER	5TP8074837	EI=74X42 230V 50HZ	
18	Q981	TR	TZTC3205Y-	KTC3205Y (2236Y)	
19	R980	R METAL FILM	RN-2Y475J-	1/2 4.7M OHM J	
20	R981	R CARBON FILM	RD-4Z101J-	1/4 100 OHM J	
21	R982	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	
22	R983	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J	
23	RF980	R FUSIBLE	RF01F4780J	0.47OHM 1W	
24	RF982-983	R FUSIBLE	RF01F4780J	0.47OHM 1W	
25	RY980	SW RELAY	5SC2001A01	SDT-S-105LMR	
26	TP980-981	PIN WRAPPING	9713550400	1.0X2.5X15	
27	W901	WIRE LEAD	9771091401	1P EGG LUG #22 50MM	