

CAR RADIO SERVICE MANUAL

COMPACT
disc
DIGITAL AUDIO

MP3



CUSTOM MADE FOR SUBARU CQ-EF1560L

AM/FM MPX ELECTRONIC TUNING
RADIO with 6-Disc CD Changer (MP3)

SUBARU PART No. : 86201AG66A

ID CODE : P-203UE

VEHICLE : LEGACY

DESTINATION : North America

PRODUCED AFTER : Mar., 2005

NOTE: TEXT button is replaced with RDM button for
CQ-EF1561L. The CD deck used for this
model is YGFD13301 while for CQ-EF1561L,
it is YGFD13196.

Specifications*

General

Power Supply	DC 12V (11V - 16V), Test Voltage 13.2V Negative Ground
Current Consumption	Less than 2.5A (Vol. Max.)
Maximum Output	More than 18W
Output Impedance	4Ω
Sub Woofer Maximum Output	More than 34W

AM Radio

Frequency Range	530 - 1,710kHz
Usable Sensitivity	26dB/μV
Signal to Noise Ratio	More than 45dB

FM Stereo Radio

Frequency Range	87.7 - 107.9MHz
Usable Sensitivity	6dB/μV (S/N 30dB)

CD Changer (YGFD13301)	
Signal to Noise Ratio	More than 68dB (IHF-A)
Total Harmonic Distortion	Less than 0.4%
Channel Separation	65dB (IHF-A)
Dimensions** (WxHxD)	178x100x175mm
Weight**	3060g

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

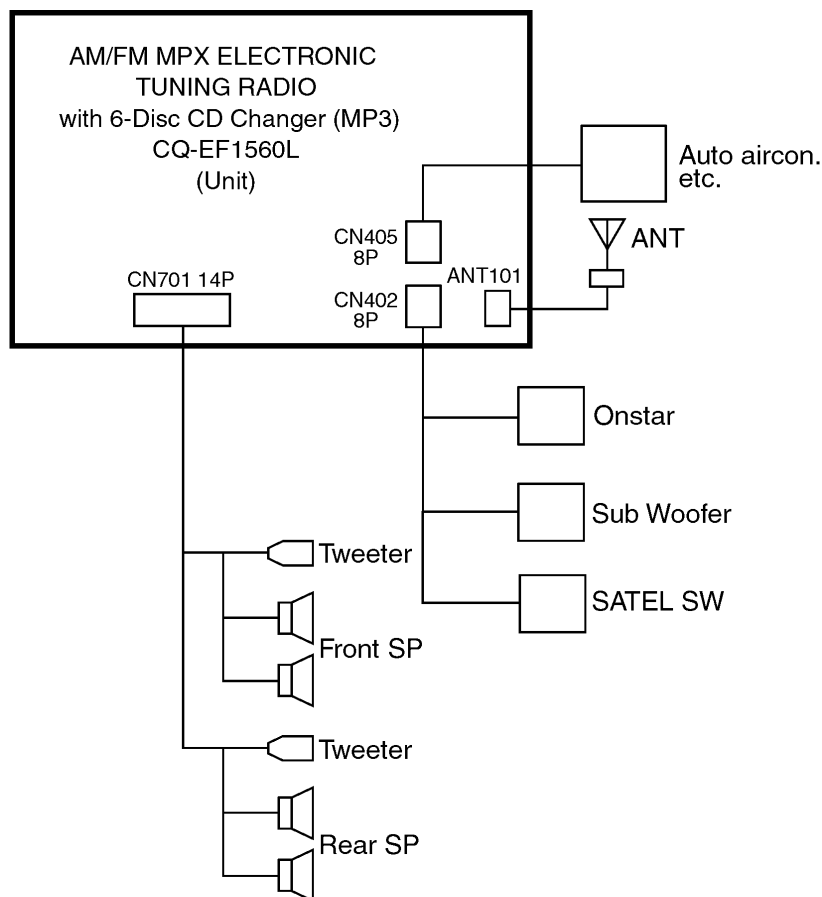
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1 FEATURES

- PLL (Phase Locked Loop) synthesized tuning.
- 18-station preset (12-FM, 6-AM)
- Scan Tuning.
- Adjustable VOL, BAS, MID, TRE, FAD and BAL.
- BEEP sound output (at Preset, All Loading /Eject)
- Audio connecting wires check function.
- VFD all lighting check function.
- Fix EQ (21Z Premium spec.)
- Main 4ch amp output 43W (Max.)
- Sub-woofer 1ch amp output 60W (Max.)
- Speaker system : 4SP+2TW+1SubWoofer.
- 6-disc CD changer (in dash board).
- MP3 Playback from CD-R/CD-RW.
- ACC OFF Loading is possible.
- Correspondance auto air conditioner.
- Correspondance Car Navigation.

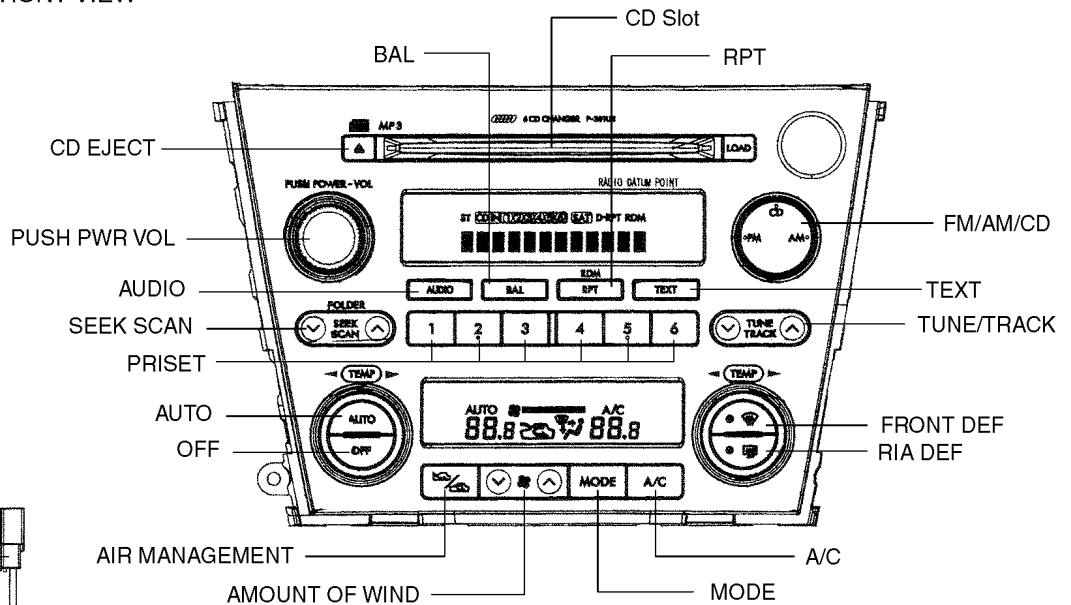
2 SYSTEM BLOCK DIAGRAM (For Testing)



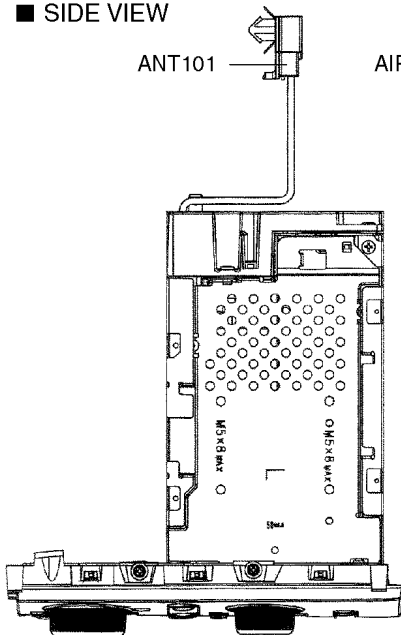
When this system is tested, this system diagram is subject to change from the actual vehicle.

3 REAR/FRONT VIEW AND CONNECTORS

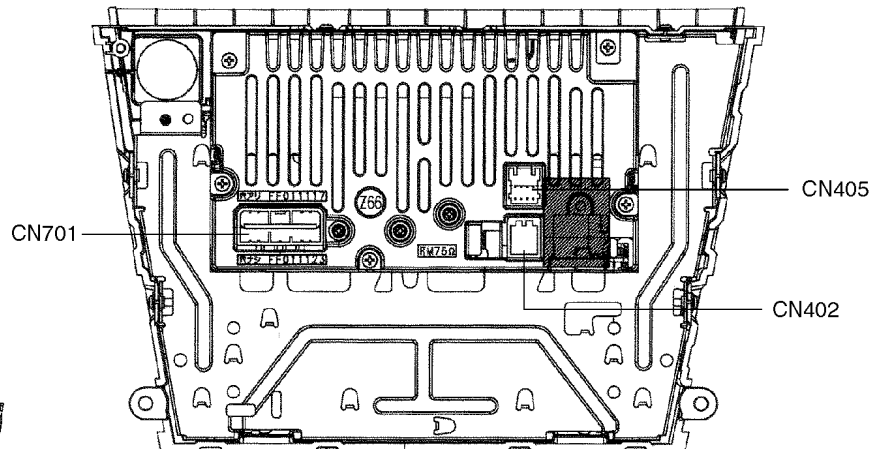
FRONT VIEW



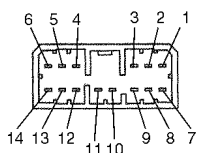
SIDE VIEW



REAR VIEW



CN701 14P CONNECTOR



1. ILLUMINATION POWER SUPPLY ⊕
2. FRONT SP OUTPUT R ⊕
3. FRONT SP OUTPUT L ⊕
4. REAR SP OUTPUT R ⊕
5. REAR SP OUTPUT L ⊕
6. BACK UP POWER SUPPLY
7. ILLUMINATION CONTROL ⊖
8. FRONT SP OUTPUT R ⊖
9. FRONT SP OUTPUT L ⊖
10. ACC POWER SUPPLY
11. GROUND
12. REAR SP OUTPUT R ⊖
13. REAR SP OUTPUT L ⊖
14. OUTPUT FOR ANTENNA

CN402 8P CONNECTOR



1. WOOFER ⊕
2. SATEL SW ⊕
3. TEL ON
4. SIGNAL ⊕
5. N.C
6. SATEL SW ⊖
7. WOOFER ⊖
8. SIGNAL ⊖

CN405 8P CONNECTOR



1. IG
2. NAVI. SIGNAL ⊖
3. TX
4. NAVI. SIGNAL ⊕
5. GND
6. NAVI. IN
7. RX
8. NAVI. BEEP

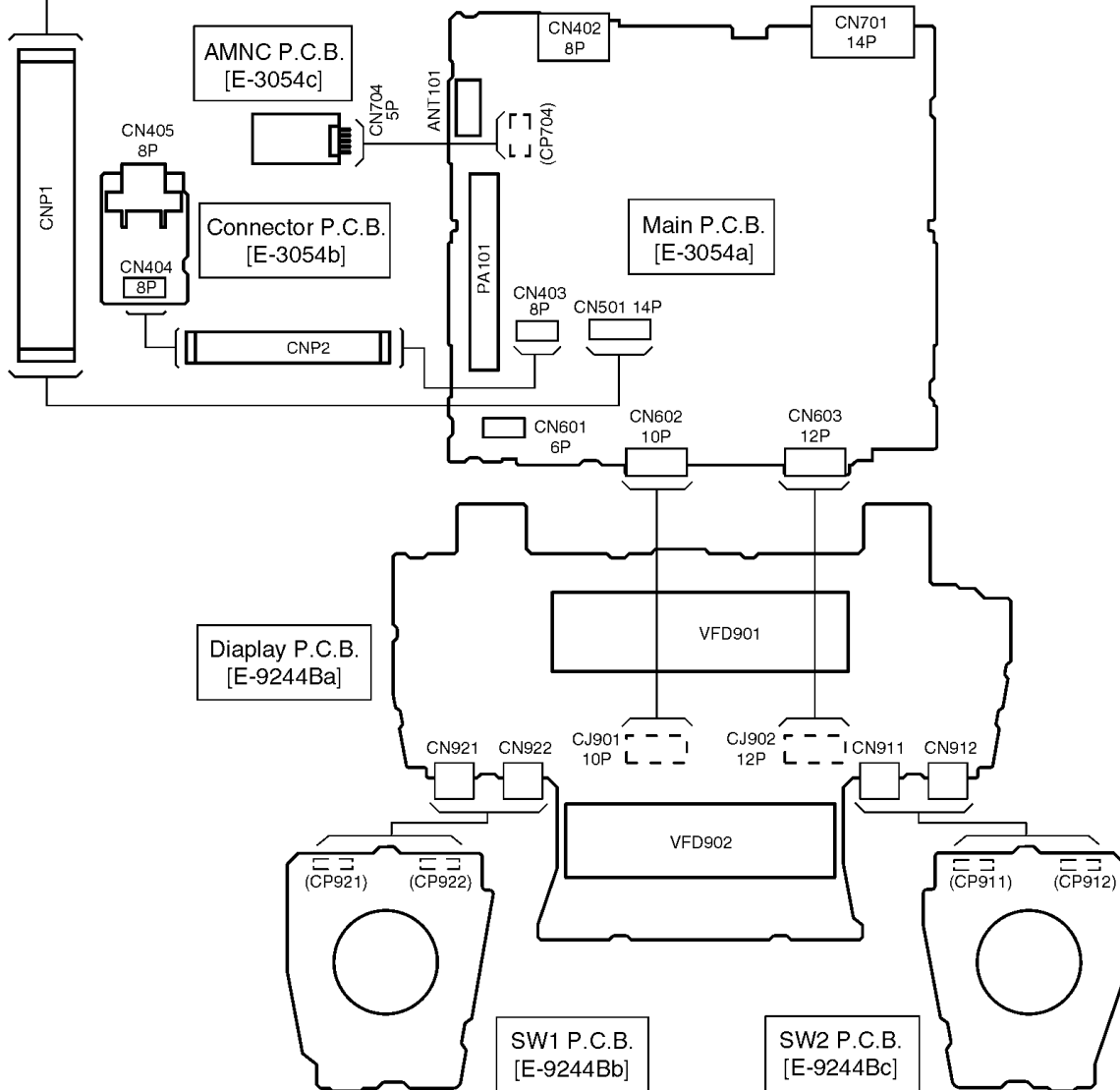
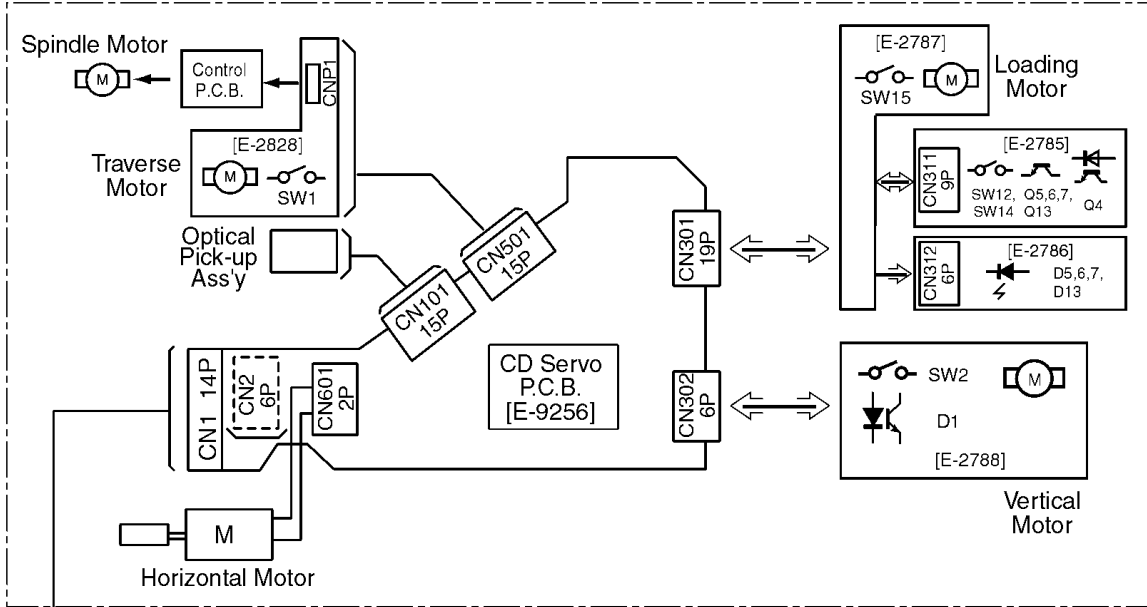
ANT101 3P ANTENNA CABLE



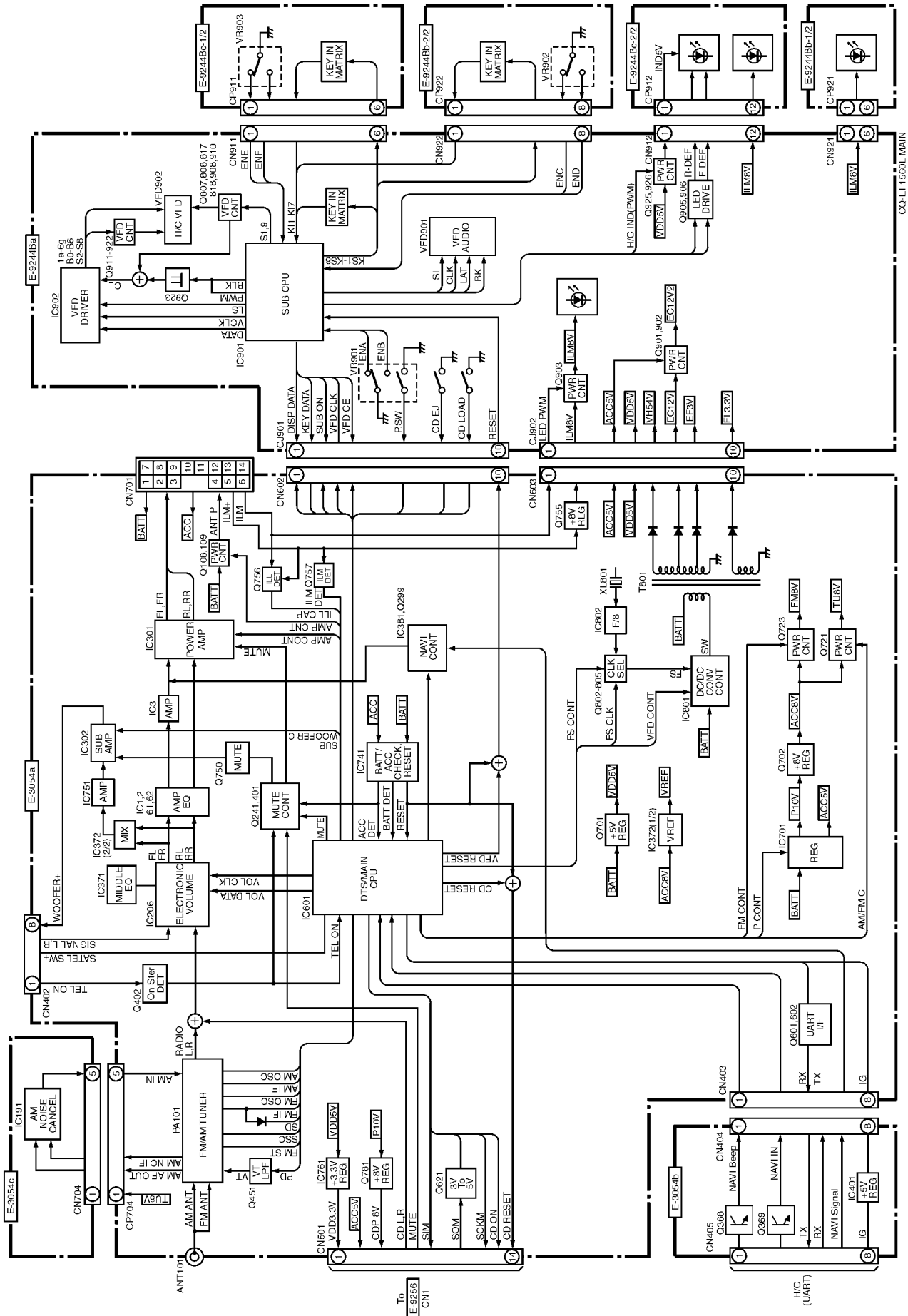
1. NC
2. MAIN ANT
3. NC

4 WIRING CONNECTION

CD Changer Block



5 BLOCK DIAGRAM



6 TERMINALS DESCRIPTION

6.1. Main Block

IC601 : C2BBGF000658

Pin No.	Port	Descriptions	I/O	FM (V)	AM (V)	CD (V)
1	BATT-DET	Battery level detection	I	5.2	5.2	5.1
2	ACC-DET	ACC level detection	I	5.7	5.7	5.6
3	CD-SOM	CD serial data	I	2.7	2.7	2.5
4	CD-SIM	CD serial data	O	0	0	3.7
5	CD-SCKM	Shift clock for CD serial data	O	4.9	4.9	4.9
6	CD-ON	CD controll enable	O	5.1	5.1	5.0
7	CD-RESET	CD reset	O	5.2	5.2	5.2
8	KEY.DATA	Key data	I	1.0	1.0	1.0
9	DISP.DATA	Display data	O	5.1	5.1	5.1
10	VFD.CLK	VFD data shift clock	I	5.2	5.1	5.1
11	PBUS.IN	PBUS data	I	1.0	1.6	1.0
12	PBUS.OUT	PBUS data	O	0	0	0
13	PBUS.CLK	PBUS clock	I	1.0	1.6	1.0
14	CD.SW1	Not used	-	-	-	-
15	CD.SW3	(Ground pull-down)	-	0	0	0
16	NAVI.CONT	No connection	O	0	0	0
17	VOL.CLK	Electronic volume clock	O	0	0	0
18	VOL.DATA	Electronic volume data	O	0	0	0
19	ANT.CONT	Antenna power on/off	O	0	5.1	0
20	SubWF.C	Woofers amp. control	O	5.2	5.2	5.2
21	MUTE	System mute	O	0	0	0
22	AMP.CONT	Power Amp. stand-by	O	5.2	5.2	5.2
23	(ILM-.DET)	ILL. detection	I	0	0	0
24	SAT.SW	Satellite SW+	I	5.2	5.2	5.2
25	NAVI.IN	No connection	I	0.8	1.6	0.8
26	NAVI.BEEP	Not used	-	0.8	1.7	0.8
27	VDD	+5V power supply	-	5.2	5.2	5.2
28	(GND)	(Ground pull-down)	-	0	0	0
29	(GND)	(Ground pull-down)	-	0	0	0
30	SD	B/S detection	I	0	0	0
31	FM.ST	FM stereo detection	I	0.5	2.2	0
32	GND	Ground	-	0	0	0
33	REG.CPU	Bypass capacitor terminal	-	3.6	3.6	3.6
34	VDD	+5V power supply	-	5.2	5.2	5.2
35	REG.OSC	Bypass capacitor terminal	-	5.2	5.2	5.2
36	X2	Crystal oscillator	-	2.4	2.4	2.4
37	X1	Crystal oscillator	-	2.4	2.4	2.4
38	GND	Ground	-	0	0	0
39	SSC	Search stop clear	O	0	0	0
40	GND	Ground	-	0	0	0
41	AM.IF	AM IF counter	O	0.7	0.7	0.7
42	FM.IF	FM IF counter	O	0.5	0.5	0.5
43	PLL.VDD	PLL +5V power supply	-	5.2	5.2	5.2
44	FM.OSC	FM local OSC	I	2.7	0	0
45	AM.OSC	AM local OSC	I	0.8	2.0	0
46	PLL.GND	Ground	-	0	0	0
47	PD	LPF control	O	1.6	1.6	1.7
48	NC	No connection	-	-	-	-
49	IC	(Connecting to ground)	-	0	0	0
50	/RESET	System reset	I	5.1	5.1	5.1
51	CD.Eject	CD eject switch	I	5.2	5.2	5.3
52	CD.Load	No connection	I	5.2	5.2	5.2
53	(GND)	(Ground pull-down)	-	0	0	0
54	(GND)	(Ground pull-down)	-	0	0	0
55	ILL.CAP	ILL- detection	I	5.2	5.2	5.2
56	(GND)	(Ground pull-down)	-	0	0	0
57	(GND)	(Ground pull-down)	-	0	0	0
58	(GND)	(Ground pull-down)	-	0	0	0
59	BEEP	Beep output	O	0	0	0
60	(GND)	(Ground pull-down)	-	0	0	0
61	Fs.CLK	DC/DC control clock	O	0.9	0.9	0.9
62	AM/FM CONT	Radio power cont.	O	0.6	0.6	8.9
63	/WB.CONT	WB radio power control	O	1.1	1.1	1.5
64	FM.CONT	FM radio power control	O	0.6	8.8	8.9
65	F.CONT	DC/DC control	O	0	0	0
66-68	NC	No connection	-	-	-	-

Pin No.	Port	Descriptions	I/O	FM (V)	AM (V)	CD (V)
69	HC.OUT	Heater control data	I	0	0	0
70	HC.IN	Heater control data	O	0	0	0
71	Siyou5	Specification setting	I	0	0	0
72	Bright	(Ground pull-down)	-	0	0	0
73	Ig	Ignition SW	I	0	0	0
74	Siyou4	Specification setting	I	0	0	0
75	/VFD.Reset	VFD driver reset	O	5.2	5.2	5.2
76	VFD.Ce	VFD driver chip enable	O	5.2	5.2	5.2
77	Bub.On	Data BUS control	O	5.2	5.2	5.2
78	NC	No connection	-	-	-	-
79	POWER.SW	Power SW on/off	I	5.2	5.2	5.2
80	PBUS.STB	PBUS strobe	O	1.6	1.6	1.5
81	ILM+.Det	(ACC5V pull-up)	I	0	0	0
82	GND	Ground	-	0	0	0
83	TEST.P	Test point	I	5.2	5.2	5.2
84	Siyou1	Specification setting	I	0	0	0
85	Siyou2	Specification setting	I	0	0	0
86	Siyou3	Specification setting	I	0	0	0
87	Beep.C (NC)	No connection	-	-	-	-
88	TEL.ON	Telephone mute	I	0	0	0
89	P.CONT (ACC)	Power control	O	5.2	5.2	5.2
90	VFD.CNT	VFD DC-DC control	O	0	0	0
91-98	(GND)	(Ground pull-down)	-	0	0	0
99	VDD	+5V power supply	-	5.2	5.2	5.2
100	GND	Ground	-	0	0	0

Note : Voltage measurements are with respect to ground, with a voltmeter (internal resistance : 10M ohms).

6.2. Display Block

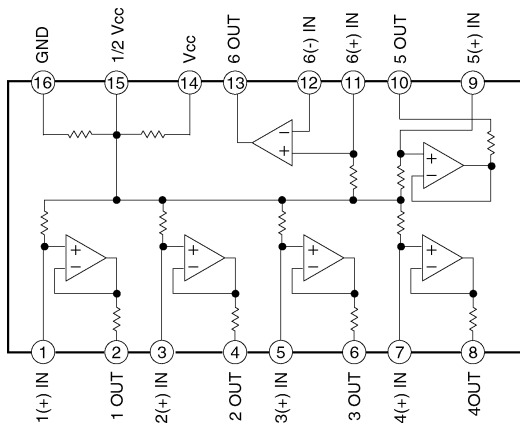
IC901 : C2BBGE000641

Pin No.	Port	Descriptions	I/O	Vol (V)
1	KI6	Key data	I	5.1
2	KI7	Key data	I	5.1
3	NC	No connection	-	-
4	F.DEF.LED	Front defroster LED cont.	O	0
5	R.DEF.LED	Rear defroster LED cont.	O	0
6	/SEG.S1	H/C VFD segment data	O	5.1
7	/SEG.S9	H/C VFD segment data	O	5.1
8	COG.LAT	AUDIO VFD test	O	0
9	VSS0	Ground	-	0
10	VDD	+5V power supply	-	5.1
11	KS5	Key strobe	O	0.8
12	KS6	Key strobe	O	0.5
13	Siyou	Specification setting	I	0
14	KS7	Key strobe	O	0.5
15	KS8	Key strobe	O	4.5
16	COG.SI	AUDIO VFD serial data	O	0.5
17	COG.CLK	AUDIO VFD data shift clock	O	4.1
18	DISP.DATA	Display data	I	5.0
19	KEY.DATA	Key data	O	0.7
20	VFD.CLK	VFD data shift clock	O	5.1
21	NC	No connection	-	-
22	H/C.VFD.STB	Strobe for H/C VFD data	O	0
23	NC	No connection	-	-
24	VDD1	+5V power supply	-	5.1
25	AVSS	Ground	-	0
26-29	(GND)	(Connecting to ground)	-	0
30	EN.F	Rotary encoder data	I	5.1
31	EN.E	Rotary encoder data	I	5.1
32	EN.D	Rotary encoder data	I	5.1
33	EN.C	Rotary encoder data	I	5.1
34	GND	Ground	-	0
35	AVDD	+5V power supply	-	5.1
36	RESET	Reset input	I	5.1
37	NC	No connection	-	-

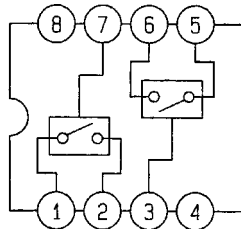
Pin No.	Port	Descriptions	I/O	Vol (V)
38	VDD	+5V power supply	-	5.1
39	IC	(Ground pull-down)	I	0
40	X2	Crystal oscillator	-	3.0
41	X1	Crystal oscillator	-	2.8
42	VSS1	Ground	-	0
43	VFD.CE	VFD chip enable	I	5.1
44	BUS.ON	Data BUS control	I	5.1
45,46	NC	No connection	-	-
47	COG.BK	AUDIO VFD blanking	O	0.7
48	H/C.VFD.BLK	H/C VFD Blanking	O	5.1
49	PWM.OUT	Defroster LED power cont.	O	5.1
50	H/C.VFD.PWM	H/C VFD driver clear	O	4.3
51	H/C.VFD.CLK	H/C VFD data shift clock	O	0.5
52	H/C.VFD.DATA	H/C VFD data	O	0
53	ACC 5V.DET	ACC 5V detection	I	5.1
54	EN.B	Encoder data	I	5.1
55	EN.A	Encoder data	I	5.1
56-59	KS1-4	Key strobe	O	4.6
60-64	KI1-5	Key data	I	5.1

7 PACKAGE AND IC BLOCK DIAGRAM

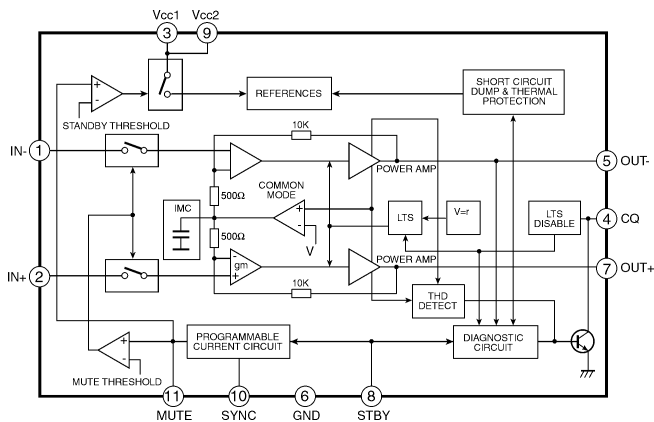
7.1. Main/AMNC Block



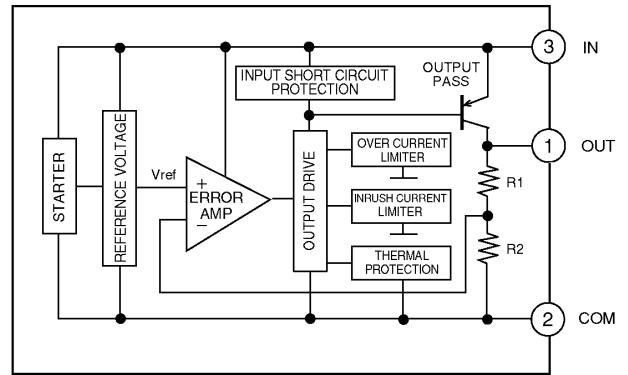
IC2,62 : YEAMTA2062FL



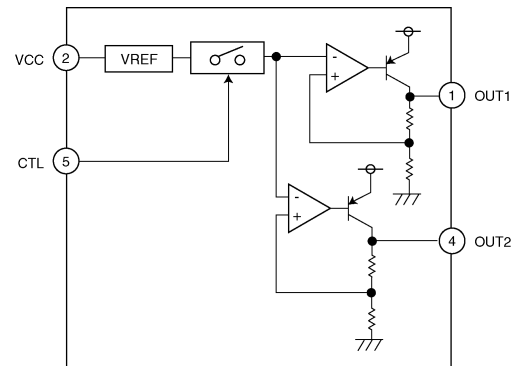
IC381 :
YEAMT4W66FUL



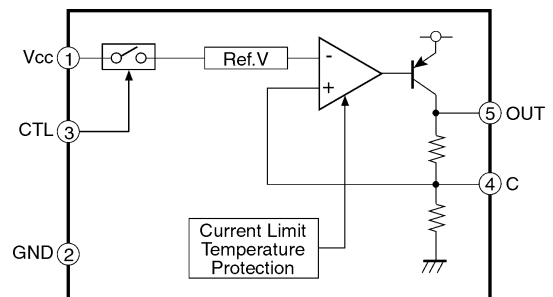
IC302 : C1BA0000353



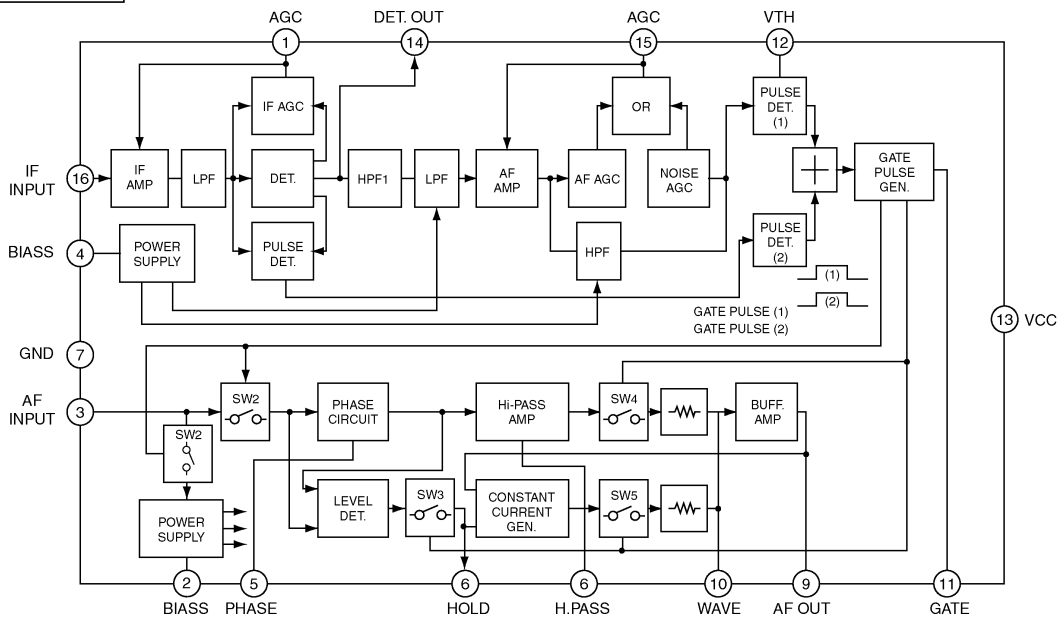
IC401 : AN77L05M-E1



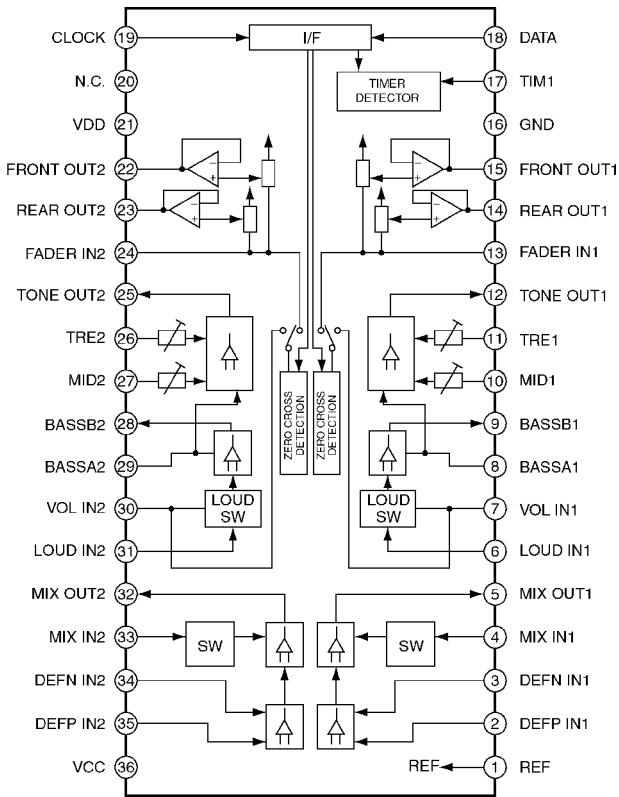
IC701 : YEAMA61W12ST



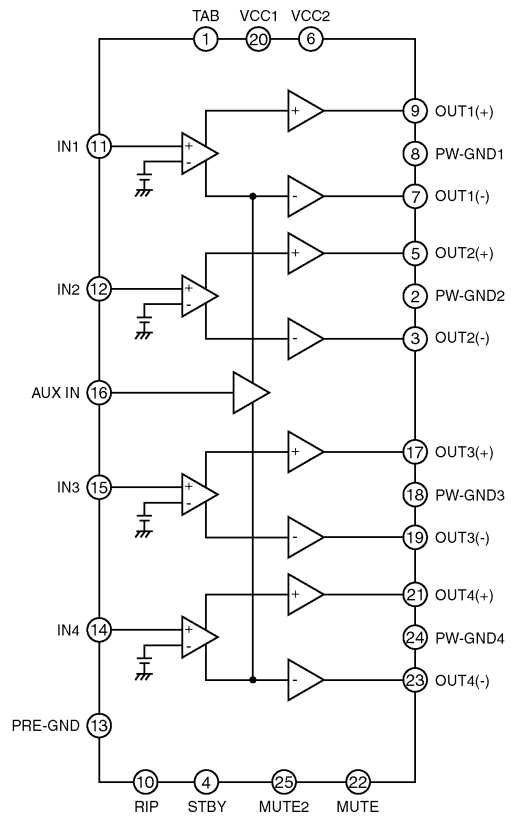
IC761 : C0DBFGD00001



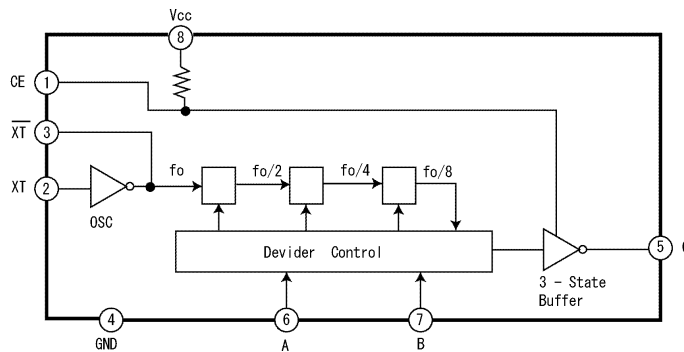
IC191 : YEAMHA12181F



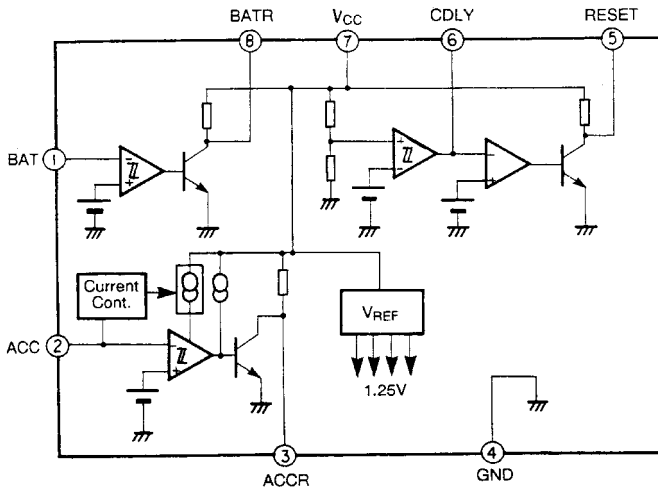
IC206 : C1BB0000284



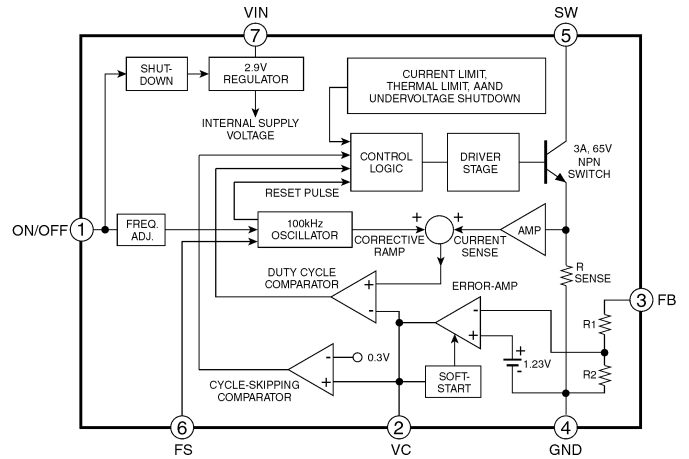
IC301 : C1BA00000354



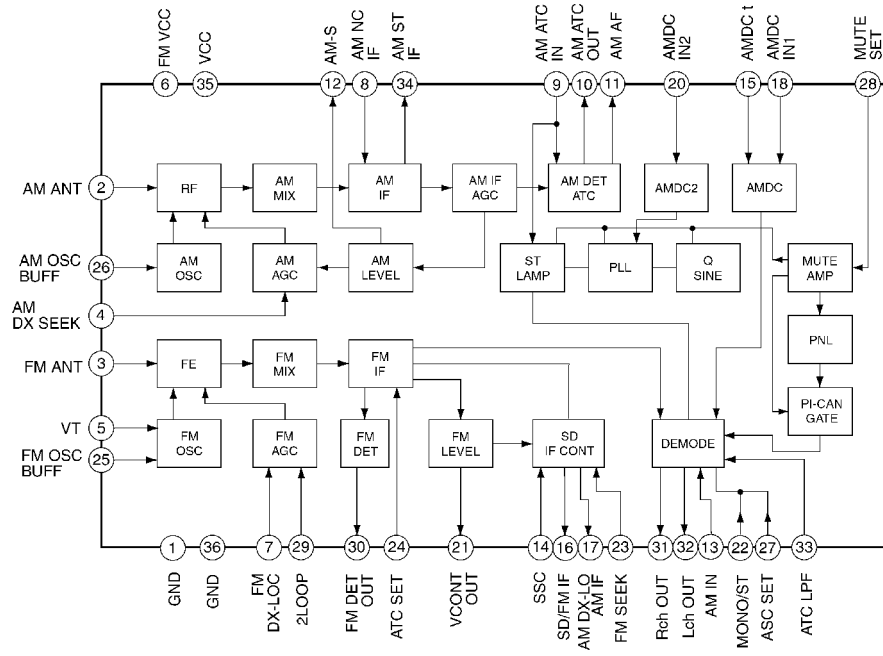
IC802 : YEAMTC3W03FU



IC741 : AN8065SE1

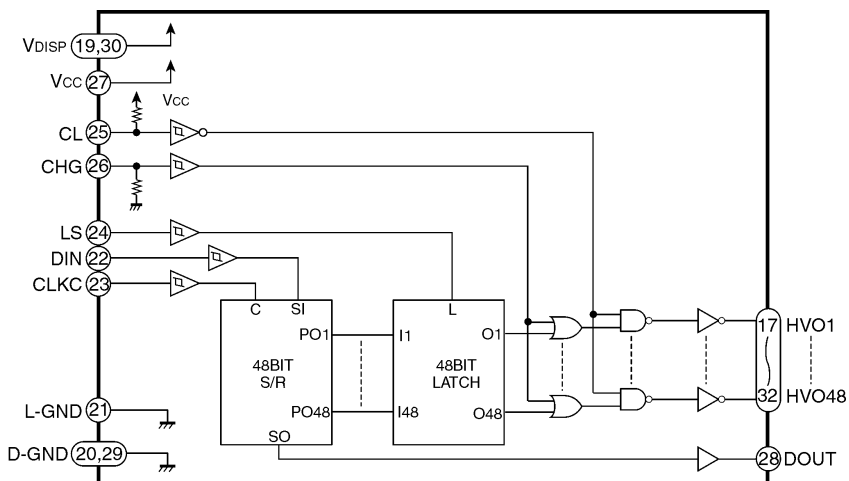


IC801 : C0DBAMH00010



PA101 : YEP0PTA514B0

7.2. Display Block



IC902 : C0HBB0000034

8 REPLACEMENT PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Ref. No.	Part No.	Part Name & Description	Remarks
[E3054] Main/Connector/AMNC Block			
IC's AND TRANSISTORS			
IC1	YEAMM2115MT1	IC	
IC2	YEAMTA2062FL	IC	
IC3	YEAMM2115MT1	IC	
IC61	YEAMM2115MT1	IC	
IC62	YEAMTA2062FL	IC	
IC191	YEAMHA12181F	IC	
IC206	C1BB00000284	IC	
IC301	C1BA00000354	IC	
IC302	C1BA00000353	IC	
IC371	YEAMM2115MT1	IC	
IC372	YEAMM2115MT1	IC	
IC381	YEAMT4W66FUL	IC	
IC401	AN77L05M-E1	IC	
IC601	C2BBGF000658	IC	
IC701	YEAMA61W12ST	IC	
IC741	AN8065SE1	IC	
IC751	YEAMM2115MT1	IC	
IC761	C0DBFGD00001	IC	
IC801	C0DBAMH00010	IC	
IC802	YEAMTC3W03FU	IC	
PA101	YEP0PTA514B0	Electronic Tuner	
Q108	YEANCL14YKX	Transistor	
Q109	2SB1073TX	Transistor	
Q241	B1GBCFNN0004	Transistor	
Q299	B1GBCFNN0004	Transistor	
Q368	B1GBCFNN0004	Transistor	
Q369	B1GBCFNN0004	Transistor	
Q401	B1GDCFNN0002	Transistor	
Q402	B1CEGG000001	Transistor	
Q451	YEAN2SK536TB	Transistor	
Q601	YEANB1198KT	Transistor	
Q602	YEANC2412KTX	Transistor	
Q621	B1CEGG000001	Transistor	
Q701	B1BBAC000007	Transistor	
Q702	YEAND1862T	Transistor	
Q721	YEANBP1F3PT	Transistor	
Q723	YEANBP1F3PT	Transistor	
Q750	B1GBCFNN0004	Transistor	
Q755	YEAN2SD1856	Transistor	
Q756	YEANCL14WKTX	Transistor	
Q757	YEANCL14WKTX	Transistor	
Q781	2SD2139TA	Transistor	
Q802	YEANCL14YKX	Transistor	
Q803	B1GBCFNN0004	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q804	YEANA114TK	Transistor	
Q805	B1GBCFNN0004	Transistor	
DIODES			
D151	MA3X152A0L	Diode	
D232	MA152WKTXX	Diode	
D233	MA152WKTXX	Diode	
D401	MA8056LMHTX	Diode	
D404	MA3X152K0L	Diode	
D601	MA152WATX	Diode	
D621	MA152WATX	Diode	
D701	B0BC02700005	Diode	
D702	YEADRB051L40	Diode	
D705	B0BC9R000011	Diode	
D706	B0BC5R700005	Diode	
D707	YEADSR1544TL	Diode	
D710	YEADDA3A2B	Diode	
D723	B0ACCK000005	Diode	
D750	B0BC9R000011	Diode	
D753	MA736TX	Diode	
D754	MA736TX	Diode	
D757	B0BC8R100007	Diode	
D781	B0BC9R000011	Diode	
D801	B0BC5R100005	Diode	
D803	B0FCKM000001	Diode	
D804	B0FCKM000001	Diode	
D805	B0FCKM000001	Diode	
D806	B0ACCK000005	Diode	
D808	YEADDAM3MA47	Diode	
D809	B0FCKM000001	Diode	
D811	B0FCKM000001	Diode	
D813	B0FCKM000001	Diode	
CAPACITORS			
C2	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C3	YECUS1H153KX	Ceramic, 0.015 μ F 50WV	
C4	YECUS1C154KX	Ceramic, 0.15 μ F 16WV	
C8	F1J1C394A006	Ceramic, 0.39 μ F 16WV	
C9	YECUS1E273KX	Ceramic, 0.027 μ F 25WV	
C13	F1J1H472A675	Ceramic, 4700PF 50WV	
C14	F1J1H561A675	Ceramic, 560PF 50WV	
C16	ECQV1H104B46	Plastic Film, 0.1 μ F 50WV	
C22	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C23	F1J1E563A042	Ceramic, 0.056 μ F 25WV	
C24	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C27	YECUS1H123KX	Ceramic, 0.012 μ F 50WV	
C29	F1J1H392A675	Ceramic, 3900PF 50WV	
C31	F1J1H561A675	Ceramic, 560PF 50WV	
C32	ECQV1H104B46	Plastic Film, 0.1 μ F 50WV	
C51	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C52	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C53	F1J1H471A390	Ceramic, 470PF 50WV	
C62	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C63	YECUS1H153KX	Ceramic, 0.015 μ F 50WV	
C64	YECUS1C154KX	Ceramic, 0.15 μ F 16WV	
C68	F1J1C394A006	Ceramic, 0.39 μ F 16WV	
C69	YECUS1E273KX	Ceramic, 0.027 μ F 25WV	
C73	F1J1H472A675	Ceramic, 4700PF 50WV	
C74	F1J1H561A675	Ceramic, 560PF 50WV	
C75	ECQV1H104B46	Plastic Film, 0.1 μ F 50WV	
C82	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C83	F1J1E563A042	Ceramic, 0.056 μ F 25WV	
C84	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C87	YECUS1H123KX	Ceramic, 0.012 μ F 50WV	
C89	F1J1H392A675	Ceramic, 3900PF 50WV	
C91	F1J1H561A675	Ceramic, 560PF 50WV	
C92	ECQV1H104B46	Plastic Film, 0.1 μ F 50WV	
C96	ECEA1APD101I	Electrolytic, 100 μ F 10WV	
C97	ECEA1APD101I	Electrolytic, 100 μ F 10WV	
C98	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C99	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C101	YECUS1C154KX	Ceramic, 0.15µF 16WV	
C102	FLJ1H472A675	Ceramic, 4700PF 50WV	
C121	YECUS1E273KX	Ceramic, 0.027µF 25WV	
C124	FLJ1H682A675	Ceramic, 6800PF 50WV	
C125	YECUS1C474KX	Ceramic, 0.47µF 16WV	
C131	YECUS1E273KX	Ceramic, 0.027µF 25WV	
C134	FLJ1H682A675	Ceramic, 6800PF 50WV	
C136	YECUS1C474KX	Ceramic, 0.47µF 16WV	
C142	ECEAL1EKS3R3I	Electrolytic, 3.3µF 25WV	
C143	FLJ1H333A395	Ceramic, 0.033µF 50WV	
C144	ECEAL1HBD010I	Electrolytic, 1µF 50WV	
C145	YECUS1H683ZF	Ceramic, 0.068µF 50WV	
C146	FLJ1H333A395	Ceramic, 0.033µF 50WV	
C147	FLJ1H333A395	Ceramic, 0.033µF 50WV	
C148	FLH1C563A005	Ceramic, 0.056µF 16WV	
C149	YECUZ1E183KX	Ceramic, 0.018µF 25WV	
C150	FLJ1H333A395	Ceramic, 0.033µF 50WV	
C151	ECEAL1CKA100	Electrolytic, 10µF 16WV	
C152	FLJ1H151A672	Ceramic, 150PF 50WV	
C153	FLJ1H471A390	Ceramic, 470PF 50WV	
C154	YECUZ1E223KX	Ceramic, 0.022µF 25WV	
C156	FLJ1H103A700	Ceramic, 0.01µF 50WV	
C161	YECUS1E223KX	Ceramic, 0.022µF 25WV	
C162	ECA1AM221I	Electrolytic, 220µF 10WV	
C163	FLJ1H103A700	Ceramic, 0.01µF 50WV	
C164	YECUS1E223KX	Ceramic, 0.022µF 25WV	
C165	ECEAL1AKA221	Electrolytic, 220µF 10WV	
C170	FLJ1H222A675	Ceramic, 2200PF 50WV	
C171	FLJ1H103A700	Ceramic, 0.01µF 50WV	
C173	ECEAL1AKS101	Electrolytic, 100µF 10WV	
C174	FLJ1H224A679	Ceramic, 0.22µF 50WV	
C175	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C200	YECUS1E393KX	Ceramic, 0.039µF 25WV	
C201	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C202	YECUS1C683KX	Ceramic, 0.068µF 16WV	
C203	YECUS1C683KX	Ceramic, 0.068µF 16WV	
C204	FLJ1H103A700	Ceramic, 0.01µF 50WV	
C205	ECEAL1HBD010I	Electrolytic, 1µF 50WV	
C206	FLJ1H472A675	Ceramic, 4700PF 50WV	
C207	FLJ1H182A514	Ceramic, 1800PF 50WV	
C208	ECEAL1HBD010I	Electrolytic, 1µF 50WV	
C216	ECEAL1CBD4R7I	Electrolytic, 4.7µF 16WV	
C217	FLH1H6810007	Ceramic, 680PF 50WV	
C219	ECEAL1HBD010I	Electrolytic, 1µF 50WV	
C220	ECEAL1HBD010I	Electrolytic, 1µF 50WV	
C241	ECEAL1HKA010	Electrolytic, 1µF 50WV	
C242	ECEAL1CKA100	Electrolytic, 10µF 16WV	
C243	ECA1CM101I	Electrolytic, 100µF 16WV	
C261	ECEAL1APD101I	Electrolytic, 100µF 10WV	
C262	FLJ1H103A700	Ceramic, 0.01µF 50WV	
C263	FLJ1H103A700	Ceramic, 0.01µF 50WV	
C274	YECUS1C823KX	Ceramic, 0.082µF 16WV	
C294	FLH1H104A783	Ceramic, 0.1µF 50WV	
C297	FLJ1H1020024	Ceramic, 1000PF 50WV	
C299	FLK1H683A033	Ceramic, 0.068µF 50WV	
C301	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C302	YECUS1C683KX	Ceramic, 0.068µF 16WV	
C303	YECUS1C683KX	Ceramic, 0.068µF 16WV	
C304	FLJ1H103A700	Ceramic, 0.01µF 50WV	
C305	ECEAL1HBD010I	Electrolytic, 1µF 50WV	
C306	FLJ1H472A675	Ceramic, 4700PF 50WV	
C307	FLJ1H182A514	Ceramic, 1800PF 50WV	
C308	ECEAL1HBD010I	Electrolytic, 1µF 50WV	
C312	YECUZ1H332KX	Ceramic, 3300PF 50WV	
C313	YECUZ1H332KX	Ceramic, 3300PF 50WV	
C314	YECUZ1H332KX	Ceramic, 3300PF 50WV	
C315	YECUZ1H332KX	Ceramic, 3300PF 50WV	
C316	ECEAL1CBD4R7I	Electrolytic, 4.7µF 16WV	
C317	FLH1H6810007	Ceramic, 680PF 50WV	
C319	ECEAL1HBD010I	Electrolytic, 1µF 50WV	
C320	ECEAL1HBD010I	Electrolytic, 1µF 50WV	
C321	ECEAL1HBD010I	Electrolytic, 1µF 50WV	
C322	ECEAL1HBD010I	Electrolytic, 1µF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C361	YECUV1H473ZF	Ceramic, 0.047µF 50WV	
C362	YECUV1H473ZF	Ceramic, 0.047µF 50WV	
C371	ECEAOJPD101	Electrolytic, 100µF 6.3WV	
C372	FLJ1H103A700	Ceramic, 0.01µF 50WV	
C374	YECUS1C823KX	Ceramic, 0.082µF 16WV	
C394	FLH1H104A783	Ceramic, 0.1µF 50WV	
C399	FLK1H683A033	Ceramic, 0.068µF 50WV	
C401	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C402	YECUV1C105KX	Ceramic, 1µF 16WV	
C403	YECUV1C105KX	Ceramic, 1µF 16WV	
C404	YECUV1C105KX	Ceramic, 1µF 16WV	
C405	YECUV1C105KX	Ceramic, 1µF 16WV	
C406	FLJ1H1020024	Ceramic, 1000PF 50WV	
C407	FLJ1H1020024	Ceramic, 1000PF 50WV	
C411	FLH1H104A783	Ceramic, 0.1µF 50WV	
C412	FLH1H104A783	Ceramic, 0.1µF 50WV	
C451	ECEAL1ESN4R7	Electrolytic, 4.7µF 25WV	
C452	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C453	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C455	ECA1CM101I	Electrolytic, 100µF 16WV	
C505	YECUZ1H561KX	Ceramic, 560PF 50WV	
C506	YECUZ1H561KX	Ceramic, 560PF 50WV	
C601	FLH1H104A783	Ceramic, 0.1µF 50WV	
C602	YECUZ1E104ZF	Ceramic, 0.1µF 25WV	
C603	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C604	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C605	FLH1H180A020	Ceramic, 18PF 50WV	
C606	FLH1H180A020	Ceramic, 18PF 50WV	
C607	ECEAOJKA331I	Electrolytic, 330µF 6.3WV	
C608	FLH1H101A231	Ceramic, 100PF 50WV	
C609	FLH1H101A231	Ceramic, 100PF 50WV	
C610	YECUZ1E104ZF	Ceramic, 0.1µF 25WV	
C611	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C612	FLH1H222A190	Ceramic, 2200PF 50WV	
C613	FLH1H222A190	Ceramic, 2200PF 50WV	
C615	YECUZ1H471KX	Ceramic, 470PF 50WV	
C616	YECUZ1H221JC	Ceramic, 220PF 50WV	
C617	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C700	ECQV1H103B46	Plastic Film, 0.01µF 50WV	
C702	FLJ1E104A074	Ceramic, 0.1µF 25WV	
C703	F2A1C392A455	Electrolytic, 3900µF 16WV	
C704	ECQV1H103B46	Plastic Film, 0.01µF 50WV	
C705	ECA1CM102B	Electrolytic, 1000µF 16WV	
C706	F4D554730015	Electrolytic, 0.047µF 5.5WV	
C707	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C708	ECEAL1CKA100	Electrolytic, 10µF 16WV	
C709	F2A1C392A455	Electrolytic, 3900µF 16WV	
C710	ECA1CM102B	Electrolytic, 1000µF 16WV	
C711	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C712	EEUF1C820	Electrolytic, 82µF 16WV	
C713	FLJ1E104A043	Ceramic, 0.1µF 25WV	
C714	ECA1CDT222	Electrolytic, 2200µF 16WV	
C715	ECEAL1AKS101	Electrolytic, 100µF 10WV	
C716	FLJ1H121A672	Ceramic, 120PF 50WV	
C718	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C719	EEAF1A820H	Electrolytic, 82µF 10WV	
C730	FLJ1E104A043	Ceramic, 0.1µF 25WV	
C731	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C732	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C733	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C734	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C735	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C736	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C737	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C741	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C750	ECEAL1HKA010	Electrolytic, 1µF 50WV	
C751	ECEAL1HKA010	Electrolytic, 1µF 50WV	
C752	YECUZ1E104ZF	Ceramic, 0.1µF 25WV	
C753	FLJ1E104A074	Ceramic, 0.1µF 25WV	
C754	ECEAL1AKS101	Electrolytic, 100µF 10WV	
C755	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C756	ECA1CDT222	Electrolytic, 2200µF 16WV	
C760	ECA1CM330I	Electrolytic, 33µF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C761	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C762	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C763	EEUF1C820	Electrolytic, 82µF 16WV	
C778	YECUS1C334KX	Ceramic, 0.33µF 16WV	
C779	YECUS1C683KX	Ceramic, 0.068µF 16WV	
C780	YECUS1C334KX	Ceramic, 0.33µF 16WV	
C781	ECEALCKA100	Electrolytic, 10µF 16WV	
C782	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C783	ECEALAKA221	Electrolytic, 220µF 10WV	
C784	YECUS1C334KX	Ceramic, 0.33µF 16WV	
C785	YECUS1C224KX	Ceramic, 0.22µF 16WV	
C786	FLJ1E104A074	Ceramic, 0.1µF 25WV	
C791	YECUS1A105KX	Ceramic, 1µF 10WV	
C801	EEUF1J221XB	Electrolytic, 220µF 63WV	
C802	EEVFK1E221P	Electrolytic, 220µF 25WV	
C803	EEUF1V331B	Electrolytic, 330µF 35WV	
C804	EEVHA2A330P	Electrolytic, 33µF 100WV	
C805	EEVFK1E221P	Electrolytic, 220µF 25WV	
C806	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C807	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C808	FL2A104A006	Ceramic, 0.1µF 100WV	
C809	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C810	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C812	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C813	FLJ1H103A700	Ceramic, 0.01µF 50WV	
C814	YECUS1E393KX	Ceramic, 0.039µF 25WV	
C817	EEVFK1C221P	Electrolytic, 220µF 16WV	
C818	FLJ1H1040014	Ceramic, 0.1µF 50WV	
C819	FLJ1H103A700	Ceramic, 0.01µF 50WV	
C820	FLJ1E104A043	Ceramic, 0.1µF 25WV	
C821	FLJ1H1020024	Ceramic, 1000PF 50WV	
C822	YECUZ1H472KX	Ceramic, 4700PF 50WV	
C872	FLJ1E2240009	Ceramic, 0.22µF 25WV	
C873	FLJ1E104A074	Ceramic, 0.1µF 25WV	
C874	FLJ1E4740001	Ceramic, 0.47µF 25WV	
C876	EEVFK1E471P	Electrolytic, 470µF 25WV	
C885	YECUZ1H221JC	Ceramic, 220PF 50WV	
C887	FLJ1H1040014	Ceramic, 0.1µF 50WV	
C889	EEUF1C561B	Electrolytic, 560µF 16WV	
C890	YECUZ1H151JC	Ceramic, 150PF 50WV	
C891	YECUZ1H151JC	Ceramic, 150PF 50WV	

RESISTORS

R1	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R2	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R3	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R4	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R5	ERJ6GEYJ392	Chip, 3.9kΩ 1/10W	
R8	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R9	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R10	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R16	ERJ8GEY0R00	Chip, 0Ω 1/8W	
R17	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R21	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R22	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R23	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R24	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R25	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R28	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R61	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R62	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R63	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R64	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R65	ERJ6GEYJ392	Chip, 3.9kΩ 1/10W	
R68	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R69	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R70	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R81	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R82	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R83	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R84	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R85	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R88	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R101	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R103	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R105	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R121	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R123	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R128	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R129	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R131	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R133	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R142	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R143	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R144	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R145	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R146	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R147	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R148	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R152	ERJ6GEYJ822	Chip, 8.2kΩ 1/10W	
R153	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R154	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R155	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R156	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R157	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R158	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R159	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R160	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R201	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R202	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R203	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R204	ERJ6GEYJ122	Chip, 1.2kΩ 1/10W	
R205	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R206	ERJ6GEYJ122	Chip, 1.2kΩ 1/10W	
R216	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R217	ERJ3GEYJ682V	Chip, 6.8kΩ 1/16W	
R218	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R219	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R220	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R237	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R238	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R239	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R240	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R241	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R251	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R252	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R271	ERJ3GEYJ2R2V	Chip, 2.2Ω 1/16W	
R272	ERJ3GEYJ2R2V	Chip, 2.2Ω 1/16W	
R273	ERJ3GEYJ2R2V	Chip, 2.2Ω 1/16W	
R274	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R275	ERJ3GEYJ2R2V	Chip, 2.2Ω 1/16W	
R276	ERJ3GEYJ2R2V	Chip, 2.2Ω 1/16W	
R277	ERJ3GEYJ2R2V	Chip, 2.2Ω 1/16W	
R278	ERJ3GEYJ2R2V	Chip, 2.2Ω 1/16W	
R294	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R295	ERJ3GEYJ124V	Chip, 120kΩ 1/16W	
R297	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R299	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R301	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R302	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R303	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R304	ERJ6GEYJ122	Chip, 1.2kΩ 1/10W	
R305	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R306	ERJ6GEYJ122	Chip, 1.2kΩ 1/10W	
R310	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R312	ERJ3GEYJ474V	Chip, 470kΩ 1/16W	
R313	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R315	ERJ3GEYJ474V	Chip, 470kΩ 1/16W	
R316	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R317	ERJ3GEYJ682V	Chip, 6.8kΩ 1/16W	
R318	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R319	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R320	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R351	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R352	ERJ6GEYJ273	Chip, 27kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R361	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R365	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R371	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R372	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R392	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R394	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R395	ERJ3GEYJ124V	Chip, 120kΩ 1/16W	
R399	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R401	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R402	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R403	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R404	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R405	ERJ3GEYJ273	Chip, 27kΩ 1/16W	
R406	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R411	ERDS2TJ102	Carbon, 1kΩ 1/4W	
R412	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R413	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R451	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R452	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R453	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R454	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R509	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R511	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R602	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R603	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R604	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R606	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R607	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R608	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R609	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R610	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R611	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R612	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R613	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R614	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R615	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R616	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R617	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R618	ERJ6GEYJ820V	Chip, 82Ω 1/10W	
R619	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R620	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R622	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R624	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R625	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R626	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R629	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R630	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R632	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R635	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R636	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R637	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R639	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R641	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R642	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R643	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R647	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R648	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R649	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R650	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R651	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R652	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R653	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R654	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R656	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R657	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R658	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R659	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R660	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R665	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R666	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R669	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R670	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R671	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R672	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R673	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R674	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R675	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R676	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R677	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R681	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R701	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R702	ERJ3GEYJ271V	Chip, 270Ω 1/16W	
R705	ERJ8GEYJ332V	Chip, 3.3kΩ 1/8W	
R706	ERJ8GEYJ332V	Chip, 3.3kΩ 1/8W	
R707	ERJ8GEYJ332V	Chip, 3.3kΩ 1/8W	
R710	ERJ3GEYJ471V	Chip, 470Ω 1/16W	
R711	ERJ8GEYJ1R0V	Chip, 1Ω 1/8W	
R714	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R715	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R725	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R741	DOHB273ZA002	Metal Oxide, 27kΩ 1/16W	
R742	DOHB274ZA002	Metal Oxide, 270kΩ 1/16W	
R743	DOHB472ZA002	Metal Oxide, 4.7kΩ 1/16W	
R744	DOHB433ZA002	Metal Oxide, 43kΩ 1/16W	
R750	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R751	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R752	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R753	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R755	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R756	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R757	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R759	ERJ3GEYJ181V	Chip, 180Ω 1/16W	
R762	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R763	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R764	ERX1SJR2	Metal Film, 2.2Ω 1W	
R770	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R771	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R772	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R773	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R774	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R776	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R777	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R778	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R779	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R782	ERJ3GEYJ391V	Chip, 390Ω 1/16W	
R783	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R790	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R791	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R803	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R806	ERJ6RBD513V	Metal Film, 51kΩ 1/10W	
R807	ERJ6RBD242V	Metal Film, 2.4kΩ 1/10W	
R808	ERJ6ENF3001V	Chip, 3kΩ 1/10W	
R809	ERJ6ENF1201V	Chip, 1.2kΩ 1/10W	
R815	ERJ8GEYJ392V	Chip, 3.9kΩ 1/8W	
R816	ERJ6GEYJ470	Chip, 47Ω 1/10W	
R817	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R818	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R820	ERJ3GEYJ105V	Chip, 1MΩ 1/16W	
R821	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R822	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R823	ERJ3GEYJ220V	Chip, 22Ω 1/16W	
R824	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R933	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R995	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R996	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R997	ERJ8GEY0R00	Chip, 0Ω 1/8W	
CONNECTORS			
CN402	YEAE08040CJ	Connector, 8P	
CN403	K1MN08A00010	Connector, 8P	
CN404	K1MN08A00010	Connector, 8P	
CN405	K1KA08B00218	Connector, 8P	
CN501	YEAEK623214S	Connector, 14P	
CN601	YEAEKCF06QS	Connector, 6P	
CN602	K1KA10B00162	Connector, 10P	

Ref. No.	Part No.	Part Name & Description	Remarks
CN603	K1KA12B00105	Connector, 12P	
CN701	K1KA14B00053	Connector, 14P	
CN704	K1MR05A00042	Connector, 5P	
COILS			
L51	G1C3R3J00003	Coil	
L102	J0JCC0000010	Coil	
L103	J0JCC0000010	Coil	
L104	J0JCC0000010	Coil	
L601	J0JCC0000010	Coil	
L602	J0JCC0000010	Coil	
L603	J0JCC0000010	Coil	
L604	J0JCC0000010	Coil	
L605	YELTBLM2B601	Coil	
L606	YELTBLM2B601	Coil	
L700	YELTBMHS800T	Coil	
L701	GOA371M00001	Coil	
L702	GOA500J00001	Coil	
L704	YELTBMHS800T	Coil	
L707	YELTBLM21P3S	Coil	
L810	GLA100JA0008	Coil	
L820	YETQ220MR96	Coil	
L830	YETQ220MR96	Coil	
L840	YETQ220MR96	Coil	
L850	YETQ220MR96	Coil	
CRYSTALS			
XL601	H0D450400010	Crystal Oscillator	
XL801	H2C1204A0002	Ceramic Oscillator	
NETWORK RESISTORS			
RA508	EXBV8V102JV	Network Resistor	
RA616	EXBV8V103JV	Network Resistor	
RA618	EXBV8V103JV	Network Resistor	
RA621	EXBV8V332JV	Network Resistor	
RA623	EXBV8V102JV	Network Resistor	
RA626	EXBV8V102JV	Network Resistor	
RA627	EXBV8V102JV	Network Resistor	
RA635	EXBV8V102JV	Network Resistor	
RA640	EXBV8V102JV	Network Resistor	
RA643	EXBV8V101JV	Network Resistor	
RA644	EXBV8V222JV	Network Resistor	
RA647	EXBV8V102JV	Network Resistor	
RA652	EXBV8V103JV	Network Resistor	
RA653	EXBV8V103JV	Network Resistor	
RA654	EXBV8V102JV	Network Resistor	
FILTER			
Z51	J0LM00000001	Noise Filter	
THERMISTORS			
PTH101	YERTX030T	Thermistor	
PTH801	D4DZCR150001	Thermistor	
TRANSFORMER			
T801	G5D2Z0000001	Transformer	
[E9244B] Display/SW1/SW2 Block			
IC's AND TRANSISTORS			
IC901	C2BBGE000641	IC	
IC902	C0HBB0000034	IC	
Q807	YEANC114YKX	Transistor	
Q808	YEANC114YKX	Transistor	
Q817	B1GDCFNN0002	Transistor	
Q818	B1GDCFNN0002	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q901	YEANB1198KT	Transistor	
Q902	YEANC2412KTX	Transistor	
Q903	B1ADNC000001	Transistor	
Q905	YEANC2412KTX	Transistor	
Q906	YEANC2412KTX	Transistor	
Q908	B1CEGG000001	Transistor	
Q910	B1CEGG000001	Transistor	
Q911	B1CEGG000001	Transistor	
Q912	B1CEGG000001	Transistor	
Q913	B1CEGG000001	Transistor	
Q914	B1CEGG000001	Transistor	
Q915	B1CEGG000001	Transistor	
Q916	B1CEGG000001	Transistor	
Q917	B1CEGG000001	Transistor	
Q918	B1CEGG000001	Transistor	
Q919	B1CEGG000001	Transistor	
Q920	B1CEGG000001	Transistor	
Q921	B1CEGG000001	Transistor	
Q922	B1CEGG000001	Transistor	
Q923	B1CEGG000001	Transistor	
Q925	YEANC2412KTX	Transistor	
Q926	YEANB1198KT	Transistor	
DIODES			
D901	B0ACCK000005	Diode	
D902	B0ACCK000005	Diode	
D903	B0ACCK000005	Diode	
D904	B0ACCK000005	Diode	
D905	B0ADCJ000020	Diode	
D906	B0ADCJ000020	Diode	
D907	B0ACCK000005	Diode	
D908	B0ACCK000005	Diode	
D911	B0ACCK000005	Diode	
D912	B0ACCK000005	Diode	
D913	B3AAB0000165	Diode	
D914	B3AAB0000101	Diode	
D915	B3AAB0000101	Diode	
D916	B3AAB0000165	Diode	
D917	B3AAB0000101	Diode	
D918	B3AAB0000101	Diode	
D919	B3AAB0000101	Diode	
D920	B3AAB0000101	Diode	
D921	B3AAB0000101	Diode	
D922	B3AAB0000101	Diode	
D923	B3AAB0000101	Diode	
D924	B3AAB0000101	Diode	
D925	B3AAB0000101	Diode	
D926	B3AAB0000101	Diode	
D927	B3AAB0000101	Diode	
D928	B3AAB0000101	Diode	
D929	B3AAB0000101	Diode	
D930	B3AAB0000101	Diode	
D931	B3AAB0000101	Diode	
D932	B3AAB0000101	Diode	
D933	B3AAB0000101	Diode	
D934	B3AAB0000101	Diode	
D935	B3AAB0000101	Diode	
D936	B3AAB0000101	Diode	
D937	B3AAB0000101	Diode	
D938	B3AAB0000101	Diode	
D939	B3AAB0000101	Diode	
D940	B3AAB0000101	Diode	
D941	B3AAB0000101	Diode	
D942	B3AAB0000101	Diode	
D943	B3AAB0000101	Diode	
D944	B3AAB0000101	Diode	
D945	B3AAB0000165	Diode	
D946	B3AAB0000101	Diode	
D947	B3AAB0000101	Diode	
D948	B3AAB0000101	Diode	
D949	B3AAB0000101	Diode	
D950	B3AAB0000101	Diode	

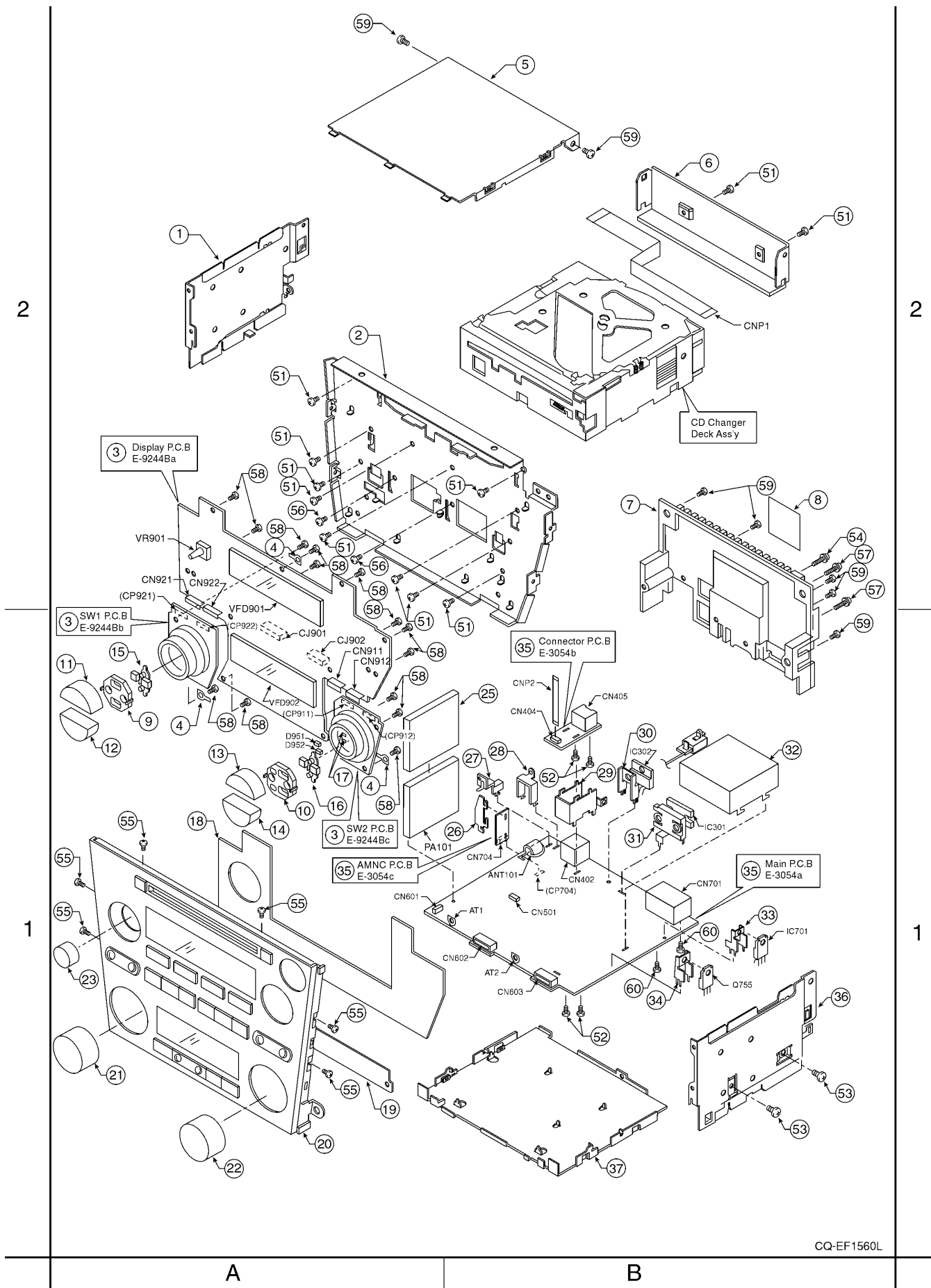
Ref. No.	Part No.	Part Name & Description	Remarks
D951	B3ACA0000240	Diode	
D952	B3ACA0000240	Diode	
D953	B0ACCK000005	Diode	
D954	B0ACCK000005	Diode	
D955	B0ACCK000005	Diode	
D956	B0ACCK000005	Diode	
D957	B3AAB0000101	Diode	
D958	B3AAB0000101	Diode	
CAPACITORS			
C901	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C902	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C903	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C904	YECUS1H180JC	Ceramic, 18PF 50WV	
C905	FLJ1H390A025	Ceramic, 39PF 50WV	
C906	FLJ1H103A513	Ceramic, 0.01μF 50WV	
C907	FLJ1H103A513	Ceramic, 0.01μF 50WV	
C908	FLJ1H1040014	Ceramic, 0.1μF 50WV	
C909	FLJ1H1040014	Ceramic, 0.1μF 50WV	
C910	FLJ1H103A513	Ceramic, 0.01μF 50WV	
C911	FLJ1H103A513	Ceramic, 0.01μF 50WV	
C912	FLJ1H103A513	Ceramic, 0.01μF 50WV	
C913	FLJ1H103A513	Ceramic, 0.01μF 50WV	
C914	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C915	FLL2A104A006	Ceramic, 0.1μF 100WV	
C916	FLJ1H103A513	Ceramic, 0.01μF 50WV	
C921	YECUB1H104KX	Ceramic, 0.1μF 50WV	
C922	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C925	FLJ1H101A672	Ceramic, 100PF 50WV	
C926	FLJ1H101A672	Ceramic, 100PF 50WV	
C927	FLJ1H101A672	Ceramic, 100PF 50WV	
C928	FLJ1H101A672	Ceramic, 100PF 50WV	
C929	FLJ1H103A513	Ceramic, 0.01μF 50WV	
C930	FLJ1H103A513	Ceramic, 0.01μF 50WV	
C931	FLJ1H101A672	Ceramic, 100PF 50WV	
C932	FLJ1H101A672	Ceramic, 100PF 50WV	
C933	FLJ1H101A672	Ceramic, 100PF 50WV	
C934	FLJ1H101A672	Ceramic, 100PF 50WV	
RESISTORS			
R100	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R701	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R702	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R703	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R704	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R705	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R706	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R807	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R808	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R811	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R812	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R813	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R814	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R816	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R901	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R902	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R903	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R904	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R905	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R906	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R907	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R908	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R909	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R910	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R911	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R912	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R913	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R914	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R915	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R916	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R917	ERJ6GEYJ102	Chip, 1kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R918	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R919	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R920	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R921	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R922	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R923	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R924	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R925	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R926	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R927	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R928	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R929	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R930	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R931	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R932	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R933	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R934	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R935	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R936	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R937	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R938	ERJ8GEYJ470V	Chip, 47Ω 1/8W	
R940	ERJ8GEYJ470V	Chip, 47Ω 1/8W	
R941	ERJ6GEYR00V	Chip, 0Ω 1/10W	
R942	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R943	ERJ6GEYR00V	Chip, 0Ω 1/10W	
R944	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R945	ERJ6GEYR00V	Chip, 0Ω 1/10W	
R949	ERJ6GEYR00V	Chip, 0Ω 1/10W	
R951	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R952	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R953	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R954	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R955	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R956	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R957	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R958	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R959	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R960	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R961	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R962	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R965	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R966	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R969	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R970	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R971	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R972	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R973	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R974	ERJ6GEYJ681	Chip, 680Ω 1/10W	
R975	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R976	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R977	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R978	ERJ6GEYJ821	Chip, 820Ω 1/10W	
R979	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R980	ERJ6GEYJ821	Chip, 820Ω 1/10W	
R981	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R982	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R983	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R984	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R985	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R986	ERJ6GEYJ821	Chip, 820Ω 1/10W	
R987	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R988	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R989	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R990	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R991	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R992	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R993	ERJ6GEYJ681	Chip, 680Ω 1/10W	
R994	ERJ6GEYJ162V	Chip, 1.6kΩ 1/10W	
R995	ERJ6GEYJ122	Chip, 1.2kΩ 1/10W	
R997	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R998	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R999	ERJ6GEYJ103	Chip, 10kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
CONNECTORS			
CJ901	K1KB10A00112	Connector, 10P	
CJ902	K1MQ12A00005	Connector, 12P	
CN911	YEAJ071600	Connector, 6P	
CN912	YEAJ071600	Connector, 6P	
CN921	YEAJ071600	Connector, 6P	
CN922	YEAJ071600	Connector, 6P	
COILS			
L901	YELTBLM21A10	Coil	
L902	YELTBLM21A10	Coil	
L903	YELTBLM21A10	Coil	
L904	YELTBLM21A10	Coil	
L911	YELTBLM21A10	Coil	
L912	YELTBLM21A10	Coil	
SWITCHes			
VR902	K9AA015Z0001	Switch	
VR903	K9AA015Z0001	Switch	
CRYSTAL			
XL901	YEXL49U838TA	Crystal Oscillator	
VARIABLE RESISTOR			
VR901	KON130C00024	Variablr resistor	
Mechanical Parts			
MISCELLANEOUS			
CNP1	K9ZZ00001125	Flat Cable,14P	
CNP2	K9ZZ00001126	Flat Cable,8P	
AT1	YEFX0213797	Bracket,GND	
AT2	YEFX0213797	Bracket,GND	
ANT101	YEAAL0200A	2P Antenna Cable	
VFD901	A2BC00000050	Display Tube	
VFD902	A2BD00000059	Display Tube	
1	YEFA09780	Side Plate(L)	
2	YEFA07634	Front Plate	
3	YEP0PT9244E0	Display, SW1, SW2 PCB w/Component	RTL
4	YEFX0213919	Bracket,GND	
5	YEFA031823	Upper Cover	
6	YEFX0215894A	Bracket,CD Deck	
7	YEFF011117A	Heat Sink	
8	YEFV012068A	Insulator	
9	YEFX9995276A	Plate L	
10	YEFX9995277A	Plate R	
11	YEFEL37539	AUTO Button	
12	YEFEL37540	OFF Button	
13	YEFEL37718	FRONT DEF Button	
14	YEFEL37719	RIA DEF Button	
15	YEFR07159	Rubber Contact,SW1	
16	YEFR07160	Rubber Contact,SW2	
17	YEFK06811	Holder	
18	YEFR07157	Rubber Contact,Escutcheon	
19	YEFR07158	Rubber Contact,Escutcheon	
20	YEFK028697	Escutcheon Ass'y	
21	YEFK02454	Knob,AUTO/OFF	
22	YEFK02454	Knob,FRONT DEF/RIA DEF	
23	YEFK02453	Knob,PUSH PWR VOL	
25	YEFV03508	Magnetic Shield,PA101	
26	YEFX0213049A	Bracket,AMNC PCB	
27	YEFX0216096	Bracket,ANT101	
28	YEFX0213488	Bracket,ANT101	
29	YEFX0216101A	Bracket,CN402	
30	YEFX0215895	Bracket,IC302	
31	YEFX0215142	Bracket,IC301	

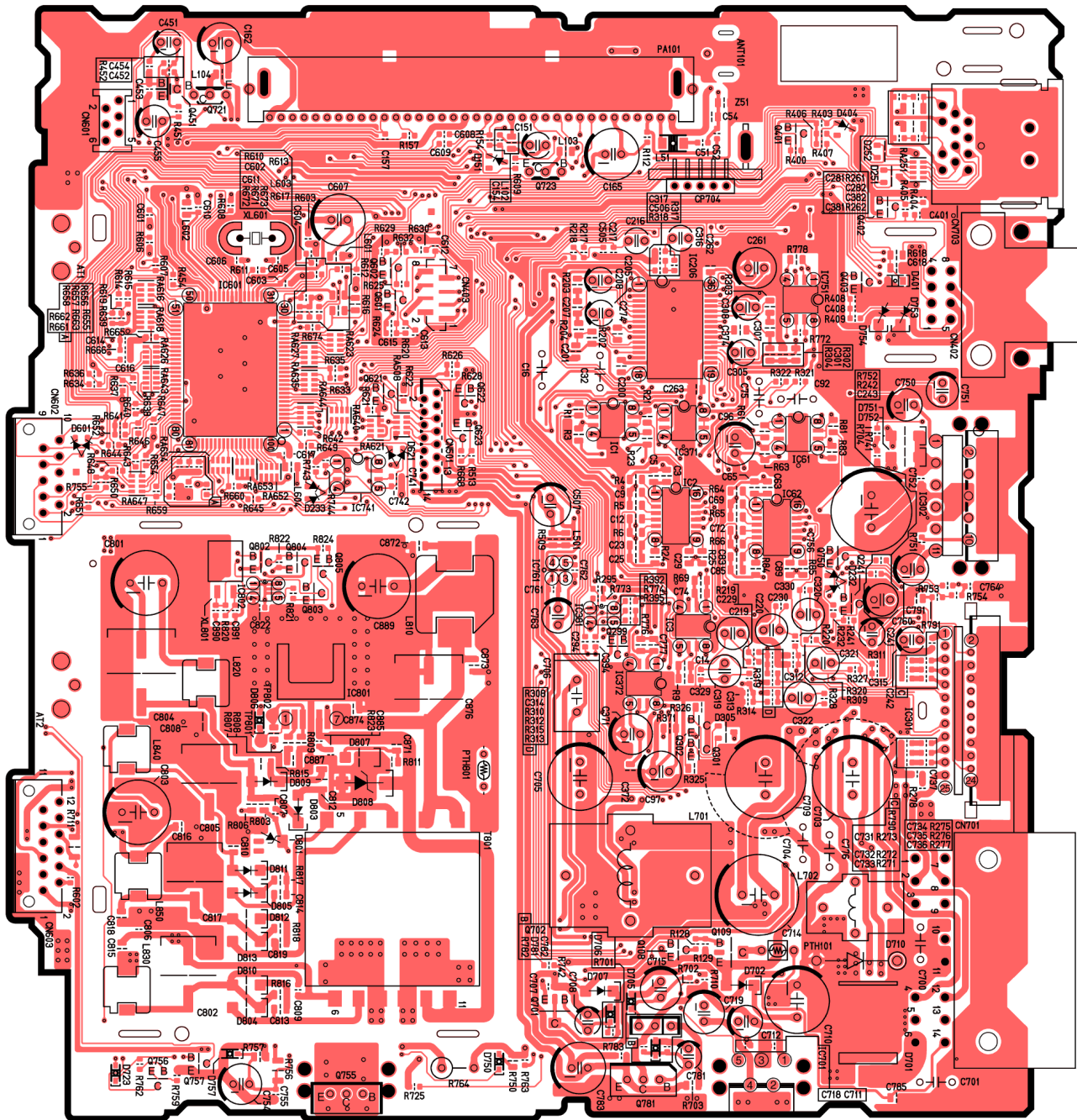
Ref. No.	Part No.	Part Name & Description	Remarks
32	YEFV03796	Magnetic Shield	
33	YEFX0214202	Bracket,IC701	
34	YEFX0213909	Bracket,Q755	
35	YEP0PT3054A0	Main,Connector,AMNC PCB w/Component	RTL
36	YEFA09781	Side Plate(R)	
37	YEFA05867	Bottom Cover	
51	YEJS06303A	Screw	
52	YEJT01103	Screw	
53	YEJT03009A	Screw, M3x8mm	
54	YEJT03013A	Tapping Screw	
55	YEJT03015A	Screw	
56	YEJT03131A	Tapping Screw, M2.6x5mm	
57	YEJT03289A	Tapping Screw,	
58	XTB2+6GFJ	Screw, M2x6	
59	XTB3+8FFJ	Screw, M3x8	
60	XTV26+5GFN	Tapping Screw M2.6x5	

9 EXPLODED VIEW (Unit)

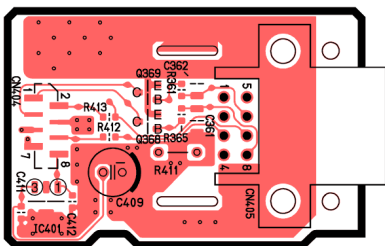


10 WIRING DIAGRAM

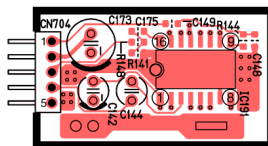
10.1. Main/Connector/AMNC Block (Top View)



[E-3054a][Top View]

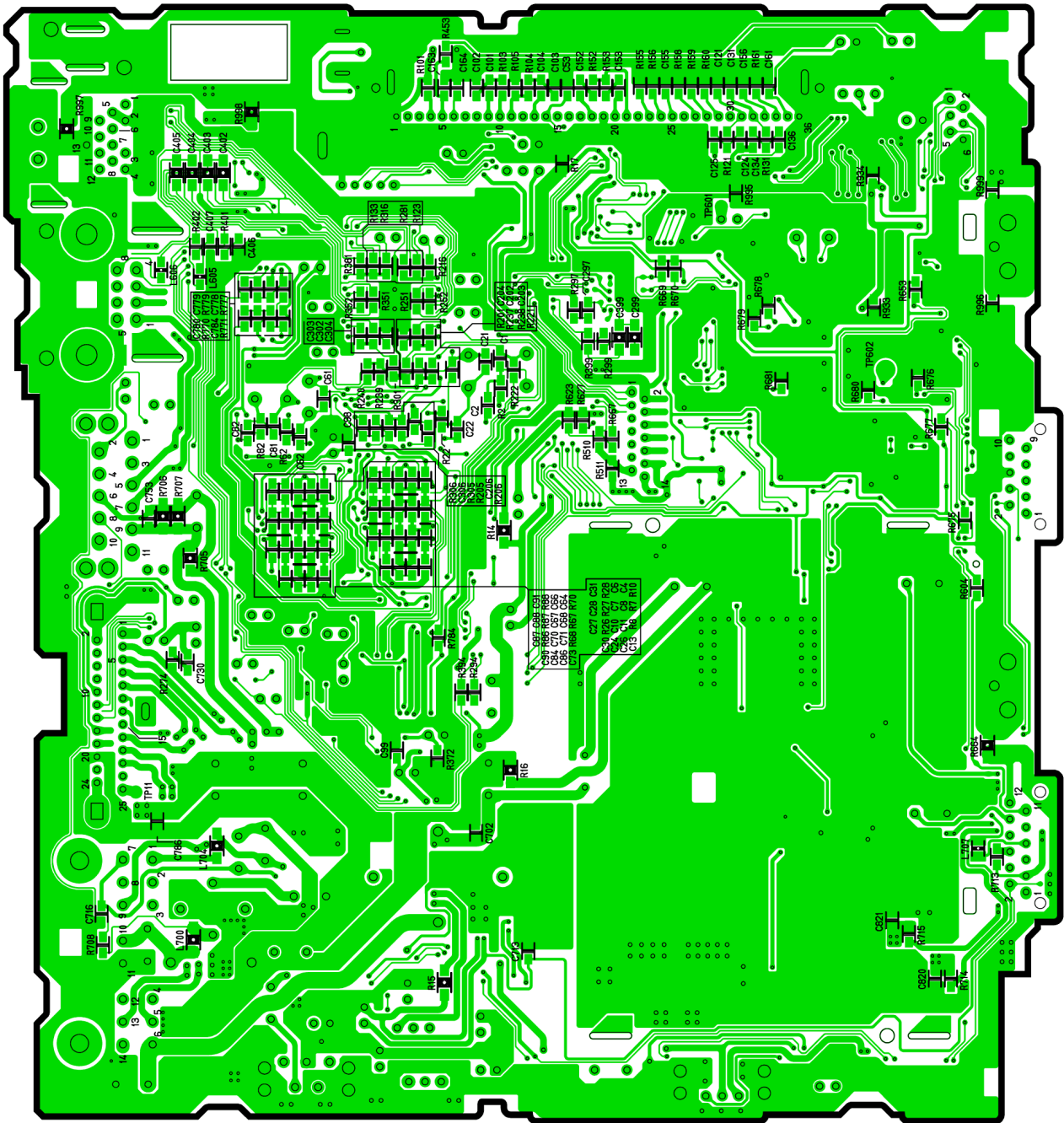


[E-3054b][Top View]

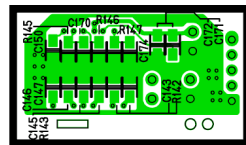


[E-3054c][Top View]

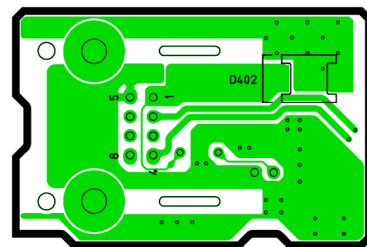
10.2. Main/Connector/AMNC Block (Bottom View)



[E-3045a][Bottom View]

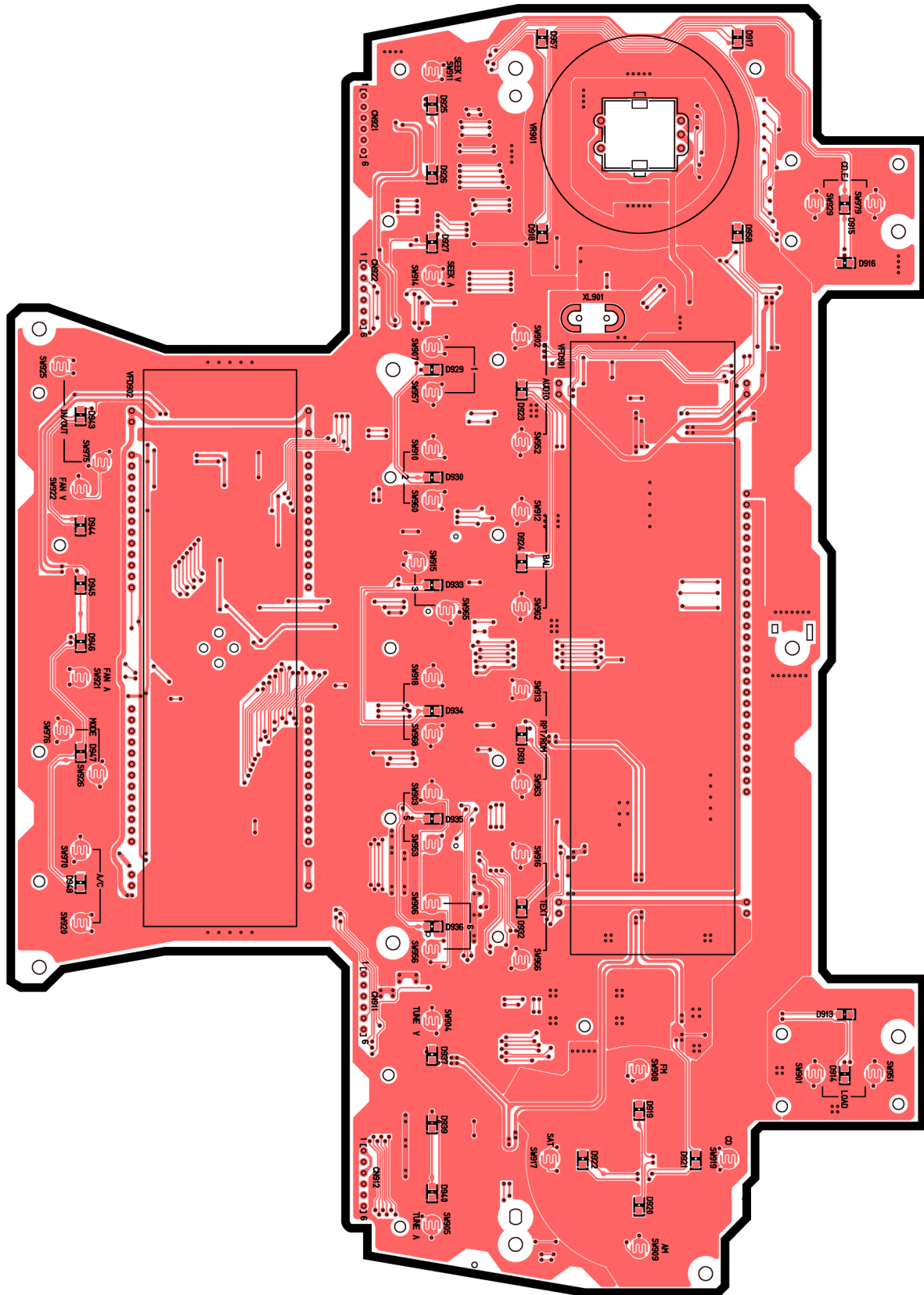


[E-3045c][Bottom View]



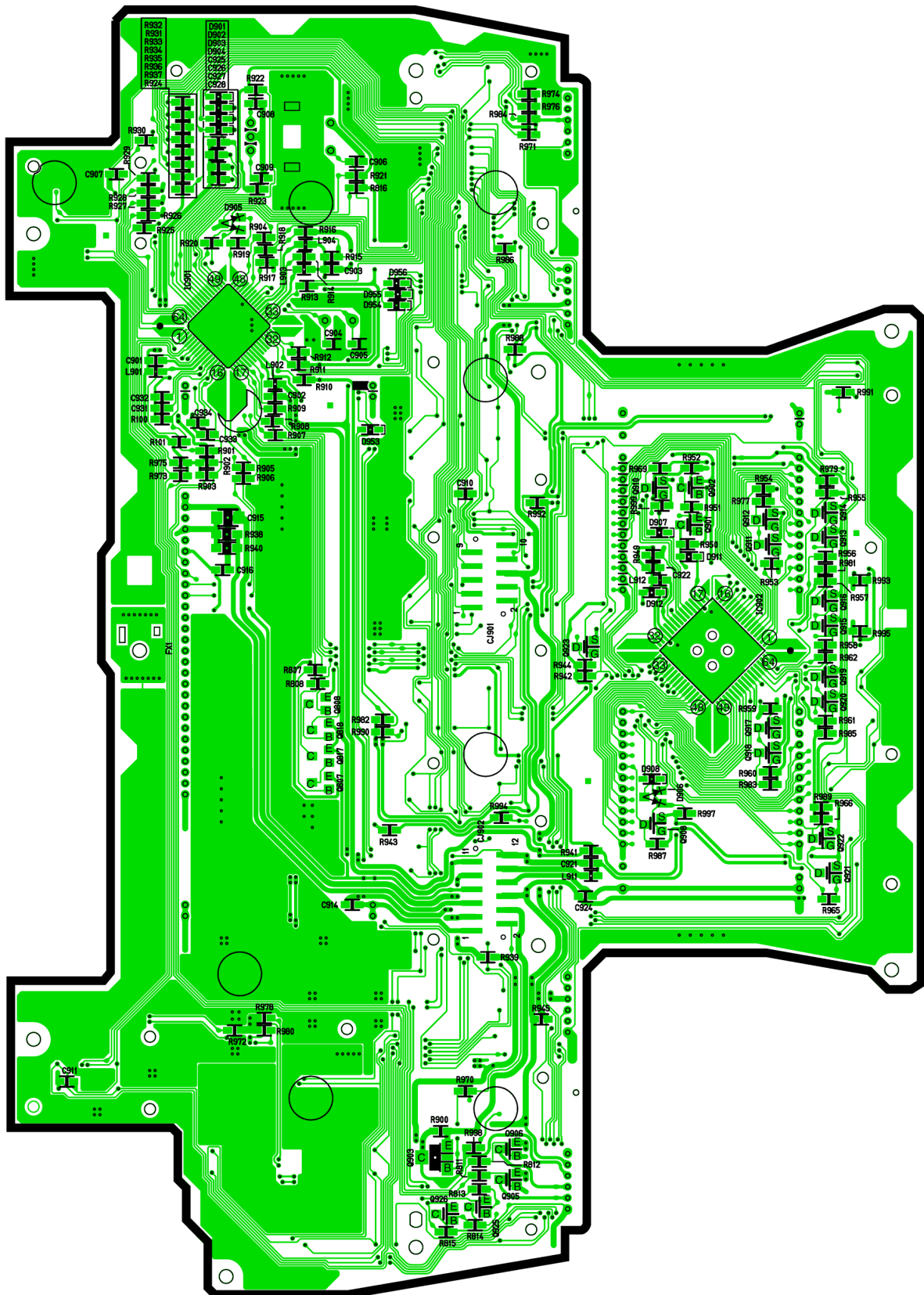
[E-3045b][Bottom View]

10.3. Display Block (Top View)



[E-9244Ba][Top View]

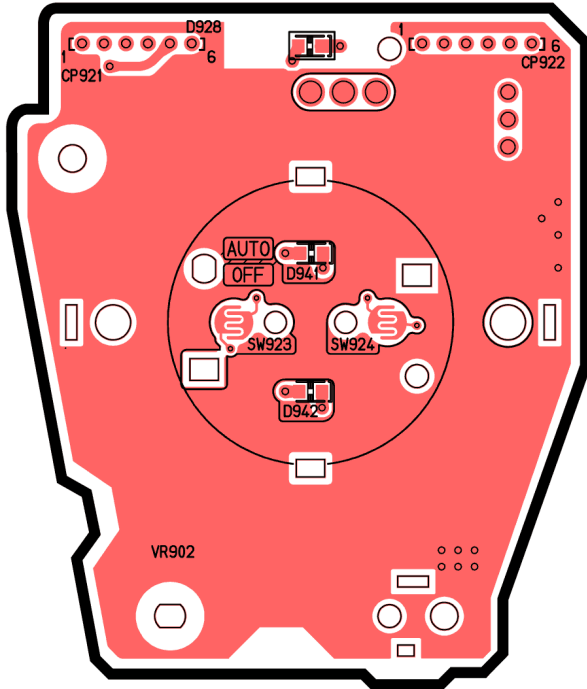
10.4. Display Block (Bottom View)



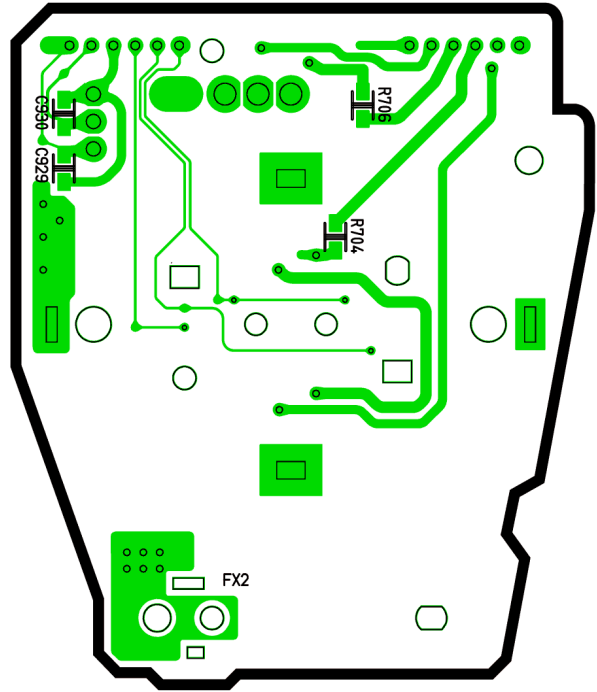
[E-9244Ba][Bottom View]

CQ-EF1560L DISPLAY P.C.B

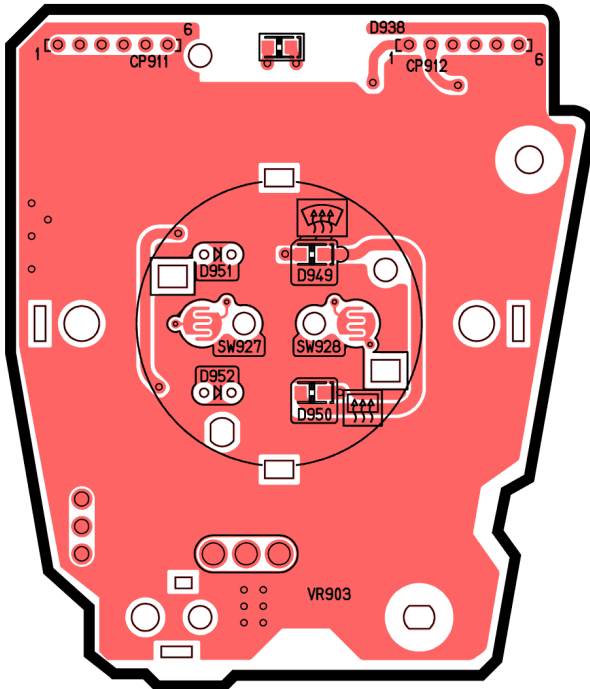
10.5. SW1/SW2 Block



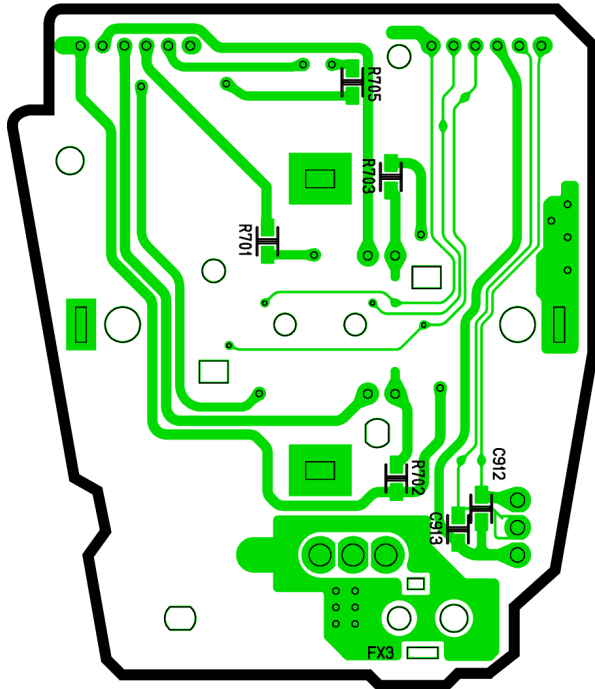
[E-9244Bb] [Top View]



[E-9244Bb] [Bottom View]



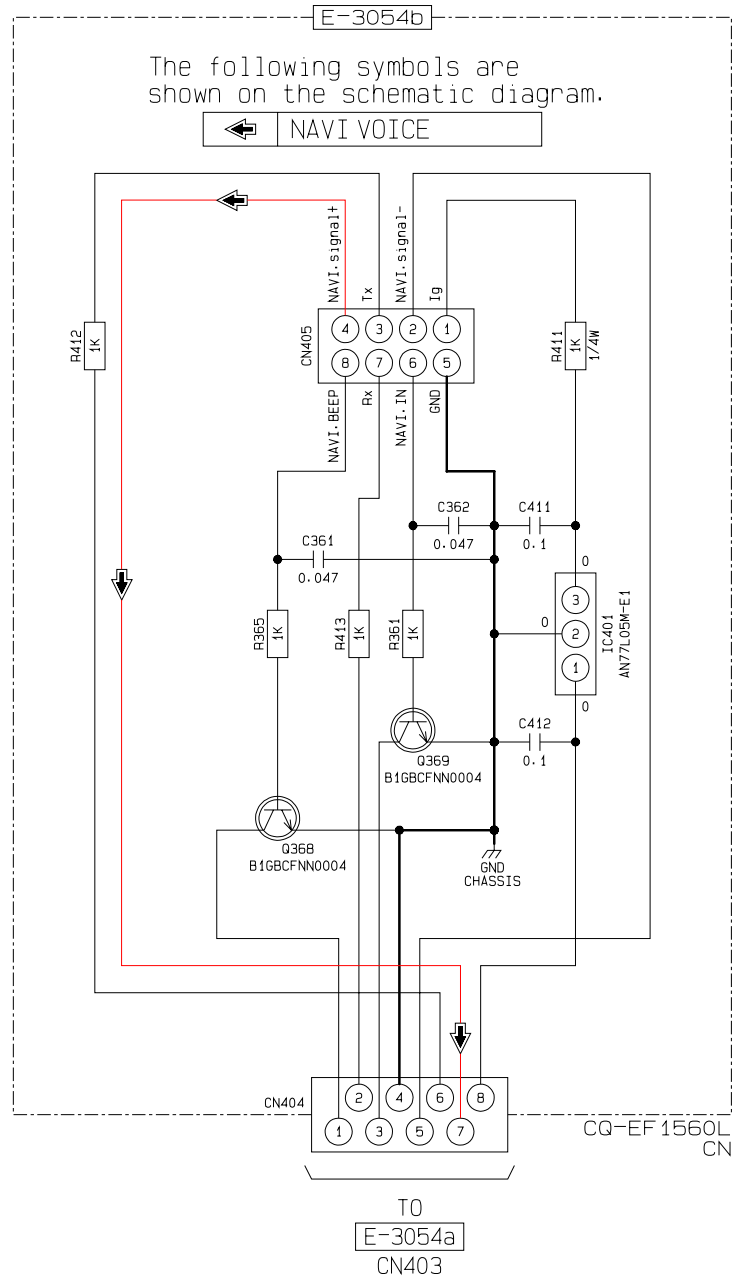
[E-9244Bc] [Top View]



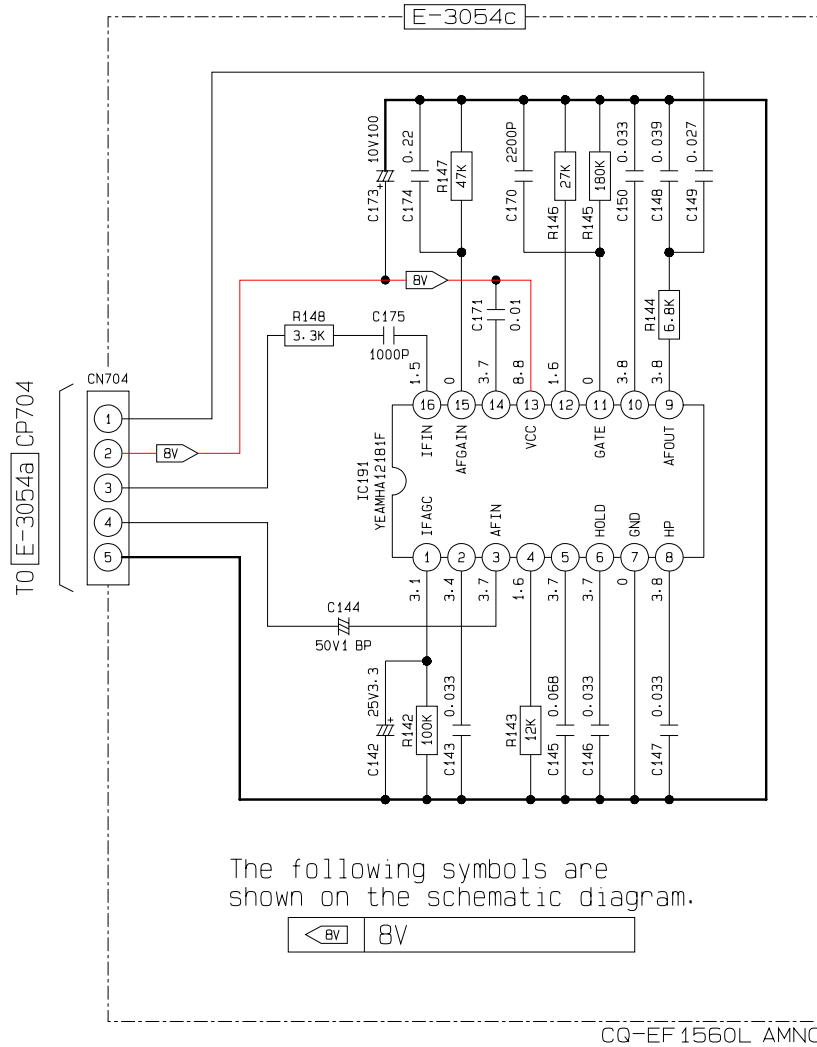
[E-9244Bc] [Bottom View]

11 SCHEMATIC DIAGRAM-1

11.1. Connector Block

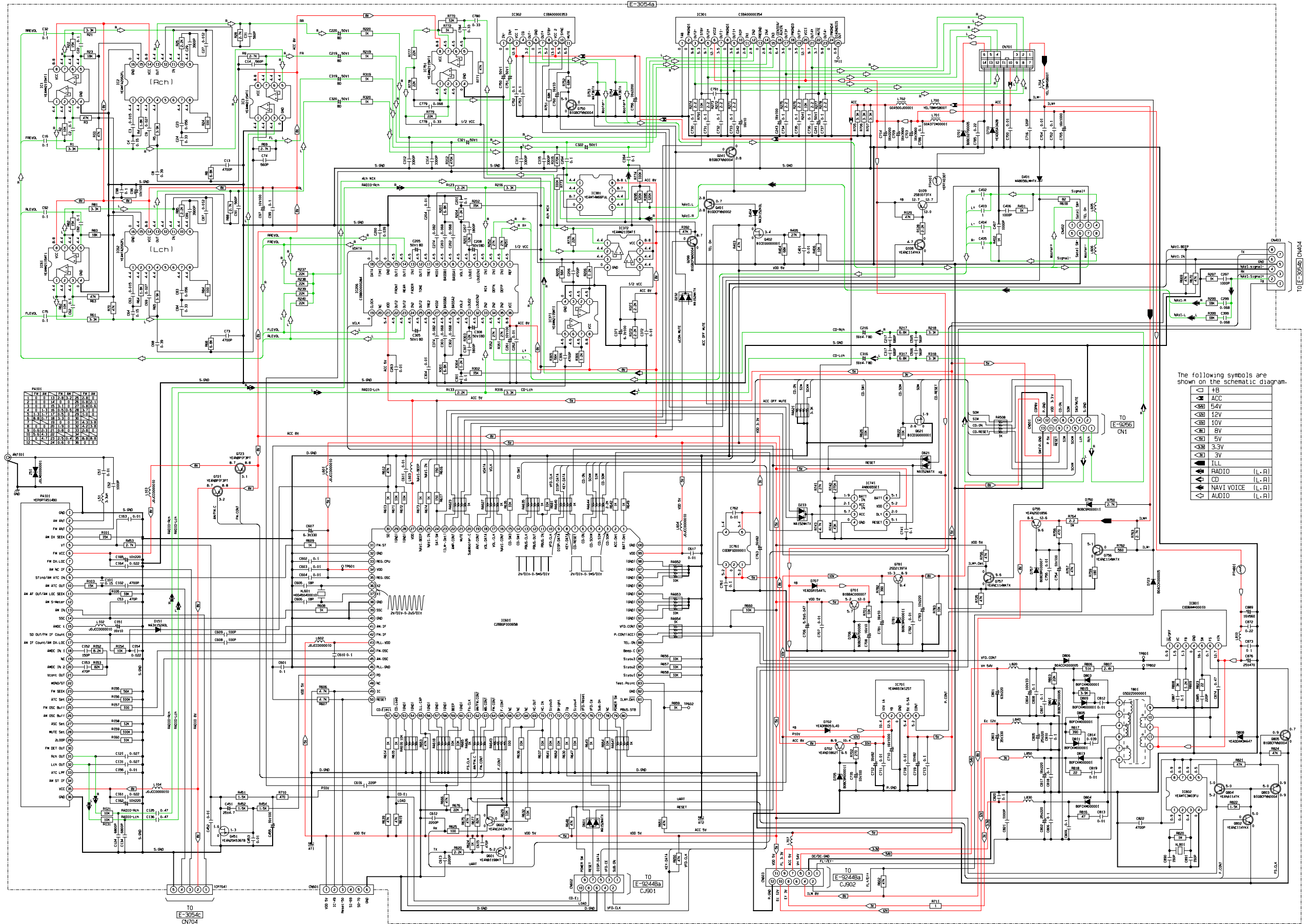


11.2. AMNC Block

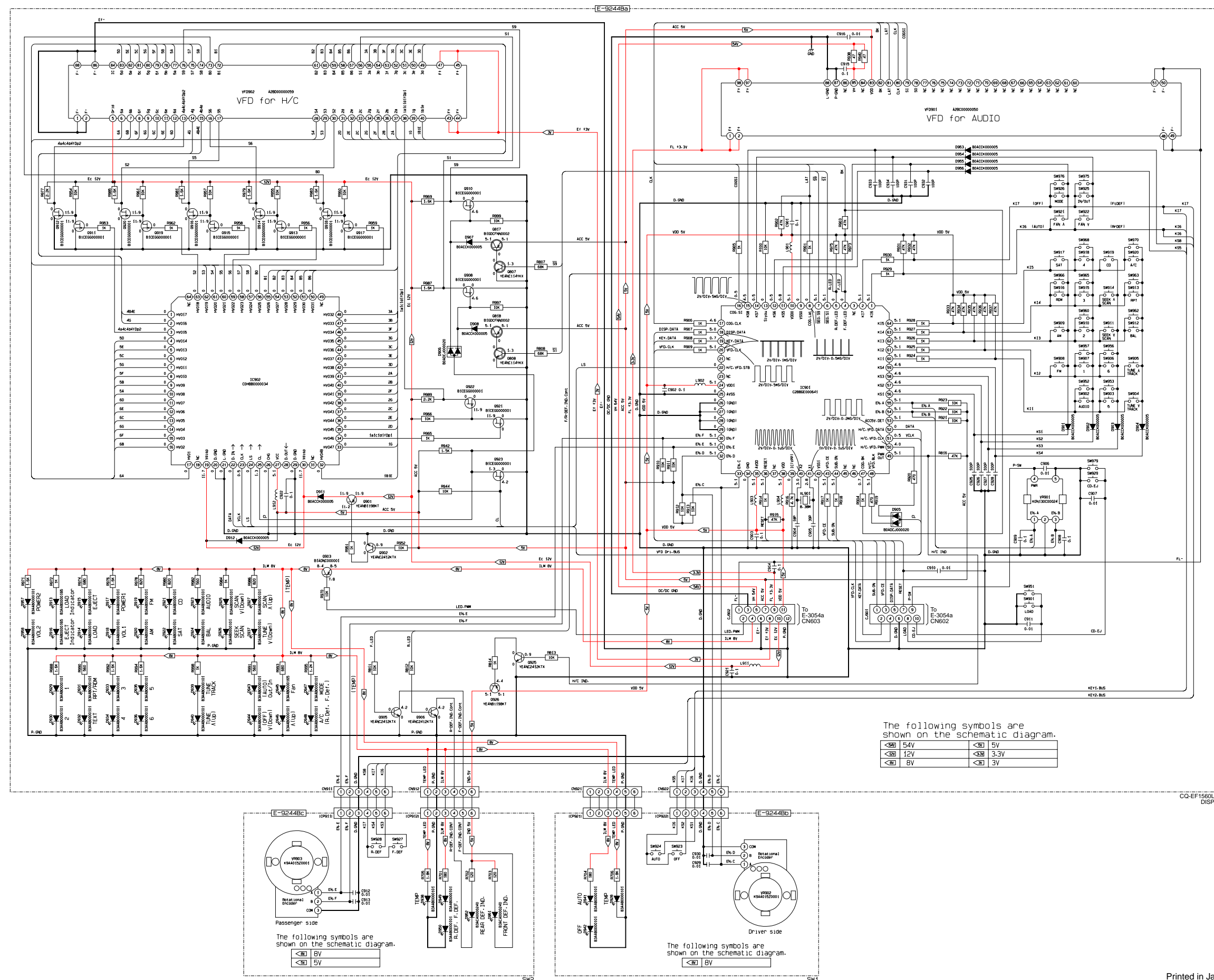


12 SCHEMATIC DIAGRAM-2

12.1. Main Block



12.2. Display/SW1/SW2 Block



YGFD13301

'05. 4. 5

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1 LASER PRODUCTS	2	7 EXPLODED VIEW (CD Deck-1)	10
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1 LASER PRODUCTS

Do not take apart this unit or attempt to make any changes yourself.

This unit is very intricate that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

Laser products :

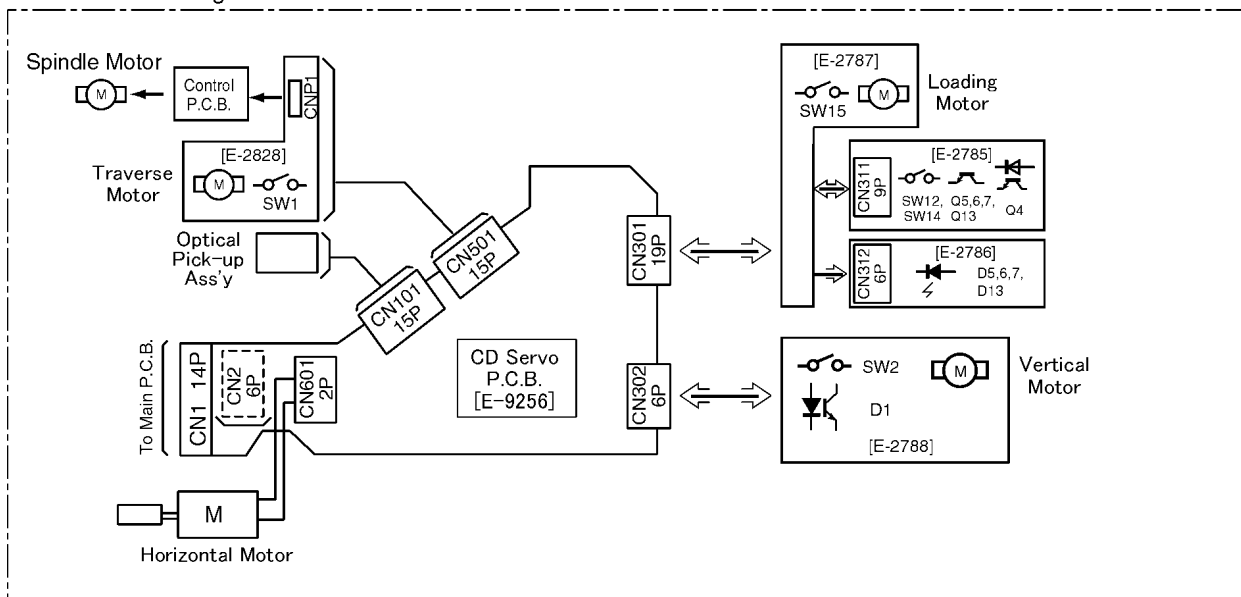
Wave length 780nm
 Laser power No hazardous radiation is emitted with safety protection.

Caution

This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

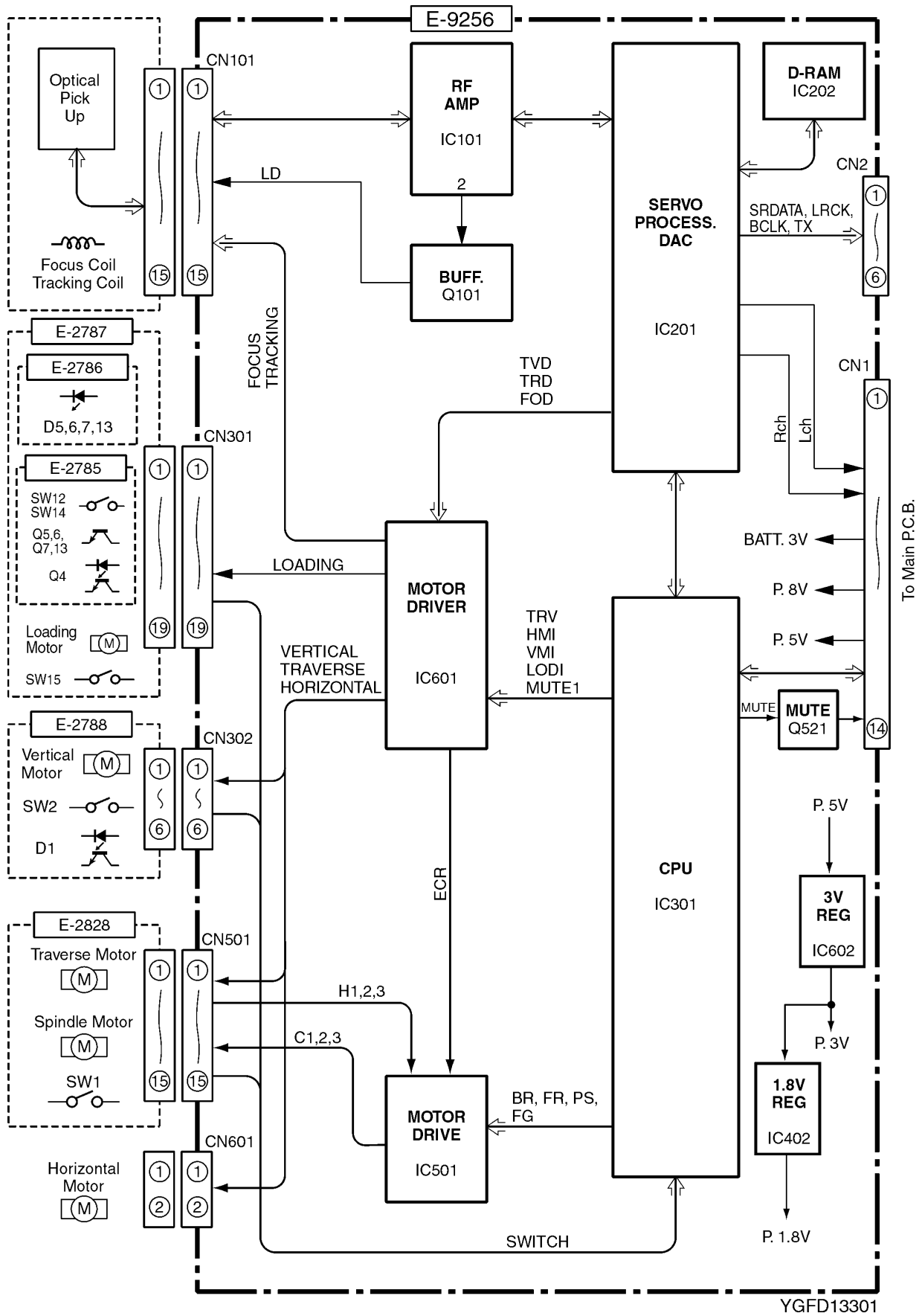
2 WIRING CONNECTIONS

CD In-Dash Changer Block



3 BLOCK DIAGRAM

3.1. CD Servo Block



4 TERMINALS DESCRIPTION

4.1. CD Servo Block

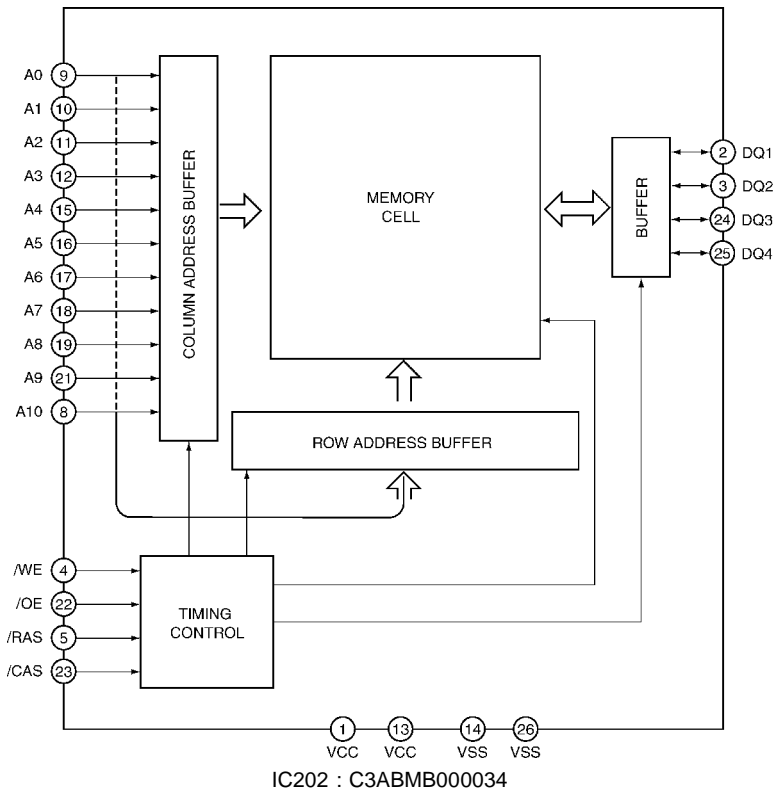
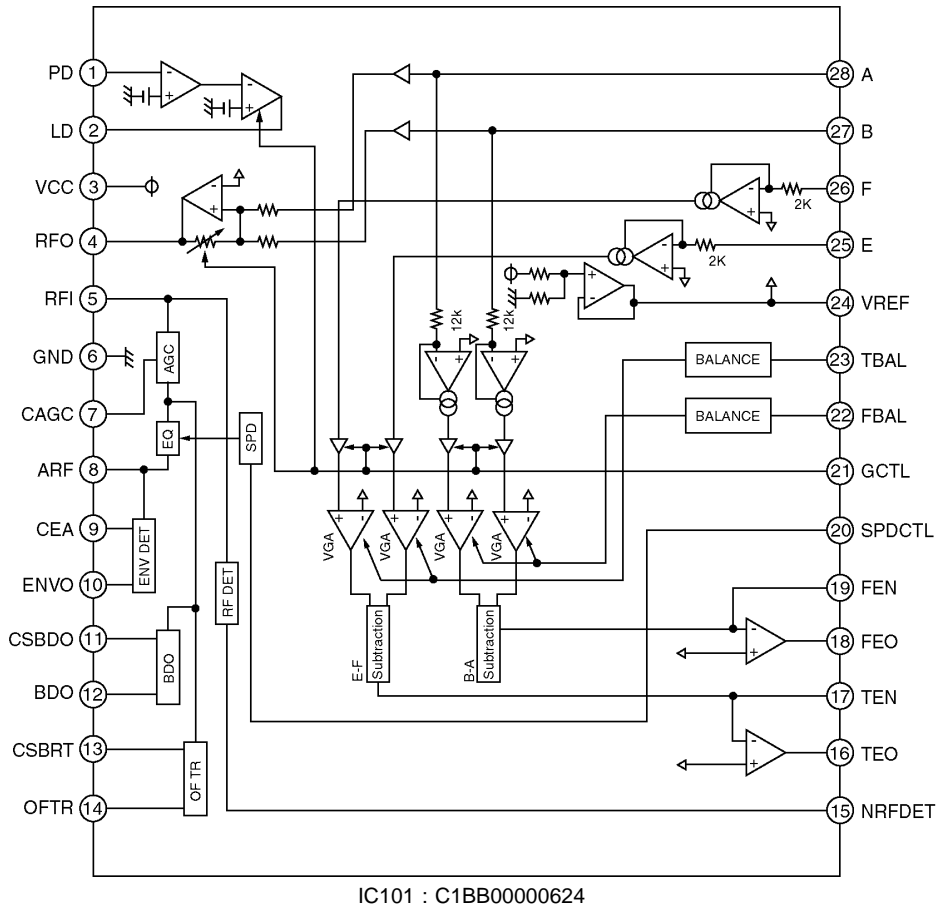
IC301 : MNBC67GALUC

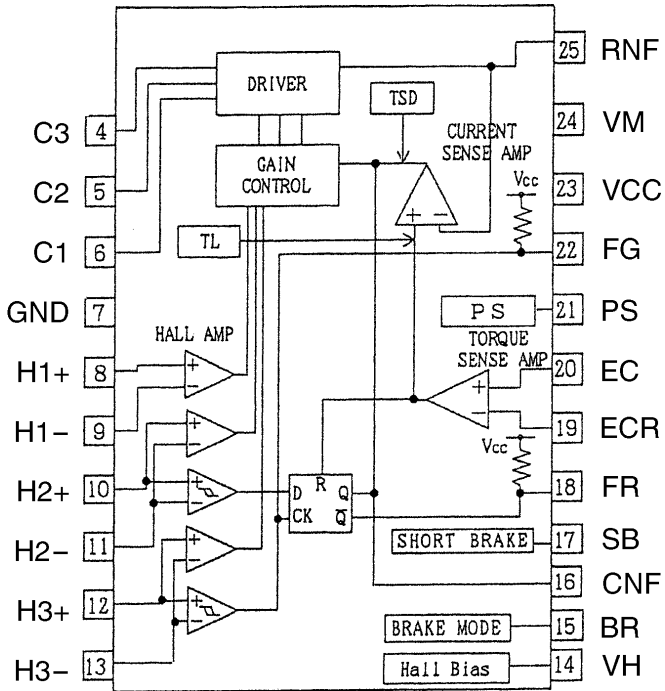
Pin No.	Port	Descriptions	I/O	(V)
1	VREF-	Reference supply for AD converter (GND)	-	0
2	SW3	Tray H SW	-	3.1
3	SW4	Disc push SW	I	3.3
4	SW5	Disc SW	I	2.9
5	SW6	Disc load SW	I	0
6	SW7	Eject SW	I	3.3
7	SW13	Eject2 SW	I	2.3
8	OUTC(NC)	-	-	-
9	VPP	Connected P.GND	-	-
10	VREF+	Reference supply for AD converter (+3.3V)	-	3.3
11	VDD	Power supply (+3.3V)	-	3.3
12	OSC2	Microcomputer system clock output (7.37MHz)	O	1.7
13	OSC1	Microcomputer system clock input (7.37MHz)	I	1.6
14	VSS	Ground	-	0
15	XI	Connected GND	-	0
16	XO (NC)	-	-	-
17	MMOD	Connected GND	-	0
18	(NC)	-	-	-
19	(NC)	-	-	-
20	(NC)	-	-	-
21	M DATA	Microcomputer command data signal	O	3.2
22	STAT	Servo LSI status signal	I	0.4
23	MCLK	Microcomputer command clock signal	O	3.1
24	MLD	Microcomputer command load signal	O	3.3
25	M RESET	Microcomputer reset input	I	3.3
26	RMOLT(NC)	-	-	-
27	(NC)	-	-	-
28	TCI02(NC)	-	-	-
29	MONI	ON/OFF control output of spindle motor	O	0
30	(NC)	-	-	-
31	BLKCK	BLKCK signal	I	0
32	DÇpSY	CD-TEXT/SUBQ synchronizing signal	I	0
33	FG	Connected GND	-	0
34	CD ON	Operation mode signal	I	2.9
35	FLAG	FLAG output signal	O	0
36	(NC)	-	-	-
37	TX TD	-	-	0
38	TX TCK	-	-	3.3
39	BDO	Drop signal output	O	0
40	N TEST	N TEST signal output	O	3.3
41	P35(SCKM)	Serial data shift clock	-	4
42	P36(SIM)	Sereal data input	-	0.5
43	P37(NC)	-	-	-
44	SOM	Sereal data output	O	2.4
45	SIM	Sereal data input	I	0.5
46	SCKM	Serial data shift clock	I	4
47	TEST1(NC)	-	-	-
48	TEST2(NC)	-	-	-
49	TEST3(NC)	-	-	-
50	TEST4(NC)	-	-	-
51	N RST	Reset input	I	3.3
52	NEW(NC)	-	-	-
53	MUTE	Muting input	I	3.1

Pin No.	Port	Descriptions	I/O	(V)
54	EXT1	Vibration detection input	I	1.6
55	LOD(NC)	-	-	-
56	SW15	Feeder SW	-	-
57	SW8	Play SW	-	-
58	SW9	Clump SW	-	-
59	SW10	Shuter SW	-	-
60	SW11	Horig SW	-	-
61	SW1	Inner track detection	I	3.3
62	SW2	Tray G SW	-	-
63	SW12	Outer 2 SW	-	-
64	SW14	Outer SW	-	-
65	CS(NC)	-	-	-
66	BR	Break mode selection	-	-
67	RS	Motor power save	-	-
68	P73(NC)	-	-	-
69	P74	Connected GND	-	-
70	P75 (NC)	-	-	-
71	GCTL	RF amplifier gain control	O	1.6
72	SPDCTL	RF amplifier gain control	O	3.3
73	MUTE1	Actuator drive control output	O	3.3
74	TRV	Traverse motor control output	O	1.7
75	VMI-	Horizontal motor control	-	-
76	VMI+	Horizontal motor control	-	-
77	LODI-	Loading motor control	-	-
78	LODI+	Loading motor control	-	-
79	HMI-	Vertical motor control	-	-
80	HMI+	Vertical motor control	-	-

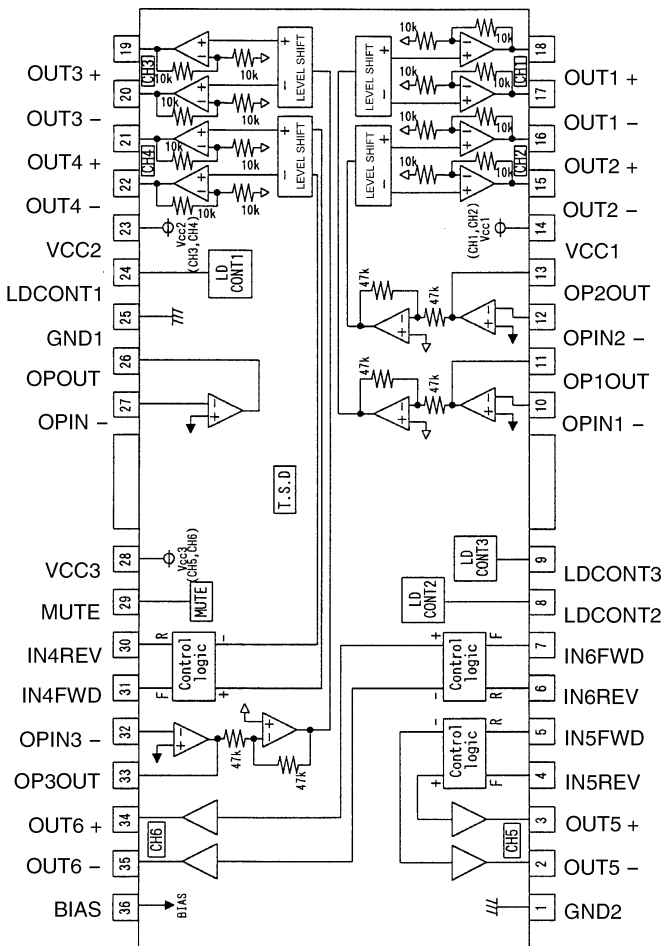
5 IC BLOCK DIAGRAM

5.1. CD Servo Block





IC501 : COGBH000006



IC601 : COGBY0000014

6 CD CHANGER PARTS LIST

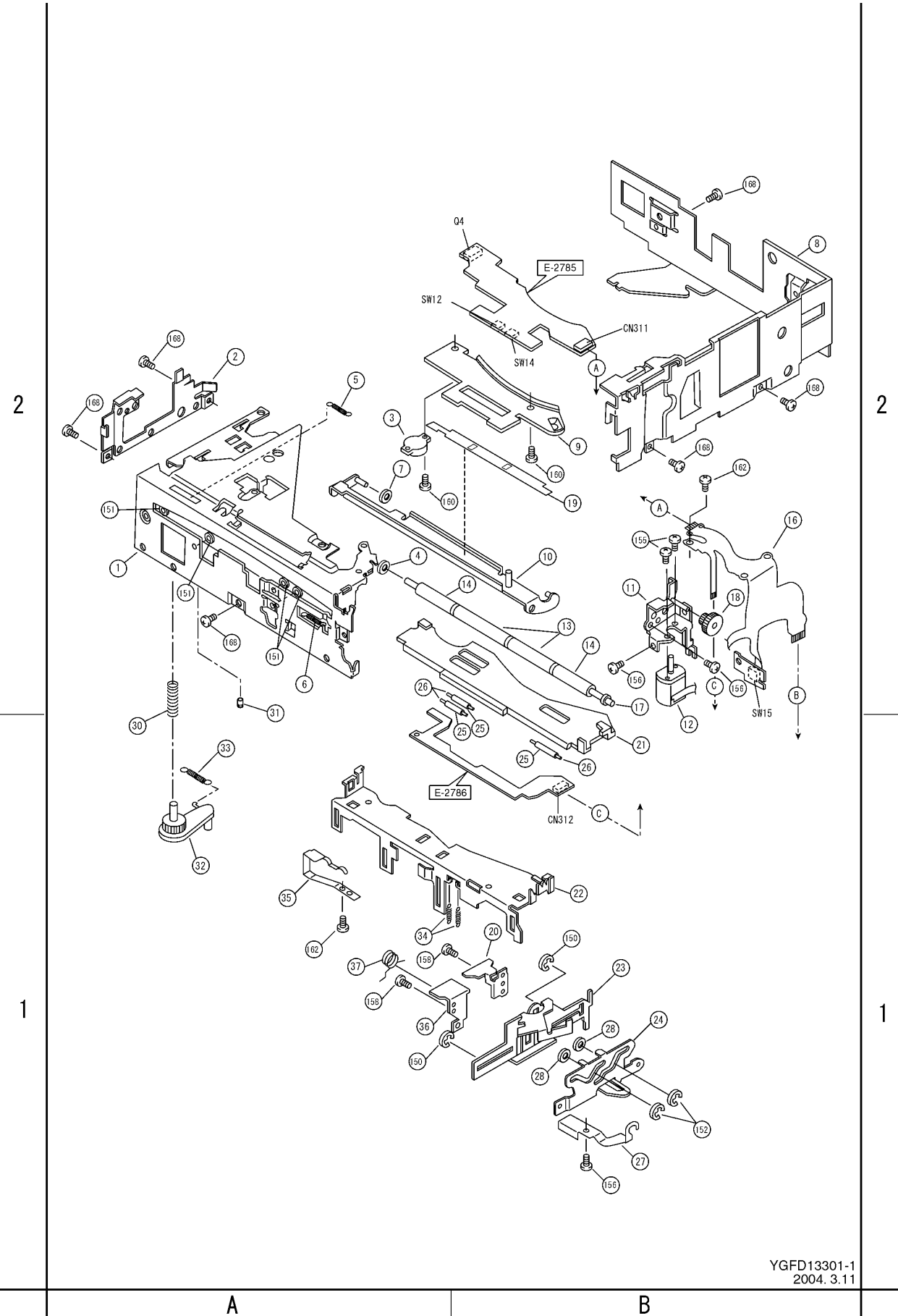
Ref. No.	Part No.	Part Name & Description	Remarks
[E9256] CD Servo Block			
IC's AND TRANSISTORS			
IC101	C1BB00000624	IC	
IC201	MNG7911AC1UC	IC	
IC202	C3ABMB000034	IC	
IC301	MNBC67GALUC	IC	
IC402	C0DBZFC00050	IC	
IC501	C0GBH0000006	IC	
IC601	C0GBY0000014	IC	
IC602	YEAMMC3326D3	IC	
Q101	2SB766ATX	Transistor	
Q521	B1GBCFCJ0005	Transistor	
DIODE			
D301	MA152WKTX	Diode	
CAPACITORS			
C1	EEVFC0J102P	Electrolytic, 1000µF 6.3WV	
C101	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C102	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C103	F3H0J1070005	Tantalum, 100µF 6.3WV	
C104	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C105	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C106	F1H1H8210002	Ceramic, 820PF 50WV	
C107	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C108	F1H1H682A190	Ceramic, 6800PF 50WV	
C109	F1H1H222A190	Ceramic, 2200PF 50WV	
C110	F1K0J1060015	Ceramic, 10µF 6.3WV	
C111	F1H1H1010005	Ceramic, 100PF 50WV	
C112	F1H1E103A011	Ceramic, 0.01µF 25WV	
C113	F1H1E103A011	Ceramic, 0.01µF 25WV	
C114	F1H1H2710006	Ceramic, 270PF 50WV	
C115	F1H1H6810005	Ceramic, 680PF 50WV	
C116	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C117	F1K0J1060015	Ceramic, 10µF 6.3WV	
C201	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C204	F1H1E123A011	Ceramic, 0.012µF 25WV	
C206	F1K0J1060015	Ceramic, 10µF 6.3WV	
C208	EEVFC0J102P	Electrolytic, 1000µF 6.3WV	
C209	F1K0J1060015	Ceramic, 10µF 6.3WV	
C210	F1H0J1050010	Ceramic, 1µF 6.3WV	
C211	F1H0J1050010	Ceramic, 1µF 6.3WV	
C213	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C214	YECUZ1E223KX	Ceramic, 0.022µF 25WV	
C215	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C216	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C217	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C218	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C219	F1H1H100A226	Ceramic, 10PF 50WV	
C301	F1K0J1060015	Ceramic, 10µF 6.3WV	
C315	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C316	F1H1E103A011	Ceramic, 0.01µF 25WV	
C316	F1H1H103A783	Ceramic, 0.01µF 50WV	
C401	F1H0J1050010	Ceramic, 1µF 6.3WV	
C402	F1K0J1060015	Ceramic, 10µF 6.3WV	
C411	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C412	F3G1A336A001	Tantalum, 33µF 10WV	
C413	F1H1H104A783	Ceramic, 0.1µF 50WV	
C413	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C501	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C502	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C503	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C504	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C521	F1H1H820A231	Ceramic, 82PF 50WV	
C522	F1H1H820A231	Ceramic, 82PF 50WV	
C523	F1H1H820A231	Ceramic, 82PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C531	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C532	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C541	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C601	F1H1H8210002	Ceramic, 820PF 50WV	
C602	F1H1H8210002	Ceramic, 820PF 50WV	
C603	F1H0J1050010	Ceramic, 1µF 6.3WV	
C604	YECUZ1C333KX	Ceramic, 0.033µF 16WV	
C605	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C606	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C607	ECEV1CA470SP	Electrolytic, 47µF 16WV	
C608	F1K0J1060015	Ceramic, 10µF 6.3WV	
C609	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
RESISTORS			
R1	ERJ3GEYJ334V	Chip, 330kΩ 1/16W	
R101	ERJ6GEYJ1R0V	Chip, 1Ω 1/10W	
R102	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R103	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R104	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R105	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R106	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R107	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R108	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R109	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R110	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R111	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R123	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R201	ERJ3GEYJ823V	Chip, 82kΩ 1/16W	
R206	ERJ3GEYJ330V	Chip, 33Ω 1/16W	
R207	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R208	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R209	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R212	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R214	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R216	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R217	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R218	ERJ3GEYJ105V	Chip, 1MΩ 1/16W	
R219	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R220	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R301	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R303	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R304	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R305	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R306	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R307	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R308	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R309	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R310	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R311	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R312	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R313	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R314	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R315	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R316	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R317	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R318	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R319	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R320	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R321	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R322	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R323	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R326	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R330	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R501	ERJ3GEYJ121V	Chip, 120Ω 1/16W	
R502	ERJ8GEYJ1R0V	Chip, 1Ω 1/8W	
R503	ERJ3GEYJ121V	Chip, 120Ω 1/16W	
R504	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R505	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R521	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R523	ERJ3GEYJ121V	Chip, 120Ω 1/16W	
R524	ERJ3GEYJ121V	Chip, 120Ω 1/16W	
R525	ERJ3GEYJ121V	Chip, 120Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
30	YGFX0052648	Push Lever Thrust Spring	
31	YEFX218308	Roller	
32	YGFX0462153	Push Lever	
33	YESFZN4090	Push Spring	
34	YGFX0052590	Feeder Spring	
35	YGFX0052601A	Spring	
36	YGFX206160	Guide FU	
37	YGFX0052712	Guide Spring F	
39	YGFX0052594	Clamp Drive Spring	
40	YGFA011977E	Swing Base Ass'y	
41	YGFX0461903B	Guide Lever Ass'y B	
42	YEFX018595	Guide B	
43	YGFX0462172	Horizontal Rack	
44	YGFX234199	Horizontal Cam	
45	YGFX0031183	Horizontal Cam Gear	
46	YGFX0031130	Horizontal Cam Gear	
47	YEFX003931	Horizontal Gear 5	
48	YGFX0031138	Horizontal Gear 4	
49	YEFX014047	Snap Ring	
50	YGFX0031125	Horizontal Gear 3	
51	YESFX003085	Gear	
52	YEFX003896	Horizontal Gear 1	
53	YEFX003884	Stocker Cam 3	
54	YEFX003883B	Stocker Cam 2	
55	YGFX0052595	Stocker Thrust Spring	
56	YEFX003875	Elevator Gear 4	
57	YGFA011973A	Suspension Chassis Ass'y	
58	YGP0FX4646	Spindle Motor Ass'y	
59	YGFS04745	Damper 2	
60	YGFX206156	Disc Guide S	
61	YGFX9992661	Nut Piece	
62	YGFX218312	O-Ring	
63	YGFX0052582A	Damper Spring R	
64	YEFX003872	Elevator Gear 1	
65	YGFX0052593	Sus. Lock Spring	
66	YGFX0462183	Lever	
67	YEFX003873	Elevator Gear 2	
68	YEFX003874	Elevator Gear 3	
69	YGFX003882B	Stocker Cam 1	
70	YGFX0462173	Stocker Rack	
71	YEP0FX4382	Optical Pick-up Ass'y	
72	YGJT03301	Feed Screw Ass'y	
73	YGFX0052586	Thrust Adjustment Spring	
74	YEFW04161A	Feed Screw Housing	
75	YEFX0052557	Travers Guide	
76	YGP0FX4763	Traverse Motor Ass'y	
77	YGFX018682	Gear Bracket	
78	YGFX0031119	TR Gear 2	
79	YGFX0031120	TR Gear 3	
80	YGFA011974	Suspension Chassis Bottom Ass'y	
81	YGFS04746	Damper 1	
82	YGFX0052596	Stocker Spring	
83	YGFX0052587	Unclamp Spring	
84	YGFX0052583A	Damper Spring	
85	YGFX0052581A	Damper Spring F	
86	YGP0FX4761	Elevator Motor Ass'y	
87	YGAP2788	Elevator Motor FPC	
88	YGFX018600A	Elevator Motor Bracket	
89	YGFX0462174B	Suspension Lock Plate	
91	YGFX0462166	SW Cover	
92	YGAP2828	Suspension FPC	
93	YGFX233521A	Disc Holder L	
94	YEFX0031007	Disc Hold Gear	
95	YGFA011976E	Main Chassis Ass'y	
96	YGFX0031128	Clamp Cam Gear	
100	YGFX0462184	Guide Cam B Plate Ass'y	
101	YGFX219135	Guide B Base Ass'y	
102	YGFX206155A	Guide BL	
103	YGFX206136E	Guide BU	
104	YGFX0052662	Guide Spring B	
105	YGFX0462185	Avoidance Lever 1 Ass'y	
106	YGFX0031137	Pushout Cam Gear	

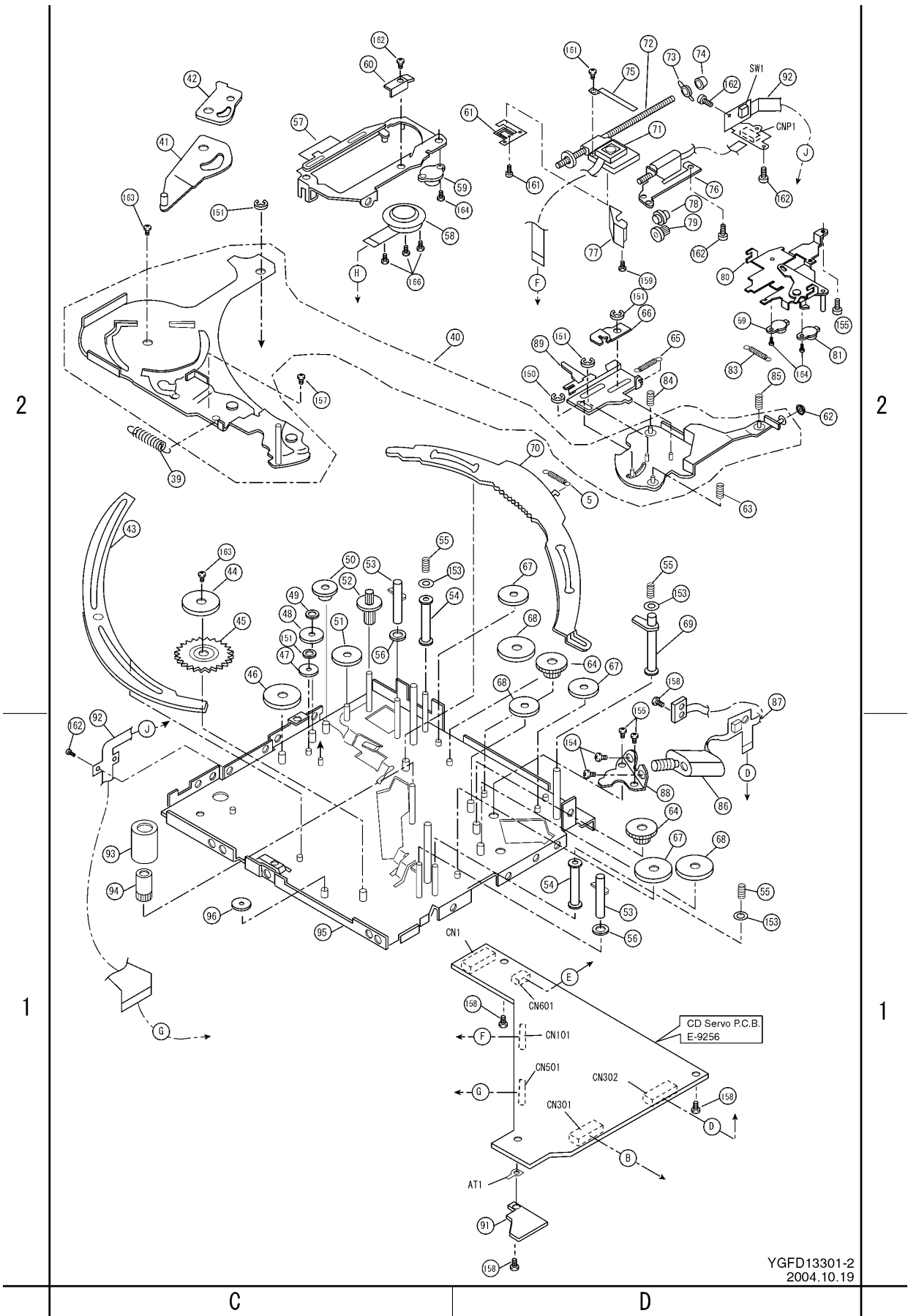
Ref. No.	Part No.	Part Name & Description	Remarks
110	YGFA011978A	Stocker Top Cover Ass'y	
111	YGFX233526C	Stocker Tray Support	
112	YGFX0462220	Pushout Lever	
113	YGFX018691	Horizontal Motor Bracket Ass'y	
114	YGP0FX4760	Horizontal Motor Ass'y	
115	YESFX003087	Pushout Gear 2	
116	YESFX003086	Pushout Gear 1	
117	YEFX233506	Disc Holder U	
118	YGFX0052608	Push Lever Spring	
119	YGFX0052584	Avoidance Lever Spring	
120	YEFX0052291B	Pushout Plate Spring	
121	YGFX0462221	Pushout Lever Reinforcing Plate	
131	YGFX233527A	Stocker Tray Housing L	
132	YGFX9992609	Stocker Tray	
150	XUC15V	Retaining Ring	
151	XUC2V	E-Ring	
152	YEJE01044	Retaining Ring	
153	YGF05389	Stocker Cam Ring	
154	XQN2+A2FX	Screw, M2x2mm	
155	XQN2+C2FX	Screw, M2x2mm	
156	XSB2+3FJ	Bind Screw, M2x3mm	
157	XSB2+4FX	Bind Screw, M2x4mm	
158	XYN2+C4FX	Screw w/Washer, M2x4mm	
159	XYN2+C5FX	Screw w/Washer, M2x5mm	
160	XYN2+C6FX	Screw w/Washer, M2x6mm	
161	YEJS02037B	Tapping Screw	
162	YEJS06246	Thin Head Screw w/Washer	
163	YGJS05051	Thin Head Screw w/Washer	
164	YGJS05063	Screw w/Washer	
165	YEJS06097A	Screw	
166	YEJS06246	Super Thin Head Screw	
168	YGJT03129A	Tapping Screw	
169	YEJS06244	Screw, M1.7x3mm	

7 EXPLODED VIEW (CD Deck-1)



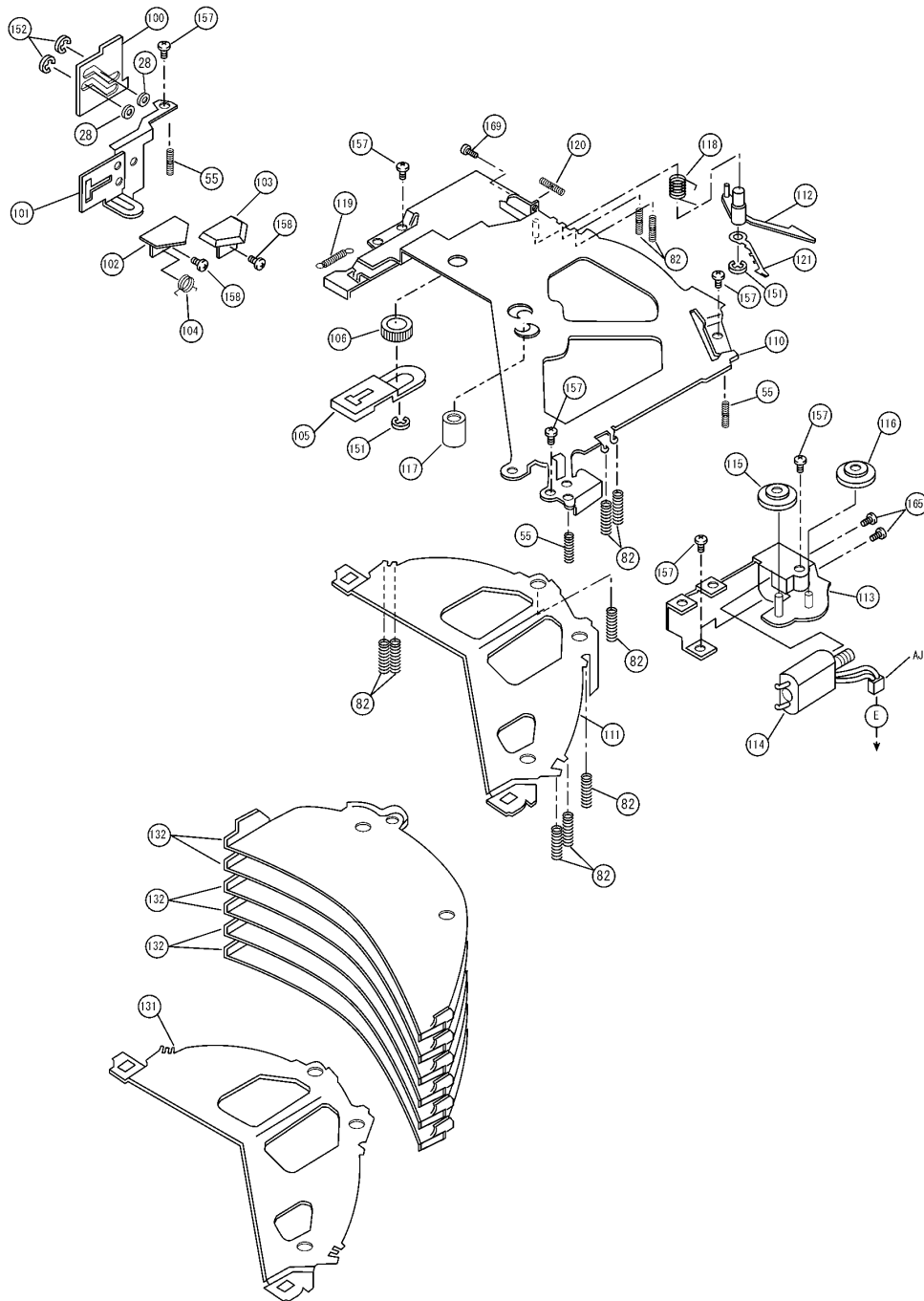
YGFD13301-1
2004. 3.11

8 EXPLODED VIEW (CD Deck-2)



YGFD13301-2
2004.10.19

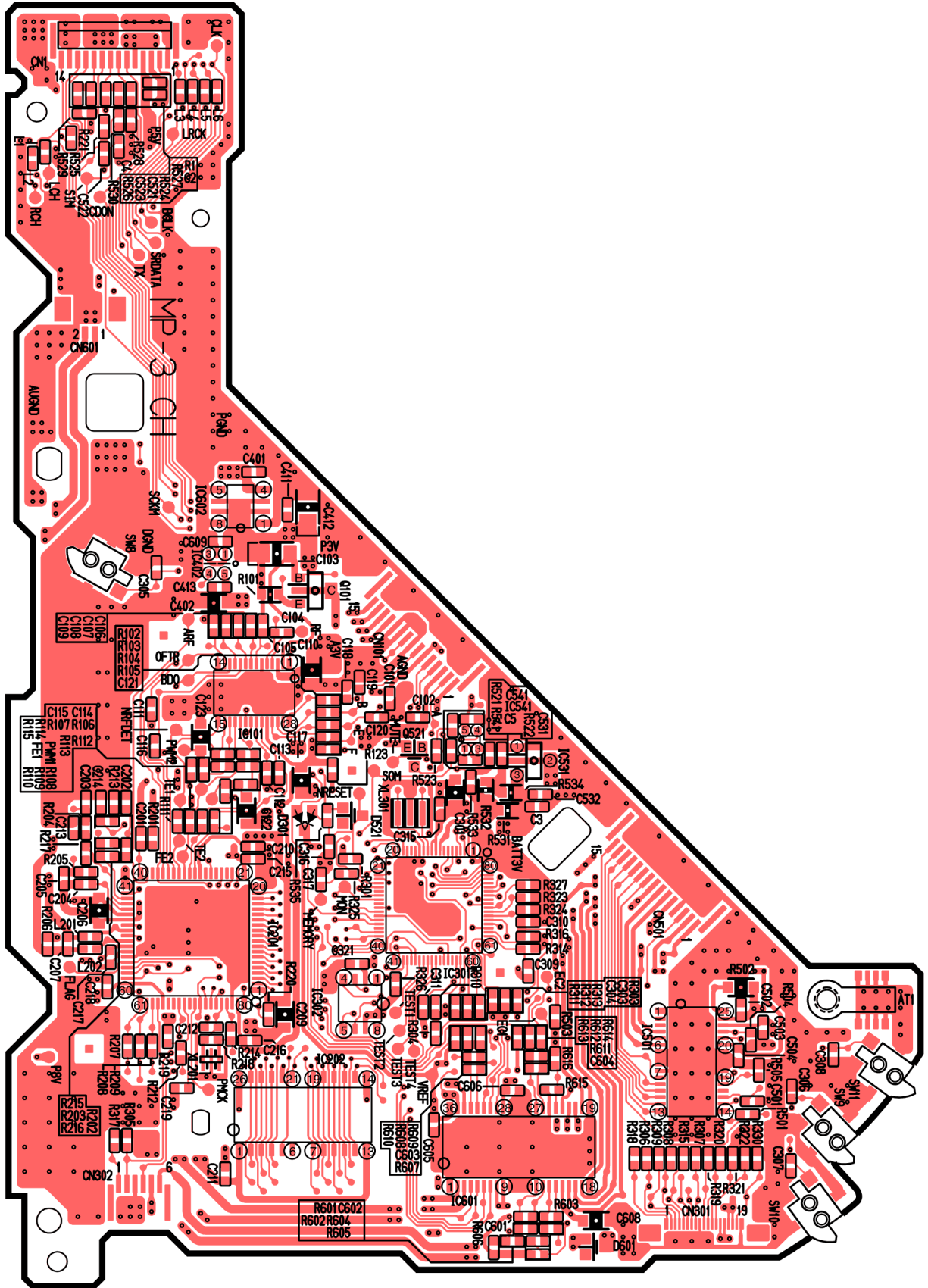
9 EXPLODED VIEW (CD Deck-3)



YGFD13301-3
2004. 3. 11

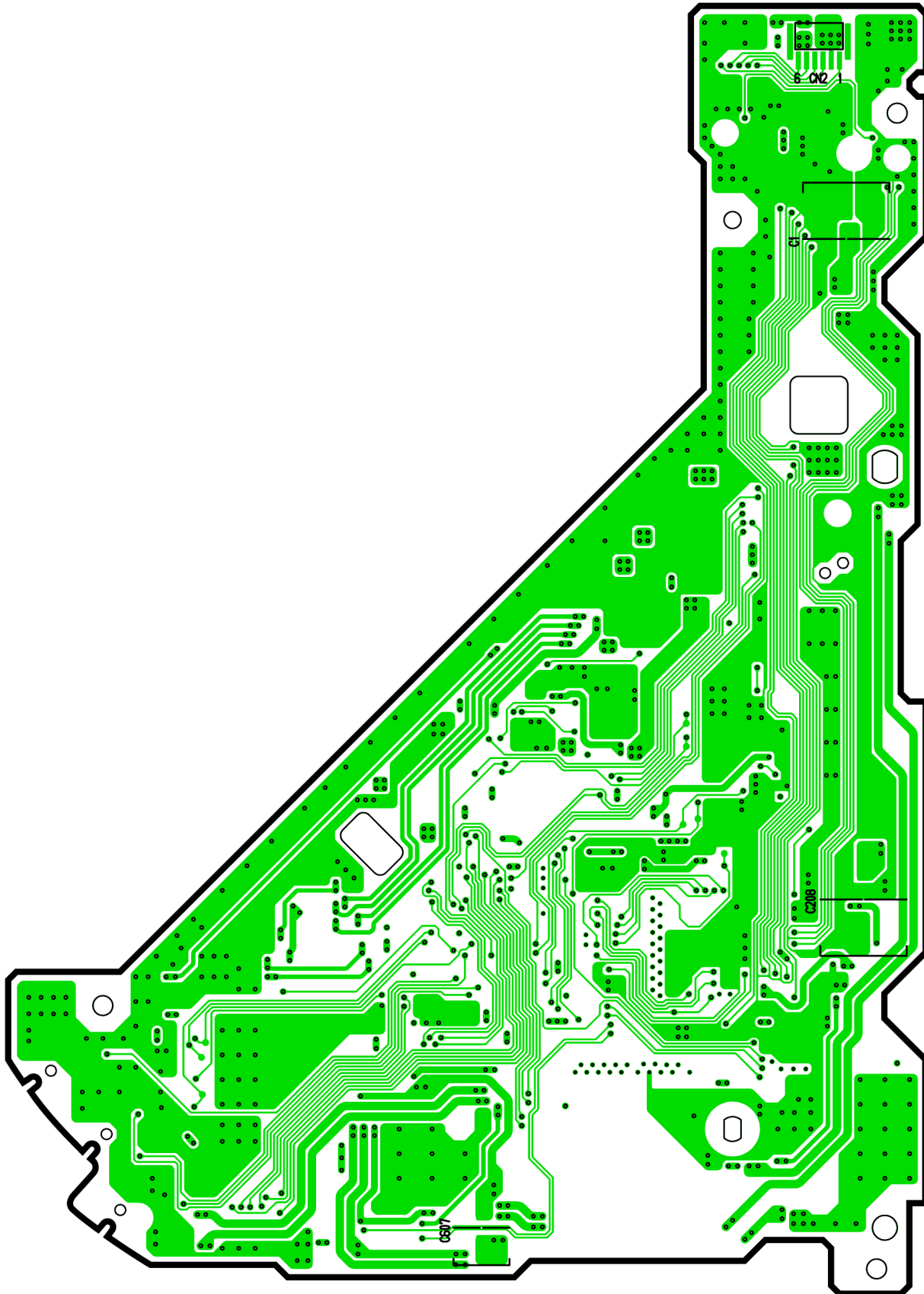
10 WIRING DIAGRAM

10.1. CD Servo Block (Top View)



[E-9256] [Top View]

10.2. CD Servo Block (Bottom View)

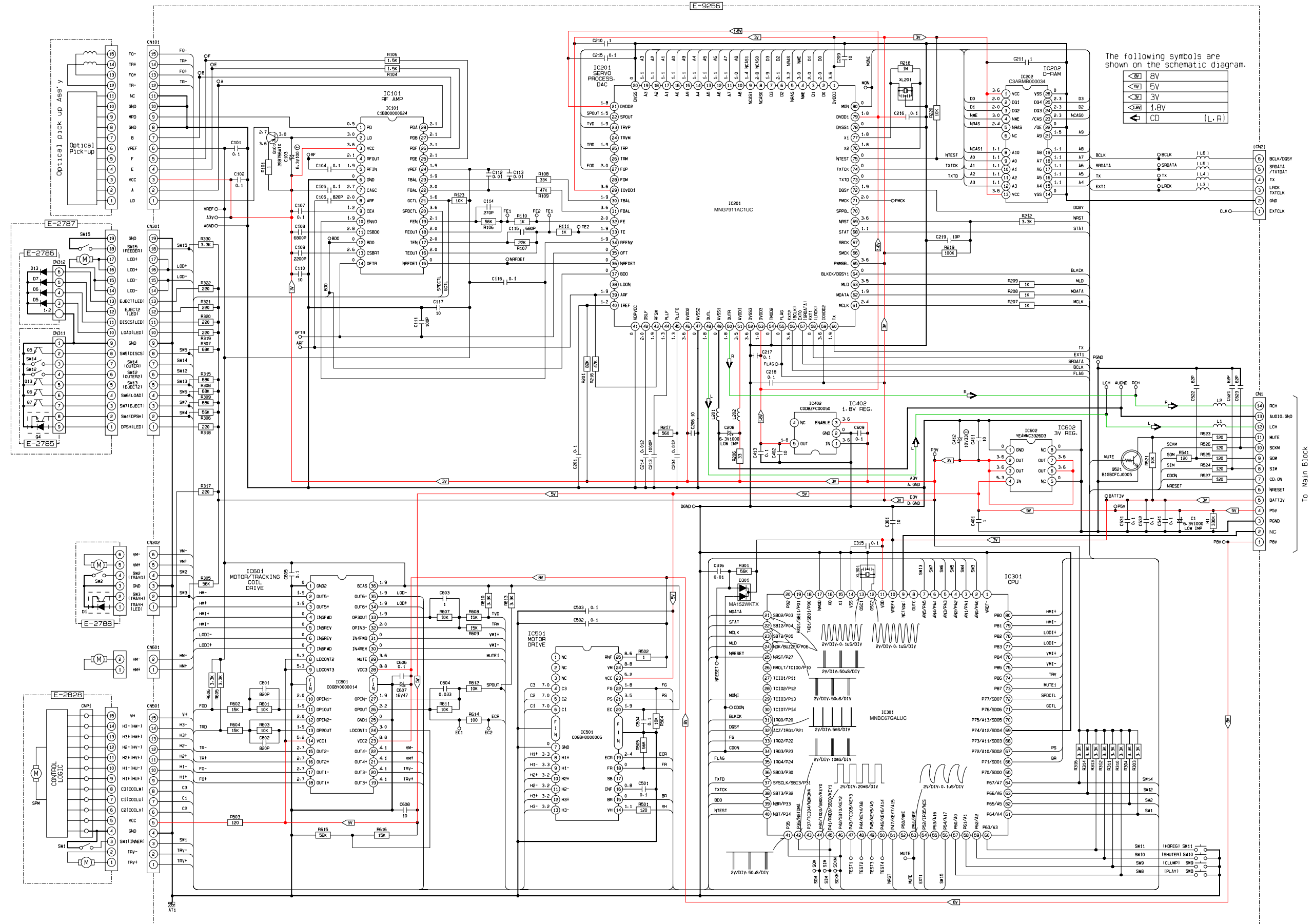


[E-9256] [Bottom View]

YGFD13301 DECK P.C.B

11 SCHEMATIC DIAGRAM

11.1. CD Servo Block



The following symbols are shown on the schematic diagram.

	8V
	5V
	3V
	1.8V
	CD (L.R)

To Main Block