

Service Manual

AUTOMOTIVE AFTERMARKET



Model No. **CQ-VX100U**

In-dash 7"Widescreen Color LCD Monitor/DVD Receiver



WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE


There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

TABLE OF CONTENTS

	PAGE	PAGE
1 Service Navigation -----	2	
2 Specifications -----	3	
3 Features -----	4	
4 Technical Descriptions -----	5	
5 Disassembly and Assembly Instructions -----	11	
6 Block Diagram-----	13	
7 Wiring Connection Diagram -----	16	
8 Schematic Diagram -----	17	
9 Printed Circuit Board-----	22	
10 Exploded View and Replacement Parts List -----	27	
11 Schematic Diagram for Printing with Letter Size -----	39	

1 Service Navigation

1.1. About Lead Free Solder (PbF)

Distinction of PbF PCB :

- PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)

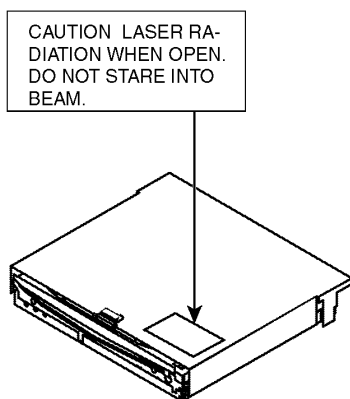
1.2. Laser Products

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit.
It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.



Deck Ass'y (Upper Side)

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.

1.3. Replacing the Fuse

Use fuses of the same specified rating 15 amps. Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

1.4. Maintenance

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

1.5. Notes

[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[DVD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

2 Specifications

2.1. Specifications*

General

Power Supply	DC 12V (11V - 16V) Test Voltage 14.4V Negative Ground
Current Consumption	Less than 10A (during disc playback)
Maximum Power Output	50 W x 4ch
Power Output	20 W x 4ch
Compatible Speaker Impedance	4 Ω
Video Input Signal	Composite video signal, 1.0 Vp-p (75 Ω)
Audio Input Sensitivity	2 Vrms
Video Output Signal	Composite video signal, 1.0 Vp-p (75 Ω)
Pre-Amp Output Voltage	2 Vrms
Pre-amp Output Impedance	Less than 600 Ω
Dimensions (W×H×D)**	178×50×165mm (7" × 1-15/16" × 6-1/2")
Weight**	2.4 kg (5 lbs. 5 OZ.)

Front AV input (AV1 IN)

Input Impedance	47 kΩ
Allowable External Input Connector	2.0 V 3.5 mm Stereo mini pin (Equipped with video input terminal)
Audio Input Sensitivity	2 Vrms
Video Input Signal	Composite video signal, 1.0 Vp-p (75 Ω)

FM stereo radio

Frequency Range	87.9 MHz - 107.9 MHz
Usable Sensitivity	12.2dBf
Stereo Separation	30 dB (1 kHz)
S/N ratio	62 dB

AM Radio

Frequency Range	530 kHz - 1710 kHz
Usable Sensitivity	28 dB/μV
Image Rejection Ratio	50 dB

Audio section

Output Voltage/Impedance	2 Vrms/600 Ω
Frequency Characteristics	20 Hz-20 kHz (±1 dB)
Dynamic Range	96 dB (during CD playback)
S/N ratio	95 dB (during CD playback)

Monitor

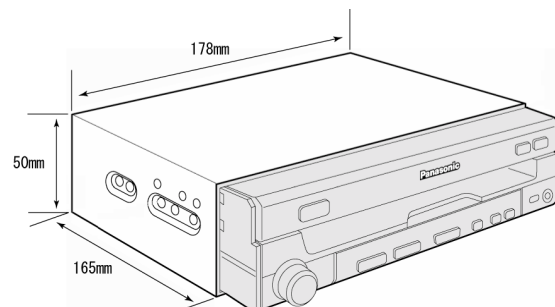
Liquid Crystal Panel	7-inch wide
Screen	154×87×177 mm
Dimensions (W×H×D)**	(6-1/16" × 3-7/16" × 6-15/16")
Number of Pixels	336 960 pixels (234 vertical × 480 horizontal × 3)
Valid Pixel Ratio	Over 99.99%
Display Method	Transparent color filter format
Drive Method	TFT (Thin Film Transistor) active matrix format

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

** Dimensions and Weight shown are approximate.

*** Above specifications comply with EIA standards.

2.2. Dimensions



3 Features

- Simultaneous Multi-Device Connection (with Expansion Module (hub unit))
- Expansion Module (The optional Hub unit: CY-EM100U)
- Connectable devices
 - The optional adapter allows you to connect the optional Panasonic DVD changer unit (CX-DH801U)
 - The optional adapter allows you to connect the optional Panasonic CD changer unit (CX-DP880)
 - TV Tuner (The optional Panasonic TV tuner unit: CY-TUN153U).
 - The optional adapter allows you to connect the optional iPod® series.
 - <Controllable iPod/software version>
 - 4th generation iPod/ver. 3.1.1
 - 5th generation iPod/ver. 1.2.1
 - iPod photo/ver. 1.2.1
 - iPod mini/ver. 1.4.1
 - 1st generation iPod nano/ver. 1.3.1
 - 2nd generation iPod nano/ver. 1.1.3
 - XM Satellite Radio
 - Sirius Satellite Radio
 - Hands-Free Kit with Audio Streaming featuring Bluetooth technology (The optional Bluetooth unit: CY-BT200U)
- Integration of the monitor, FM/AM radio, DVD Video/Video CD player and CD/MP3/DivX player.
- Built-in AV Input/Output Terminals.
- SQ3 (3-Band Sound Quality).
- GUI (Graphic User Interface).
- Disc type auto-detection.
- Touch Panel Operation.
- DVD-R, DVD-RW Playback.
- ID code.

4 Technical Descriptions

4.1. Terminals Description

4.1.1. Main Block

IC601:C2DBYY000345

Pin No.	Port	Description	I/O	Vol (V)		
				FM	AM	DV D
1	AVREF0	Reference voltage for A/D Converter 0	-	3.3	3.3	3.3
2	AVSS	Ground for A/D converter	-	0	0	0
3	FREQ CNT	Output for control of frequency of DC	O	1.5	1.5	1.5
4	RSTB	Reset of TFT	O	3.3	3.3	3.3
5	AVREF1	Reference voltage for A/D Converter 1	-	3.3	3.3	3.3
6	FLSPM CNT	Output for control of Self programming"	O	0	0	0
7	FREQ IN	Input for count of frequency of DC	I	AC T	AC T	AC T
8	IC/FLMD0	Flash memory update control	-	0	0	0
9	VDD	+3.3V power supply	-	3.3	3.3	3.3
10	REGC	Bypass capacitor terminal for voltage reg.	-	2.5	2.5	2.5
11	VSS	Groud	-	0	0	0
12	X1	Crystal osillator terminal for main 1	I	AC T	AC T	AC T
13	X2	Crystal osillator terminal for main 2	-	AC T	AC T	AC T
14	RESET	System reset	I	3.3	3.3	3.3
15	XT1	Crystal osillator terminal for Sub	I	0	0	0
16	XT2	Not connected	O	-	-	-
17	RDS DATA	RDS DATA input	O	-	-	-
18	CHSTB/SYS ID4	input for changer of communication Strobe /HUB(connected equipment recognition)"	I	0	0	0
19	RDS_CLK	RDS CLK input	O	-	-	-
20	N.C.	-	O	-	-	-
21	HUB_EVENT	for HUB (EVENT input)	I	0	0	0
22	TFT_SDA	TFT I2C bus data input/output	I/O	AC T	AC T	AC T
23	TFT_SCL	TFT I2C bus clock output	O	AC T	AC T	AC T
24	HUB CNT	for HUB (HUB control)	O	3.3	3.3	3.3
25	HUB TX	Hub data output	O	5	5	5
26	CH DATA/HUB RX	Changer data/Hub data input	I	3.3	3.3	3.3
27	CHCLK/SYS ID3	Changer_CLK input	I	0	0	0
28	REMO DATA IN	External remote control signal input	I	0	0	0
29	CH RM OUT	changer remote control code output	O	5	5	5
30	MAIN CNT	Main_CONT of HUB	O	0	0	0
31	SYS ID1	for HUB (Connected equipment recognition 1)	I	5	5	5
32	SYS ID2	for HUB (Connected equipment recognition 2)	I	5	5	5
33	EVSS	Grand potential for external	-	0	0	0
34	EVDD	Positive power supply for external	-	3.3	3.3	3.3
35	D SDA	DVD deck I2C data input/output	I/O	3.3	3.3	3.3

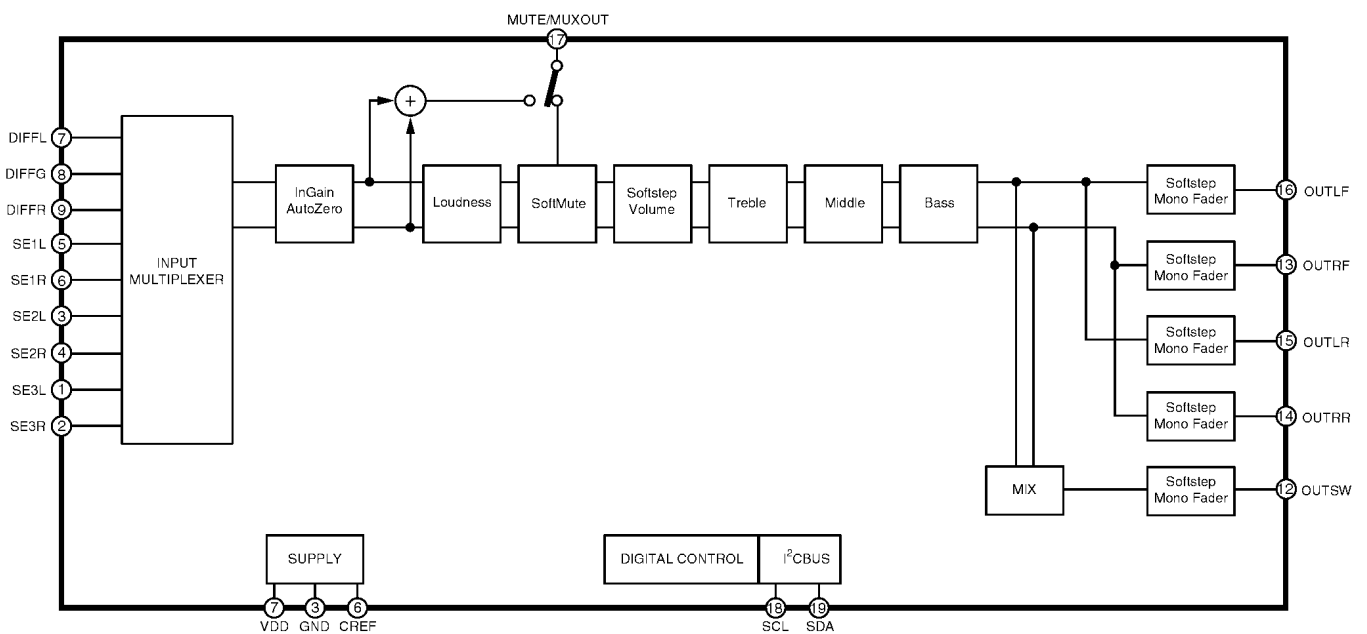
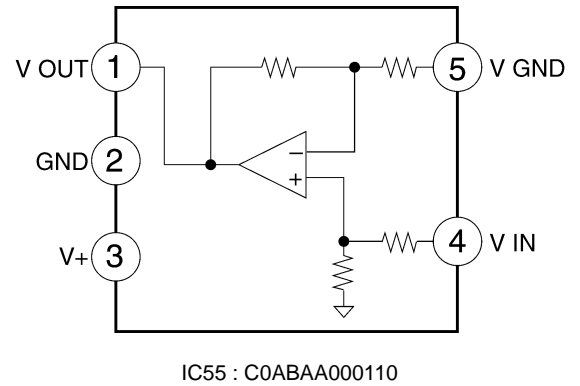
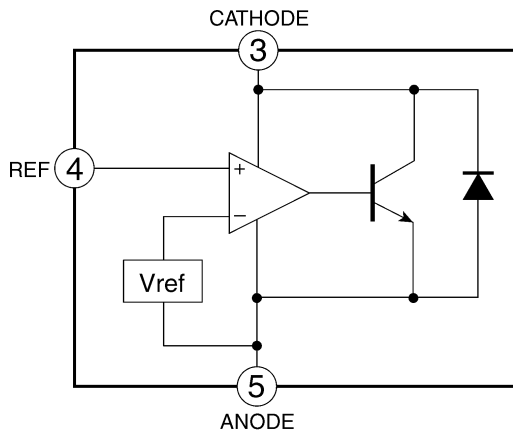
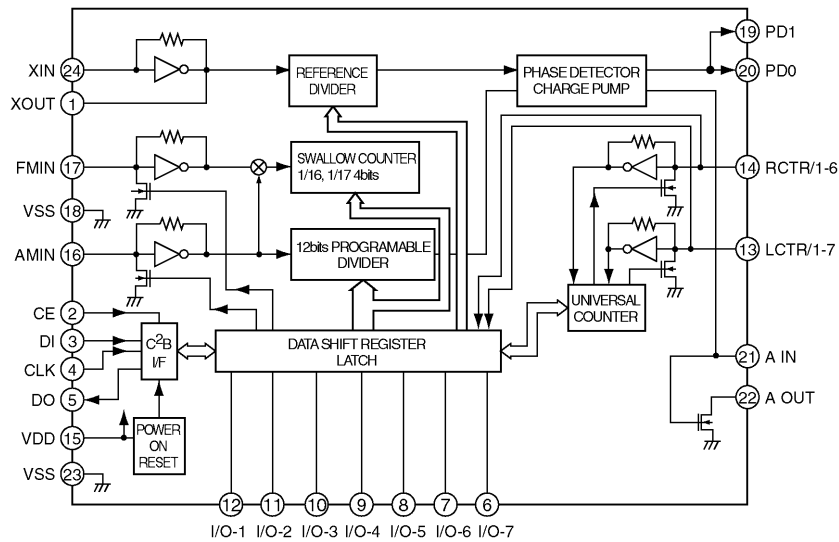
Pin No.	Port	Description	I/O	Vol (V)		
				FM	AM	DV D
36	D SCL	DVD I2C clock output	O	3.3	3.3	3.3
37	BEEP	Beep correspondence title output	O	0	0	0
38	REQUEST	I2C communication request (DVD DECK)	O	0	0	0
39	D RESET	DVD DECK'S reset output	O	3.3	3.3	3.3
40	NEJECT	output for compulsion eject	O	3.3	3.3	3.3
41	N.C.	-	O	0	0	0
42	SRC LED	SRC button LED	O	3.3	3.3	3.3
43	SRC KEY	SOURCE key detection	I	3.3	3.3	3.3
44	LED ON	LED control for SW substrate	O	3.3	3.3	3.3
45	EJECT LED	Not connected	O	-	-	-
46	SD	input for electric field strength detection	I	0	0	0
47	N.C.	-	-	-	-	-
48	PLL CE	Chip enable output for PLL_IC communication	O	3.3	3.3	3.3
49	PLL SI	Cereal data input for PLL IC communication	I	3.3	3.3	3.3
50	PLL SO	Cereal data output for PLL IC communication	O	3.3	3.3	3.3
51	PLL CLK	Cereal clock output for PLL IC communication	O	3.3	3.3	3.3
52	SYS MUTE(F)	System mute signal output (FRONT)	O	5	5	5
53	N.C.	-	O	-	-	-
54	SYS MUTE(S)	System mute signal output (SURROUND)	O	5	5	5
55	NAVI DISP	Navigation screen ON detection	I	0	0	0
56	NAVI RM CH	switch for Navi remote of control signal	O	0	0	0
57	V NAVI	NAVI red green blue code change output	O	0	0	0
58	INV PWR	inverter power supply control output for monitor	O	3.3	3.3	3.3
59	N.C.	-	O	-	-	-
60	N.C.	-	O	-	-	-
61	AUDIO SDA	E-VOL/AV SW side I2C bus data input/output	I/O	5	5	5
62	AUDIO_SCL	E-VOL/AV SW side I2C bus clock output	O	5	5	5
63	CP RESET	iPod Authentication chip for RESET	O	3.3	3.3	3.3
64	CP READY	iPod Authentication chip communication state detection	I	0	0	0
65	MVC DC	Not connected	O	-	-	-
66	PULSE	Not connected	I	-	-	-
67	NAVI RM OUT	Navigation remote control data signal output	O	0	0	0
68	NAVI SENS	Navigation system connection detection	I	0	0	0
69	N.C.	-	O	-	-	-
70	EXT ROM CE	External memory connection chip enable output for PhoneBook data storage"	O	3.3	3.3	3.3
71	EXT ROM SI/FR4 SI	External memory connection data input for PhoneBook data	I	3.3	3.3	3.3
72	EXT ROM SO/FR4 SO	External memory connection data output for PhoneBook data	O	0	0	0
73	EXT ROM CLK/FR4 SCK	External memory connection cereal clock output for PhoneBook data	O	0	0	0

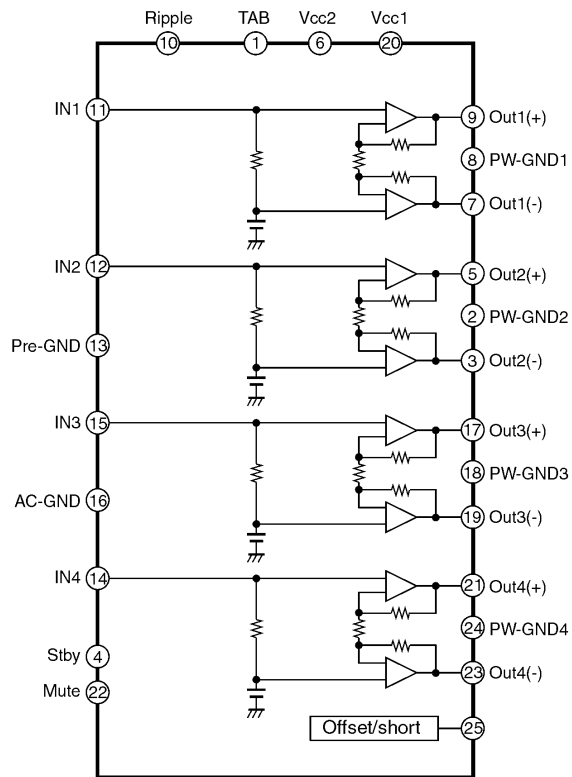
Pin No.	Port	Description	I/O	Vol (V)		
				FM	AM	DV D
74	BATT SENS	Battery level detection	I	3.3	3.3	3.3
75	ACC SENS	ACC level detection	I	5.2	5.2	5.2
76	PANEL DET	Not connected	O	-	-	-
77	CN DET1	input 1 for Detatchapanel detection	I	0	0	0
78	V SW	video switch	O	3.3	3.3	3.3
79	N.C.	-	O	-	-	-
80	N.C.	-	O	-	-	-
81	N.C.	-	O	-	-	-
82	N.C.	-	O	-	-	-
83	CP SDA	Power of iPod authentication chip I2C bus data input and output	I/O	0+	0+	0+
84	CP SCL	iPod attestation chip I2C bus clock output	O	0+	0+	0+
85	FR4 HS	For microcomputer writing	O	0	0	0
86	N.C.	-	O	-	-	-
87	N.C.	-	O	-	-	-
88	N.C.	-	O	-	-	-
89	N.C.	-	O	-	-	-
90	N.C.	-	O	-	-	-
91	N.C.	-	O	-	-	-
92	N.C.	-	O	-	-	-
93	N.C.	-	O	-	-	-
94	FAN CNT	FAN motor power supply control	O	3.3	3.3	3.3
95	N.C.	-	O	-	-	-
96	N.C.	-	O	-	-	-
97	SYS PWR	System power control	O	3.3	3.3	3.3
98	NAVI MUTE	Navi mute signal input	I	0	0	0
99	REVERSE	Reverse detection	I	3.3	3.3	3.3
100	SIDE BRAKE	Parking brake detection	I	3.3	3.3	3.3
101	AMP CNT	amplifier control output	O	3.3	3.3	3.3
102	ANT CNT	antenna control output	O	3.3	3.3	3.3
103	BVSS	Ground for bus I/F	-	0	0	0
104	BVDD	Power supply for busI/F	-	3.3	3.3	3.3
105	PUSH SW	-	O	-	-	-
106	ROTARY.1	-	O	-	-	-
107	ROTARY.2	-	O	-	-	-
108	NAVI SP CNT	NAVI guide voice mute control output	O	0	0	0
109	INIT DET 2	Destination detection 2	I	0	0	0
110	FLMD1	Flash memory updat control	-	0	0	0
111	N.C.	-	O	-	-	-
112	HSD	P.IC abnormality detection check	I	3.3	3.3	3.3
113	AMP STB	Built-in power amplifier control output	O	3.3	3.3	3.3
114	AMP MUTE	Built-in power amplifier mute output	O	0	0	0
115	N.C.	-	O	-	-	-
116	N.C.	-	O	-	-	-
117	N.C.	-	O	-	-	-
118	N.C.	-	O	-	-	-
119	N.C.	-	O	-	-	-
120	N.C.	-	O	-	-	-
121	Tilt LED/MOTOR CNT A	Panel drive voltage control A	O	0	0	0
122	MA/PANEL CNT B	Mechanism control terminal MA	O	3.3	3.3	3.3
123	MB/PANEL CNT A	Mechanism control terminal MB	O	3.3	3.3	3.3
124	MC/MOTOR CNT B	Mechanism control terminal MC	O	0	0	0

Pin No.	Port	Description	I/O	Vol (V)		
				FM	AM	DV D
125	MONI CNT	TFT monitor power supply control output	O	3.3	3.3	3.3
126	Touch SW	Switch output for touch panel SW detection	O	AC T	AC T	AC T
127	INSERT LED	Not connected	O	-	-	-
128	CN DET2	input 2 for connector connection confirmation	I	0	0	0
129	N.C.	-	O	-	-	-
130	N.C.	-	O	-	-	-
131	INIT DET 1	Destination detection 1	I	3.3	3.3	3.3
132	X+	Transistor SW output for touch panel X respect + pole	O	3.3	3.3	3.3
133	Y+	Transistor SW output for touch panel Y respect + pole	O	3.3	3.3	3.3
134	X-	Transistor SW output for touch panel X respect - pole	O	0	0	0
135	Y-	Transistor SW output for touch panel Y respect - pole	O	0	0	0
136	POSI_SENS	Monitor position voltage	I	3	3	3
137	VSM	Tuner S meter input	I	2.2	1.2	1.8
138	AD KEY1	AD_KEY input 1	I	3.3	3.3	3.3
139	AD KEY2	AD_KEY input 2	I	3.3	3.3	3.3
140	AD KEY3	AD_KEY input 3	I	3.3	3.3	3.3
141	XG	Touch panel X respect-pole	I	0	0	0
142	YG	Touch panel Y respect-pole	I	AC T	AC T	AC T
143	XR	Touch panel X respect+pole	I	0	0	0
144	YR	Touch panel X respect+pole	I	AC T	AC T	AC T

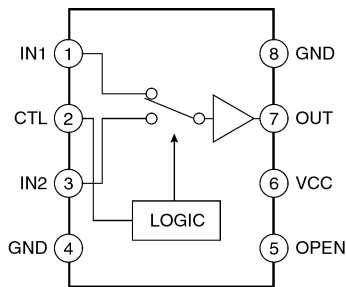
4.2. IC Block Diagram

4.2.1. Main/Sub/Navi/ESC Block

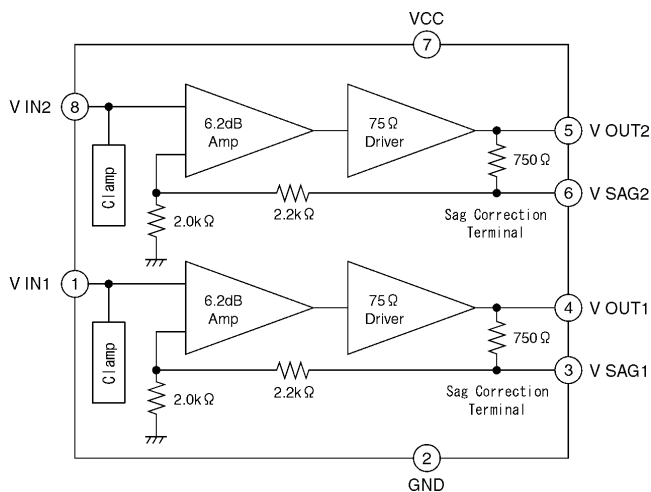




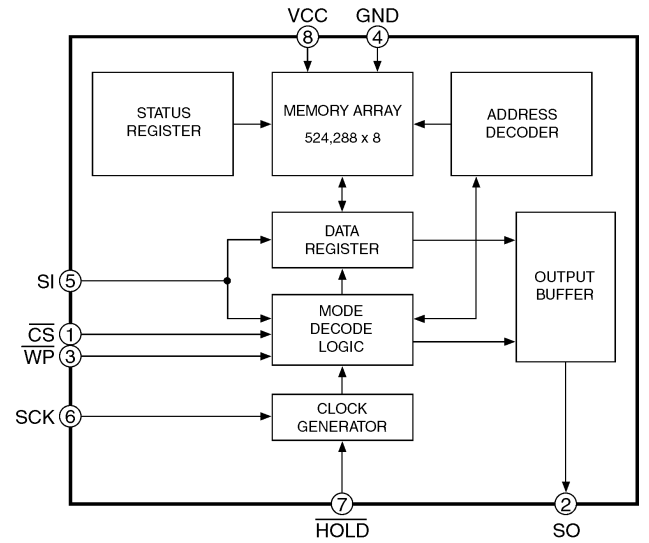
IC201 : C1AA00000779



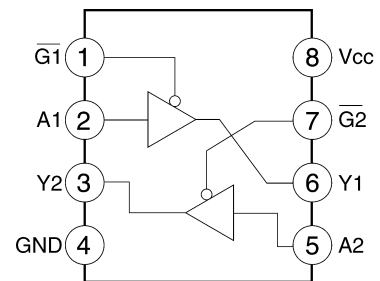
IC382 : C1AB00001870



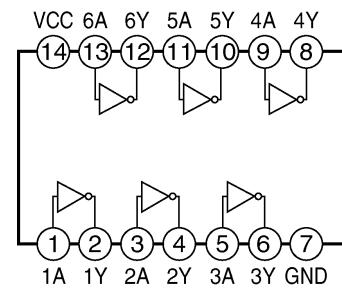
IC381 : C1AB00000163



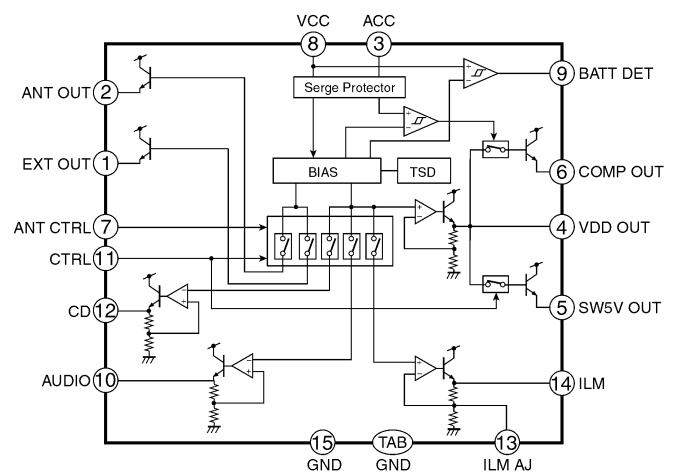
IC602 : C3FBHY000009



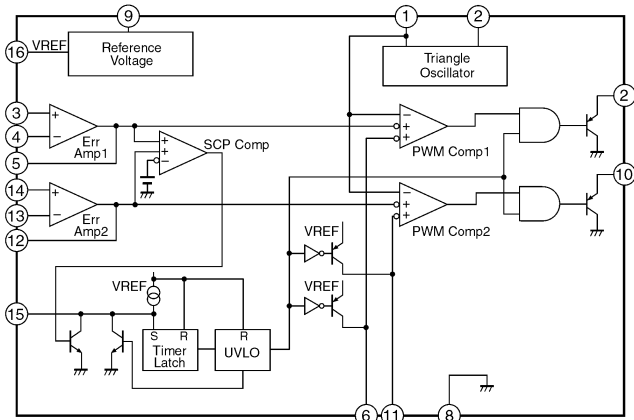
IC603 : C0JBAZ002217



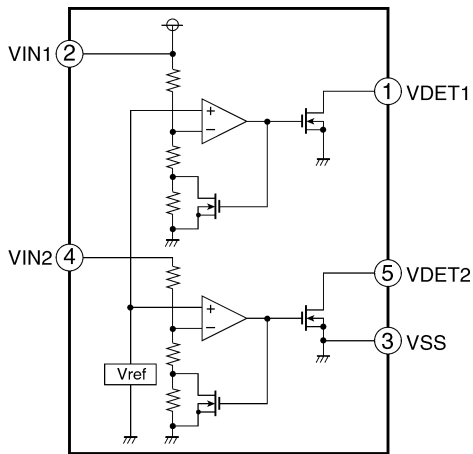
IC608 : C0JBAB000255



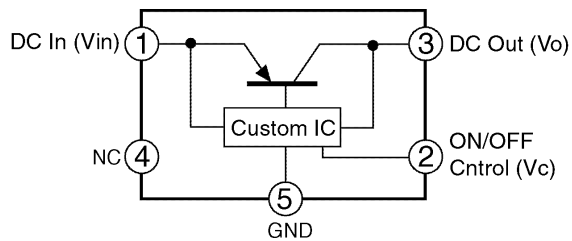
IC701 : C0DAZH000004



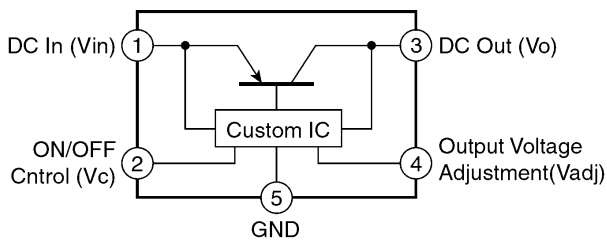
IC702 : C0DBAZC00010



IC704 : C0EBY0000389

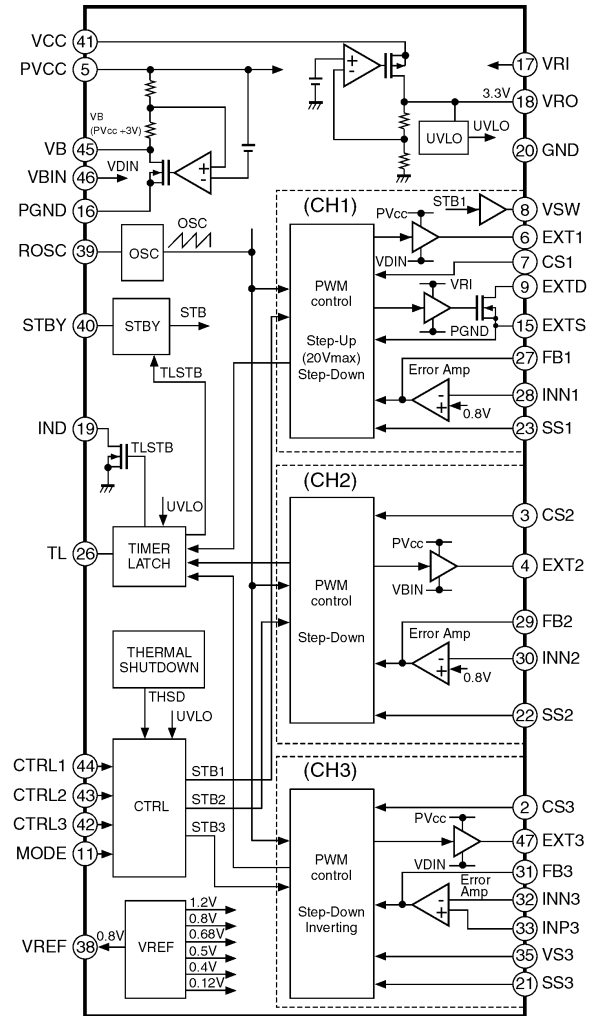


IC706 : C0DBCFC00011

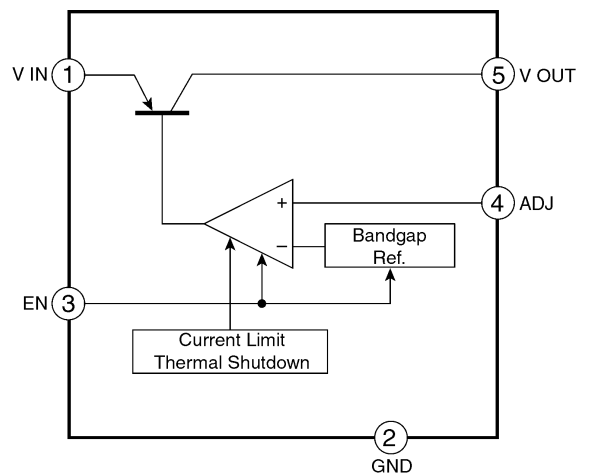


IC710 : C0CBCYG00004

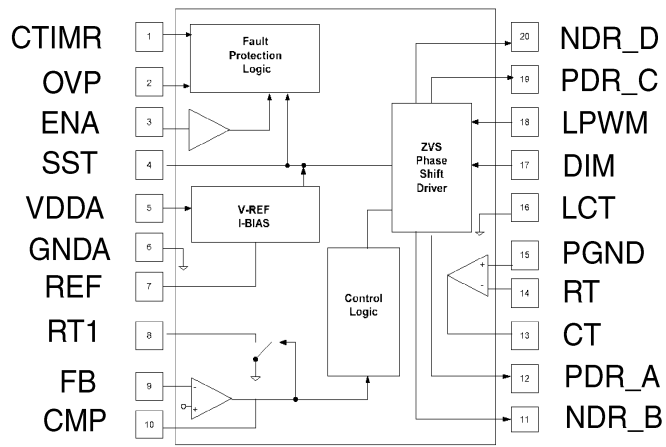
4.2.2. TFT Block



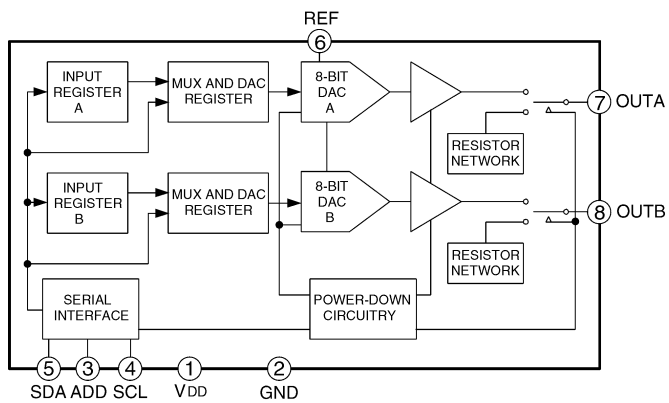
IC401 : C0DBAYY00269



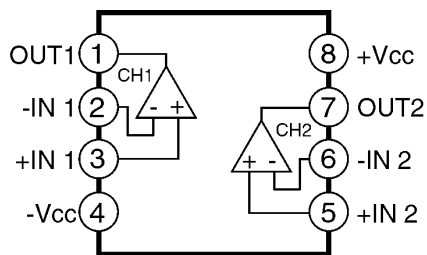
IC402 : AP2202KADJTR



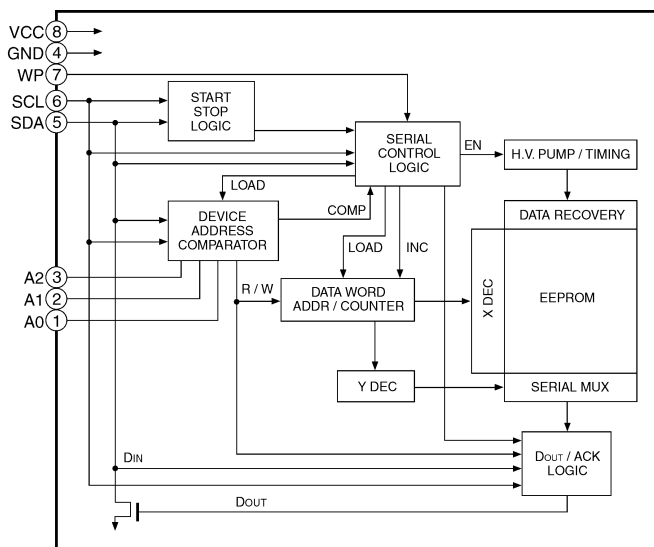
IC451 : C0DBAYY00279



IC452 : C0FBBY000047



IC901 : C0ABBB000069



IC802 : C3EBCY000018

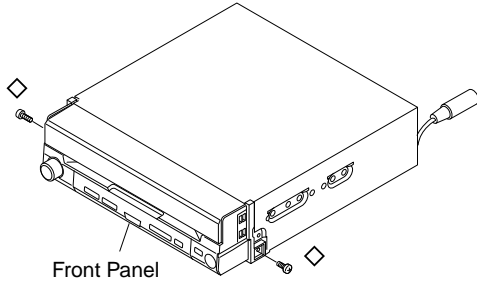
5 Disassembly and Assembly Instructions

5.1. How to Remove the Flexible PCB

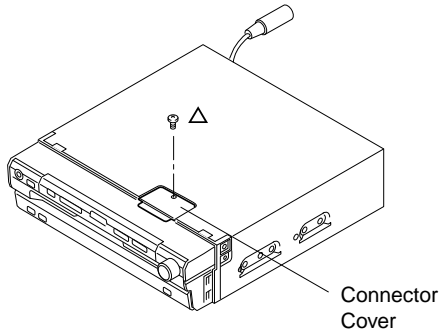
Disassembly of Display Unit

■ Front Panel

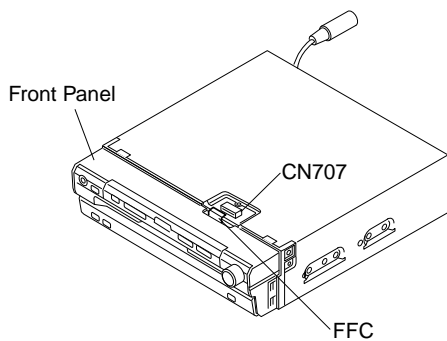
- Remove the two screws(◇) from the Front Panel.



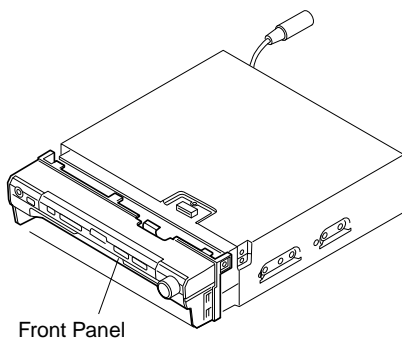
- After removing the screw (△) from the bottom side, remove the Connector Cover.



- Disconnect the FFC, which is connected to the Front Panel, from CN707 on the Main PCB.

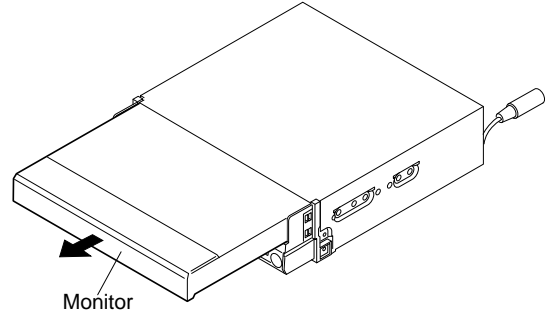


- Remove the Front Panel.

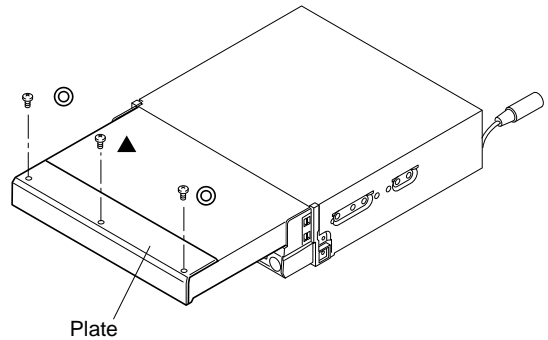


■ Monitor

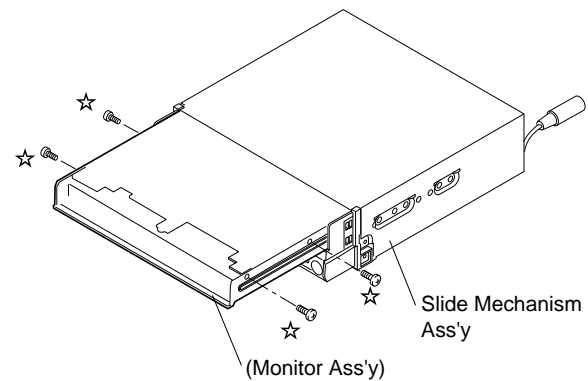
- Pull out the Monitor to the arrow direction.



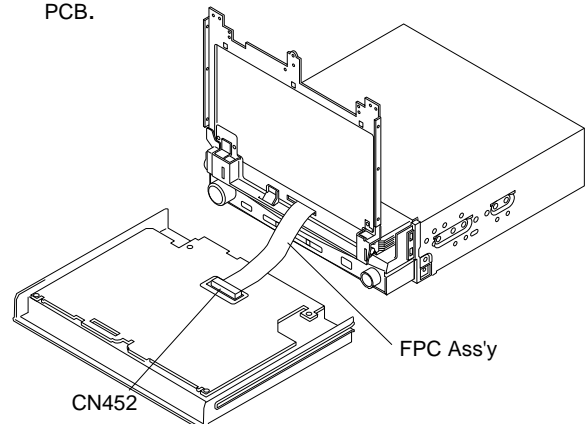
- After removing the two screws (◎) and one screw (▲), remove the Plate.



- After removing the four screws (☆), remove the Monitor Ass'y.



- Disconnect the FPC Ass'y from CN452 on the TFT PCB.

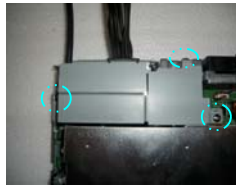


5.2. How to Disassemble & assemble

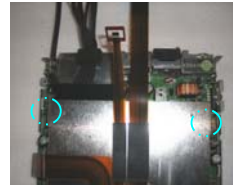
How to disassemble



First take off the monitor block and must be as shown above.



Remove the screws from the 3 spots as shown above labeled with circles.



Take off the metal that fixes the connector and remove the screws from the 2 spots labeled with circles.



Remove the screws from the 2 spots labeled with circles.



Must be situated as shown above then remove the locks on the flat cable of the deck.



Remove the deck block and it is done.

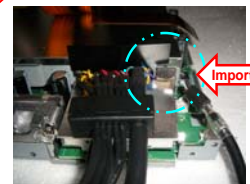
How to assemble



Insert the flat cable.
(Caution for inserting diagonally)



Match the mounting spots of the deck ass'y and fasten them with 2 screws.
The deck ass'y must be inside the front plate of the under cover.



With pad on the rear side of the deck ass'y, there must be no gap between the deck ass'y and the tuner shield case.



Fasten the 2 parts labeled with a circle with screws.

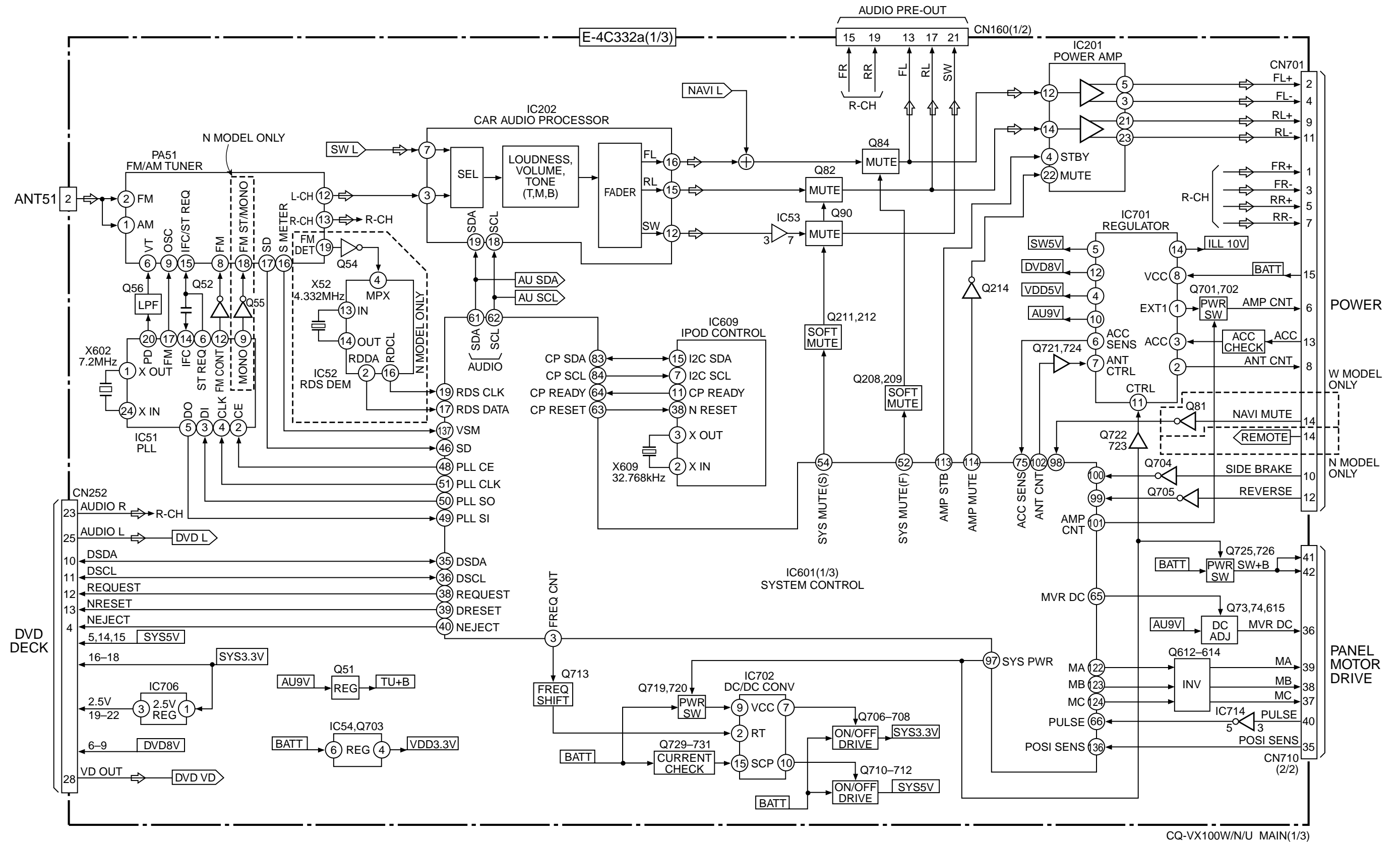


Match the connector bracket with the slit of the RCA cord ass'y and fasten them with 3 screws.
Do not let the ANT receptacle wires get jammed.

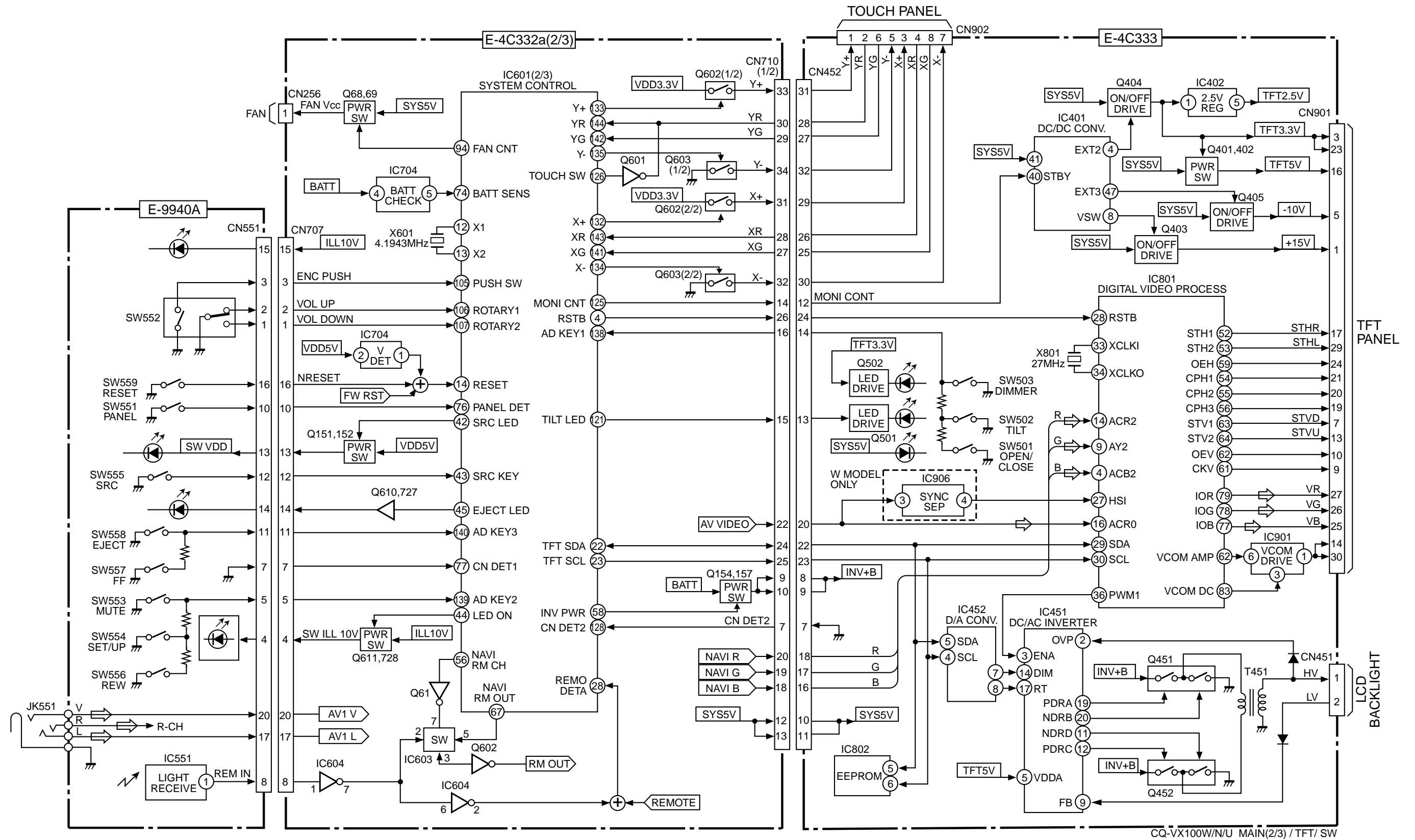


6 Block Diagram

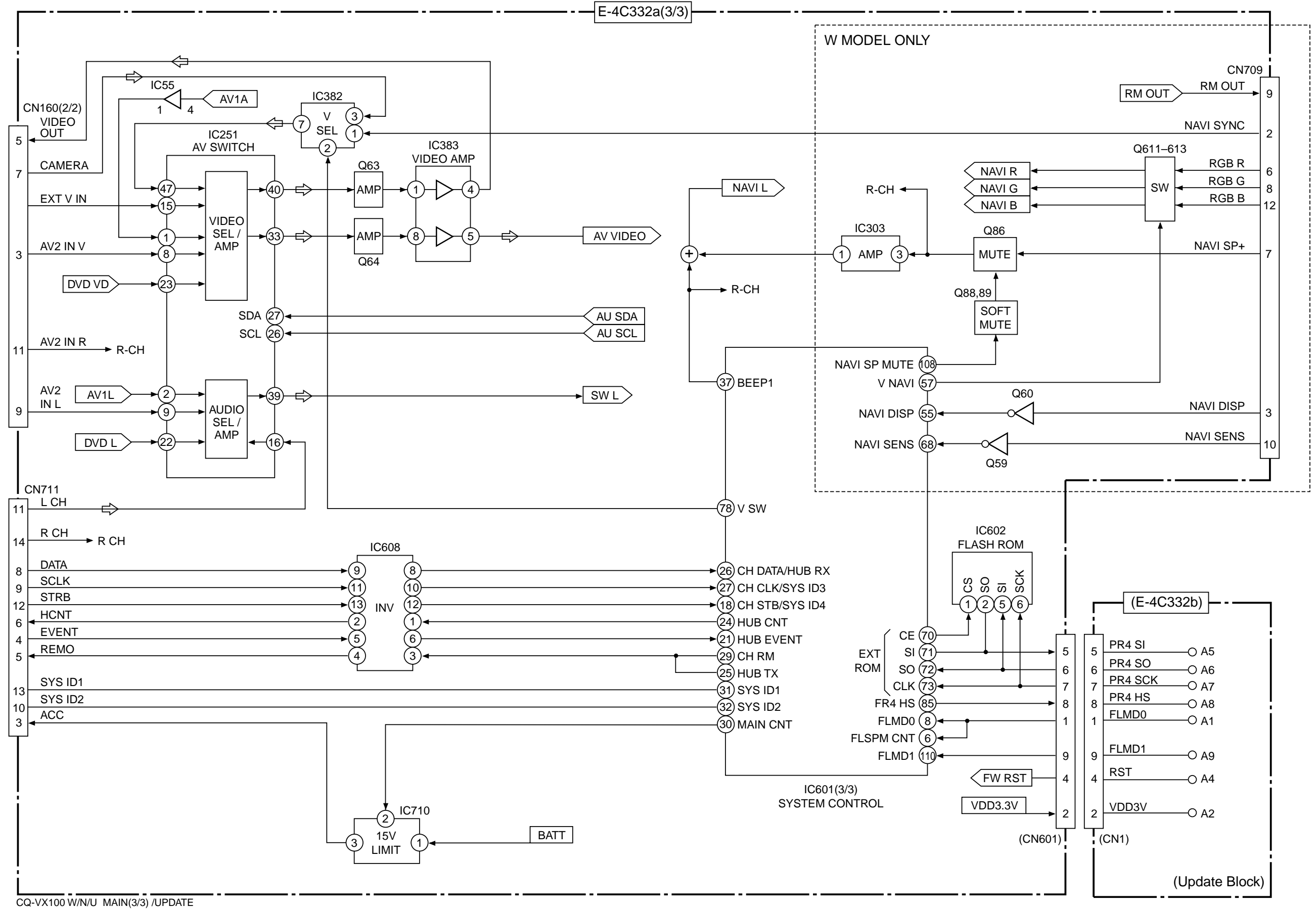
6.1. Main-1 Block



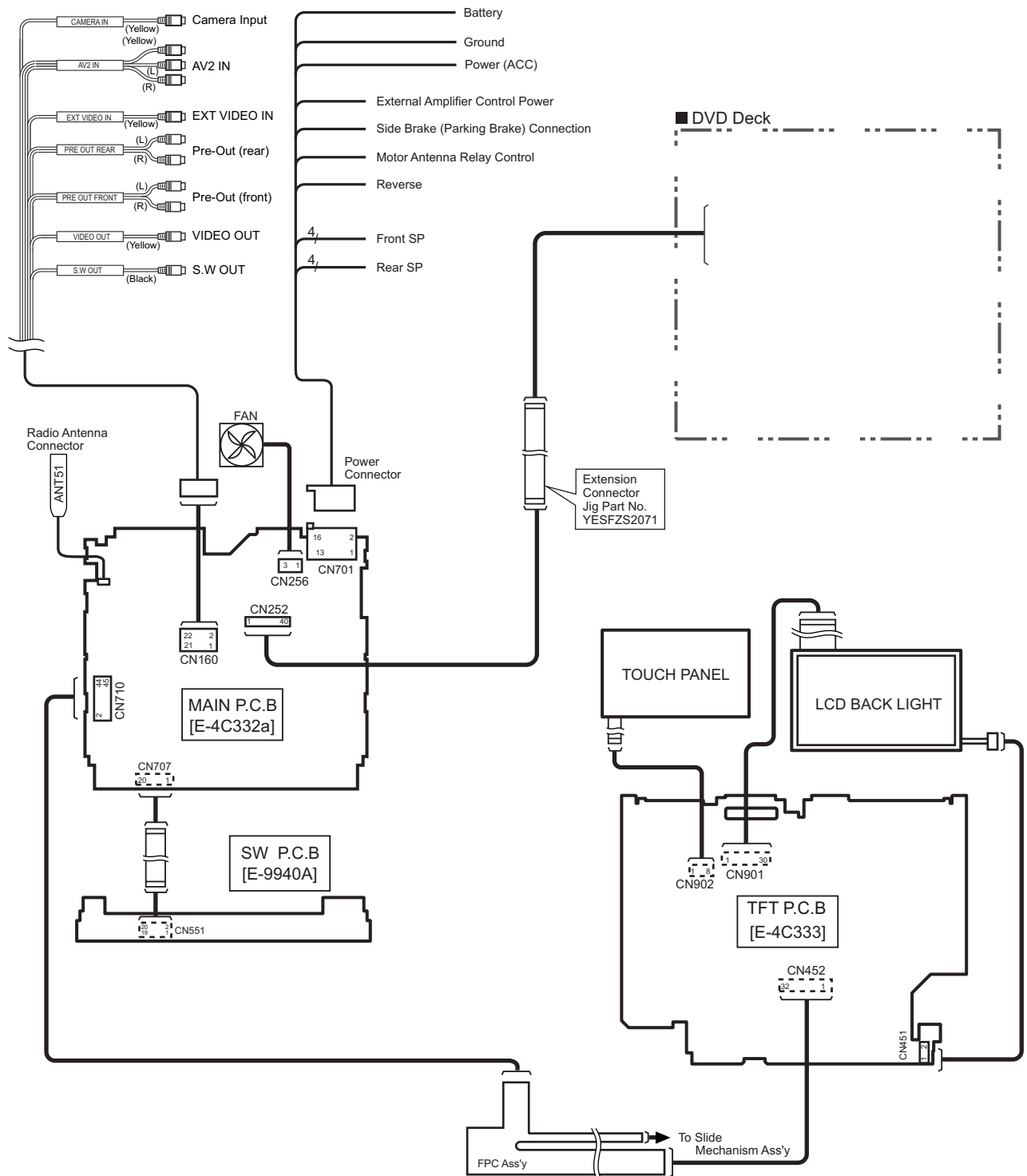
6.2. Main-2/TFT/SW Block



6.3. Main-3 Block

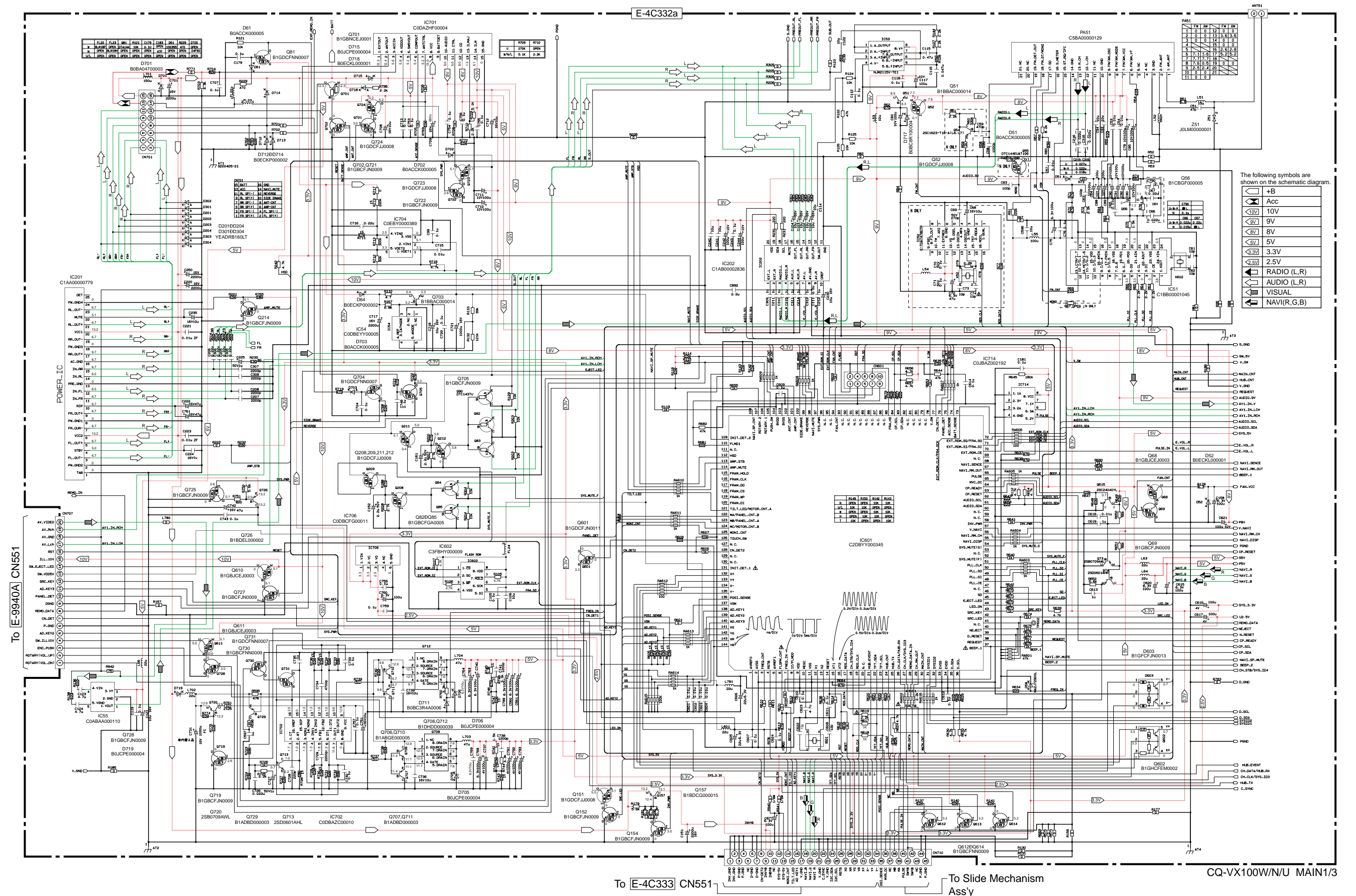


7 Wiring Connection Diagram

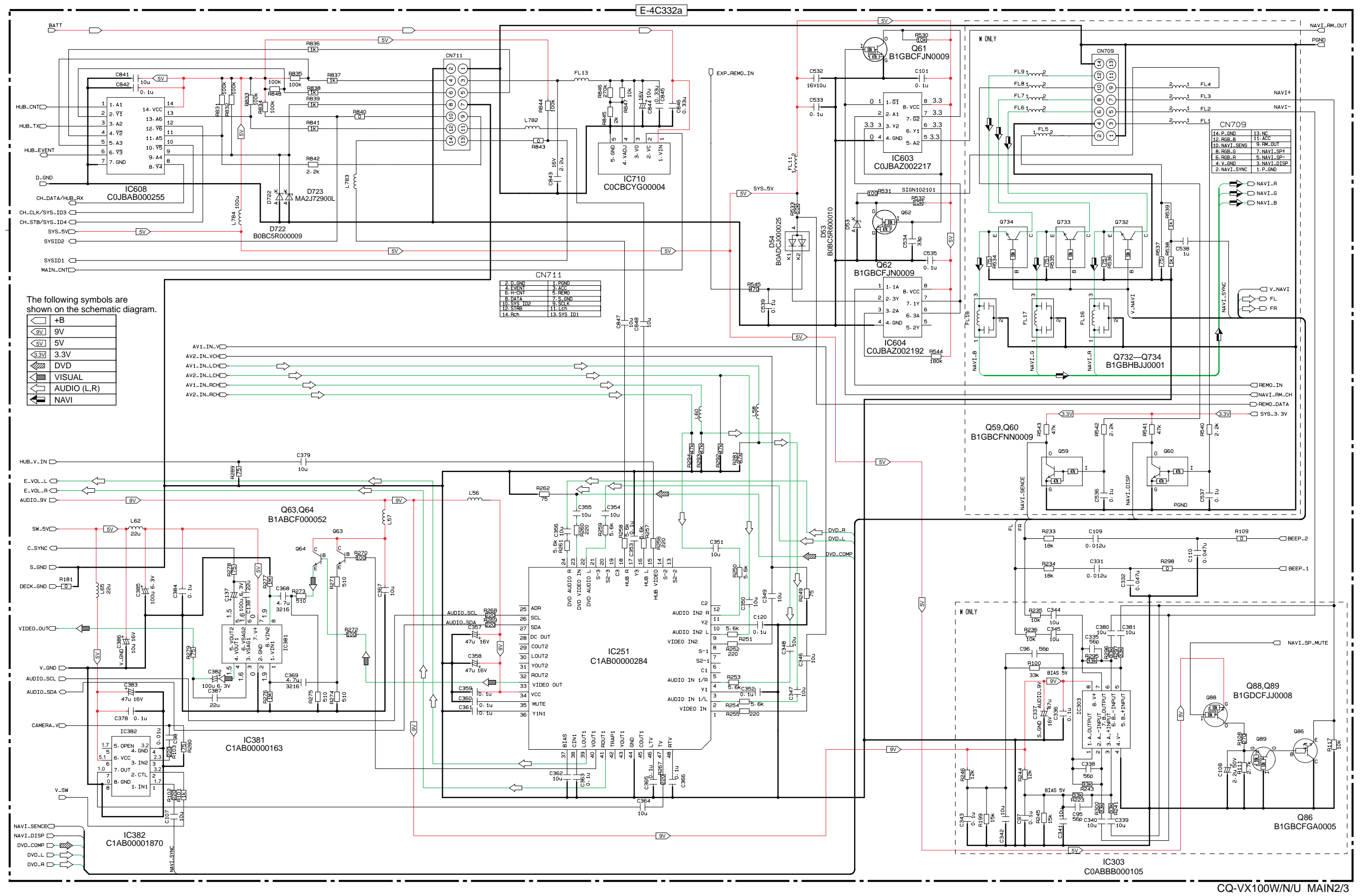


8 Schematic Diagram

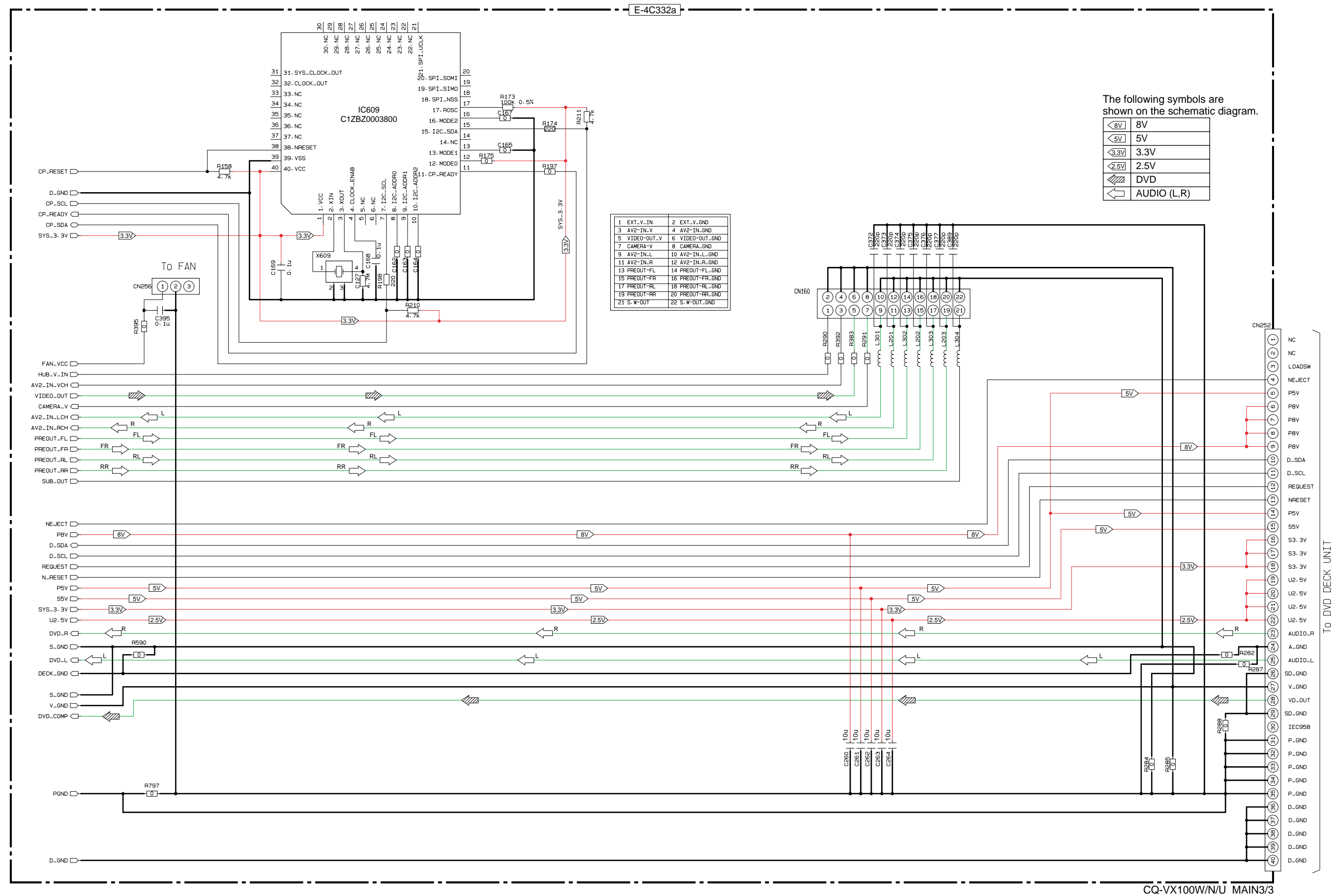
8.1. Main-1 Block



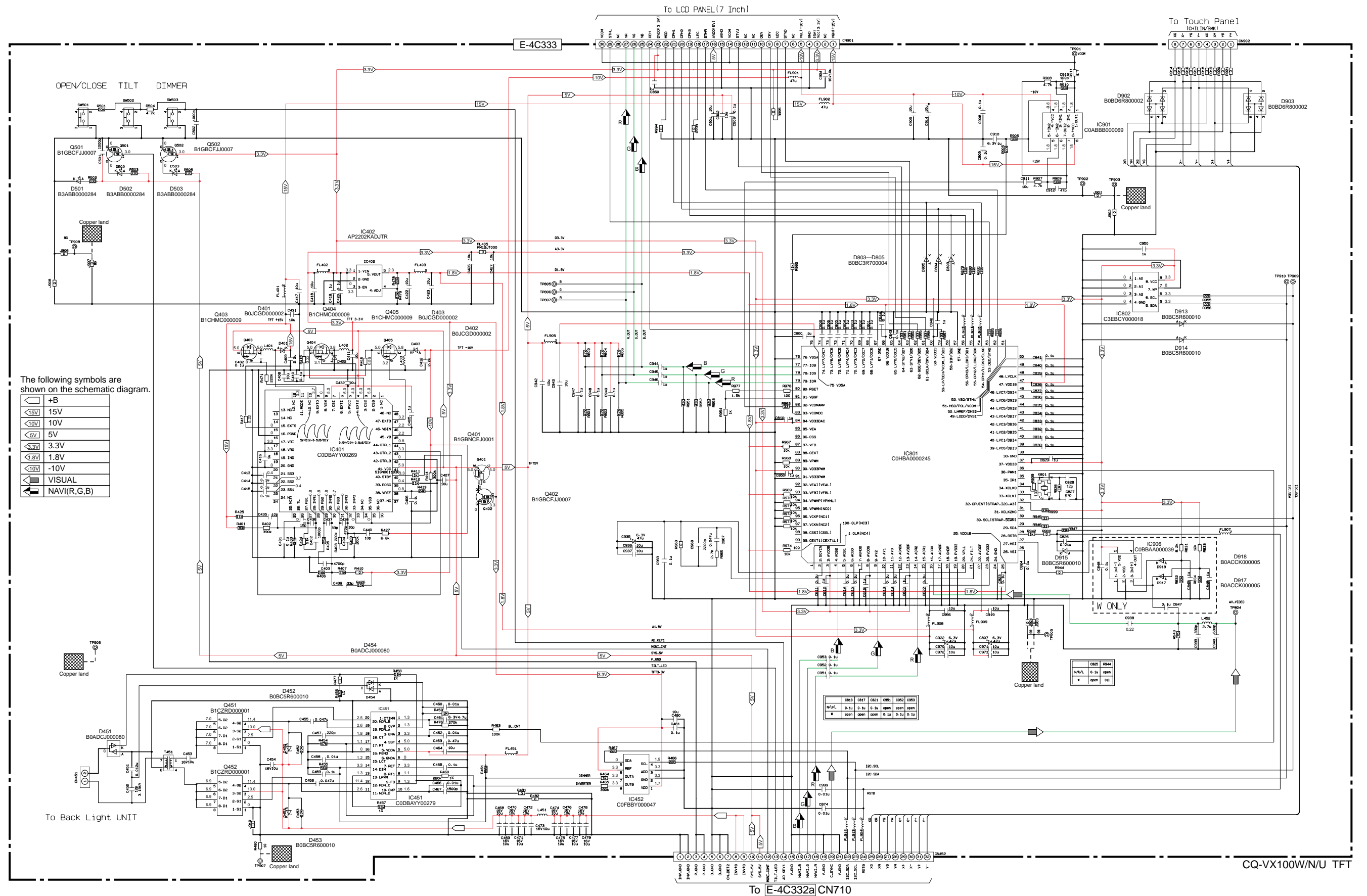
8.2. Main-2 Block



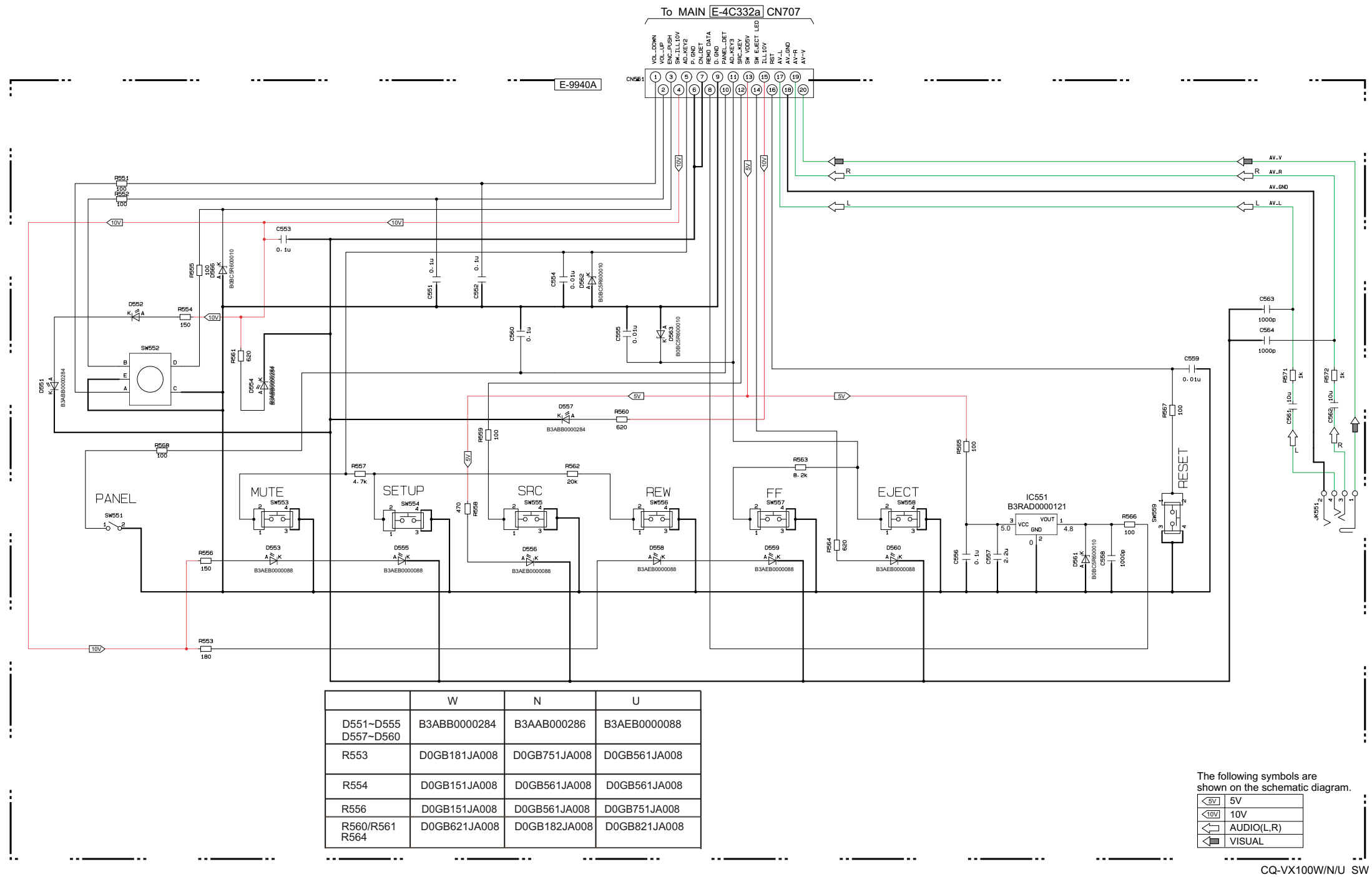
8.3. Main-3 Block



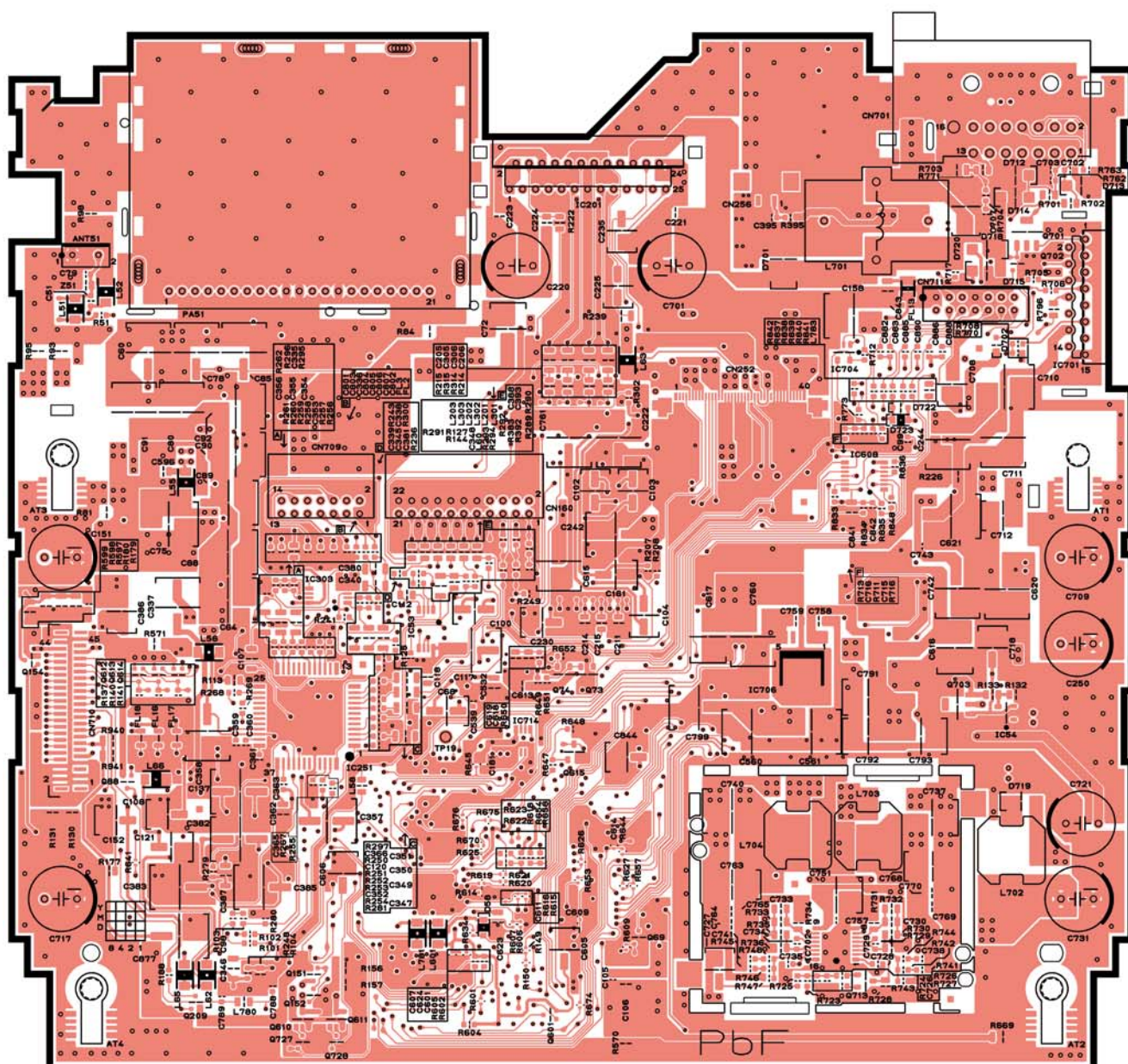
8.4. TFT Block



8.5. SW Block



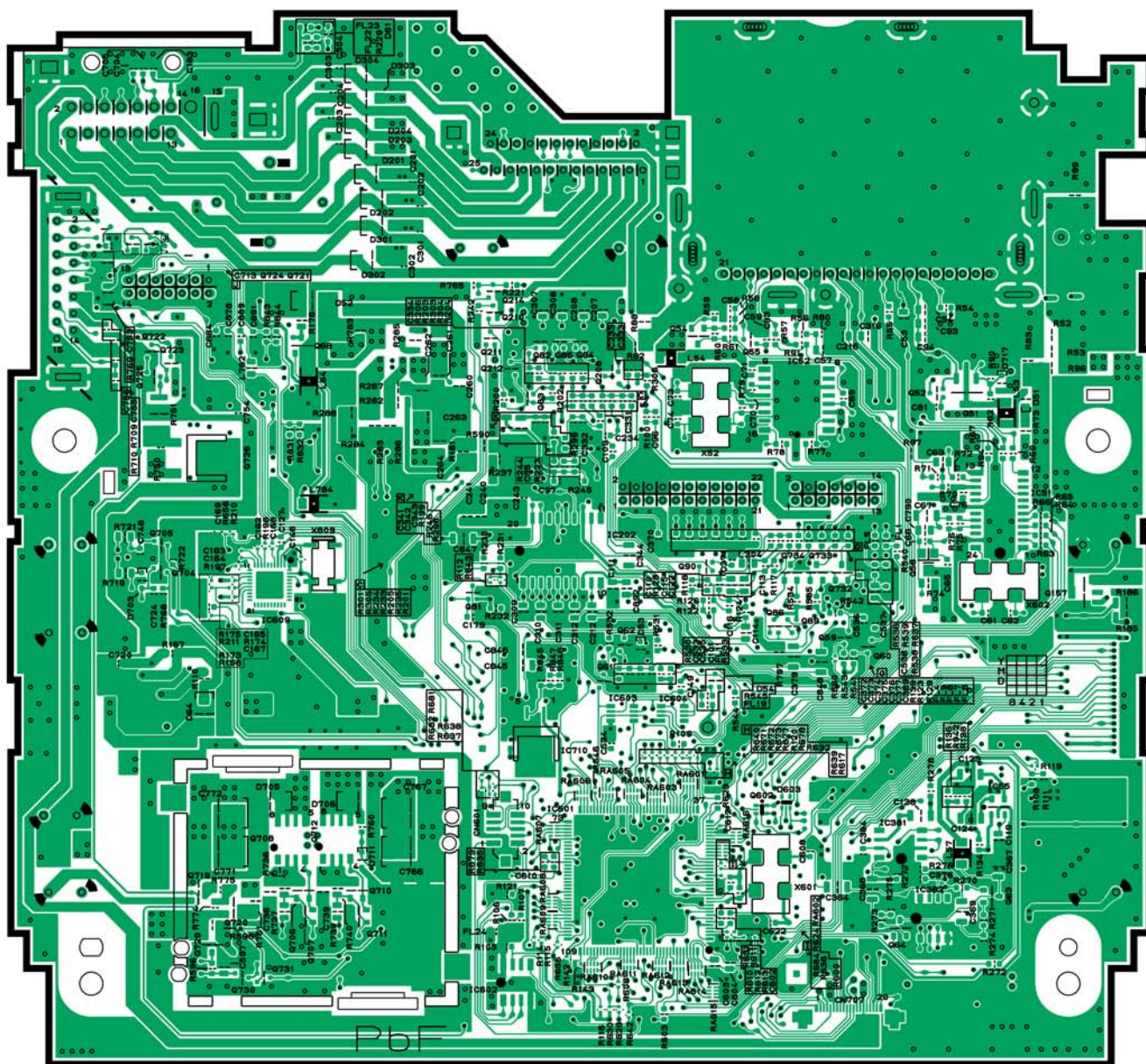
9.1. Main Block (Top View)



[YEAP4C332a] [Top View]

CQ-VX100W/N/U MAIN P.C.B

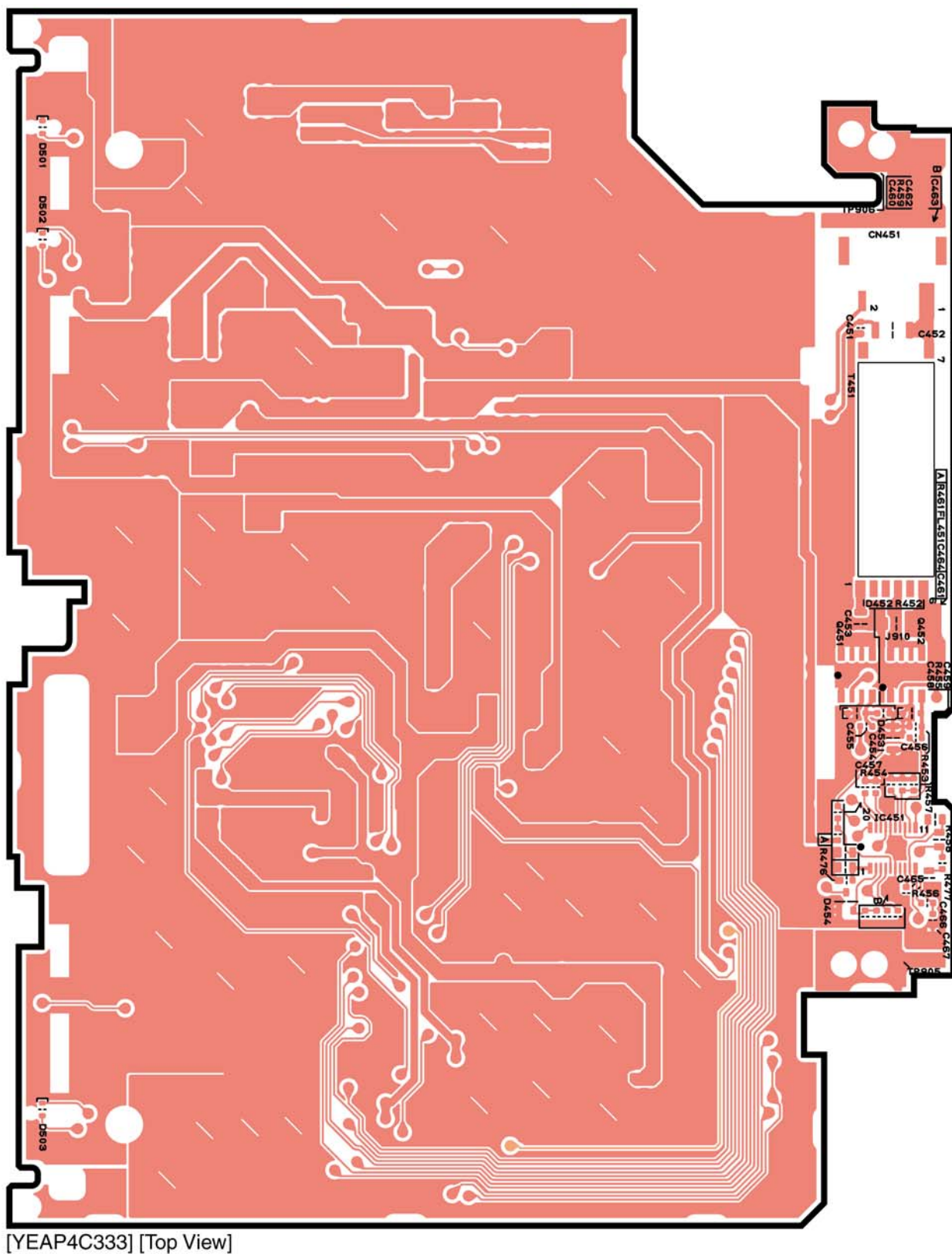
9.2. Main Block (Bottom View)



[YEAP4C332a] [Bottom View]

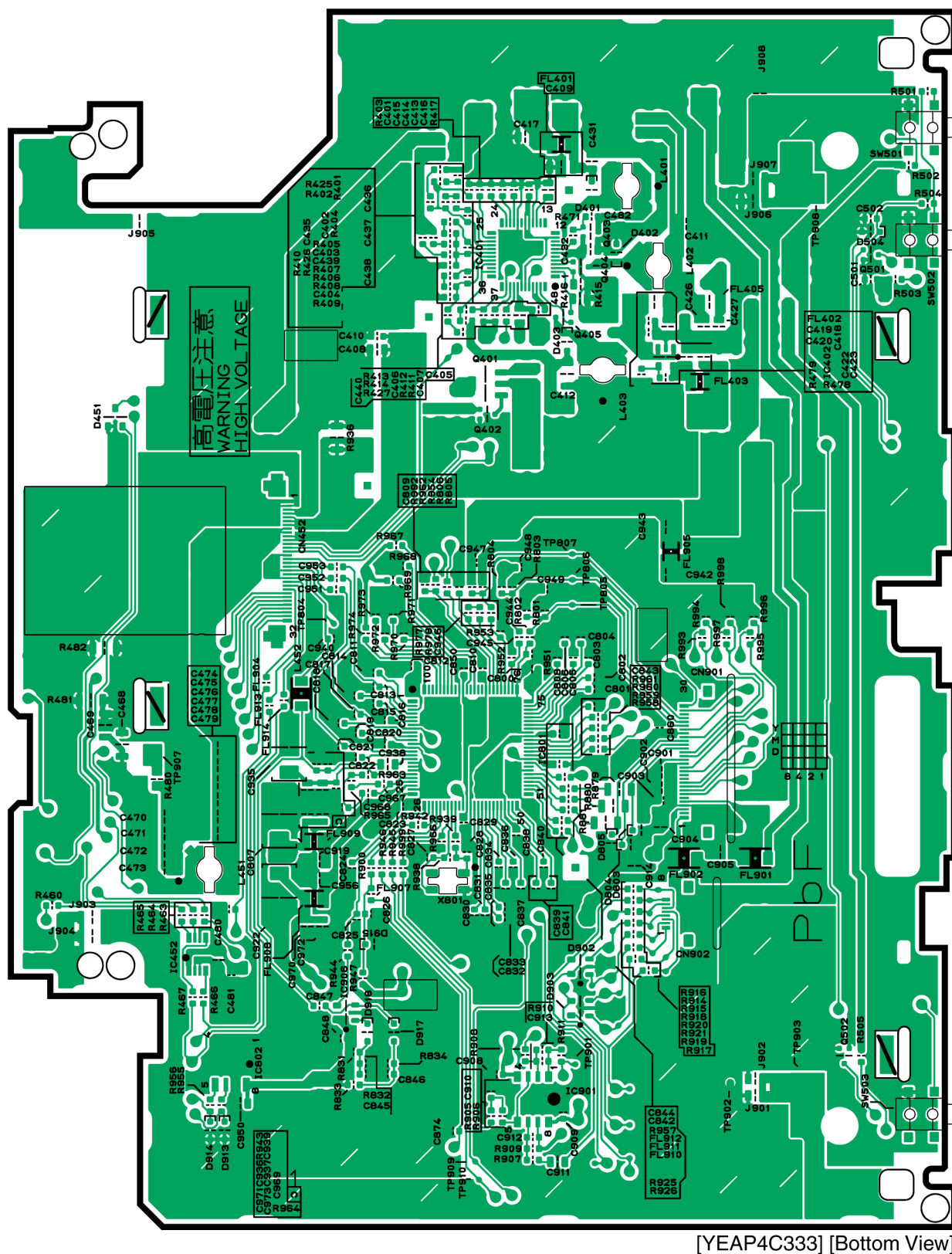
CQ-VX100W/N/U MAIN P.C.B

9.3. TFT Block (Top View)



CQ-VX100W/N/U TFT P.C.B

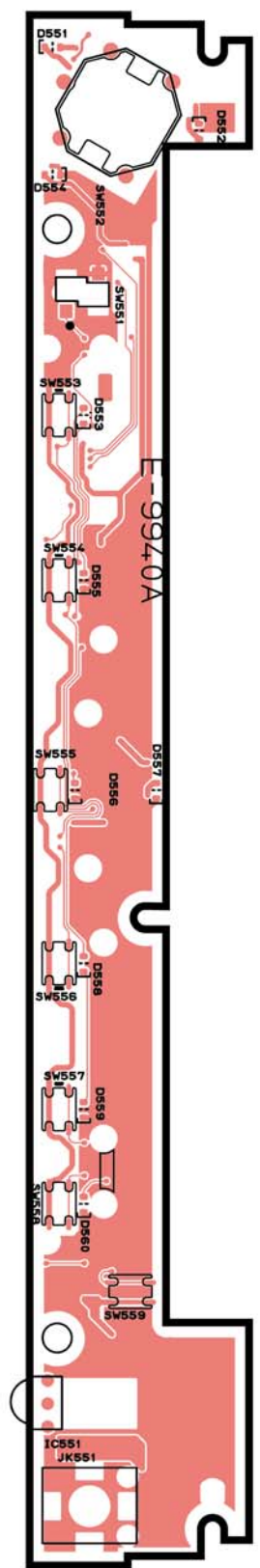
9.4. TFT Block (Bottom View)



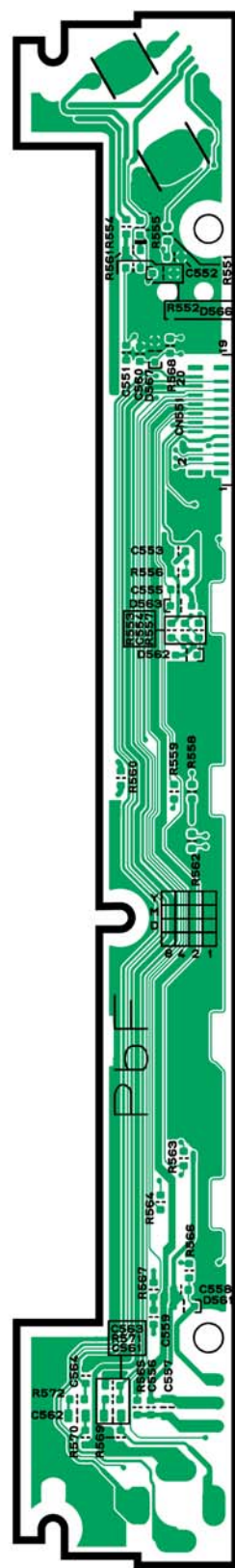
[YEAP4C333] [Bottom View]

CQ-VX100W/N/U TFT P.C.B

9.5. SW Block



[E-9940A] [Top View]

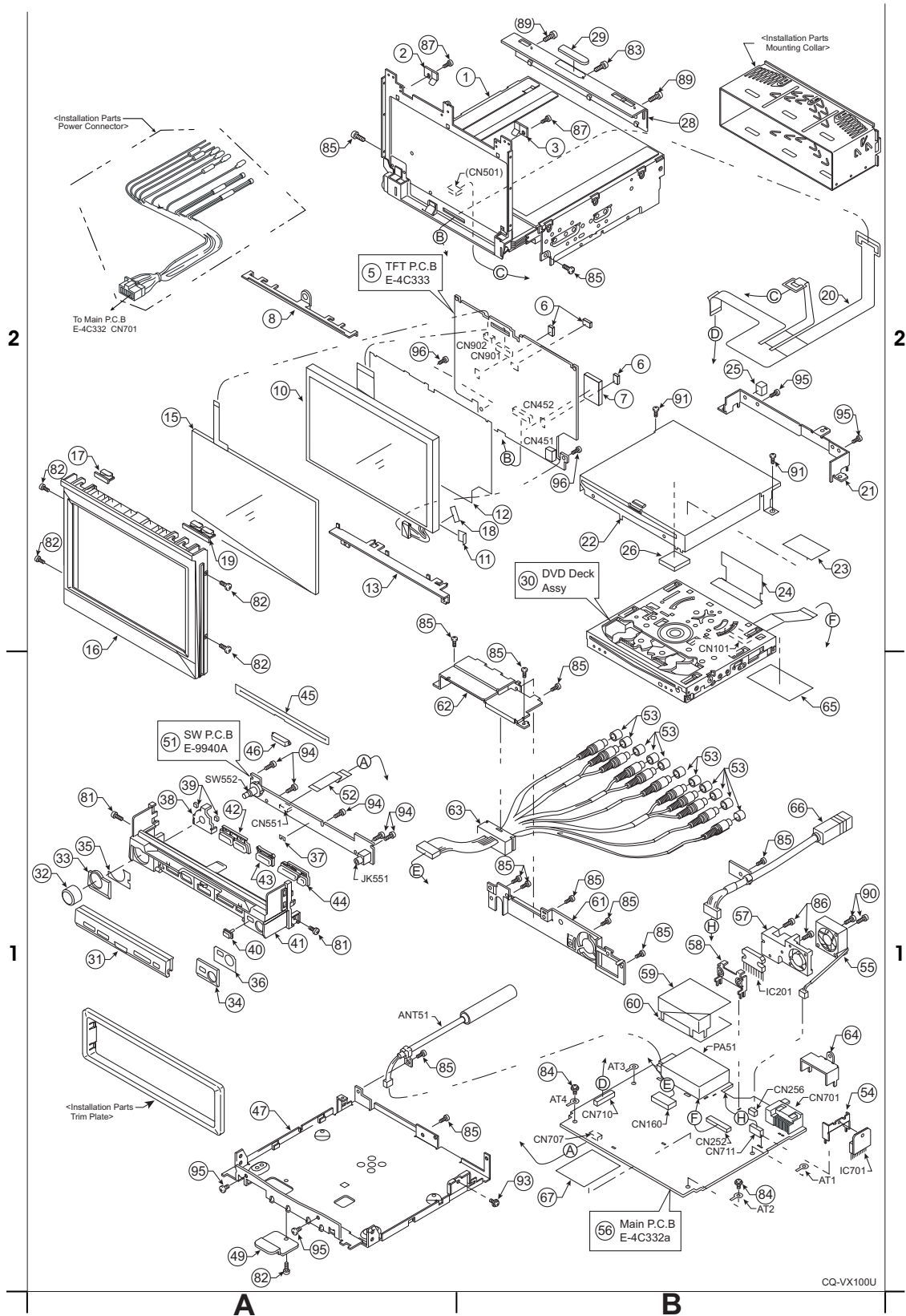


[E-9940A]
[Bottom View]

CQ-VX100W/N/U SW P.C.B

10 Exploded View and Replacement Parts List


10.1. Exploded View (Unit)



CQ-VX100U

10.2. 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  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.
 - Order intake period is basically six months after the first shipment.
5. "T" marks in remarks column are indicated supply parts of PTW.

Ref. No.	Part No.	Part Name & Description	Remarks
[E-4C332a] Main Block			
IC's AND TRANSISTORS			
IC51	C1BB00001045	IC	T
IC53	C0ABBB000105	IC	T
IC54	C0DBEYY00005	IC	T
IC55	C0ABAA000110	IC	T
IC201	C1AA00000779	IC	T
IC202	C1AB00002836	IC	T
IC251	C1AB00000284	IC	T
IC381	C1AB00000163	IC	T
IC382	C1AB00001870	IC	T
IC601	C2DBYY000345	IC	T
IC602	C3FBHY000009	IC	T
IC603	C0JBAZ002217	IC	T
IC604	C0JBAZ002192	IC	T
IC608	C0JBAB000255	IC	T
IC609	C1ZBZ0003800	IC	T
IC701	C0DAZHF00004	IC	T
IC702	C0DBAZC00010	IC	T
IC704	C0EBY0000389	IC	T
IC706	C0DBCFCG00011	IC	T
IC710	C0CBCY000004	IC	T
IC714	C0JBAZ002192	IC	T
PA51	C5BA00000129	Tuner Pack	T
Q151	B1GDCFJJ0008	Transistor	T
Q152	B1GBCFJN0009	Transistor	T
Q154	B1GBCFJN0009	Transistor	T
Q157	B1BDCG000015	Transistor	T
Q208	B1GDCFJJ0008	Transistor	T
Q209	B1GDCFJJ0008	Transistor	T
Q211	B1GDCFJJ0008	Transistor	T
Q212	B1GDCFJJ0008	Transistor	T
Q214	B1GBCFJN0009	Transistor	T
Q51	B1BBAC000014	Transistor	T
Q52	B1GDCFJJ0008	Transistor	T
Q56	B1CBGF000005	Transistor	T
Q61	B1GBCFJN0009	Transistor	T
Q62	B1GBCFJN0009	Transistor	T
Q63	B1ABCF000052	Transistor	T
Q64	B1ABCF000052	Transistor	T
Q68	B1GBJCEJ0003	Transistor	T
Q69	B1GBCFJN0009	Transistor	T
Q73	2SB0709AWL	Transistor	T
Q74	2SD0601AHR	Transistor	T

Ref. No.	Part No.	Part Name & Description	Remarks
Q82	B1GBCFGA0005	Transistor	T
Q83	B1GBCFGA0005	Transistor	T
Q84	B1GBCFGA0005	Transistor	T
Q85	B1GBCFGA0005	Transistor	T
Q88	B1GDCFJJ0008	Transistor	T
Q90	B1GBCFGA0005	Transistor	T
Q601	B1GDCFJN0011	Transistor	T
Q602	B1GHCFEM0002	Transistor	T
Q610	B1GBJCEJ0003	Transistor	T
Q611	B1GBJCEJ0003	Transistor	T
Q612	B1GBCFNN0009	Transistor	T
Q613	B1GBCFNN0009	Transistor	T
Q614	B1GBCFNN0009	Transistor	T
Q615	2SC24040YL	Transistor	T
Q701	B1GBNCEJ0001	Transistor	T
Q702	B1GBCFJN0009	Transistor	T
Q703	B1BBAC000014	Transistor	T
Q704	B1GDCFNN0007	Transistor	T
Q705	B1GBCFJN0009	Transistor	T
Q706	B1ABGE000005	Transistor	T
Q707	B1ADBD000003	Transistor	T
Q708	B1DHDD000039	Transistor	T
Q710	B1ABGE000005	Transistor	T
Q711	B1ADBD000003	Transistor	T
Q712	B1DHDD000039	Transistor	T
Q713	2SD0601AHL	Transistor	T
Q719	B1GBCFJN0009	Transistor	T
Q720	2SB0709AWL	Transistor	T
Q721	B1GBCFJN0009	Transistor	T
Q722	B1GBCFJN0009	Transistor	T
Q723	B1GDCFJJ0008	Transistor	T
Q724	B1GDCFJJ0008	Transistor	T
Q725	B1GBCFJN0009	Transistor	T
Q726	B1BDEL000002	Transistor	T
Q727	B1GBCFJN0009	Transistor	T
Q728	B1GBCFJN0009	Transistor	T
Q729	B1ADBD000003	Transistor	T
Q730	B1GBCFNN0009	Transistor	T
Q731	B1GDCFNN0007	Transistor	T
DIODE's			
D51	B0ACCK000005	Diode	T
D52	B0ECKL000001	Diode	T
D53	B0BC5R600010	Diode	T
D54	B0ADCJ000025	Diode	T
D58	MA2J72900L	Diode	T
D64	B0ECKP000002	Diode	T
D201	YEADRB160LT	Diode	T
D202	YEADRB160LT	Diode	T
D203	YEADRB160LT	Diode	T
D204	YEADRB160LT	Diode	T
D301	YEADRB160LT	Diode	T
D302	YEADRB160LT	Diode	T
D303	YEADRB160LT	Diode	T
D304	YEADRB160LT	Diode	T
D603	B1GFCFJN0013	Transistor	T
D701	B0BA04700003	Diode	T
D702	B0ACCK000005	Diode	T
D703	B0ACCK000005	Diode	T
D705	B0JCPE000004	Diode	T
D706	B0JCPE000004	Diode	T
D711	B0BC3R4A0006	Diode	T
D712	B0ECKP000002	Diode	T
D713	B0ECKP000002	Diode	T
D714	B0ECKP000002	Diode	T
D715	B0JCPE000004	Diode	T
D717	B0BC8R100004	Diode	T
D718	B0ECKL000001	Diode	T
D719	B0JCPE000004	Diode	T
D722	B0BC5R000009	Diode	T
D723	MA2J72900L	Diode	T

Ref. No.	Part No.	Part Name & Description	Remarks
CAPACITORS			
C51	F1H1H470A841	Ceramic 47pF 50WV	T
C53	F1J1H103A733	Ceramic 0.01μF 50WV	T
C54	F1J1H103A733	Ceramic 0.01μF 50WV	T
C57	F1J1H103A733	Ceramic 0.01μF 50WV	T
C58	F1H1H102A842	Ceramic 1000pF 50WV	T
C60	F2G1A101A145	Electrolytic 100μF 10WV	T
C61	F1H1H100A841	Ceramic 10pF 50WV	T
C62	F1H1H100A841	Ceramic 10pF 50WV	T
C63	F1J1H101A732	Ceramic 100pF 50WV	T
C64	F2G1A101A145	Electrolytic 100μF 10WV	T
C65	F1H1H103A842	Ceramic 0.01μF 50WV	T
C66	F1H1E223A011	Ceramic 0.023μF 25WV	T
C67	ECPU1C224MA5	Chip 0.22μF 16WV	T
C75	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C76	F1H1H104A783	Ceramic 0.1μF 50WV	T
C78	F2G1A101A145	Electrolytic 100μF 10WV	T
C80	F2G1A101A145	Electrolytic 100μF 10WV	T
C83	F1H1H101A737	Ceramic 100pF 50WV	T
C85	F2G1A101A145	Electrolytic 100μF 10WV	T
C88	F2G1A101A145	Electrolytic 100μF 10WV	T
C89	F2G1A101A145	Electrolytic 100μF 10WV	T
C90	F2G1A101A145	Electrolytic 100μF 10WV	T
C91	F2G1A101A145	Electrolytic 100μF 10WV	T
C92	F2G1A101A145	Electrolytic 100μF 10WV	T
C93	F1J0J106A038	Ceramic 10μF 6.3WV	T
C94	F1J0J106A038	Ceramic 10μF 6.3WV	T
C98	F1H1H103A842	Ceramic 0.01μF 50WV	T
C99	F1H1C104A005	Ceramic 0.1μF 16WV	T
C100	F2G1C100A210	Electrolytic 10μF 16WV	T
C101	F1H1H104A783	Ceramic 0.1μF 50WV	T
C102	F2G1C100A210	Electrolytic 10μF 16WV	T
C103	F2G1C100A210	Electrolytic 10μF 16WV	T
C104	F2G1C100A210	Electrolytic 10μF 16WV	T
C105	F1H1C104A107	Ceramic 0.1μF 16WV	T
C106	F1K1C106A099	Ceramic 10μF 16WV	T
C107	F1K1C1060001	Ceramic 10μF 16WV	T
C109	F1H1E123A086	Ceramic 0.012μF 25WV	T
C110	F1H1C473A071	Ceramic 0.047μF 16WV	T
C111	F1J1A2250004	Ceramic 2.2μF 10WV	T
C112	F1J1C104A148	Ceramic 0.1μF 16WV	T
C114	F1J0J106A038	Ceramic 10μF 6.3WV	T
C115	F1J1C474A149	Ceramic 0.47μF 16WV	T
C116	F1H1H473A071	Ceramic 0.01μF 50WV	T
C117	F2G1A101A145	Electrolytic 100μF 10WV	T
C118	F1J1C104A148	Ceramic 0.1μF 16WV	T
C119	F1J1C104A148	Ceramic 0.1μF 16WV	T
C120	F1H1C104A005	Ceramic 0.1μF 16WV	T
C121	F2G1C100A210	Electrolytic 10μF 16WV	T
C122	F1J0J106A038	Ceramic 10μF 6.3WV	T
C123	ECUV1C475KBM	Chip 4.7μF 16WV	T
C124	ECUV1C475KBM	Chip 4.7μF 16WV	T
C127	D0GB475JA065	Chip 4.7MΩ	T
C137	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C138	F1K0J2260001	Ceramic 22μF 6.3WV	T
C151	F2A1C2220082	Electrolytic 2200μF 16WV	T
C152	F2G1H2R2A156	Electrolytic 2.2μF 50WV	T
C158	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C161	F2G1H2R2A156	Electrolytic 2.2μF 50WV	T
C162	D0GAR00JA020	Chip 0Ω	T
C163	D0GAR00JA020	Chip 0Ω	T
C164	D0GAR00JA020	Chip 0Ω	T
C165	D0GAR00JA020	Chip 0Ω	T
C167	D0GAR00JA020	Chip 0Ω	T
C168	F1G1A1040006	Ceramic 0.1μF 10WV	T
C169	F1G1A1040006	Ceramic 0.1μF 10WV	T
C181	F1G1A1040006	Ceramic 0.1μF 10WV	T
C205	ECPU1C224MA5	Chip 0.22μF 16WV	T
C206	ECPU1C224MA5	Chip 0.22μF 16WV	T
C207	F1J1H222A733	Ceramic 2200pF 50WV	T
C208	F1J1H222A733	Ceramic 2200pF 50WV	T
C211	F1J1C105A173	Ceramic 1μF 16WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C212	F1J1C105A173	Ceramic 1μF 16WV	T
C214	F1J1C105A173	Ceramic 1μF 16WV	T
C215	F1J1C105A173	Ceramic 1μF 16WV	T
C216	F1J1H223A733	Ceramic 0.022μF 50WV	T
C220	F2A1C2220082	Electrolytic 2200μF 16WV	T
C221	F1J1H103A733	Ceramic 0.01μF 50WV	T
C222	F2G1C470A210	Electrolytic 47μF 16WV	T
C223	F1J1H103A733	Ceramic 0.01μF 50WV	T
C224	F1J1C105A173	Ceramic 1μF 16WV	T
C225	F2G1H1R0A156	Electrolytic 1μF 50WV	T
C230	F2G1C100A210	Electrolytic 10μF 16WV	T
C235	F2G1C100A210	Electrolytic 10μF 16WV	T
C240	F1J0J106A038	Ceramic 10μF 6.3WV	T
C241	F1J0J106A038	Ceramic 10μF 6.3WV	T
C242	F2G1A101A145	Electrolytic 100μF 10WV	T
C243	F1H1H104A783	Ceramic 0.1μF 50WV	T
C244	F2G1A101A145	Electrolytic 100μF 10WV	T
C250	F2A1C2220082	Electrolytic 2200μF 16WV	T
C260	F1K1C106A099	Ceramic 10μF 16WV	T
C261	F1K1C106A099	Ceramic 10μF 16WV	T
C262	F1K1C106A099	Ceramic 10μF 16WV	T
C263	F1K1C106A099	Ceramic 10μF 16WV	T
C264	F1K1C106A099	Ceramic 10μF 16WV	T
C305	ECPU1C224MA5	Chip 0.22μF 16WV	T
C306	ECPU1C224MA5	Chip 0.22μF 16WV	T
C307	F1J1H222A733	Ceramic 2200pF 50WV	T
C308	F1J1H222A733	Ceramic 2200pF 50WV	T
C309	F1J1C105A173	Ceramic 1μF 16WV	T
C310	F1J1C105A173	Ceramic 1μF 16WV	T
C311	F1J1C105A173	Ceramic 1μF 16WV	T
C312	F1J1C105A173	Ceramic 1μF 16WV	T
C316	F1J1H223A733	Ceramic 0.022μF 50WV	T
C331	F1H1E123A086	Ceramic 0.012μF 25WV	T
C332	F1H1C473A071	Ceramic 0.047μF 16WV	T
C346	F1K1C1060001	Ceramic 10μF 16WV	T
C347	F1K1C1060001	Ceramic 10μF 16WV	T
C348	F1K1C1060001	Ceramic 10μF 16WV	T
C349	F1K1C1060001	Ceramic 10μF 16WV	T
C350	F1K1C1060001	Ceramic 10μF 16WV	T
C351	F1K1C1060001	Ceramic 10μF 16WV	T
C352	F1H1C104A005	Ceramic 0.1μF 16WV	T
C353	F1H1C104A005	Ceramic 0.1μF 16WV	T
C354	F1K1C1060001	Ceramic 10μF 16WV	T
C355	F1K1C1060001	Ceramic 10μF 16WV	T
C356	F1K1C1060001	Ceramic 10μF 16WV	T
C357	F2G1C470A210	Electrolytic 47μF 16WV	T
C358	F2G1C470A210	Electrolytic 47μF 16WV	T
C359	F1H1C104A005	Ceramic 0.1μF 16WV	T
C360	F1H1C104A005	Ceramic 0.1μF 16WV	T
C361	F1H1C104A005	Ceramic 0.1μF 16WV	T
C362	F1K1C1060001	Ceramic 10μF 16WV	T
C363	F1H1C104A005	Ceramic 0.1μF 16WV	T
C364	F1K1C1060001	Ceramic 10μF 16WV	T
C365	F1H1C104A005	Ceramic 0.1μF 16WV	T
C366	F1H1C104A005	Ceramic 0.1μF 16WV	T
C367	F1K1C1060001	Ceramic 10μF 16WV	T
C368	F1K0J4750001	Ceramic 4.7μF 6.3WV	T
C369	F1K0J4750001	Ceramic 4.7μF 6.3WV	T
C372	F1H1H221A841	Ceramic 220pF 50WV	T
C373	F1H1H221A841	Ceramic 220pF 50WV	T
C374	F1H1H221A841	Ceramic 220pF 50WV	T
C375	F1H1H221A841	Ceramic 220pF 50WV	T
C376	F1H1H221A841	Ceramic 220pF 50WV	T
C377	F1H1H221A841	Ceramic 220pF 50WV	T
C378	F1H1H104A783	Ceramic 0.1μF 50WV	T
C379	F1K1C1060001	Ceramic 10μF 16WV	T
C382	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C383	F2G1C470A210	Electrolytic 47μF 16WV	T
C384	F1H1H104A783	Ceramic 0.1μF 50WV	T
C385	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C386	F2G1C100A210	Electrolytic 10μF 16WV	T
C387	F1K0J2260001	Ceramic 22μF 6.3WV	T
C395	F1H1H104A783	Ceramic 0.1μF 50WV	T
C532	F1K1C1060001	Ceramic 10μF 16WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C533	F1H1H104A783	Ceramic 0.1μF 50WV	T
C534	F1H1H330A841	Ceramic 33pF 50WV	T
C535	F1H1H104A783	Ceramic 0.1μF 50WV	T
C539	F1H1C104A005	Ceramic 0.1μF 16WV	T
C560	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C561	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C596	F1J0J106A038	Ceramic 10μF 6.3WV	T
C597	F1J1C105A173	Ceramic 1μF 16WV	T
C601	F1G1C103A073	Ceramic 0.01μF 16WV	T
C602	F1G1C103A073	Ceramic 0.01μF 16WV	T
C603	F1J1H103A733	Ceramic 0.01μF 50WV	T
C604	F1J1H103A733	Ceramic 0.01μF 50WV	T
C605	F2G0J220A167	Electrolytic 22μF 6.3WV	T
C606	F2G0J220A167	Electrolytic 22μF 6.3WV	T
C607	F1G1A1040006	Ceramic 0.1μF 10WV	T
C608	F1H1H120A841	Ceramic 12pF 50WV	T
C609	F1G1A1040006	Ceramic 0.1μF 10WV	T
C610	F1G1A1040006	Ceramic 0.1μF 10WV	T
C611	F1G1A1040006	Ceramic 0.1μF 10WV	T
C612	F1G1A1040006	Ceramic 0.1μF 10WV	T
C613	F1J1C105A173	Ceramic 1μF 16WV	T
C614	F1G1A1040006	Ceramic 0.1μF 10WV	T
C615	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C616	F2G0G101A037	Electrolytic 100μF 4WV	T
C617	F2G0G101A037	Electrolytic 100μF 4WV	T
C618	F1J1H103A733	Ceramic 0.01μF 50WV	T
C619	F1J1C105A173	Ceramic 1μF 16WV	T
C620	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C621	F2G1A101A145	Electrolytic 100μF 10WV	T
C622	F1H1H150A841	Ceramic 15pF 50WV	T
C623	ECUV1C475KBM	Chip 4.7μF 16WV	T
C624	F1G1A1040006	Ceramic 0.1μF 10WV	T
C701	F2A1C2220082	Electrolytic 2200μF 16WV	T
C707	F1H1H104A783	Ceramic 0.1μF 50WV	T
C708	F2G1C100A210	Electrolytic 10μF 16WV	T
C709	F2A1C681B400	Electrolytic 680μF 16WV	T
C710	F2G1A101A145	Electrolytic 100μF 10WV	T
C711	F2G1A101A145	Electrolytic 100μF 10WV	T
C712	F2G1C100A210	Electrolytic 10μF 16WV	T
C713	F1H1H104A783	Ceramic 0.1μF 50WV	T
C715	F1H1H103A842	Ceramic 0.01μF 50WV	T
C716	F1H1A224A007	Ceramic 0.22μF 10WV	T
C717	F2A1C2220082	Electrolytic 2200μF 16WV	T
C718	F2G1C100A210	Electrolytic 10μF 16WV	T
C720	F1H1C104A005	Ceramic 0.1μF 16WV	T
C721	F2A1C102B401	Electrolytic 1000μF 16WV	T
C724	F1H1H104A783	Ceramic 0.1μF 50WV	T
C726	F1H1E223A011	Ceramic 0.023μF 25WV	T
C727	F2G1H1R0A156	Electrolytic 1μF 50WV	T
C728	F1H1H221A841	Ceramic 220pF 50WV	T
C729	F1H1H222A842	Ceramic 2200pF 50WV	T
C730	F1J1C104A148	Ceramic 0.1μF 16WV	T
C731	F2A1C102B401	Electrolytic 1000μF 16WV	T
C733	F1J1C104A148	Ceramic 0.1μF 16WV	T
C734	F1H1H472A842	Ceramic 4700pF 50WV	T
C735	F1H1A1050019	Ceramic 1μF 10WV	T
C736	F1K1C1060001	Ceramic 10μF 16WV	T
C737	F2H0G101A018	Electrolytic 100μF 4WV	T
C738	F1H1H122A842	Ceramic 1200pF 50WV	T
C739	F1K1C1060001	Ceramic 10μF 16WV	T
C740	F2H0J101A029	Electrolytic 100μF 6.3WV	T
C741	F1H1H122A842	Ceramic 1200pF 50WV	T
C742	F2G1C470A210	Electrolytic 47μF 16WV	T
C743	F1H1H104A783	Ceramic 0.1μF 50WV	T
C748	F1H1H104A783	Ceramic 0.1μF 50WV	T
C751	F2H1C100A021	Electrolytic 10μF 16WV	T
C753	F1J1C104A148	Ceramic 0.1μF 16WV	T
C754	F1H1H104A783	Ceramic 0.1μF 50WV	T
C755	F1H1H104A783	Ceramic 0.1μF 50WV	T
C756	F1H1H104A783	Ceramic 0.1μF 50WV	T
C757	F1H1H104A783	Ceramic 0.1μF 50WV	T
C758	F1J1C104A148	Ceramic 0.1μF 16WV	T
C759	F1J1C104A148	Ceramic 0.1μF 16WV	T
C760	F2G0J101A166	Electrolytic 100μF 6.3WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C761	F2G1C470A210	Electrolytic 47μF 16WV	T
C763	EEFUD0J101R	Electrolytic 100μF 6.3WV	T
C764	F1J0J106A038	Ceramic 10μF 6.3WV	T
C768	EEFUD0J101R	Electrolytic 100μF 6.3WV	T
C769	F1J0J106A038	Ceramic 10μF 6.3WV	T
C791	F2H0G101A018	Electrolytic 100μF 4WV	T
C792	F2H0G101A018	Electrolytic 100μF 4WV	T
C793	F2H0G101A018	Electrolytic 100μF 4WV	T
C799	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C841	F1K1C1060001	Ceramic 10μF 16WV	T
C842	F1H1C104A005	Ceramic 0.1μF 16WV	T
C843	F1K1C225A069	Ceramic 2.2μF 16WV	T
C844	EEFEC1C100R	Electrolytic 10μF 16WV	T
C845	F1K1C334A023	Ceramic 0.33μF 16WV	T
C846	F1K1E334A070	Ceramic 0.33μF 25WV	T
C847	F1K1C1060001	Ceramic 10μF 16WV	T
C848	F1K1C1060001	Ceramic 10μF 16WV	T
C877	F2G0J101A166	Electrolytic 100μF 6.3WV	T
C892	F1J1A225A063	Ceramic 2.2μF 10WV	T
RESISTORS			
L780	D0GDR00JA017	Chip 0Ω 1/8W	T
R51	D0GB5R6JA065	Chip 5.6Ω 1/10W	T
R52	D0YFR00J0001	Chip 0Ω	T
R53	D0YFR00J0001	Chip 0Ω	T
R54	D0GB101JA008	Chip 100Ω 1/10W	T
R55	D0GB101JA008	Chip 100Ω 1/10W	T
R56	D0GB822JA008	Chip 8.2kΩ 1/10W	T
R57	D0GBR00JA008	Chip 0Ω 1/10W	T
R58	D0GB393JA008	Chip 39kΩ 1/10W	T
R62	D0GB271JA008	Chip 270Ω 1/10W	T
R63	D0GB222JA008	Chip 2.2kΩ 1/10W	T
R64	D0GB222JA008	Chip 2.2kΩ 1/10W	T
R65	D0GB222JA008	Chip 2.2kΩ 1/10W	T
R66	D0GB221JA008	Chip 220Ω 1/10W	T
R69	D0GB101JA008	Chip 100Ω 1/10W	T
R70	D0GB473JA008	Chip 47kΩ 1/10W	T
R71	D0GB473JA008	Chip 47kΩ 1/10W	T
R72	D0GB222JA008	Chip 2.2kΩ 1/10W	T
R73	D0GD100JA017	Chip 10Ω 1/8W	T
R74	D0GD561JA017	Chip 560Ω 1/8W	T
R75	D0GB152JA008	Chip 1.5kΩ 1/10W	T
R76	D0GB182JA008	Chip 1.8kΩ 1/10W	T
R80	D0GB333JA008	Chip 33kΩ 1/10W	T
R81	D0YFR00J0001	Chip 0Ω	T
R82	D0GDR00JA017	Chip 0Ω 1/8W	T
R83	D0GDR00JA017	Chip 0Ω 1/8W	T
R84	D0YFR00J0001	Chip 0Ω	T
R88	D0YFR00J0001	Chip 0Ω	T
R91	D0GB104JA008	Chip 100kΩ 1/10W	T
R94	D0GB101JA008	Chip 100Ω 1/10W	T
R95	D0YFR00J0001	Chip 0Ω	T
R97	D0YFR00J0001	Chip 0Ω	T
R101	D0GB102JA008	Chip 1kΩ 1/10W	T
R102	D0GB221JA008	Chip 220Ω 1/10W	T
R103	D0GB221JA008	Chip 220Ω 1/10W	T
R105	D0GB472JA008	Chip 4.7kΩ 1/10W	T
R106	D0GB472JA008	Chip 4.7kΩ 1/10W	T
R107	D0GB472JA008	Chip 4.7kΩ 1/10W	T
R109	D0GBR00JA008	Chip 0Ω 1/10W	T
R110	D0GD4R7JA056	Chip 4.7Ω	T
R112	D0GA472JA012	Chip 4.7kΩ	T
R114	D0GA103JA012	Chip 10kΩ	T
R115	D0GA103JA012	Chip 10kΩ	T
R116	D0GA103JA012	Chip 10kΩ	T
R120	D0GA102JA012	Chip 1kΩ	T
R122	D0GB473JA008	Chip 47kΩ 1/10W	T
R130	D0YFR00J0001	Chip 0Ω	T
R131	D0YFR00J0001	Chip 0Ω	T
R132	D1BD1213A066	Chip 121kΩ	T
R133	D1BD3902A066	Chip 39kΩ	T
R136	D0GB101JA008	Chip 100Ω 1/10W	T
R137	D0GB103JA008	Chip 10kΩ 1/10W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R138	D0GB101JA008	Chip 100Ω 1/10W	T
R140	D0GB103JA008	Chip 10kΩ 1/10W	T
R141	D0GB103JA008	Chip 10kΩ 1/10W	T
R144	D0GB122JA008	Chip 1.2kΩ 1/10W	T
R149	D0GA103JA012	Chip 10kΩ	T
R150	D0GA103JA012	Chip 10kΩ	T
R156	D0YFR00J0001	Chip 0Ω	T
R157	D0YFR00J0001	Chip 0Ω	T
R158	D0GA472JA012	Chip 4.7kΩ	T
R167	D0GB682JA008	Chip 6.8kΩ 1/10W	T
R173	D1BB1003A056	Chip 100kΩ	T
R174	D0GA221JA020	Chip 220Ω	T
R175	D0GAR00JA020	Chip 0Ω	T
R177	D0GDR00JA017	Chip 0Ω 1/8W	T
R178	D0GD4R7JA056	Chip 4.7Ω	T
R179	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R180	D0GF272JA017	Chip 2.7kΩ 1/8W	T
R181	D0GDR00JA017	Chip 0Ω 1/8W	T
R185	D0YFR00J0001	Chip 0Ω	T
R186	D0YFR00J0001	Chip 0Ω	T
R188	D0GB271JA008	Chip 270Ω 1/10W	T
R197	D0GAR00JA020	Chip 0Ω	T
R198	D0GA221JA020	Chip 220Ω	T
R200	D0GB271JA008	Chip 270Ω 1/10W	T
R201	D0GB181JA008	Chip 180Ω 1/10W	T
R202	D0GB181JA008	Chip 180Ω 1/10W	T
R203	D0GB103JA008	Chip 10kΩ 1/10W	T
R204	D0GB103JA008	Chip 10kΩ 1/10W	T
R205	D0GBR00JA008	Chip 0Ω 1/10W	T
R206	D0GBR00JA008	Chip 0Ω 1/10W	T
R207	D0GB272JA008	Chip 2.7kΩ 1/10W	T
R208	D0GB272JA008	Chip 2.7kΩ 1/10W	T
R210	D0GA472JA012	Chip 4.7kΩ	T
R211	D0GA472JA012	Chip 4.7kΩ	T
R214	D0GD561JA017	Chip 560Ω 1/8W	T
R215	D0GD561JA017	Chip 560Ω 1/8W	T
R221	D0GB103JA008	Chip 10kΩ 1/10W	T
R222	D0GDR00JA017	Chip 0Ω 1/8W	T
R226	D0YFR00J0001	Chip 0Ω	T
R230	D0GB221JA008	Chip 220Ω 1/10W	T
R231	D0GB221JA008	Chip 220Ω 1/10W	T
R232	D0GB223JA008	Chip 22kΩ 1/10W	T
R233	D0GB183JA008	Chip 18kΩ 1/10W	T
R234	D0GB183JA008	Chip 18kΩ 1/10W	T
R235	D0GB103JA008	Chip 10kΩ 1/10W	T
R236	D0GB103JA008	Chip 10kΩ 1/10W	T
R239	D0GF131JA048	Chip 130Ω	T
R242	D0GB472JA008	Chip 4.7kΩ 1/10W	T
R249	D0GB750JA008	Chip 75Ω 1/10W	T
R250	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R251	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R252	D0GB221JA008	Chip 220Ω 1/10W	T
R253	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R254	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R255	D0GB221JA008	Chip 220Ω 1/10W	T
R256	D0GB221JA008	Chip 220Ω 1/10W	T
R257	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R258	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R259	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R260	D0GB221JA008	Chip 220Ω 1/10W	T
R261	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R262	D0GB750JA008	Chip 75Ω 1/10W	T
R267	D0GB221JA008	Chip 220Ω 1/10W	T
R268	D0GB221JA008	Chip 220Ω 1/10W	T
R269	D0GB221JA008	Chip 220Ω 1/10W	T
R270	D0GB101JA008	Chip 100Ω 1/10W	T
R271	D0GB511JA008	Chip 510Ω 1/10W	T
R272	D0GB101JA008	Chip 100Ω 1/10W	T
R273	D0GB511JA008	Chip 510Ω 1/10W	T
R274	D0GB511JA008	Chip 510Ω 1/10W	T
R275	D0GB511JA008	Chip 510Ω 1/10W	T
R276	D0GB105JA008	Chip 1MΩ 1/10W	T
R277	D0GB105JA008	Chip 1MΩ 1/10W	T
R278	D0GB750JA008	Chip 75Ω 1/10W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R279	D0GB750JA008	Chip 75Ω 1/10W	T
R280	D0GB750JA008	Chip 75Ω 1/10W	T
R281	D0GB473JA008	Chip 47kΩ 1/10W	T
R282	D0YFR00J0001	Chip 0Ω	T
R284	D0YFR00J0001	Chip 0Ω	T
R285	D0YFR00J0001	Chip 0Ω	T
R287	D0YFR00J0001	Chip 0Ω	T
R288	D0YFR00J0001	Chip 0Ω	T
R289	D0GB750JA008	Chip 75Ω 1/10W	T
R290	D0GBR00JA008	Chip 0Ω 1/10W	T
R291	D0GBR00JA008	Chip 0Ω 1/10W	T
R292	D0GB473JA008	Chip 47kΩ 1/10W	T
R293	D0GB473JA008	Chip 47kΩ 1/10W	T
R294	D0GB473JA008	Chip 47kΩ 1/10W	T
R298	D0GBR00JA008	Chip 0Ω 1/10W	T
R301	D0GB181JA008	Chip 180Ω 1/10W	T
R302	D0GB181JA008	Chip 180Ω 1/10W	T
R303	D0GB103JA008	Chip 10kΩ 1/10W	T
R304	D0GB103JA008	Chip 10kΩ 1/10W	T
R305	D0GBR00JA008	Chip 0Ω 1/10W	T
R306	D0GBR00JA008	Chip 0Ω 1/10W	T
R314	D0GD561JA017	Chip 560Ω 1/8W	T
R315	D0GD561JA017	Chip 560Ω 1/8W	T
R383	D0GBR00JA008	Chip 0Ω 1/10W	T
R392	D0GBR00JA008	Chip 0Ω 1/10W	T
R395	D0GBR00JA008	Chip 0Ω 1/10W	T
R530	D0GB103JA008	Chip 10kΩ 1/10W	T
R531	D0GB101JA008	Chip 100Ω 1/10W	T
R532	D0GB103JA008	Chip 10kΩ 1/10W	T
R533	D0GB103JA008	Chip 10kΩ 1/10W	T
R541	D0GB473JA008	Chip 47kΩ 1/10W	T
R543	D0GB473JA008	Chip 47kΩ 1/10W	T
R544	D0GB184JA008	Chip 180kΩ 1/10W	T
R545	D0GB471JA008	Chip 470Ω 1/10W	T
R570	D0YFR00J0001	Chip 0Ω	T
R571	D0YFR00J0001	Chip 0Ω	T
R590	D0YFR00J0001	Chip 0Ω	T
R595	MCR10EZHF SR0	Chip 0.047Ω 1/8W	T
R596	D0GB102JA008	Chip 1kΩ 1/10W	T
R597	D0GF272JA017	Chip 2.7kΩ 1/8W	T
R598	D0GF272JA017	Chip 2.7kΩ 1/8W	T
R601	D0GAR00JA020	Chip 0Ω	T
R602	D1BB1002A012	Chip 10kΩ	T
R603	D1BB1002A012	Chip 10kΩ	T
R604	D1BB1002A012	Chip 10kΩ	T
R605	D1BB1002A012	Chip 10kΩ	T
R606	D0GA102JA012	Chip 1kΩ	T
R607	D0GA103JA012	Chip 10kΩ	T
R608	D0GA101JA012	Chip 100Ω	T
R609	D0GA102JA012	Chip 1kΩ	T
R610	D0GAR00JA020	Chip 0Ω	T
R611	D0GB102JA008	Chip 1kΩ 1/10W	T
R612	D0GA101JA012	Chip 100Ω	T
R613	D0GA473JA012	Chip 47kΩ	T
R614	D0GAR00JA020	Chip 0Ω	T
R615	D0GA101JA012	Chip 100Ω	T
R616	D0GA102JA012	Chip 1kΩ	T
R617	D0GA102JA012	Chip 1kΩ	T
R618	D0GB102JA008	Chip 1kΩ 1/10W	T
R619	D0GA222JA020	Chip 2.2kΩ	T
R620	D0GA102JA012	Chip 1kΩ	T
R621	D0GA470JA020	Chip 47Ω	T
R622	D0GB470JA008	Chip 47Ω 1/10W	T
R623	D0GB102JA008	Chip 1kΩ 1/10W	T
R624	D0GA472JA012	Chip 4.7kΩ	T
R625	D0GA103JA012	Chip 10kΩ	T
R626	D0GA221JA020	Chip 220Ω	T
R627	D0GA221JA020	Chip 220Ω	T
R628	D0GA221JA020	Chip 220Ω	T
R629	D0GB221JA008	Chip 220Ω 1/10W	T
R630	D0GA472JA012	Chip 4.7kΩ	T
R631	D0GBR00JA008	Chip 0Ω 1/10W	T
R632	D0GA472JA012	Chip 4.7kΩ	T
R634	D0GA221JA020	Chip 220Ω	T

Ref. No.	Part No.	Part Name & Description	Remarks
R635	D0GB103JA008	Chip 10kΩ 1/10W	T
R636	D0GB102JA008	Chip 1kΩ 1/10W	T
R637	D0GA473JA012	Chip 47kΩ	T
R638	D0GA473JA012	Chip 47kΩ	T
R639	D0GA472JA012	Chip 4.7kΩ	T
R640	D0GA102JA012	Chip 1kΩ	T
R641	D0GA102JA012	Chip 1kΩ	T
R642	D0GA103JA012	Chip 10kΩ	T
R643	D0GA221JA020	Chip 220Ω	T
R644	D0GA473JA012	Chip 47kΩ	T
R645	D0GA184JA012	Chip 180kΩ	T
R646	D0GA102JA012	Chip 1kΩ	T
R647	D0GB103JA008	Chip 10kΩ 1/10W	T
R648	D0GB103JA008	Chip 10kΩ 1/10W	T
R649	D0GB103JA008	Chip 10kΩ 1/10W	T
R650	D0GB563JA008	Chip 56kΩ 1/10W	T
R651	D0GB563JA008	Chip 56kΩ 1/10W	T
R652	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R653	D0GA102JA012	Chip 1kΩ	T
R654	D0GB472JA008	Chip 4.7kΩ 1/10W	T
R655	D0GA102JA012	Chip 1kΩ	T
R656	D0GA472JA012	Chip 4.7kΩ	T
R657	D0GA472JA012	Chip 4.7kΩ	T
R658	D0GB221JA008	Chip 220Ω 1/10W	T
R669	D0YFR00J0001	Chip 0Ω	T
R670	D0GA102JA012	Chip 1kΩ	T
R671	D0GA102JA012	Chip 1kΩ	T
R672	D0GA102JA012	Chip 1kΩ	T
R673	D0GA102JA012	Chip 1kΩ	T
R674	D0GA102JA012	Chip 1kΩ	T
R675	D0GA102JA012	Chip 1kΩ	T
R676	D0GA102JA012	Chip 1kΩ	T
R677	D0GA102JA012	Chip 1kΩ	T
R678	D0GA102JA012	Chip 1kΩ	T
R679	D0GB101JA008	Chip 100Ω 1/10W	T
R680	D0GA102JA012	Chip 1kΩ	T
R681	D0GA101JA012	Chip 100Ω	T
R682	D0GA473JA012	Chip 47kΩ	T
R684	D0GA473JA012	Chip 47kΩ	T
R701	D0GDR00JA017	Chip 0Ω 1/8W	T
R702	D0GDR00JA017	Chip 0Ω 1/8W	T
R703	D0GF332JA017	Chip 3.3kΩ 1/8W	T
R704	D0GB823JA008	Chip 82kΩ 1/10W	T
R705	D0GB102JA008	Chip 1kΩ 1/10W	T
R706	D0GB102JA008	Chip 1kΩ 1/10W	T
R708	D0GB102JA008	Chip 1kΩ 1/10W	T
R709	D0GB512JA008	Chip 5.1kΩ 1/10W	T
R711	D1BB4702A012	Chip 47kΩ	T
R712	D0GB823JA008	Chip 82kΩ 1/10W	T
R713	D0GB304JA008	Chip 300kΩ 1/10W	T
R716	D0GB472JA008	Chip 4.7kΩ 1/10W	T
R717	D0GBR00JA008	Chip 0Ω 1/10W	T
R719	D0GD471JA017	Chip 470Ω 1/8W	T
R721	D0GD471JA017	Chip 470Ω 1/8W	T
R722	D0GB473JA008	Chip 47kΩ 1/10W	T
R723	D0GB393JA008	Chip 39kΩ 1/10W	T
R724	D0GB333JA008	Chip 33kΩ 1/10W	T
R725	D0GB222JA008	Chip 2.2kΩ 1/10W	T
R726	D0GB102JA008	Chip 1kΩ 1/10W	T
R727	D0GB223JA008	Chip 22kΩ 1/10W	T
R728	D1BD1802A030	Chip 18kΩ 1/8W	T
R729	D1BD1002A030	Chip 10kΩ 1/8W	T
R730	D1BD1002A030	Chip 10kΩ 1/8W	T
R731	D1BD6202A030	Chip 62kΩ 1/8W	T
R732	D0GD393JA017	Chip 39kΩ 1/8W	T
R733	D0GD393JA017	Chip 39kΩ 1/8W	T
R734	D0GD563JA017	Chip 56kΩ 1/8W	T
R735	D1BD1002A030	Chip 10kΩ 1/8W	T
R736	D1BD1002A030	Chip 10kΩ 1/8W	T
R737	D0GD510JA017	Chip 51Ω 1/8W	T
R738	D0GD331JA017	Chip 330Ω 1/8W	T
R739	D0GD510JA017	Chip 51Ω 1/8W	T
R740	D0GD331JA017	Chip 330Ω 1/8W	T
R741	D1BB1501A012	Chip 1.5kΩ	T

Ref. No.	Part No.	Part Name & Description	Remarks
R742	D1BB1502A012	Chip 15kΩ	T
R743	D1BB1002A012	Chip 10kΩ	T
R744	D0GB332JA008	Chip 3.3kΩ 1/10W	T
R745	D1BB3301A012	Chip 3.3kΩ	T
R746	D1BB2702A012	Chip 27kΩ	T
R747	D1BB1002A012	Chip 10kΩ	T
R748	D0GB332JA008	Chip 3.3kΩ 1/10W	T
R750	D0GB562JA008	Chip 5.6kΩ 1/10W	T
R751	D0GN821JA005	Chip 820Ω 1/2W	T
R760	D0GB332JA008	Chip 3.3kΩ 1/10W	T
R761	D0GD100JA017	Chip 10Ω 1/8W	T
R762	D0GB223JA008	Chip 22kΩ 1/10W	T
R763	D0GB223JA008	Chip 22kΩ 1/10W	T
R765	D0GB183JA008	Chip 18kΩ 1/10W	T
R768	D0GB103JA008	Chip 10kΩ 1/10W	T
R769	D0GD103JA017	Chip 10kΩ 1/8W	T
R770	D0GB103JA008	Chip 10kΩ 1/10W	T
R771	D0GDR00JA017	Chip 0Ω 1/8W	T
R773	D1BB2203A012	Chip 220kΩ	T
R774	D0GB103JA008	Chip 10kΩ 1/10W	T
R775	D0GB103JA008	Chip 10kΩ 1/10W	T
R783	D0GDR00JA017	Chip 0Ω 1/8W	T
R796	D0GD222JA017	Chip 2.2kΩ 1/8W	T
R797	D0GDR00JA017	Chip 0Ω 1/8W	T
R831	D0GB104JA008	Chip 100kΩ 1/10W	T
R832	D0GB104JA008	Chip 100kΩ 1/10W	T
R833	D0GB104JA008	Chip 100kΩ 1/10W	T
R834	D0GB104JA008	Chip 100kΩ 1/10W	T
R835	D0GB104JA008	Chip 100kΩ 1/10W	T
R836	D0GB102JA008	Chip 1kΩ 1/10W	T
R837	D0GB102JA008	Chip 1kΩ 1/10W	T
R838	D0GB102JA008	Chip 1kΩ 1/10W	T
R839	D0GB102JA008	Chip 1kΩ 1/10W	T
R840	D0GBR00JA008	Chip 0Ω 1/10W	T
R841	D0GB102JA008	Chip 1kΩ 1/10W	T
R842	D0GB222JA008	Chip 2.2kΩ 1/10W	T
R843	D0GBR00JA008	Chip 0Ω 1/10W	T
R844	D0GB104JA008	Chip 100kΩ 1/10W	T
R845	D0GB202JA008	Chip 2kΩ 1/10W	T
R846	D0GB274JA008	Chip 270kΩ 1/10W	T
R847	D0GB103JA008	Chip 10kΩ 1/10W	T
R848	D0GB104JA008	Chip 100kΩ 1/10W	T
R940	D0YFR00J0001	Chip 0Ω	T
R941	D0YFR00J0001	Chip 0Ω	T
R942	D0GB750JA008	Chip 75Ω 1/10W	T
RESISTORS			
RA601	D1H84734A043	Chip Network Resistor	T
RA602	D1H82224A043	Chip Network Resistor	T
RA603	D1H81024A043	Chip Network Resistor	T
RA604	D1H81024A043	Chip Network Resistor	T
RA605	D1H81024A043	Chip Network Resistor	T
RA606	D1H81014A043	Chip Network Resistor	T
RA607	D1H81024A043	Chip Network Resistor	T
RA608	D1H81024A043	Chip Network Resistor	T
RA609	D1H81024A043	Chip Network Resistor	T
RA610	D1H81024A043	Chip Network Resistor	T
RA611	D1H81024A043	Chip Network Resistor	T
RA612	D1H81014A043	Chip Network Resistor	T
RA613	D1H81024A043	Chip Network Resistor	T
RA614	D1H81024A043	Chip Network Resistor	T
RA615	D1H81044A043	Chip Network Resistor	T
RA616	D1H81024A043	Chip Network Resistor	T
COILS			
L51	G1C150JA0036	Coil	T
L52	G1CR56JA0036	Coil	T
L53	G1C100JA0036	Coil	T
L55	G1C101JA0036	Coil	T
L56	G1C220JA0036	Coil	T
L57	G1C101JA0036	Coil	T
L58	J0JGC0000029	Coil	T

Ref. No.	Part No.	Part Name & Description	Remarks
L60	J0JGC0000029	Coil	T
L62	G1C220JA0036	Coil	T
L63	G1C220K00023	Coil	T
L64	G1C220K00023	Coil	T
L65	G1C220JA0036	Coil	T
L66	G1C220JA0036	Coil	T
L201	J0JGC0000029	Coil	T
L202	J0JGC0000029	Coil	T
L203	J0JGC0000029	Coil	T
L301	J0JGC0000029	Coil	T
L302	J0JGC0000029	Coil	T
L303	J0JGC0000029	Coil	T
L304	J0JGC0000029	Coil	T
L601	G1C220JA0036	Coil	T
L701	G0A151J00006	Coil	T
L702	G1C220ZA0087	Coil	T
L703	G1C470ZA0087	Coil	T
L704	G1C470ZA0087	Coil	T
L781	G1C220JA0036	Coil	T
L782	J0JGC0000029	Coil	T
L783	J0JGC0000029	Coil	T
L784	G1C101JA0036	Coil	T
FILTERs			
FL11	J0JGC0000020	Coil	T
FL13	J0JHC0000026	Coil	T
FL24	J0JGC0000020	Coil	T
CRYSTALS			
X601	H0J419400014	Crystal	T
X602	H0J720400012	Crystal	T
X609	H0J327200169	Crystal	T
SURGE PROTECTOR			
Z51	J0LM00000001	Surge Protector	T
JACK			
ANT51	K1KB02A00079	Radio Antenna Connector	T
CONNECTORS			
CN160	K1KA22BA0053	Connector 22pin	T
CN252	K1MN40BA0112	Connector 40pin	T
CN256	K1KA03AA0230	Connector 3pin	T
CN701	K1FA116B0028	Connector 16pin	T
CN707	K1MN20BA0111	Connector 20pin	T
CN710	K1MN45AA0030	Connector 45pin	T
CN711	K1KA14AA0178	Connector 14pin	T
[E-4C333] TFT Block			
IC's AND TRANSISTORS			
IC401	C0DBAYY00269	IC	T
IC402	AP2202KADJTR	IC	T
IC451	C0DBAYY00279	IC	T
IC452	C0FBBY000047	IC	T
IC801	C0HBA0000245	IC	T
IC802	C3EBCY000018	IC	T
IC901	C0ABBB000069	IC	T
Q401	B1GBNCEJ0001	Transistor	T
Q402	B1GBCFJJ0007	Transistor	T
Q403	B1CHMC000009	Transistor	T
Q404	B1CHMC000009	Transistor	T
Q405	B1CHMC000009	Transistor	T
Q451	B1CZRD000001	Transistor	T
Q452	B1CZRD000001	Transistor	T
Q501	B1GBCFJJ0007	Transistor	T
Q502	B1GBCFJJ0007	Transistor	T

Ref. No.	Part No.	Part Name & Description	Remarks
DIODEs			
D401	B0JCGD000002	Diode	T
D402	B0JCGD000002	Diode	T
D403	B0JCGD000002	Diode	T
D451	B0ADCJ000080	Diode	T
D452	B0BC5R600010	Diode	T
D453	B0BC5R600010	Diode	T
D454	B0ADCJ000080	Diode	T
D501	B3ABB0000284	LED	T
D502	B3ABB0000284	LED	T
D503	B3ABB0000284	LED	T
D803	B0BC3R700004	Diode	T
D804	B0BC3R700004	Diode	T
D805	B0BC3R700004	Diode	T
D902	B0BD6R800002	Diode	T
D903	B0BD6R800002	Diode	T
D913	B0BC5R600010	Diode	T
D914	B0BC5R600010	Diode	T
D915	B0BC5R600010	Diode	T
CAPACITORS			
C401	F1H1H104A783	Ceramic 0.1μF 50WV	T
C402	F1H1H102A842	Ceramic 1000pF 50WV	T
C403	F1H1H472A842	Ceramic 4700pF 50WV	T
C404	F1H1H4710003	Ceramic 470pF 50WV	T
C405	F1H0J1050010	Ceramic 1μF 6.3WV	T
C406	F1H1H104A783	Ceramic 0.1μF 50WV	T
C407	F1J0J106A038	Ceramic 10μF 6.3WV	T
C408	F1J0J106A038	Ceramic 10μF 6.3WV	T
C409	F1K1C225A069	Ceramic 2.2μF 16WV	T
C410	F1H1H104A783	Ceramic 0.1μF 50WV	T
C411	F1J0J106A038	Ceramic 10μF 6.3WV	T
C412	F1K1C225A069	Ceramic 2.2μF 16WV	T
C413	F1H1H104A783	Ceramic 0.1μF 50WV	T
C414	F1H1H104A783	Ceramic 0.1μF 50WV	T
C415	F1H1H104A783	Ceramic 0.1μF 50WV	T
C416	F1H0J1050010	Ceramic 1μF 6.3WV	T
C417	F1J0J106A038	Ceramic 10μF 6.3WV	T
C418	F1J0J106A038	Ceramic 10μF 6.3WV	T
C419	F1H0J1050010	Ceramic 1μF 6.3WV	T
C420	F1H1H104A783	Ceramic 0.1μF 50WV	T
C422	F1J0J106A038	Ceramic 10μF 6.3WV	T
C423	F1J0J106A038	Ceramic 10μF 6.3WV	T
C426	F1J0J106A038	Ceramic 10μF 6.3WV	T
C427	F1J0J106A038	Ceramic 10μF 6.3WV	T
C431	F1J0J106A038	Ceramic 10μF 6.3WV	T
C432	F1J0J106A038	Ceramic 10μF 6.3WV	T
C435	F1H1H100A840	Ceramic 10pF 50WV	T
C436	F1H1H100A840	Ceramic 10pF 50WV	T
C437	F1H1H330A841	Ceramic 33pF 50WV	T
C438	F1H1H100A840	Ceramic 10pF 50WV	T
C439	F1H1H330A841	Ceramic 33pF 50WV	T
C440	F1H1H100A840	Ceramic 10pF 50WV	T
C451	F1H1H123A842	Ceramic 0.012μF 50WV	T
C452	F1L3F120A009	Ceramic 12pF 3.15kV	T
C453	F1K1C1060001	Ceramic 10μF 16WV	T
C454	F1K1C1060001	Ceramic 10μF 16WV	T
C455	F1H1C473A071	Ceramic 0.047μF 16WV	T
C456	F1H1C473A071	Ceramic 0.047μF 16WV	T
C457	F1H1H221A841	Ceramic 220pF 50WV	T
C458	F1H1H103A842	Ceramic 0.01μF 50WV	T
C459	F1H1H104A783	Ceramic 0.1μF 50WV	T
C460	F1H1H103A842	Ceramic 0.01μF 50WV	T
C461	F1J0J4750003	Ceramic 4.7μF 6.3WV	T
C462	F1H1H103A842	Ceramic 0.01μF 50WV	T
C463	F1H1A4740004	Ceramic 0.47μF 10WV	T
C464	F1J0J106A038	Ceramic 10μF 6.3WV	T
C465	F1H1H104A783	Ceramic 0.1μF 50WV	T
C466	F1H1H103A842	Ceramic 0.01μF 50WV	T
C467	F1H1H152A842	Ceramic 1500pF 50WV	T
C468	F1K1C1060001	Ceramic 10μF 16WV	T
C469	F1K1C1060001	Ceramic 10μF 16WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
R476	D0GB274JA008	Chip 270k Ω 1/10W	T
R477	D0GBR00JA008	Chip 0 Ω 1/10W	T
R478	ERJ3RBD223V	Chip 22k Ω 1/16W	T
R479	ERJ3RBD103V	Chip 10k Ω 1/16W	T
R480	D0GD100JA017	Chip 10 Ω 1/8W	T
R481	D0YFR00J0001	Chip 0 Ω	T
R482	D0YFR00J0001	Chip 0 Ω	T
R501	D0GB203JA008	Chip 20k Ω 1/10W	T
R502	D0GB331JA008	Chip 330 Ω 1/10W	T
R503	D0GB331JA008	Chip 330 Ω 1/10W	T
R504	D0GB472JA008	Chip 4.7k Ω 1/10W	T
R505	D0GB331JA008	Chip 330 Ω 1/10W	T
R801	D0GB473JA008	Chip 47k Ω 1/10W	T
R802	D0GB473JA008	Chip 47k Ω 1/10W	T
R803	D0GB473JA008	Chip 47k Ω 1/10W	T
R804	D0GB473JA008	Chip 47k Ω 1/10W	T
R805	D0GB473JA008	Chip 47k Ω 1/10W	T
R806	D0GB473JA008	Chip 47k Ω 1/10W	T
R879	D0GF330JA017	Chip 33 Ω 1/8W	T
R880	D0GF330JA017	Chip 33 Ω 1/8W	T
R881	D0GF330JA017	Chip 33 Ω 1/8W	T
R900	D0GBR00JA008	Chip 0 Ω 1/10W	T
R905	D0GB273JA008	Chip 27k Ω 1/10W	T
R906	D0GB103JA008	Chip 10k Ω 1/10W	T
R907	D0GB472JA008	Chip 4.7k Ω 1/10W	T
R908	D0GB472JA008	Chip 4.7k Ω 1/10W	T
R909	D0GB103JA008	Chip 10k Ω 1/10W	T
R910	D0GB103JA008	Chip 10k Ω 1/10W	T
R911	D0GB4R7JA066	Chip 4.7 Ω	T
R914	D0GBR00JA008	Chip 0 Ω 1/10W	T
R915	D0GBR00JA008	Chip 0 Ω 1/10W	T
R916	D0GBR00JA008	Chip 0 Ω 1/10W	T
R917	D0GBR00JA008	Chip 0 Ω 1/10W	T
R918	D0GBR00JA008	Chip 0 Ω 1/10W	T
R919	D0GBR00JA008	Chip 0 Ω 1/10W	T
R920	D0GBR00JA008	Chip 0 Ω 1/10W	T
R921	D0GBR00JA008	Chip 0 Ω 1/10W	T
R925	D0GB330JA008	Chip 33 Ω 1/10W	T
R926	D0GB330JA008	Chip 33 Ω 1/10W	T
R938	D0GB105JA008	Chip 1M Ω 1/10W	T
R939	D0GB101JA008	Chip 100 Ω 1/10W	T
R942	D0GB102JA008	Chip 1k Ω 1/10W	T
R943	D0GB750JA008	Chip 75 Ω 1/10W	T
R945	D0GB330JA008	Chip 33 Ω 1/10W	T
R946	D0GB330JA008	Chip 33 Ω 1/10W	T
R947	D0GB333JA008	Chip 33k Ω 1/10W	T
R951	D0GB431JA008	Chip 430 Ω 1/10W	T
R952	D0GB431JA008	Chip 430 Ω 1/10W	T
R953	D0GB431JA008	Chip 430 Ω 1/10W	T
R954	D0GB102JA008	Chip 1k Ω 1/10W	T
R955	D0GB221JA008	Chip 220 Ω 1/10W	T
R956	D0GB221JA008	Chip 220 Ω 1/10W	T
R957	D0GB330JA008	Chip 33 Ω 1/10W	T
R958	D0GB330JA008	Chip 33 Ω 1/10W	T
R959	D0GB330JA008	Chip 33 Ω 1/10W	T
R960	D0GB330JA008	Chip 33 Ω 1/10W	T
R961	D0GB330JA008	Chip 33 Ω 1/10W	T
R962	D0GB330JA008	Chip 33 Ω 1/10W	T
R963	D0GBR00JA008	Chip 0 Ω 1/10W	T
R965	D0GB272JA008	Chip 2.7k Ω 1/10W	T
R967	D0GB103JA008	Chip 10k Ω 1/10W	T
R968	D0GB103JA008	Chip 10k Ω 1/10W	T
R969	D0GB103JA008	Chip 10k Ω 1/10W	T
R970	D0GB103JA008	Chip 10k Ω 1/10W	T
R971	D0GB103JA008	Chip 10k Ω 1/10W	T
R972	D0GB103JA008	Chip 10k Ω 1/10W	T
R973	D0GB103JA008	Chip 10k Ω 1/10W	T
R974	D0GB103JA008	Chip 10k Ω 1/10W	T
R977	D0GB152JA008	Chip 1.5k Ω 1/10W	T
R978	D0GB101JA008	Chip 100 Ω 1/10W	T
R992	D0GB102JA008	Chip 1k Ω 1/10W	T
R994	D0GBR00JA008	Chip 0 Ω 1/10W	T
R995	D0GBR00JA008	Chip 0 Ω 1/10W	T
R998	D0GBR00JA008	Chip 0 Ω 1/10W	T

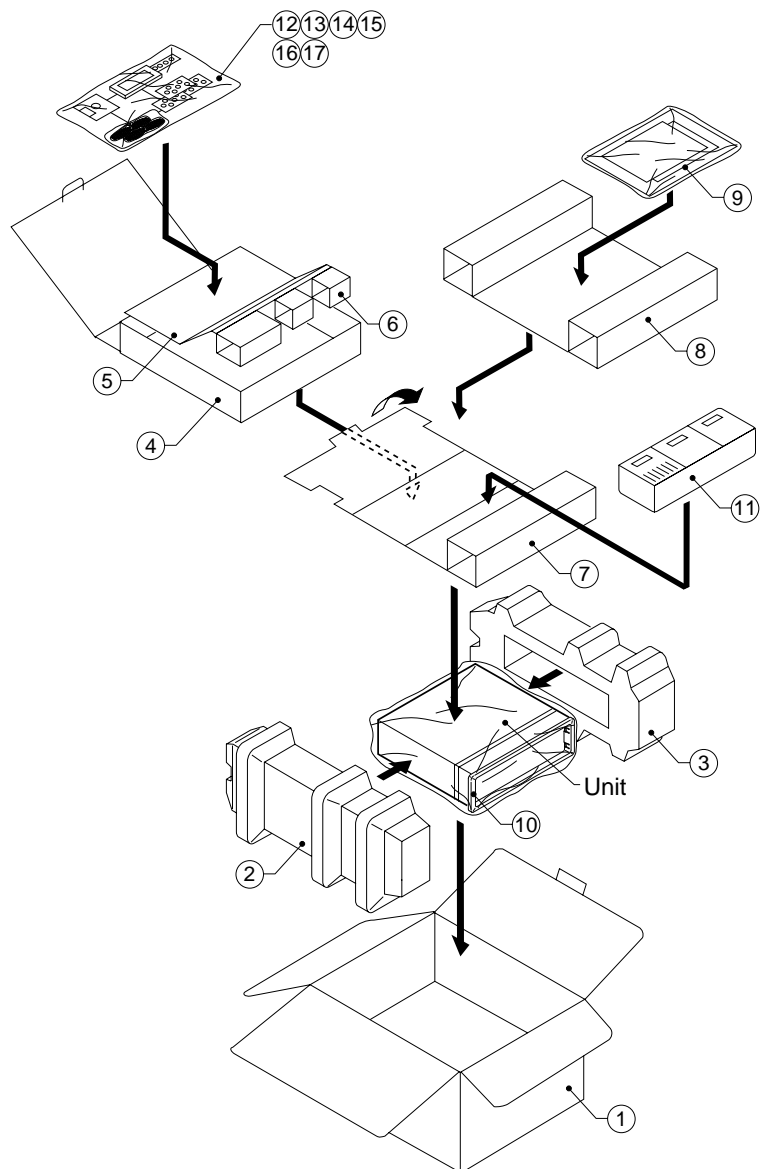
Ref. No.	Part No.	Part Name & Description	Remarks
R999	D0GB333JA008	Chip 33k Ω 1/10W	T
COILs			
L401	G1C221ZA0179	Coil	T
L402	G1C470ZA0179	Coil	T
L403	G1C221ZA0179	Coil	T
L451	G1C100ZA0179	Coil	T
L452	G1C2R7JA0036	Coil	T
FILTERs			
FL401	J0JHC0000026	Coil	T
FL402	J0JJC0000003	Coil	T
FL403	J0JHC0000026	Coil	T
FL451	J0JGC0000020	Coil	T
FL901	G1C470JA0036	Coil	T
FL902	G1C470JA0036	Coil	T
FL904	J0JGC0000020	Coil	T
FL905	J0JHC0000026	Coil	T
FL907	J0JCC0000042	Coil	T
FL908	J0JHC0000026	Coil	T
FL909	J0JHC0000026	Coil	T
FL910	J0JGC0000020	Coil	T
FL911	J0JGC0000020	Coil	T
FL912	J0JGC0000020	Coil	T
FL913	J0JGC0000020	Coil	T
FL914	J0JGC0000020	Coil	T
INVERTER			
T451	G5ZZ00000111	Inverter	T
CRYSTAL			
X801	H0J270500119	Crystal	T
SWITCHes			
SW501	K0H1BB000044	Switch	T
SW502	K0H1BB000044	Switch	T
SW503	K0H1BB000044	Switch	T
CONNECTORs			
CN451	K1KA02B00250	Connector 2pin	T
CN452	K1MN32BA0112	Connector 32pin	T
CN901	K1MN30BA0036	Connector 30pin	T
CN902	K1MN08BA0189	Connector 8pin	T
[E-9940A] SW Block			
IC			
IC551	B3RAD0000121	IC	T
DIODEs			
D551	B3AEB0000088	LED	T
D552	B3AEB0000088	LED	T
D553	B3AEB0000088	LED	T
D554	B3AEB0000088	LED	T
D555	B3AEB0000088	LED	T
D556	B3AEB0000088	LED	T
D557	B3AEB0000088	LED	T
D558	B3AEB0000088	LED	T
D559	B3AEB0000088	LED	T
D560	B3AEB0000088	LED	T
D561	B0BC5R600010	Diode	T
D562	B0BC5R600010	Diode	T
D563	B0BC5R600010	Diode	T
D566	B0BC5R600010	Diode	T
CAPACITORs			

Ref. No.	Part No.	Part Name & Description	Remarks
C551	F1H1H104A783	Ceramic 0.1μF 50WV	T
C552	F1H1H104A783	Ceramic 0.1μF 50WV	T
C553	F1H1H104A783	Ceramic 0.1μF 50WV	T
C554	F1H1H103A783	Ceramic 0.01μF 50WV	T
C555	F1H1H103A783	Ceramic 0.01μF 50WV	T
C556	F1H1H104A783	Ceramic 0.1μF 50WV	T
C557	F1J1A2250004	Ceramic 2.2μF 10WV	T
C558	F1H1H102A841	Ceramic 1000pF 50WV	T
C559	F1H1H103A783	Ceramic 0.01μF 50WV	T
C560	F1H1H104A783	Ceramic 0.1μF 50WV	T
C561	F1J1A106A023	Ceramic 10μF 10WV	T
C562	F1J1A106A023	Ceramic 10μF 10WV	T
C563	F1H1H102A841	Ceramic 1000pF 50WV	T
C564	F1H1H102A841	Ceramic 1000pF 50WV	T
RESISTERS			
R551	D0GB101JA008	Chip 100Ω 1/10W	T
R552	D0GB101JA008	Chip 100Ω 1/10W	T
R553	D0GB561JA008	Chip 560Ω 1/10W	T
R554	D0GB561JA008	Chip 560Ω 1/10W	T
R555	D0GB101JA008	Chip 100Ω 1/10W	T
R556	D0GB751JA008	Chip 750Ω 1/10W	T
R557	D0GB472JA008	Chip 4.7kΩ 1/10W	T
R558	D0GB471JA008	Chip 470Ω 1/10W	T
R559	D0GB101JA008	Chip 100Ω 1/10W	T
R560	D0GB821JA008	Chip 820Ω 1/10W	T
R561	D0GB821JA008	Chip 820Ω 1/10W	T
R562	D0GB203JA008	Chip 20kΩ 1/10W	T
R563	D0GB822JA008	Chip 8.2kΩ 1/10W	T
R564	D0GB821JA008	Chip 820Ω 1/10W	T
R565	D0GB101JA008	Chip 100Ω 1/10W	T
R566	D0GB101JA008	Chip 100Ω 1/10W	T
R567	D0GB101JA008	Chip 100Ω 1/10W	T
R568	D0GB101JA008	Chip 100Ω 1/10W	T
R571	D0GB102JA008	Chip 1kΩ 1/10W	T
R572	D0GB102JA008	Chip 1kΩ 1/10W	T
SWITCHES			
SW551	ESE22MV21T	Switch	T
SW552	K9AA015Y0019	Rotary Encoder (VOL)	T
SW553	K0H1BA000445	Switch	T
SW554	K0H1BA000445	Switch	T
SW555	K0H1BA000445	Switch	T
SW556	K0H1BA000445	Switch	T
SW557	K0H1BA000445	Switch	T
SW558	K0H1BA000445	Switch	T
SW559	K0H1BA000445	Switch	T
JACK			
JK551	K2HC1YYA0014	Jack (AV1 IN)	T
CONNECTOR			
CN551	K1MN20AA0058	Connector 20pin	T
Accessories			
PRINTINGS			
	-	Operating Instructions	TSN
	-	System Upgrade Guidebook	TSN
	-	Installation Instructions	TSN
Installation Hardware (For Installation)			
	YFC054C087CA	Trim Plate	T
	YFX214C433CA	Mounting Collar	T
	YFX054C077CA	Mounting Spring	T
	YEJV014C002N	Mounting Bolt (5 mm)	T
	ZZBISVD7005B	Bis Kit (Round Head Screw, Flat-Head Screw)	T

Ref. No.	Part No.	Part Name & Description	Remarks
	ZZBISVD7005E	Spacer Kit (Spacer, Double-Faced Adhesive Tape)	T
Installation Hardware (For Wiring)			
	YAJO24C129CA	Power Connector	T
	YEAERA33000K	Conversion Cable for AV1 IN	T
Mechanical Parts			
MISCELLANEOUS			
AT1	K4CD01000015	Terminal	T
AT2	K4CD01000015	Terminal	T
AT3	K4CD01000015	Terminal	T
AT4	K4CD01000015	Terminal	T
1	YFA014C072CC	Slide Mechanism Ass'y	T
2	YEFX0052716	Spring, (L)	T
3	YEFX0052717	Spring, (R)	T
5	APCB333C0-J	TFT PCB Ass'y	T/RTL
6	YFX994C150ZA	Sponge, TFT PCB	T
7	YFV014C122ZA	Shield Sheet	T
8	YFX214C471ZA	TFT Bracket (F)	T
10	L5EDDYY00052	LCD Panel For Monitor	T
11	YFS014C103ZA	Sponge, LCD	T
12	YEFV012410	TFT Sheet	T
13	YFX214C472ZA	TFT Bracket (R)	T
15	N2BAAYY00021	Touch Panel	T
16	YFC034C133CA	Monitor Cover Ass'y	T
17	YFE134C568ZA	Button, DIM	T
18	YFS014C756ZB	Sheet	T
19	YFE134C567ZA	Button, OPEN/CLOSE/TILT	T
20	ZZFPC-VX100	FPC Ass'y	T
21	YFX214C473ZA	Bracket (R) , DVD Deck	T
22	YFX214C474ZA	Magnetic Shield (U), DVD Deck	T
23	YFM024C524CA	Laser Seal	T
24	YFV014C132ZB	Sheet, RCA	T
25	YFS014C137ZB	Dielectric Pad	T
26	YFV014C134ZA	Sponge, DVD Deck	T
28	YFC034C127CA	Panel Rear Plate	T
29	YEFN07041	Brand	T
30	FD044C012-U	DVD DECK	T
31	DETACHVX100U	Removable Face Plate	T
32	YFE074C075ZA	VOL Knob (PUSH SEL)	T
33	YFJ014C242ZA	Decoration (L)	T
34	YFJ014C243ZA	Decoration (R)	T
35	YFX994C142ZA	Tape (L)	T
36	YFX994C143ZA	Tape (R)	T
37	YFX994C151ZA	Optical shade(SRC)	T
38	YFX014C104ZA	Panel Light (VOL)	T
39	YEFV022019	Shading Pad	T
40	YFJ014C244ZA	Remote Control Sensor Cap	T
41	YFC034C087ZB	Escutcheon Holder	T
42	YFE134C562ZA	Button, MUTE/SETUP	T
43	YFE134C561ZA	Button, SOURCE	T
44	YFE134C563ZA	Button, TUNE/TRACK/EJECTS	T
45	YFS014C120ZA	Dust Felt	T
46	YFX014C105ZA	Panel Light (DISC)	T
47	YFA054C054ZA	Under Cover	T
49	YFC034C114ZA	Connector Cover	T
51	APCB9940C0-J	SW PCB Ass'y	T/RTL
52	YEAFFC127	FFC (20P)	T
53	YFR044C013ZA	RCA Cap	T
54	YFX214C476ZB	IC Bracket, IC701	T
55	YFAASB7F35	DC Fan	T
56	APCB332C0-J	Main PCB Ass'y	T/RTL
57	YFF014C062ZA	Heat Sink	T
58	YEFX0217311	Power Bracket, IC201	T
59	YFX214C475ZA	Tuner Shield Case, PA51	T
60	YEFV012526	Sheet (TUNER)	T
61	YFA084C082ZA	Rear Plate	T
62	YEFX0217310	Connect Bracket (REAR)	T
63	YEAER201001K	RCA Cord Connector	T
64	YFX214C470ZB	Power Bracket, CN701	T

Ref. No.	Part No.	Part Name & Description	Remarks
65	YFV014C137ZA	Copper Sheet	T
66	YEAE4CDIN191	System-up Connector	T
67	YFV014C135ZA	Sheet, Main PCB	T
81	YEJS06024	Screw	T
82	YEJS06266	Screw	T
83	YEJS06342	Screw	T
84	YJT034C043ZA	Screw 2.6X6	T
85	XTB26+6FFN	Screw 2.6X6	T
86	YEJT03274	Screw M3X18	T
87	XQN2+AF3FN	Screw M2X3	T
89	XTB2+8GFZ	Screw	T
90	XYN2+J14FN	Screw M2X14	T
91	YEJT03340	Screw	T
93	YJT034C706FN	Screw	T
94	XTB2+5GFN	Screw 2X5	T
95	XTB26+5FFN	Screw	T
96	XTB2+8GFN	Screw	T

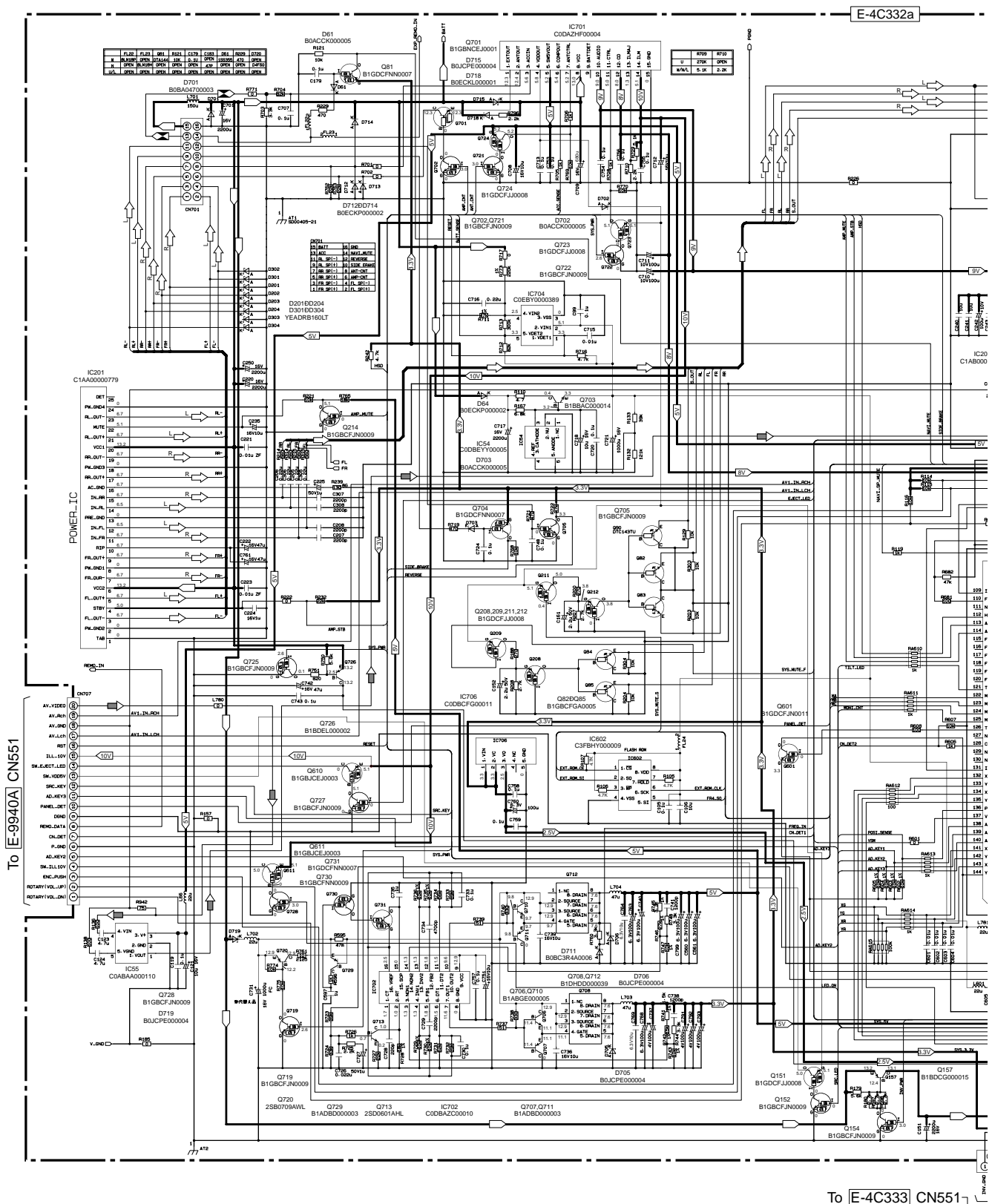
10.3. Packing Parts List



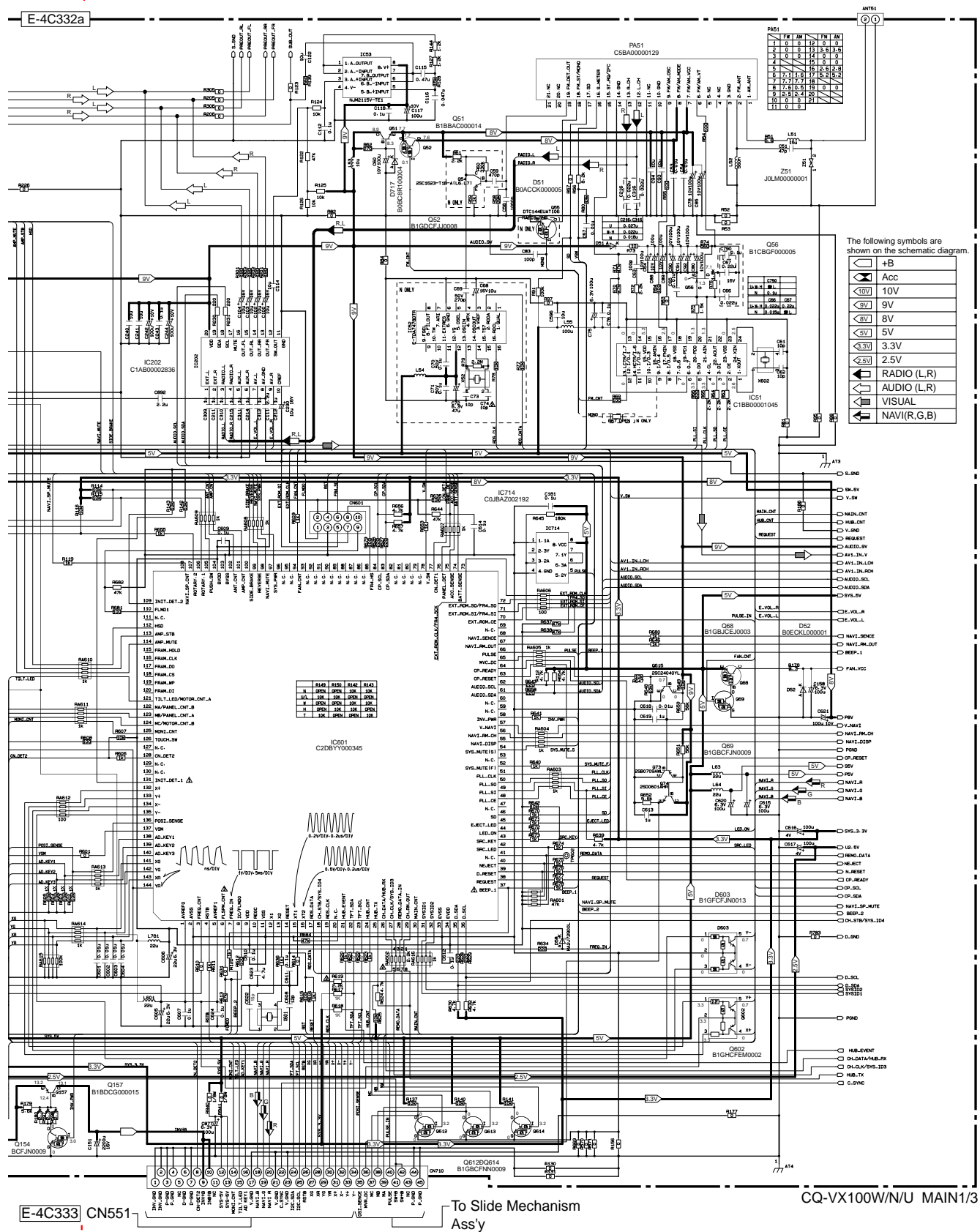
• Item numbers listed below should not order regular spare parts. **(not available)**

Item No.	Parts No.	Part Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not available
2	-	Packing Pad (Left)	1	Not available
3	-	Packing Pad (Right)	1	Not available
4	-	Packing Pad (A)	1	Not available
5	-	Packing Pad (B)	1	Not available
6	-	Packing Pad (C)	1	Not available
7	-	Packing Pad (D)	1	Not available
8	-	Packing Pad (E)	1	Not available
9	-	Operating Instructions	(1)	TSN
	-	System Upgrade Guidebook	(1)	TSN
	-	Installation Instructions	(1)	TSN
10	YFC054C087CA	Trim Plate	1	
11	YFX214C433CA	Mounting Collar	1	
12	YFX054C077CA	Mounting Spring	2	
13	YEJV014C002N	Mounting Bolt	1	
14	ZZBISVD7005B	Bis-Kit (Round Head Screw, Flat-Head Screw, Round Head Screw)	1	
15	ZZBISVD7005E	Bis-Kit (Spacer, Double-Faced Adhesive Tape)	1	
16	YAJ024C129CA	Power Connector	1	
17	YEAERA33000K	Conversion Cable for AV1 IN	1	

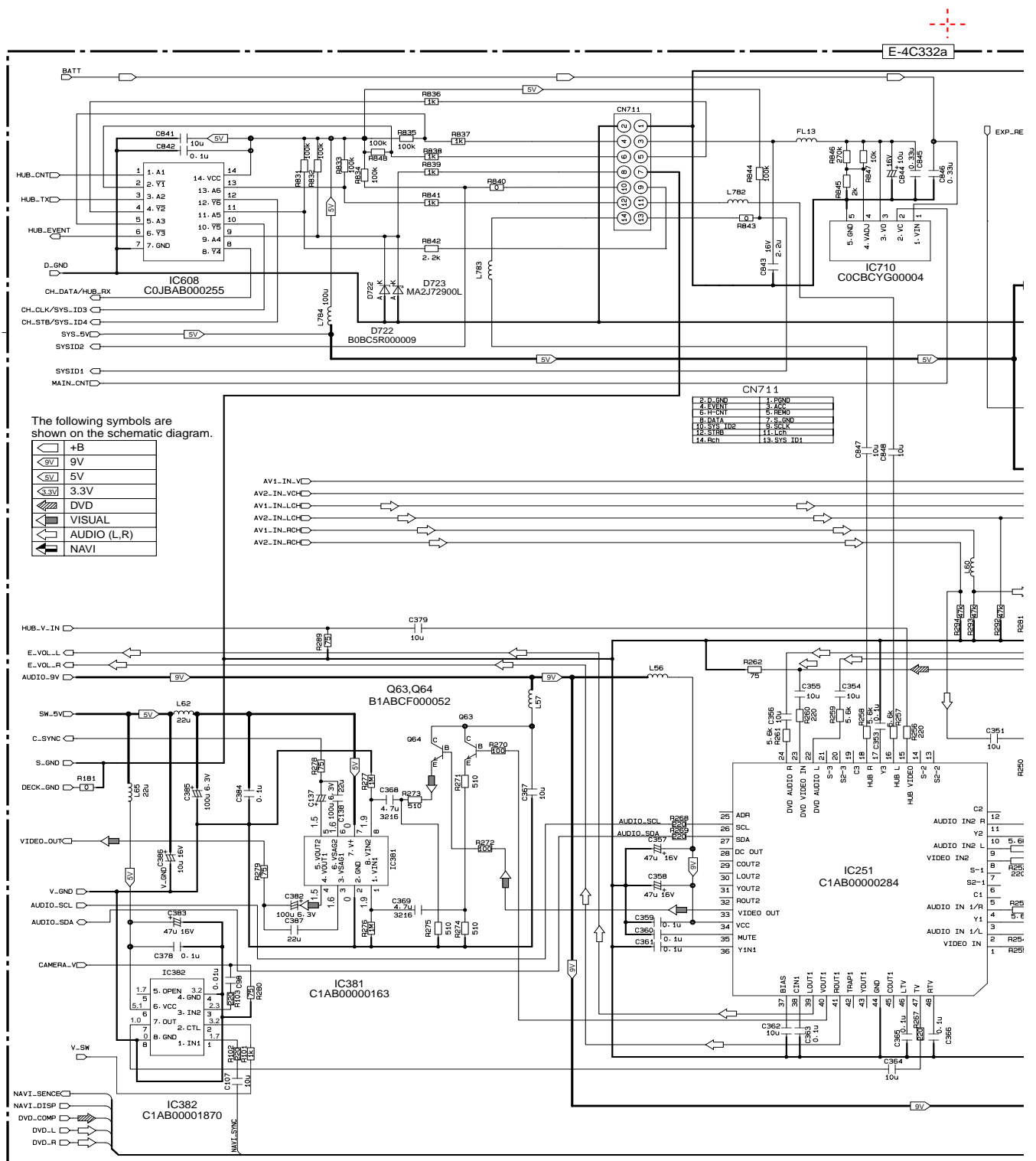
11.1. Main-1 Block (Left Side)



11.2. Main-1 Block (Right Side)



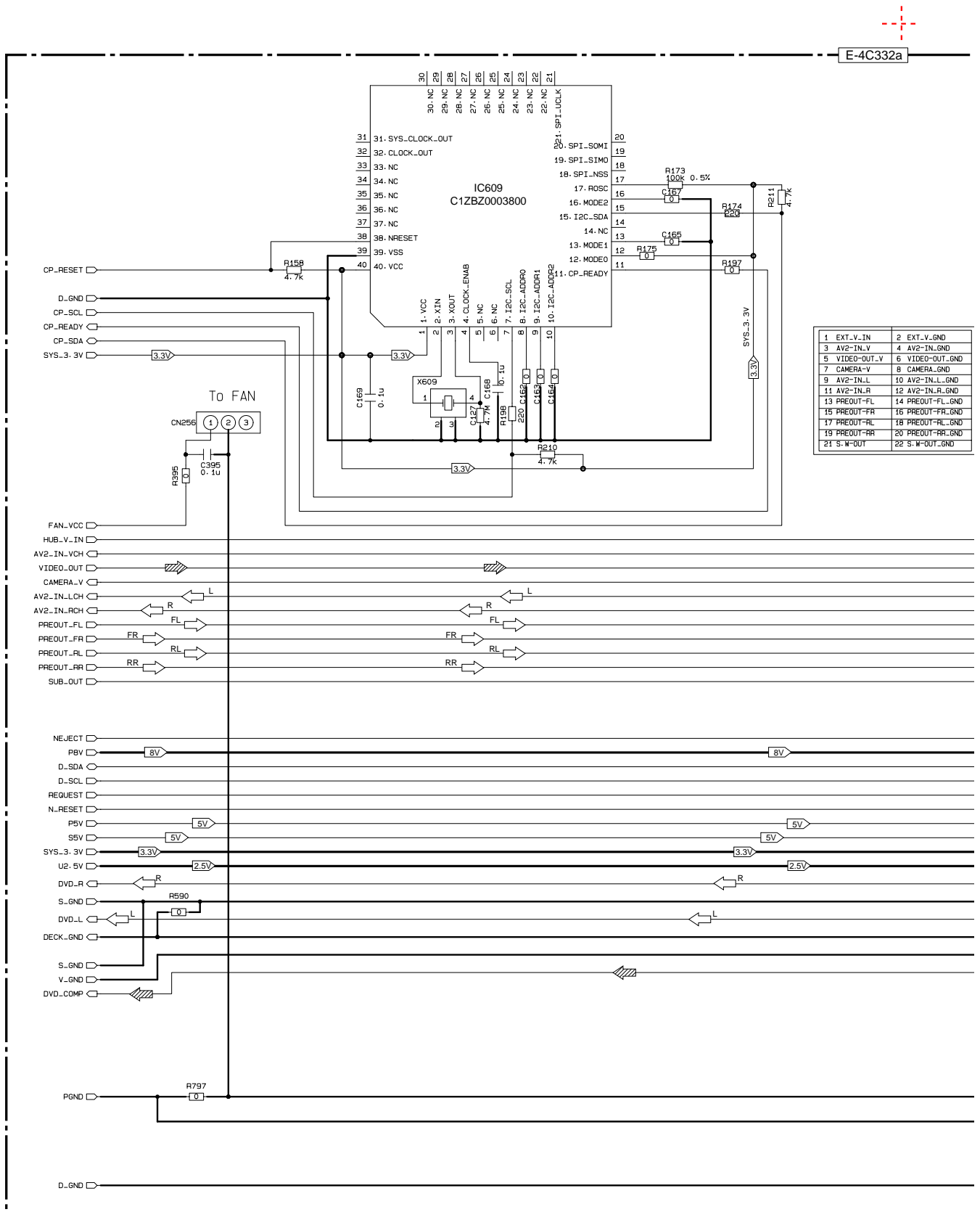
11.3. Main-2 Block (Left Side)



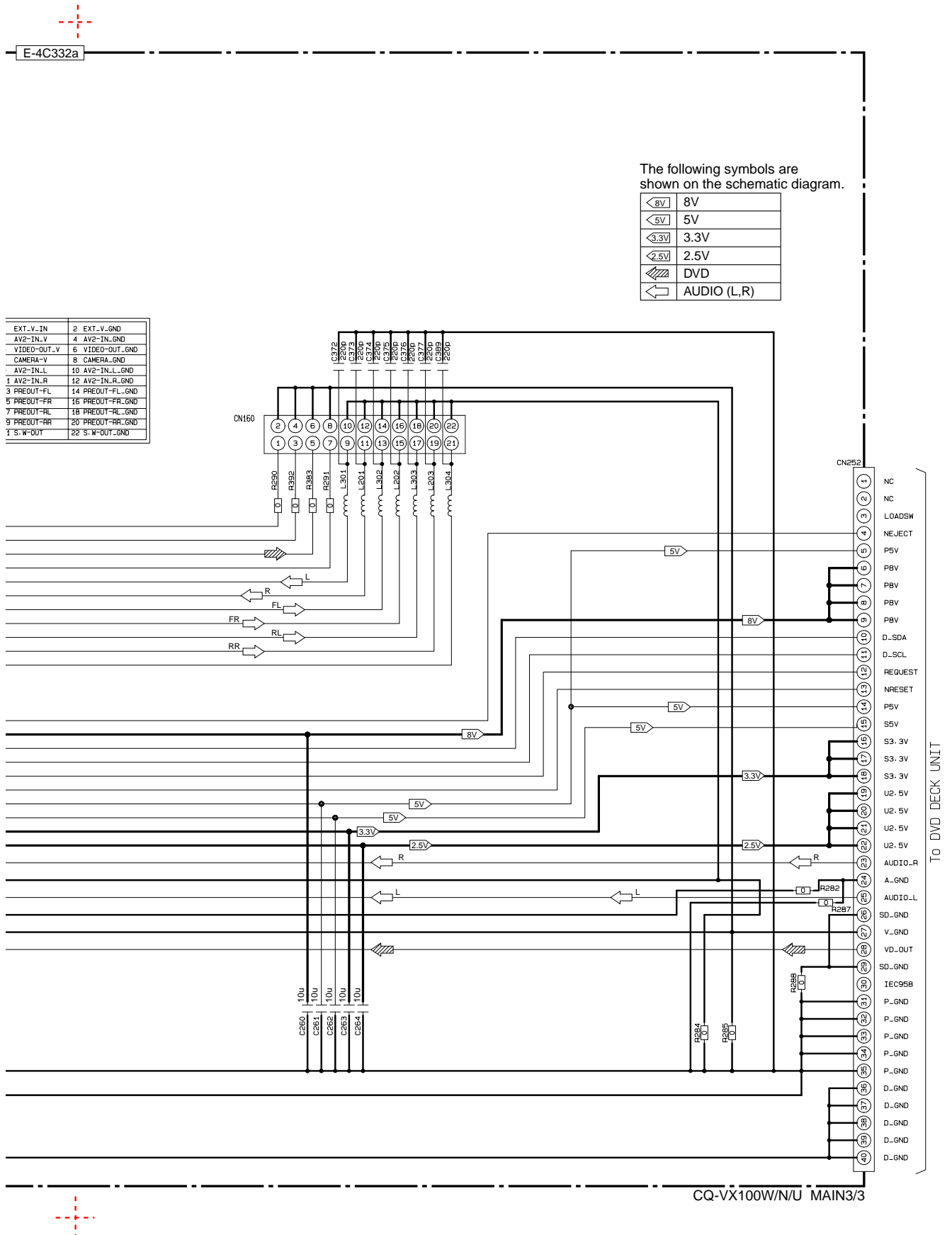


42

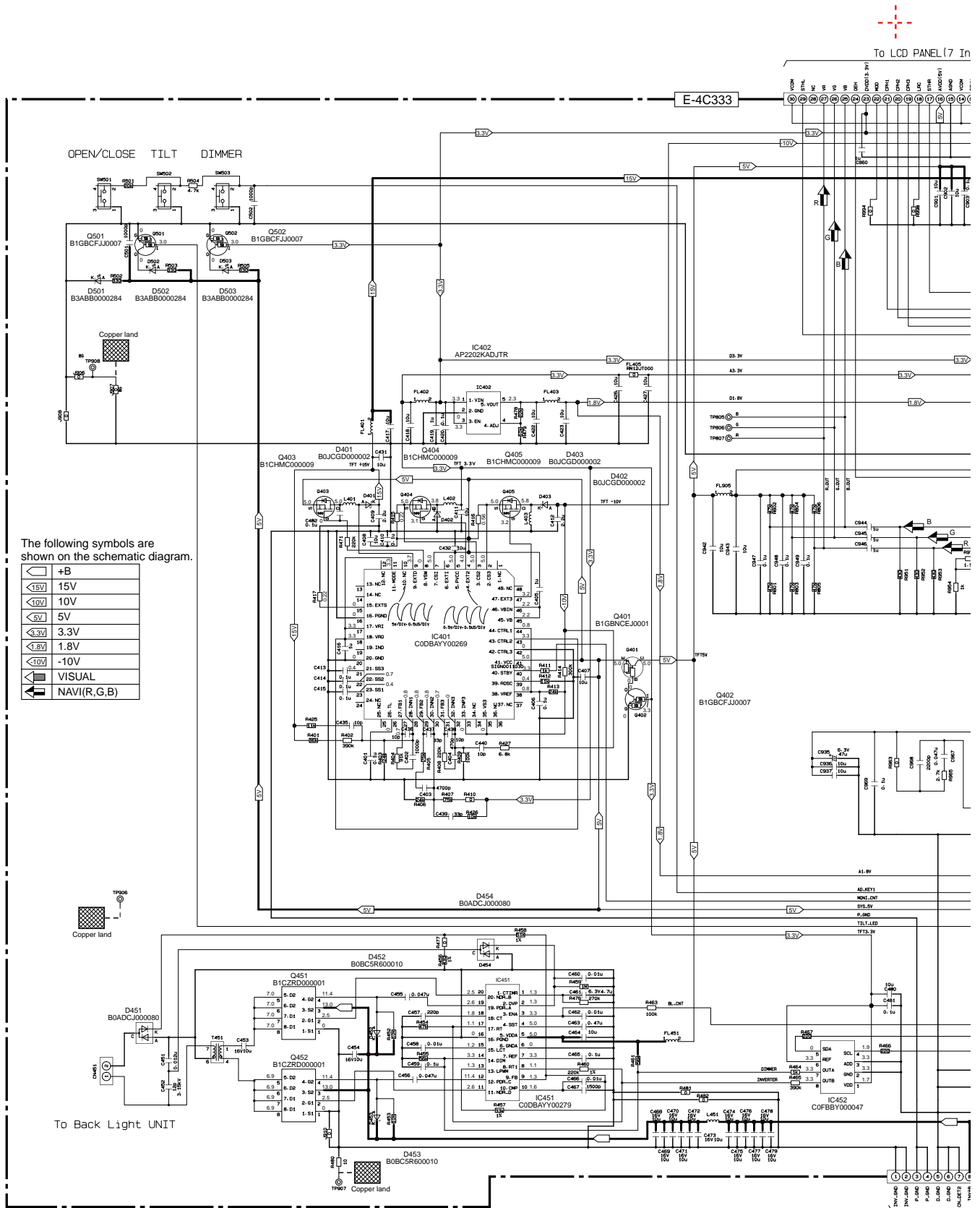
11.5. Main-3 Block (Left Side)



11.6. Main-3 Block (Right Side)



11.7. TFT Block (Left Side)







11.10. SW Block (Right Side)

