1st Addition

SHARP SERVICE MANUAL

No.SZ12M1132LE350M

LCD COLOUR TELEVISION

MODEL : LC-32LE350M

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CONTENTS

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

SAFETY PRECAUTION

IMPORTANT SERVICE SAFETY PRECAUTION

■ **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

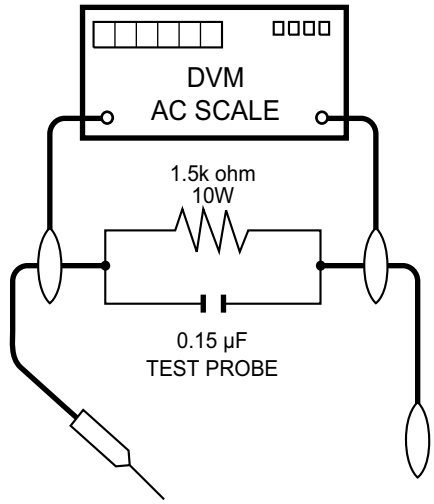
Before returning the receiver to the user, perform the following safety checks:

3. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
4. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
5. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 110-240 volt AC outlet.
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.74 Vrms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD colour television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " ⚠ " and shaded areas in the Replacement Parts List and Schematic Diagrams.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

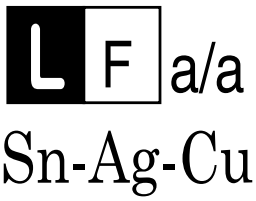
PRECAUTIONS FOR USING LEAD-FREE SOLDER

Employing lead-free solder

- "PWBs" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

  Example:

Indicates lead-free solder of tin, silver and copper.



Indicates lead-free solder of tin, silver and copper.

Using lead-free wire solder

- When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

  As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

Soldering

- As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 C which is higher than the conventional lead solder by 40 C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

  Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

  If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

  When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

- Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

PARTS CODE	PRICE RANK	PART DELIVERY	DESCRIPTION
ZHNDAi123250E	BL	J	0.3mm 250g (1roll)
ZHNDAi126500E	BK	J	0.6mm 500g (1roll)
ZHNDAi12801KE	BM	J	1.0mm 1kg (1roll)

CHAPTER 1. OUTLINE

[1] OUTLINE

MAJOR SERVICE PARTS

PWB UNIT

Ref No.	Part No.	Description
N	DKEYMG165FM01	MAIN Unit
N	RDENCA462WJPZ	POWER Unit
N	DUNTKG238WE01	LED IR Unit
N	RUNTKB129WJZZ	LED PWB A
N	RUNTKB130WJZZ	LED PWB B

OTHER UNIT

Ref No.	Part No.	Description
N	R1LK315T3HB60W	32-INCH Panel Hiraki
N	CLCDTA291WE01	Panel Assembly

IC FOR EXCLUSIVE USE OF THE SERVICE

Ref No.	Part No.	Description	Q'ty
IC3104	RH-iXD607WJQZQ	Flash IC	1
			1

CHAPTER 2. SPECIFICATIONS

[1] SPECIFICATIONS

Specifications

Item \ Model			LC-32LE350M
Screen size			80 cm
Resolution			1,049,088 pixels (1366 × 768)
Video Colour System			PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60
TV Function	TV-Standard		PAL: B/G, D/K, I SECAM: B/G, D/K, K/K1 NTSC: M
	Receiving Channel	VHF/UHF	48.00—863.25 MHz
		CATV	S1—S41ch (including Hyperband)
	TV-Tuning System		Auto Preset 99 ch
	STEREO/BILINGUAL		NICAM: B/G, I, D/K A2 stereo: B/G
Viewing angles			H : 176° V : 176°
Audio amplifier/Speakers			10 W × 2 / 4 × 10 cm 2pcs
Terminals	Antenna input		UHF/VHF 75 Ω DIN type
	INPUT 1		HDMI (HDMI input), AUDIO in (ϕ 3.5 mm jack)
	INPUT 2		VIDEO in, AUDIO in
	INPUT 3		VIDEO in, AUDIO in, COMPONENT in
	INPUT 4 (PC input)		15 pin mini D-sub, AUDIO in (common use with INPUT 1) (ϕ 3.5 mm jack)
	AUDIO OUT		AUDIO out
	USB		USB
	Headphone		ϕ 3.5 mm stereo
OSD language			English/Simplified Chinese/Arabic/French/Portuguese/Russian/Persian/Thai/ Vietnamese/Indonesian
Power Requirement			AC 110—240 V, 50/60 Hz
Power Consumption			53 W (0.8 W Stand by)
Dimensions		without stand	735 (W) × 471 (H) × 113 (D) mm
		with stand	735 (W) × 463 (H) × 167 (D) mm
Weight			7.9 kg (without stand) / 8.4 kg (with stand)
Operating Temperature			0°C — 40°C

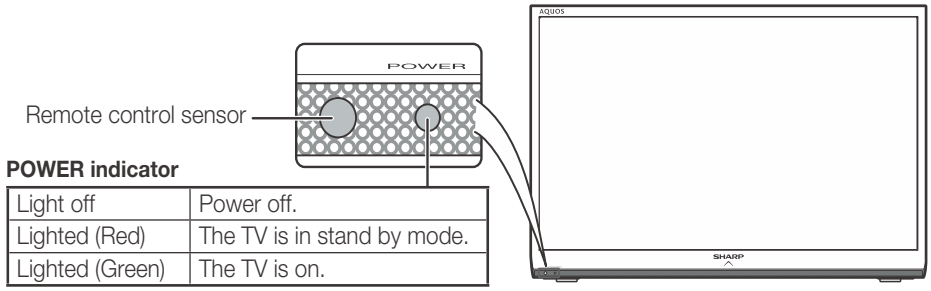
- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

CHAPTER 3. OPERATION MANUAL

[1] OPERATION MANUAL

Part names

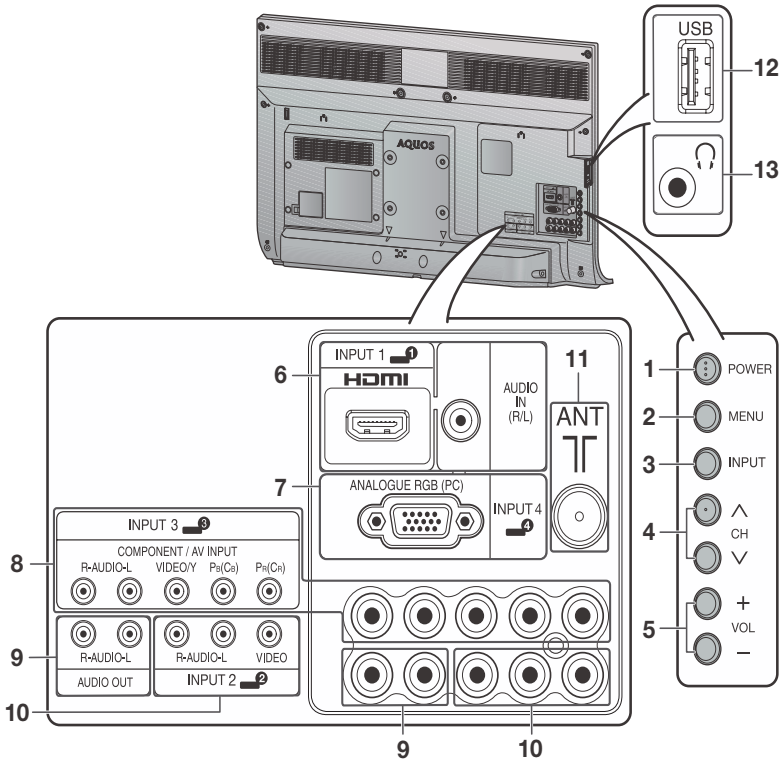
TV (Front)



POWER indicator

Light off	Power off.
Lighted (Red)	The TV is in stand by mode.
Lighted (Green)	The TV is on.

TV (Rear)

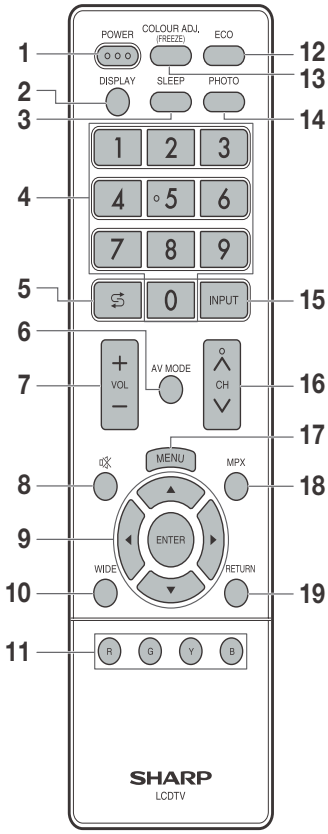


1 **POWER** (On/Off) button
2 **MENU** button
3 **INPUT** button
4 Channel up (∧)/down (∨) buttons
5 Volume up (+)/down (–) buttons
6 INPUT 1 (HDMI) terminal*
7 INPUT 4 terminal*
8 INPUT 3 terminals
9 AUDIO OUT terminals
10 INPUT 2 terminals
11 Antenna input terminal
12 USB terminal
13 Headphone jack (ϕ 3.5 mm)
- The speakers do not output volume when headphones are plugged in.

* The INPUT 1 and INPUT 4 terminals can both use the same audio input terminal. However, the proper item must be selected in the “PC audio select” menu.

- The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.

Remote control unit



1 POWER (STAND BY/ON)
To switch the power on and off.

2 DISPLAY
Display the channel or input information.

3 SLEEP
Set the Sleep timer.

0 hr. 30 min. → 1 hr. 00 min. → 1 hr. 30 min. ↓
Off ← 2 hr. 30 min. ← 2 hr. 00 min. ←

4 0 – 9
Set the channel.

5 ⇆ (Flashback)
Press ⇆ to return to the previous selected channel or external input mode.

6 AV MODE
Select an audio and video setting.

7 VOL + /VOL –
Set the volume.
(**VOL +**) Increase the volume.
(**VOL –**) Decrease the volume.

8 (Mute)
Press → Mutes sound.
Press again → Restores sound.
Mute will be cancelled after 30 minutes. However, the TV will not suddenly output loud sound as the volume level will be set to 0 automatically. Increase the volume level by pressing **VOL +**.

9 ▲/▼/◀/▶ (Cursor)
Select a desired item on the setting screen.

ENTER
Execute a command.

10 WIDE
Change the wide image mode.

11 Colour (Red/Green/Yellow/Blue)
The coloured buttons are correspondingly used to select the coloured items on the screen.

12 ECO
Reduce overall power consumption based on user preferences.

13 COLOUR ADJ. (FREEZE)
Freeze a motion picture on the screen and adjust the colour tone of the still image.

14 PHOTO
Display your pictures directly on the TV screen.

15 INPUT (INPUT SOURCE)
Select an input source.

16 CH∧/CH∨
TV input mode: Select the channel.
(**CH∧**) Increase the channel number.
(**CH∨**) Decrease the channel number.

17 MENU
Display the menu screen.

18 MPX
Select the sound multiplex mode.

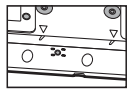
19 RETURN
MENU mode: Return to the previous menu screen.

Attaching the stand

- Before attaching (or detaching) the stand, unplug the AC cord from the AC outlet.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

1 Confirm the screws supplied with the TV.
Screws (×4)
(used in step 3)

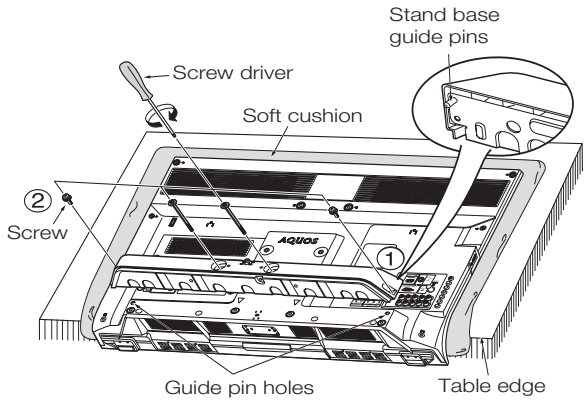
2 Insert the stand base guide pins to the stand holes on the rear of the TV. (①)
- Make sure the symbol on the stand base is parallel with the triangle symbol located at the back of the TV.



3 Insert and tighten the 4 screws into the 4 holes on the rear of the stand base. (②)

NOTE

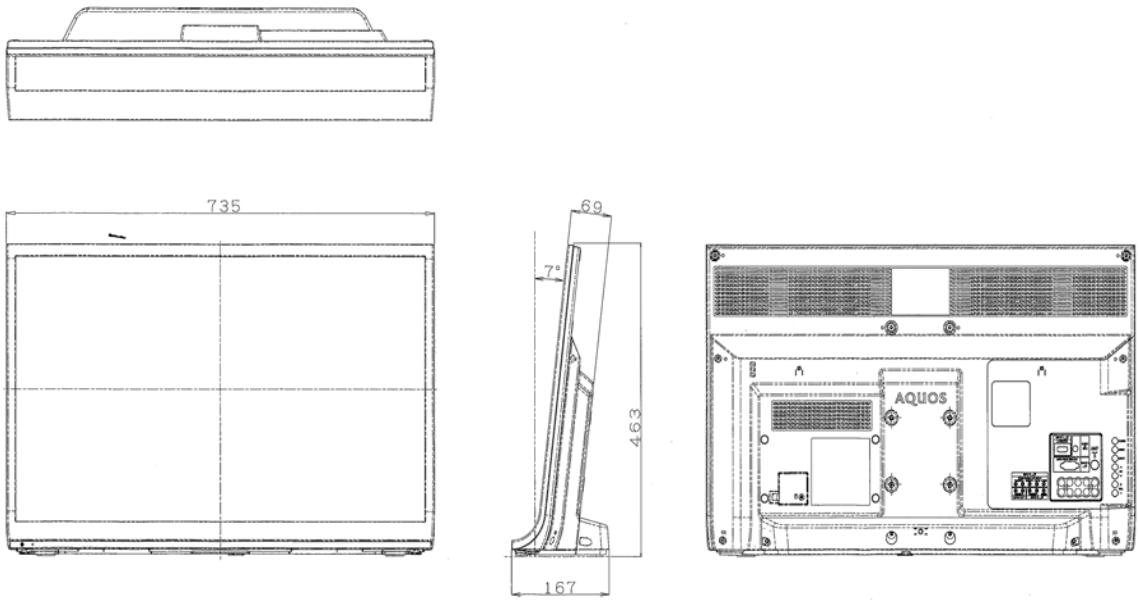
- To detach the stand, perform the steps in reverse order.
- The TV position setting is set to 7 backward after attaching the stand.
- Do not remove the plastic wrap before attaching the stand base to protect it from scratches.
- The bottom area of the set (curvy area) must be beyond the table's edge to prevent the TV from damage.



CHAPTER 4. DIMENSIONS

[1] DIMENSIONS

Unit MM

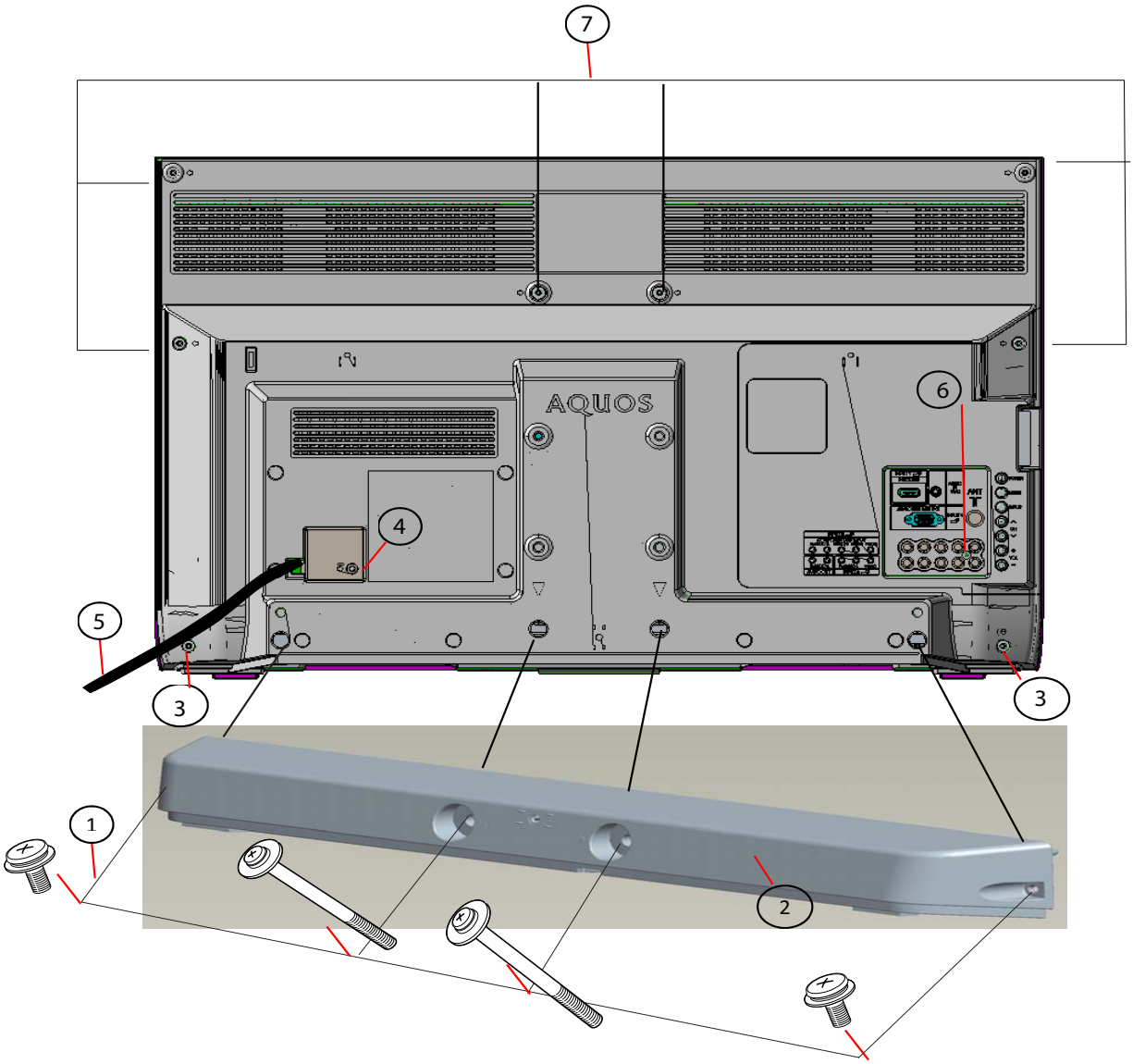


CHAPTER 5. REMOVING OF MAJOR PARTS

[1] REMOVING OF MAJOR PARTS

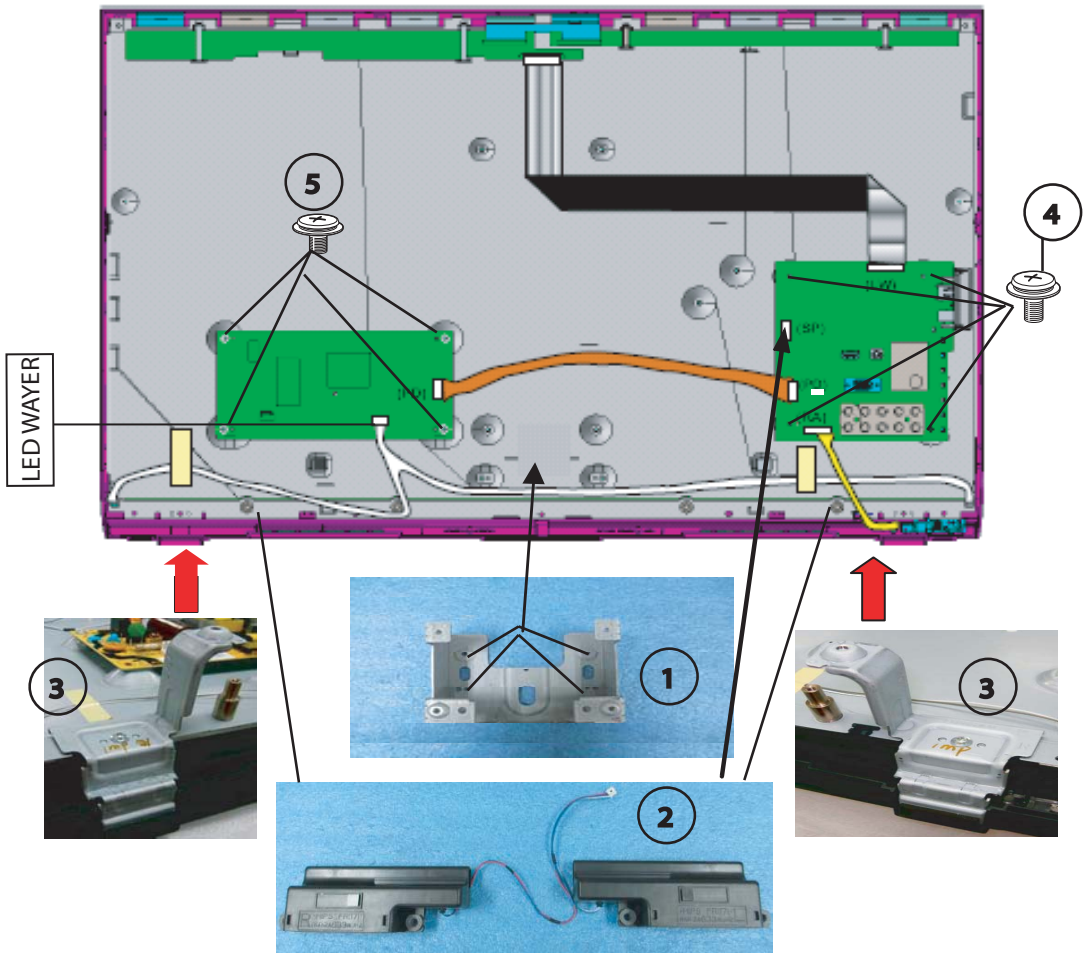
1. Removing of the Rear Cabinet Ass 'y and Stand Assembly

1. Remove the 4 screws ① and detach the Stand Base ② .
2. Remove the 2 screw ③ , 1 screws ④ and detech AC cord ⑤ .
3. Remove the 1 screw ⑥ , 6 screws ⑦
4. Detach the Rear Cabinet Ass'y .



2. Removing of the Bottom Bracket and speaker L/R

1. Remove 4 screw bottom bracket (1)
2. Disconnect SP wayer & remove speaker from L / R panel bosses (2)
3. Remove 1 screw from front angle L/R & remove front angle (3)
4. Disconnect PD,LW,RA & remove 3 screw main unit (4)
5. Disconnect LED wire & remove 4 screw sub main unit (5)



3. Removing of the LCD Panel Module

1. Detech the 10 lock hook (1) refer figure 1.

2, and detech the LCD Module (2)

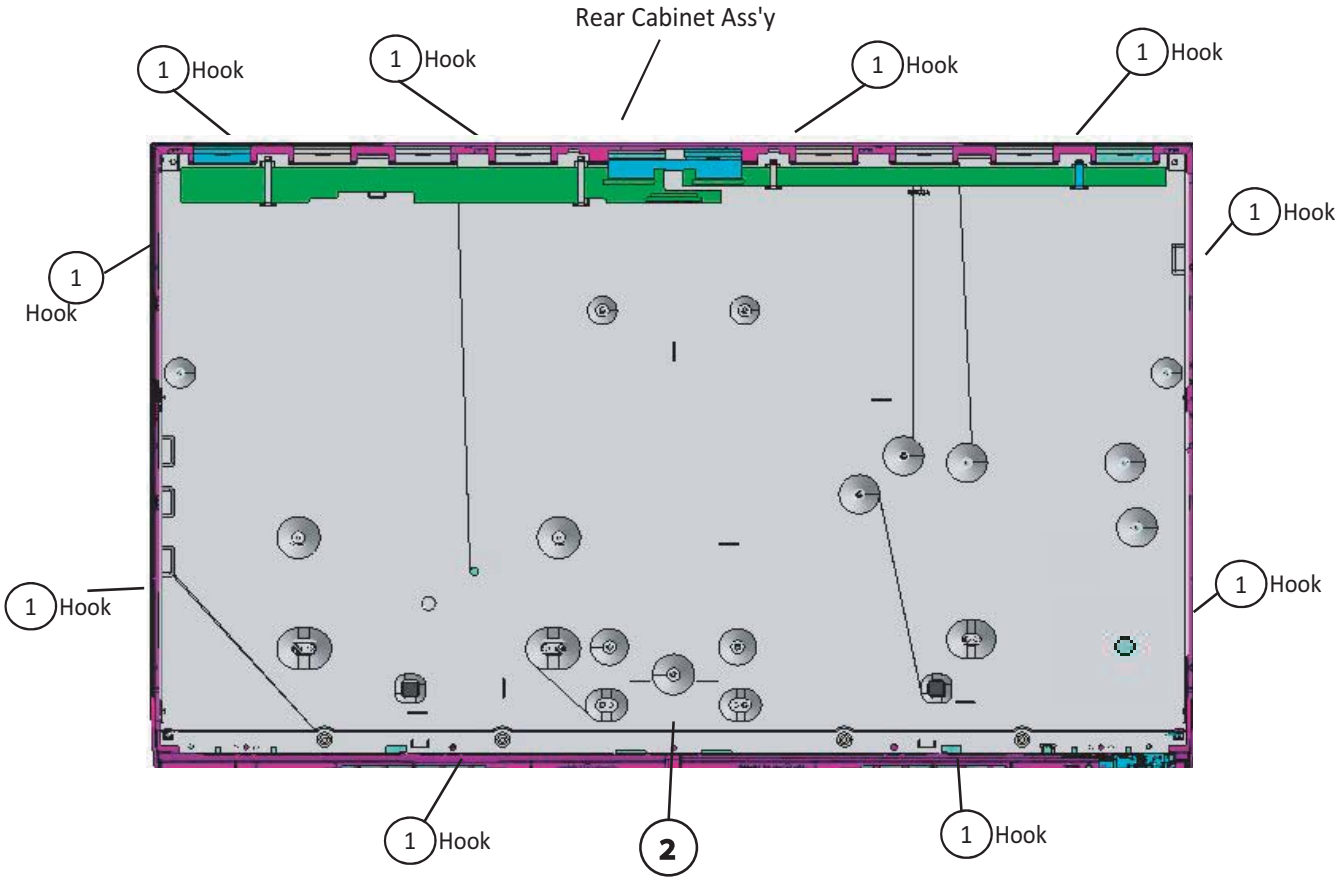
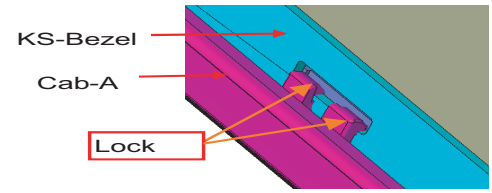


Figure 1



Note:
Make sure perfectly detech lock

CHAPTER 6. ADJUSTMENT

[1] ADJUSTMENT

[1] ADJUSTMENT PROCEDURE

1. Entering and cancel the adjustment process mode

1) While holding down the TV/VIDEO and Volume DOWN keys at the same time, plug in the AC cord to turn on the power. ("K" standing for inspection process mode is displayed on the upper left position of the screen.)
2) Press the Channel DOWN and Volume DOWN keys at the same time. (The adjustment process mode screen appears.)
3) To cancel it, turn off the power using the Power switch or remote control.

2. Remote controller key operation and description of display in adjustment process mode.

1. key operation

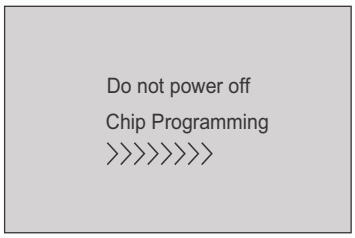
Remote controller key	Main unit key	Function
CH (∧ / ∨)	CH (∧ / ∨)	Changing channel (UP/DOWN)
VOL (+ / –)	VOL (+ / –)	Changing volume (UP/DOWN)
Cursor (▲ / ▼)	————	Turning a page (PREVIOUS/NEXT)
Cursor (◀ / ▶)	————	Changing a selected line setting (+10/-10)
INPUT button on remote controller	INPUT button	Input source switching (toggle switching) (TV-DAV-1/SAV-1 → AV-2 → COMPONENT → HDMI → PC)
ENTER	————	————

* Input mode is switched automatically when relevant adjustment is started so far as the necessary input signal is available.

3. Software upgrading.

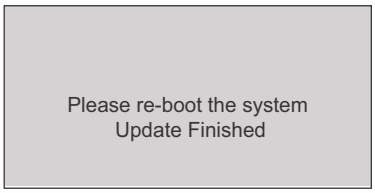
1) Plug off the LCD TV.
2) Insert the USB device to the USB terminal at the LCD TV.
   (Make sure that the latest software is installed in the USB device).
3) Hold the LCD TV power key and plug on the LCD TV.
4) LCD TV is on and detecting the USB device.

5) A few seconds later, the software upgrading will start automatically.



6) Let the process running & entering verification.

7) Software is successfully installed when the following appears at the end of the process.



8) Plug off the LCD TV and plug ON again as usual.

9) LCD TV is running with the latest software.

4. EDID DATA INPUT

4.1. HDMI EDID

A. HDMI EDID

NO.	ITEM	CONDITION	PROCEDURE
1	EDID INPUT (HDMI)	Inspection mode Confirm the file name/version.	1. EDID data is input to IC1501 (HDMI1) ※1 2. EDID data is input before HDMI operation checking. (Without EDID data, HDMI will not function correctly)

B. ANALOG PC EDID

NO.	ITEM	CONDITION	PROCEDURE
1	EDID INPUT (ANLOG PC)	Inspection mode Confirm the file name/version.	1. EDID data is input to IC508 (PC INPUT) at checker line. ※2 2. EDID data is input before Analogue PC operation checking.

※1 HDMI EDID file name: edid_32LE340_HDMI1_111019.bin

※2 PC EDID file name : 32LE340 PC EDID111019.bin

Main Software Package

Model	Software Package
32LE350M	ORCD_MM_Asia_Pack15_vXXX.bin

Main Software Filename : XXX is Software version

If any changes of software, will be informed by MARUHEN.

2. SIGNAL ADJUSTMENT

A. PICTURE ADJUSTMENT

Confirmation of signal from generator (setting to spec level)

PAL Composite signal		: 0.7Vp-p ± 0.02Vp-p (pedestal to white level)
15K Component signal (50Hz)	: Y level	: 0.7Vp-p ± 0.02Vp-p (pedestal to white level)
	Pb, Pr level	: 0.7Vp-p : 0.7Vp-p ± 0.02Vp-p
33K Component signal	: Y level	: 0.7Vp-p ± 0.02Vp-p (pedestal to white level)
	Pb, Pr level	: 0.7Vp-p : 0.7Vp-p ± 0.02Vp-Com

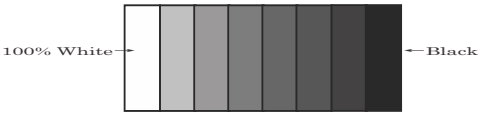
a) Adjustment Mode

NO.	ITEM	CONDITION	PROCEDURE
1	Adjustment Mode		Press the test key at the test remote control

b) Component 15K 50Hz Signal Adjustment (COMP-SD)

NO.	ITEM	CONDITION	PROCEDURE
1	Setting	[Signal] COMP 15K 50Hz (576i) 100% Full-field Colour Bar [Terminal] COMPONENT INPUT 3	・Feed the COMPONENT 15K 50Hz (576i) 100% Full-field Colour Bar signal(100% colour saturation) to COMPONENT INPUT 3 
2	Auto Adjustment	Test Mode page 4 (COMP SD)	At the related page, move cursor to [COMP SD ADJ], press ENTER. [OK] appears when finished.

c) Component 33K 60Hz Signal Adjustment (COMP-HD)

NO.	ITEM	CONDITION	PROCEDURE
1	Setting	[Signal] COMP 33K 60Hz (1080i) 100% Full-field Colour Bar [Terminal] COMPONENT INPUT 3	・Feed the COMPONENT 33K 60Hz (1080i) 100% Full-field Colour Bar signal(100% colour saturation) to COMPONENT INPUT 3 
2	Auto Adjustment	Test Mode page 5 (COMP HD)	At the related page, move cursor to [COMP HD ADJ], press ENTER. [OK] appears when finished.

d) PC (ANALOG RGB) Signal Adjustment (PC-RGB)

NO.	ITEM	CONDITION	PROCEDURE
1	Setting	[Signal] XGA 60Hz 100% Checkered Pattern [Terminal] PC INPUT 4	・Feed the XGA 60Hz 100% Checkered pattern signal (100% colour saturation) to PC INPUT ※Please make sure SYNC is OFF. 
2	Auto Adjustment	Test Mode page 6 (PC-RGB)	At the related page, move cursor to [RGB ADJ], press ENTER. [OK] appears when finished.

B. WHITE BALANCE ADJUSTMENT

a) White Balance Adjustment

NO.	ITEM	CONDITION	PROCEDURE
1	Setting	Backlight : MAX AV Mode : DYNAMIC Active Backlight : OFF Set the luminance meter on the centre of the screen	For the details of white balance adjustment procedure, please refer to white balance adjustment spec for Kameyama model. 1. Confirm the set condition. 2. Connect the white balance jig. 3. Through RS-232C command, adjustment mode screen is displayed.
2	Auto Adjustment	[command] Adjustment Mode KRSW0001 KKT10037 Setting KYOF0001 OSDS0001 SBSL0016 Multi point adj. Mode MSET0000 WBI20255 Point 2 WBI20229 MG2G**** MG2B**** MG2R**** Point 1 WBI10040 MG1G**** MG1B**** MG1R**** Write MSET0003 Set Max.Level MGMG**** MGMR**** MGMB****	[Adjustment Procedure] 1. Using the R/C, set the LCD TV to adjustment mode. 2. Measure max. brightness L_{max}. 3. Calculate min. brightness $L_{min} = L_{max} / 5000$. 4. Measure Point 2 brightness (L_{high}) 5. Set the reference value R,G,B of Point 2 (R2) = 3664 x (229 / P2) where P2 = 255 x $[(L_{high} - L_{min}) / (L_{max} - L_{min})]^{1/2.2}$ 6. Set the specified gradation for point 2, fix the most faint colour to get reference value, adjust others 2 colour to minus adjustment for reference value of point 2. 7. Measure Point 1 brightness (L_{low}). 8. Set the reference value R,G,B of Point 1 (R1) = 640 x (40 / P1) where P1 = 255 x $[(L_{low} - L_{min}) / (L_{max} - L_{min})]^{1/2.2}$ 9.Set the specified gradation for point 1. Set G of point 1 to the default value [(R1 x G value of point 2 / R2), with fractions rounded] and adjust RB to the reference value of point 1 10. Adjusted value is writing at [command] MSET0003. 11. Set the G of point Max. to the default value (4080 x G value of point 2 / R2). Set the R,B Max. value [G_{max} – G value of point 2 + (R,B value of point 2)] 12. Calculate the slope $R2_{slope}$, $G2_{slope}$, $B2_{slope}$ between MAX and Point2. $R2_{slope} = (R_{max} - R_{high})/(4080-3664)$ 13.Calculate the correction value ΔR_{high}, ΔG_{high}, ΔB_{high}. $\Delta R_{high} = R2_{slope} \times (3840-3664)$ 14.Set the reference value R,G,B of point 2 (R2')=R2+ΔR_{high} 15. Calculate the slope $R1_{slope}$, $G1_{slope}$, $B1_{slope}$ between Point2 and Point1. $R1_{slope} = (R_{high} - R_{low})/(3664-640)$

			16.Calculate the correction value ΔR_{low}, ΔG_{low}, ΔB_{low}. $\Delta R_{low} = R1_{slope} \times (717-640)$ 17.Set the reference value R,G,B of point 1 (R1')=R1+ΔR_{low} 18.Shut down the AC power. ※Initial value at RGB 2 point : 3664 ※Initial value at RGB 1 point : 640 [Adjustment value] ☆Teaching set send by engineering dept is set as reference. [Reference values for adjustment reference] Equipment : Luminance meter [Minolta CA-210]

	Level	Spec Data	Adjustment Spec.	Inspection Spec.
Point 2 ref. values	229	x=0.272 y=0.277	0.0010	0.0020
Point 1 ref. values	40	x=0.272 y=0.277	0.0045	0.0090

Ref. : For inspection, set the LCD TV as below.

AV MODE : [DYNAMIC] (Reset)

Aging Time : Minimum 30 minutes

3. FACTORY SETTING

AC power is plug off after shipment setting is done.

Caution: Do not plug on again after shipment setting is done. If do, please re-do the shipment setting. Do not off with remote control.

ITEM	CONDITION	PROCEDURE
Factory setting	AC power off to exit the factory setting.	1. Setting is done with test remote control. 2. Press the 'Factory Setting' key on the remote control continuously. 3. When Green background appears on screen and 'K' mark disappears, setting is completed.
		The followings are initialised to factory setting: 1) User setting 2) Channel data (e.g. broadcast frequencies) 3) Manufacturer's option settings 4) Password data 5) Setting values are set based on model destination

Model Name	Factory Setting Key Name	Remote Control Code	S-System Setting	OSD Language Setting
A3KLG3VSZ/J/I/Y/B/N/M	M-Setting	100000001010110	B/G	ENGLISH
A3KLG3VSP	P-Setting	100000001011110	M	ENGLISH

**Please do inspection for A3KLG3VSP using NTSC signal.

[2] USB Clone (Smart Loader)

1. Description

The Smart Loader is a function implemented in the service software to easily replicate the user settings of one TV into another.
These settings include (but not restricted to): picture and audio, turning set-up, language and country selection, PIN, child locked programs etc.
Factory adjustments are not copied as they are different for every TV.

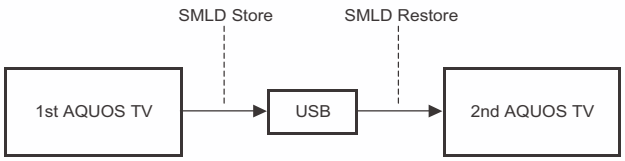
The Smart Loader makes possible the user data to be stored in a memory device connected to the USB terminal of the TV that is used as reference and later load those data into other TVs by using their respective USB terminal.

2. How it works

1. Enter USB clone menu (Smart Loader)
   i) Press panel key [INPUT] and [VOL+] and AC on, it will go to password entry OSD

   ii) Enter digit “369” then it will go to Smart Loader Menu

2. Smart Loader function



   i) SMLD Store
      • To copy all related data from TV -> USB and put under a fixed filename “SHP_SMLD.bin” (8kB).

   ii) SMLD Restore
      • To restore the related data from USB -> TV.

   iii) SMLD Store and Restore execution
      • To execute SMLD Store or SMLD Restore, highlight at selected item and press Enter.
      • When copying is in process, “WAIT” is displayed.
      • After cloning process is done, “OK” is displayed.
        If cloning process is not finished due to error (e.g. no pendrive detected), “NG” is displayed.

3. Exit USB Clone menu (Smart Loader)
   i) To exit Smart Loader menu, plug off AC Cord.

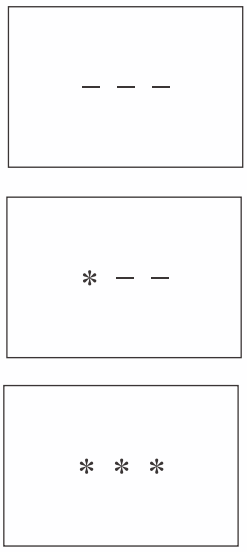
[3] PUBLIC MODE SETTING PROCEDURE

1. How to start Public Mode

- There are the following two ways to get the public mode setup screen displayed.

①

1) Press the “INPUT” and “VOL (+)” keys on the set at once and turn on the power.
2) Get the password input screen displayed.



Procedure

- The input starts with the leftmost digit.
- Use the numeric keys [1] thru [9] and [10/0] keys on the remote controller.
  The other keys are not acceptable.
- With a numeric-key input, “–” will change to “✻“. The input position will move one digit to the right.
- With all the 3 digits entered, the password will be verified.

3) The 3-digit password is now verified.

   The password [0] [2] [7] provides for the public mode screen. (This screen comes on with whatever adjustment process settings.)

   With any other passwords, the screen changes to the normal mode.

②

In the adjustment process mode, turn on “PUBLIC MODE”. Also press the “CH (∧)” and “VOL (+)” keys on the set at once and turn on the power.

2. How to exit Public Mode

There are the following ways to quit the public mode setup screen.

- Turn off “PUBLIC MODE” in the adjustment process mode. (☆) ← This way alone is not for quitting the setup screen, but for quitting the mode by itself.
- Turn off the power with the “POWER” key. (★)
- Select “EXECUTE”.(★)

★ ••• “PUBLIC MODE” stays on in the adjustment process mode.

☆ ••• The settings will be back to the factory ones.

3. Public Mode Setting Values

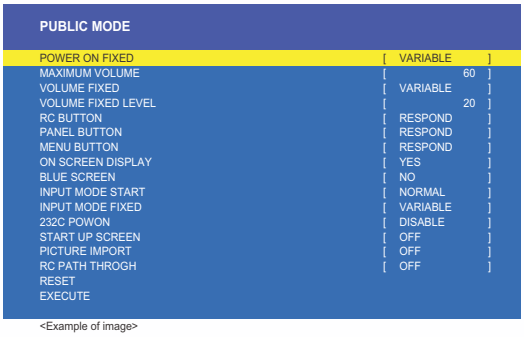
- With the factory settings made, the public mode settings get initialized. (The adjustment process remains intact.)

4. Public Mode Menu

The guidance is not displayed onscreen.

Setup procedure

- To move the cursor up and down, use the “cursor UP/DOWN” key (remote controller) and “CH (^)/(v)” key (remote controller and set).
- To change the settings, use the “cursor RIGHT/LEFT” key (remote controller) and “VOL (+)/(–)” key (remote controller and set).
- To save new settings, keep the cursor at “Execute” and use the “cursor RIGHT/LEFT” key (remote controller) and “VOL (+)/(–)” key (remote controller and set).



<Example of image>

5. On Setting Items

1. POWER ON FIXED

Selection	Variable/Fixed
Default	Variable
Explanation	When set to “Fixed”, the power cannot be turned off with the power key on the remote control or main unit, and the image reception state is kept (it does not enter the standby state). The power can be turned off by shutting off power supply from AC.
Limit in setting	• Power key on the main unit/remote control power supply key • OFF timer/ON timer
Exception	None
Remarks	• Selection of “FIXED” assumes use of STB, etc. • When set to “Variable”, if the main power switch is set to off, the power is turned off after a wait of 1 second. (Push-push switch only) • Display ON/OFF in the hotel menu is controlled by the adjustment process “HOTEL POWERFIX”. • When the power button is operated, a caution is displayed (it times out in 5 seconds). (For the caution, refer to the power on fixed message sheet.) * The caution is not displayed when in the adjustment process, hotel menu, default setting, MCL operation and auto preset (Ch search operation). The OSD display including the menu and this caution have priority over all others. When “OSD display” (described below) is set to “Variable”, this caution is displayed as a special case.

2. MAXIMUM VOLUME

Selection	Adjustment from 1 to 60 (no loop)
Default	60
Explanation	Sound volume can not be adjusted higher than the preset value.
Limit in setting	• When the sound volume is set lower than 59, only figures are displayed and the sound volume bar is not displayed. • The maximum sound volume for ON-timer (Wake up timer) is limited also to the preset value.
Exception	• In the item “VOLUME” of adjustment process, the sound volume can be set freely irrespective of this setting.
Remarks	• Setting is valid only for the speakers of the unit. (As for the headphone, the sound volume can be set up to 60 irrespective of the limit.) • In line output (sound volume variable), the sound volume can be adjusted from -60 to 0 irrespective of pre-adjusted value. • When the sound volume is set higher than the MAX setting by the adjusting process or headphone, the sound volume control operation is prohibited for turn-up and the sound volume should be turned down to MAX in this state.

8. ON SCREEN DISPLAY

Selection	Selection between “Yes”, “No” (loop provide)
Default	Yes
Explanation	The following OSD displays are made ineffective. Displays of menu group, channel call, sound volume bar and direct key call
Limit in setting	• Set time of the OFF-timer (SLEEP TIMER) is cleared. • Setting of the no-signal power-OFF (AUTO POWER OFF) is cleared to “OFF”. • Setting of the no-operation power-OFF is cleared to “OFF”. • Keys falling under any of the following items become invalid. 1) Appearance of screen changes and the sound changes. 2) Personal functions which are hard to restore. Ex.) Screen display, menu, OFF-timer, ON-timer, AV MODE, screen size switching, clock setting, treble emphasis, AUDIO ONLY, sound changeover, LANGUAGE, CLOSED CAPTION
Others	• Simple input switching is generated. Those which are restored soon after leaving as they are and may be requested for change by customer are not prohibited. Ex.) Brightness sensor (BACKLIGHT) and PIC. FLIP
Exception	• Such a caution which is displayed independently is displayed as it is. Non-responding signal caution, TELE TEXT caution and power-ON fixing caution

9. BLUE SCREEN

Selection	Selection between “Yes”, “No”
Default	No
Explanation	When no signal inputs, selecting the background color. Selected to “Yes”---Blue screen Selected to “No”---No Blue screen

10.INPUT MODE START

Selection	Selection between “Normal”, “TV (CH~)” “INPUT1~8” (loop provide)
Default	Normal
Explanation	In power-ON, the input source to be started or channel can be set. (In standard mode, the operation follows the last memory.)
About options	• All the input sources in the model are made selectable. • When the input/output switchable input source is selected and the input source is set to output, the setting of input/output switching is changed to input at the execution of hotel menu. In addition, the input/output switching by menu is prohibited. • In TV mode, the display of all channels is stopped and it is treated as an input source. At this time, the channel to be set follows the last memory and the content of the last memory is included in the notation by options. Ex.) TV (CH2), TV (CH4) etc. • The order of appearance of options in the hotel menu should agree with the order of toggles by input switching key.
Limit in setting	• The display of channel setting menu and the channel setting operation are prohibited (except for MCL).
Exception	None
Remarks	• In setting at “Normal”, the setting of “Input mode fixed” is changed to “Variable” and selection should be prohibited.

11. INPUT MODE FIXED

Selection	Selection between “Variable” and “Fixed” (loop provide)
Default	– (Variable)
Explanation	The input mode is fixed at the input source or the channel set at the “Input mode start” in 9 and other input sources and channels can be made non-selectable.
Limit in setting	• With the execution of hotel mode, the input source is forced to change to that set by “Input mode start” and the channel switching and input switching are prohibited thereafter. • The following keys are invalidated. CH ▲ ▼, direct tuning button, FLASHBACK, input *However, the keys (input switching and CH ▲ ▼, keys) of the unit for menu operation remain valid.
Exception	None
Remarks	• In the following case, setting is cancelled and mode is changed to “Variable”. ① When the setting of “Input mode start” is set to “Standard (Normal)”

12.232C POWON

Selection	“Enable” and “Disable”
Default	Disable
Explanation	When in the standby state, power ON by the RS-232C command is enabled or disabled.
Limit in setting	None
Exception	None
Remarks	RS-232C power ON command “POWR1_ _ _ ⏎”

8. ON SCREEN DISPLAY

Selection	Selection between “Yes”, “No” (loop provide)
Default	Yes
Explanation	The following OSD displays are made ineffective. Displays of menu group, channel call, sound volume bar and direct key call
Limit in setting	• Set time of the OFF-timer (SLEEP TIMER) is cleared. • Setting of the no-signal power-OFF (AUTO POWER OFF) is cleared to “OFF”. • Setting of the no-operation power-OFF is cleared to “OFF”. • Keys falling under any of the following items become invalid. 1) Appearance of screen changes and the sound changes. 2) Personal functions which are hard to restore. Ex.) Screen display, menu, OFF-timer, ON-timer, AV MODE, screen size switching, clock setting, treble emphasis, AUDIO ONLY, sound changeover, LANGUAGE, CLOSED CAPTION
Others	• Simple input switching is generated. Those which are restored soon after leaving as they are and may be requested for change by customer are not prohibited. Ex.) Brightness sensor (BACKLIGHT) and PIC. FLIP
Exception	• Such a caution which is displayed independently is displayed as it is. Non-responding signal caution, TELE TEXT caution and power-ON fixing caution

9. BLUE SCREEN

Selection	Selection between “Yes”, “No”
Default	No
Explanation	When no signal inputs, selecting the background color. Selected to “Yes”---Blue screen Selected to “No”---No Blue screen

10.INPUT MODE START

Selection	Selection between “Normal”, “TV (CH~)” “INPUT1~8” (loop provide)
Default	Normal
Explanation	In power-ON, the input source to be started or channel can be set. (In standard mode, the operation follows the last memory.)
About options	• All the input sources in the model are made selectable. • When the input/output switchable input source is selected and the input source is set to output, the setting of input/output switching is changed to input at the execution of hotel menu. In addition, the input/output switching by menu is prohibited. • In TV mode, the display of all channels is stopped and it is treated as an input source. At this time, the channel to be set follows the last memory and the content of the last memory is included in the notation by options. Ex.) TV (CH2), TV (CH4) etc. • The order of appearance of options in the hotel menu should agree with the order of toggles by input switching key.
Limit in setting	• The display of channel setting menu and the channel setting operation are prohibited (except for MCL).
Exception	None
Remarks	• In setting at “Normal”, the setting of “Input mode fixed” is changed to “Variable” and selection should be prohibited.

11. INPUT MODE FIXED

Selection	Selection between “Variable” and “Fixed” (loop provide)
Default	– (Variable)
Explanation	The input mode is fixed at the input source or the channel set at the “Input mode start” in 9 and other input sources and channels can be made non-selectable.
Limit in setting	• With the execution of hotel mode, the input source is forced to change to that set by “Input mode start” and the channel switching and input switching are prohibited thereafter. • The following keys are invalidated. CH ▲ ▼, direct tuning button, FLASHBACK, input *However, the keys (input switching and CH ▲ ▼, keys) of the unit for menu operation remain valid.
Exception	None
Remarks	• In the following case, setting is cancelled and mode is changed to “Variable”. ① When the setting of “Input mode start” is set to “Standard (Normal)”

12.232C POWON

Selection	“Enable” and “Disable”
Default	Disable
Explanation	When in the standby state, power ON by the RS-232C command is enabled or disabled.
Limit in setting	None
Exception	None
Remarks	RS-232C power ON command “POWR1_ _ _ ⏎”

13.RC PATH THROUGH

Selection	“Off”, “On: TV RCE”, “On: TV RCD”
Default	Off
Explanation	Remote control signal output from the pin 9 of the RS-232C terminal and signal reception is enabled or disabled. When set to “ON: TV RCE”, TV also receives signals. With “ON: TV RCD”, the remote control signal is output from the pin 9, but TV does not respond to the remote control.
Limit in setting	When set to “ON: TV RCD”, TV does not accept the remote control.
Exception	None
Remarks	

CHAPTER 7. TROUBLESHOOTING TABLE

[1] TROUBLESHOOTING TABLE

[1] TROUBLESHOOTING TABLE

No power (front LED failure to light up) or no startup (front LED failure to turn from red to green)

↓

Are the wire harnesses and other cables properly connected in the set?	NO →	Reconnect the wire harnesses and other cables properly in the set.

↓ YES

Is there the AC_CTRL and PNL_POWER signal input at pins (126) and (127) of IC3301?	NO →	Check the AC_CTRL signal line PNL_POWER signal line.

↓ YES

Are the DC/DC converter outputs and the output voltages along the control lines as specified? 1) M+5.6V (IC9603) 2) D+1.26V (IC9605) 3) D+5V (IC9610) 4) B4+5V (IC9603) 5) D+3.3V (IC9608) 6) D+1.8V (IC9609) 7) D+2.5V (IC9611) 8) B4+3.3V (IC9607)	NO →	Check the DC/DC converters and the control lines. Replace defective parts as required.

With [RF] signal input **No video onscreen (1)**

↓

No video in the UHF/VHF reception

↓

Is there IF output from the tuner pin(10) of TU1101 as specified? NO → Check TU1101 and its peripheral circuits.

↓ YES

Is there VIF input at pin 74 & 75 of IC3301? NO → Check the circuit between TU1101 & IC3301.

↓ YES

Are there the signal outputs (pin 100-107, 109,110) of IC3301? NO → Check IC3301 and its peripheral circuit.

↓ YES

Check LVDS cable, LCD controller (incl. panel) and their peripheral circuits.

With <Video> signal input **No video onscreen (2)**

↓

No external input video onscreen <INPUT 2>

↓

Is INPUT 2 selected on the input select menu screen? NO → Select INPUT 2 on the input select menu screen to pick up the right input signal.

↓ YES

Is there the video signal input at pin (43) of IC3301? NO → Check the line between pin (9) of J502 and pin (43) of IC3301.

↓ YES

Are there the signal outputs (pin 100-107, 109,110) of IC3301? NO → Check IC3301 and its peripheral circuits.

↓ YES

Check LVDS cable, LCD controller (incl. panel) and their peripheral circuits.

With <Component> signal input **No video onscreen (3)**

↓

No external input video onscreen <INPUT 3>

↓

Is INPUT 3 selected on the input select menu screen?

NO → Select INPUT 3 on the input select menu screen to pick up the right input signal.

↓ YES

Are there the Y, Pb and Pr signal inputs at pins (36), (34) and (38) of IC3301 respectively?

NO → Check the line between pins (15)/(17)/(19)of J502 and pins (36)/(34)/(38) of IC3301.

↓ YES

Are there the signal outputs (pin 100-107, 109,110) of IC3301?

NO → Check IC3301 and its peripheral circuits.

↓ YES

Check LVDS cable, LCD controller (incl. panel) and their peripheral circuits.

With <HDMI> signal input **No video onscreen (4)**

↓

No external input video onscreen <INPUT 1>.

↓

Is INPUT 1 selected on the menu screen?

NO → Select INPUT 1 on the input select menu screen to pick up the right signal input.

↓ YES

Are there signal outputs from SC1501 to IC3301?

NO → Check peripheral circuits between SC1501 and IC3301.

↓ YES

Are there the signal outputs (pin 100-107, 109,110) of IC3301?

NO → Check IC3301 and its peripheral circuits.

↓ YES

Check LVDS cable, LCD controller (incl. panel) and their peripheral circuits.

No audio heard (1)

↓

No sound in the UHF/VHF reception.

↓

Is the IF output from the tuner pin (10) of TU1101 as specified? — NO → Check TU1101 and its peripheral circuits.

↓ YES

Is there the SIF signal input at pins (77), (78) of IC3301? — NO → Check IC3301 and its peripheral circuits.

↓ YES

Is there audio signal intput at pin(6) of IC1701? — NO → Check connection between IC3301 and IC1701 and its peripheral circuits.

↓ YES

Is the L-ch audio signal output at pin (26),(27) , (30),(31) of IC1701 normal?

Is the R-ch audio signal output at pin (10) , (11), (14) , (15), of IC1701 normal? — NO → Check IC1701 and its peripheral circuits.

↓ YES

Are the audio signal L-ch and R-ch output at (3)/(4) and (1)/(2) of P1701 normal? — NO → Check circuit between IC1701 & P1701.

↓ YES

Check speakers and their peripheral circuits.

No audio heard (2)

No external audio heard

<INPUT 2>

Is there the L-ch audio signal input from pin (7) of input terminal J502 to pin (47) of IC3301?
Is there the R-ch audio signal input from pin (5) of input terminal J502 to pin (48) of IC3301?

<INPUT 3>

Is there the L-ch audio signal input from pin (13) of input terminal J502 to pin (49) of IC3301?
Is there the R-ch audio signal input from pin (11) of input terminal J502 to pin (50) of IC3301?

↓ YES

Is there the I2S signal output at pin (80), (81) of IC3301?

NO → Check IC3301 and its peripheral circuits.

↓ YES

Is there audio signal input at pin(6) of IC1701?

NO → Check connection between IC3301 and IC1701 and its peripheral circuits.

↓ YES

Is the L-ch audio signal output at pin(26), (27) ,(30),(31) of IC1701 normal ?

Is the R-ch audio signal output at pin(10), (11),(14),(15) of IC1701 normal ?

NO → Check IC1701 and its peripheral circuits.

↓ YES

Are the audio signal L-ch and R-ch output at (3)/(4) and (1)/(2) of P1701 normal?

NO → Check circuit between IC1701 & P1701.

↓ YES

Check speakers and their peripheral circuits.

No audio heard (3)

No HDMI sound heard. <INPUT 1>
(*INPUT 1 is digital audio.)

Does the HDMI image appear onscreen?
NO → Refer to "<INPUT 1> in No external input video onscreen (HDMI)".

YES

No audio output from <INPUT 1>
NO → Check it if EDID is written or not.

YES

Are waveforms input in to the pin(3-6), (8), (9), (11), (12) of IC3301 normally?
NO → Check peripheral circuits IC3301.

YES

Is there audio signal input at pin(6) of IC1701?
NO → Check connection between IC3301 and IC1701 and its peripheral circuits.

YES

Is the L-ch audio signal output at pin(26), (27) ,(30), (31) of IC1701 normal?

Is the R-ch audio signal output at pin(10),(11),(14),(15) of IC1701 normal?

NO → Check IC1701 and its peripheral circuits.

YES

Are the audio signal L-ch and R-ch output at (3)/(4) and (1)/(2) of P1701 normal?
NO → Check circuit between IC1701 & P1701.

YES

Check speakers and their peripheral circuits.

No audio heard (4)

No sound from the HDMI sound input terminal.
(INPUT 1 analog audio)

↓ YES

Is there the L-ch audio signal input from pin (2) of external input terminal J506 (HDMI AUDIO IN) to pin (55) of IC3301?
Is there the R-ch audio signal input from pin (3) of external input terminal J506 (HDMI AUDIO IN) to pin (56) of IC3301?

↓ YES

Are I2S signal output from the pins (80), (81) of IC3301 normally? — NO → Check peripheral circuits of IC3301.

↓ YES

Is there audio signal input at pin(6) of IC1701? — NO → Check connection between IC3301 and IC1701 and its peripheral circuits.

↓ YES

Is the L-ch audio signal output at pin(26),(27),(30),(31) of IC1701 normal?
Is the R-ch audio signal output at pin(10),(11),(14),(15) of IC1701 normal? — NO → Check IC1701 and its peripheral circuits.

↓ YES

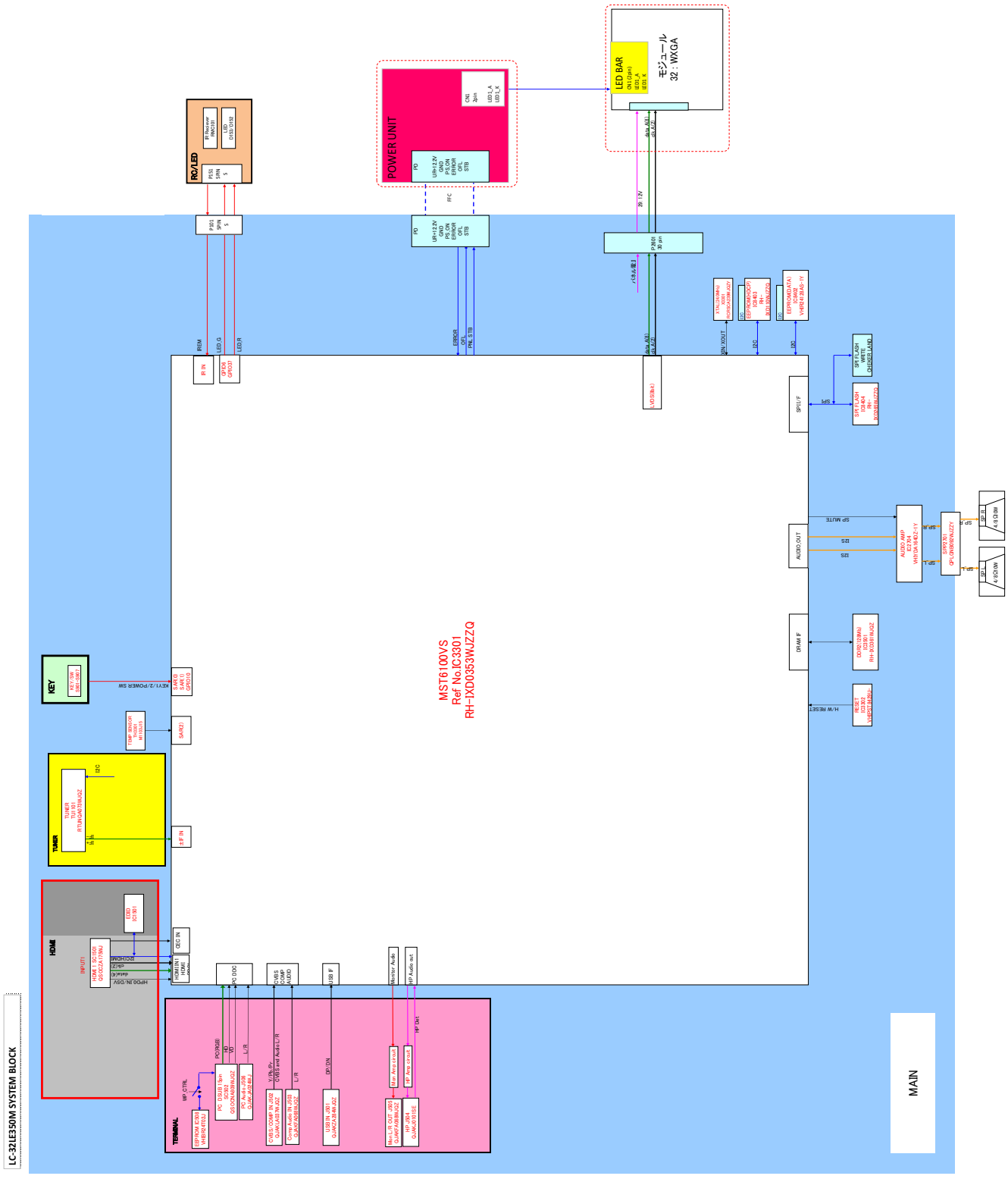
Are the audio signal L-ch and R-ch output at (3)/(4) and (1)/(2) of P1701 normal? — NO → Check circuit between IC1701 & P1701.

↓ YES

Check speakers and their peripheral circuits.

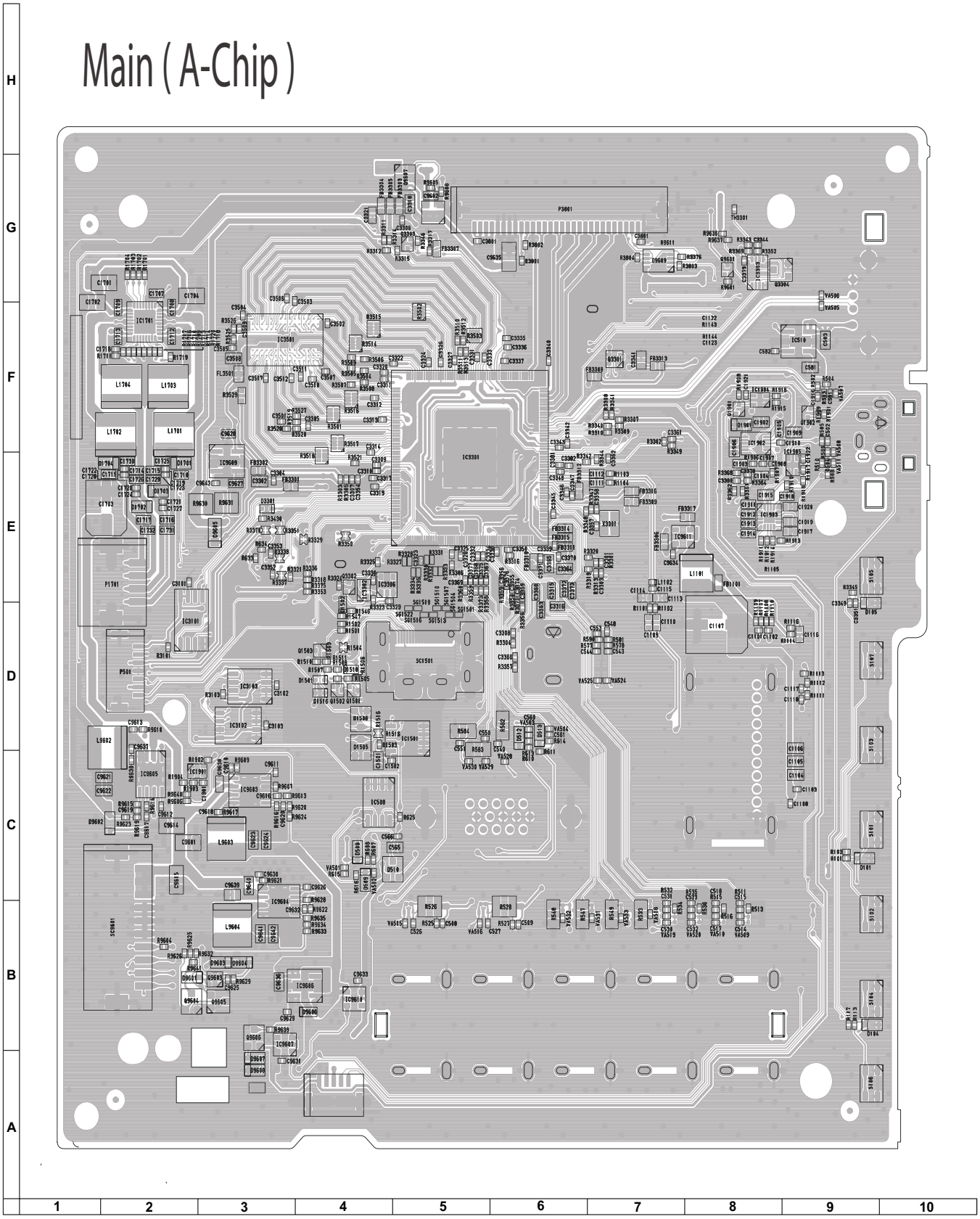
CHAPTER 8. OVERALL WIRING / BLOCK DIAGRAM

[1] SYSTEM BLOCK DIAGRAM

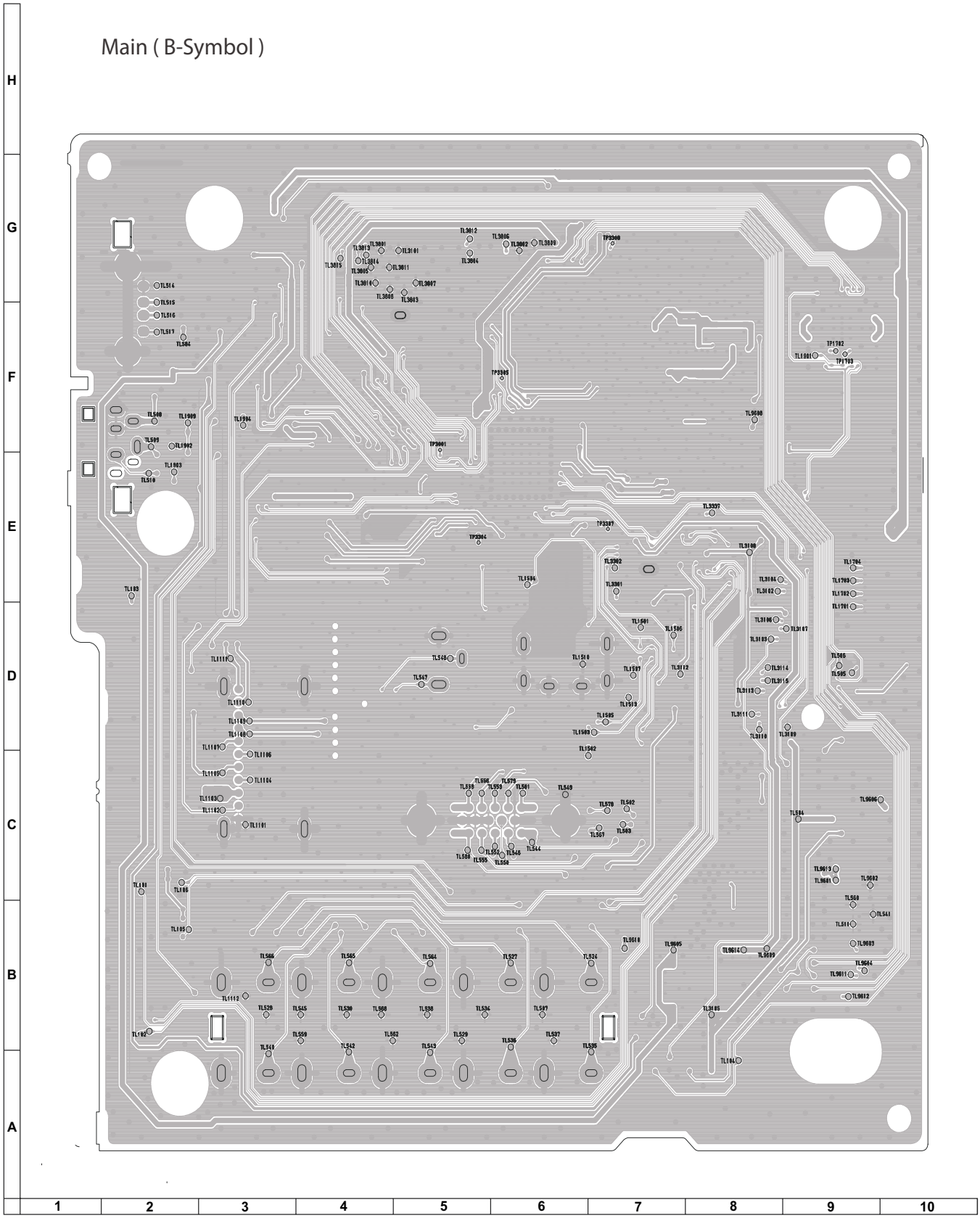


CHAPTER 9. PRINTED WIRING BOARD ASSEMBLIES

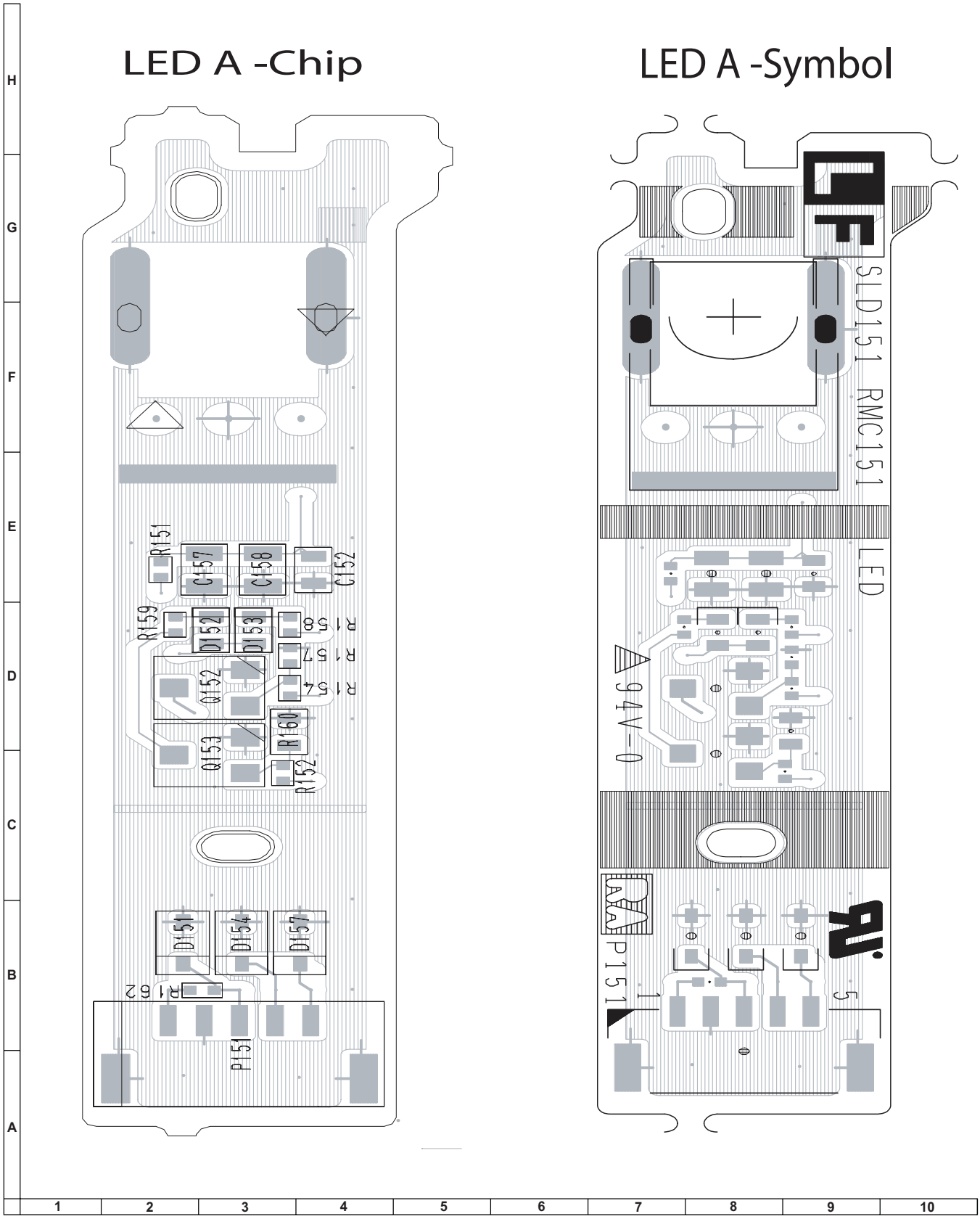
[1] MAIN Unit



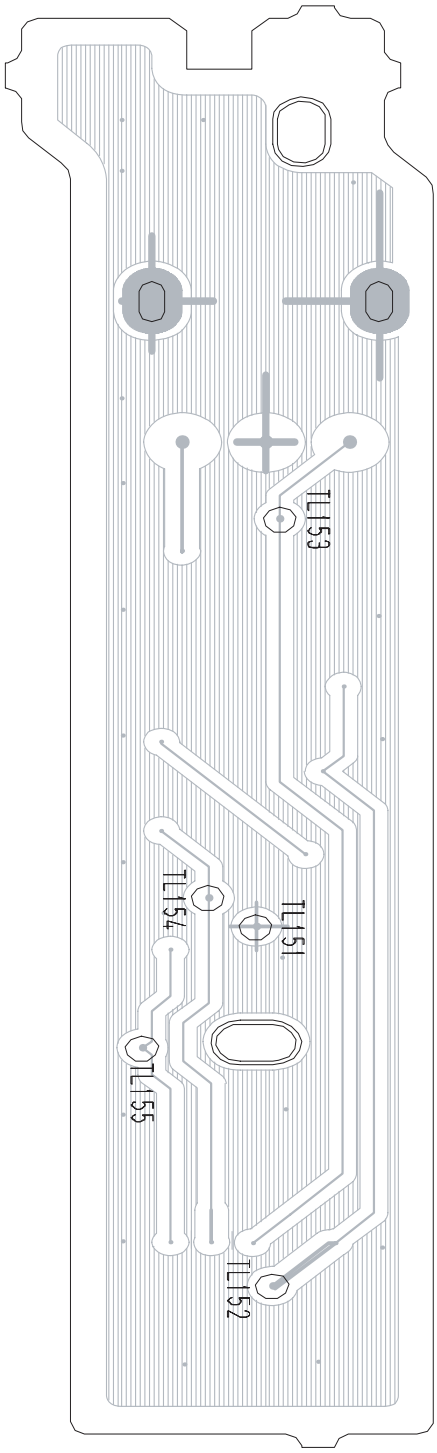
Main (B-Symbol)



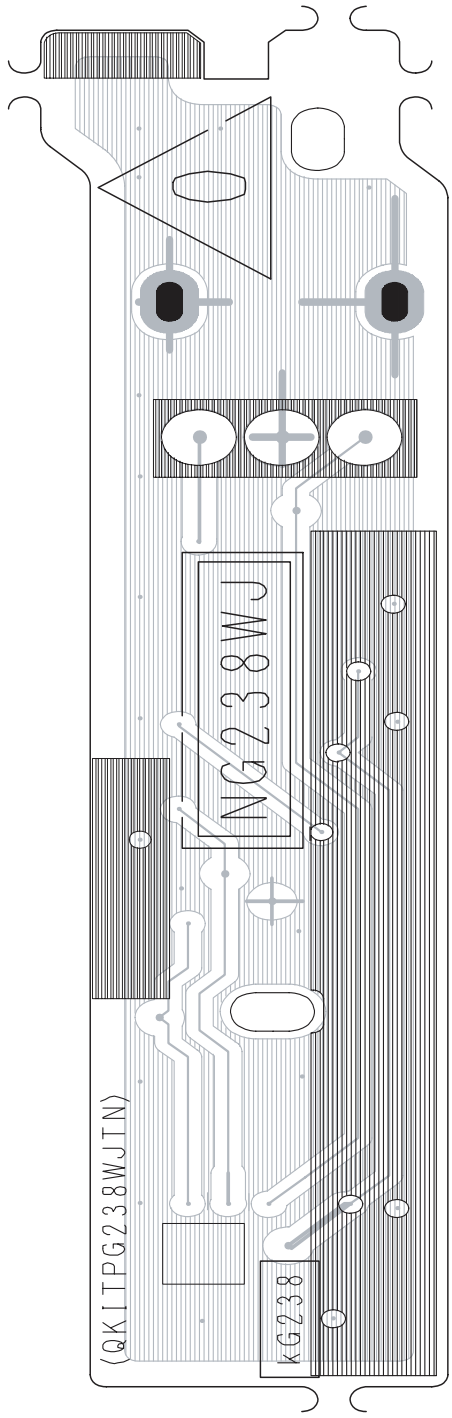
[2] LED_IR Unit


LED A -Chip
LED A -Symbol
SLD151 RMC151
LED
94V-0
P151
R151
C157
C158
C152
R159
D152
D153
Q152
Q153
R160
R152
D151
D154
D157
P151

LED B -Chip



LED B -Symbol



CHAPTER 10. SCHEMATIC DIAGRAM

[1] DESCRIPTION OF SCHEMATIC DIAGRAM

1. VOLTAGE MEASUREMENT CONDITION:

1) The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 110-240V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

2. INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1) The unit of resistance " " is omitted.

   (K=k =1000 , M=M).

2) All resistors are ± 5%, unless otherwise noted.

   (K= ± 10%, F= ± 1%, D= ± 0.5%)

3) All resistors are 1/16W, unless otherwise noted.

CAPACITOR

1) All capacitors are F, unless otherwise noted.

   (P=pF= F).

2) All capacitors are 50V, unless otherwise noted.

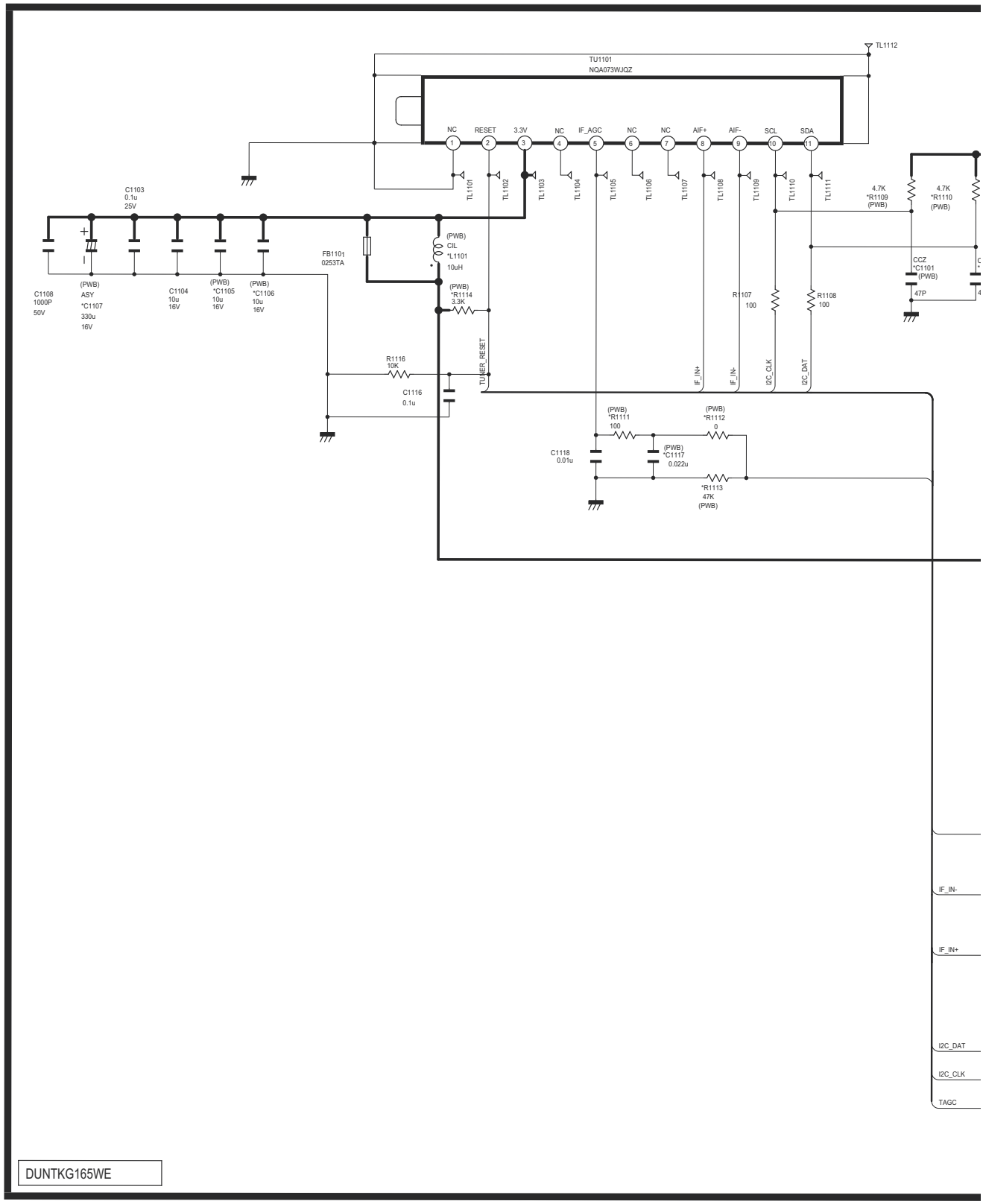
CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

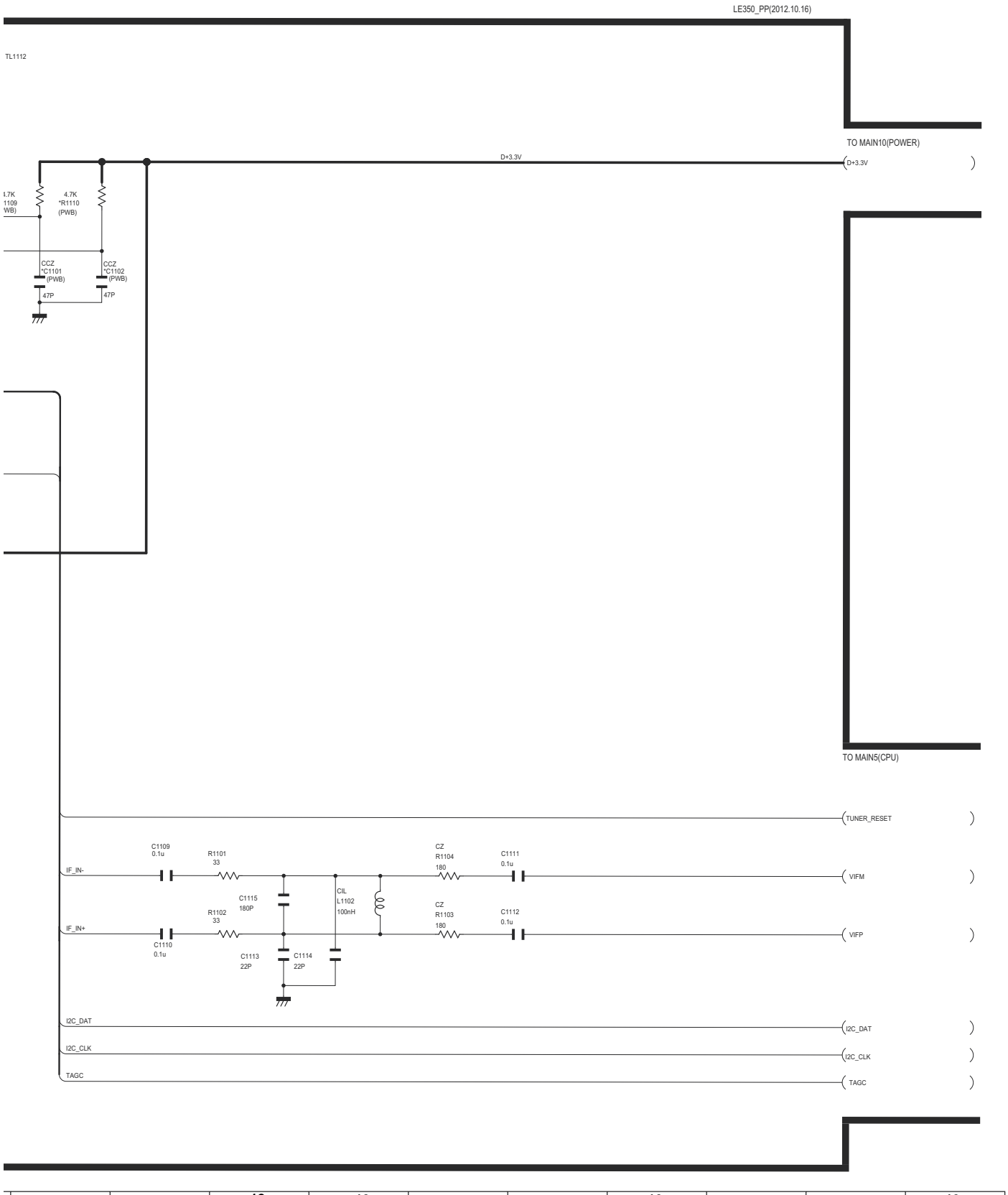
SAFETY NOTES:
1) DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2) SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH " ⚠ " ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

(MASTER)
LC-32LE350M

MAIN1 (TUNER)

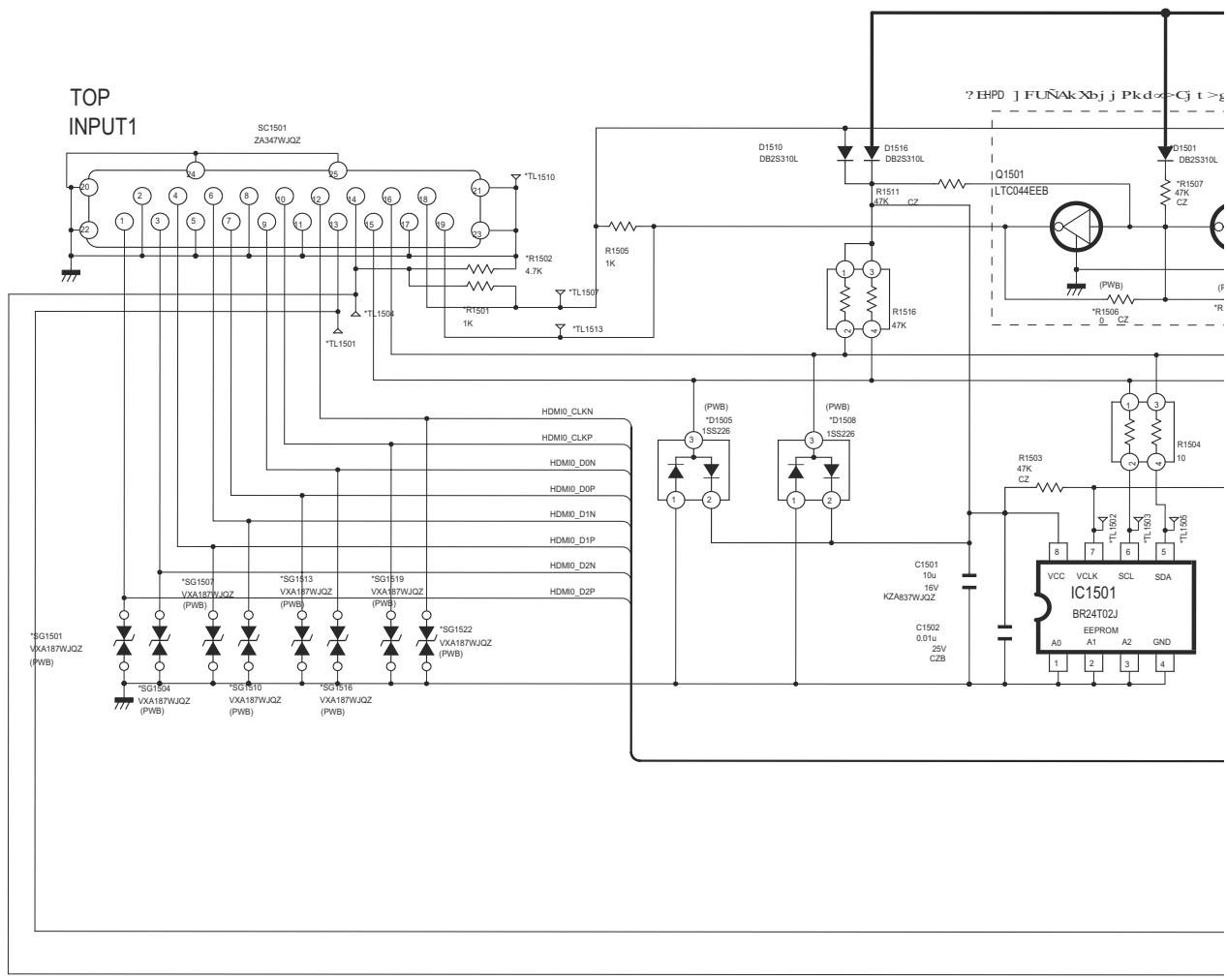




10	11	12	13	14	15	16	17	18	19

(MASTER)
LC-32LE350M

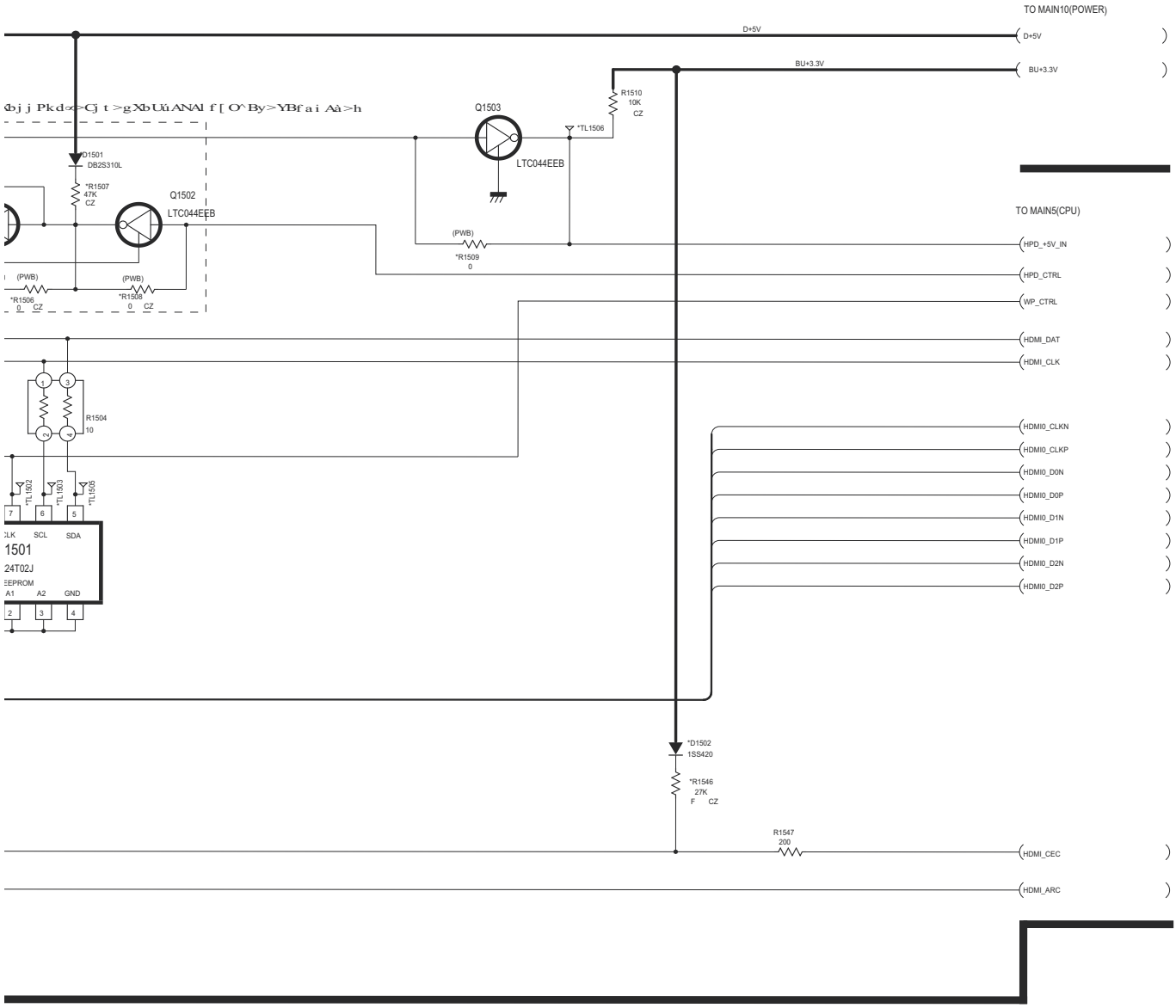
MAIN2 (HDMI-TERM)



DUNTKG165WE

M)

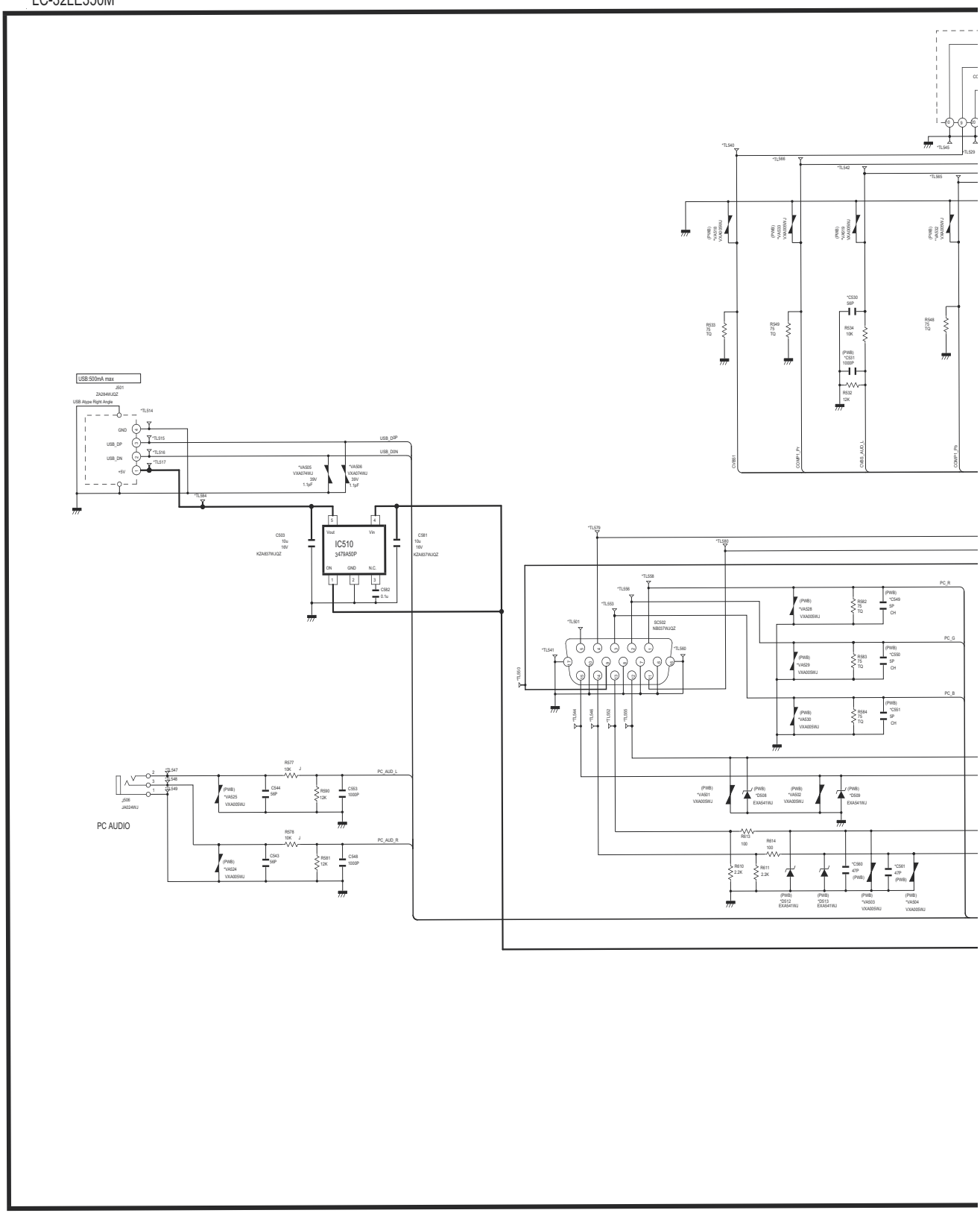
LE350_PP(2011.11.12)

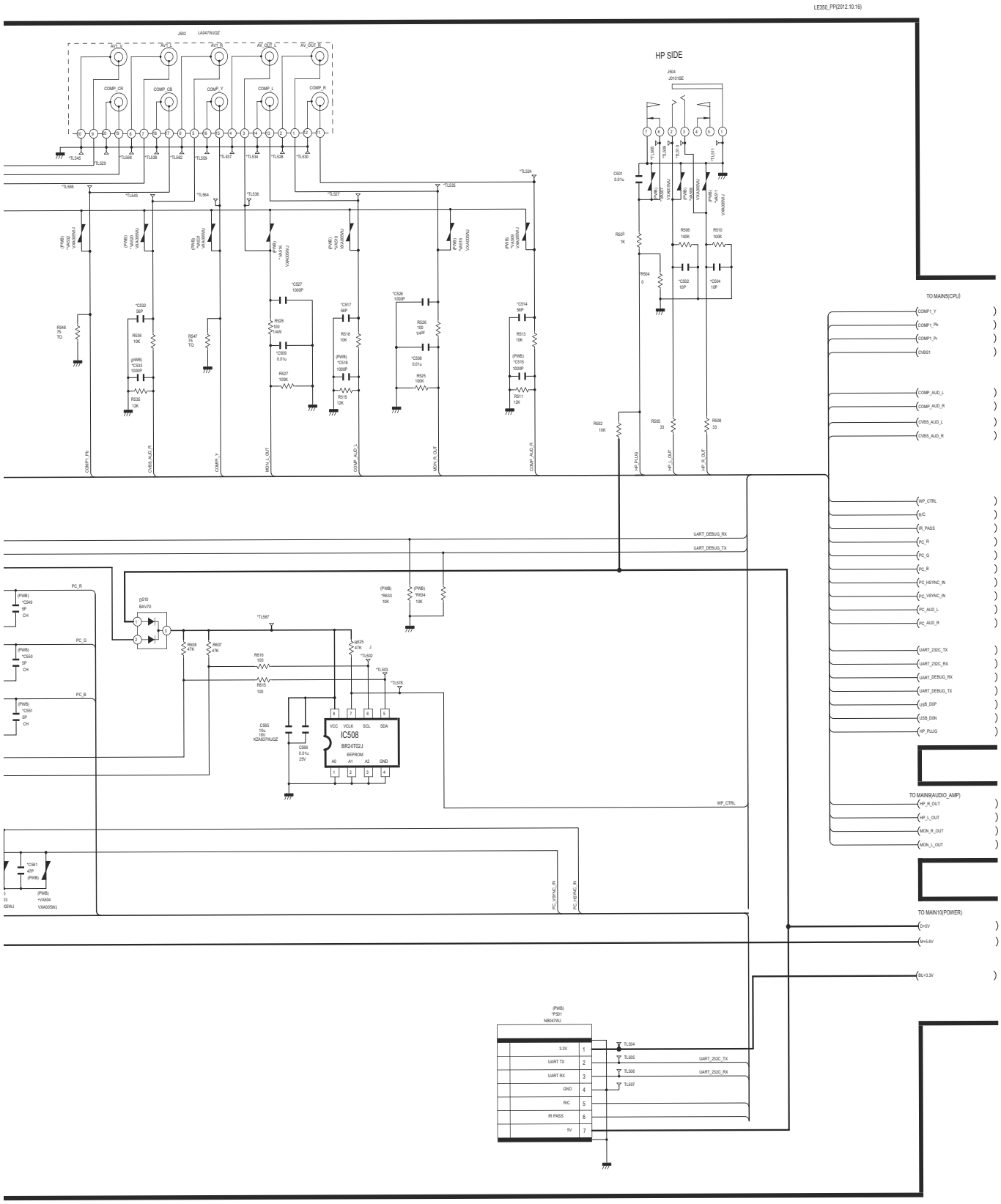


10	11	12	13	14	15	16	17	18	19

(MASTER)
LC-32LE350M

MAIN3(TERMINAL)





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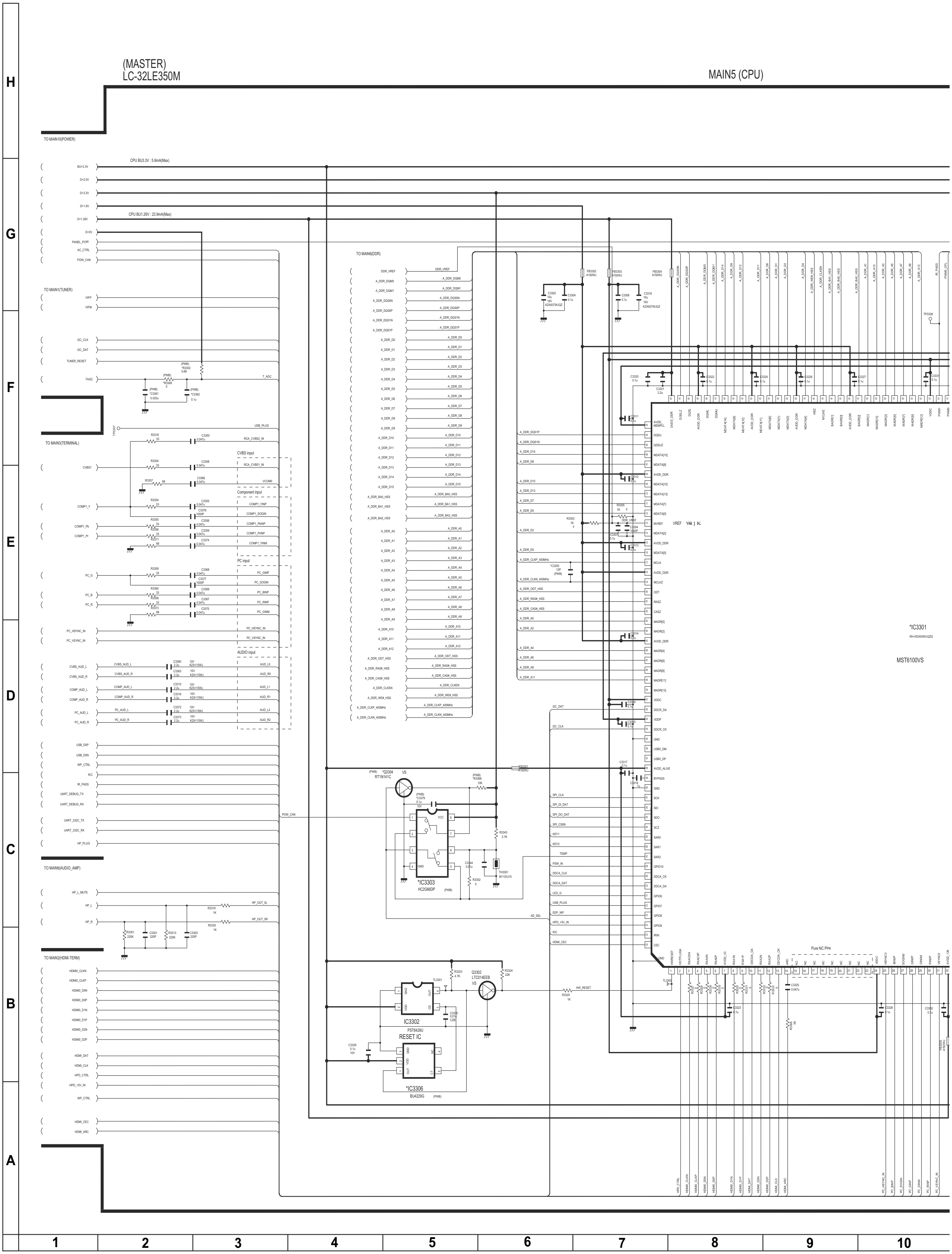
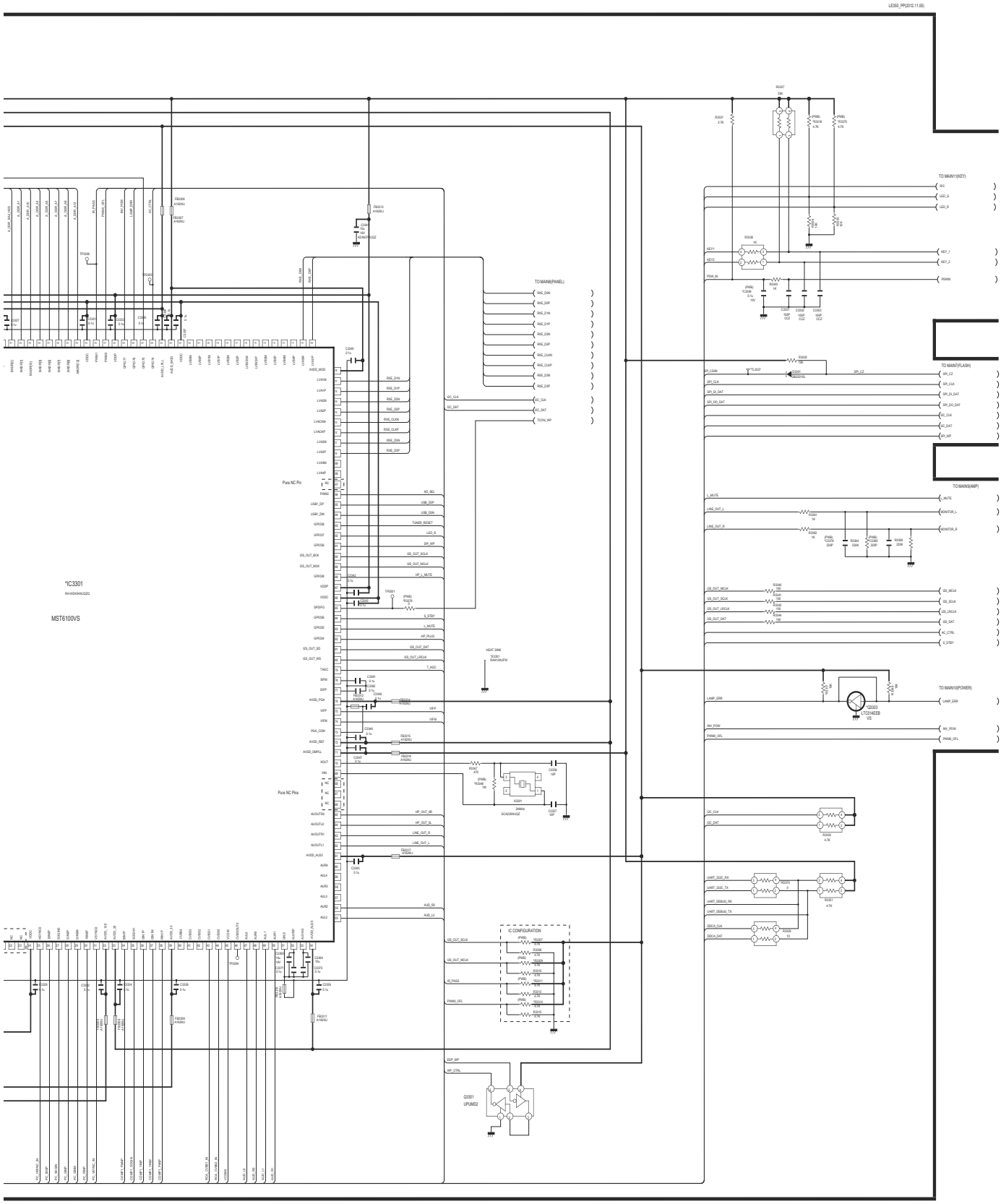
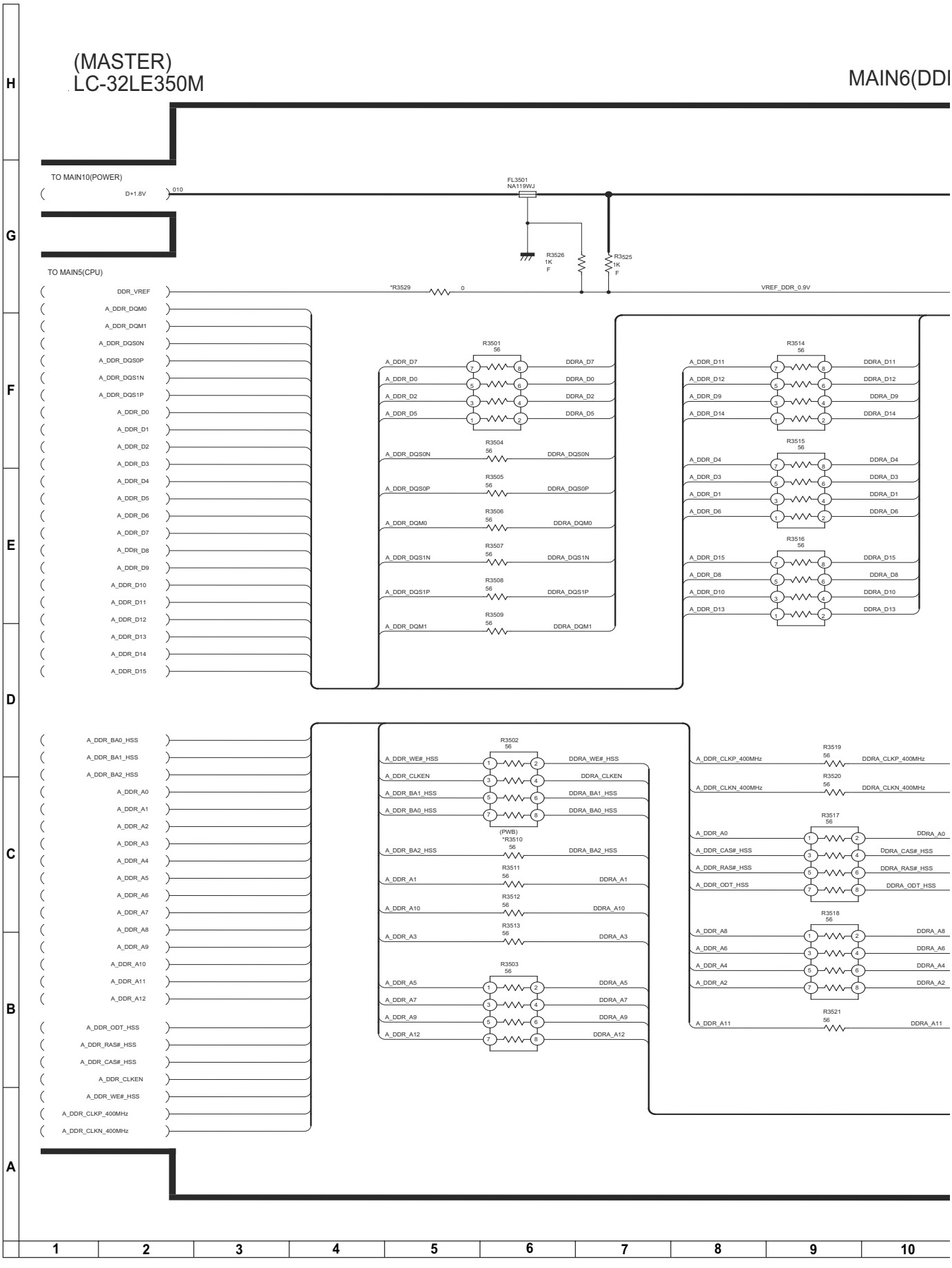

(MASTER)
LC-32LE350M
MAIN5 (CPU)
TO MAIN10(POWER)
TO MAIN1(TUNER)
TO MAIN3(TERMINAL)
TO MAIN6(DDR)
TO MAIN9(AUDIO_AMP)
TO MAIN2(HDMI-TERM)
CVBS input
Component input
PC input
AUDIO input
*IC3301
MST6100VS
*IC3303
HC2G66DP
IC3302
PST8429U
RESET IC
*IC3306
BU4229G
Q3302
LTC014EEB
*Q3304
RT1N141C
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10



10	11	12	13	14	15	16	17	18	19

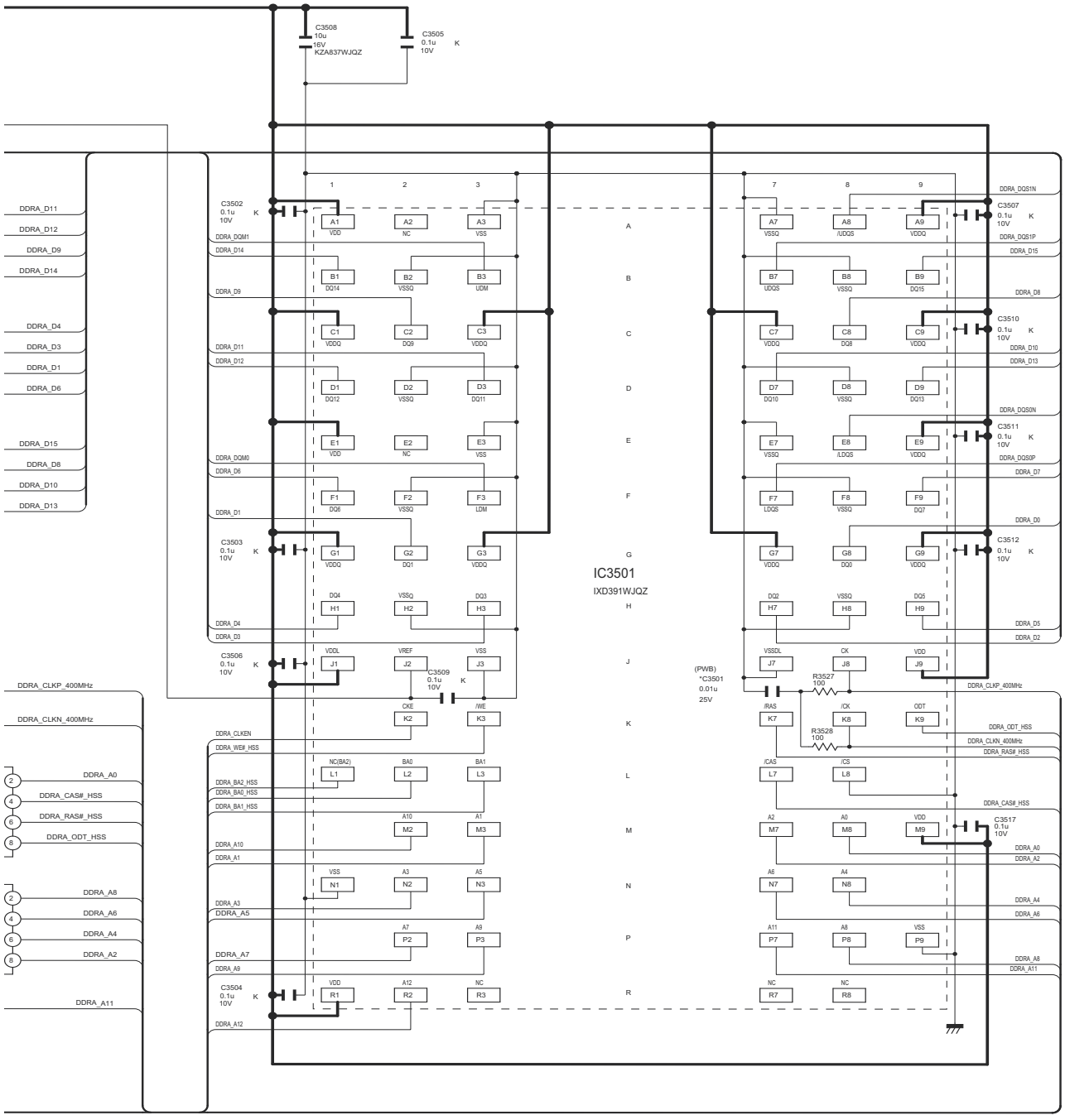
(MASTER)
LC-32LE350M

MAIN6(DDI



MAIN6(DDR)

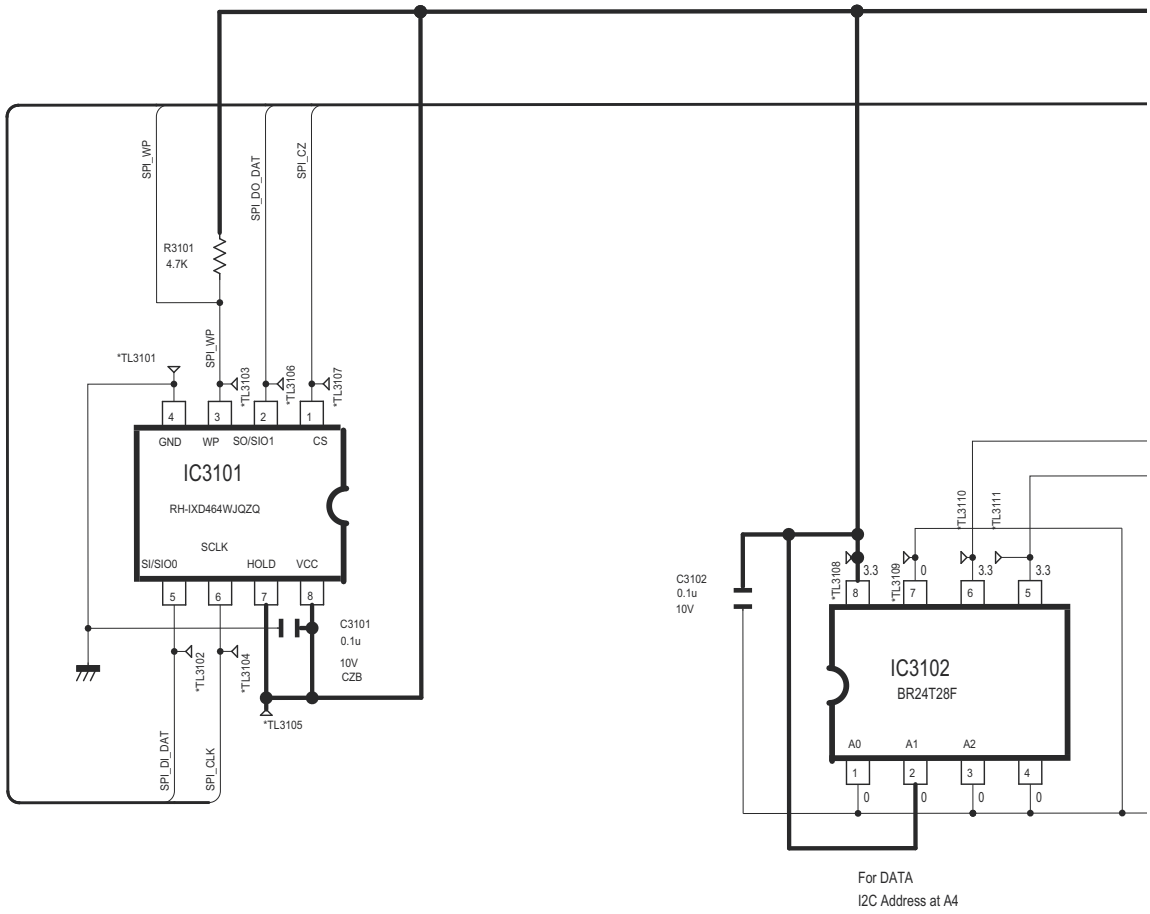
LE350_PP(2012.09.27)



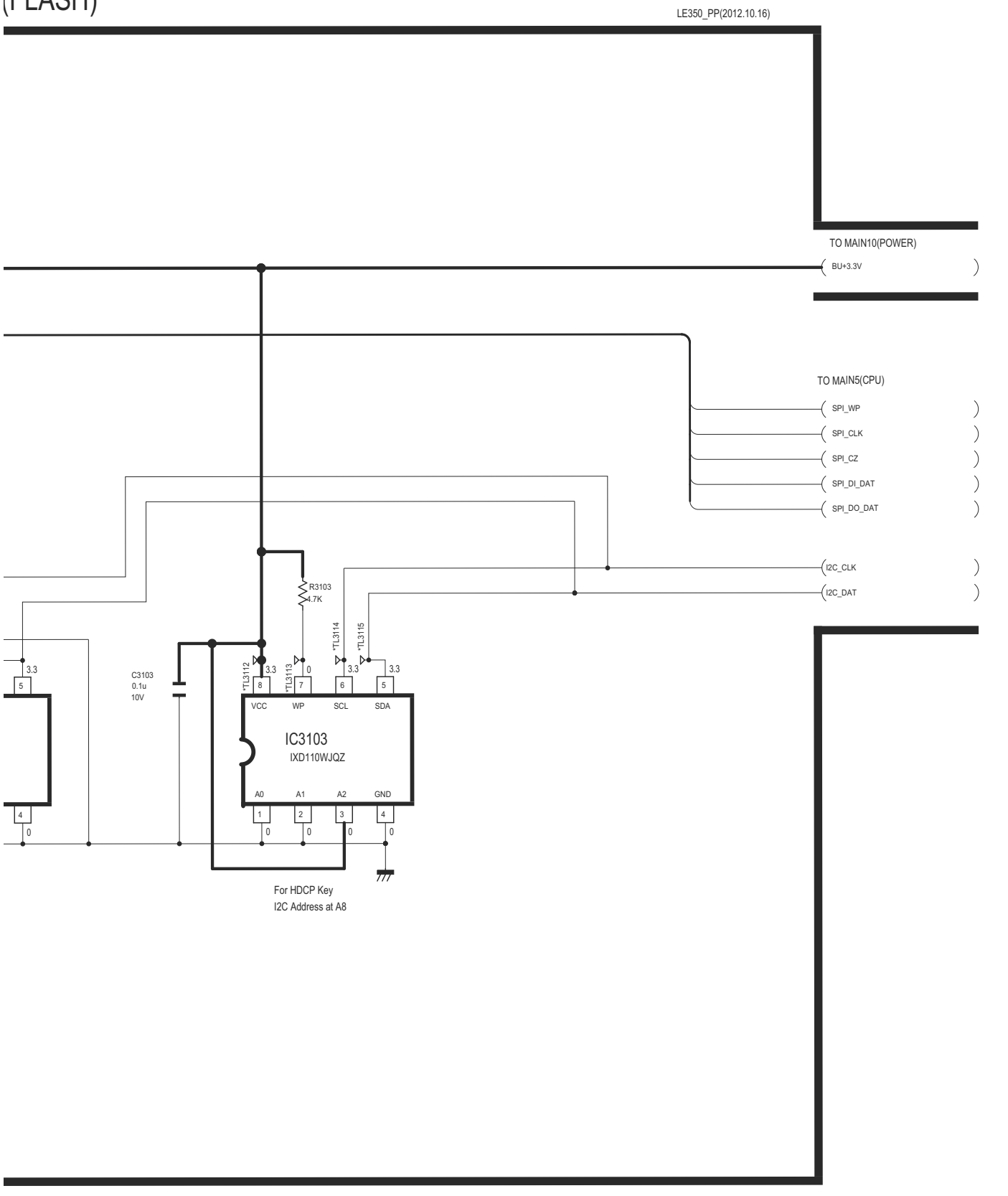
10	11	12	13	14	15	16	17	18	19

(MASTER)
LC-32LE350M

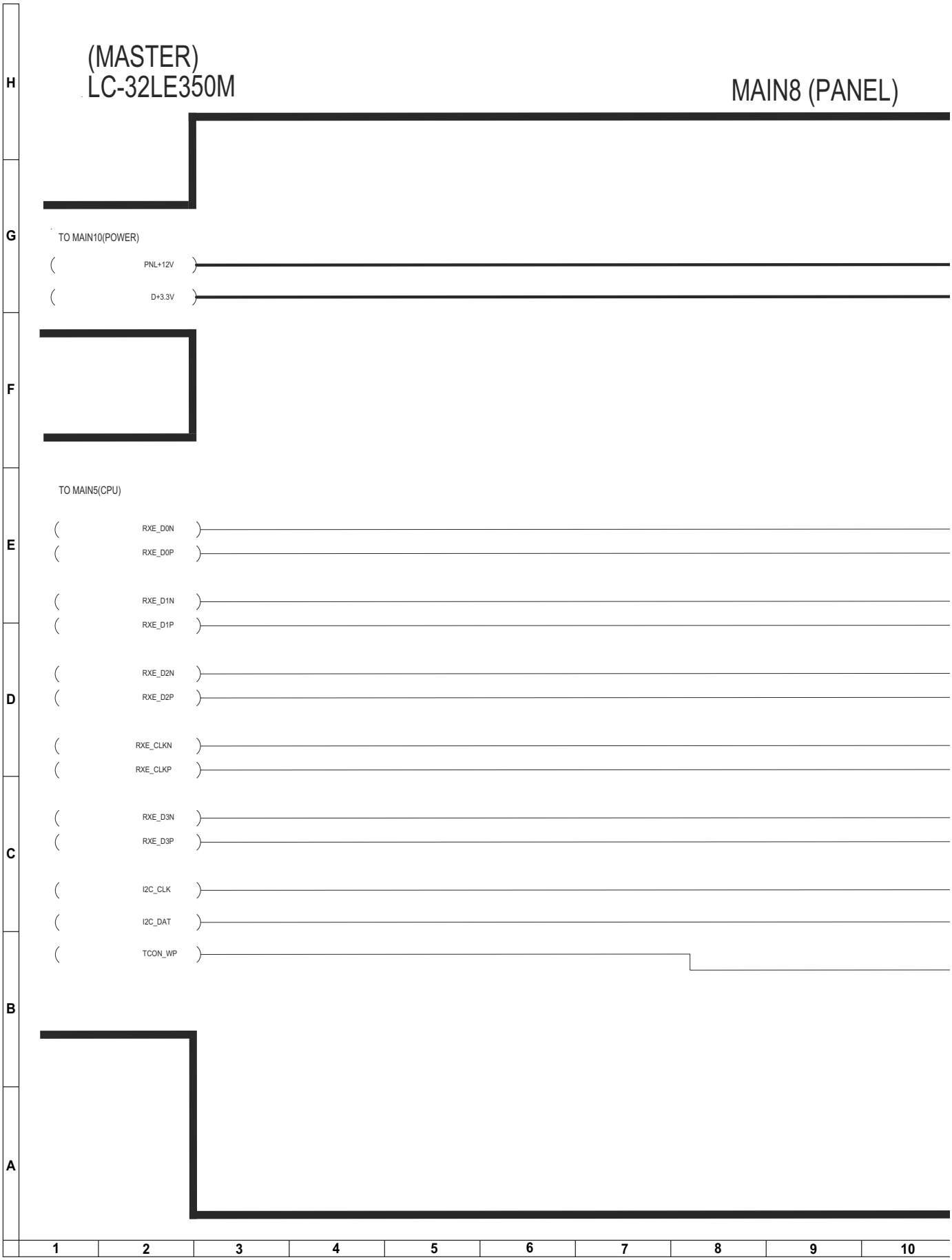
MAIN7 (FLASH)



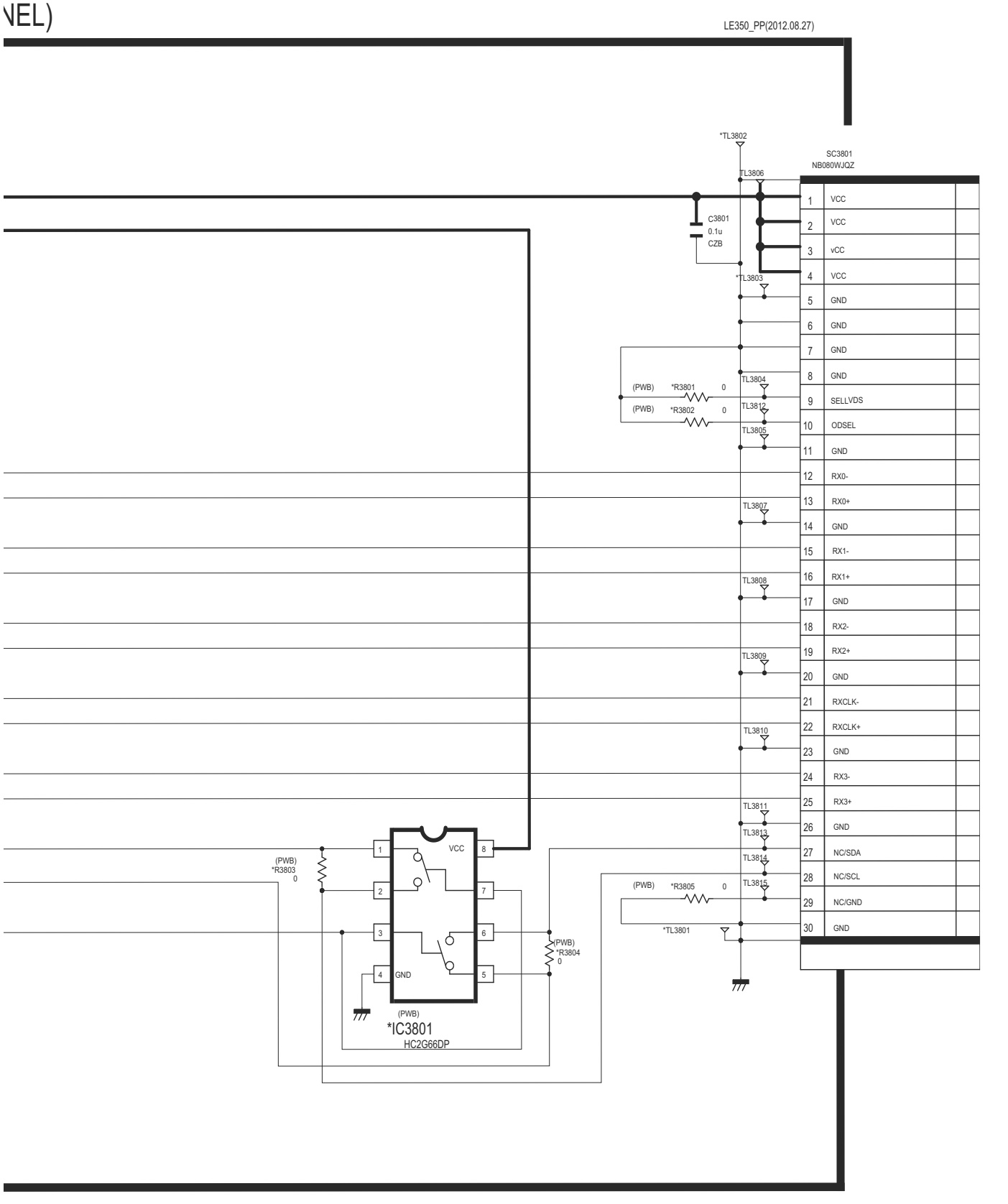
(FLASH)



10	11	12	13	14	15	16	17	18	19


(MASTER)
LC-32LE350M
MAIN8 (PANEL)
TO MAIN10(POWER)
PNL+12V
D+3.3V
TO MAIN5(CPU)
RXE_D0N
RXE_D0P
RXE_D1N
RXE_D1P
RXE_D2N
RXE_D2P
RXE_CLKN
RXE_CLKP
RXE_D3N
RXE_D3P
I2C_CLK
I2C_DAT
TCON_WP
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

NEL)



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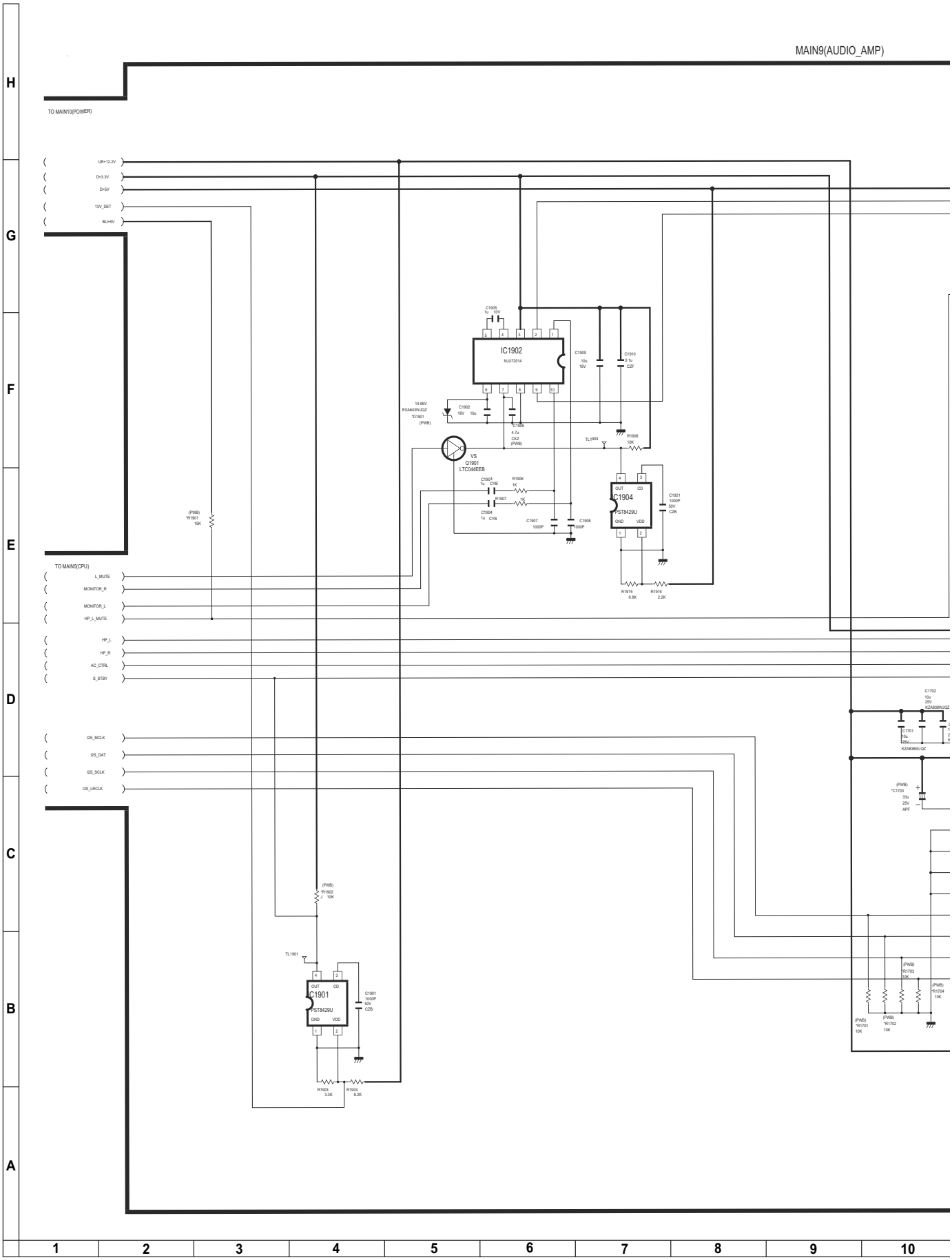
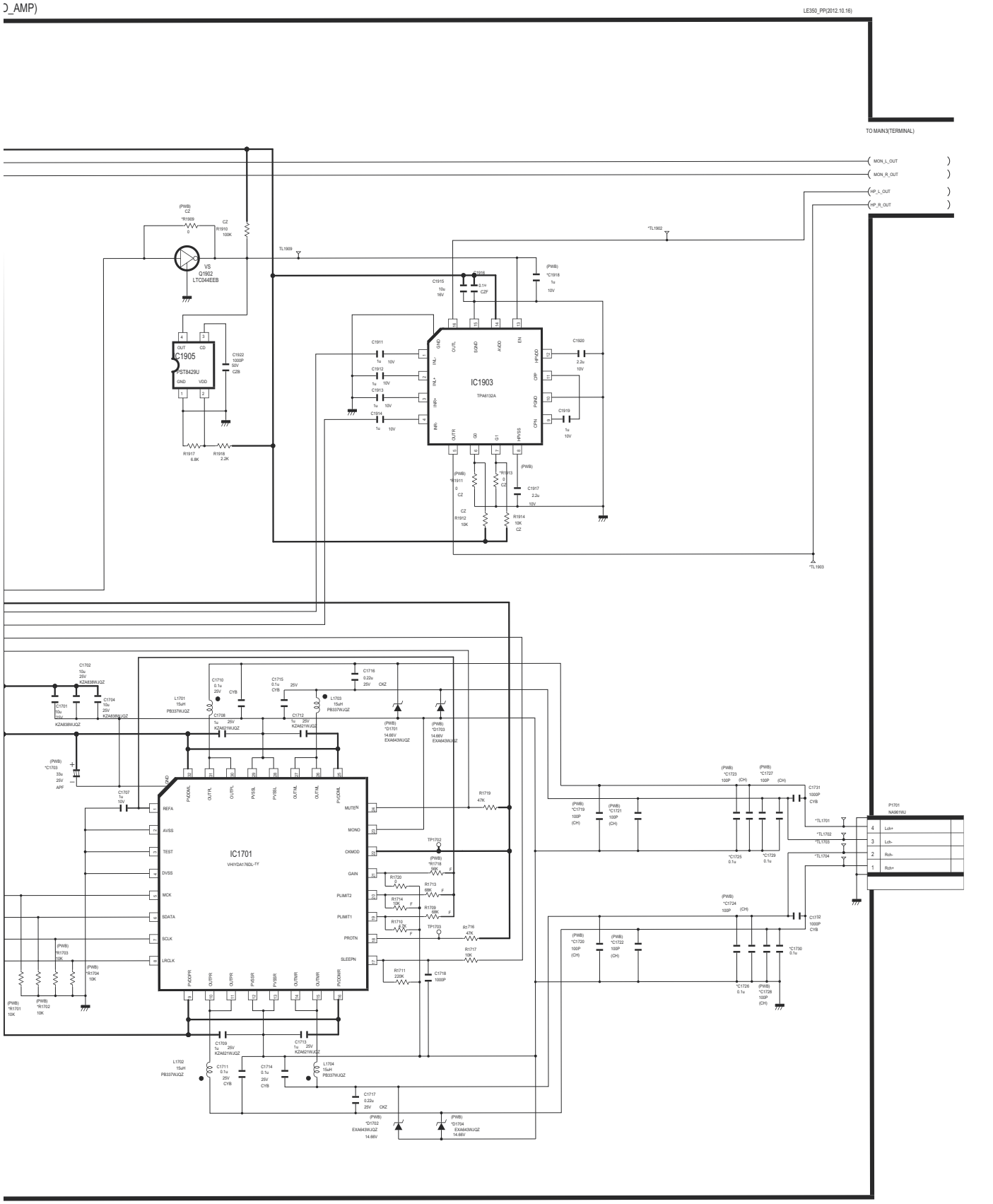
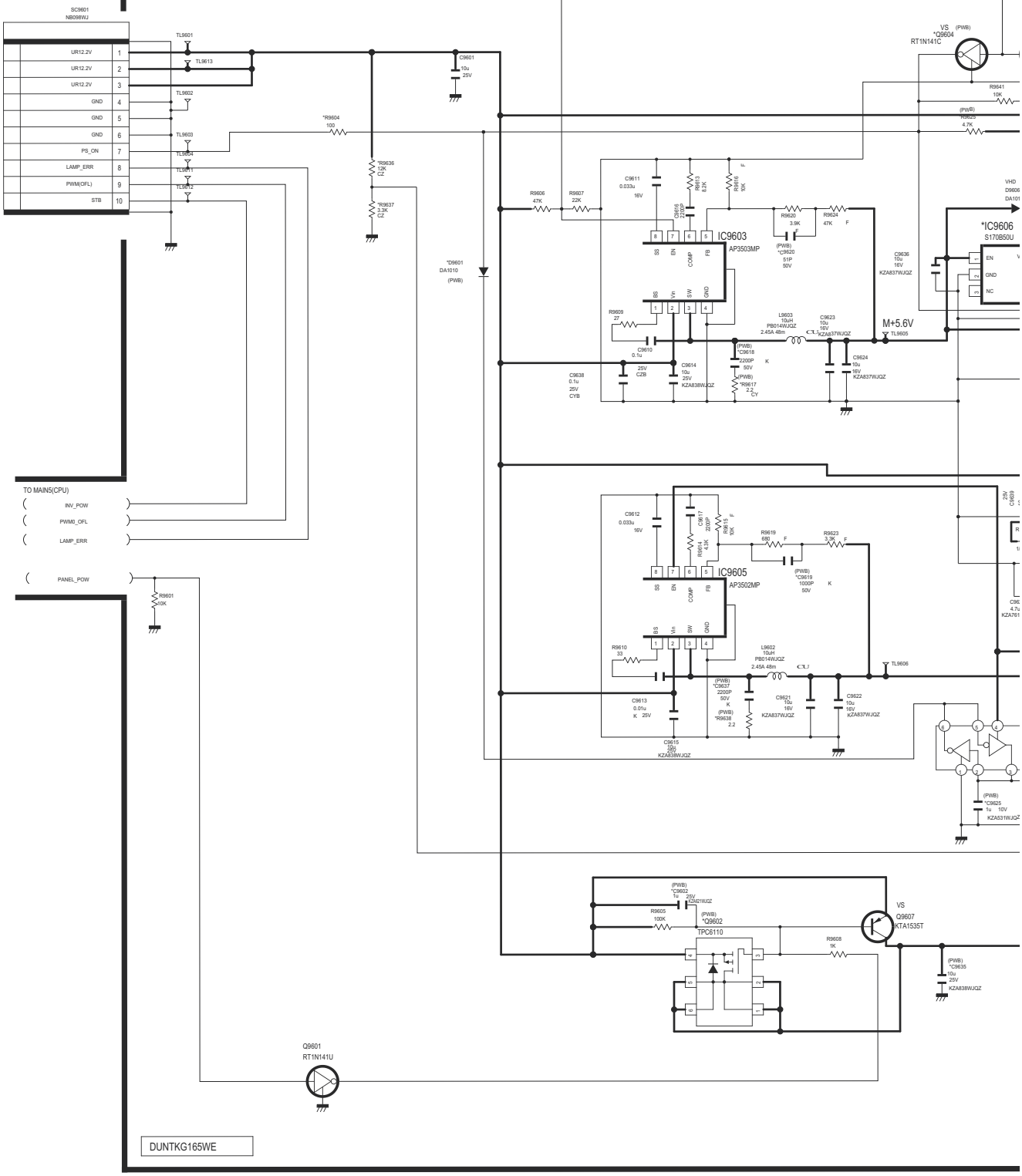

MAIN9(AUDIO_AMP)
TO MAIN10(POWER)
LR+12.2V
D+3.3V
D+5V
13V_DET
BU+5V
TO MAINS(CPU)
L_MUTE
MONITOR_R
MONITOR_L
HP_L_MUTE
HP_L
HP_R
AC_CTRL
S_STBY
I2S_MCLK
I2S_DAT
I2S_SCLK
I2S_LRCLK
IC1902
NJU72014
IC1904
PST8429U
C1901
PST8429U
Q1901
LTC044EEB
TL1901
TL1904
(PWB)
*R1901
15K
(PWB)
*R1902
10K
(PWB)
*C1703
33u
25V
APF
(PWB)
*R1701
10K
(PWB)
*R1702
10K
(PWB)
R1703
10K
(PWB)
*R1704
10K



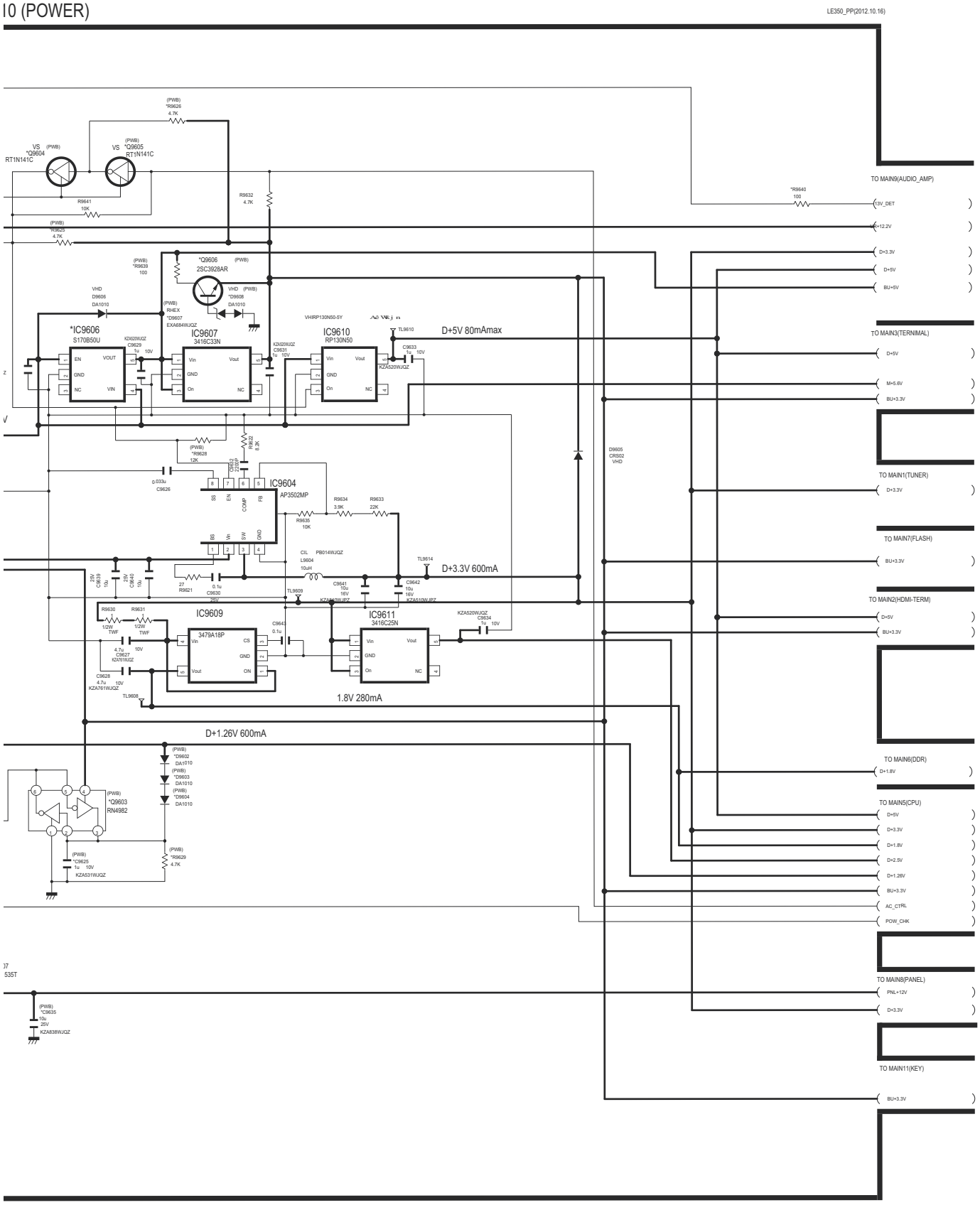
10	11	12	13	14	15	16	17	18	19

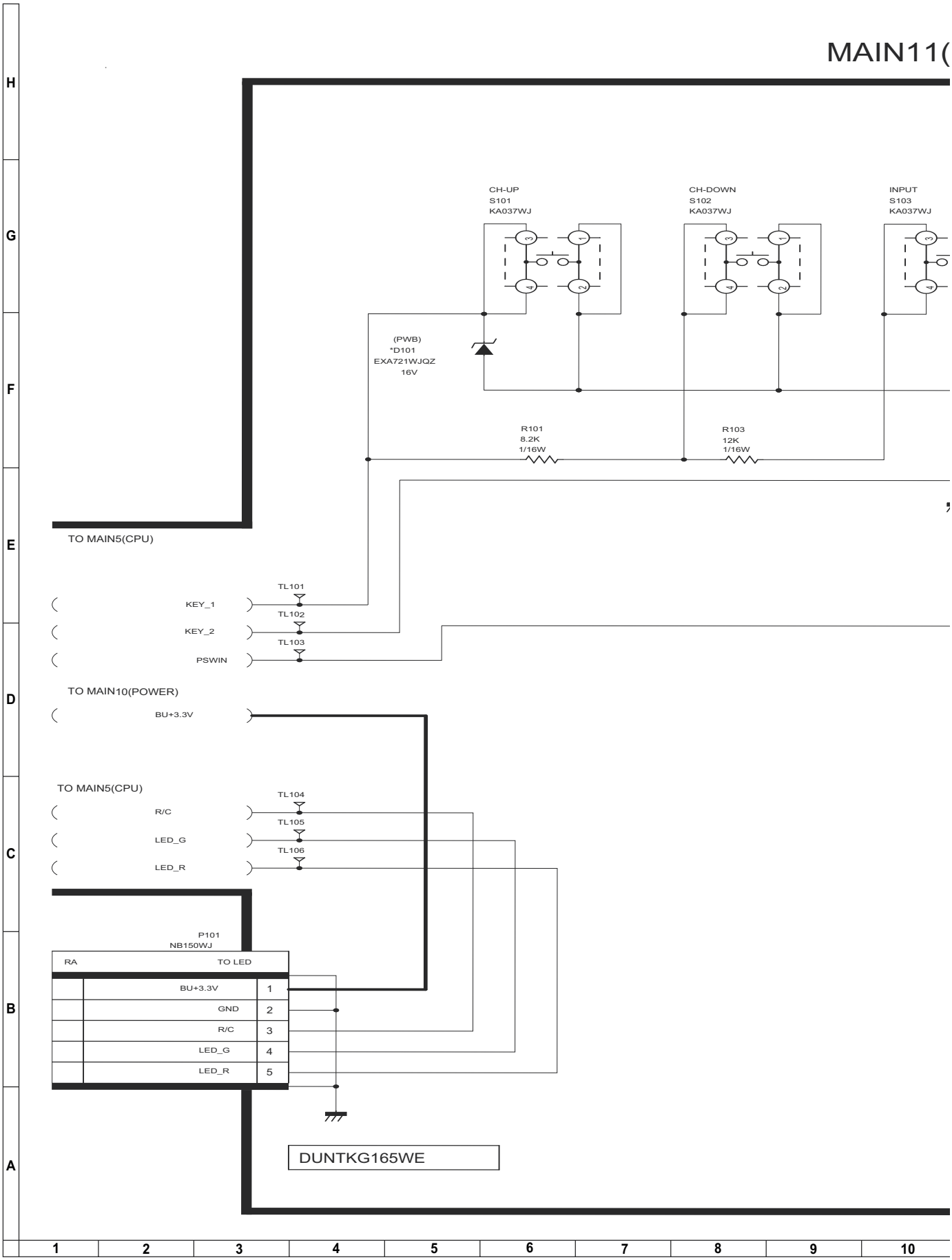
(MASTER)
LC-32LE350M

MAIN10 (POWER)



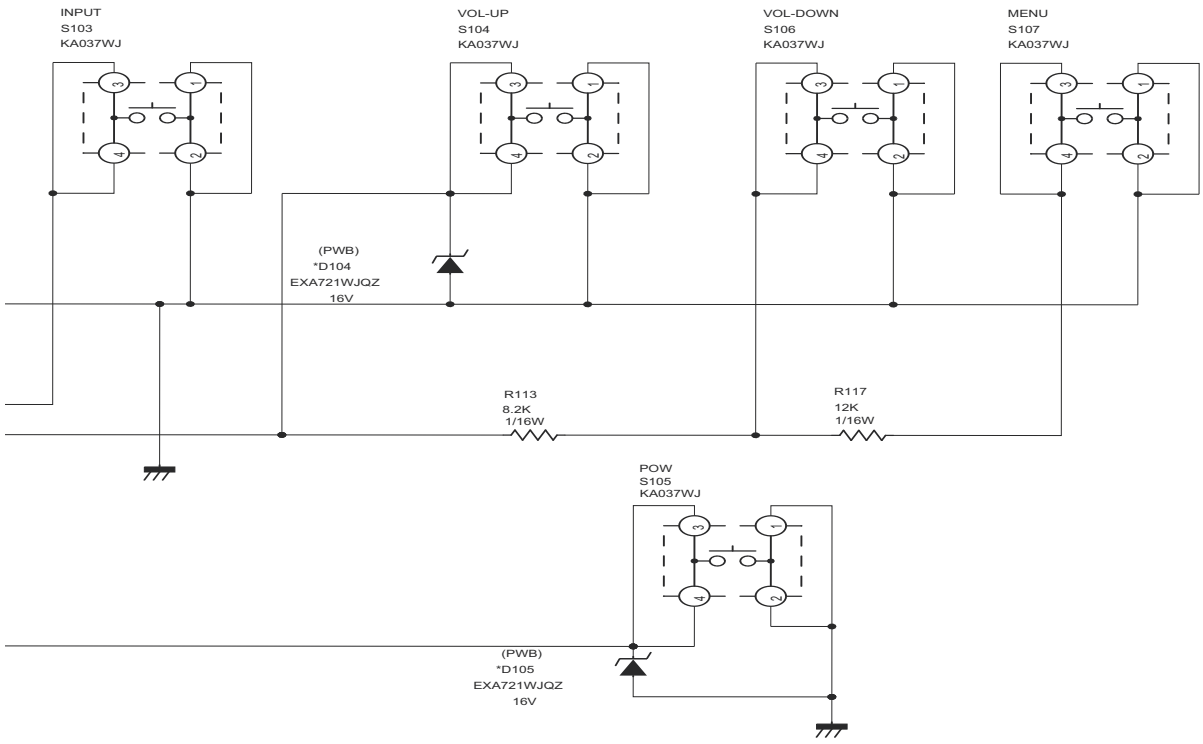
I0 (POWER)


LE350_PP(2012.10.16)
IC9606
S170B50U
IC9607
3416C33N
IC9610
RP130N50
IC9604
AP3502MP
IC9609
3479A18P
IC9611
3416C25N
D+5V 80mAmax
D+3.3V 600mA
1.8V 280mA
D+1.26V 600mA
TO MAIN9(AUDIO_AMP)
TO MAIN3(TERNIMAL)
TO MAIN1(TUNER)
TO MAIN7(FLASH)
TO MAIN2(HDMI-TERM)
TO MAIN6(DDR)
TO MAIN5(CPU)
TO MAIN8(PANEL)
TO MAIN11(KEY)


MAIN11(
CH-UP
S101
KA037WJ
CH-DOWN
S102
KA037WJ
INPUT
S103
KA037WJ
(PWB)
*D101
EXA721WJQZ
16V
R101
8.2K
1/16W
R103
12K
1/16W
TO MAIN5(CPU)
KEY_1
KEY_2
PSWIN
TL101
TL102
TL103
TO MAIN10(POWER)
BU+3.3V
TO MAIN5(CPU)
R/C
LED_G
LED_R
TL104
TL105
TL106
P101
NB150WJ
RA
TO LED
BU+3.3V
GND
R/C
LED_G
LED_R
1
2
3
4
5
DUNTKG165WE

AIN11(KEY/RC)

LE350_PP(2012.08.30)



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SHARP PARTS GUIDE

No. SZ12M1132LE350M

LCD COLOUR TELEVISION

MODEL LC-32LE350M

CONTENTS

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[1] PRINTED WIRING BOARD ASSEMBLIES					
1	DKEYMG165FM01				Main Unit
[2] LCD PANEL					
1	R1LK315THB60W	CK			LCD PANEL 32
[3] DKEYMG165FM01(MAIN Unit)					
P1701	QPLGNA961WJZZY	AD			Plug
SC9601	QPLGNB098WJZZY	AD			Plug
P101	QPLGNB150WJZZY	AC			Plug
SC3801	QSOCNB080WJQZY	AE			Socket
SC1501	QSOCZA347WJQZY	AE			Socket
S101	QSW-KA037WJZZY	AC			Switch
S102	QSW-KA037WJZZY	AC			Switch
S103	QSW-KA037WJZZY	AC			Switch
S104	QSW-KA037WJZZY	AC			Switch
S105	QSW-KA037WJZZY	AC			Switch
S106	QSW-KA037WJZZY	AC			Switch
S107	QSW-KA037WJZZY	AC			Switch
FB1101	RBLN-0253TAZZY	AA			Ferrite Bead
FB3301	RBLN-A192WJZZY	AA			Ferrite Bead
FB3302	RBLN-A192WJZZY	AA			Ferrite Bead
FB3303	RBLN-A192WJZZY	AA			Ferrite Bead
FB3304	RBLN-A192WJZZY	AA			Ferrite Bead
FB3305	RBLN-A192WJZZY	AA			Ferrite Bead
FB3306	RBLN-A192WJZZY	AA			Ferrite Bead
FB3307	RBLN-A192WJZZY	AA			Ferrite Bead
FB3308	RBLN-A192WJZZY	AA			Ferrite Bead
FB3309	RBLN-A192WJZZY	AA			Ferrite Bead
FB3310	RBLN-A192WJZZY	AA			Ferrite Bead
FB3311	RBLN-A192WJZZY	AA			Ferrite Bead
FB3312	RBLN-A192WJZZY	AA			Ferrite Bead
FB3313	RBLN-A192WJZZY	AA			Ferrite Bead
FB3314	RBLN-A192WJZZY	AA			Ferrite Bead
FB3315	RBLN-A192WJZZY	AA			Ferrite Bead
FB3316	RBLN-A192WJZZY	AA			Ferrite Bead
FB3317	RBLN-A192WJZZY	AA			Ferrite Bead
C1917	RC-KZA115WJZZY	AA			Capacitor 2.2 10V Ceramic
C1920	RC-KZA115WJZZY	AA			Capacitor 2.2 10V Ceramic
C3315	RC-KZA115WJZZY	AA			Capacitor 2.2 10V Ceramic
C3316	RC-KZA115WJZZY	AA			Capacitor 2.2 10V Ceramic
C3321	RC-KZA115WJZZY	AA			Capacitor 2.2 10V Ceramic
C3360	RC-KZA115WJZZY	AA			Capacitor 2.2 10V Ceramic
C3363	RC-KZA115WJZZY	AA			Capacitor 2.2 10V Ceramic
C3372	RC-KZA115WJZZY	AA			Capacitor 2.2 10V Ceramic
C3373	RC-KZA115WJZZY	AA			Capacitor 2.2 10V Ceramic
C1104	RC-KZA510WJPZY	AB			Capacitor
C9641	RC-KZA510WJPZY	AB			Capacitor
C9642	RC-KZA510WJPZY	AB			Capacitor
C3319	RC-KZA520WJQZY	AB			Capacitor
C9629	RC-KZA520WJQZY	AB			Capacitor
C9631	RC-KZA520WJQZY	AB			Capacitor
C9633	RC-KZA520WJQZY	AB			Capacitor
C9634	RC-KZA520WJQZY	AB			Capacitor
C9630	RC-KZA620WJZZY	AA			Capacitor
C1708	RC-KZA621WJQZY	AB			Capacitor 1 25V Ceramic
C1709	RC-KZA621WJQZY	AB			Capacitor 1 25V Ceramic
C1712	RC-KZA621WJQZY	AB			Capacitor 1 25V Ceramic
C1713	RC-KZA621WJQZY	AB			Capacitor 1 25V Ceramic
C1716	RC-KZA709WJQZY	AA			Capacitor 0.22 25V Ceramic
C1717	RC-KZA709WJQZY	AA			Capacitor 0.22 25V Ceramic
C9627	RC-KZA761WJQZY	AB			Capacitor 4.7 10V Ceramic
C9628	RC-KZA761WJQZY	AB			Capacitor 4.7 10V Ceramic
C9639	RC-KZA805WJQZY	AB			Capacitor
C9640	RC-KZA805WJQZY	AB			Capacitor
C503	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C565	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C581	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C1501	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C1902	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C1909	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C1915	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C3302	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C3318	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C3341	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C3364	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C3365	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C3508	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C9621	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C9622	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C9623	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C9624	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C9636	RC-KZA837WJQZY	AB			Capacitor 10 10V Ceramic
C1701	RC-KZA838WJQZY	AB			Capacitor 10 25V Ceramic
C1702	RC-KZA838WJQZY	AB			Capacitor 10 25V Ceramic
C1704	RC-KZA838WJQZY	AB			Capacitor 10 25V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] DKEYMG165FM01(MAIN Unit)					
C9601	RC-KZA838WJQZY	AB			Capacitor 10 25V Ceramic
C9614	RC-KZA838WJQZY	AB			Capacitor 10 25V Ceramic
C9615	RC-KZA838WJQZY	AB			Capacitor 10 25V Ceramic
L9602	RCILPB014WJQZY	AC			Coil
L9603	RCILPB014WJQZY	AC			Coil
L9604	RCILPB014WJQZY	AC			Coil
L1701	RCILPB337WJQZY	AD			Coil
L1702	RCILPB337WJQZY	AD			Coil
L1703	RCILPB337WJQZY	AD			Coil
L1704	RCILPB337WJQZY	AD			Coil
L1102	RCILQA007WJQZY	AB			Coil
X3301	RCRSCA239WJQZY	AD			Crystal
FL3501	RFILNA119WJZZY				Filter
IC3103	RH-IXD110WJQZY				IC CAT24C08
IC3501	RH-IXD391WJQZQ				IC
IC3301	RH-IXD454WJQZQ				IC MST6100VS-LF-Z1-SJ
C1113	VCCCCY1HH220JY	AA			Capacitor
C1114	VCCCCY1HH220JY	AA			Capacitor
C3357	VCCCCZ1HH100DY	AB			Capacitor 10p 50V Ceramic
C3358	VCCCCZ1HH100DY	AB			Capacitor 10p 50V Ceramic
C3351	VCCCCZ1HH101JY	AB			Capacitor 100p 50V Ceramic
C3352	VCCCCZ1HH101JY	AB			Capacitor
C3353	VCCCCZ1HH101JY	AB			Capacitor
C548	VCCCCZ1HH102JY	AB			Capacitor 1000p 50V Ceramic
C553	VCCCCZ1HH102JY	AB			Capacitor 1000p 50V Ceramic
C1115	VCCCCZ1HH181JY	AB			Capacitor
C543	VCCCCZ1HH560JY	AB			Capacitor 56p 50V Ceramic
C544	VCCCCZ1HH560JY	AB			Capacitor 56p 50V Ceramic
C1707	VCKYCY1AB105KY	AB			Capacitor 1 10V Ceramic
C1903	VCKYCY1AB105KY	AB			Capacitor 1 10V Ceramic
C1904	VCKYCY1AB105KY	AB			Capacitor 1 10V Ceramic
C1905	VCKYCY1AB105KY	AB			Capacitor 1 10V Ceramic
C1911	VCKYCY1AB105KY	AB			Capacitor 1 10V Ceramic
C1912	VCKYCY1AB105KY	AB			Capacitor 1 10V Ceramic
C1913	VCKYCY1AB105KY	AB			Capacitor 1 10V Ceramic
C1914	VCKYCY1AB105KY	AB			Capacitor 1 10V Ceramic
C1919	VCKYCY1AB105KY	AB			Capacitor 1 10V Ceramic
C1109	VCKYCY1CB104KY	AB			Capacitor
C1110	VCKYCY1CB104KY	AB			Capacitor
C1111	VCKYCY1CB104KY	AB			Capacitor
C1112	VCKYCY1CB104KY	AB			Capacitor
C1116	VCKYCY1CB104KY	AB			Capacitor
C1710	VCKYCY1EB104KY	AB			Capacitor 0.1 25V Ceramic
C1711	VCKYCY1EB104KY	AB			Capacitor 0.1 25V Ceramic
C1714	VCKYCY1EB104KY	AB			Capacitor 0.1 25V Ceramic
C1715	VCKYCY1EB104KY	AB			Capacitor 0.1 25V Ceramic
C9638	VCKYCY1EB104KY	AB			Capacitor 0.1 25V Ceramic
C1731	VCKYCY1HB102KY	AB			Capacitor 1000p 50V Ceramic
C1732	VCKYCY1HB102KY	AB			Capacitor 1000p 50V Ceramic
C3101	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3102	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3103	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3304	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3306	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3307	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3309	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3310	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3311	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3312	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3313	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3314	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3317	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3320	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3322	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3323	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3324	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3326	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3327	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3328	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3329	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3331	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3332	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3333	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3334	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3335	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3336	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3337	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3338	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3339	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3340	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3342	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3343	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3345	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3346	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3347	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] DKEYMG165FM01(MAIN Unit)					
C3348	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3370	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3371	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3381	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3382	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3502	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3503	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3504	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3505	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3506	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3507	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3509	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3510	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3511	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3512	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3517	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3801	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C9643	VCKYCZ1AB104KY	AB			Capacitor 0.1 10V Ceramic
C3308	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3325	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3350	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3355	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3356	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3359	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3366	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3367	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3368	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3369	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3374	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C3375	VCKYCZ1AB473KY	AB			Capacitor 0.047 10V Ceramic
C9611	VCKYCZ1CB333KY	AA			Capacitor 0.033 16V Ceramic
C9612	VCKYCZ1CB333KY	AA			Capacitor 0.033 16V Ceramic
C9626	VCKYCZ1CB333KY	AA			Capacitor 0.033 16V Ceramic
C501	VCKYCZ1EB103KY	AA			Capacitor 0.01 25V Ceramic
C566	VCKYCZ1EB103KY	AA			Capacitor 0.01 25V Ceramic
C1118	VCKYCZ1EB103KY	AA			Capacitor 0.01 25V Ceramic
C1502	VCKYCZ1EB103KY	AA			Capacitor 0.01 25V Ceramic
C3330	VCKYCZ1EB103KY	AA			Capacitor 0.01 25V Ceramic
C3344	VCKYCZ1EB103KY	AA			Capacitor 0.01 25V Ceramic
C9613	VCKYCZ1EB103KY	AA			Capacitor 0.01 25V Ceramic
C9610	VCKYCZ1EB104KY	AA			Capacitor 0.1 25V Ceramic
C1103	VCKYCZ1EF104ZY	AA			Capacitor 0.1 25V Ceramic
C1910	VCKYCZ1EF104ZY	AA			Capacitor 0.1 25V Ceramic
C1916	VCKYCZ1EF104ZY	AA			Capacitor 0.1 25V Ceramic
C1108	VCKYCZ1HB102KY	AB			Capacitor 1000p 50V Ceramic
C1718	VCKYCZ1HB102KY	AB			Capacitor 1000p 50V Ceramic
C1901	VCKYCZ1HB102KY	AB			Capacitor 1000p 50V Ceramic
C1907	VCKYCZ1HB102KY	AB			Capacitor 1000p 50V Ceramic
C1908	VCKYCZ1HB102KY	AB			Capacitor 1000p 50V Ceramic
C1921	VCKYCZ1HB102KY	AB			Capacitor 1000p 50V Ceramic
C1922	VCKYCZ1HB102KY	AB			Capacitor 1000p 50V Ceramic
C3354	VCKYCZ1HB102KY	AB			Capacitor 1000p 50V Ceramic
C3376	VCKYCZ1HB102KY	AB			Capacitor 1000p 50V Ceramic
C3377	VCKYCZ1HB102KY	AB			Capacitor 1000p 50V Ceramic
C3301	VCKYCZ1HB221KY	AA			Capacitor 220p 50V Ceramic
C3303	VCKYCZ1HB221KY	AA			Capacitor 220p 50V Ceramic
C9616	VCKYCZ1HB222KY	AA			Capacitor 2200p 50V Ceramic
C9617	VCKYCZ1HB222KY	AA			Capacitor 2200p 50V Ceramic
C9632	VCKYCZ1HB222KY	AA			Capacitor 2200p 50V Ceramic
D510	VHDBAV70+++-1Y				Diode BAV70,215
D9605	VHDCRS10I30-1Y	AC			Diode
D9606	VHDDA1010++-1Y	AB			Diode DA2J10100L
D1510	VHDDB2S310L-1Y	AB			Diode DB2S31000L
D1516	VHDDB2S310L-1Y	AB			Diode DB2S31000L
D3301	VHDDB2S310L-1Y	AB			Diode DB2S31000L
TH3301	VHHM1103J15-1Y				Thermistor
IC9611	VHI3416C25N-1Y				IC MM3416C25NRE
IC9607	VHI3416C33N-1Y				IC MM3416C33NRE
IC9609	VHI3479A18P-1Y				IC
IC9604	VHIAP3502MP-1Y				IC
IC9605	VHIAP3502MP-1Y				IC
IC9603	VHIAP3503MP-1Y				IC
IC508	VHIBR24T02J-1Y				IC BR24T02FJ-WE2
IC1501	VHIBR24T02J-1Y				IC BR24T02FJ-WE3
IC3102	VHIBR24T28F-1Y				IC BR24T128F-WE2
IC1902	VHINJU72014-1Y				IC
IC1901	VHIPST8429U-1Y				IC IC-PST8429UR
IC1904	VHIPST8429U-1Y				IC IC-PST8429UR
IC1905	VHIPST8429U-1Y				IC IC-PST8429UR
IC3302	VHIPST8429U-1Y				IC IC-PST8429UR
IC9610	VHIRP130N50-5Y				IC RP130N501B-TR-FE
IC510	VHIS172B50U-1Y				IC S-1172B50-U5T1G
IC1903	VHITPA6132A-1Y				IC TPA6132A2RTER
IC3101	VHIW25Q64CV-1Y				IC
IC1701	VHIYDA176DL-1Y				IC

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] DKEYMG165FM01(MAIN Unit)					
R1504	VRK-SA1JF100JY	AA			Resistor 10 1/16W Metal Composition
R3329	VRK-SA1JF100JY	AA			Resistor 10 1/16W Metal Composition
R3338	VRK-SA1JF102JY	AA			Resistor 1k 1/16W Metal Composition
R3337	VRK-SA1JF333JY	AA			Resistor 33k 1/16W Metal Composition
R3350	VRK-SA1JF472JY	AA			Resistor 4.7k 1/16W Metal Composition
R3351	VRK-SA1JF472JY	AA			Resistor 4.7k 1/16W Metal Composition
R1516	VRK-SA1JF473JY	AA			Resistor 47k 1/16W Metal Composition
R3501	VRK-SB1FF560JY	AA			Resistor 56 1/32W Metal Composition
R3502	VRK-SB1FF560JY	AA			Resistor 56 1/32W Metal Composition
R3503	VRK-SB1FF560JY	AA			Resistor 56 1/32W Metal Composition
R3514	VRK-SB1FF560JY	AA			Resistor 56 1/32W Metal Composition
R3515	VRK-SB1FF560JY	AA			Resistor 56 1/32W Metal Composition
R3516	VRK-SB1FF560JY	AA			Resistor 56 1/32W Metal Composition
R3517	VRK-SB1FF560JY	AA			Resistor 56 1/32W Metal Composition
R3518	VRK-SB1FF560JY	AA			Resistor 56 1/32W Metal Composition
R1720	VRS-CZ1JF000JY	AA			Resistor 0 1/16W Metal Oxide
R3327	VRS-CZ1JF000JY	AA			Resistor 0 1/16W Metal Oxide
R3328	VRS-CZ1JF000JY	AA			Resistor 0 1/16W Metal Oxide
R3330	VRS-CZ1JF000JY	AA			Resistor 0 1/16W Metal Oxide
R3331	VRS-CZ1JF000JY	AA			Resistor 0 1/16W Metal Oxide
R3332	VRS-CZ1JF000JY	AA			Resistor 0 1/16W Metal Oxide
R3333	VRS-CZ1JF000JY	AA			Resistor 0 1/16W Metal Oxide
R3334	VRS-CZ1JF000JY	AA			Resistor 0 1/16W Metal Oxide
R3335	VRS-CZ1JF000JY	AA			Resistor 0 1/16W Metal Oxide
R3352	VRS-CZ1JF000JY	AA			Resistor 0 1/16W Metal Oxide
R613	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R614	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R615	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R616	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R1107	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R1108	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R3340	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R3341	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R3342	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R3344	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R3527	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R3528	VRS-CZ1JF101JY	AA			Resistor 100 1/16W Metal Oxide
R3303	VRS-CZ1JF102FY	AB			Resistor 1k 1/16W Metal Oxide
R3305	VRS-CZ1JF102FY	AB			Resistor 1k 1/16W Metal Oxide
R3525	VRS-CZ1JF102FY	AB			Resistor 1k 1/16W Metal Oxide
R3526	VRS-CZ1JF102FY	AB			Resistor 1k 1/16W Metal Oxide
R503	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R1505	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R1906	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R1907	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R3319	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R3320	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R3325	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R3345	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R3361	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R3362	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R9608	VRS-CZ1JF102JY	AA			Resistor 1k 1/16W Metal Oxide
R1714	VRS-CZ1JF103FY	AB			Resistor 10k 1/16W Metal Oxide
R9615	VRS-CZ1JF103FY	AB			Resistor 10k 1/16W Metal Oxide
R9616	VRS-CZ1JF103FY	AB			Resistor 10k 1/16W Metal Oxide
R9635	VRS-CZ1JF103FY	AB			Resistor 10k 1/16W Metal Oxide
R502	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R513	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R516	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R534	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R536	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R577	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R578	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R1116	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R1510	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R1717	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R1908	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R1912	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R1914	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R3336	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R3346	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R3353	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R3430	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R9601	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R9641	VRS-CZ1JF103JY	AA			Resistor 10k 1/16W Metal Oxide
R506	VRS-CZ1JF104JY	AA			Resistor 100k 1/16W Metal Oxide
R510	VRS-CZ1JF104JY	AA			Resistor 100k 1/16W Metal Oxide
R525	VRS-CZ1JF104JY	AA			Resistor 100k 1/16W Metal Oxide
R527	VRS-CZ1JF104JY	AA			Resistor 100k 1/16W Metal Oxide
R1910	VRS-CZ1JF104JY	AA			Resistor 100k 1/16W Metal Oxide
R9605	VRS-CZ1JF104JY	AA			Resistor 100k 1/16W Metal Oxide
R103	VRS-CZ1JF123JY	AA			Resistor 12k 1/16W Metal Oxide
R117	VRS-CZ1JF123JY	AA			Resistor 12k 1/16W Metal Oxide
R511	VRS-CZ1JF123JY	AA			Resistor 12k 1/16W Metal Oxide
R515	VRS-CZ1JF123JY	AA			Resistor 12k 1/16W Metal Oxide

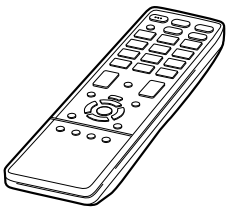
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] DKEYMG165FM01(MAIN Unit)					
R532	VRS-CZ1JF123JY	AA			Resistor 12k 1/16W Metal Oxide
R535	VRS-CZ1JF123JY	AA			Resistor 12k 1/16W Metal Oxide
R581	VRS-CZ1JF123JY	AA			Resistor 12k 1/16W Metal Oxide
R590	VRS-CZ1JF123JY	AA			Resistor 12k 1/16W Metal Oxide
R1103	VRS-CZ1JF181JY	AA			Resistor
R1104	VRS-CZ1JF181JY	AA			Resistor
R1547	VRS-CZ1JF201JY	AA			Resistor 200 1/16W Metal Oxide
R610	VRS-CZ1JF222JY	AA			Resistor 2.2k 1/16W Metal Oxide
R611	VRS-CZ1JF222JY	AA			Resistor 2.2k 1/16W Metal Oxide
R1916	VRS-CZ1JF222JY	AA			Resistor 2.2k 1/16W Metal Oxide
R1918	VRS-CZ1JF222JY	AA			Resistor 2.2k 1/16W Metal Oxide
R9633	VRS-CZ1JF223FY	AB			Resistor
R3324	VRS-CZ1JF223JY	AA			Resistor
R9607	VRS-CZ1JF223JY	AA			Resistor
R1711	VRS-CZ1JF224JY	AA			Resistor 220k 1/16W Metal Oxide
R3301	VRS-CZ1JF224JY	AA			Resistor 220k 1/16W Metal Oxide
R3313	VRS-CZ1JF224JY	AA			Resistor 220k 1/16W Metal Oxide
R3364	VRS-CZ1JF224JY	AA			Resistor 220k 1/16W Metal Oxide
R3368	VRS-CZ1JF224JY	AA			Resistor 220k 1/16W Metal Oxide
R9609	VRS-CZ1JF270JY	AA			Resistor 27 1/16W Metal Oxide
R9621	VRS-CZ1JF270JY	AA			Resistor 27 1/16W Metal Oxide
R3343	VRS-CZ1JF272FY	AB			Resistor 2.7k 1/16W Metal Oxide
R3321	VRS-CZ1JF272JY	AA			Resistor 2.7k 1/16W Metal Oxide
R505	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R508	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R1101	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R1102	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R3304	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R3316	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R3354	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R3355	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R3356	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R3358	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R3359	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R3360	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R9610	VRS-CZ1JF330JY	AA			Resistor 33 1/16W Metal Oxide
R9623	VRS-CZ1JF332FY	AB			Resistor 3.3k 1/16W Metal Oxide
R1903	VRS-CZ1JF332JY	AA			Resistor 3.3k 1/16W Metal Oxide
R9620	VRS-CZ1JF392FY	AB			Resistor 3.9k 1/16W Metal Oxide
R9634	VRS-CZ1JF392FY	AB			Resistor 3.9k 1/16W Metal Oxide
R9614	VRS-CZ1JF432JY	AA			Resistor
R3347	VRS-CZ1JF471JY	AA			Resistor 470 1/16W Metal Oxide
R1710	VRS-CZ1JF472FY	AA			Resistor
R3101	VRS-CZ1JF472JY	AA			Resistor
R3103	VRS-CZ1JF472JY	AA			Resistor
R3308	VRS-CZ1JF472JY	AA			Resistor
R3310	VRS-CZ1JF472JY	AA			Resistor
R3312	VRS-CZ1JF472JY	AA			Resistor
R3315	VRS-CZ1JF472JY	AA			Resistor
R3323	VRS-CZ1JF472JY	AA			Resistor
R9632	VRS-CZ1JF472JY	AA			Resistor
R9624	VRS-CZ1JF473FY	AB			Resistor
R607	VRS-CZ1JF473JY	AA			Resistor
R608	VRS-CZ1JF473JY	AA			Resistor
R625	VRS-CZ1JF473JY	AA			Resistor
R1503	VRS-CZ1JF473JY	AA			Resistor
R1511	VRS-CZ1JF473JY	AA			Resistor
R1716	VRS-CZ1JF473JY	AA			Resistor
R1719	VRS-CZ1JF473JY	AA			Resistor
R9606	VRS-CZ1JF473JY	AA			Resistor
R3306	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3504	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3505	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3506	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3507	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3508	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3509	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3511	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3512	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3513	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3519	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3520	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3521	VRS-CZ1JF560JY	AA			Resistor 56 1/16W Metal Oxide
R3357	VRS-CZ1JF680JY	AB			Resistor 68 1/16W Metal Oxide
R3371	VRS-CZ1JF680JY	AB			Resistor 68 1/16W Metal Oxide
R3373	VRS-CZ1JF680JY	AB			Resistor 68 1/16W Metal Oxide
R9619	VRS-CZ1JF681FY				Resistor 680 1/16W Metal Oxide
R1915	VRS-CZ1JF682JY				Resistor 6.8k 1/16W Metal Oxide
R1917	VRS-CZ1JF682JY				Resistor 6.8k 1/16W Metal Oxide
R1709	VRS-CZ1JF683FY				Resistor
R1713	VRS-CZ1JF683FY				Resistor
R101	VRS-CZ1JF822JY				Resistor 8.2k 1/16W Metal Oxide
R113	VRS-CZ1JF822JY				Resistor 8.2k 1/16W Metal Oxide
R1904	VRS-CZ1JF822JY				Resistor 8.2k 1/16W Metal Oxide
R9613	VRS-CZ1JF822JY				Resistor 8.2k 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] DKEYMG165FM01(MAIN Unit)					
R9622	VRS-CZ1JF822JY				Resistor 8.2k 1/16W Metal Oxide
R533	VRS-TQ2EF750JY	AA			Resistor 75 1/4W Metal Oxide
R547	VRS-TQ2EF750JY	AA			Resistor 75 1/4W Metal Oxide
R548	VRS-TQ2EF750JY	AA			Resistor 75 1/4W Metal Oxide
R549	VRS-TQ2EF750JY	AA			Resistor 75 1/4W Metal Oxide
R582	VRS-TQ2EF750JY	AA			Resistor 75 1/4W Metal Oxide
R583	VRS-TQ2EF750JY	AA			Resistor 75 1/4W Metal Oxide
R584	VRS-TQ2EF750JY	AA			Resistor 75 1/4W Metal Oxide
R526	VRS-TW2ED101JY	AA			Resistor 100 1/4W Metal Oxide
R528	VRS-TW2ED101JY	AA			Resistor 100 1/4W Metal Oxide
R9630	VRS-TW2HF1R0JY	AA			Resistor 1 1/2W Metal Oxide
R9631	VRS-TW2HF1R0JY	AA			Resistor 1 1/2W Metal Oxide
Q9607	VSKTA1535T+-1Y	AC			Transistor
Q3302	VSLTC014EEB-1Y				Transistor LTC014EEBFS8TL
Q1501	VSLTC044EEB-1Y	AB			Transistor LTC044EEBFS8TL
Q1502	VSLTC044EEB-1Y	AB			Transistor LTC044EEBFS8TL
Q1503	VSLTC044EEB-1Y	AB			Transistor LTC044EEBFS8TL
Q1901	VSLTC044EEB-1Y	AB			Transistor LTC044EEBFS8TL
Q1902	VSLTC044EEB-1Y	AB			Transistor LTC044EEBFS8TL
Q9601	VSRT1N141U/-1Y	AB			Transistor RT1N141U-T111-1
Q3301	VSUPUMD2+++-1Y				Transistor
J504	QJAKJ0101SEZZ				Jack
J506	QJAKJA024WJZZ				Jack
J502	QJAKLA047WJQZ				Jack
SC502	QSOCNB037WJQZ				Socket
J501	QSOCZA319WJQZ				Socket
TU1101	RTUNQA073WJQZ	AR			Tuner
[4] CABINET AND MECHNICAL PARTS					
1	CCABBC190WJ01				REAR CABINET ASSEMBLY (LC-32LE350M)
1-1	GCABBC190WJ4A				REAR CABINET (LC-32LE350M)
1-2	JBTN-A960WJ4B				CONTROL BUTTON
1-3	LANGKD438WJ4W	AD			VESA ANGLE (X2)
1-4	XEBS930P08000	AA			FOR VESA ANGLE (X2)
1-5	PSPAHC470WJ00				SPACER (X15)
1-6	PSPAHC676WJ00				SPACER (X5)
1-7	PSPAHC677WJ00				SPACER (X10)
2	CANGKD856WJ01	AH			FRONT ANGLE LEFT ASSEMBLY
2-1	LANGKD856WJ4W				FRONT ANGLE LEFT
2-2	PSPAZC522WJ4Z	AB			LEG CUSHION
3	CANGKD857WJ01	AH			FRONT ANGLE RIGHT ASSEMBLY
3-1	LANGKD857WJ4W				FRONT ANGLE RIGHT
3-2	PSPAZC522WJ4Z	AB			LEG CUSHION
4	GCOVAE341WJ4D	AD			AC CORD COVER
5	GCOVAE325WJ4B				SIDE AV COVER (FOR LC-32LE350/550M ONLY)
6	LANGKD855WJ4W	AN			BOTTOM ANGLE
7	LHLDWA101WJKZ				AC CORD HOOK
9	QACCBA119WJPZ				AC CORD (FOR MIDDLE EAST)
9	QACCZA213WJPZ				AC CORD (EXCEPT FOR PHILIPINES/THAILAND)
9	QACCZA214WJPZ	AN			AC CORD (FOR PHILIPINES)
9	QACCZA215WJPZ				AC CORD (FOR THAILAND)
10	QCNW-N120WJQZ				RA WIRE
11	QCNW-N178WJPZ				LVDS WIRE (FOR LC-32LE350M ONLY)
12	QCNW-N179WJQZ				PD WIRE
13	QCNW-N180WJQZ				L1 WIRE
14	RSP-ZA633WJPZ				SPEAKER (L/R)
16	XBPS830P06WS0				SCREW FOR CAB-B (X6)
17	XEBS830P12000	AA			SCREW FOR CAB-B (X4)
18	XBPS730P06WS0	AA			PWB & ANG SCREW (X14)
[5] LCD PANEL					
1	CLCDTA283WE01				LCD PANEL UNIT WITH CAB-A (LC-32LE350M)
2	CANGKD892WJ01	AY			BEZEL ANGLE ASSEMBLY
2-1	LANGKD892WJ4W				BEZEL ANGLE
2-2	LHLDZC006WJ4Z	AD			G8 HOLDER L (X2)
2-3	LHLDZC007WJ4Z	AD			G8 HOLDER T (X2)
2-4	LHLDZC008WJ4Z	AD			G8 HOLDER R (X2)
2-5	LHLDZC009WJ4Z	AD			G8 HOLDER BL
2-6	LHLDZC010WJ4Z	AD			G8 HOLDER BR
2-7	PSPAGC820WJZZ	AD			SPACER (X2)
2-8	PSPAGB109WJZZ				SPACER (X2)
2-9	ZTAPEP079400E				TAPE 7x400mm
2-10	ZTAPEP079715E				TAPE 7x715mm
3	CCABAC989WJ01				FRONT CABINET ASSEMBLY (LC-32LE350M)
3-1	GCABAC983WJ4A				FRONT CABINET (LC-32LE250M)
3-1	GCABAC989WJ4A				FRONT CABINET (LC-32LE350M)
3-2	HDECQB802WJ4A	AC			LED COVER
3-3	HPNLSA443WJ4B				SPEAKER SHEET (LC-32LE350M)
3-4	ZSFIM-60T550E	AB			PROTECT SHEET (X2)
3-5	ZSFIM-60T800E	AB			PROTECT SHEET (X2)
3-6	PSPAHC675WJ00				HIMELON
4	CCHSMA680WJ01	BA			PWB CHASSIS ASSEMBLY
4-1	LCHSMA680WJ4W				PWB CHASSIS
4-2	LHLDWA360WJUZ	AD			S-PWB HOLDER A (X2)
4-3	LHLDWA361WJUZ	AD			S-PWB HOLDER B (X2)

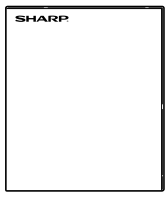
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[5] LCD PANEL					
4-4	LHLDWA363WJUZ	AD			LED WIRE HOLDER
4-5	PSPAZC831WJZZ	AB			SPACER FOR SPK (X2)
5	CHLDZC012WJ01	AF			SHADING FRAME TL ASSEMBLY
5-1	LHLDZC012WJ4Z	AE			SHADING FRAME TL
5-2	PSHEPB282WJZZ				TOP TAPE
6	CHLDZC014WJ01	AF			SHADING FRAME LEFT ASSEMBLY
6-1	LHLDZC014WJ4Z	AF			SHADING FRAME LEFT
6-2	PSHEPB280WJZZ				LEFT TAPE
7	CHLDZC015WJ01	AF			SHADING FRAME RIGHT ASSEMBLY
7-1	LHLDZC015WJ4Z				SHADING FRAME RIGHT
7-2	PSHEPB281WJZZ				RIGHT TAPE
8	LHLDZC011WJ4Z	AG			SHADING FRAME BOTTOM
9	LHLDZC013WJ4Z	AE			SHADING FRAME TR
10	LX-BZ2312TPZZ	AB			SCREW FOR CHASSIS (X6)
11	PGIDMA074WJZZ	BD			LGP
12	PMIR-A335WJ4A	AQ			REFLECTION
13	PRDARB097WJ4W	AH			HEAT SPREADER
15	PSHEPB274WJ4A	AR			DIFFUSION (X2) (FOR LC-32LE250/350M)
16	PSHEPB275WJ4A				PRISM
17	PSPAZD037WJ4Z	AB			LGP SPACER (X2)
18	R1LK315T3HB60W	CK			PANEL HIRAKI
19	RUNTKB129WJZZ	AZ			LED PWB A
20	RUNTKB130WJZZ	AZ			LED PWB B
21	XBPS730P06WS0	AA			ANGLE SCREW (X2)
22	XEBS830P12000	AA			SCREW M3X12

[6] SUPPLIED ACCESSORIES

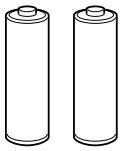
X1 Remote control unit



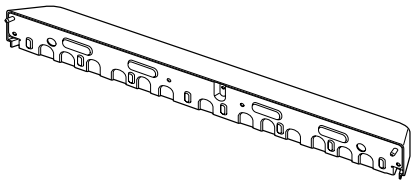
X2 Operation manual



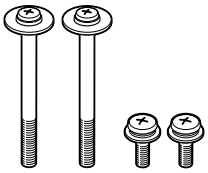
X3 AAA size battery (×2)



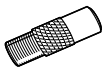
Stand unit



X4 Stand base



X5 Screws (× 4)

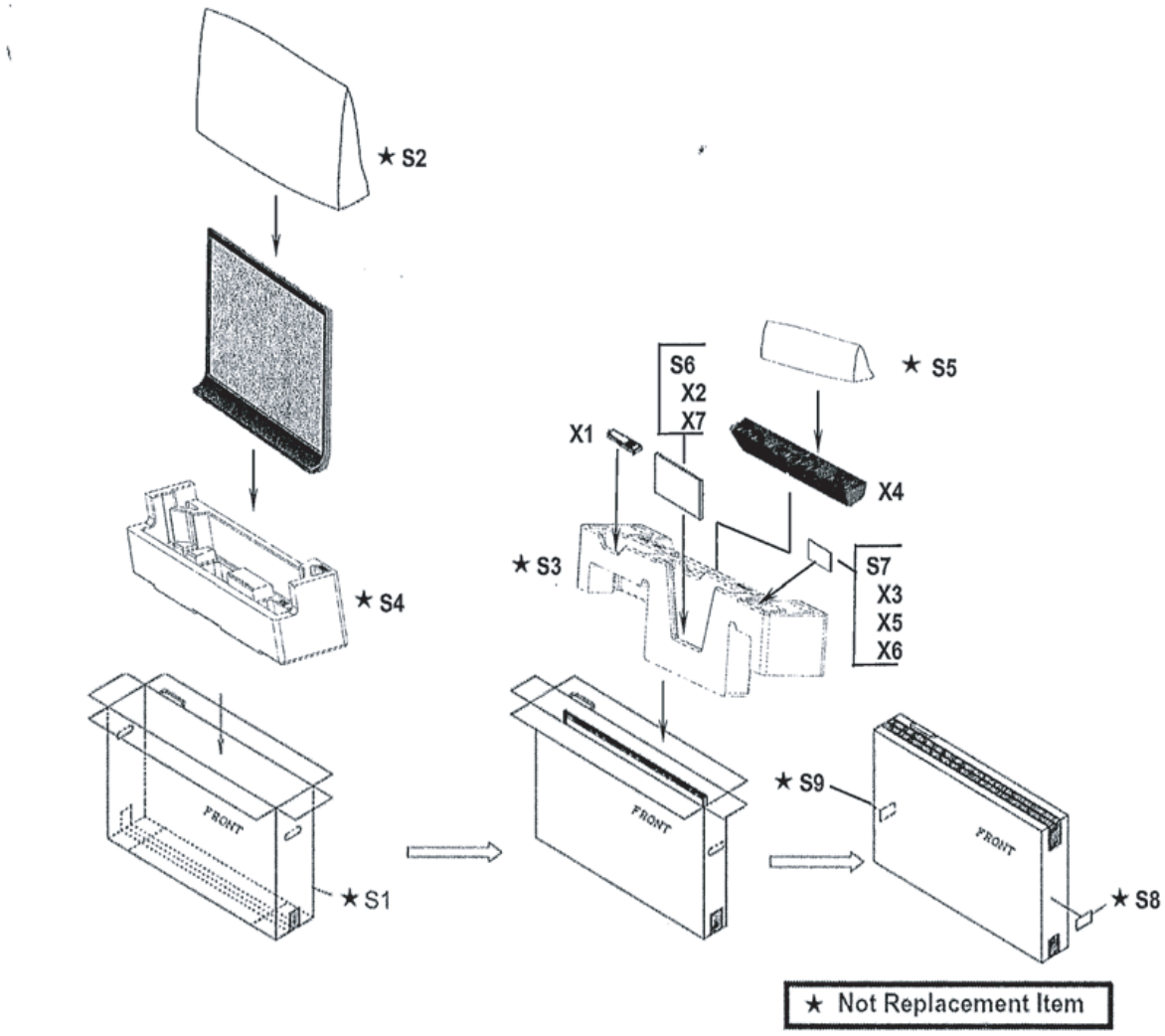


X6 Antenna adapter

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[6] SUPPLIED ACCESSORIES					
X1	RRMCGB072WJSA				R/C GUN (LC-32LE350M)
X3	NOT AVAILABLE				BATTERY (X2)
X2	TINS-F757WJZZ				OPERATION MANUAL (350M FOR INDONESIA/VIETNAM/THAIL
X2	TINS-F758WJZZ				OPERATION MANUAL (350M FOR ASIA)
X2	TINS-F759WJZZ				OPERATION MANUAL (350M FOR ASIA/MIDDLE EAST)
X2	TINS-F760WJZZ				OPERATION MANUAL (350M FOR THAILAND)
X2	TINS-F761WJZZ				OPERATION MANUAL (350M FOR INDONESIA)
X2	TINS-F762WJZZ				OPERATION MANUAL (350M FOR VIETNAM)
X2	TINS-F763WJZZ				OPERATION MANUAL (350M FOR MIDDLE EAST)
X2	TINS-F764WJZZ				OPERATION MANUAL (350M FOR ASIA/MIDDLE EAST)
X2	TINS-F765WJZZ				OPERATION MANUAL (350M FOR MIDDLE EAST)
X2	TINS-F766WJZZ				OPERATION MANUAL (350M FOR PHILIPPINES)
X4	CCOVAE603WJ01	AU			KS-STAND
X5	LX-BZA385WJF8	AB			STAND SCREW (X2)
X5	LX-BZA520WJF8				STAND SCREW (X2)

[6] SUPPLIED ACCESSORIES					
X6	QCNCWA969WJZZ	AF			ANTENNA ADAPTOR (FOR PHILIPPINES)
X7	TGAN-B249WJZZ	AC			WARRANTY CARD (FOR PHILIPPINES)
X7	TGAN-B383WJN1	AD			WARRANTY CARD (FOR VIETNAM)
X7	TGAN-B636WJZZ	AD			WARRANTY CARD (FOR ASIA/MALAYSIA)
X7	TGAN-B728WJZZ	AG			WARRANTY CARD (FOR INDONESIA)

[7] PACKING PARTS (NOT REPLACEMENT ITEM)



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[7] PACKING PARTS (NOT REPLACEMENT ITEM)					
S1	SPAKCH085WJZZ				PAKING CASE (LC-32LE350M) except INDONESIA
S1	SPAKCH086WJZZ				PAKING CASE (LC-32LE350M) INDONESIA
S2	SPAKPB924WJZZ	AE			HOSO-PP
S3	SPAKXD903WJZZ	AN			P-AD TOP
S4	SPAKXD904WJZZ				P-AD BOTTOM
S5	SPAKPB925WJZZ	AC			STAND HOSO SACK
S6	SSAKA0001PEZZ	AA			POLYETHYLENE BAG
S7	CBATUA024WJ06	AG			SCREW & BATTERY PACK (except PHILIPPINES)

[7] PACKING PARTS (NOT REPLACEMENT ITEM)

[7] PACKING PARTS (NOT REPLACEMENT ITEM)

S8	TLABV0182AJZZ	AB			NO. CARD
S9	TLABZD535WJZZ				CARTON LABEL (LE350M VIETNAM)

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