

XTL-W7000

SERVICE MANUAL

E Model



- This set includes the TV antenna (VCA-119).

Model Name Using Similar Mechanism	NEW
Open/Close Mechanism Type	DB-M01

SPECIFICATIONS

Monitor section

Display type Wide LCD colour monitor
Picture size 7 in.; 154 × 87 mm, 180 mm
(W × H, diagonally)
System TFT active matrix
Number of pixel 336,960 pixels

TV tuner section

Television system
M system (NTSC)/
B, G, I, D, K system (PAL)
Colour system
TV: NTSC (NTSC system)/PAL
(PAL system)
VIDEO: NTSC/PAL (Compatible)

Channel converge

NTSC system only:
VHF: 2 - 13 CH
UHF: 14 - 69 CH

PAL system only:

CCIR	VHF: 2 - 12 CH UHF: 21 - 69 CH
CHINA	VHF: 1 - 12 CH UHF: 13 - 57 CH
UK/HKG (Hong Kong)	VHF: - UHF: 21 - 69 CH
ITALY	VHF: A - H2 CH UHF: 21 - 69 CH
NEWZEALAND	VHF: 1 - 11 CH UHF: 21 - 69 CH
AUSTRALIA	VHF: 0 - 12 CH UHF: 28 - 69 CH

General

Power requirements

12 V DC, from car battery (negative ground)

Outputs

Video/Audio (Sony BUS compatible, 1)
Sony BUS (1)

Inputs

Video/Audio (Sony BUS compatible, 2)
Composite (either commercially available navigation system or back camera can be connected, 1)
Sony BUS (1)
TV antenna (1)

Speaker type

20 × 40 mm (monaural)

Dimensions

with monitor retracted
Approx. 178 × 50 × 190.5 mm
(W × H × D)

Current drain

Approx. 2 A

Mass

Approx. 1.9 kg

Supplied accessories

Card remote commander RM-X701
(1) (incl. 1 lithium battery)
RCA interconnects (Audio L/R × 1,
Video × 1)
TV antenna VCA-119 (left/right) (1)
Parts for installation and
connections (1 set)
Installation/Connections manual (1)
Operating Instructions (1)

Design and specifications are subject to
change without notice.

MOBILE COLOR TV

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Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
 (Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

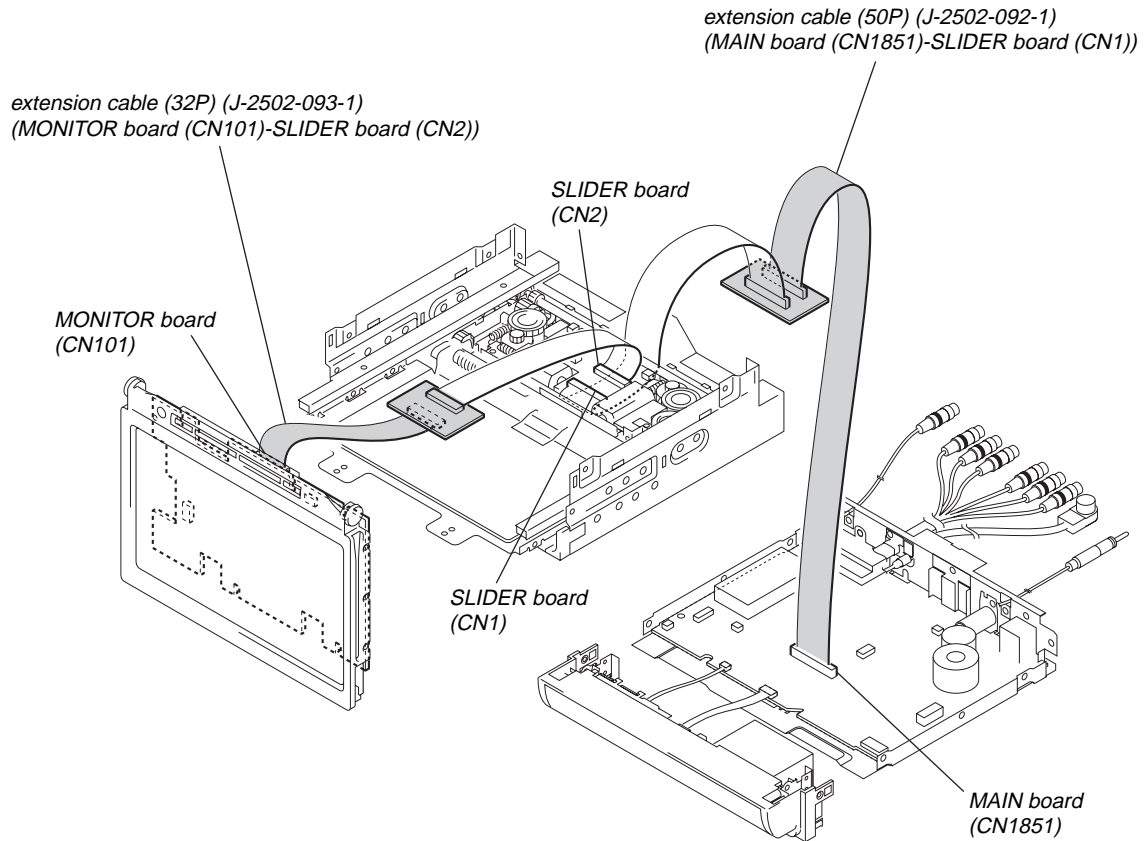
Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
 Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
 Soldering irons using a temperature regulator should be set to about 350 °C.
 Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
 Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
 It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

SECTION 1 SERVICING NOTE

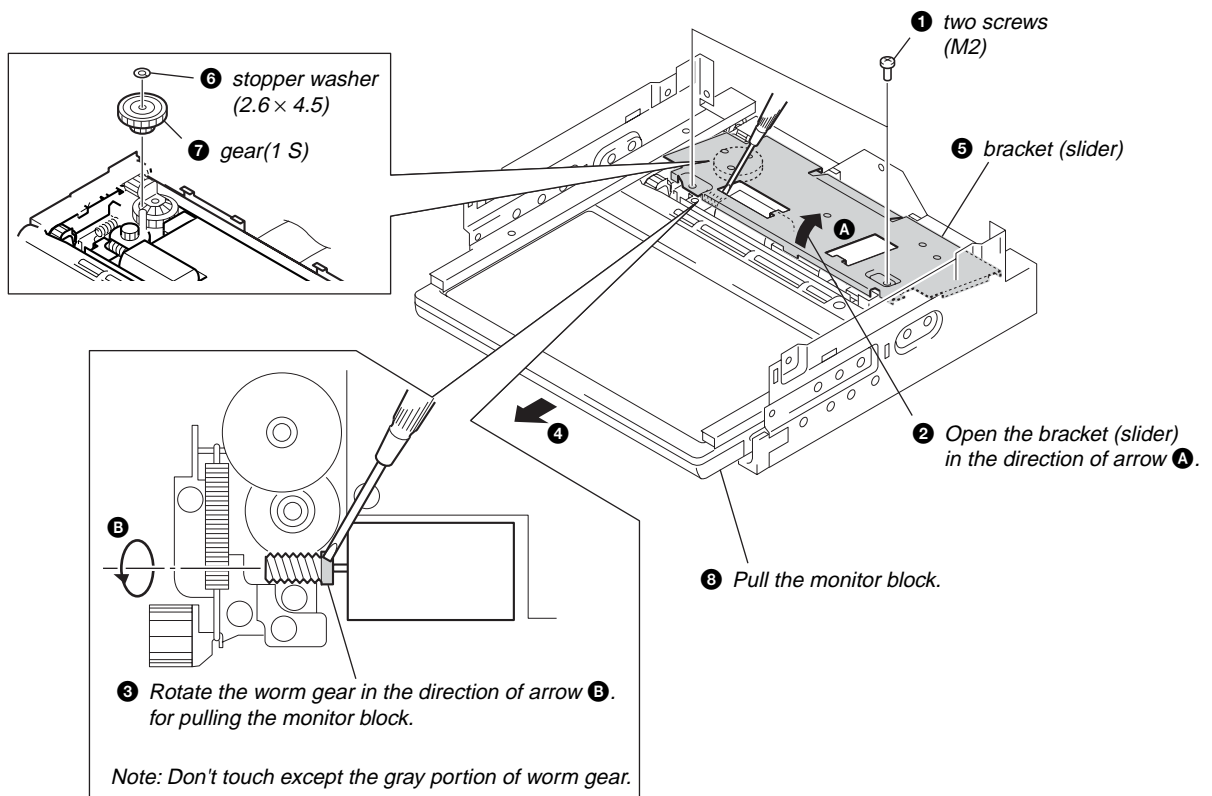
JIG ON REPAIRING

When repairing this set, etc., connect the extension cable as the figure shown below.



HOW TO PULL OUT MONITOR BLOCK IN CASE ELECTRICITY DOES NOT CIRCULATE

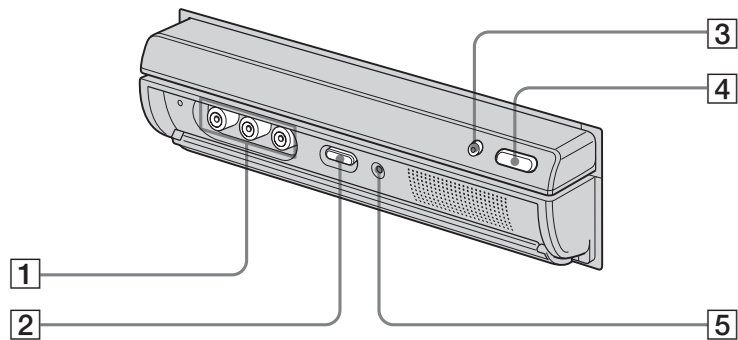
When monitor block does not open by fault, pull out monitor block in the following procedures.



Location of Controls

Main unit

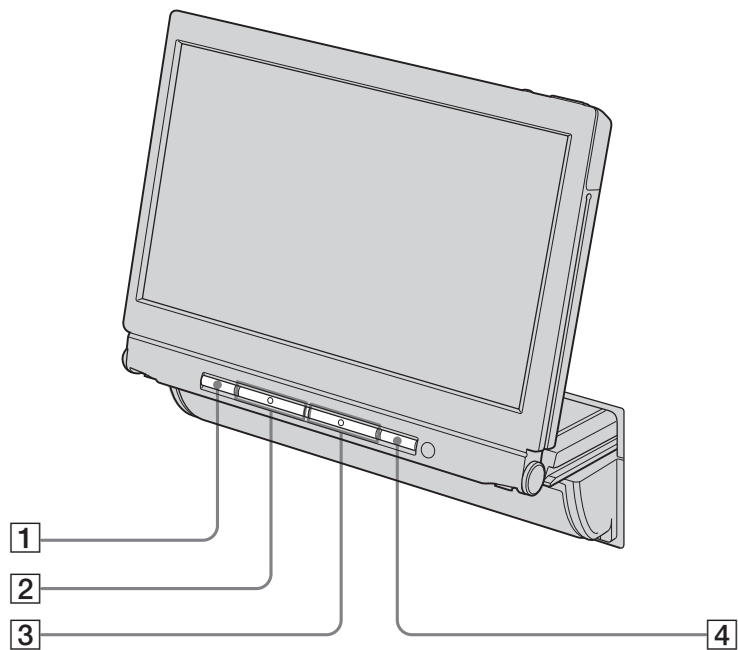
Monitor closed



- 1 VIDEO 1 IN jacks (VIDEO, AUDIO (L/R))
- 2 CUSTOM button
- 3 TILT button

- 4 OPEN/CLOSE button
- 5 Reset button

Monitor opened

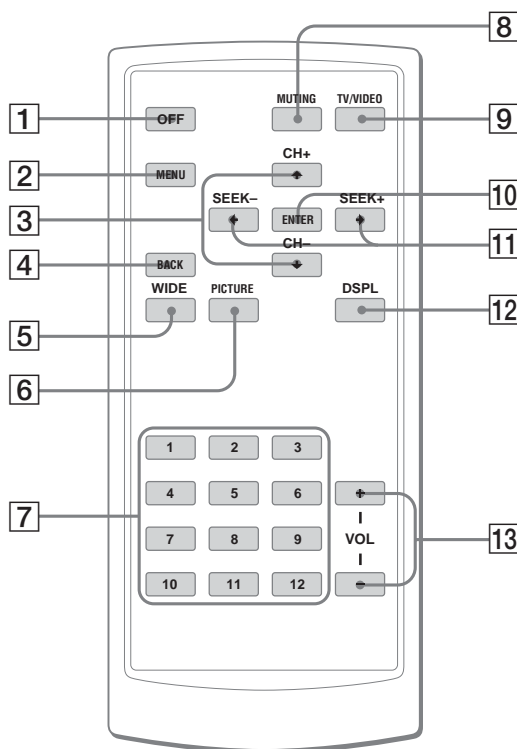


- 1 TV/VIDEO button
- 2 VOL +/- buttons

- 3 SEEK +/- buttons
- 4 ANGLE button

Card remote commander

The unit can be operated with the card remote commander.



- 1 OFF button
- 2 MENU button
- 3 \uparrow/\downarrow CH +/- buttons
- 4 BACK button
- 5 WIDE button
- 6 PICTURE button
- 7 Number buttons

- 8 MUTING button
Turning off the sound temporarily.
When you press the button, the sound is turned off and "MUTING" appears in the display.
To restore the sound, press the button again (or VOL +).
- 9 TV/VIDEO button
- 10 ENTER button
- 11 \leftarrow/\rightarrow SEEK +/- buttons
- 12 DSPL button
- 13 VOL +/- buttons

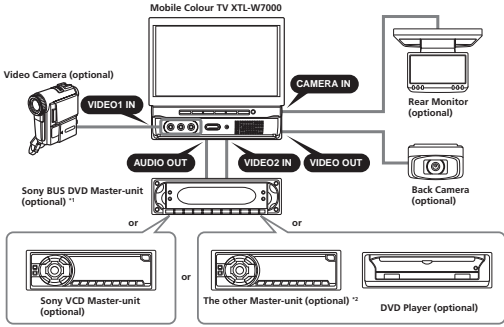
Tips

- See "Replacing the lithium battery" for details on how to replace the battery.
- If an optional Master-unit is connected using Sony BUS system, function of some of the buttons will change as follows:
 - The TV/VIDEO button will function as a NAVI button (when "NAVI/CAMERA" is set to "NAVI").
 - The OFF button will turn off the monitor.
 - The SEEK +/- and the Number buttons will be invalid.

Connection Example

For details, see the section "1 Car Systems Connections" (pages 8 - 10). Be sure to refer also to the documentation for all other components in the system.

System configuration



*1 Sony BUS DVD Master-unit will come in 2005.
*2 In case of other manufacture's Master-units, audio signal is reproduced through FM modulator.

To output the audio of other manufacture's Master-units using the RF modulator
If you connect a genuine car audio or a car audio without the TV control function to the TV unit, its audio can be output through the TV unit's built-in monaural speaker. You can also receive and hear the sound from the FM tuner of the car audio by converting the audio signal to FM.

Preparations

- To use this function, connect the FM antenna of the car audio referring to page 9. Without a proper connection, this function will not be effective.
- You may need to change the transmitted frequency or output level (see "Tips" below).

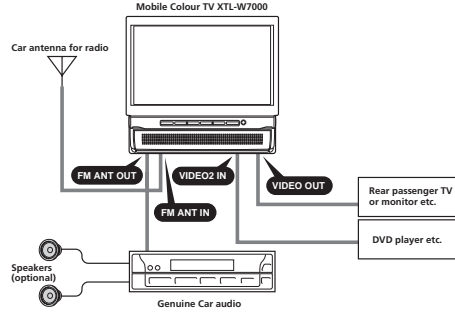
- Press TV /VIDEO repeatedly to select the function of the connected device.
- Press CUSTOM on the unit.
"RF OUTPUT ON" appears in the monitor.
If you have changed the function of the CUSTOM button, select RF OUTPUT ON or OFF from a Menu screen.
- Select the FM tuner from the car audio source, and tune in to *88.3 MHz*.
Once the audio is output, adjust the volume level with the car audio.

Tips

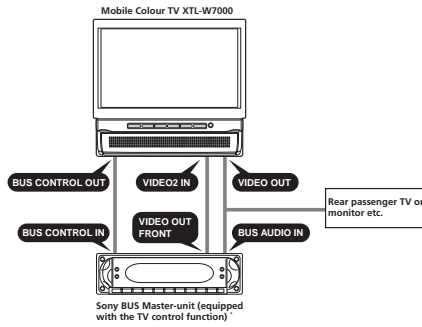
- If there is a broadcasting station of the same frequency as the transmitted frequency set on the TV unit, the sound of TV or the connected device may be difficult to be heard, or noise may occur. In this case, change the transmitted frequency on built-in RF modulator of the TV unit. For more information about how to change the frequency, see "Changing the transmitted frequency on TV unit" on page 22. (The default setting is *88.3MHz*.)
- You can change the output level of the TV unit according to the input level of the FM tuner of a car audio. For more information about how to change the setting, see "Changing the output level on the TV unit" on page 22. (The default setting is "MID".)

Connection of separately available accessories
Items except the main unit and the connection box are optionally available.

Connecting without Sony BUS system



Connecting with Sony BUS system



* Sony BUS Master-unit (equipped with the TV control function) will come in 2005.

Tip
For connecting two or more CD/MD changers, the source selector is necessary.

Connecting Information

For details, see the section "1 Car Systems Connections" (next page).

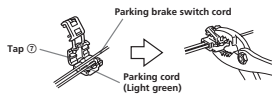
Connecting the cords

- Notes**
- Be sure to connect the power input cord after all other cords are connected.
 - If the parking brake switch cord is too thin, connect the parking cord to the parking brake switch cord directly without using the tap.

Connect each cord using the taps. For the combination of each cord, see the following table. Also, see the section "1 Car Systems Connections" (next page).

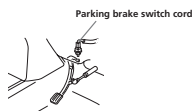
TV unit side	Car side
Orange/white	Illumination signal cord
Purple/white	Power terminal cord of the back lamp
Light green	Parking brake switch cord

Using the tap



Connecting the parking cord
The mounting position of the parking brake switch cord depends on your car. Refer to the system connection illustrations below and consult your car dealer or your nearest Sony dealer for further details.

Foot brake type



Hand brake type



The cord for utilizing the Navigation system better
Purple/white cord (for the connection to the power terminal cord of the back lamp)

If you connect the purple/white cord to the power terminal cord of the back lamp, the image of back camera will be automatically displayed on the monitor when a back lamp lights up. You can adjust the parking location viewing the image of back camera when you backup.

1 Car Systems Connections

Refer also to the documentation for all other components in the system.

- Also see "Connecting Information" on page 7.
- Components listed here except for supplied accessories are available separately. When connecting such components, be sure to also refer to their documentation.
 - For specifications and other information on separately available components, contact your dealer.

Prevention of accidents caused by short-circuits

To prevent the risk of accidents caused by short-circuits, connect the power supply leads (red and yellow) only after all other wiring has been completed, and only with the ignition key in the OFF position. Otherwise, accidental short-circuiting can lead to electric shock and to serious damage.

When a fuse has blown, check the wiring and locate the cause of the problem before replacing the fuse. When replacing the fuse, be sure to use only a fuse of the same rating (ampere rating). Using a different fuse or bridging the contacts with wire is highly dangerous and can lead to serious damage.

Make sure to connect all of the following leads.

- Otherwise there is a risk of electric shock, damage to the equipment, or malfunction.
- Connect purple/white lead to back lamp lead of car.
 - Connect orange/white lead to illumination signal lead of car.
 - Connect light green lead to parking brake switch lead of car.
 - Connect yellow lead to battery power supply of car.
 - Connect red lead to accessory power supply of car.
 - Connect black lead to metal point on car chassis.
 - Do not mix up the yellow and red leads, as this will cause the memory contents to be lost.**

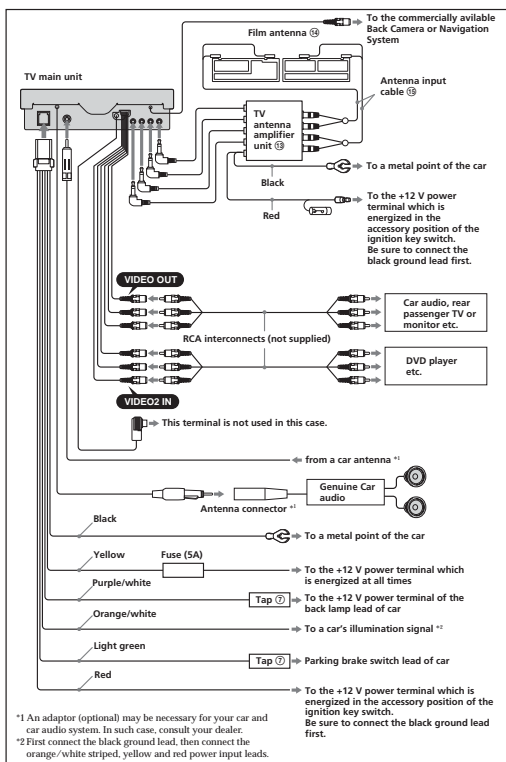
Observe the following precautions.

- Otherwise there is a risk of electric shock, damage to the equipment, or malfunction.
- Cover unused connectors with electrician's tape to prevent accidental contact.
 - Route FM/AM antenna cable, TV antenna cable, bus cable, RCA interconnects, and power supply leads as far apart from each other as possible, to prevent noise interference.
 - Always grasp the connector and do not pull the cable when disconnecting the bus cable or other cables. Otherwise the cable may become detached.

Note
Install the TV antennas away from the FM/AM antenna.

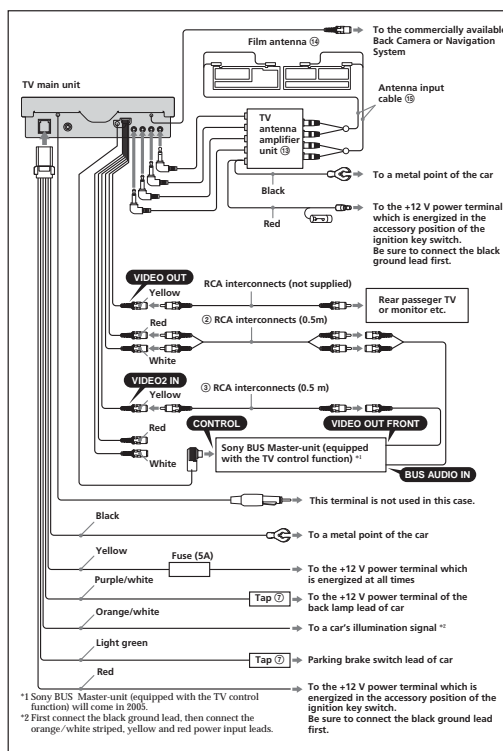
Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

Connecting without Sony BUS system



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Connecting with Sony BUS system



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2 Installing the Main Unit

Installation angle
 The unit should be installed within an angle of 30 degrees from horizontal. If this angle is exceeded, the monitor may not open up or retract properly.

After all connections are made, install the main unit to the dashboard.

Before installation

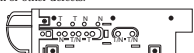
This unit is designed to be completely safe, but if not installed correctly, it can cause accidents. Be sure to verify the following points before installation.
 Install the main unit to the in-dash location, and the amplifier unit under the navigator's seat, etc.
 • If the monitor in the opened position is close to a air-conditioning outlet, the outlet should be closed.
 • Install the unit so that the monitor when opened up will not block access to the hazard switch or other important controls.
 • Do not install the unit (monitor) in locations which may be subject to excessively low or high temperatures. (Otherwise the unit may be deformed and the LCD may be damaged.) Exposure to direct sunlight can also lead to high temperatures and should be avoided.

Selecting the installation location

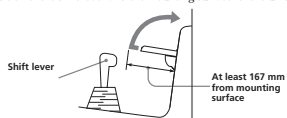
- 1 Set the ignition key to OFF or remove it.
- 2 Place the units in their intended mounting locations to check the cable length and monitor installation conditions.

Installation procedure precautions

- Perform the installation carefully. Dropping the unit or otherwise subjecting it to strong impact or force may deform the chassis, resulting in failure of the monitor loading mechanism or other defects.



- To allow for proper opening and closing of the monitor, there must be a clearance of at least 167 mm between the closest position of the shift lever and the mounting surface for the unit.



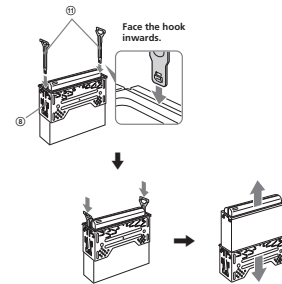
- In some cases, the shift lever may touch the monitor when moved to a certain position. Make sure that there is no obstruction to driving operations.
- When installing this unit together with other car audio equipment (single DIN slot size) in a stacked configuration, install the TV main unit on top.

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Removing the bracket

Before installing the unit, remove the bracket from the unit.

- 1 Insert two release keys (1) together into the unit and the bracket (2) until they click.
- 2 Pull down the bracket (2), then pull up the unit to separate.

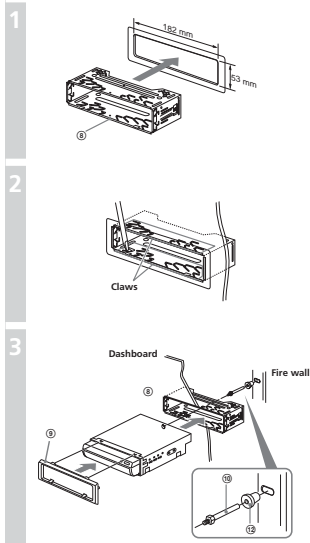


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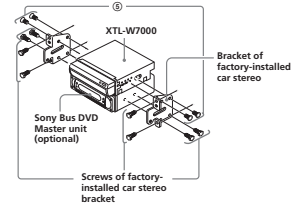
Installation procedure

Mounting example

When installing this unit, be sure to close the monitor of the unit. If the monitor is opened while installing and given too much force, it may cause a malfunction.

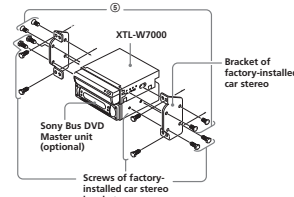


Toyota cars (illustration shows an example for a Toyota car)
Align the brackets of the factory-installed car stereo with the mounting holes marked "T" on the side of the TV main unit, and use the supplied screws to fasten the brackets. For Toyota cars, the supplied screws ⑤ should be used.



- Notes**
- Do not press the front panel buttons of the unit during installation and do not apply strong force.
 - Do not place any objects on top of the unit.
 - If a salient of the genuine bracket touches the unit due to its figure, and makes attachment hard, process the bracket by scraping the salient off.

Nissan cars
Align the brackets of the factory-installed car stereo with the mounting holes marked "N" on the side of the TV main unit, and use the supplied pan-head screws ⑥ to fasten the brackets.



- Be sure to use only the supplied pan-head screws ⑥ for installation. If any other screws are used, make sure they conform to the requirements shown below. Using longer screws can cause internal damage to the unit.



Damage can also occur if the screws are used directly on the unit without the brackets of the factory-installed car stereo.

3 Mounting the TV antenna

Mount the film antenna ③ to the car and connect the TV main unit.

For directions on connecting the TV main unit, see also 1 Car Systems Connections (complete connection diagram) on pages 8-10.

Note

Once you have mounted the film antenna, do not attempt to remove it and attach it again, as the adhesive will be considerably weakened. Be sure to temporarily fasten the cable and antenna in place and check that the cable has sufficient play before permanently attaching.

Note

During the mounting procedure, it will be necessary to remove the front pillar molding to [attach a ground wire]. When performing the installation yourself, if you decide it is too difficult to remove the front pillar molding, please contact your dealer for assistance. (Note that your dealer may charge a fee for their assistance.)

Note

Mount the film antennas to the inside of the front window. Do not mount the antennas anywhere other than the location described here.

Before attaching

Using the supplied cleaning cloth ④ to wipe away any oil, wax, or dust that may be on the window.

Before mounting

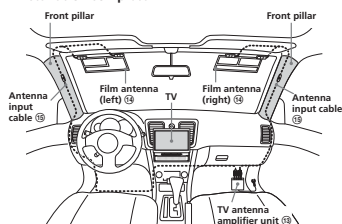
- It may not be possible to mount the antenna on some cars.
 - In cars with glass that does not transmit radio waves (infrared reflecting glass, insulated glass, glass that is opaque to electromagnetic waves, etc.), the signal reception will be extremely poor.
 - The antenna cannot be mounted in cars which have airbags in the front pillars.
- Mount the antenna to the front window, in the specified location and according to the specified dimensions.
 - The supplied film antenna is designed for attaching only to the front window. If attached to the rear window or elsewhere in the car, the signal reception may be extremely poor.

Required items

- Have the following items handy before beginning the mounting procedure.
- Tools (Philips screwdriver, etc.)
 - Cellophane tape
 - Scissors
 - Spray bottle (fill with 500 ml water and one or two drops of detergent)
 - Paper towels

Mounting position

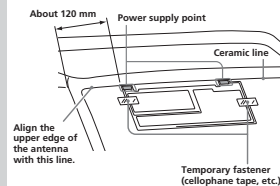
Installation complete



Film antenna mounting procedure

1 Check the film antenna ③ mounting position.

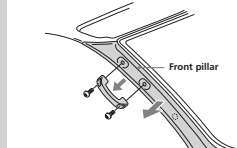
1 Align the film antenna power supply point with the lower edge of the window's ceramic line and fasten temporarily in place with cellophane tape. Do not remove the adhesive backing from the antenna yet. The figure below shows the results of this step, for the left antenna. Temporarily position the right antenna in the same manner.



2 Mark the left and right sides of the film antenna, using cellophane tape, etc.



2 Remove the inner molding from the front pillars on both sides of the front window.



(The above figure shows an example of a car, such as a sedan or SUV, which has a handle mounted on the front pillar.)

Notes

- The molding on the front pillar will be fastened in place with clips or screws. When removing it, take care not to damage or deform it.
- When performing the installation yourself, if you decide it is too difficult to remove the front pillar molding, please contact your dealer for assistance. (Note that your dealer may charge a fee for their assistance.)

Before attaching

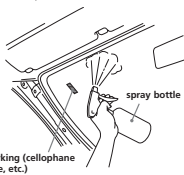
- Remove the film antenna, which you previously fastened temporarily in place, before beginning these steps.
- Cover the dashboard with a cloth to protect it from the water and detergent.
- Clean the front window well to remove any dirt, oil, or anti-fogging agent before beginning these steps.

When attaching the film antenna

- Position the antenna vertically by aligning the upper edge of the antenna with the lower edge of the ceramic line.
- Position it horizontally by aligning the edges with the marking (cellophane tape, etc.) that you previously placed on the window.
- Do not let the front window get dry as you are working. Spray it again with the detergent solution as needed.
- Until the front window dries, you can slide the antenna to adjust its position.
- When you have the antenna positioned where you want it, remove the markings.

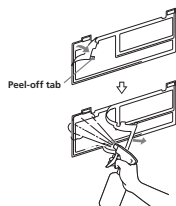
3 Attach film antenna ⑬.

- 1 Using a spray bottle, wet the inside of the front window well with a mild detergent solution. The optimal solution is 500 ml of water with one or two drops of detergent. (Pure water will not work well for making fine adjustments.)

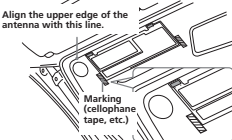


- 2 Remove the clear backing from the film antenna. Using the spray bottle, wet the exposed surface well with the mild detergent solution.

- Grasp the peel-off tab and peel the clear backing off slowly.
- Do not remove the protective sheet from the other side (the side that faces the inside of the car) yet. You will remove that sheet in step 4.
- Take care not to get dirt or fingerprints on the exposed surface of the film antenna.



- 3 Stick the film antenna to the front window.

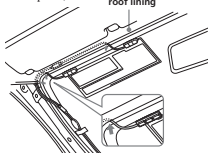


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Notes

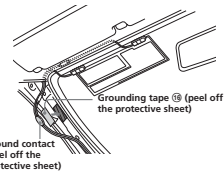
- Pull the roof lining down slightly and thread the cable under it.
- Take care not to pull too hard on the lining and bend it out of shape.
- Perform this step while holding on to the power supply point to avoid putting stress on that point.
- Route the antenna input cable carefully to avoid pulling excessively on, applying stress to, or kinking the cable.

- 3 Pass the antenna input cable ⑬ through the roof lining (inner roof panel).



- 5 Route the antenna input cable ⑬.

- 1 Apply the grounding tape ⑭ to the car body. Apply the grounding tape to the metal of the car body, in a position where it can contact the ground contact on the antenna input cable.



- 2 Affix the ground contact on the antenna input cable to the grounding tape ⑭.
- Peel off the protective sheet from the ground contact and stick it completely to the grounding tape. Make sure that no portion of the ground contact protrudes beyond the grounding tape, and that there is no part of the ground contact which is not firmly stuck to the grounding tape.

Notes

- Carefully wipe away any dirt on the attachment surface.
- Be sure to stick the grounding tape completely to a flat, metal part of the car body. Do not apply the grounding tape to a place that is not flat, or over a clip or screw hole. Do not scrape off the finish on the car body.

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Note

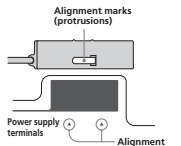
Make sure that the film antenna is completely dry before continuing with the mounting procedure. Continuing before the antenna is dry may cause it to come off the window.

The color of the protective sheet is used to distinguish the left and right antennas.

The right antenna (as seen from inside the car) has a blue protective sheet, and the left antenna has a white protective sheet. Take care to mount the antennas on the proper side of the car.

Connecting to the power supply terminals

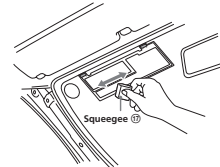
Align the protrusions on the power supply terminals with the arrows ▲ on the film antenna and fasten in place.



18

- 4 Use the supplied squeegee ⑮ to make sure the film antenna is well attached to the window.

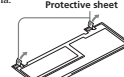
- Hold the antenna so it does not move while using the squeegee.
- Work from the center of the antenna outward.
- Work the squeegee along the length of the antenna, pushing out air bubbles to obtain a good seal.
- Do not rub the antenna too hard.



- 5 Use paper towels to wipe away the excess detergent solution and dry the antenna well. We recommend you let the antenna dry for 3-4 hours. Do not try to rush the drying process by using a hair-dryer or other heater. Doing so may damage the film antenna.

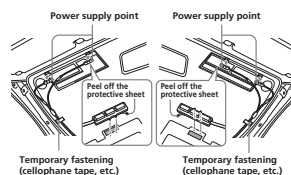
- 4 Attach the power supply terminal to the film antenna ⑬.

- 1 Remove the power supply point protective sheet from the film antenna.



- 2 Attach the antenna input cable ⑬ to the film antenna power supply terminals.

- The same type of cable is used for both the left and right antennas.
- Temporarily fastening the cable near the ground connection with cellophane tape will get the procedure easier.



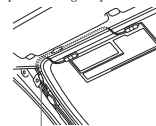
Temporary fastening (cellophane tape, etc.)

Temporary fastening (cellophane tape, etc.)

Important note

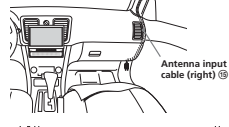
Use tape or other fasteners to route the cables such that they cannot interfere with vehicle operation. Do not wrap the cables around the steering column, gear shift lever, brake pedal, etc.

- 3 Route the antenna input cable, using the supplied antenna cord clamp ⑯ to hold it in place. Rout the cable so that it will be completely covered when the front pillar molding is replaced.

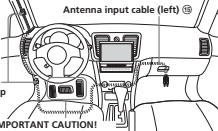


Antenna cord clamp ⑯

Antenna cord clamp ⑯



Antenna input cable (right) ⑬



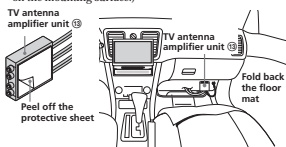
Antenna input cable (left) ⑬

Antenna cord clamp ⑯

IMPORTANT CAUTION!
Do not route the cable near the pedals!

- 6 Mount the TV antenna amplifier unit ⑰.

- 1 Mount the TV antenna amplifier unit. Mount the unit near the floor in the foot area in front of the passenger's seat, in a location where the cables will reach the expansion unit. (Be sure to wipe away any dirt on the mounting surface.)



TV antenna amplifier unit ⑰

TV antenna amplifier unit ⑰

Peel off the protective sheet

Fold back the floor mat

Important note

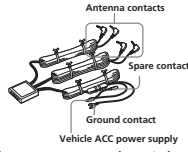
It would be extremely dangerous if the TV antenna amplifier unit were to get stuck underneath the brake pedal. Be sure to mount the amplifier on the passenger's side.

20

- 2 Connect the grounding cable from the TV antenna amplifier unit to a metal part of the car body where it can make a good ground contact.
- 3 Connect the antenna input cables to the TV antenna amplifier unit according to the markings on the amplifier (1, 2, 3, 4, TV).

7 Connect the TV main unit and the car's ACC power supply.

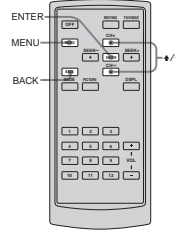
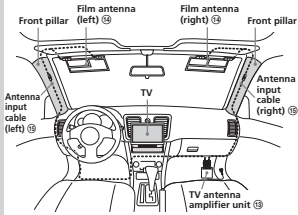
- 1 Connect the antenna terminal (L-type) on the TV antenna amplifier unit ③ to the TV main unit.



- 2 Connect the accessory power supply terminal to the car's ACC power supply.
 - Connect the ACC power supply cord from the TV main unit to the spare contact.
 - Do not connect directly to the battery.

8 Replace the front pillar molding.

9 Fasten cords out of the way.



Changing the transmitted frequency on the TV unit

You can change the transmitted frequency on the built-in RF modulator of the TV unit. The default setting is "88.3MHz".

- 1 Press MENU.
- 2 Press \blacktriangle or \blacktriangledown to select **RF FREQ**, then press ENTER.
- 3 Press \blacktriangle or \blacktriangledown to select "RF FREQUENCY", then press ENTER.
- 4 Press \blacktriangle or \blacktriangledown to adjust the transmitted frequency. Adjust the frequency range from "88.3MHz" to "89.9MHz".
- 5 Press ENTER.
- 6 Press MENU.

Changing the output level on the TV unit

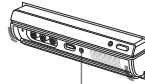
You can change the output level of the TV unit according to the input level of the FM tuner of a car audio. The default setting is "MID".

- 1 Press MENU.
- 2 Press \blacktriangle or \blacktriangledown to select **RF LEVEL**, then press ENTER.
- 3 Press \blacktriangle or \blacktriangledown to select "RF LEVEL", then press ENTER.
- 4 Press \blacktriangle or \blacktriangledown to select the output level. You can select from "HIGH", "MID" or "LOW".
- 5 Press ENTER.
- 6 Press MENU.

4 After Installation and Connections

- 1 Start the car's engine.
- 2 Verify that the brake lights, other lights, horn, turn indicators, and all other electrical parts operate normally.
- 3 Use a ball-point pen or similar to push the Reset button on the unit.

Note
To avoid the possibility of damage, you should not use a needle or push the button too strongly.

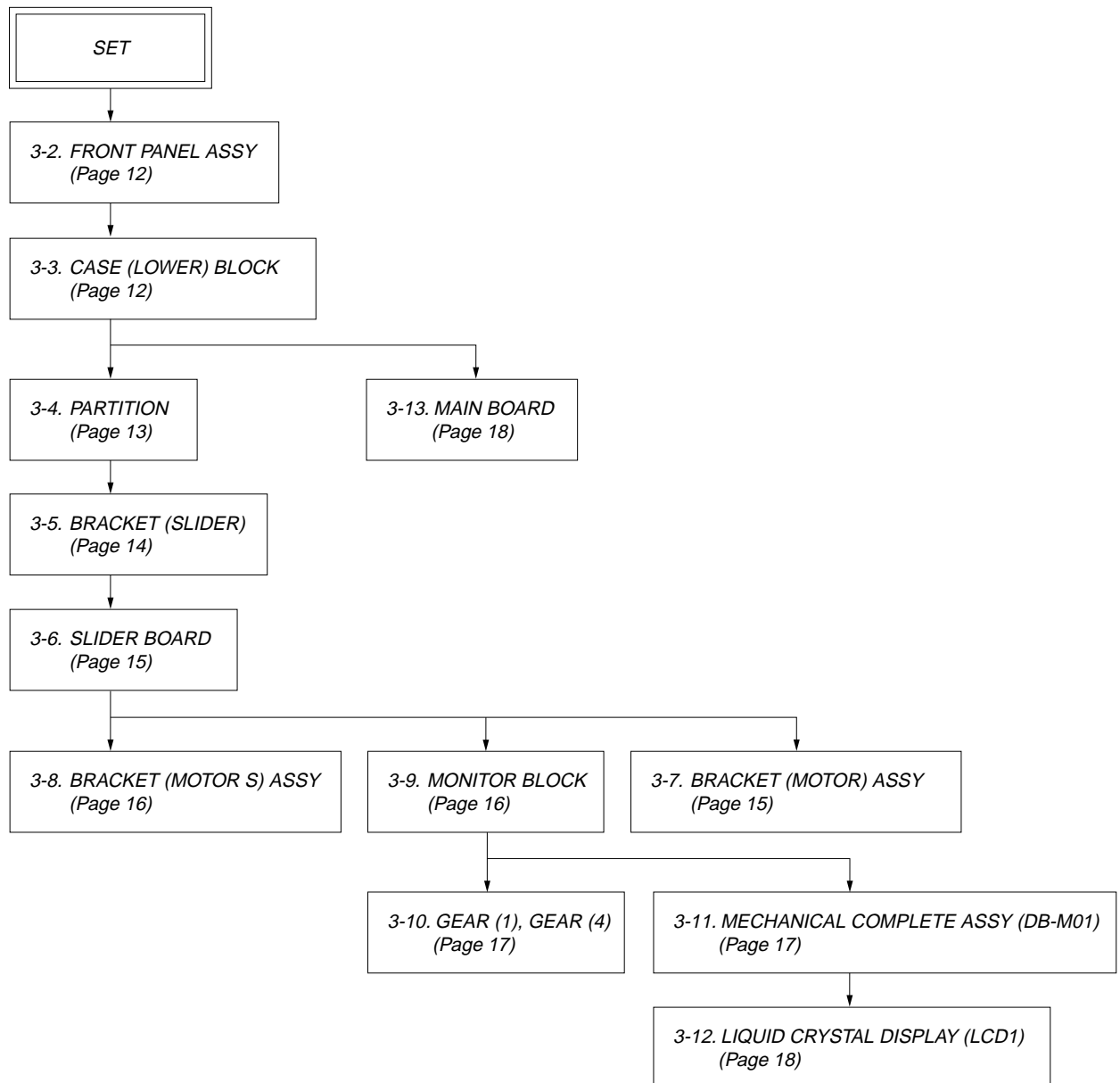


When you press the Reset button, the system becomes operative.

SECTION 3 DISASSEMBLY

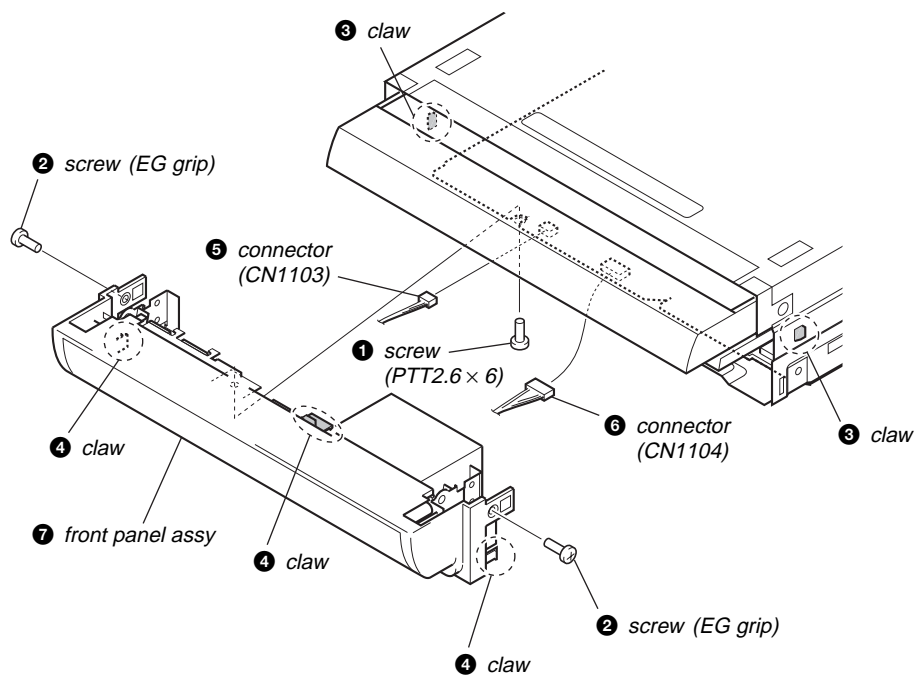
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

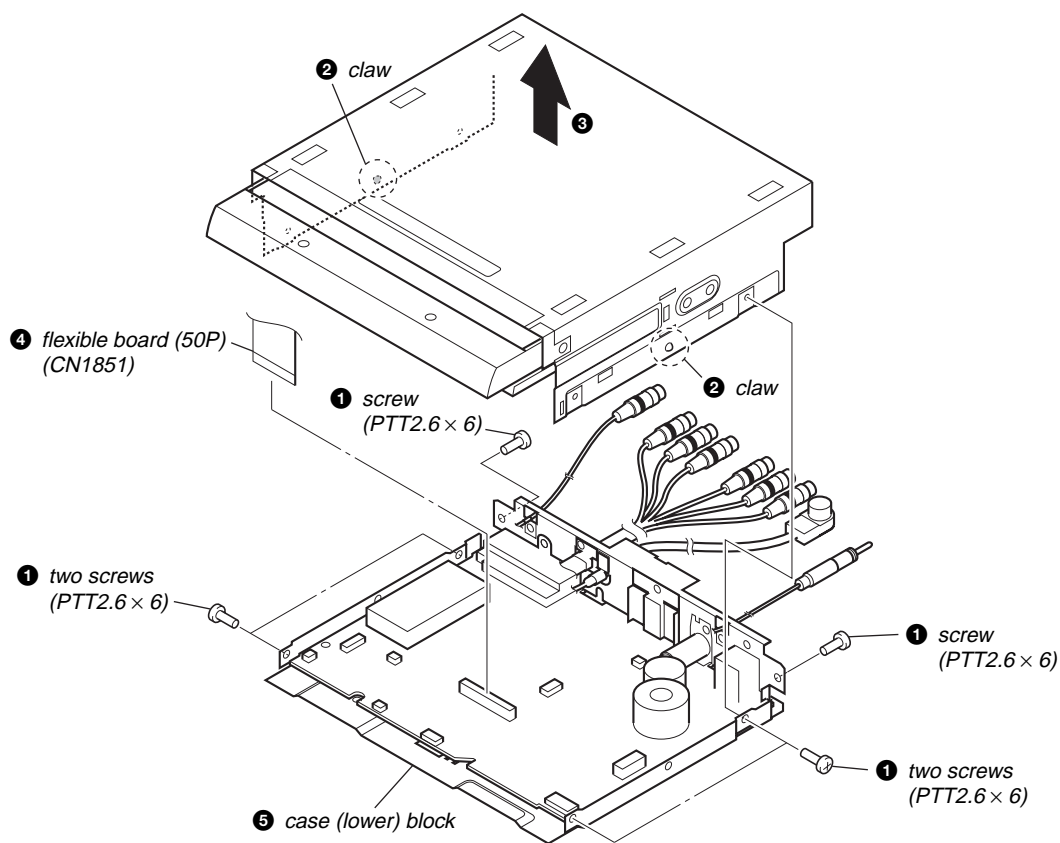


Note: Follow the disassembly procedure in the numerical order given.

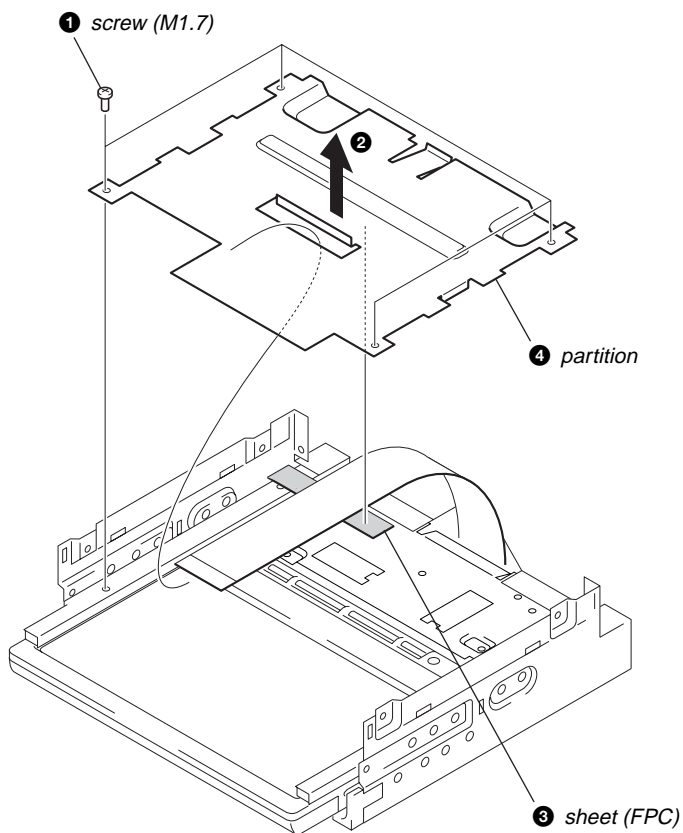
3-2. FRONT PANEL ASSY



3-3. CASE (LOWER) BLOCK

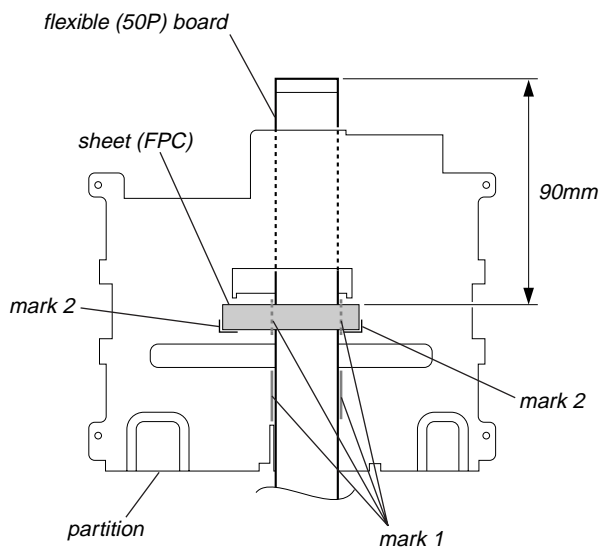


3-4. PARTITION

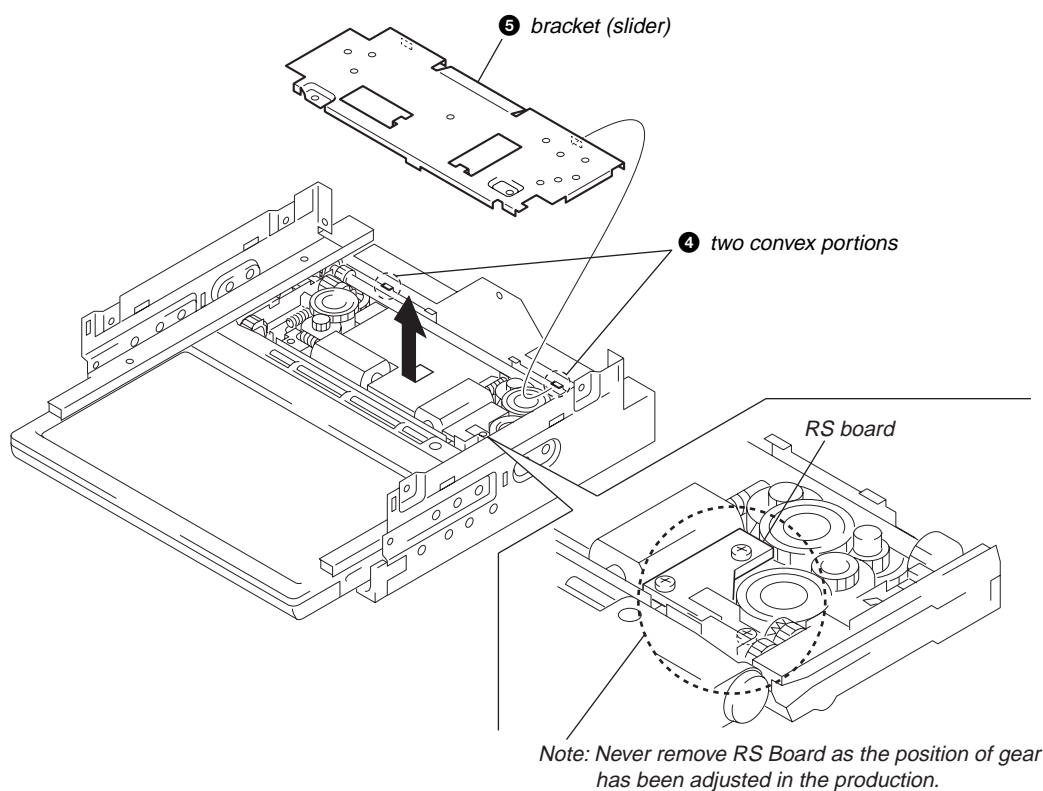
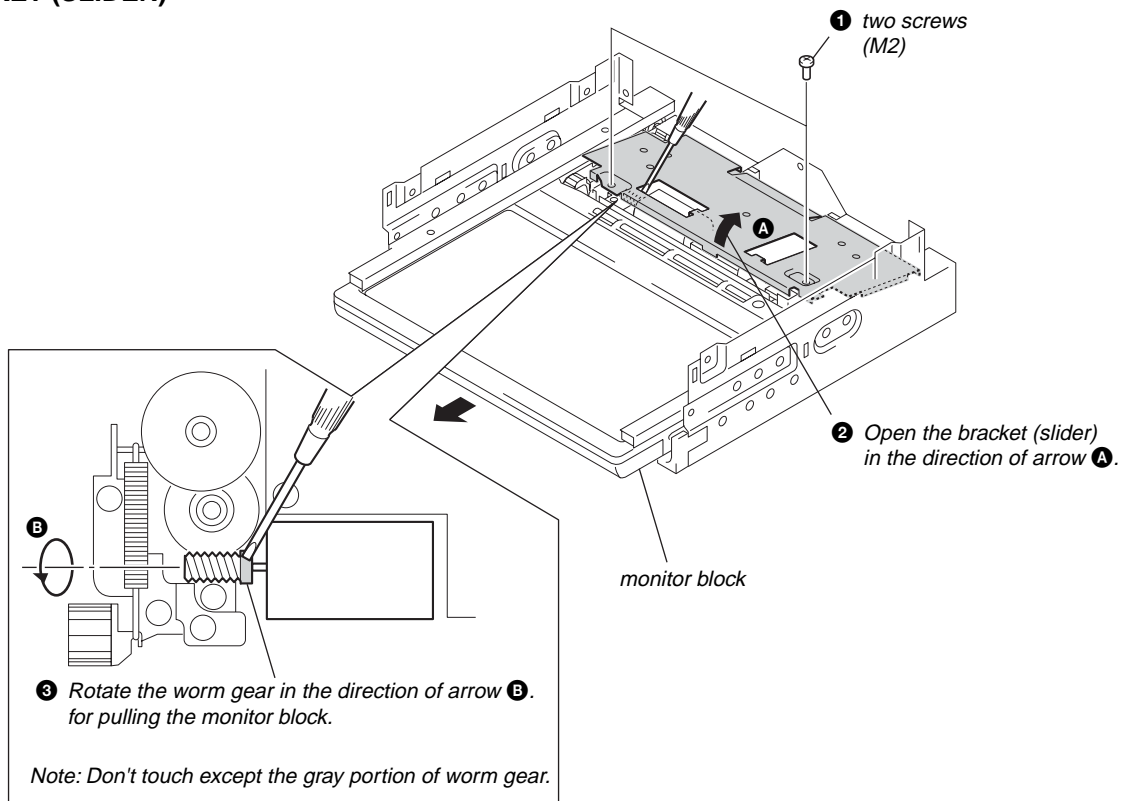


NOTE WHEN INSTALLING THE FLEXIBLE (50P) BOARD

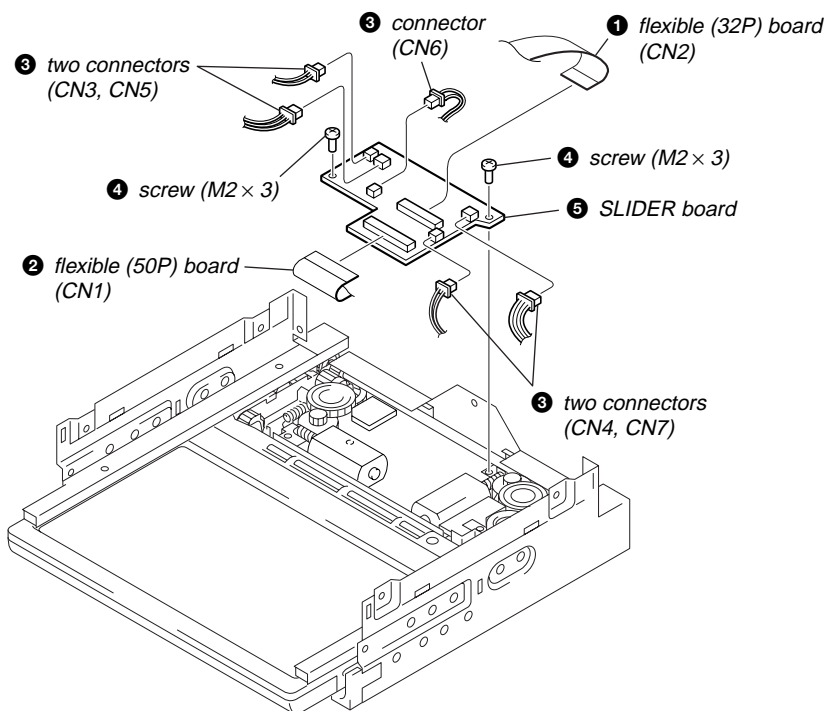
Note: Align the flexible (50P) board with the mark 1 on the partition, and attach the sheet (FPC) to the location of 90 mm from the leading end of flexible (50P) board, aligning with the mark 2 on the partition, as shown in the following figure.



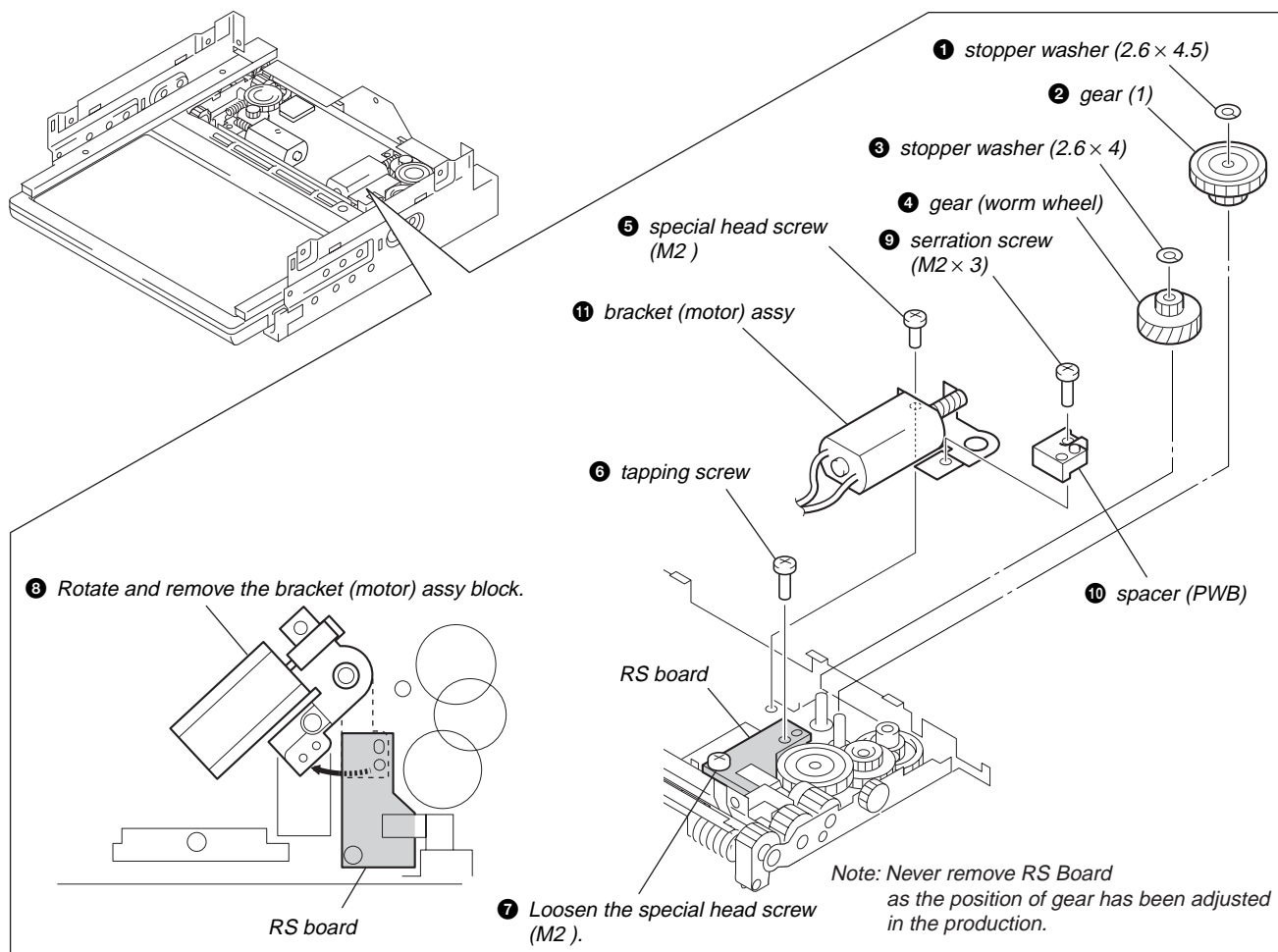
3-5. BRACKET (SLIDER)



3-6. SLIDER BOARD

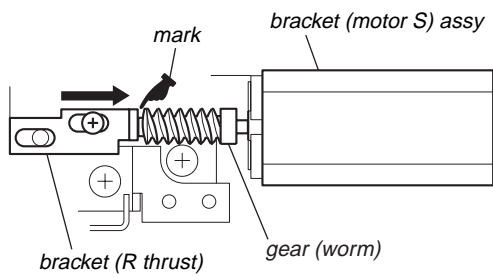


3-7. BRACKET (MOTOR) ASSY

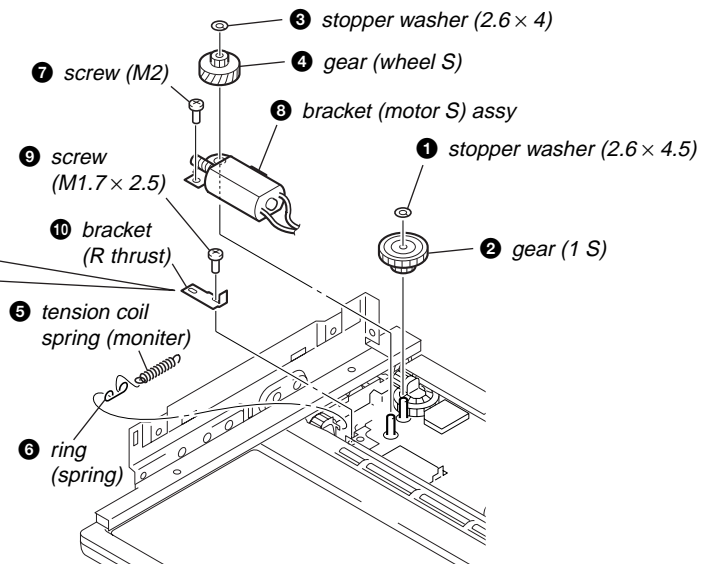


3-8. BRACKET (MOTOR S) ASSY

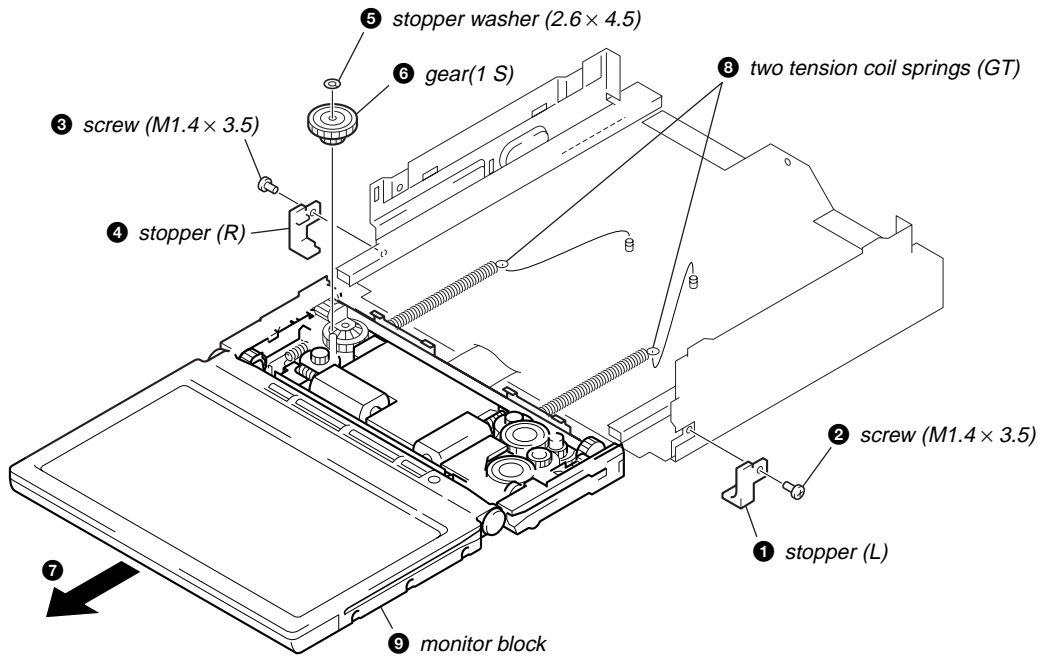
NOTE WHEN INSTALLING THE BRACKET (R THRUST)



Note: When installing the bracket (R thrust), no gap must be made at the mark portion of the gear (worm).

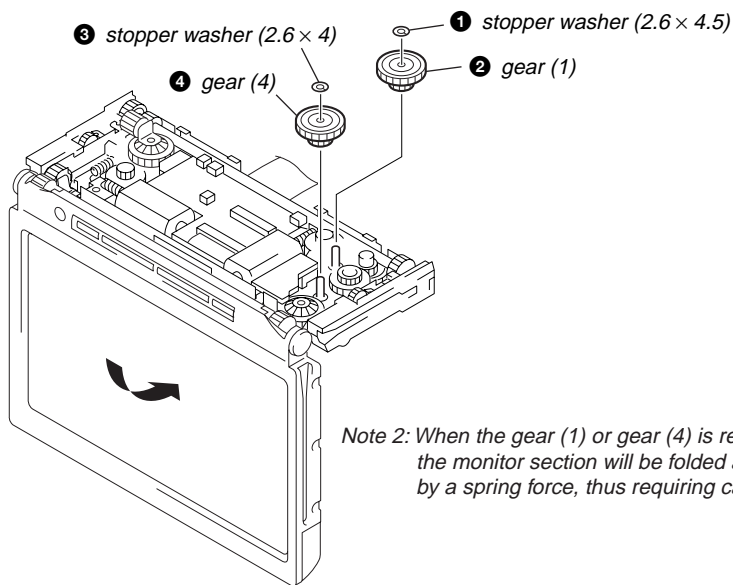


3-9. MONITOR BLOCK



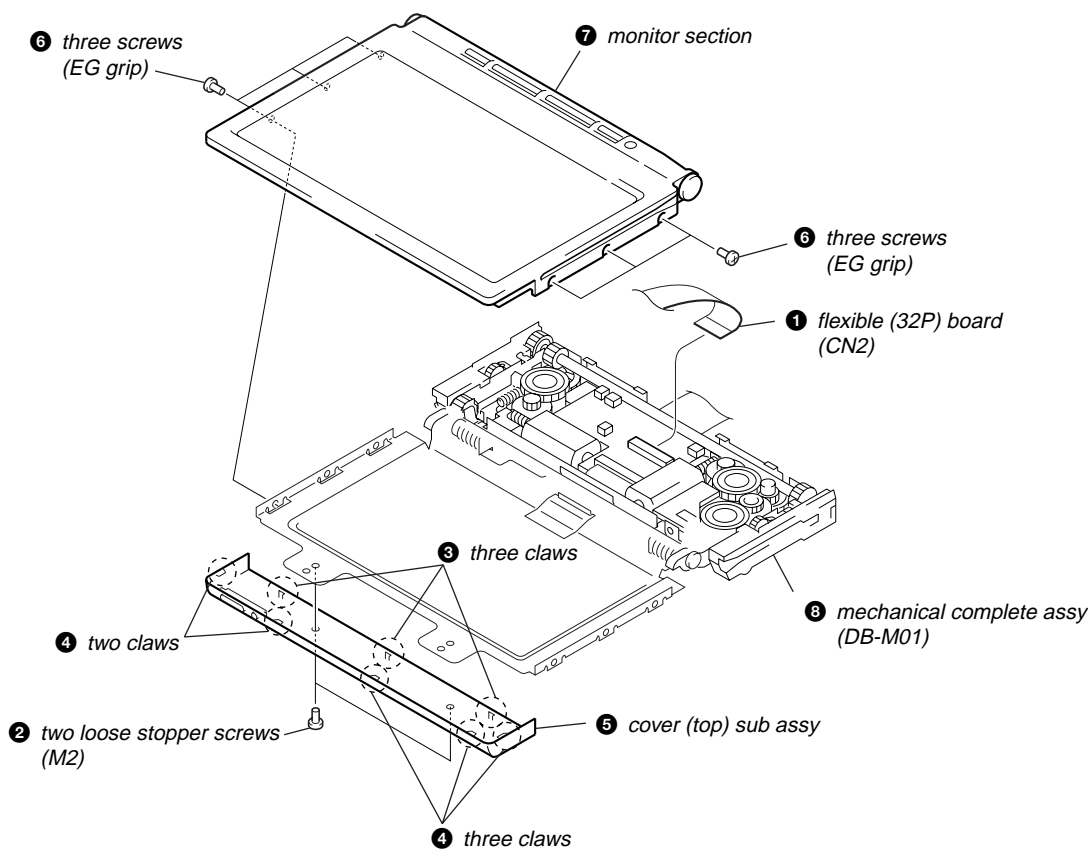
3-10. GEAR (1), GEAR (4)

Note 1: For the gear (1) and gear (4), there is no problem whichever may be removed first.

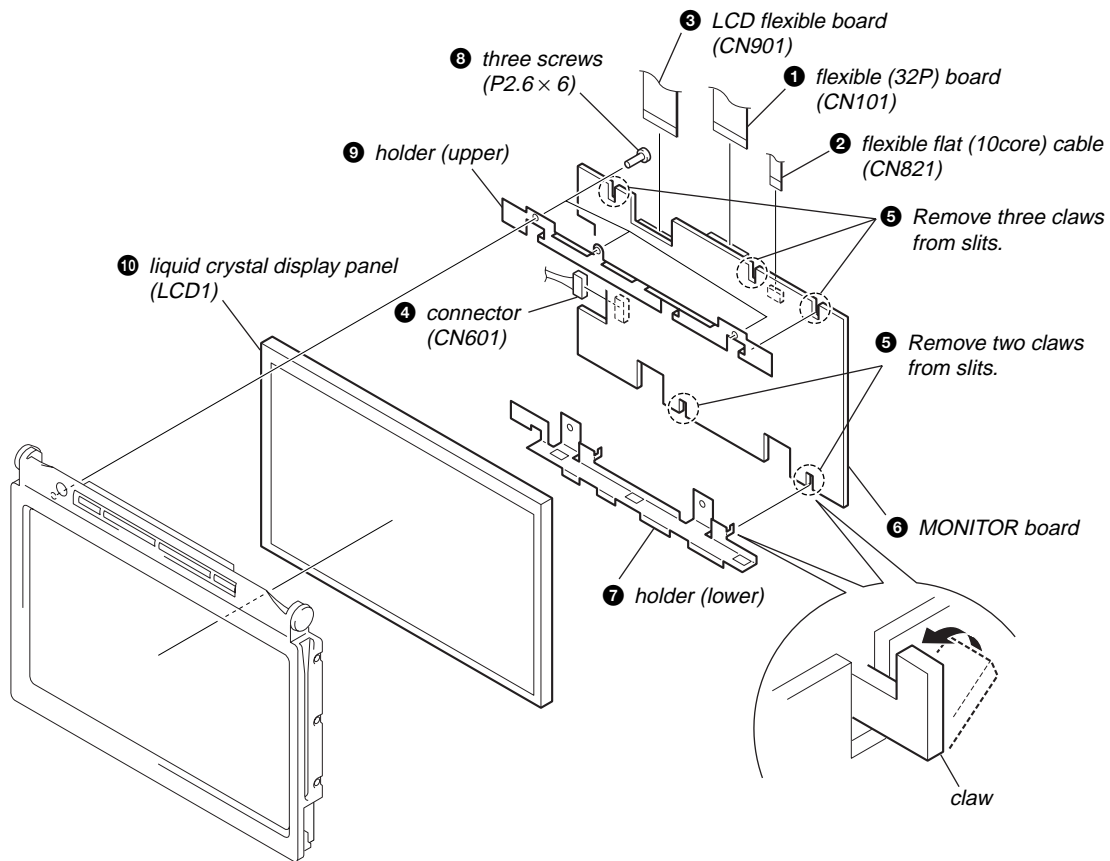


Note 2: When the gear (1) or gear (4) is removed, the monitor section will be folded abruptly by a spring force, thus requiring care for handling.

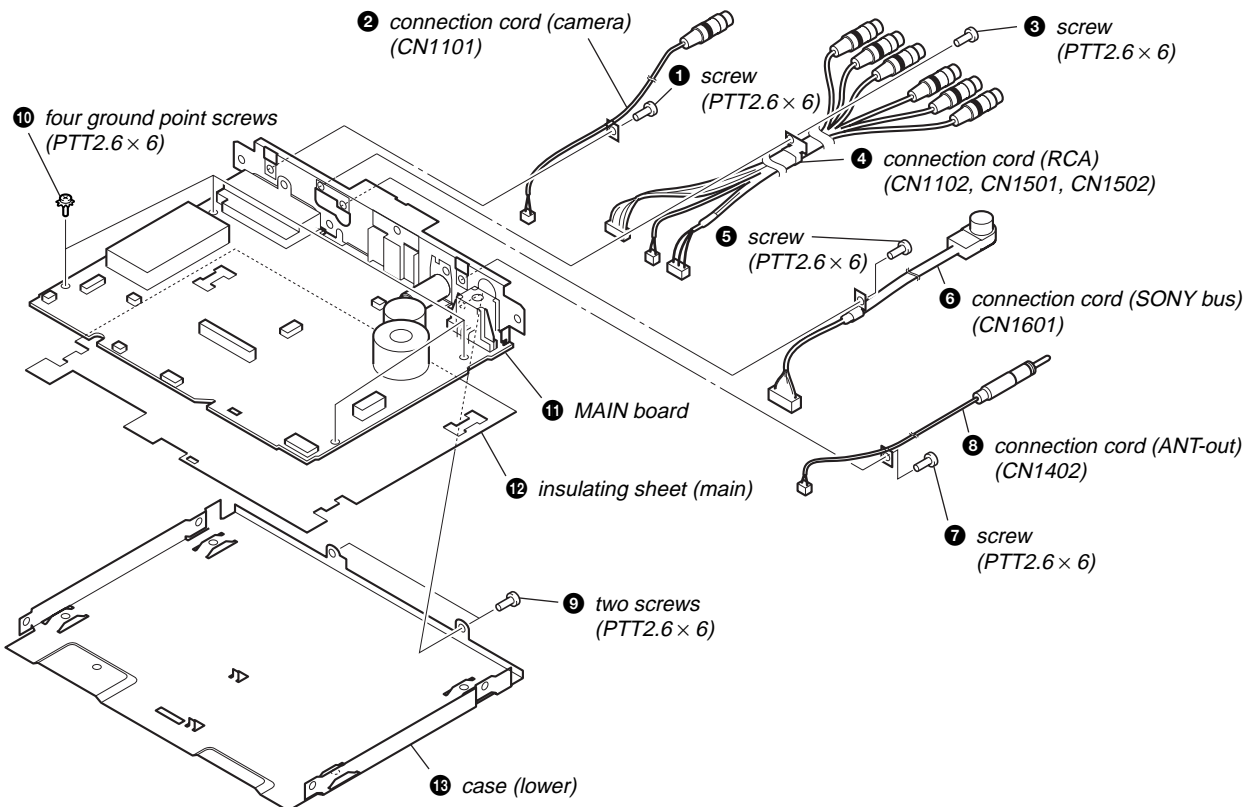
3-11. MECHANICAL COMPLETE ASSY (DB-M01)



3-12. LIQUID CRYSTAL DISPLAY (LCD1)



3-13. MAIN BOARD



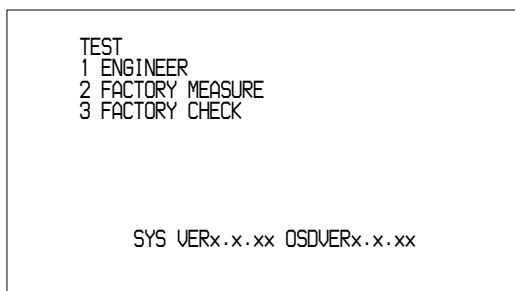
SECTION 4 TEST MODE

Note: To perform the Test Mode, remote commander (RM-X701) is requisite.

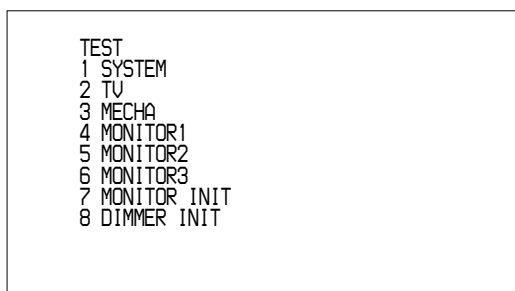
1. ENTERING THE TEST MODE

Procedure:

1. Apply the voltage of 14.4 V to the ACC and BACKUP cord.
2. While pressing the [CUSTOM] button, press the [RESET] button. (Hold the [CUSTOM] button press)
3. Release the [RESET] button and after two seconds, release the [CUSTOM] button.
4. Press the [OPEN/CLOSE] button to open the monitor and display as following figure (top menu).



5. From the top menu screen, press the [1] button on the remote commander to display as following figure (ENGINEER menu).



6. To back to the top menu screen, press the [BACK] button on the remote commander.

Note: The items of “2. FACTORY MEASURE” and “3. FACTORY CHECK” in the top menu are not used in servicing.

2. RELEASING THE TEST MODE

Procedure 1:

Press the [OFF] button on the remote commander to setting data is saved.

Procedure 2:

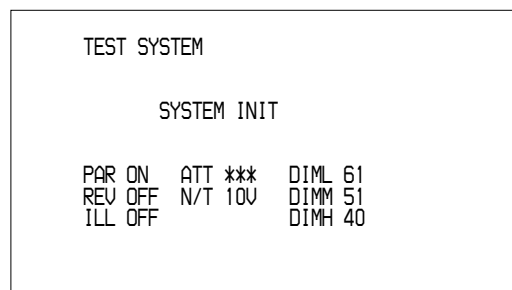
Press the [RESET] button: Setting data is not saved.

3. OPERATION OF EACH ITEMS

This mode is used in order to perform adjustment in connection with the whole set.

3-1. SYSTEM Mode

1. In the ENGINEER menu screen, press the [1] button on the remote commander to enter the SYSTEM mode and display as following figure.



2. Press the [▲] / [▼] button on the remote commander to select the item. And press the [VOL -] / [VOL +] button to change the value.
3. If initialize all values, select the “SYSTEM INIT” and press the [ENTER] button on the remote commander.
4. To save the data and release the Test Mode, press the [BACK] button and press the [OFF] button on the remote commander

Item in the SYSTEM Mode:

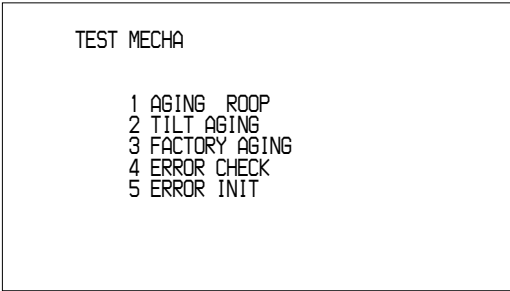
Item	Contents
SYSTEM INT	Initialize the preset data, PAL system and security code
PAR	PARKING terminal setting ON : Parking position OFF : Release the parking position
REV	REVERSE terminal setting ON : Reverse position OFF : Release the reverse position
ILL	ILLUMINATION terminal setting ON : Illumination on OFF : Illumination off
ATT	Not used
N/P	Judgment value setting of NTSC/PAL
DIML	DIMMER LOW level setting (000 to 255) Initial value: 61 (no change)
DIMM	DIMMER MID level setting (000 to 255) Initial value: 51 (no change)
DIMH	DIMMER HIGH level setting (000 to 255) Initial value: 40 (no change)

3-2. TV Mode

Not used in servicing.

3-3. MECHA Mode

- In the ENGINEER menu screen, press the [3] button on the remote commander to enter the MECHA mode and display as following figure (MECHA mode menu).

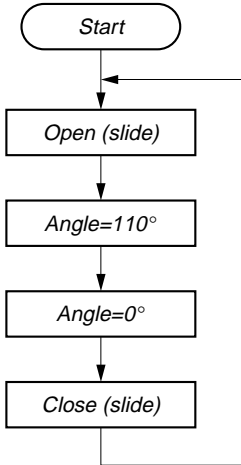


- To select the item in MECHA mode menu, press the corresponding number button to menu item number.

3-3-1. AGING ROOP mode

In the MECHA mode menu screen, press the [1] button on the remote commander to start the AGING ROOP mode.

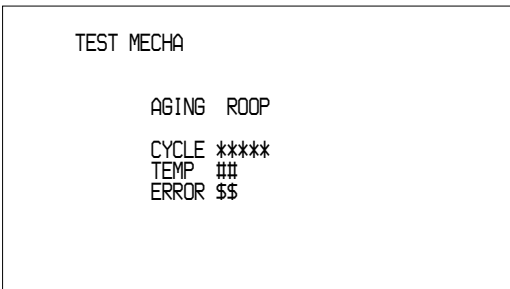
Aging flow:



Operation:

- [BACK] button : Stop aging. Back to the menu screen, when this button is pressed during the aging stop.
- [ENTER] button : Restart aging.

Display:

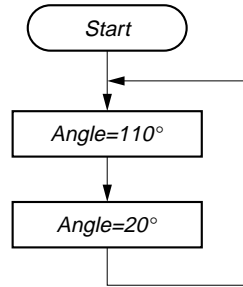


- CYCLE : Aging number (00000 to 99999)
- TEMP : Temperature of motor section (00h to FFh)
- ERROR : Error code. It is displayed when error occurred. (Refer to the "3-3-4. ERROR CHECK" for error code)

3-3-2. TILT AGING mode

In the MECHA mode menu screen, press the [2] button on the remote commander to start the TILT AGING mode.

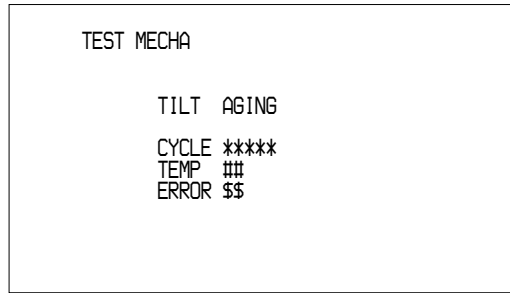
Aging flow:



Operation:

- [BACK] button : Stop aging. Back to the menu screen, when this button is pressed during the aging stop.
- [ENTER] button : Restart aging.

Display:



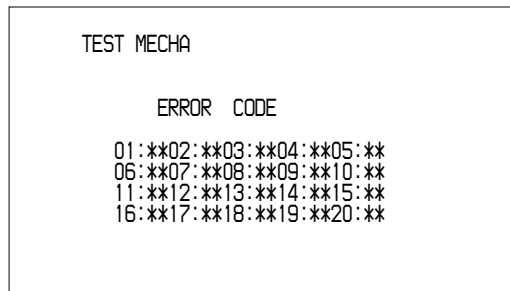
- CYCLE : Aging number (00000 to 99999)
- TEMP : Temperature of motor section (00h to FFh)
- ERROR : Error code. It is displayed when error occurred. (Refer to the "3-3-3. ERROR CHECK" for error code)

3-3-3. FACTORY AGING mode

Not used in servicing.

3-3-4. ERROR CODE display

In the MECHA mode menu screen, press the [4] button on the remote commander to display ERROR CODE as following figure.



In this mode, It displays error cord or temperature until 20 counts when error occurred. (No.1 is latest error) These error history are not erased, if press the [RESET] button.

Operation:

[**DSLP**] button : Switch the displays to “ERROR CORD” and “ERROR TEMP” (temperature when error occurred (hexadecimal number)).

[**BACK**] button : Back to the menu screen.

Error cord:

Error code	Detail of error
00	No error occur
01	Slide open error
02	Angle open error
03	Angle close error
04	Slide close error
05	Slide adjustment error
06	Angle adjustment error
07	Tilt operation error
08	Temperature error (05h (-40°C) or less, FBh (+140°C) and over)
09	Time over of open/close operation (over 30 seconds)

3-3-5. ERROR INIT mode

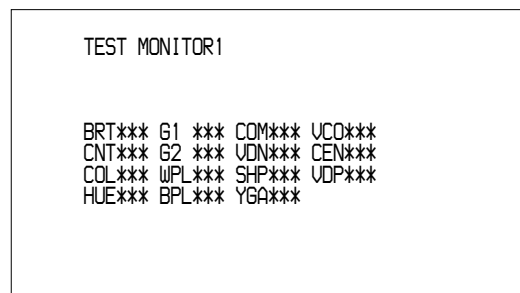
This mode is used to initialize the error history. In the MECHA mode menu screen, press the [**5**] button on the remote commander to start initialize the error history.

3-4. MONITOR1 Mode

Note 1: This mode is used to adjustment of the IC401 on MONITOR board. (refer to “Section 4 ELECTRICAL ADJUSTMENTS” for details of adjustments)

Note 2: No change input color system (NTSC/PAL) if press the [**BACK**] or [**OFF**] button on the remote commander to data save and releasing this mode. If color system is changed or no signal inputed, fault data is written.

In the ENGINEER menu screen, press the [**4**] button on the remote commander to enter the MONITOR1 mode and display as following figure.



When enter this mode, it set the signal format system to NTSC mode and selects the “VIDEO2” mode automatically. All operations in this mode are performed using remote control. The operation of each button in this mode are as following table.

Button	Function
▲ / ▼	Select the item
VOL -/+	Change the adjustment value of selected item
DISPLAY	On/off switching of the OSD
BACK	Save the adjusted data, and back to the ENGINEER menu screen

Factory default value of each items:

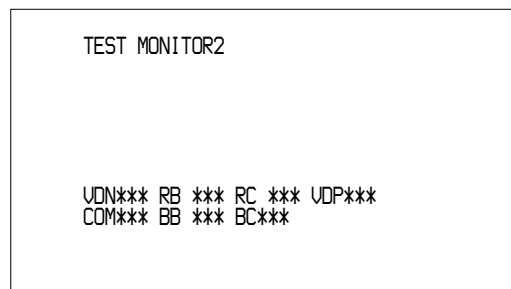
Display	Setting Item	Value
BRT	Bright	90
CNT	Contrast	154
COL	Color gain	133
HUE	Hue	125
G1	Gamma 1	117
G2	Gamma 2	80
WPL	White peak limiter	125
BPL	Black limiter	65
COM	V COM AMP	71
VDN	V COM DC (for NTSC)	83
SHP	Sharpness	88
YGA	Y gain	122
VCO	VCO free run	128
CEN	H. CENT	16
VDP	V COM DC (for PAL)	103

3-5. MONITOR2 Mode

Note 1: This mode is used to adjustment of the IC401 on MONITOR board. (refer to “Section 4 ELECTRICAL ADJUSTMENTS” for details of adjustments)

Note 2: No change input color system (NTSC/PAL) if press the [**BACK**] or [**OFF**] button on the remote commander to data save and releasing this mode. If color system is changed or no signal inputed, fault data is written.

In the ENGINEER menu screen, press the [**5**] button on the remote commander to enter the MONITOR2 mode and display as following figure.



When enter this mode, it set the signal format system to NTSC mode and selects the “VIDEO2” mode automatically. All operations in this mode are performed using remote control. The operation of each button in this mode are as following table.

Button	Function
▲ / ▼	Select the item
VOL -/+	Change the adjustment value of selected item
DISPLAY	On/off switching of the OSD
BACK	Save the adjusted data, and back to the ENGINEER menu screen

Factory default value of each items:

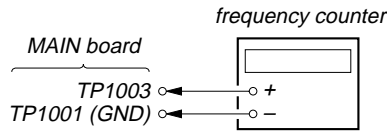
Display	Setting Item	Value
VDN	V COM DC (for NTSC)	83
COM	V COM AMP	71
RB	Sub bright red	135
BB	Sub bright blue	140
RC	Sub contrast red	100
BC	Sub contrast blue	180
VDP	V COM DC (for PAL)	103

SECTION 5 ELECTRICAL ADJUSTMENTS

MAIN SECTION

VCO CENTER FREQUENCY ADJUSTMENT

Setting:



Procedure:

1. Connect the TP1002 to ground and enter the VCO adjustments mode.
2. Connect a frequency counter to the TP1003 and TP1001 (GND) on the MAIN board.
3. Adjust the CT1001 on MAIN board so that the value of frequency counter becomes as following specified value.

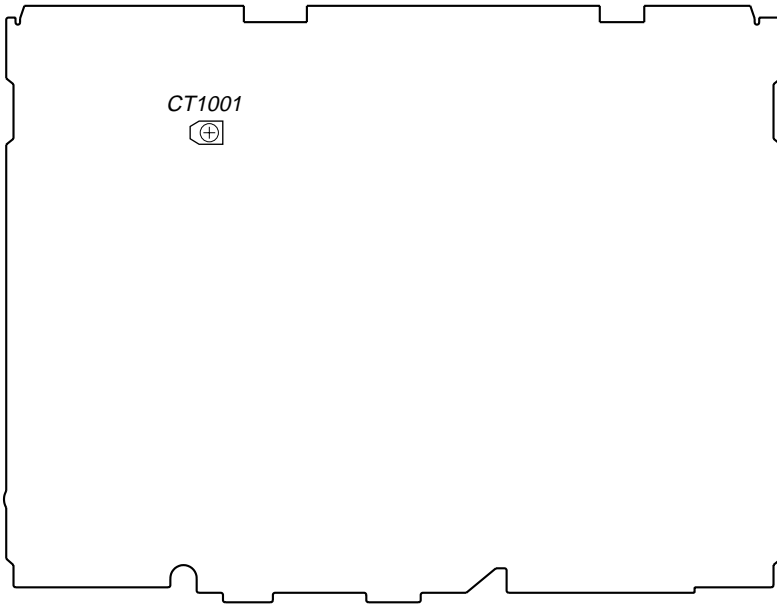
Specified value:

NTSC model : 15.734 kHz \pm 0.02 kHz

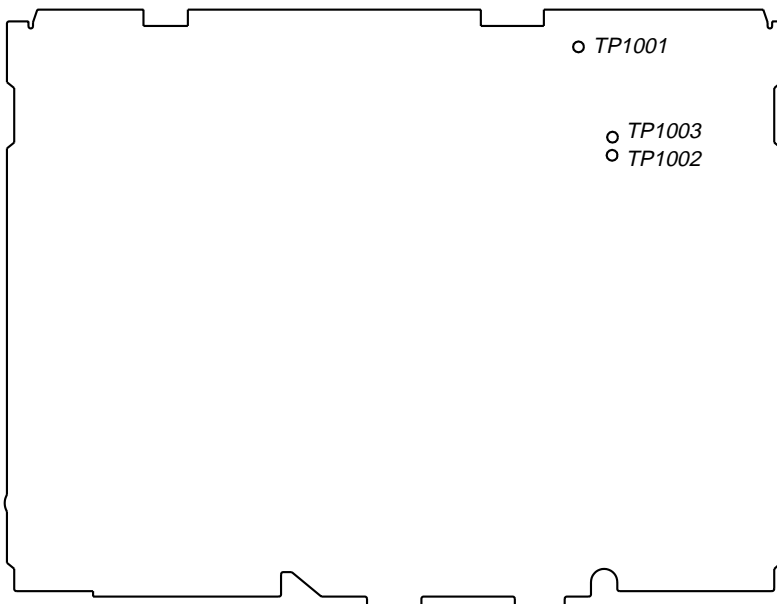
PAL model : 15.625 kHz \pm 0.02 kHz

Adjustment Location:

– MAIN Board (Component Side) –



– MAIN Board (Conductor Side) –



MONITOR SECTION

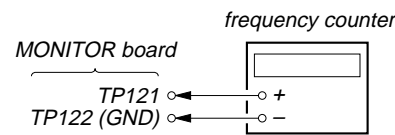
PRECAUTION

1. Set the test mode when performing adjustments of monitor section. (Refer to "Section 4 TEST MODE" for the test mode)
2. Before adjustments, confirm that the voltage of each point on the MONITOR board as following table are specified value.

Measuring point	Specified value
TP201	5.03 V ± 0.05 V
TP202	15.2 V ± 0.5 V
TP203	-14.40 V ± 0.5 V
TP204	5.50 V ± 0.05 V
TP205	7.8 V ± 0.1 V
TP929	5.40 V ± 0.05 V
TP931	5.00 V ± 0.05 V
TP822	5.03 V ± 0.05 V

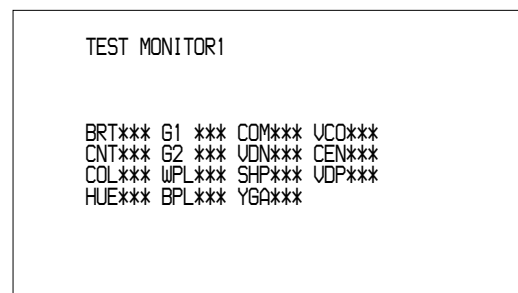
1. VCO ADJUSTMENT

Setting:



Procedure:

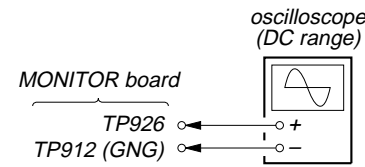
1. Input 10 steps signal (NTSC, gray scale) from VIDEO 2 input jack.
2. Connect a frequency counter to the TP121 and TP122 (GND) on the MONITOR board.
3. Enter the test mode.
4. Press the [1] button on the remote commander to display ENGINEER menu screen, and press the [4] button on the remote commander to enter the MONITOR1 mode. (refer to following figure)



5. Press the [↑] / [↓] button on the remote commander several times to select the "VCO".
6. Adjust the VCO value by pressing the [VOL-] / [VOL+] button on the remote commander so that the value of frequency counter becomes 15.734 kHz ± 0.05 kHz.
7. Press the [BACK] button to save the adjusted data.

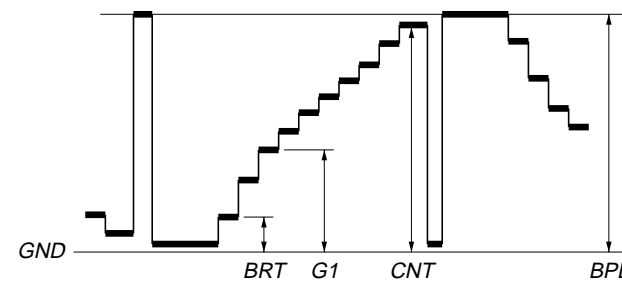
2. CONTRAST ADJUSTMENTS

Setting:



Procedure:

1. Input 10 steps signal (NTSC, gray scale) from VIDEO 2 input jack.
2. Connect an oscilloscope to the TP926 and TP912 (GND) on the MONITOR board.
3. Enter the MONITOR1 mode in the test mode.
4. Confirm that the waveform of oscilloscope is as following figure.



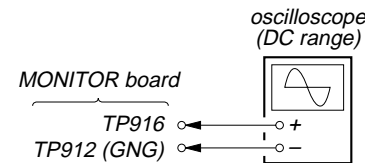
Specified value:

- BPL : 5.00 V ± 0.03 V
- G1 : 2.13 V ± 0.03 V
- BRT : 0.68 V ± 0.03 V
- CNT : 4.83 V ± 0.03 V

5. Press the [↑] / [↓] button on the remote commander to select each item, and adjust the each item values by pressing the [VOL-] / [VOL+] button on the remote commander so that the waveform of the oscilloscope becomes as above specified values.
6. Repeat about each item until all specified value becomes specified value.
7. Press the [BACK] button to save the adjusted data.

3. V-COM ADJUSTMENT

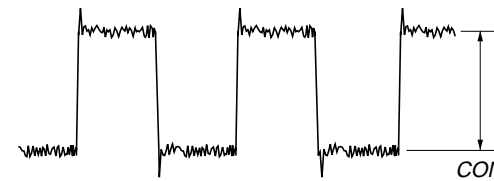
Setting:



Procedure:

1. Input 10 steps signal (NTSC, gray scale) from VIDEO 2 input jack.
2. Connect an oscilloscope to the TP916 and TP912 (GND) on the MONITOR board.
3. Enter the MONITOR1 mode in the test mode.

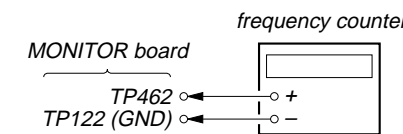
4. Confirm that the waveform of oscilloscope is as following figure.



5. Press the [↑] / [↓] button on the remote commander several times to select the "COM".
6. Adjust the "COM" value by pressing the [VOL-] / [VOL+] button on the remote commander so that the value of frequency counter becomes 5.56 V ± 0.05 V.
7. Press the [BACK] button to save the COM level on the waveform adjusted data.

4. SUB CARRIER CONFIRMATION

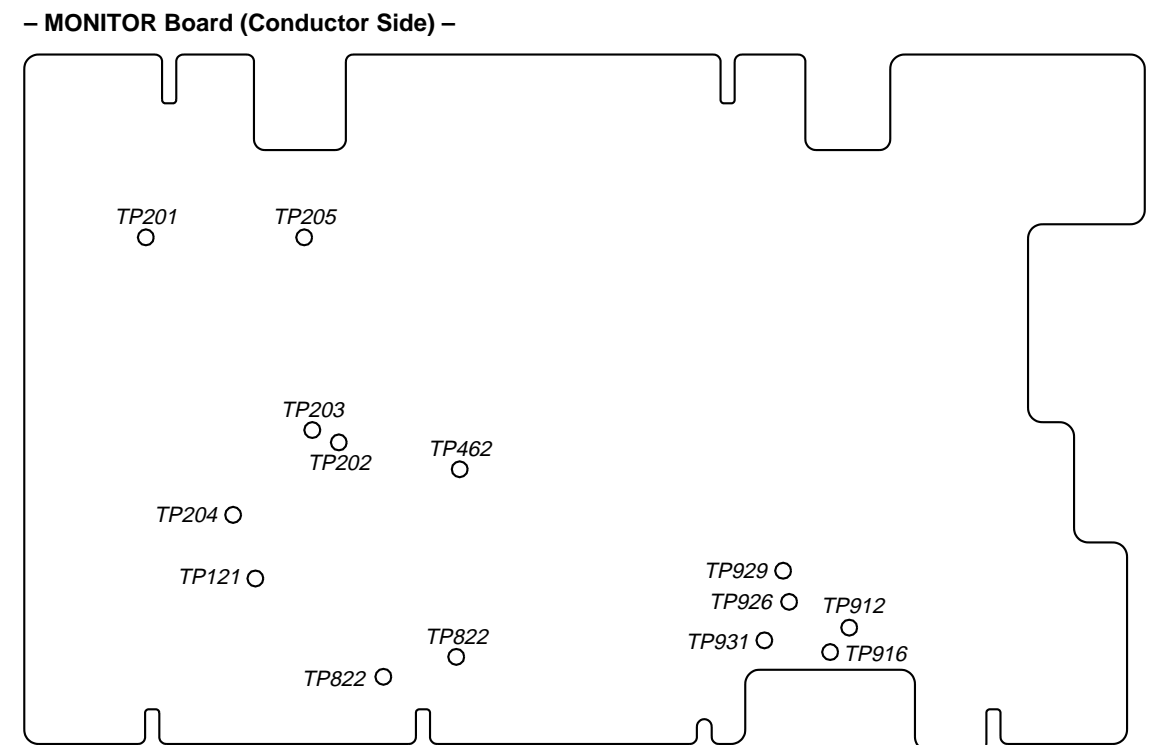
Setting:



Procedure:

1. Input NTSC color bar signal from VIDEO 2 input jack.
2. Connect a frequency counter to the TP462 and TP122 (GND) on the MONITOR board.
3. Confirm that the value of frequency counter is 3.579545 MHz ± 100 Hz.
4. Change the input signal to PAL color bar.
5. Confirm that the value of frequency counter is 4.433619 MHz ± 100 Hz.

Connecting Location:



5. NTSC FLICKER ADJUSTMENT

Procedure:

1. Input color bar signal (NTSC, all white, 40%) from the VIDEO 2 input jack.
2. Enter the MONITOR2 mode in the test mode.
3. Press the [↑] / [↓] button on the remote commander several times to select the "VDN".
4. Adjust the "VDN" value by pressing the [VOL-] / [VOL+] button on the remote commander so that the flicker becomes optimally.
5. Press the [BACK] button to save the adjusted data.

6. PAL FLICKER ADJUSTMENT

Procedure:

1. Input color bar signal (PAL, all white, 40%) from the VIDEO 2 input jack.
2. Enter the MONITOR2 mode in the test mode.
3. Press the [↑] / [↓] button on the remote commander several times to select the "VDP".
4. Adjust the "VDP" value by pressing the [VOL-] / [VOL+] button on the remote commander so that the flicker becomes optimally.
5. Change the input signal to NTSC color bar.
6. Press the [BACK] button to save the adjusted data.

SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM – VIDEO, AUDIO Section –

• R-ch is omitted due to same as L-ch.

• SIGNAL PATH

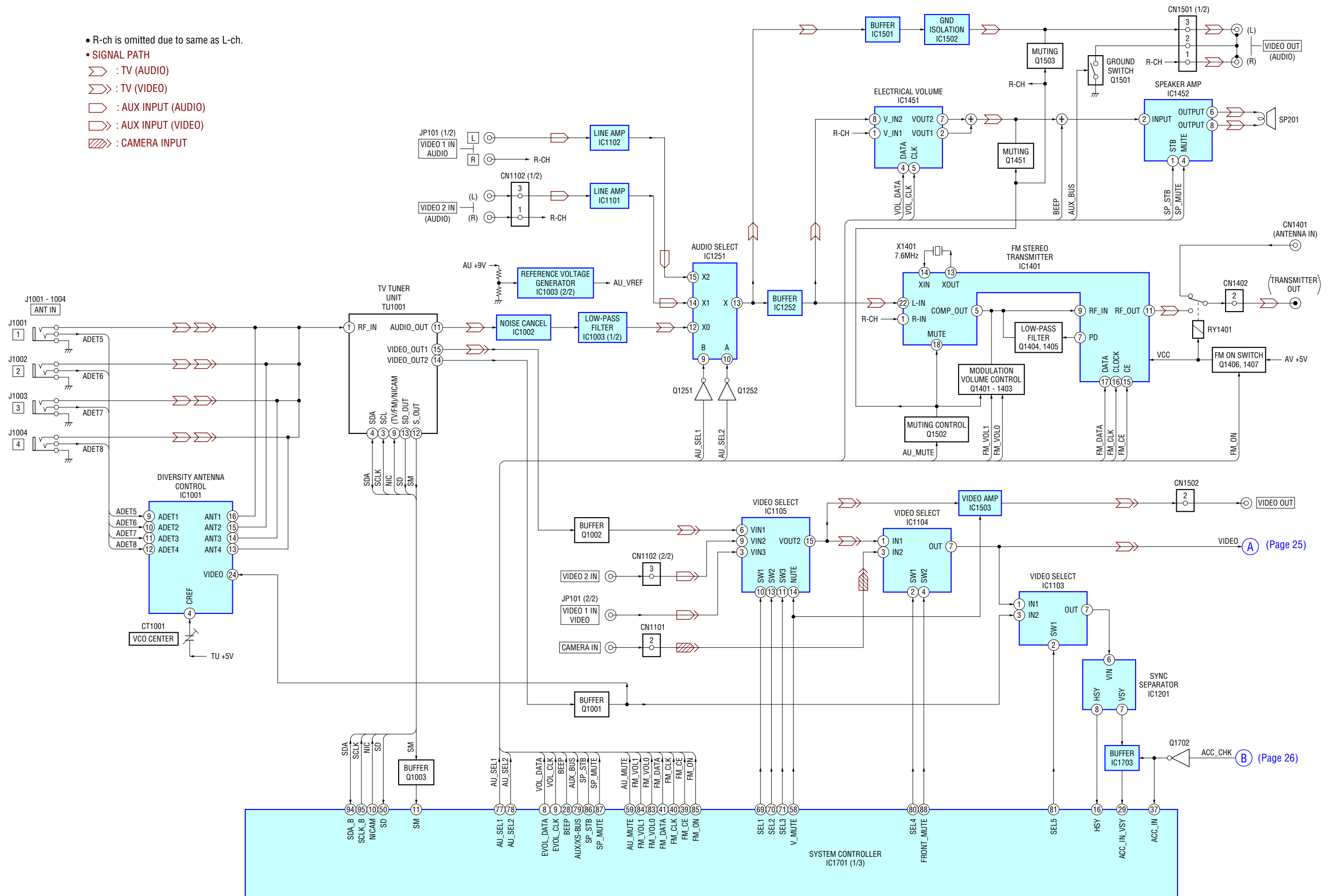
➤ : TV (AUDIO)

➤➤ : TV (VIDEO)

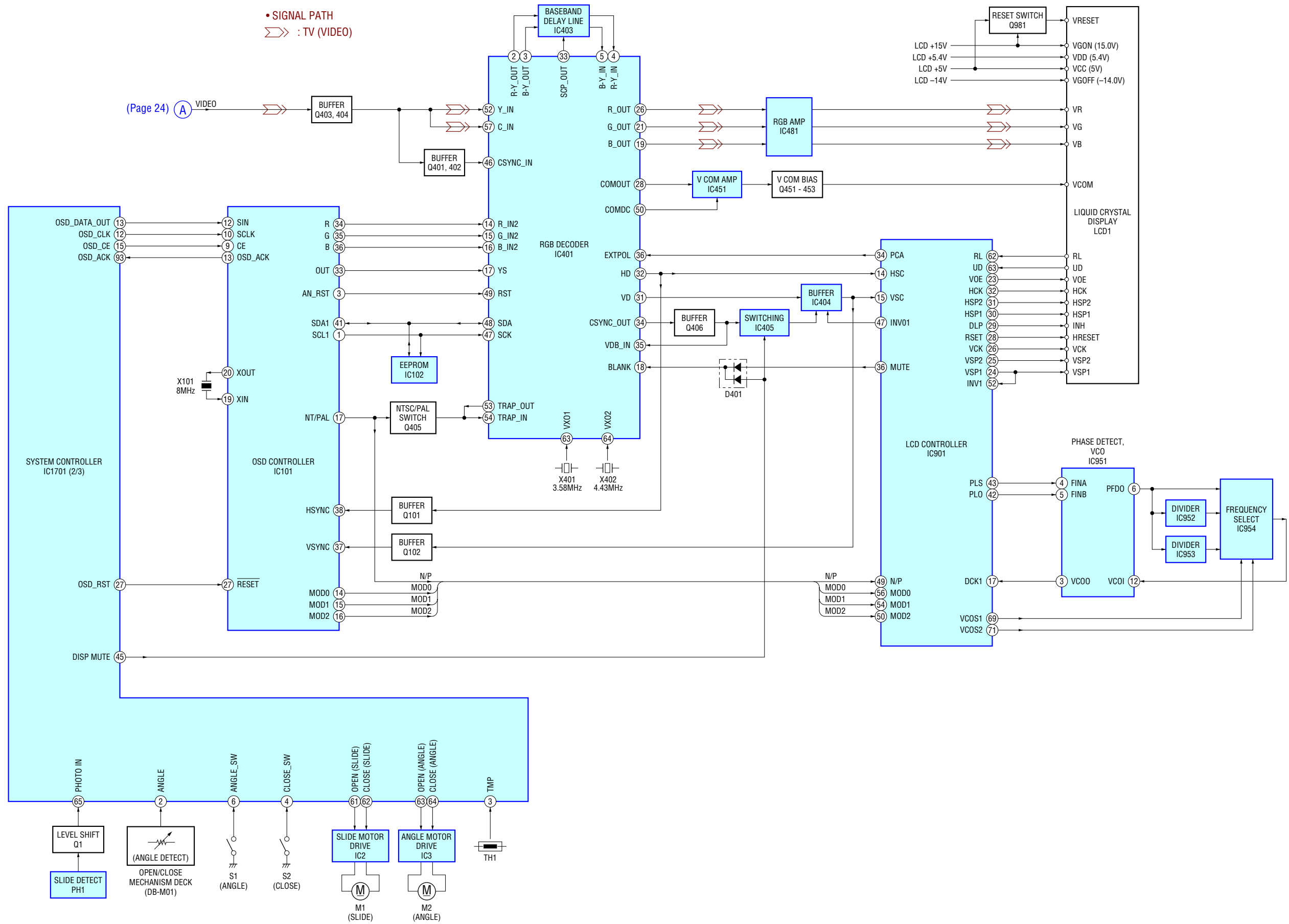
➤ : AUX INPUT (AUDIO)

➤➤ : AUX INPUT (VIDEO)

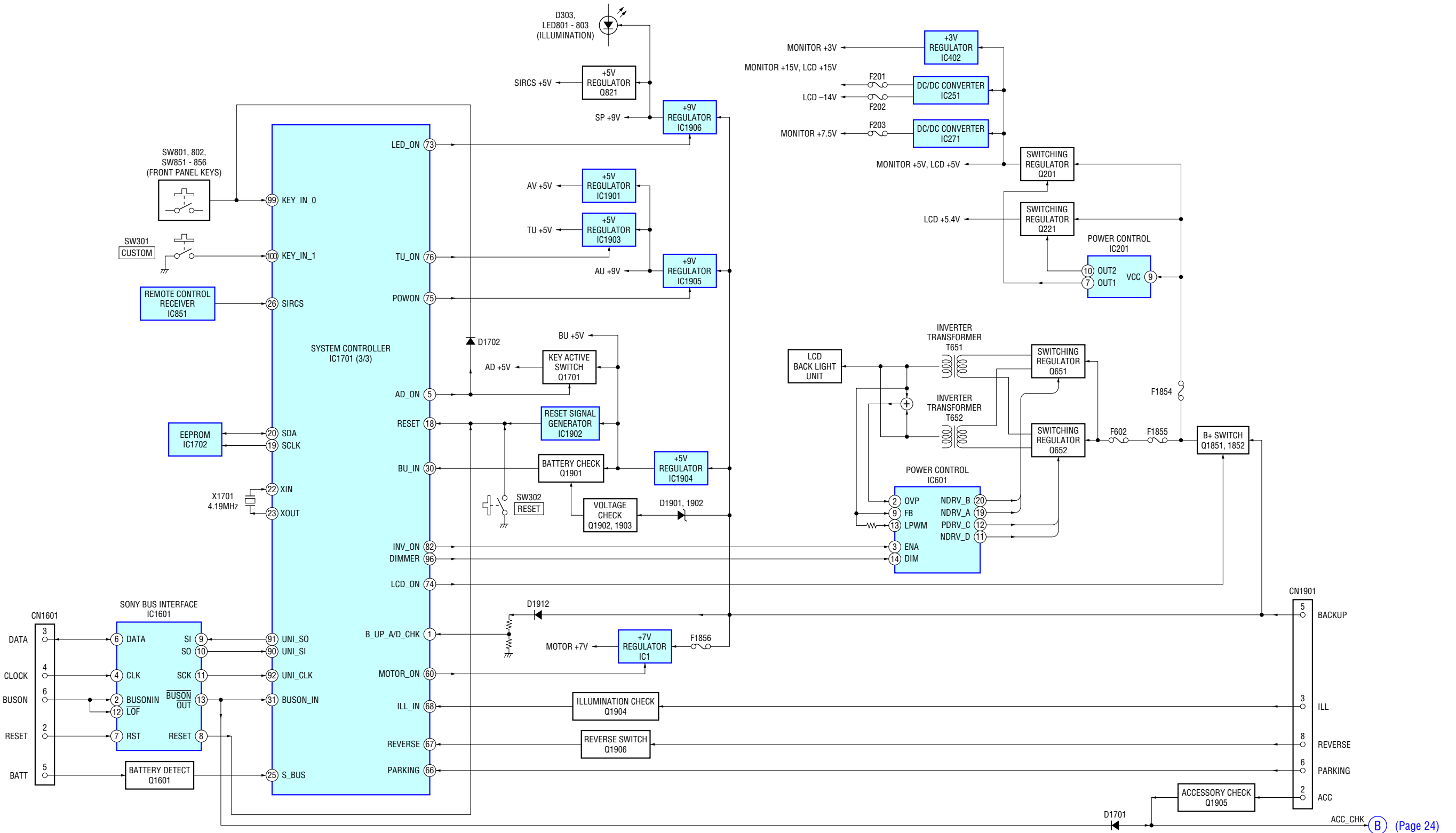
➤➤➤ : CAMERA INPUT



6-2. BLOCK DIAGRAM – LCD, MOTOR Section –



6-3. BLOCK DIAGRAM – CONTROL, POWER SUPPLY Section –



• Note for Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

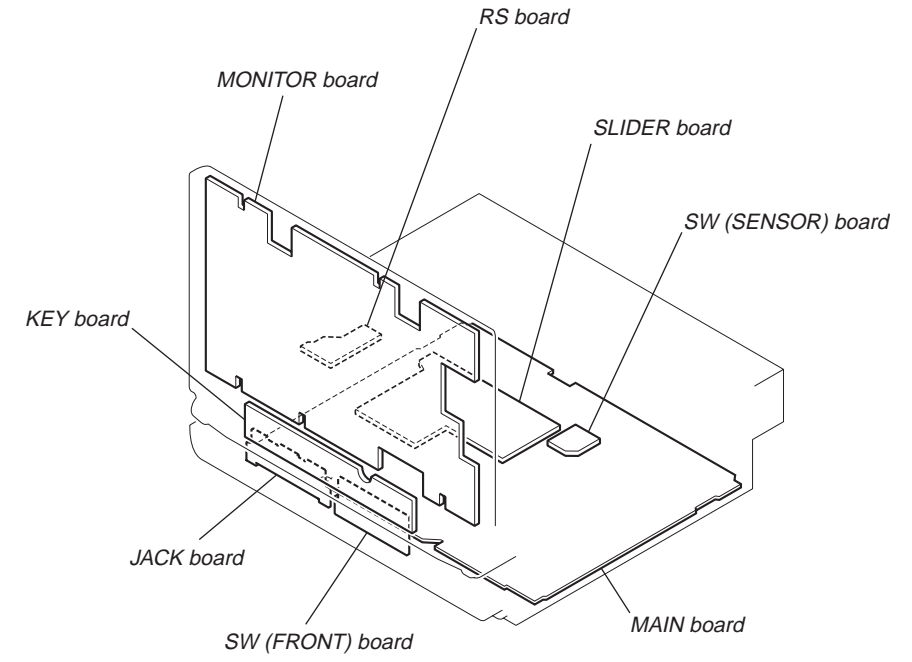
- ○ : parts extracted from the component side.
- — : parts extracted from the conductor side.
- △ : internal component.
- ■ : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:
 Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.
 (Side B)
 Parts face side: Parts on the parts face side seen from the parts face are indicated.
 (Side A)

Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- △ : internal component.
- □ : panel designation.
- — : B+ Line.
- - - - : B- Line.
- □ : adjustment for repair.
- Power voltage is dc 14.4V and fed with regulated dc power supply from BACKUP and ACC cords.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. (PAL color bar input)
 no mark : VIDEO1
 () : TV
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- ∑ : TV (AUDIO)
- ∑ : TV (VIDEO)
- □ : AUX INPUT (AUDIO)
- □ : AUX INPUT (VIDEO)
- □ : CAMERA INPUT

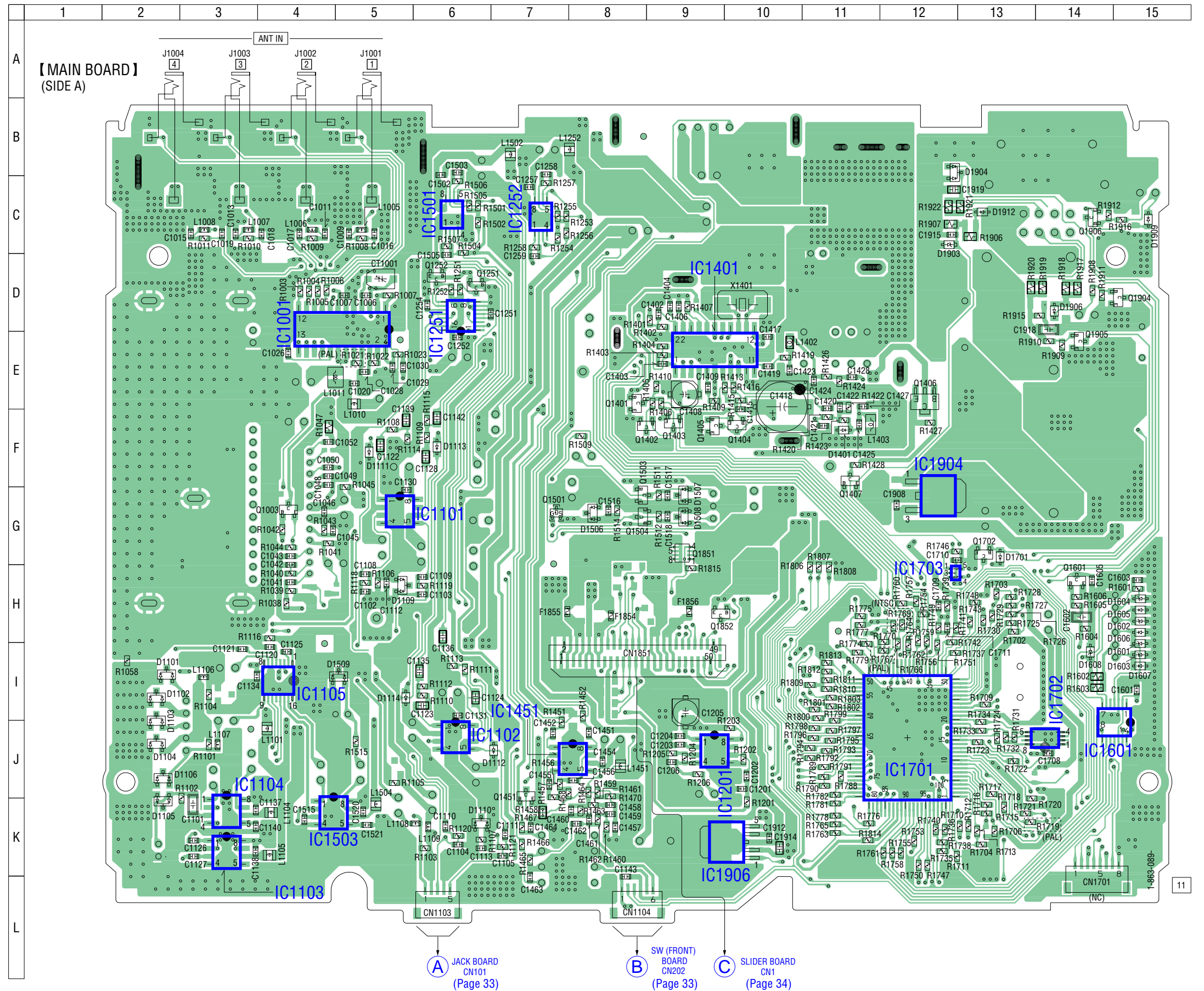
• Circuit Boards Location



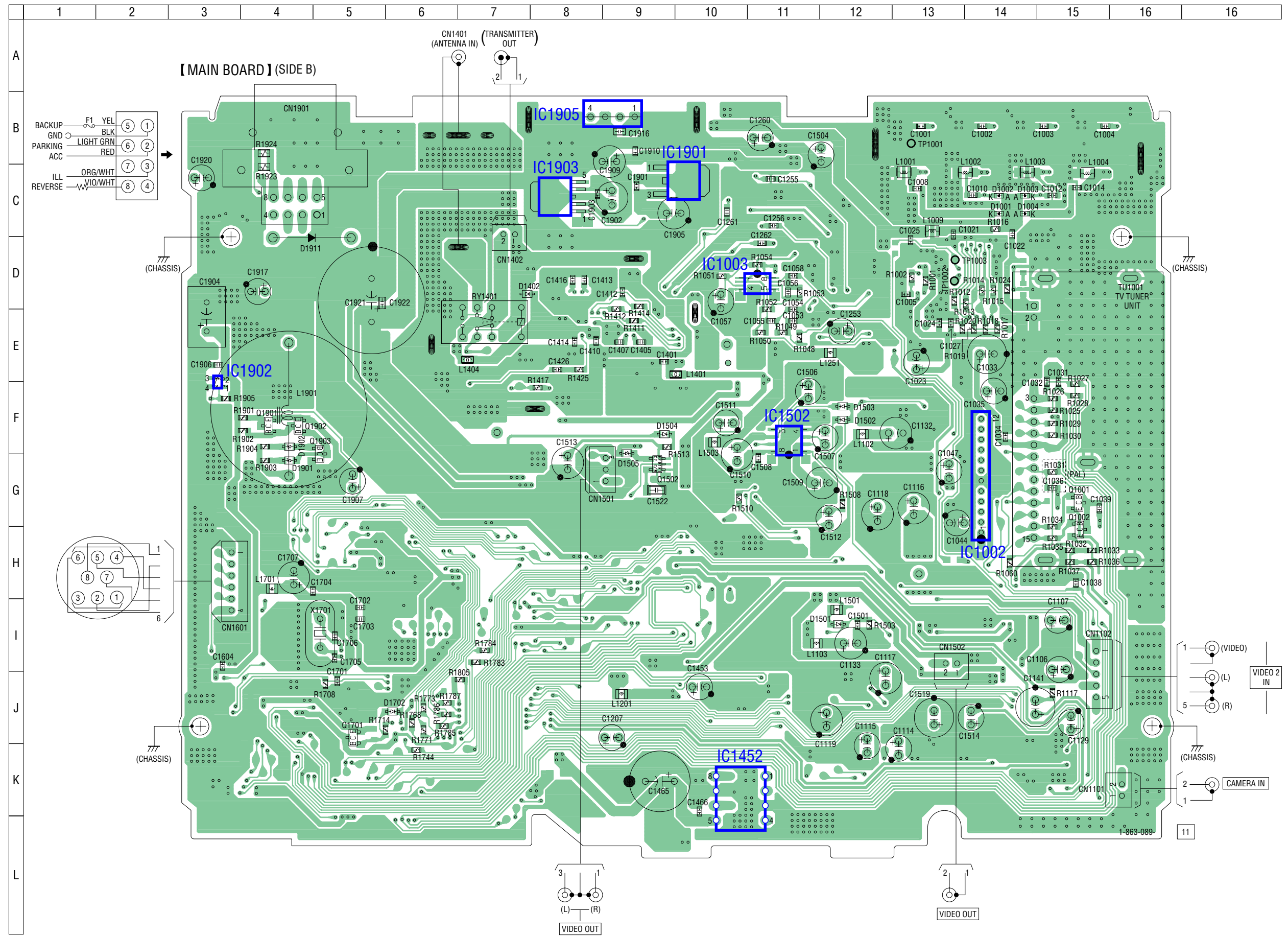
6-4. PRINTED WIRING BOARD – MAIN Section (1/2) – • See page 27 for Circuit Boards Location. **LF** : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D1101	I-2
D1102	I-2
D1103	J-2
D1104	J-2
D1105	K-2
D1106	J-2
D1109	H-5
D1110	K-6
D1111	F-5
D1112	J-7
D1113	F-6
D1114	I-5
D1401	F-11
D1506	G-8
D1507	G-9
D1508	G-9
D1509	I-5
D1601	I-15
D1602	H-15
D1603	I-15
D1604	H-15
D1605	H-15
D1606	H-15
D1607	I-15
D1608	I-14
D1701	G-13
D1903	C-12
D1904	B-12
D1906	D-14
D1909	C-15
D1912	C-13
IC1001	D-5
IC1101	G-5
IC1102	J-6
IC1103	K-3
IC1104	K-3
IC1105	I-4
IC1201	J-9
IC1251	D-6
IC1252	C-7
IC1401	E-9
IC1451	J-8
IC1501	C-6
IC1503	K-4
IC1601	J-15
IC1701	J-12
IC1702	J-14
IC1703	H-12
IC1904	G-12
IC1906	K-10
Q1003	G-4
Q1251	D-6
Q1252	D-6
Q1401	E-8
Q1402	F-8
Q1403	F-9
Q1404	F-10
Q1405	F-9
Q1406	E-12
Q1407	F-11
Q1451	J-7
Q1501	G-7
Q1503	G-8
Q1504	G-8
Q1601	H-14
Q1702	G-13
Q1851	G-9
Q1852	H-9
Q1904	D-15
Q1905	E-14
Q1906	C-14



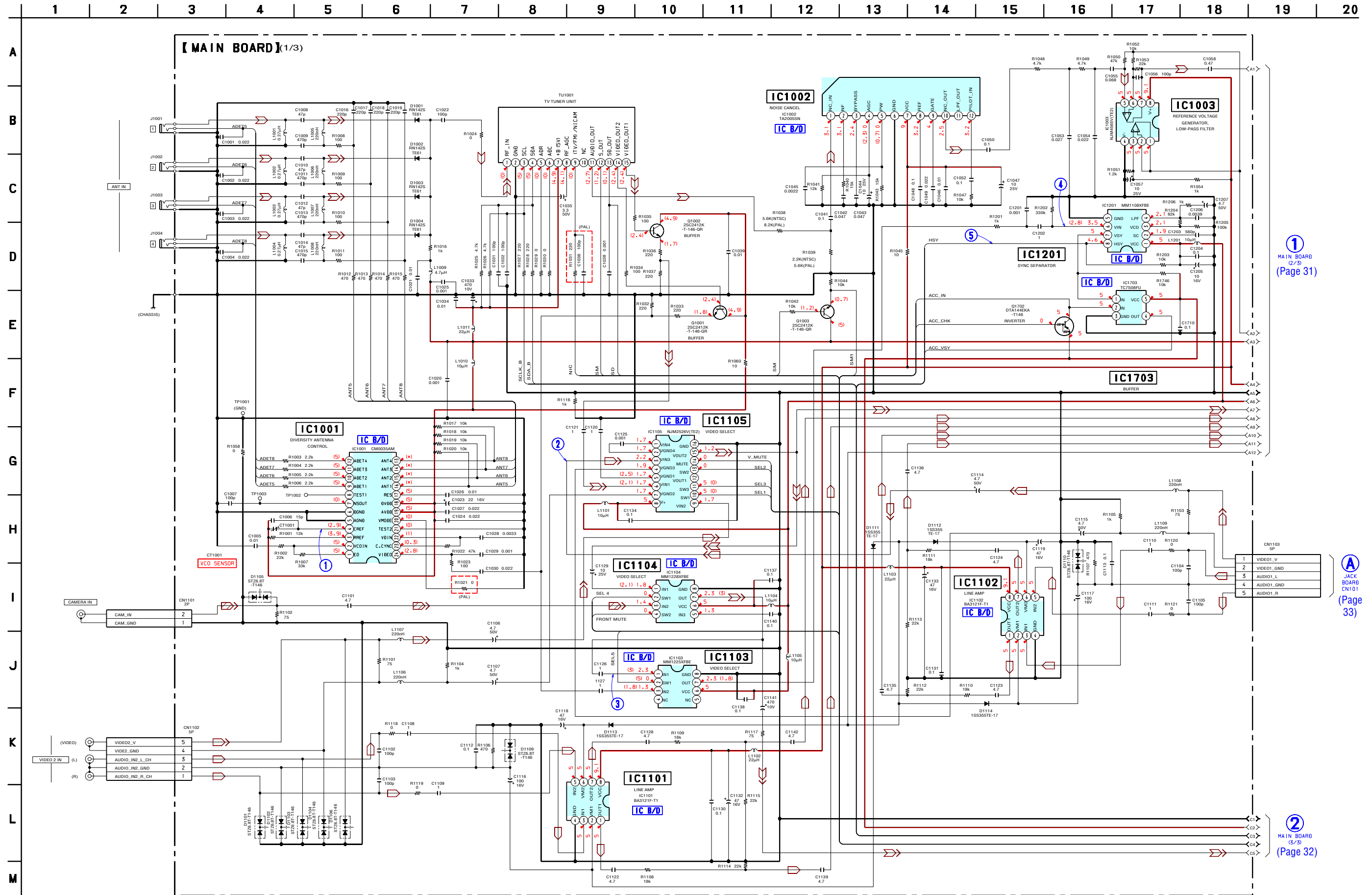
6-5. PRINTED WIRING BOARD – MAIN Section (2/2) – • See page 27 for Circuit Boards Location.  : Uses unleaded solder.



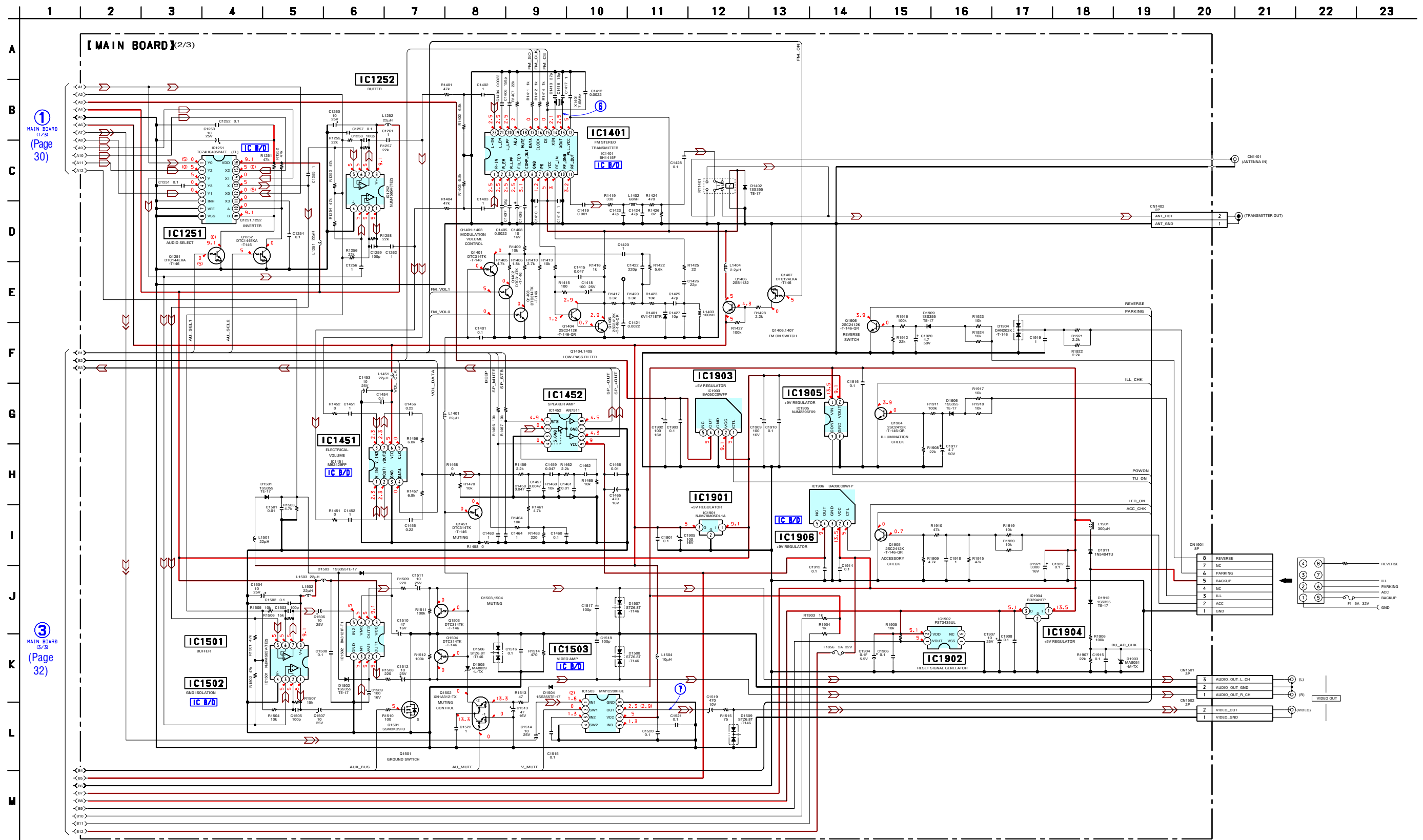
• Semiconductor Location

Ref. No.	Location
D1001	C-14
D1002	C-14
D1003	C-14
D1004	C-14
D1402	D-7
D1501	I-12
D1502	F-12
D1503	F-12
D1504	F-9
D1505	F-9
D1702	J-6
D1901	G-4
D1902	F-4
D1911	D-4
IC1002	G-14
IC1003	D-11
IC1452	K-10
IC1502	F-11
IC1901	C-10
IC1902	F-3
IC1903	C-8
IC1905	B-9
Q1001	G-15
Q1002	H-15
Q1502	G-9
Q1701	J-5
Q1901	F-4
Q1902	F-4
Q1903	F-5

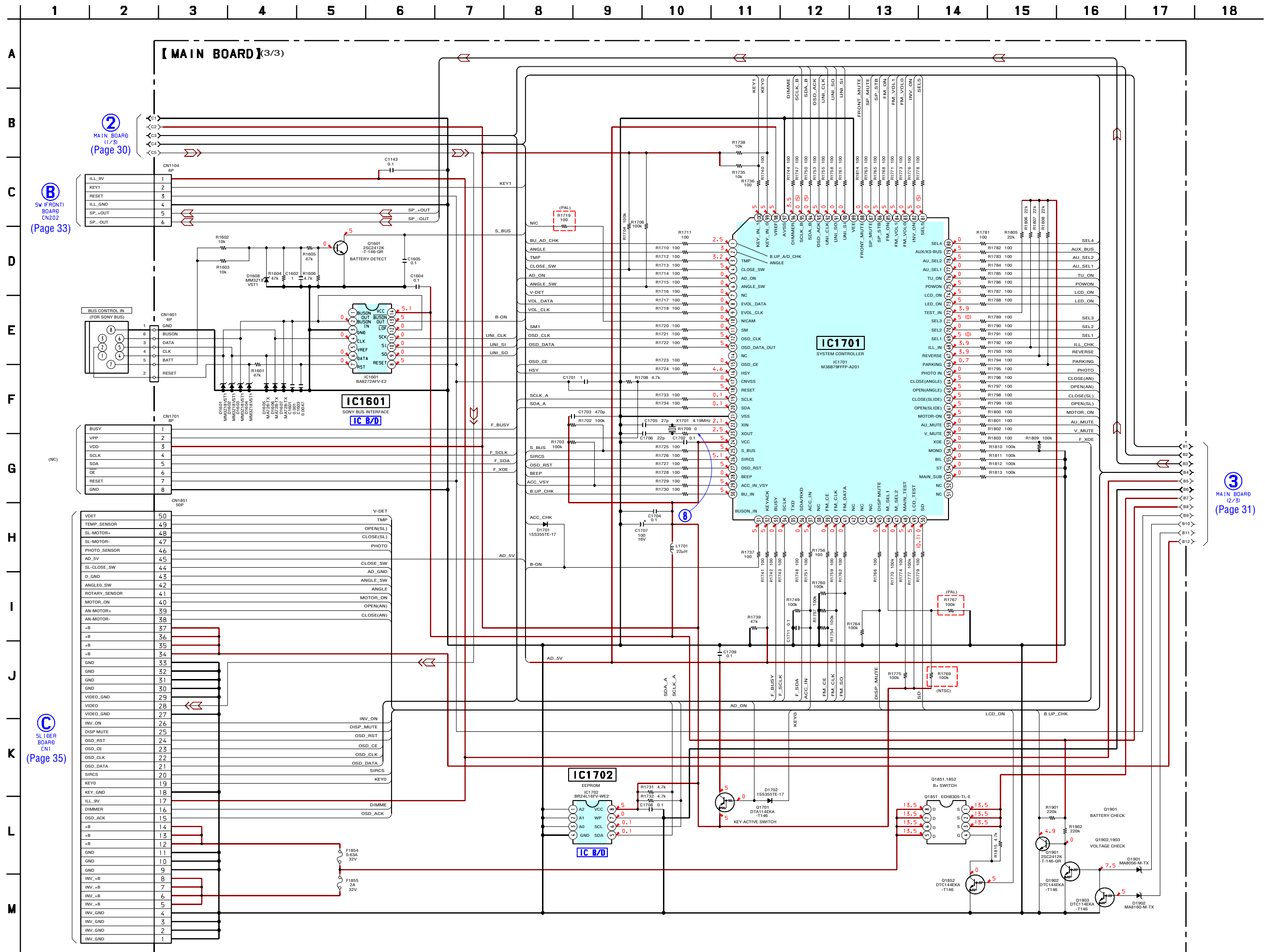
6-6. SCHEMATIC DIAGRAM – MAIN Section (1/3) – • See page 41 for Waveforms. • See page 43 for IC Block Diagrams.



6-7. SCHEMATIC DIAGRAM – MAIN Section (2/3) – • See page 41 for Waveforms. • See page 43 for IC Block Diagrams.

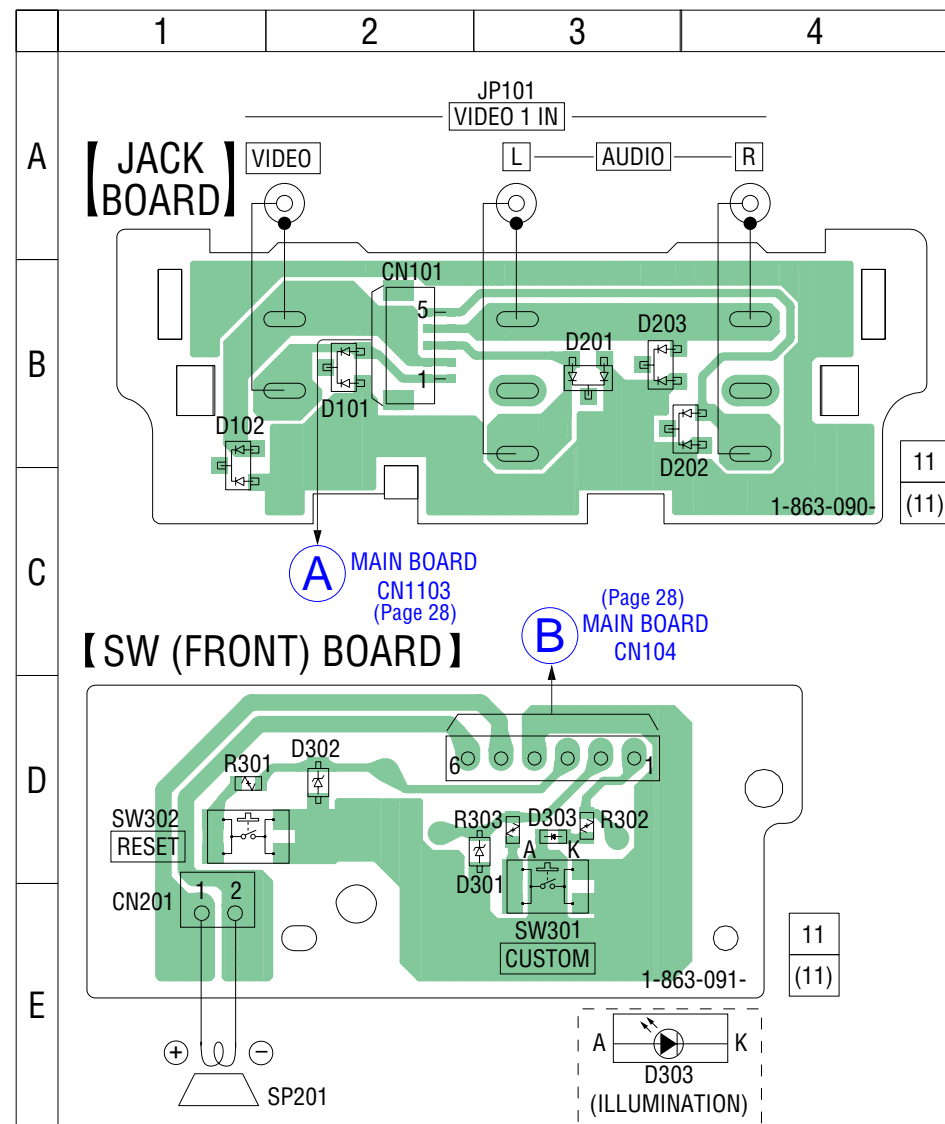


6-8. SCHEMATIC DIAGRAM – MAIN Section (3/3) – • See page 41 for Waveforms. • See page 43 for IC Block Diagrams. • See page 49 for IC Pin Function Description.



6-9. PRINTED WIRING BOARDS – FRONT PANEL Section – • See page 27 for Circuit Boards Location.

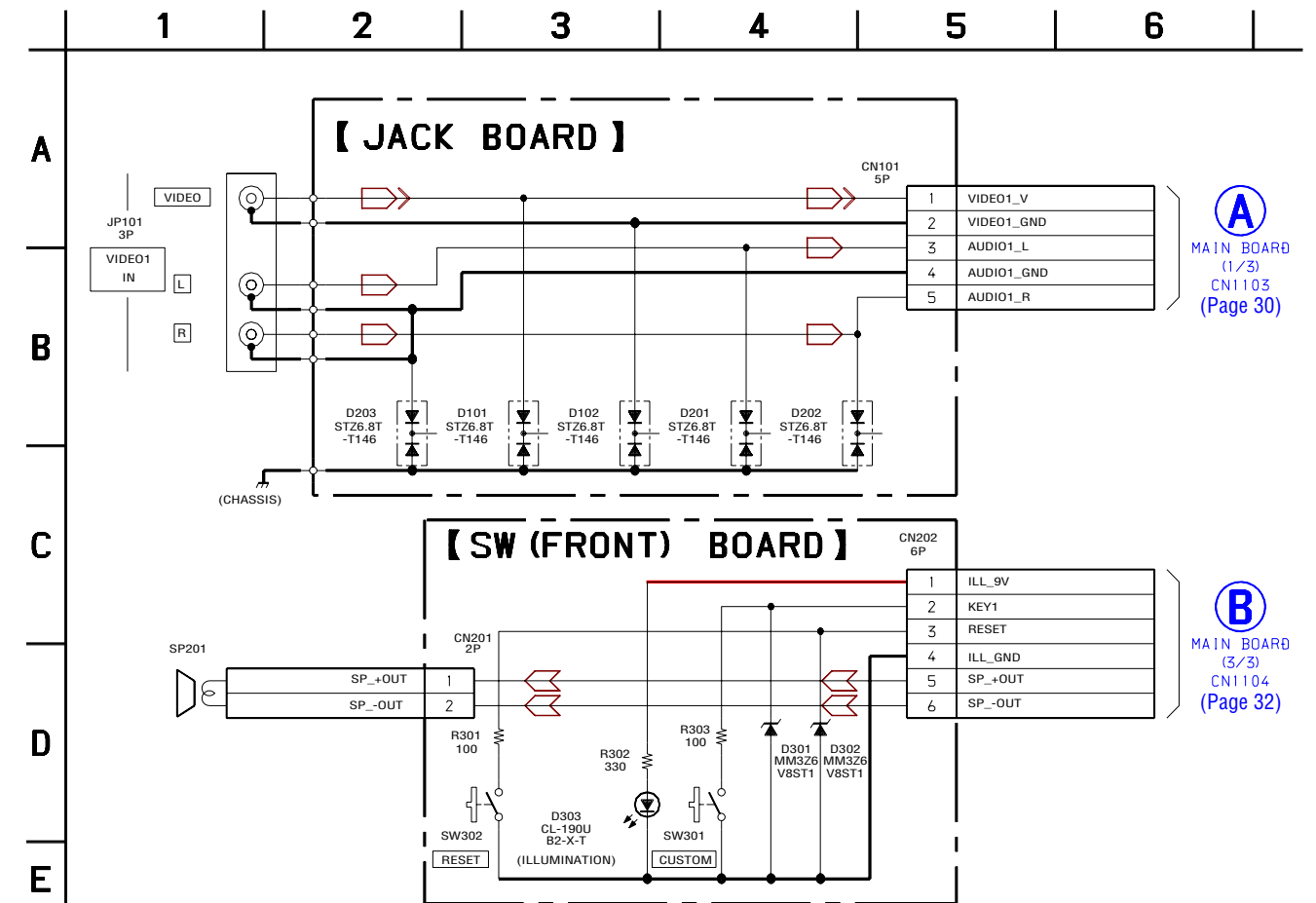
: Uses unleaded solder.



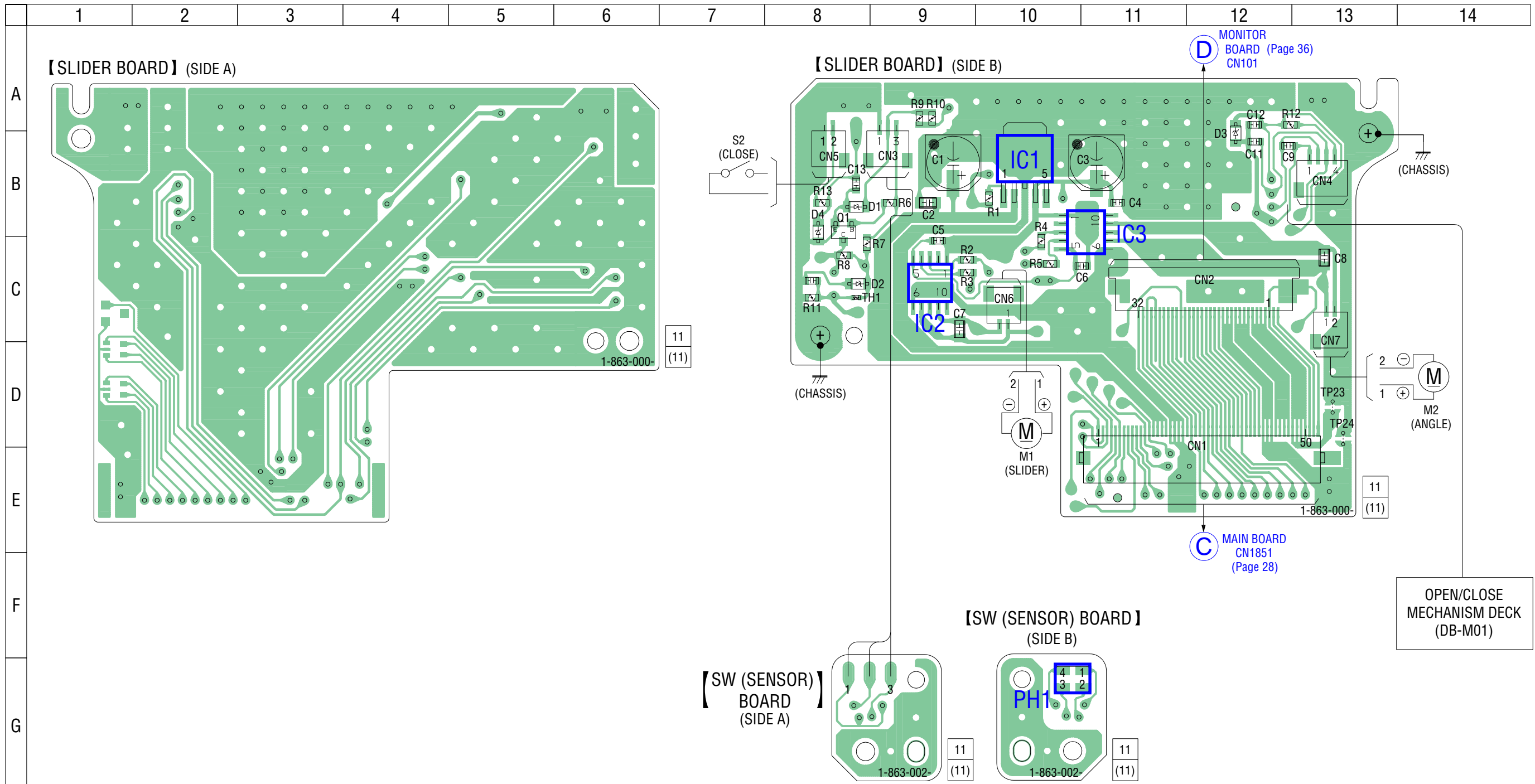
• Semiconductor Location

Ref. No.	Location
D101	B-2
D102	B-1
D201	B-3
D202	B-4
D203	B-3
D301	D-3
D302	D-2
D303	D-3

6-10. SCHEMATIC DIAGRAM – FRONT PANEL Section –



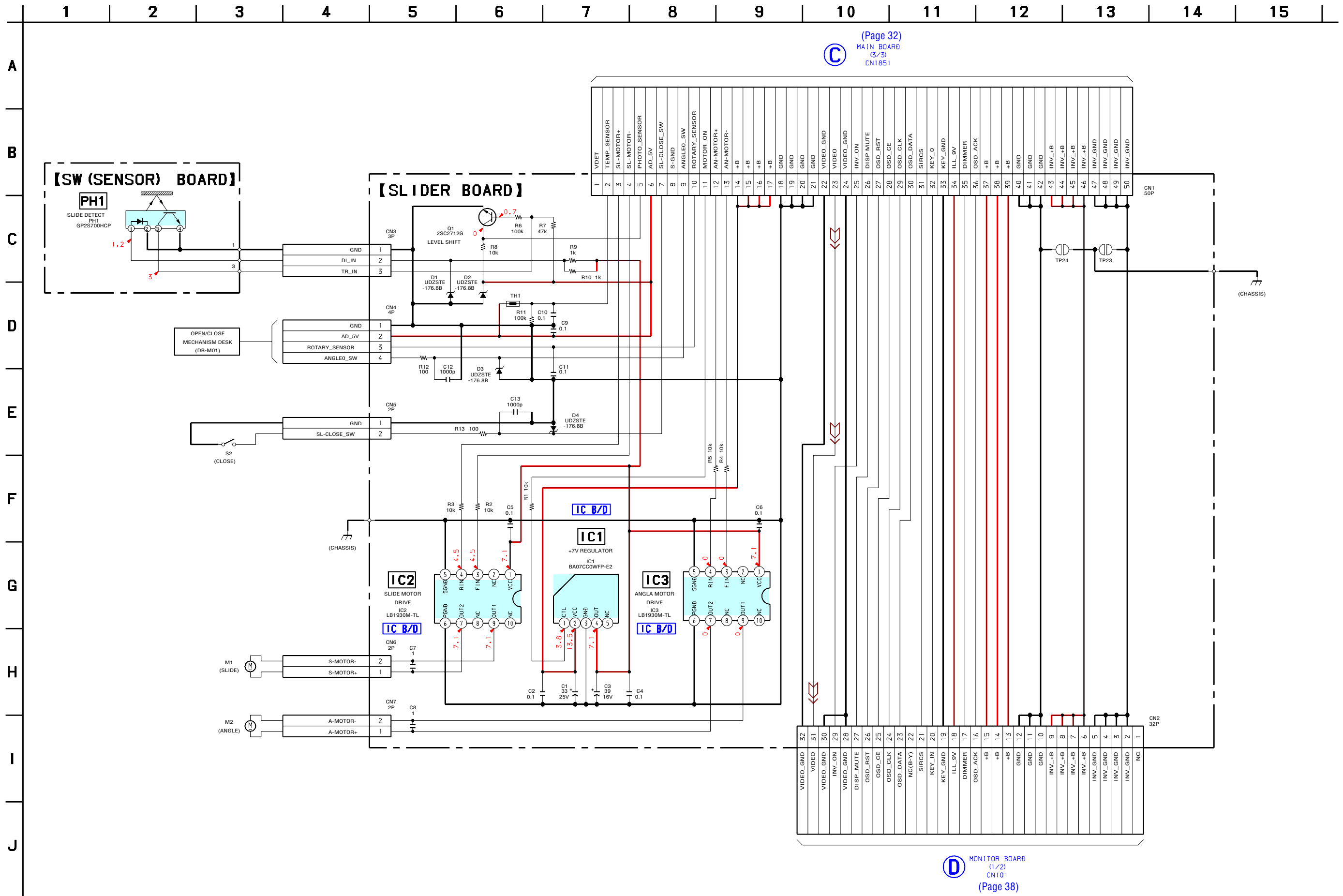
6-11. PRINTED WIRING BOARDS – SLIDER Section – • See page 27 for Circuit Boards Location.  : Uses unleaded solder.




• Semiconductor Location

Ref. No.	Location
D1	B-8
D2	C-8
D3	B-12
D4	B-8
IC1	B-10
IC2	C-9
IC3	B-11
PH1	G-10
Q1	B-8

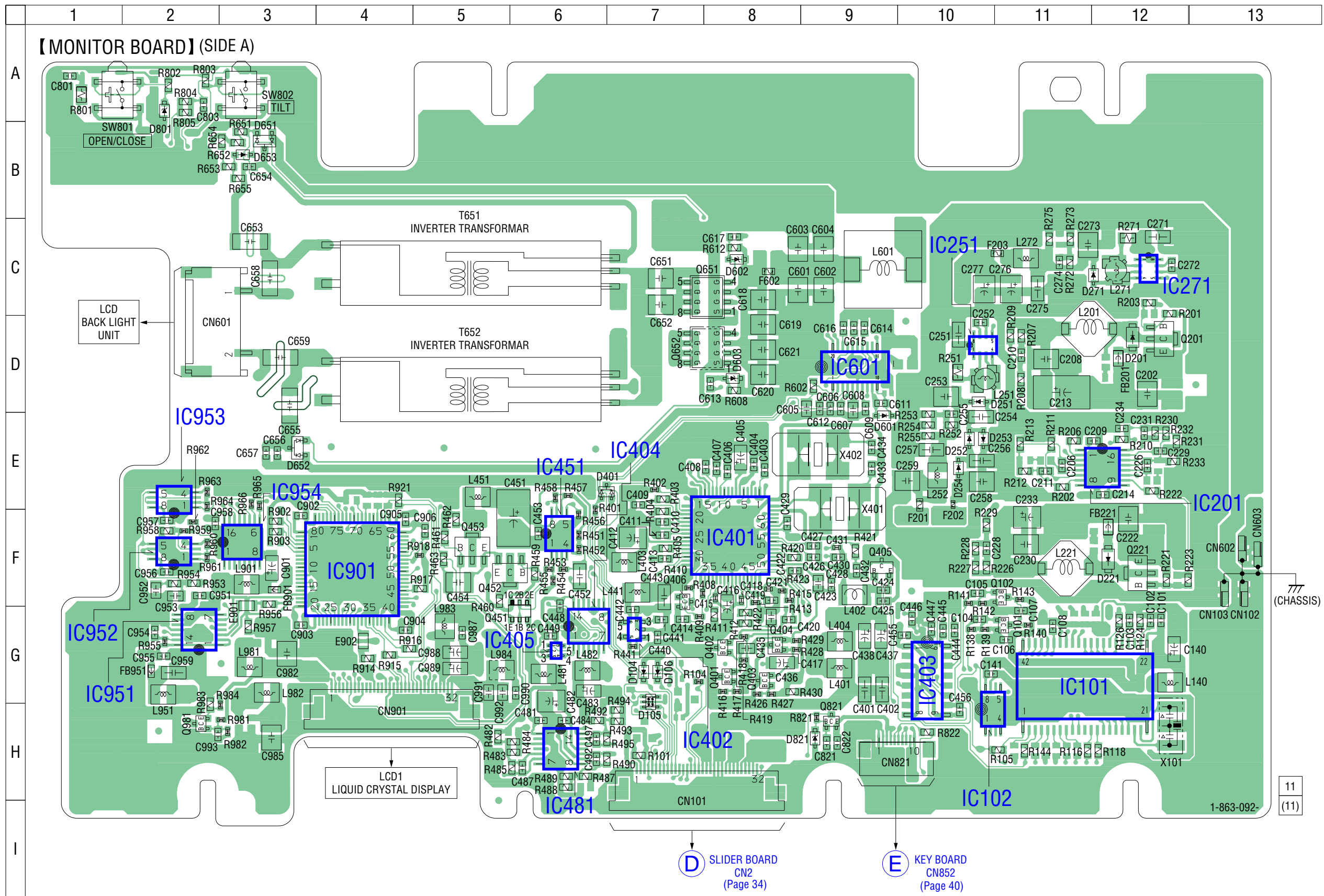
6-12. SCHEMATIC DIAGRAM – SLIDER Section – • See page 43 for IC Block Diagrams.




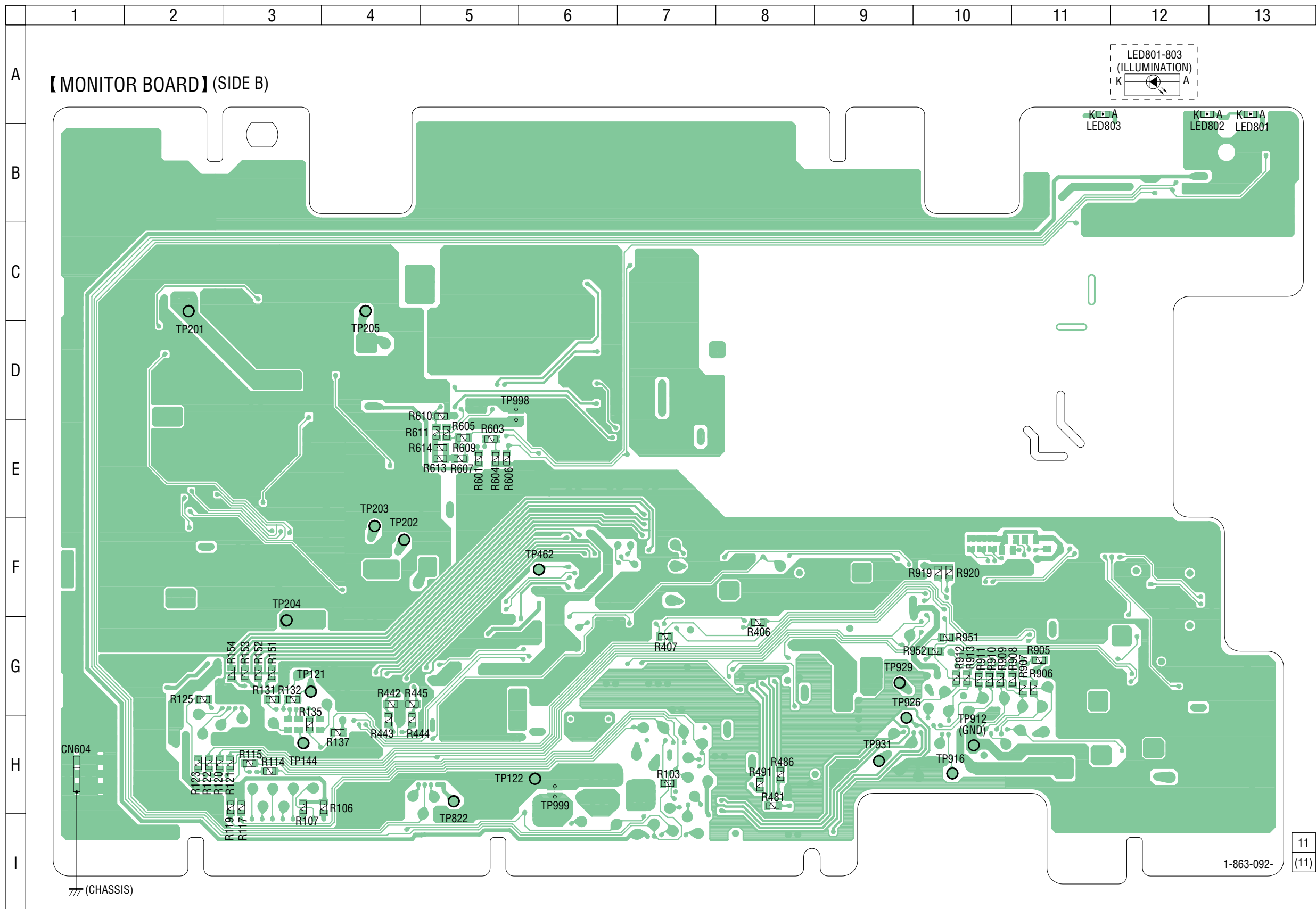
6-13. PRINTED WIRING BOARD – MONITOR Section (1/2) – • See page 27 for Circuit Boards Location.  : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D104	G-7
D105	G-7
D106	G-7
D201	D-12
D221	F-12
D251	D-10
D252	E-10
D253	E-10
D254	E-10
D271	C-12
D401	E-6
D601	E-9
D602	C-8
D603	D-8
D651	B-3
D652	E-3
D653	B-3
D801	A-2
D821	H-9
IC101	G-11
IC102	H-10
IC201	E-12
IC251	D-10
IC271	C-12
IC401	F-8
IC402	G-7
IC403	G-10
IC404	G-6
IC405	G-6
IC451	F-6
IC481	H-6
IC601	D-9
IC901	F-4
IC951	G-2
IC952	F-2
IC953	E-2
IC954	F-3
Q101	G-11
Q102	F-11
Q201	D-12
Q221	F-12
Q401	G-8
Q402	G-8
Q403	G-8
Q404	G-8
Q405	F-9
Q406	F-7
Q451	G-6
Q452	F-5
Q453	F-5
Q651	C-8
Q652	D-8
Q821	H-9
Q981	H-2



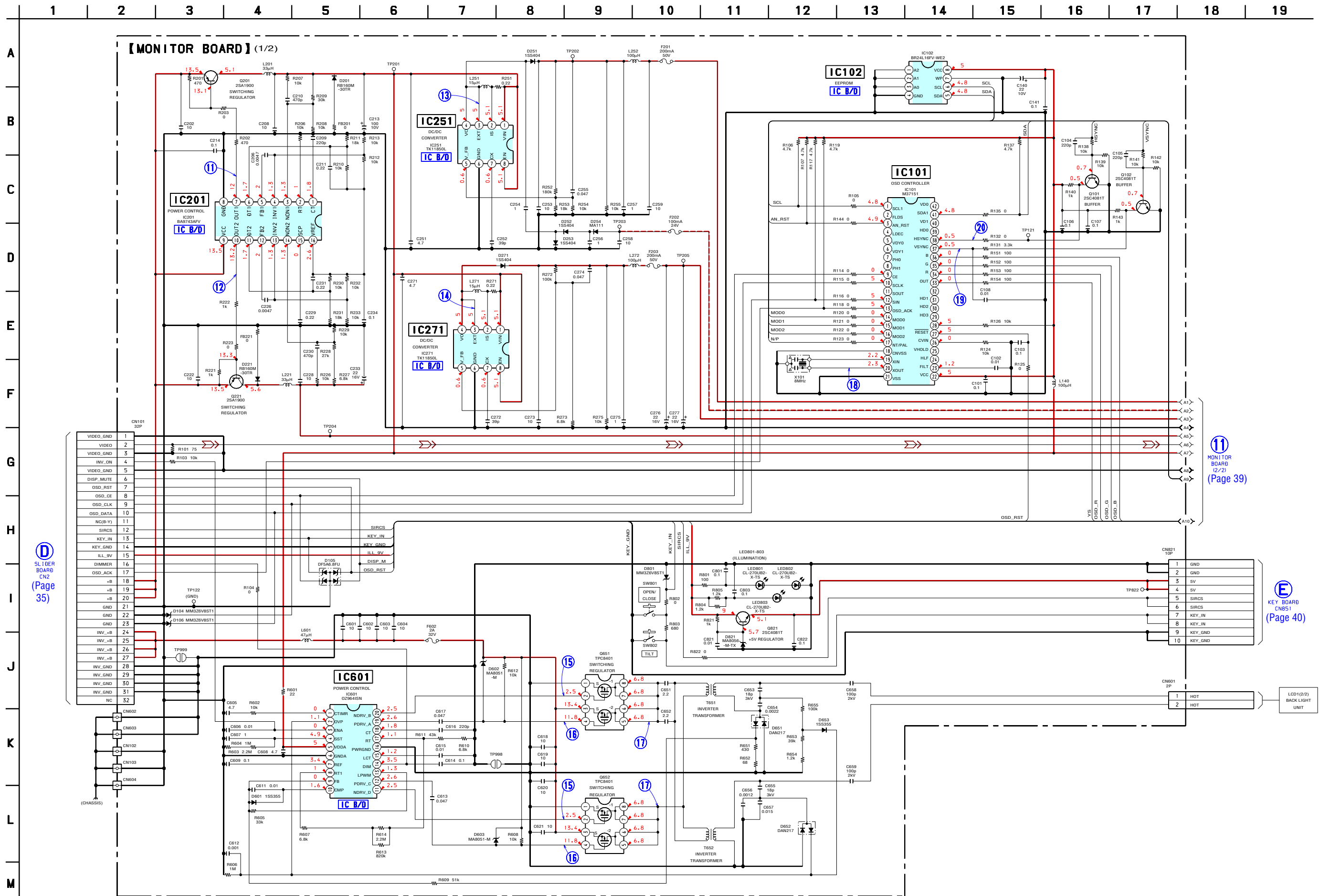
6-14. PRINTED WIRING BOARD – MONITOR Section (1/2) – • See page 27 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
LED801	A-13
LED802	A-12
LED803	A-11

6-15. SCHEMATIC DIAGRAM – MONITOR Section (1/2) – • See page 41 for Waveforms. • See page 43 for IC Block Diagrams. • See page 49 for IC Pin Function Description.

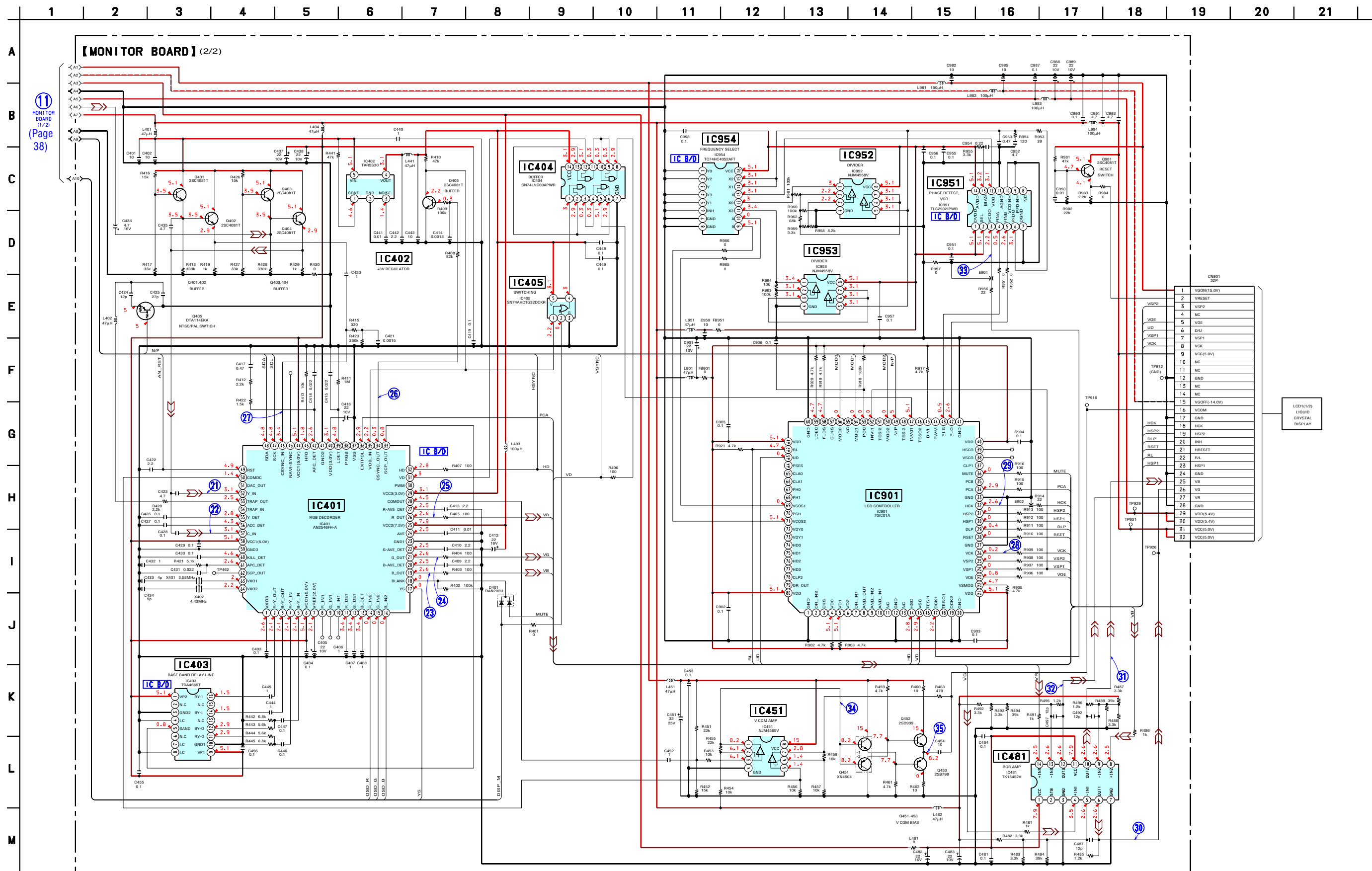


D SLIDER BOARD CN2 (Page 35)

11 MONITOR BOARD (2/2) (Page 39)

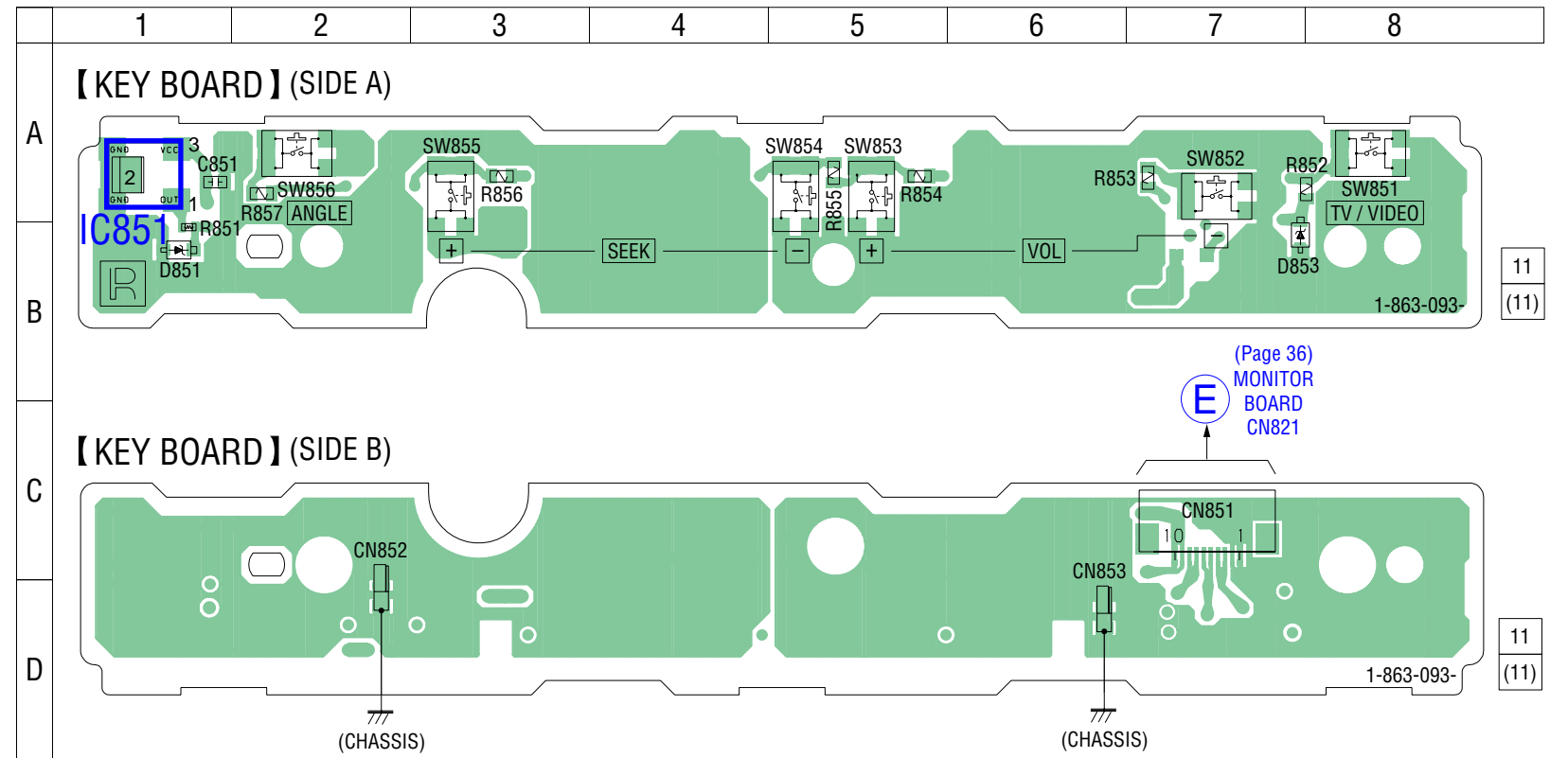
E KEY BOARD CNB51 (Page 40)

6-16. SCHEMATIC DIAGRAM – MONITOR SECTION (2/2) – • See page 41 for Waveforms. • See page 43 for IC Block Diagrams. • See page 49 for IC Pin Function Description.

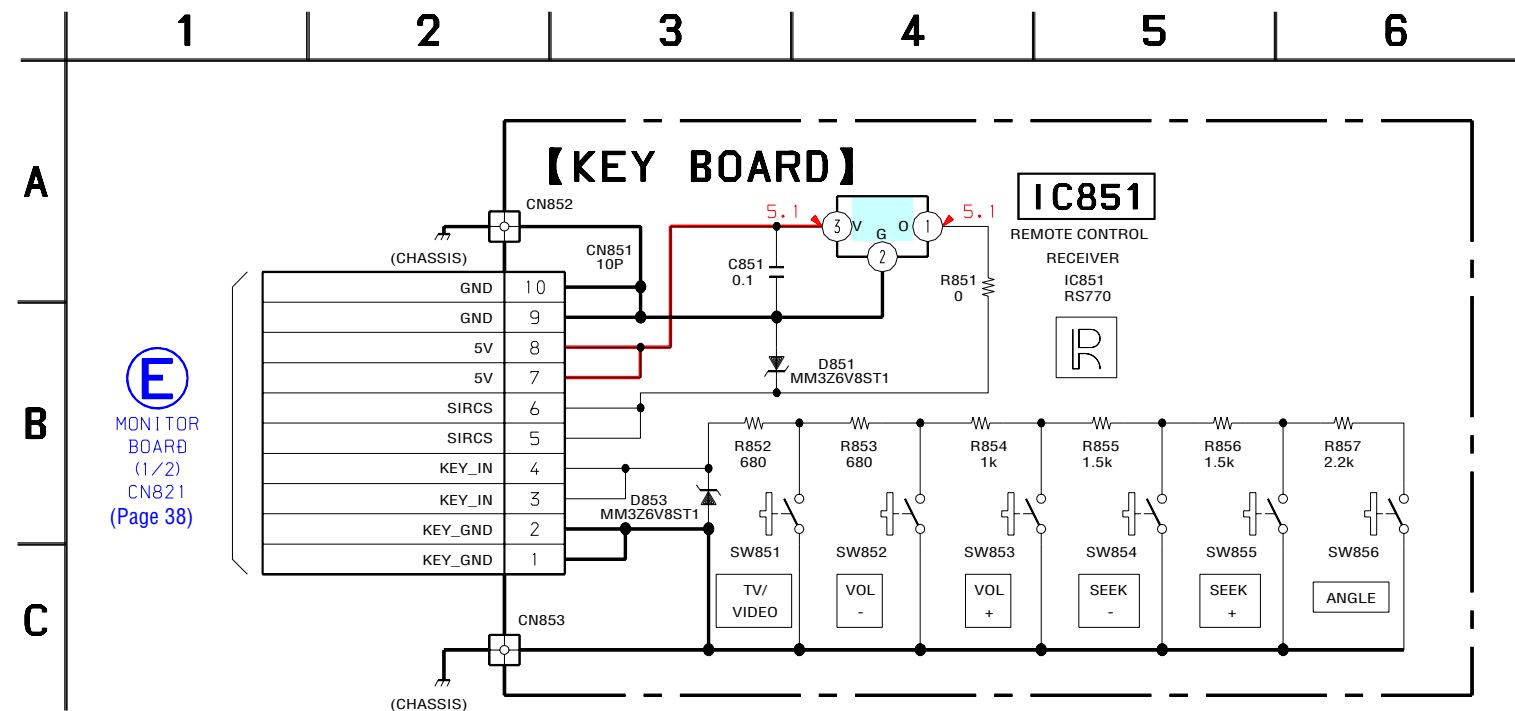


6-17. PRINTED WIRING BOARD – KEY Section – • See page 27 for Circuit Boards Location.

 : Uses unleaded solder.

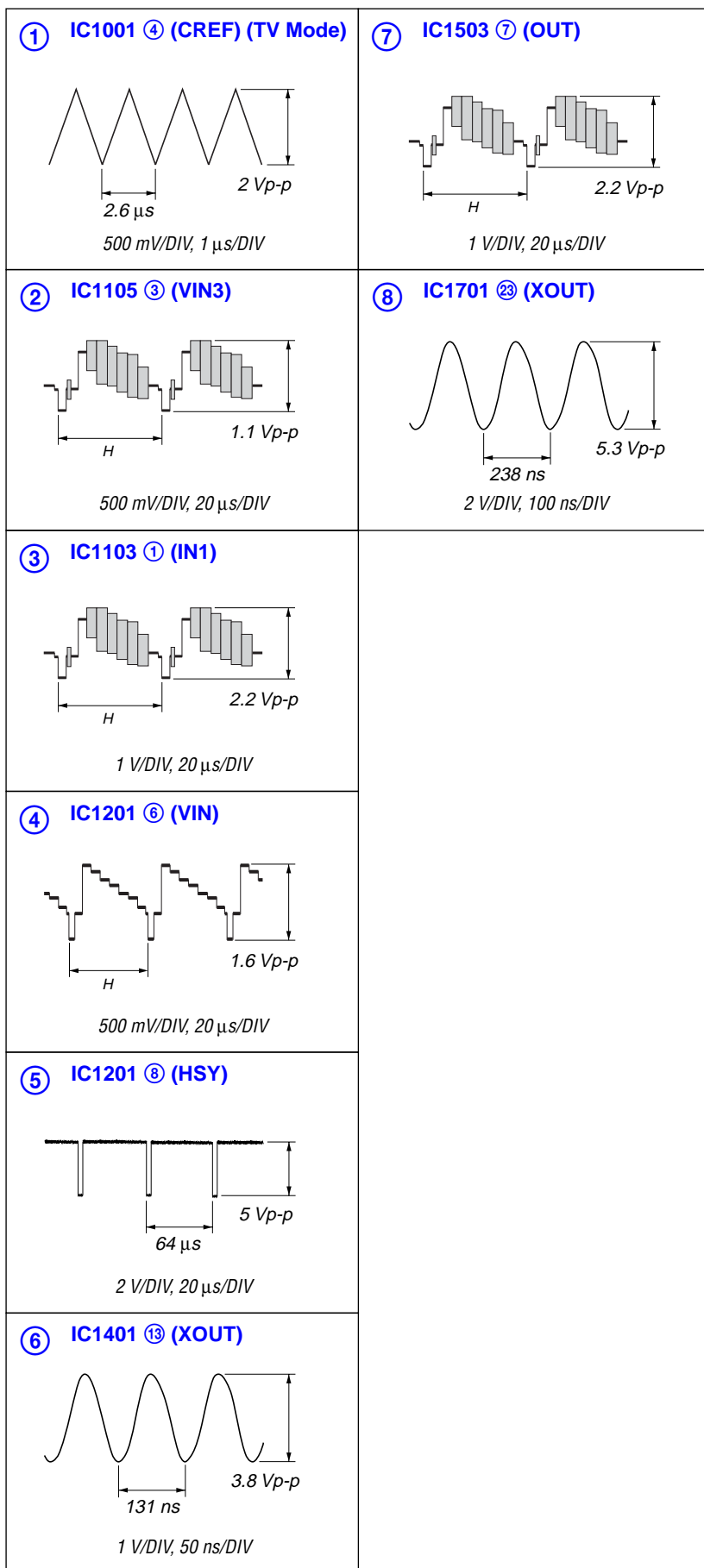


6-18. SCHEMATIC DIAGRAM – KEY Section –

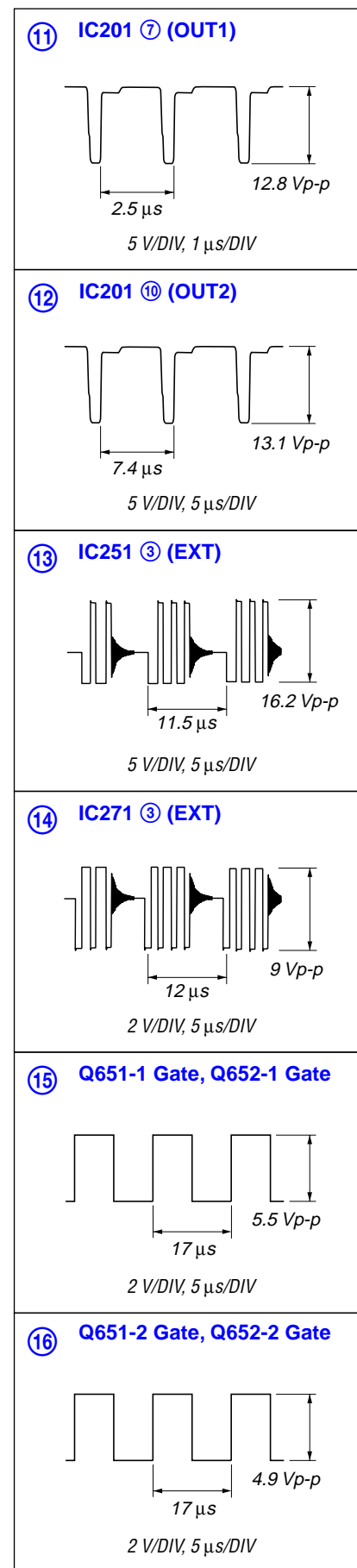


• Waveforms

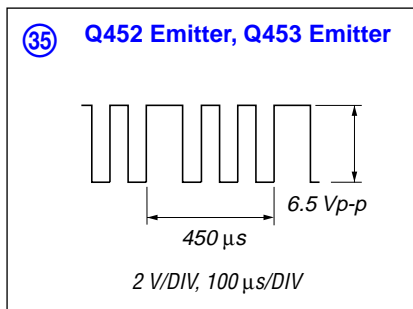
– MAIN Board –



– MONITOR Board –



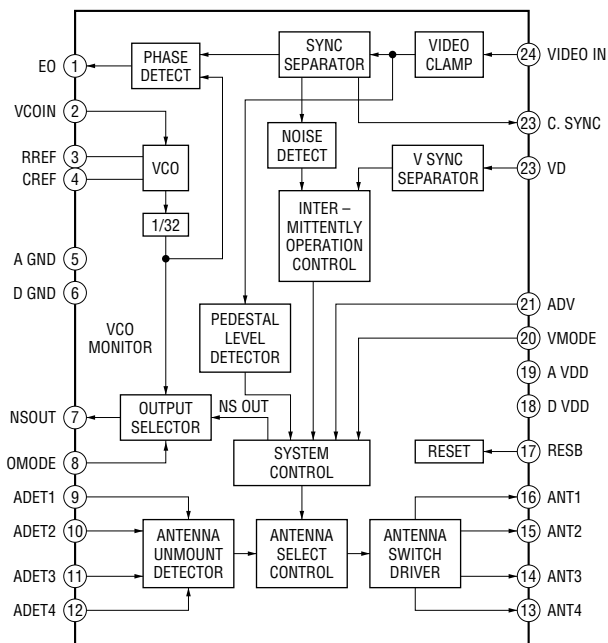
<p>17 Q651 Drain, Q652 Drain</p> <p>15.2 Vp-p 16.9 μs 5 V/DIV, 5 μs/DIV</p>	<p>23 IC401 19 (B_OUT)</p> <p>3.3 Vp-p H 1 V/DIV, 20 μs/DIV</p>	<p>29 IC901 32 (HCK)</p> <p>5.4 Vp-p 105 ns 2 V/DIV, 50 ns/DIV</p>
<p>18 IC101 20 (XOUT)</p> <p>4.4 Vp-p 124 ns 1 V/DIV, 50 ns/DIV</p>	<p>24 IC401 21 (G_OUT)</p> <p>3.3 Vp-p H 1 V/DIV, 20 μs/DIV</p>	<p>30 IC481 6 (OUT1)</p> <p>5.2 Vp-p H 2 V/DIV, 20 μs/DIV</p>
<p>19 IC101 37 (VSYNC)</p> <p>5.3 Vp-p 20 ms 2 V/DIV, 10 ms/DIV</p>	<p>25 IC401 26 (R_OUT)</p> <p>3.3 Vp-p H 1 V/DIV, 20 μs/DIV</p>	<p>31 IC481 10 (OUT2)</p> <p>5.2 Vp-p H 2 V/DIV, 20 μs/DIV</p>
<p>20 IC101 38 (HSYNC)</p> <p>5.2 Vp-p 64 μs 2 V/DIV, 20 μs/DIV</p>	<p>26 IC401 34 (CSYNC_OUT)</p> <p>3.4 Vp-p 64 μs 1 V/DIV, 20 μs/DIV</p>	<p>32 IC481 12 (OUT3)</p> <p>5.2 Vp-p H 2 V/DIV, 20 μs/DIV</p>
<p>21 IC401 52 (Y_IN)</p> <p>1.4 Vp-p H 500 mV/DIV, 20 μs/DIV</p>	<p>27 IC401 46 (CSYNC_IN)</p> <p>1.1 Vp-p H 500 mV/DIV, 20 μs/DIV</p>	<p>33 IC951 3 (VCOO)</p> <p>4.2 Vp-p 52 ns 1 V/DIV, 20 ns/DIV</p>
<p>22 IC401 57 (C_IN)</p> <p>1.3 Vp-p H 500 mV/DIV, 20 μs/DIV</p>	<p>28 IC901 26 (VCK)</p> <p>5.4 Vp-p 64 μs 2 V/DIV, 20 μs/DIV</p>	<p>34 Q451 Base</p> <p>6.9 Vp-p 450 μs 2 V/DIV, 100 μs/DIV</p>



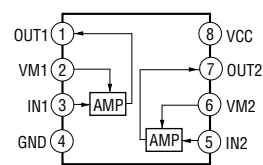
• IC Block Diagrams

– MAIN Board –

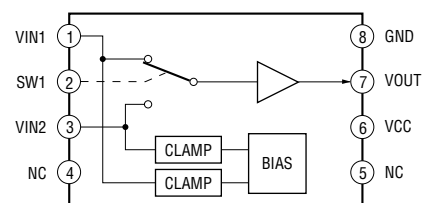
IC1001 CM0035AM



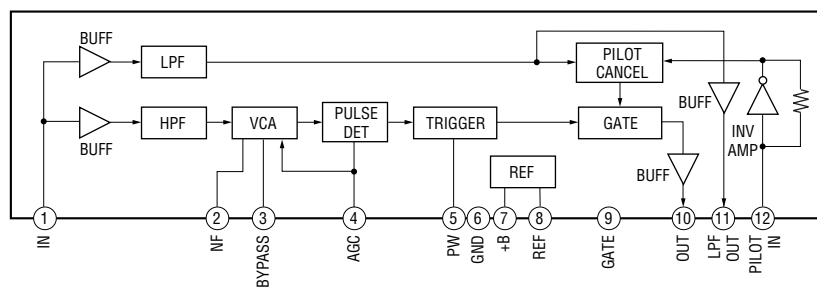
IC1101, 1102, 1502 BA3121F



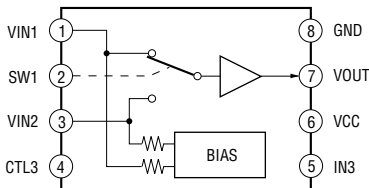
IC1103 MM1225XFBE



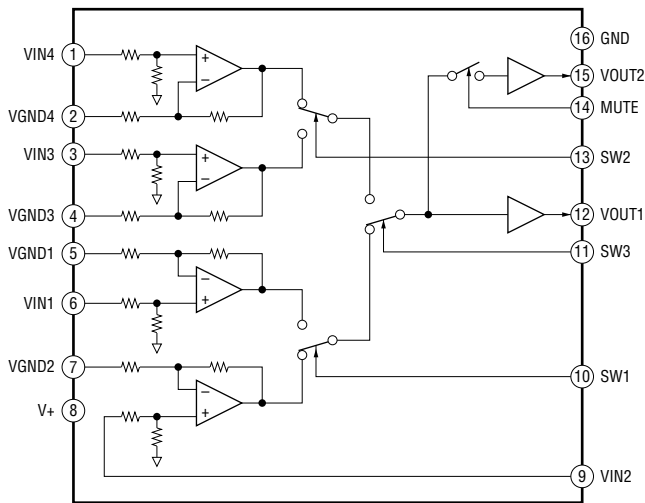
IC1002 TA2005SN



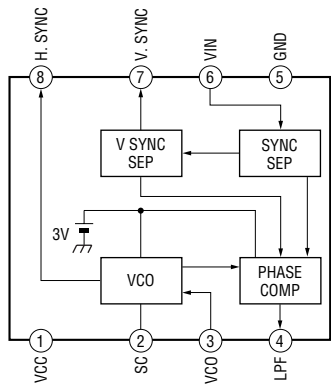
IC1104, 1503 MM1228XFBE



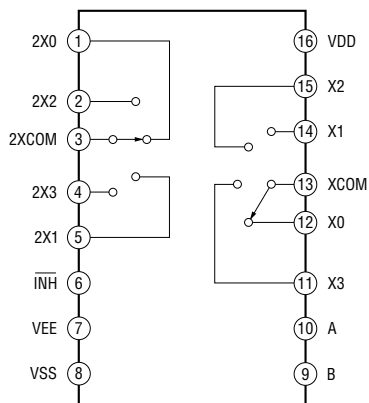
IC1105 NJM2526V (TE2)



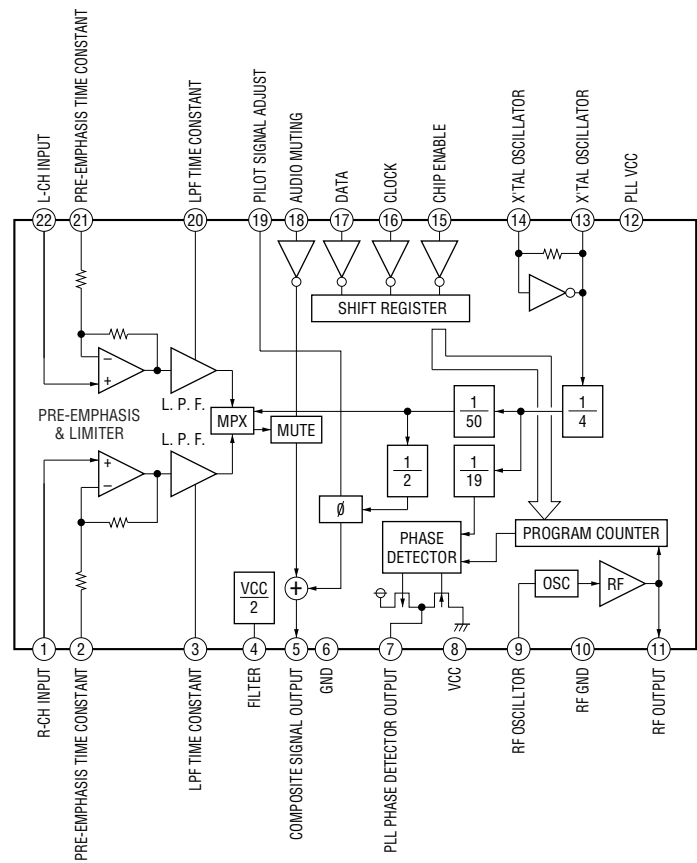
IC1201 MM1108XFBE



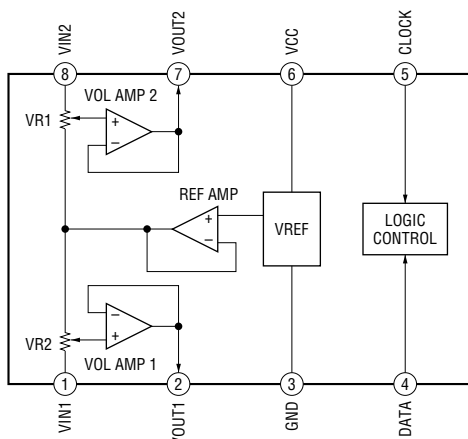
IC1251 MC74HC4052ADTR2



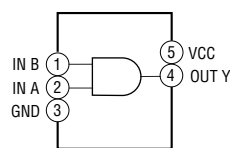
IC1401 BH1415F-E2



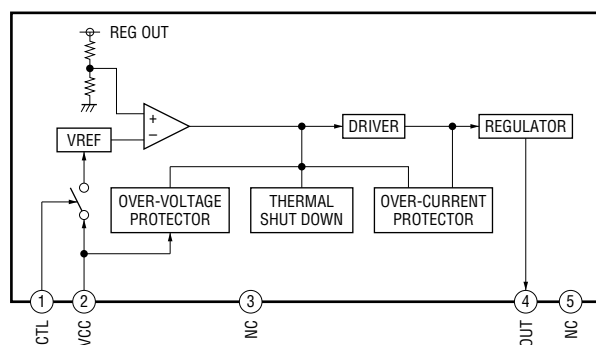
IC1451 M62429FP-TP



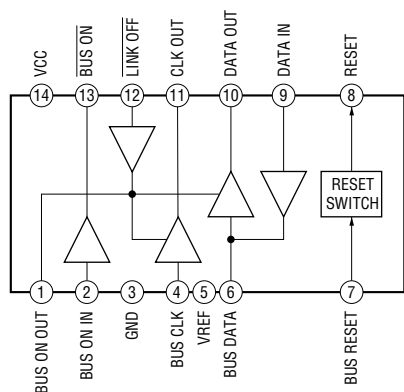
IC1703 TC7S08FU (TE85R)



IC1906 BA09CC0WFP-E2

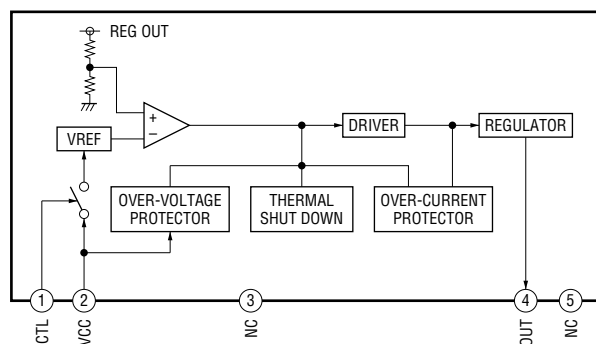


IC1601 BA8272AFV-E2

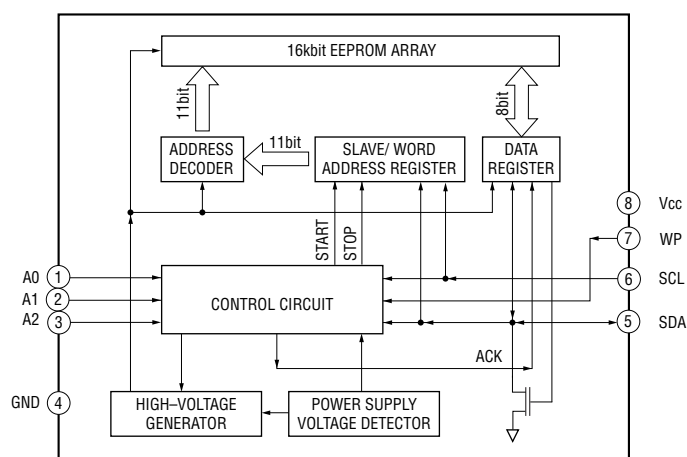


- SLIDER Board -

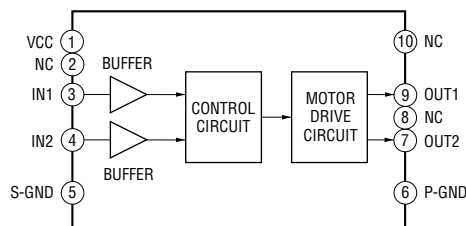
IC1 BA07CC0WFP-E2



IC1702 BR24L16FV-WE2



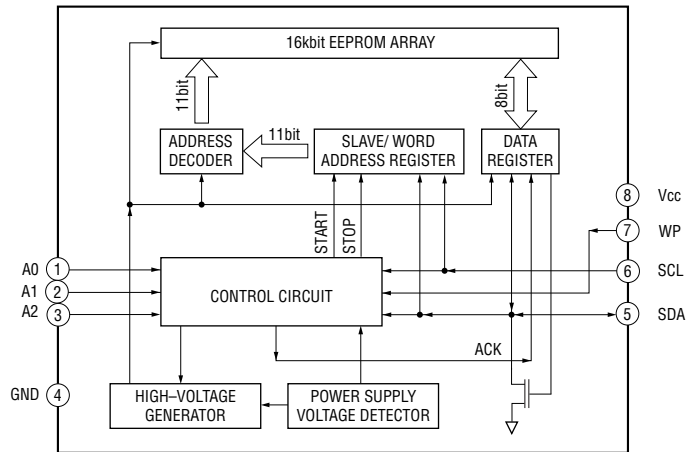
IC2,3 LB1930M-TLM-E



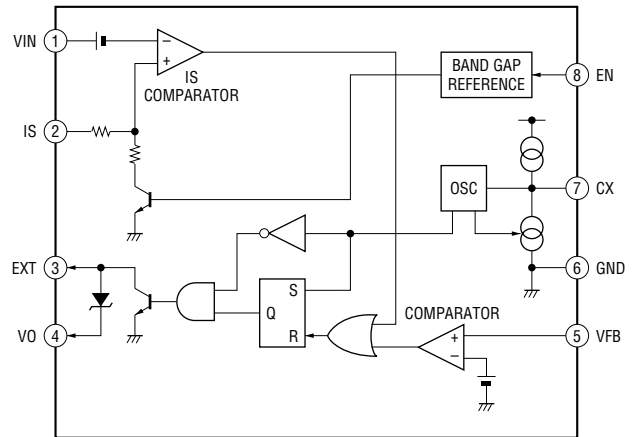
XTL-W7000

- MONITOR Board -

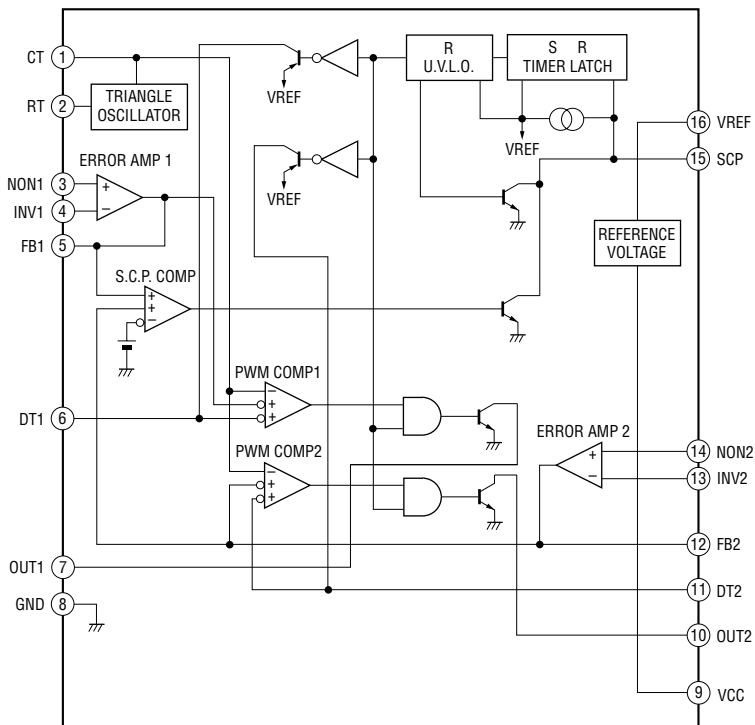
IC102 BR24L16FV-WE2



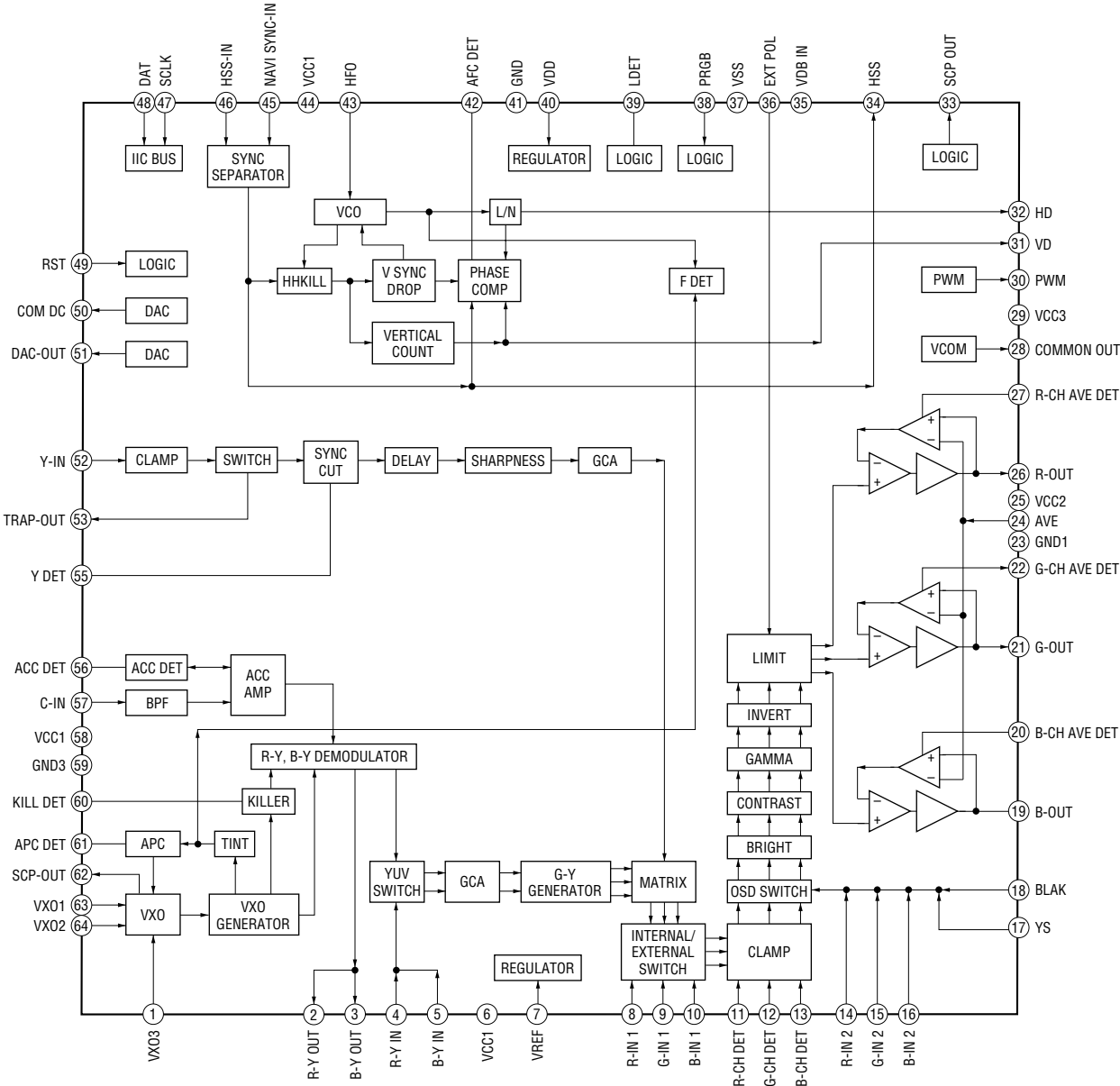
IC251, 271 TK11850L



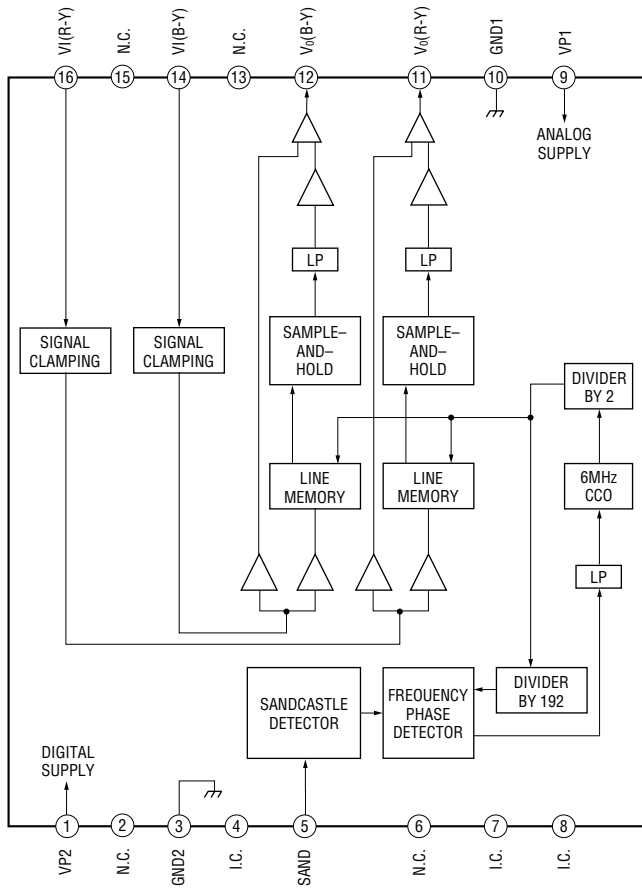
IC201 BA9743AFV-E2



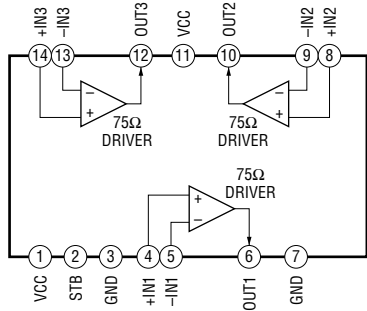
IC401 AN2546FH-AV



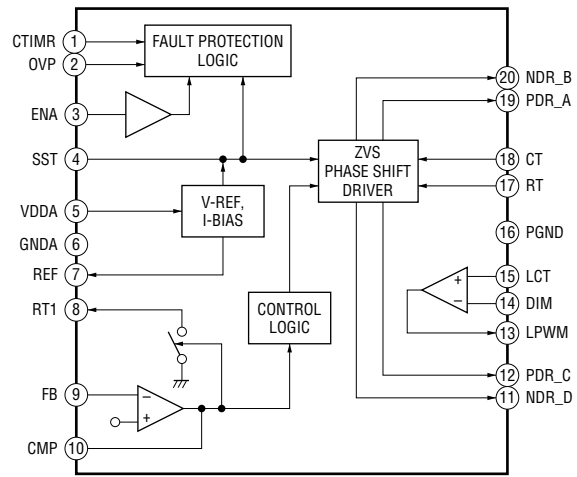
IC403 TDA4665T/V5-118



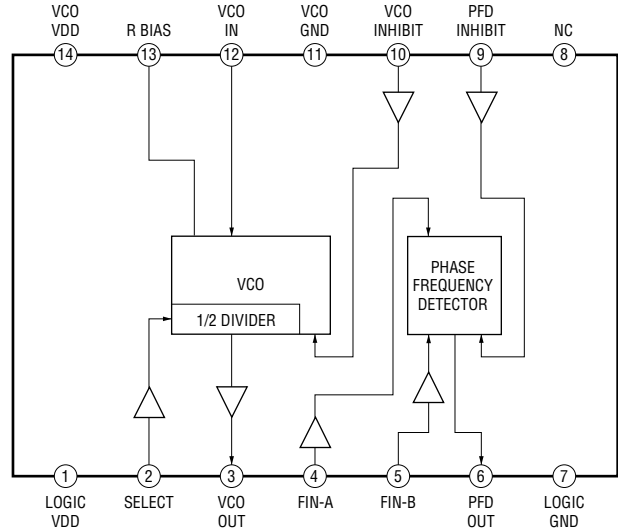
IC481 TK15452V



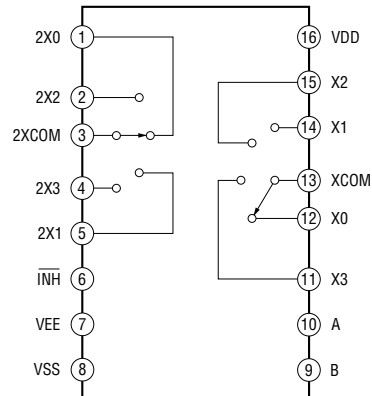
IC601 OZ9641SN-C-0-T2



IC951 TLC2932IPWR



IC954 MC74HC4052ADTR2



• IC Pin Function Description

MAIN BOARD IC1701 M38B79FFFP-A201 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	B.UP_A/D_CHK	I	Battery voltage check terminal (A/D input)
2	ANGLE	I	Monitor angle sensor input (A/D input)
3	TMP	I	Temperature detect sensor for monitor open/close section input terminal (A/D input)
4	CLOSE_SW	I	Monitor close detect switch of slide section input terminal
5	AD_ON	O	A/D converter power control signal output terminal
6	ANGLE_SW	I	Monitor angle detect switch input terminal
7	NC	O	Not used
8	EVOL_DATA	O	Serial data output to the electrical volume
9	EVOL_CLK	O	Serial data transfer clock signal output to the electrical volume
10	NICAM	O	TV/FM switching control signal output to the TV tuner unit (PAL model only)
11	SM	I	Signal-meter voltage detection signal input from the TV tuner unit (A/D input)
12	OSD_CLK	O	Serial data transfer clock signal output to the OSD controller
13	OSD_DATA_OUT	O	Serial data output to the OSD controller
14	NC	I	Not used
15	OSD_CE	O	Chip enable signal output to the OSD controller
16	HSY	I	Horizontal synchronize signal input terminal
17	CNVSS	-	Ground terminal
18	RESET	I	System reset signal input from the reset signal generator or reset switch or SONY bus "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
19	SCLK	O	Serial data transfer clock signal output to the EEPROM
20	SDA	I/O	Serial data input/output terminal with the EEPROM
21	VSS	-	Ground terminal
22	XIN	I	System clock input terminal (4.19 MHz)
23	XOUT	O	System clock output terminal (4.19 MHz)
24	VCC	-	Power supply terminal (+5V)
25	S_BUS	I	Back up power supply detection signal input from the SONY bus interface IC "L" is input at low voltage
26	SIRCS	I	SIRCS signal input terminal
27	OSD_RST	O	Reset signal output to the OSD controller
28	BEEP	O	Beep sound signal output terminal
29	ACC_IN_VSY	I	Accessory power detection signal input, and vertical synchronize signal input terminal
30	BU_IN	I	Battery voltage detection input terminal
31	BUSON_IN	I	SONY bus on/off control signal input terminal "L": bus on
32	KEYACK	I	Acknowledge signal (wake up signal) input terminal for the key entry
33	BUSY	O	Busy signal output terminal (for flash memory writing)
34	SCLK	I	Serial data transfer clock signal input terminal (for flash memory writing)
35	TXD	O	Transmit data output terminal for UART communication when data writing to flash memory
36	SDA/RXD	I	Receive data input terminal for UART communication when data writing to flash memory
37	ACC_IN	I	Accessory power detection signal input terminal
38	NC	O	Not used
39	FM_CE	O	Chip enable signal output to the FM stereo transmitter
40	FM_CLK	O	Serial data transfer clock signal output to the FM stereo transmitter

Pin No.	Pin Name	I/O	Description
41	FM_DATA	O	Serial data output to the FM stereo transmitter
42 to 44	NC	O	Not used
45	DISP_MUTE	O	LCD muting control signal output terminal
46, 47	M_SEL1, M_SEL2	I	Setting terminal for the destination
48	MAIN_TEST	I	Test mode of main section setting terminal
49	LCD_TEST	I	Test mode of monitor section setting terminal
50	SD	I	SD signal input from the TV tuner unit
51, 52	NC	O	Not used
53	MAIN_SUB	O	MAIN/SUB of bilingual sound switching signal output terminal Not used
54	ST	I	Stereo broadcast detection signal input terminal Not used
55	BIL	I	Bilingual broadcast detection signal input terminal Not used
56	MONO	O	Forced monaural mode setting signal output when receive the stereo broadcast Not used
57	XOE	I	Output enable signal input terminal (for flash memory writing)
58	V_MUTE	O	Video muting on/off control signal output terminal
59	AU_MUTE	O	Audio muting on/off control signal output terminal
60	MOTOR-ON	O	Power on/off control signal output for motor section
61	OPEN (SLIDE)	O	Slide motor control signal output terminal (open direction)
62	CLOSE (SLIDE)	O	Slide motor control signal output terminal (close direction)
63	OPEN (ANGLE)	O	Angle motor control signal output terminal (open direction)
64	CLOSE (ANGLE)	O	Angle motor control signal output terminal (close direction)
65	PHOTO IN	I	Slide motor rotating detection sensor input terminal
66	PARKING	I	Parking brake detection signal input terminal
67	REVERSE	I	Reverse detection signal input terminal
68	ILL_IN	I	Illuminate line detection signal input terminal
69 to 71	SEL1 to SEL3	O	Video select signal output terminal
72	TEST_IN	I	For test terminal Not used
73	LED_ON	O	Power on/off control signal output for LED
74	LCD_ON	O	Power on/off control signal output for LCD
75	POWON	O	Power on/off control signal output for audio/video section
76	TU_ON	O	Power on/off control signal output for tuner section
77, 78	AU_SEL1, AU_SEL2	O	Audio select signal output terminal
79	AUX/XS-BUS	O	Video output control signal output terminal "L": system standby mode, SONY bus connected
80, 81	SEL4, SEL5	O	Video select signal output terminal
82	INV_ON	O	Inverter transformer on/off control signal output for the LCD back light
83, 84	FM_VOL0, FM_VOL1	O	Modulation volume control signal output for the FM stereo transmitter
85	FM_ON	O	Power on/off control signal output for the FM stereo transmitter
86	SP_STB	O	Speaker standby on/off control signal output terminal
87	SP_MUTE	O	Muting on/off control signal output to the speaker amplifier
88	FRONT_MUTE	O	LCD muting on/off control signal output terminal
89	VEE	-	Ground terminal
90	UNI_SI	I	Serial data input from the SONY bus interface IC

Pin No.	Pin Name	I/O	Description
91	UNI_SO	O	Serial data output to the SONY bus interface IC
92	UNI_CLK	I	Serial data transfer clock signal input from the SONY bus interface IC
93	OSD_ACK	I	Acknowledge signal input from the OSD controller
94	SDA_B	I/O	Serial data input/output terminal with the tuner unit
95	SCLK_B	O	Serial data transfer clock signal output to the tuner unit
96	DIMMER	O	LCD back light dimmer control signal output terminal
97	AVSS	-	Ground terminal
98	VREF	I	Reference voltage (+5V) input terminal
99, 100	KEY_IN_0, KEY_IN_1	I	Front panel key input terminal (A/D input)

MONITOR BOARD IC101 M37151MA-073FP (OSD CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	SCL1	O	Serial data transfer clock signal output to the RGB decoder and EEPROM
2	FLDS	O	Not used
3	AN_RST	O	Reset signal output to the RGB decoder
4	LDEC	O	Not used
5, 6	VDY0, VDY1	O	Not used
7, 8	PH0, PH1	O	Not used
9	CE	O	Chip enable signal output to the system controller
10	SCLK	I	Serial data transfer clock signal input from the system controller
11	SOUT	O	Serial data output terminal Not used
12	SIN	I	Serial data input from the system controller
13	OSD_ACK	O	Acknowledge signal output to the system controller
14 to 16	MOD0 to MOD2	O	Aspect ratio setting signal output to the LCD controller
17	NT/PAL	O	NTSC/PAL switching signal output terminal
18	CNVSS	-	Ground terminal
19	XIN	I	System clock input terminal (8 MHz)
20	XOUT	O	System clock output terminal (8 MHz)
21	VSS	-	Ground terminal
22	VCC	-	Power supply terminal (+5V)
23	FILT	-	Filter connection terminal for clock oscillation
24	HLF	I/O	Not used
25	VHOLD	I/O	Not used
26	CVIN	I/O	Not used
27	RESET	I	Reset signal input from the system controller
28	-	-	Not used
29 to 31	HD3 to HD1	O	Not used
32	VD2	O	Not used
33	OUT	O	OSD pulse output to the RGB decoder
34	R	O	OSD data (R) output terminal
35	G	O	OSD data (G) output terminal
36	B	O	OSD data (B) output terminal
37	VSYNC	I	Vertical synchronized signal input terminal
38	HSYNC	I	Horizontal synchronized signal input terminal
39	HD0	O	Not used
40	VD1	O	Not used
41	SDA	I/O	Serial data input/output terminal with the RGB decoder and EEPROM
42	VD0	O	Not used

MONITOR BOARD IC901 70IC01A (LCD CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	GND	-	Ground terminal
2	OR_IN2	I	OR circuit input terminal Not used
3	CKS	I	Dot clock setting terminal Not used
4 to 6	VD0 to VD2	I	Vertical display starting position setting terminal Fixed at "H" in this set
7	OR_IN1	I	OR circuit input terminal Not used
8	AND_OUT	O	AND circuit output terminal Not used
9, 10	AND_IN2, AND_IN1	I	AND circuit input terminal Not used
11	NC	-	Not used
12	GND	-	Ground terminal
13	NC	-	Not used
14	HSC	I	Horizontal synchronized signal input terminal
15	VSC	I	Vertical synchronized signal input terminal
16	TESI1	I	For test input terminal Not used
17	DCK1	I	Dot clock input terminal
18	TESO1	O	For test output terminal Not used
19	DCK2	I	Dot clock input terminal Not used
20	GND	-	Ground terminal
21	VDD	-	Power supply terminal (+5V)
22	VSMOD	I	VSC automatic creation setting terminal "H": automatic creation on Fixed at "H" in this set
23	VOE	O	Output enable signal output to the LCD
24, 25	VSP1, VSP2	O	Vertical driver start pulse output terminal
26	VCK	O	Vertical driver clock signal output to the LCD
27	GND	-	Ground terminal
28	RSET	O	Horizontal driver reset signal output to the LCD
29	DLP	O	Horizontal driver latch pulse output to the LCD
30, 31	HSP1, HSP2	O	Horizontal driver start pulse output to the LCD
32	HCK	O	Horizontal driver clock signal output to the LCD
33	GND	-	Ground terminal
34	PCA	O	Polarity reverse signal output terminal
35	PCB	O	Polarity reverse signal output terminal Not used
36	MUTE	O	Muting on/off control signal output to the RGB decoder
37	CLP1	O	Black level clamp signal output terminal Not used
38	VSCO	O	Not used
39	HSCO	O	Not used
40	VDD	-	Power supply terminal (+5V)
41	GND	-	Ground terminal
42	PLO	O	PLL divided clock signal output terminal
43	PLS	O	PLL reference signal output terminal
44	PWM	O	Not used
45	DIVL	I	Dot clock divide ratio setting signal input terminal "H": two divide Fixed as "H" in this set
46	TESO2	O	For test output terminal
47	INV01	O	Invert circuit output terminal
48	TESI3	I	For test input terminal Not used

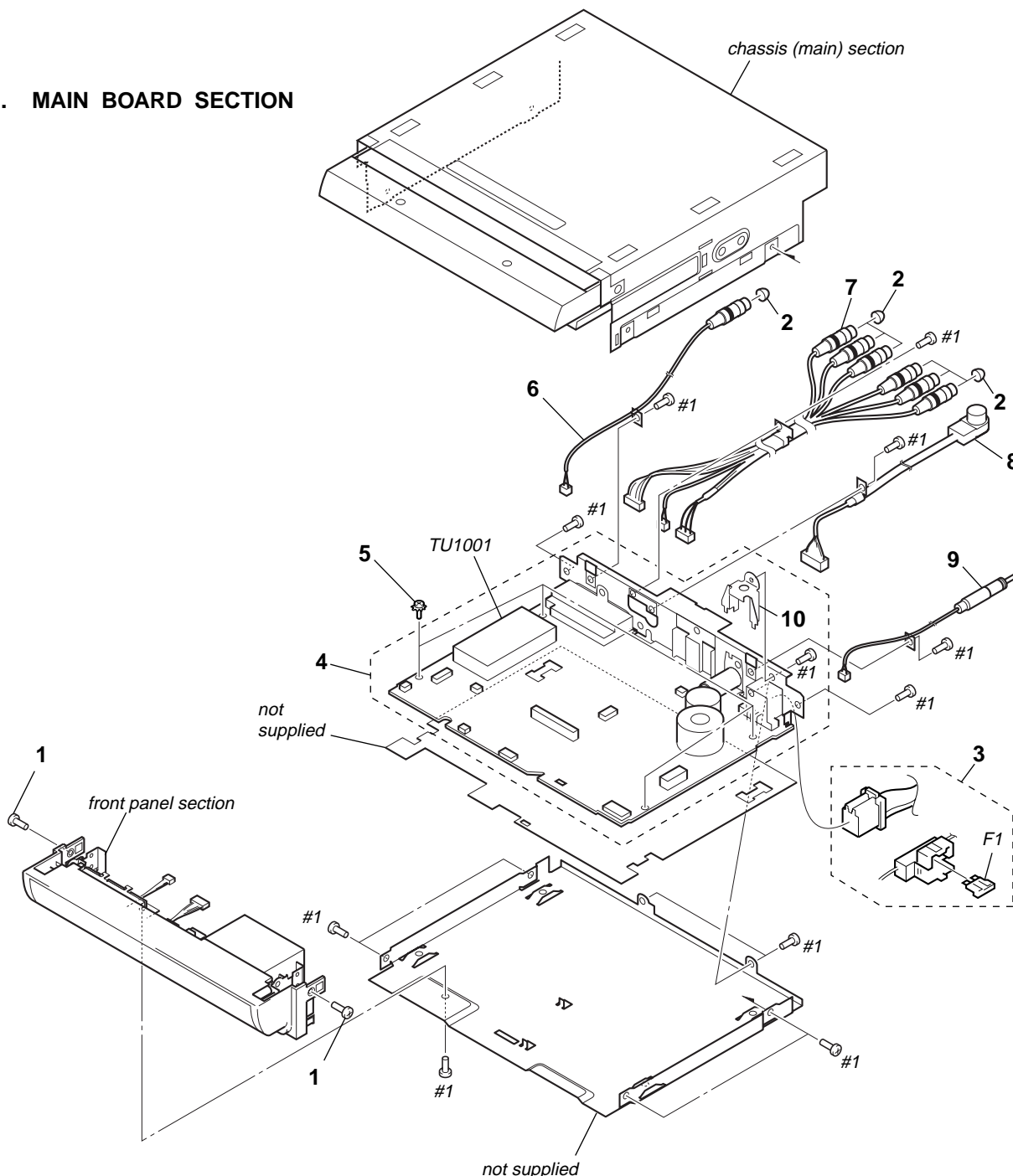
Pin No.	Pin Name	I/O	Description
49	N/P	I	NTSC/PAL switching signal input terminal "L": PAL, "H": NTSC
50	MOD2	I	Aspect ratio setting signal input from the OSD controller
51	TESI2	I	For test input terminal Not used
52	INVI1	I	Invert circuit input terminal
53	POC	I	Reset signal input terminal "L": reset Not used
54	MOD1	I	Aspect ratio setting signal input from the OSD controller
55	NC	-	Not used
56	MOD0	I	Aspect ratio setting signal input from the OSD controller
57	CLKS	I	Dot clock signal input terminal
58	FLDS	I	Display start position input terminal Not used
59	LDEC	I	Mode setting terminal for PAL
60	GND	-	Ground terminal
61	VDD	-	Power supply terminal (+5V)
62	RL	I	Scan direction (right and left) setting signal input from the LCD
63	UD	I	Scan direction (up and down) setting signal input from the LCD
64	PSES	I	PL0 divide ratio setting terminal Not used
65, 66	CLA0, CLA1	I	Clamp signal position setting terminal Not used
67, 68	PH0, PH1	I	Output delay value setting terminal Not used
69	VCOS1	O	VCO switching signal output for wide mode
70	PCH	I	Horizontal driver latch pulse width setting terminal
71	VCOS2	O	VCO switching signal output for wide mode
72, 73	VDY0, VDY1	I	VSC0 delay value setting terminal Not used
74 to 77	HD0 to HD3	I	Horizontal display starting position setting terminal Not used
78	CLP2	O	Black level clamp signal output terminal Not used
79	OR_OUT	O	OR circuit output terminal Not used
80	VDD	-	Power supply terminal (+5V)

SECTION 7 EXPLODED VIEWS

NOTE:

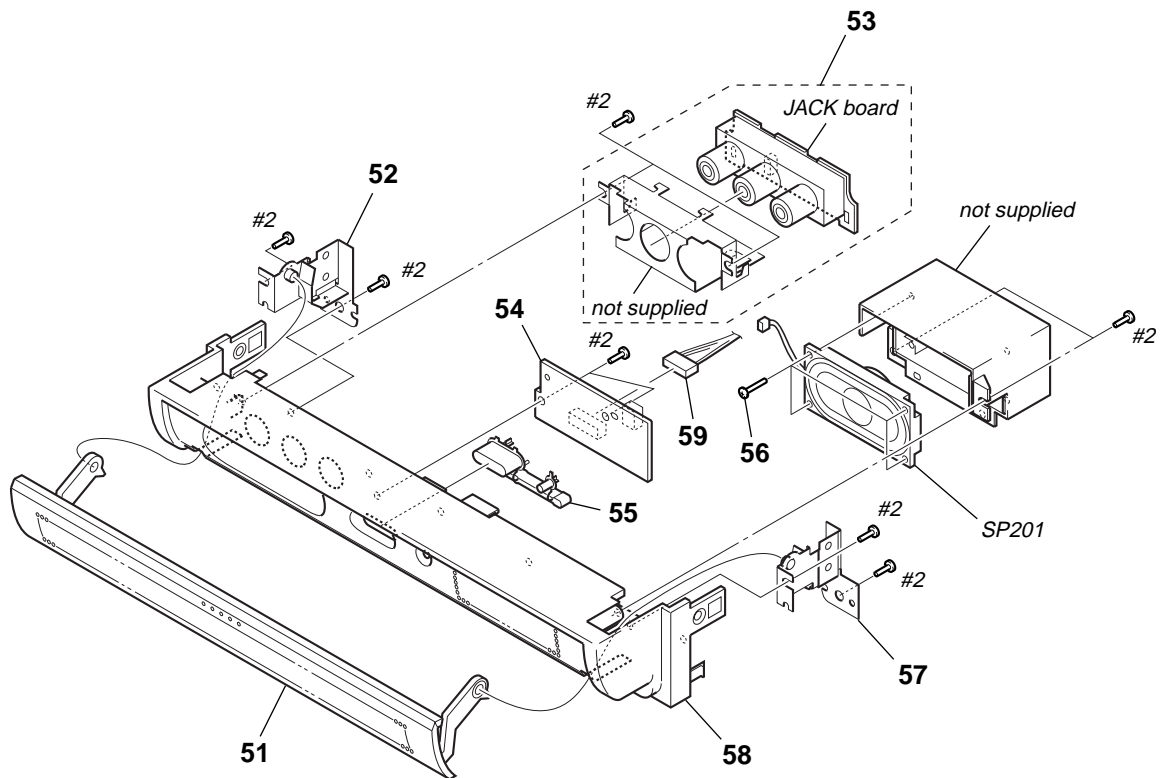
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example:
KNOB, BALANCE (WHITE) . . . (RED)
 ↑ ↑
 Parts Color Cabinet's Color
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

7-1. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-671-875-01	SCREW M2 (EG GRIP)		8	1-829-693-11	CORD, CONNECTION (SONY BUS)	
2	2-591-450-01	CAP (RCA)		9	1-829-694-11	CORD, CONNECTION (ANT-OUT)	
3	1-829-692-11	CORD (WITH CONNECTOR) (POWER)		* 10	3-018-410-01	REINFORCEMENT (PW)	
4	A-1082-447-A	MAIN BOARD, COMPLETE (NTSC)		F1	1-532-796-11	FUSE (BLADE TYPE) (AUTO FUSE) (5A/32V)	
4	A-1082-639-A	MAIN BOARD, COMPLETE (PAL)		TU1001	1-693-647-11	TUNER, TV (PAL) (PAL)	
5	3-376-464-11	SCREW (+PTT 2.6X6), GROUND POINT		TU1001	1-693-648-11	TUNER, TV (USCH NTSC) (NTSC)	
6	1-829-691-11	CORD, CONNECTION (CAMERA) (CAMERA IN)		#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
7	1-829-690-11	CORD, CONNECTION (RCA) (VIDEO OUT, VIDEO2 IN)					

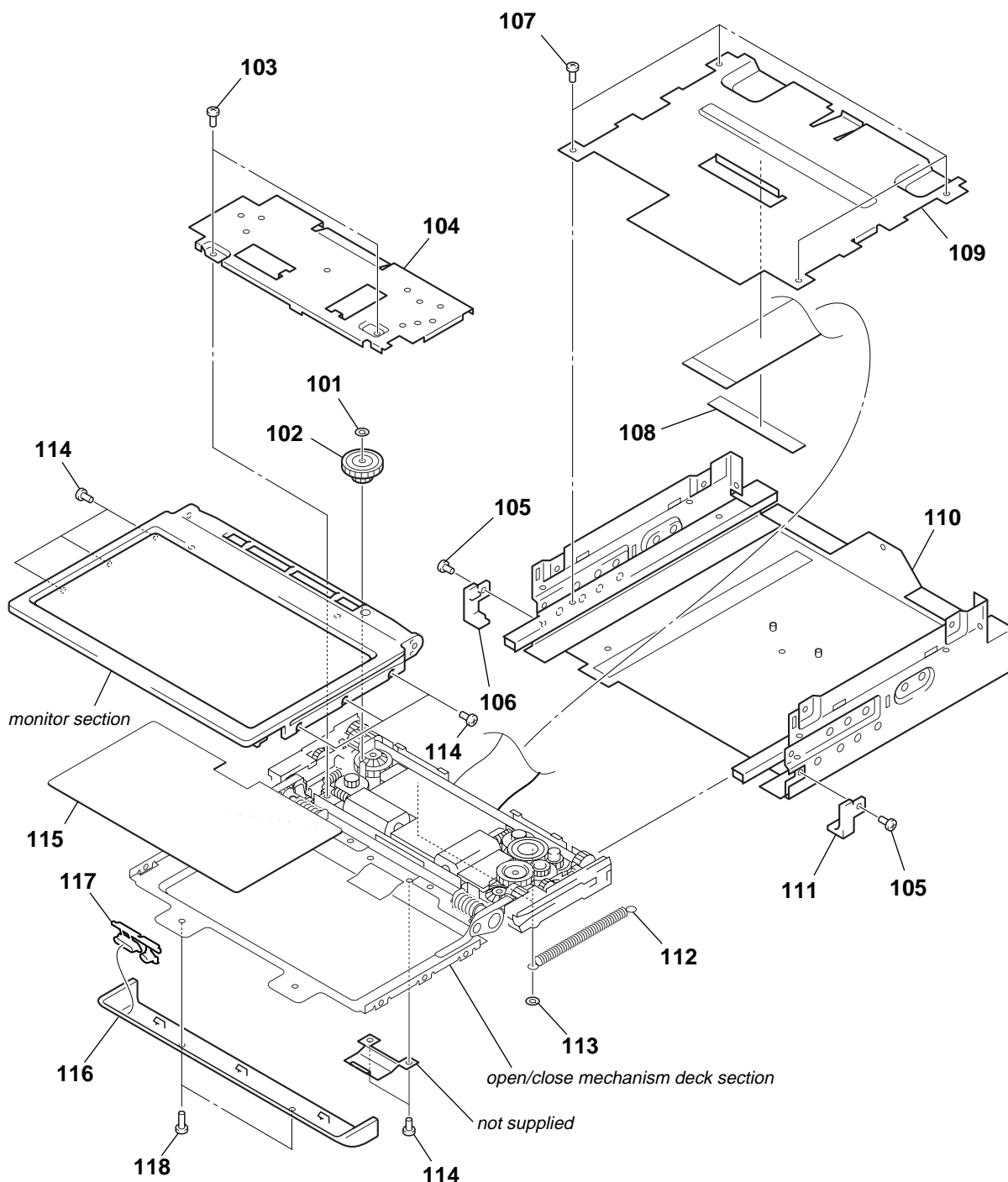
7-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2048-514-1	SHUTTER ASSY		57	X-2023-238-1	BRACKET (R) ASSY	
52	X-2023-237-1	BRACKET (L) ASSY		58	2-178-225-01	PANEL, FRONT	
53	A-1084-518-A	JACK BOARD, COMPLETE		59	A-1087-977-A	CABLE ASSY	
54	A-1084-516-A	SW (FRONT) BOARD, COMPLETE		SP201	1-825-967-11	SPEAKER (2X4cm)	
55	2-178-226-01	BUTTON (FP) (CUSTOM)		#2	7-685-104-14	SCREW +P 2X6 TYPE2 NON-SLIT	
56	3-254-139-11	SCREW (1.7)					

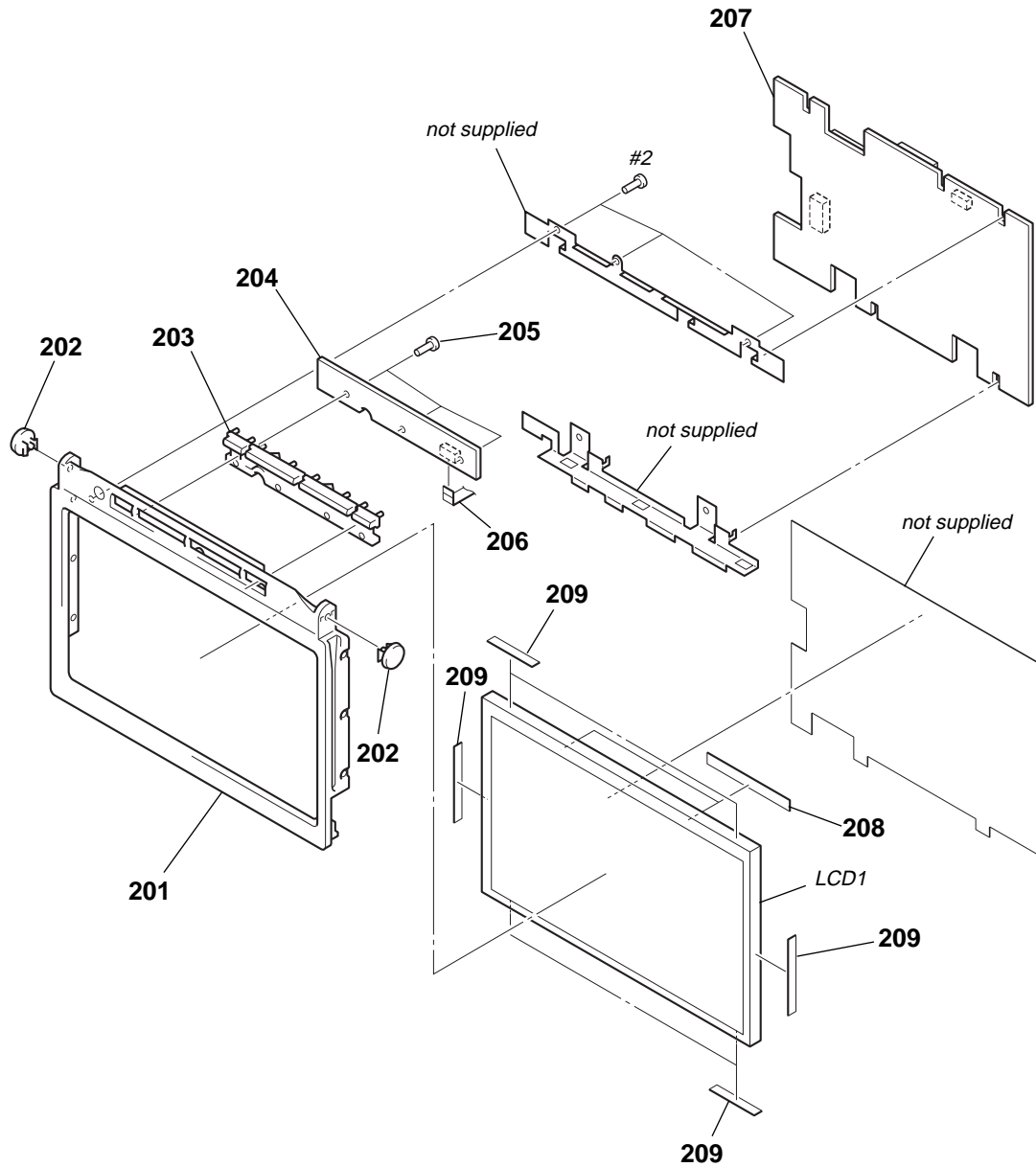
7-3. CHASSIS (MAIN) SECTION

Note: This illustration has indicated by turning a bottom part up.



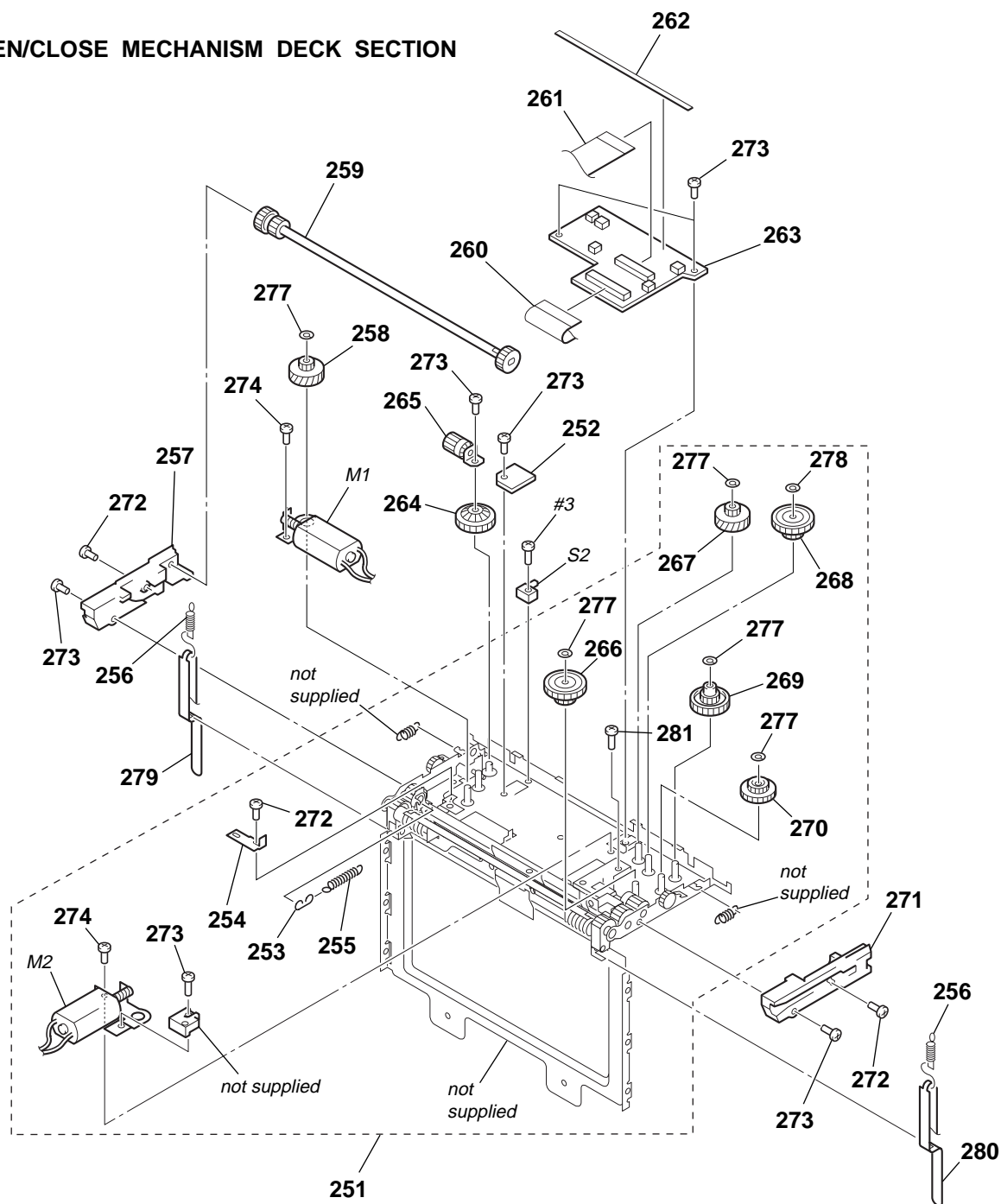
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	2-514-404-01	WASHER (2.6X4.5), STOPPER		110	X-2021-497-1	CHASSIS (MAIN) ASSY	
102	2-587-464-01	GEAR (1 S)		111	2-025-161-01	STOPPER (L)	
103	3-719-696-21	SCREW (M2), SPECIAL HEAD		112	2-548-178-01	SPRING (GT), TENSION COIL	
104	2-025-170-01	BRACKET (SLIDER)		113	2-588-123-01	WASHER (2.1-4), STOPPER	
105	3-729-013-41	SCREW (M1.4X3.5), WASHERED (+P)		114	4-671-875-01	SCREW M2 (EG GRIP)	
106	2-025-162-01	STOPPER (R)		115	2-178-239-01	SHEET (M2), INSULATING	
107	4-650-316-01	SCREW (M1.7)		116	X-2023-236-1	COVER (TOP) SUB ASSY	
108	2-055-723-01	SHEET (FPC)		117	2-178-233-01	BUTTON (M TOP) (●, OPEN/CLOSE)	
109	2-025-224-01	PARTITION		118	4-656-595-11	SCREW (M2), LOOSE STOPPER	

7-4. MONITOR SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	X-2023-235-1	CASE (M) SUB ASSY, FRONT		207	A-1082-442-A	MONITOR BOARD, COMPLETE	
202	2-178-234-01	ORNAMENT (M SIDE)		208	2-349-207-01	SHEET (LCD), ADHESIVE	
203	2-178-231-01	BUTTON (M FRONT)		209	3-039-160-01	SHEET (3), LCD	
204	A-1084-507-A	KEY BOARD, COMPLETE		LCD1	1-805-675-21	DISPLAY PANEL, LIQUID CRYSTAL	
205	3-914-366-01	SCREW (DIA. 1.7X4), PRECISION		#2	7-685-104-14	SCREW +P 2X6 TYPE2 NON-SLIT	
206	1-830-119-11	CABLE, FLEXIBLE FLAT (10 CORE)					

7-5. OPEN/CLOSE MECHANISM DECK SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	A-1106-947-A	SLIDE BLOCK (SV) ASSY		268	2-025-188-01	GEAR (1)	
252	A-1086-054-A	SW (SENSOR) BOARD, COMPLETE		269	2-025-189-01	GEAR (2)	
253	2-548-681-01	RING (SPRING)		270	2-025-190-01	GEAR (3)	
254	2-580-886-01	BRACKET (R THRUST)		271	2-025-201-01	SLIDER (R)	
255	2-025-223-01	SPRING (MONITOR), TENSION COIL		272	2-134-636-31	SCREW (M1.7X2.5)	
256	2-342-147-01	SPRING (CVR), EXTENSION		273	2-626-869-01	SCREW (M2X3), SERRATION	
257	2-025-200-01	SLIDER (L)		274	3-719-696-21	SCREW (M2), SPECIAL HEAD	
258	2-587-463-01	GEAR (WHEEL S)		277	2-514-403-01	WASHER (2.6X4), STOPPER	
259	X-2022-470-1	SHAFT (DRIVE) ASSY		278	2-514-404-01	WASHER (2.6X4.5), STOPPER	
260	1-862-939-11	FLEXIBLE (50P) BOARD		279	2-342-149-01	COVER (R)	
261	1-862-938-11	FLEXIBLE (32P) BOARD		280	2-342-148-01	COVER (L)	
262	2-055-724-01	SHEET (PWB)		281	3-948-339-61	TAPPING	
263	A-1086-052-A	SLIDER BOARD, COMPLETE		M1	A-1105-379-A	BRACKET (MOTOR S) (ASSY) (SLIDE)	
264	2-025-192-01	GEAR (5)		M2	A-1082-512-A	BRACKET (MOTOR) ASSY (ANGLE)	
265	A-1082-511-A	GEAR (6) ASSY		S2	1-570-771-21	SWITCH (CLOSE)	
266	2-025-191-01	GEAR (4)		#3	7-627-853-87	+P 2X8 TYPE 3	
267	2-025-187-01	GEAR (WORM WHEEL)					

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA... : μ A... uPA... : μ PA...
uPB... : μ PB... uPC... : μ PC...
uPD... : μ PD...
- CAPACITORS
uF: μ F
- COILS
uH: μ H

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark
	A-1084-518-A	JACK BOARD, COMPLETE *****	
		< CONNECTOR >	
CN101	1-785-900-21	CONNECTOR 5P < DIODE >	
D101	8-719-016-73	DIODE STZ6.8T	
D102	8-719-016-73	DIODE STZ6.8T	
D201	8-719-016-73	DIODE STZ6.8T	
D202	8-719-016-73	DIODE STZ6.8T	
D203	8-719-016-73	DIODE STZ6.8T	
		< JACK >	
JP101	1-770-021-11	JACK, PIN 3P (VIDEO 1 IN) *****	
	A-1084-507-A	KEY BOARD, COMPLETE *****	
		< CAPACITOR >	
C851	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
		< CONNECTOR >	
CN851	1-766-646-21	CONNECTOR, FFC/FPC 10P	
CN852	1-780-112-11	TERMINAL, CONTACT	
CN853	1-780-112-11	TERMINAL, CONTACT	
		< DIODE >	
D851	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D853	8-719-056-83	DIODE UDZ-TE-17-6.8B	
		< IC >	
IC851	6-600-163-01	IC RS-770	
		< RESISTOR >	
R851	1-218-990-11	SHORT CHIP 0	
R852	1-216-819-11	METAL CHIP 680 5% 1/10W	
R853	1-216-819-11	METAL CHIP 680 5% 1/10W	
R854	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R855	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R856	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R857	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
SW851	1-771-884-31	SWITCH, TACTILE (TV/VIDEO)	
SW852	1-771-884-31	SWITCH, TACTILE (VOL -)	
SW853	1-771-884-31	SWITCH, TACTILE (VOL +)	
SW854	1-771-884-31	SWITCH, TACTILE (SEEK -)	
SW855	1-771-884-31	SWITCH, TACTILE (SEEK +)	
SW856	1-771-884-31	SWITCH, TACTILE (ANGLE)	

	A-1082-447-A	MAIN BOARD, COMPLETE (NTSC)	
	A-1082-639-A	MAIN BOARD, COMPLETE (PAL) *****	
*	3-018-410-01	REINFORCEMENT (PW)	
	7-685-792-09	SCREW +PTT 2.6X6 (S)	
		< CAPACITOR >	
C1001	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
C1002	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
C1003	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
C1004	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
C1005	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C1006	1-162-917-11	CERAMIC CHIP 15PF 5% 50V	
C1007	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C1008	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C1009	1-164-315-11	CERAMIC CHIP 470PF 5% 50V	
C1010	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C1011	1-164-315-11	CERAMIC CHIP 470PF 5% 50V	
C1012	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C1013	1-164-315-11	CERAMIC CHIP 470PF 5% 50V	
C1014	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C1015	1-164-315-11	CERAMIC CHIP 470PF 5% 50V	
C1016	1-164-230-11	CERAMIC CHIP 220PF 5% 50V	
C1017	1-164-230-11	CERAMIC CHIP 220PF 5% 50V	
C1018	1-164-230-11	CERAMIC CHIP 220PF 5% 50V	
C1019	1-164-230-11	CERAMIC CHIP 220PF 5% 50V	
C1020	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C1021	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C1022	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C1023	1-126-514-11	ELECT 22uF 20% 16V	
C1024	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
C1025	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C1026	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C1027	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	C1129	1-126-795-11	ELECT	10uF 20% 50V
C1028	1-162-967-11	CERAMIC CHIP	0.0033uF 10% 50V	C1130	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1029	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C1131	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1030	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	C1132	1-126-786-11	ELECT	47uF 20% 16V
C1031	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C1133	1-126-786-11	ELECT	47uF 20% 16V
C1032	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C1134	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1033	1-126-935-11	ELECT	470uF 20% 16V	C1135	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V
C1034	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C1136	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V
C1035	1-115-873-11	ELECT	3.3uF 20% 50V	C1137	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1036	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (PAL)	C1138	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1038	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C1139	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V
C1039	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C1140	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1041	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C1141	1-126-935-11	ELECT	470uF 20% 16V
C1042	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V	C1142	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V
C1043	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V	C1143	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1044	1-126-795-11	ELECT	10uF 20% 50V	C1201	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C1045	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C1202	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1046	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C1203	1-164-739-11	CERAMIC CHIP	560PF 5% 50V
C1047	1-126-795-11	ELECT	10uF 20% 50V	C1204	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1048	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C1205	1-124-779-00	ELECT CHIP	10uF 20% 16V
C1049	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	C1206	1-164-173-11	CERAMIC CHIP	0.0039uF 10% 50V
C1050	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C1207	1-126-794-11	ELECT	4.7uF 20% 50V
C1052	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C1251	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1053	1-104-700-11	CERAMIC CHIP	0.027uF 10% 16V	C1252	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1054	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	C1253	1-126-795-11	ELECT	10uF 20% 50V
C1055	1-110-563-11	CERAMIC CHIP	0.068uF 10% 16V	C1254	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1056	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C1255	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1057	1-126-795-11	ELECT	10uF 20% 50V	C1256	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1058	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V	C1257	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1101	1-115-566-11	CERAMIC CHIP	4.7uF 10% 10V	C1258	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C1102	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C1259	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C1103	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C1260	1-126-795-11	ELECT	10uF 20% 50V
C1104	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C1261	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1105	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C1262	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1106	1-126-794-11	ELECT	4.7uF 20% 50V	C1401	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C1107	1-126-794-11	ELECT	4.7uF 20% 50V	C1402	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1108	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1403	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1109	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1404	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C1110	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1405	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C1111	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1406	1-164-217-11	CERAMIC CHIP	150PF 5% 50V
C1112	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C1407	1-164-217-11	CERAMIC CHIP	150PF 5% 50V
C1113	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C1408	1-124-779-00	ELECT CHIP	10uF 20% 16V
C1114	1-126-794-11	ELECT	4.7uF 20% 50V	C1409	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1115	1-126-794-11	ELECT	4.7uF 20% 50V	C1410	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1116	1-126-933-11	ELECT	100uF 20% 16V	C1412	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C1117	1-126-933-11	ELECT	100uF 20% 16V	C1413	1-162-920-11	CERAMIC CHIP	27PF 5% 50V
C1118	1-126-786-11	ELECT	47uF 20% 16V	C1414	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1119	1-126-786-11	ELECT	47uF 20% 16V	C1415	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V
C1120	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1416	1-162-917-11	CERAMIC CHIP	15PF 5% 50V
C1121	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1417	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1122	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V	C1418	1-128-401-11	ELECT CHIP	100uF 20% 25V
C1123	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V	C1419	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C1124	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V	C1420	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C1125	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C1421	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C1126	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1422	1-164-230-11	CERAMIC CHIP	220PF 5% 50V
C1127	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1423	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
C1128	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V	C1424	1-162-923-11	CERAMIC CHIP	47PF 5% 50V

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C1425	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	C1901	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1426	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	C1902	1-126-933-11	ELECT	100uF 20% 16V
C1427	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V	C1903	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1428	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C1904	1-125-710-11	DOUBLE LAYER	0.1F 5.5V
C1451	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1905	1-126-933-11	ELECT	100uF 20% 16V
C1452	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1906	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1453	1-126-795-11	ELECT	10uF 20% 50V	C1907	1-126-795-11	ELECT	10uF 20% 50V
C1454	1-164-156-11	CERAMIC CHIP	0.1uF 25V	C1908	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1455	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V	C1909	1-126-933-11	ELECT	100uF 20% 16V
C1456	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V	C1910	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1457	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	C1912	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C1458	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V	C1914	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C1459	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V	C1915	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C1460	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C1916	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C1461	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C1917	1-126-794-11	ELECT	4.7uF 20% 50V
C1462	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1918	1-125-827-11	CERAMIC CHIP	1uF 10% 25V
C1463	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1919	1-165-822-11	CERAMIC CHIP	1uF 25V
C1464	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C1920	1-126-794-11	ELECT	4.7uF 20% 50V
C1465	1-128-528-11	ELECT	470uF 20% 25V	C1921	1-113-502-11	ELECT	3300uF 20% 16V
C1466	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C1922	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C1501	1-107-726-91	CERAMIC CHIP	0.01uF 10% 16V	< CONNECTOR/JACK >			
C1502	1-164-156-11	CERAMIC CHIP	0.1uF 25V	CN1101	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
C1503	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	CN1102	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P	
C1504	1-126-795-11	ELECT	10uF 20% 50V	CN1103	1-770-622-21	PIN, CONNECTOR 5P	
C1505	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	CN1104	1-770-623-21	PIN, CONNECTOR 6P	
C1506	1-126-795-11	ELECT	10uF 20% 50V	CN1401	1-793-598-11	JACK (ANT) (ANTENNA IN)	
C1507	1-126-795-11	ELECT	10uF 20% 50V	CN1402	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
C1508	1-164-156-11	CERAMIC CHIP	0.1uF 25V	* CN1501	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
C1509	1-126-933-11	ELECT	100uF 20% 16V	CN1502	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
C1510	1-126-786-11	ELECT	47uF 20% 16V	* CN1601	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P	
C1511	1-126-795-11	ELECT	10uF 20% 50V	CN1701	1-770-625-21	PIN, CONNECTOR 8P	
C1512	1-126-795-11	ELECT	10uF 20% 50V	CN1851	1-778-652-11	CONNECTOR, FFC (ZIF) 50P	
C1513	1-126-786-11	ELECT	47uF 20% 16V	CN1901	1-778-885-11	CONNECTOR, MULTIPLE LOCK	
C1514	1-126-795-11	ELECT	10uF 20% 50V	< TRIMMER >			
C1515	1-164-156-11	CERAMIC CHIP	0.1uF 25V	CT1001	1-141-322-11	CAP, CHIP TYPE TRIMMER	
C1516	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	< DIODE >			
C1517	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	D1001	6-500-937-01	DIODE RN142STE61	
C1518	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	D1002	6-500-937-01	DIODE RN142STE61	
C1519	1-126-935-11	ELECT	470uF 20% 16V	D1003	6-500-937-01	DIODE RN142STE61	
C1520	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D1004	6-500-937-01	DIODE RN142STE61	
C1521	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D1101	8-719-016-73	DIODE STZ6.8T	
C1522	1-125-827-11	CERAMIC CHIP	1uF 10% 25V	D1102	8-719-016-73	DIODE STZ6.8T	
C1601	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D1103	8-719-016-73	DIODE STZ6.8T	
C1602	1-125-827-11	CERAMIC CHIP	1uF 10% 25V	D1104	8-719-016-73	DIODE STZ6.8T	
C1603	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	D1105	8-719-016-73	DIODE STZ6.8T	
C1604	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D1106	8-719-016-73	DIODE STZ6.8T	
C1605	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D1109	8-719-016-73	DIODE STZ6.8T	
C1701	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	D1110	8-719-016-73	DIODE STZ6.8T	
C1702	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D1111	8-719-988-61	DIODE 1SS355TE-17	
C1703	1-164-315-11	CERAMIC CHIP	470PF 5% 50V	D1112	8-719-988-61	DIODE 1SS355TE-17	
C1704	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D1113	8-719-988-61	DIODE 1SS355TE-17	
C1705	1-162-920-11	CERAMIC CHIP	27PF 5% 50V	D1114	8-719-988-61	DIODE 1SS355TE-17	
C1706	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	D1401	8-719-076-71	DIODE KV1471ETR	
C1707	1-126-933-11	ELECT	100uF 20% 16V	D1402	8-719-988-61	DIODE 1SS355TE-17	
C1708	1-164-156-11	CERAMIC CHIP	0.1uF 25V				
C1709	1-164-156-11	CERAMIC CHIP	0.1uF 25V				
C1710	1-164-156-11	CERAMIC CHIP	0.1uF 25V				
C1711	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D1501	8-719-988-61	DIODE 1SS355TE-17		IC1904	6-707-131-01	IC BD3941FP-E2	
D1502	8-719-988-61	DIODE 1SS355TE-17		IC1905	6-702-873-01	IC NJM2396F09	
D1503	8-719-988-61	DIODE 1SS355TE-17		IC1906	6-706-999-01	IC BA09CCOWFP-E2	
D1504	8-719-988-61	DIODE 1SS355TE-17				< JACK >	
D1505	8-719-422-16	DIODE MA8039-L-TX		J1001	1-817-982-11	JACK (SMD) (ANT IN 1)	
D1506	8-719-016-73	DIODE STZ6.8T		J1002	1-817-982-11	JACK (SMD) (ANT IN 2)	
D1507	8-719-016-73	DIODE STZ6.8T		J1003	1-817-982-11	JACK (SMD) (ANT IN 3)	
D1508	8-719-016-73	DIODE STZ6.8T		J1004	1-817-982-11	JACK (SMD) (ANT IN 4)	
D1509	8-719-016-73	DIODE STZ6.8T				< COIL >	
D1601	8-719-056-93	DIODE UDZ-TE-17-18B		L1001	1-412-932-21	INDUCTOR 0.27uH	
D1602	8-719-056-93	DIODE UDZ-TE-17-18B		L1002	1-412-932-21	INDUCTOR 0.27uH	
D1603	8-719-056-93	DIODE UDZ-TE-17-18B		L1003	1-412-932-21	INDUCTOR 0.27uH	
D1604	8-719-056-93	DIODE UDZ-TE-17-18B		L1004	1-412-932-21	INDUCTOR 0.27uH	
D1605	8-719-421-27	DIODE MA728		L1005	1-414-920-21	INDUCTOR 220nH	
D1606	8-719-421-27	DIODE MA728		L1006	1-414-920-21	INDUCTOR 220nH	
D1607	8-719-421-27	DIODE MA728		L1007	1-414-920-21	INDUCTOR 220nH	
D1608	8-719-056-93	DIODE UDZ-TE-17-18B		L1008	1-414-920-21	INDUCTOR 220nH	
D1701	8-719-988-61	DIODE 1SS355TE-17		L1009	1-412-947-11	INDUCTOR 4.7uH	
D1702	8-719-988-61	DIODE 1SS355TE-17		L1010	1-469-555-21	INDUCTOR 10uH	
D1901	8-719-977-03	DIODE DTZ5.6B		L1011	1-412-030-11	INDUCTOR 22uH	
D1902	8-719-022-90	DIODE MA8160-M		L1101	1-469-555-21	INDUCTOR 10uH	
D1903	8-719-420-90	DIODE MA8051-M		L1102	1-469-557-21	INDUCTOR 22uH	
D1904	8-719-914-43	DIODE DAN202K		L1103	1-469-557-21	INDUCTOR 22uH	
D1906	8-719-988-61	DIODE 1SS355TE-17		L1104	1-469-555-21	INDUCTOR 10uH	
D1909	8-719-988-61	DIODE 1SS355TE-17		L1105	1-469-555-21	INDUCTOR 10uH	
D1911	8-719-049-38	DIODE 1N5404TU		L1106	1-414-920-21	INDUCTOR 220nH	
D1912	8-719-988-61	DIODE 1SS355TE-17		L1107	1-414-920-21	INDUCTOR 220nH	
		< FUSE >		L1108	1-414-920-21	INDUCTOR 220nH	
F1854	1-576-842-21	FUSE, MICRO (0.63A/32V)		L1109	1-414-920-21	INDUCTOR 220nH	
F1855	1-576-415-21	FUSE (2A/32V)		L1201	1-469-555-21	INDUCTOR 10uH	
F1856	1-576-415-21	FUSE (2A/32V)		L1251	1-469-557-21	INDUCTOR 22uH	
		< IC >		L1252	1-469-557-21	INDUCTOR 22uH	
IC1001	6-706-165-01	IC CM0035AM		L1401	1-410-997-42	INDUCTOR 2.2uH	
IC1002	8-759-246-44	IC TA2005SN		L1402	1-414-481-11	INDUCTOR 68nH	
IC1003	8-759-697-21	IC NJM4565V (TE2)		L1403	1-469-432-21	INDUCTOR 100nH	
IC1101	8-759-048-67	IC BA3121F		L1404	1-410-997-42	INDUCTOR 2.2uH	
IC1102	8-759-048-67	IC BA3121F		L1451	1-469-557-21	INDUCTOR 22uH	
IC1103	8-759-567-33	IC MM1225XFBE		L1501	1-469-557-21	INDUCTOR 22uH	
IC1104	8-759-677-33	IC MM1228XFBE		L1502	1-469-557-21	INDUCTOR 22uH	
IC1105	6-706-938-01	IC NJM2526V (TE2)		L1503	1-469-557-21	INDUCTOR 22uH	
IC1201	8-759-432-75	IC MM1108XFBE		L1504	1-469-555-21	INDUCTOR 10uH	
IC1251	8-759-833-99	IC MC74HC4052ADTR2		L1701	1-469-557-21	INDUCTOR 22uH	
IC1252	8-759-697-21	IC NJM4565V (TE2)		L1901	1-456-141-11	COIL, CHOKE 300uH	
IC1401	8-759-680-25	IC BH1415F-E2				< TRANSISTOR >	
IC1451	6-706-078-01	IC M62429FP-TP		Q1001	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC1452	8-759-669-27	IC AN7511		Q1002	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC1501	8-759-697-21	IC NJM4565V (TE2)		Q1003	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC1502	8-759-048-67	IC BA3121F		Q1251	8-729-027-59	TRANSISTOR DTC144EKA-T146	
IC1503	8-759-677-33	IC MM1228XFBE		Q1252	8-729-027-59	TRANSISTOR DTC144EKA-T146	
IC1601	8-759-829-46	IC BA8272AFV-E2		Q1401	8-729-920-21	TRANSISTOR DTC314TK-T-146	
IC1701	6-804-984-01	IC M38B79FFFP-A201		Q1402	8-729-920-21	TRANSISTOR DTC314TK-T-146	
IC1702	6-703-998-01	IC BR24L16FV-WE2		Q1403	8-729-920-21	TRANSISTOR DTC314TK-T-146	
IC1703	8-759-058-62	IC TC7S08FU (TE85R)		Q1404	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC1901	8-759-052-52	IC L78M05T-FA		Q1405	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC1902	6-705-539-01	IC PST3435UL					
IC1903	6-706-162-01	IC BA05CCOWFP-E2					

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MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q1406	8-729-106-60	TRANSISTOR	2SB1115A-YQ	R1038	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
Q1407	8-729-901-00	TRANSISTOR	DTC124EK				(NTSC)
Q1451	8-729-920-21	TRANSISTOR	DTC314TK-T-146	R1038	1-216-832-11	METAL CHIP	8.2K 5% 1/10W
Q1501	8-729-053-84	FET	SSM3K09FU (T5LSONY1)				(PAL)
Q1502	8-729-020-67	TRANSISTOR	XN1A312-TX	R1039	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
							(PAL)
Q1503	8-729-920-21	TRANSISTOR	DTC314TK-T-146	R1039	1-216-837-11	METAL CHIP	22K 5% 1/10W
Q1504	8-729-920-21	TRANSISTOR	DTC314TK-T-146				(NTSC)
Q1601	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R1040	1-216-835-11	METAL CHIP	15K 5% 1/10W
Q1701	8-729-027-23	TRANSISTOR	DTA114EKA-T146	R1041	1-216-834-11	METAL CHIP	12K 5% 1/10W
Q1702	8-729-027-38	TRANSISTOR	DTA144EKA-T146	R1042	1-216-833-11	METAL CHIP	10K 5% 1/10W
				R1043	1-216-835-11	METAL CHIP	15K 5% 1/10W
Q1851	6-551-121-01	FET	ECH8305-TL-E				
Q1852	8-729-027-59	TRANSISTOR	DTC144EKA-T146	R1044	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q1901	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R1045	1-216-797-11	METAL CHIP	10 5% 1/10W
Q1902	8-729-027-59	TRANSISTOR	DTC144EKA-T146	R1047	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q1903	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R1048	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
				R1049	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q1904	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q1905	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R1050	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q1906	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R1051	1-216-822-11	METAL CHIP	1.2K 5% 1/10W
				R1052	1-216-833-11	METAL CHIP	10K 5% 1/10W
		< RESISTOR >		R1053	1-216-837-11	METAL CHIP	22K 5% 1/10W
R1001	1-216-834-11	METAL CHIP	12K 5% 1/10W	R1054	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1002	1-216-837-11	METAL CHIP	22K 5% 1/10W				
R1003	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R1058	1-216-864-11	SHORT CHIP	0
R1004	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R1060	1-216-797-11	METAL CHIP	10 5% 1/10W
R1005	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R1101	1-218-285-11	METAL CHIP	75 5% 1/10W
				R1102	1-218-285-11	METAL CHIP	75 5% 1/10W
R1006	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R1103	1-218-285-11	METAL CHIP	75 5% 1/10W
R1007	1-216-839-11	METAL CHIP	33K 5% 1/10W				
R1008	1-216-809-11	METAL CHIP	100 5% 1/10W	R1104	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1009	1-216-809-11	METAL CHIP	100 5% 1/10W	R1105	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1010	1-216-809-11	METAL CHIP	100 5% 1/10W	R1106	1-216-817-11	METAL CHIP	470 5% 1/10W
				R1107	1-216-817-11	METAL CHIP	470 5% 1/10W
R1011	1-216-809-11	METAL CHIP	100 5% 1/10W	R1108	1-216-836-11	METAL CHIP	18K 5% 1/10W
R1012	1-216-817-11	METAL CHIP	470 5% 1/10W				
R1013	1-216-817-11	METAL CHIP	470 5% 1/10W	R1109	1-216-836-11	METAL CHIP	18K 5% 1/10W
R1014	1-216-817-11	METAL CHIP	470 5% 1/10W	R1110	1-216-836-11	METAL CHIP	18K 5% 1/10W
R1015	1-216-817-11	METAL CHIP	470 5% 1/10W	R1111	1-216-836-11	METAL CHIP	18K 5% 1/10W
				R1112	1-216-837-11	METAL CHIP	22K 5% 1/10W
R1016	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1113	1-216-837-11	METAL CHIP	22K 5% 1/10W
R1017	1-216-833-11	METAL CHIP	10K 5% 1/10W				
R1018	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1114	1-216-837-11	METAL CHIP	22K 5% 1/10W
R1019	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1115	1-216-837-11	METAL CHIP	22K 5% 1/10W
R1020	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1116	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R1117	1-218-285-11	METAL CHIP	75 5% 1/10W
R1021	1-216-864-11	SHORT CHIP	0 (PAL)	R1118	1-216-864-11	SHORT CHIP	0
R1022	1-216-841-11	METAL CHIP	47K 5% 1/10W				
R1023	1-216-809-11	METAL CHIP	100 5% 1/10W	R1119	1-216-864-11	SHORT CHIP	0
R1024	1-216-864-11	SHORT CHIP	0	R1120	1-216-864-11	SHORT CHIP	0
R1025	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R1121	1-216-864-11	SHORT CHIP	0
				R1201	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1026	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R1202	1-216-851-11	METAL CHIP	330K 5% 1/10W
R1027	1-216-813-11	METAL CHIP	220 5% 1/10W				
R1028	1-216-813-11	METAL CHIP	220 5% 1/10W	R1203	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1029	1-216-864-11	SHORT CHIP	0	R1204	1-216-844-11	METAL CHIP	82K 5% 1/10W
R1030	1-216-864-11	SHORT CHIP	0	R1205	1-216-845-11	METAL CHIP	100K 5% 1/10W
				R1206	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1031	1-216-813-11	METAL CHIP	220 5% 1/10W	R1251	1-216-841-11	METAL CHIP	47K 5% 1/10W
			(PAL)				
R1032	1-216-813-11	METAL CHIP	220 5% 1/10W	R1252	1-216-841-11	METAL CHIP	47K 5% 1/10W
R1033	1-216-813-11	METAL CHIP	220 5% 1/10W	R1253	1-216-841-11	METAL CHIP	47K 5% 1/10W
R1034	1-216-809-11	METAL CHIP	100 5% 1/10W	R1254	1-216-841-11	METAL CHIP	47K 5% 1/10W
R1035	1-216-809-11	METAL CHIP	100 5% 1/10W	R1255	1-216-837-11	METAL CHIP	22K 5% 1/10W
				R1256	1-216-837-11	METAL CHIP	22K 5% 1/10W
R1036	1-216-813-11	METAL CHIP	220 5% 1/10W				
R1037	1-216-813-11	METAL CHIP	220 5% 1/10W	R1257	1-216-837-11	METAL CHIP	22K 5% 1/10W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R1258	1-216-837-11	METAL CHIP	22K 5% 1/10W	R1602	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1401	1-216-841-11	METAL CHIP	47K 5% 1/10W	R1603	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1402	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R1604	1-216-841-11	METAL CHIP	47K 5% 1/10W
R1403	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R1605	1-216-841-11	METAL CHIP	47K 5% 1/10W
R1404	1-216-841-11	METAL CHIP	47K 5% 1/10W	R1606	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R1405	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R1702	1-216-845-11	METAL CHIP	100K 5% 1/10W
R1406	1-216-824-11	METAL CHIP	1.8K 5% 1/10W	R1703	1-216-845-11	METAL CHIP	100K 5% 1/10W
R1407	1-216-837-11	METAL CHIP	22K 5% 1/10W	R1704	1-216-845-11	METAL CHIP	100K 5% 1/10W
R1409	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1706	1-216-845-11	METAL CHIP	100K 5% 1/10W
R1410	1-216-826-11	METAL CHIP	2.7K 5% 1/10W	R1708	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R1411	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1709	1-216-864-11	SHORT CHIP	0
R1412	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1710	1-216-809-11	METAL CHIP	100 5% 1/10W
R1413	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1711	1-216-809-11	METAL CHIP	100 5% 1/10W
R1414	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1712	1-216-809-11	METAL CHIP	100 5% 1/10W
R1415	1-216-809-11	METAL CHIP	100 5% 1/10W	R1713	1-216-809-11	METAL CHIP	100 5% 1/10W
R1416	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1714	1-216-809-11	METAL CHIP	100 5% 1/10W
R1417	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	R1715	1-216-809-11	METAL CHIP	100 5% 1/10W
R1419	1-216-815-11	METAL CHIP	330 5% 1/10W	R1716	1-216-809-11	METAL CHIP	100 5% 1/10W
R1420	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	R1717	1-216-809-11	METAL CHIP	100 5% 1/10W
R1422	1-216-830-11	METAL CHIP	5.6K 5% 1/10W	R1718	1-216-809-11	METAL CHIP	100 5% 1/10W
R1423	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1719	1-216-809-11	METAL CHIP	100 5% 1/10W
R1424	1-216-817-11	METAL CHIP	470 5% 1/10W				(PAL)
R1425	1-216-801-11	METAL CHIP	22 5% 1/10W	R1720	1-216-809-11	METAL CHIP	100 5% 1/10W
R1426	1-216-808-11	METAL CHIP	82 5% 1/10W	R1721	1-216-809-11	METAL CHIP	100 5% 1/10W
R1427	1-216-845-11	METAL CHIP	100K 5% 1/10W	R1722	1-216-809-11	METAL CHIP	100 5% 1/10W
R1428	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R1723	1-216-809-11	METAL CHIP	100 5% 1/10W
R1451	1-216-864-11	SHORT CHIP	0	R1724	1-216-809-11	METAL CHIP	100 5% 1/10W
R1452	1-216-864-11	SHORT CHIP	0	R1725	1-216-809-11	METAL CHIP	100 5% 1/10W
R1456	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R1726	1-216-809-11	METAL CHIP	100 5% 1/10W
R1457	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R1727	1-216-809-11	METAL CHIP	100 5% 1/10W
R1458	1-216-295-00	SHORT CHIP	0	R1728	1-216-809-11	METAL CHIP	100 5% 1/10W
R1459	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R1729	1-216-809-11	METAL CHIP	100 5% 1/10W
R1460	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1730	1-216-809-11	METAL CHIP	100 5% 1/10W
R1461	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R1731	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R1462	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R1732	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R1463	1-216-813-11	METAL CHIP	220 5% 1/10W	R1733	1-216-809-11	METAL CHIP	100 5% 1/10W
R1464	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1734	1-216-809-11	METAL CHIP	100 5% 1/10W
R1465	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1735	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1466	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1736	1-216-809-11	METAL CHIP	100 5% 1/10W
R1467	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1737	1-216-809-11	METAL CHIP	100 5% 1/10W
R1468	1-216-864-11	SHORT CHIP	0	R1738	1-218-716-11	METAL CHIP	10K 0.5% 1/10W
R1470	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1739	1-216-841-11	METAL CHIP	47K 5% 1/10W
R1501	1-216-841-11	METAL CHIP	47K 5% 1/10W	R1740	1-216-809-11	METAL CHIP	100 5% 1/10W
R1502	1-216-841-11	METAL CHIP	47K 5% 1/10W	R1741	1-216-809-11	METAL CHIP	100 5% 1/10W
R1503	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R1742	1-216-809-11	METAL CHIP	100 5% 1/10W
R1504	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1743	1-216-809-11	METAL CHIP	100 5% 1/10W
R1505	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1744	1-216-809-11	METAL CHIP	100 5% 1/10W
R1506	1-216-835-11	METAL CHIP	15K 5% 1/10W	R1746	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1507	1-216-835-11	METAL CHIP	15K 5% 1/10W	R1747	1-216-809-11	METAL CHIP	100 5% 1/10W
R1508	1-216-813-11	METAL CHIP	220 5% 1/10W	R1748	1-216-809-11	METAL CHIP	100 5% 1/10W
R1509	1-216-813-11	METAL CHIP	220 5% 1/10W	R1749	1-216-845-11	METAL CHIP	100K 5% 1/10W
R1510	1-216-809-11	METAL CHIP	100 5% 1/10W	R1750	1-216-809-11	METAL CHIP	100 5% 1/10W
R1511	1-216-845-11	METAL CHIP	100K 5% 1/10W	R1751	1-216-809-11	METAL CHIP	100 5% 1/10W
R1512	1-216-845-11	METAL CHIP	100K 5% 1/10W	R1753	1-216-809-11	METAL CHIP	100 5% 1/10W
R1513	1-216-805-11	METAL CHIP	47 5% 1/10W	R1754	1-216-845-11	METAL CHIP	100K 5% 1/10W
R1514	1-216-817-11	METAL CHIP	470 5% 1/10W	R1755	1-216-809-11	METAL CHIP	100 5% 1/10W
R1515	1-218-285-11	METAL CHIP	75 5% 1/10W	R1756	1-216-809-11	METAL CHIP	100 5% 1/10W
R1601	1-216-841-11	METAL CHIP	47K 5% 1/10W				

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MAIN MONITOR

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R1757	1-216-845-11	METAL CHIP	100K 5%	1/10W	R1901	1-216-849-11	METAL CHIP 220K 5% 1/10W
R1758	1-216-809-11	METAL CHIP	100 5%	1/10W	R1902	1-216-849-11	METAL CHIP 220K 5% 1/10W
R1759	1-216-809-11	METAL CHIP	100 5%	1/10W	R1903	1-216-821-11	METAL CHIP 1K 5% 1/10W
R1760	1-216-845-11	METAL CHIP	100K 5%	1/10W	R1904	1-216-821-11	METAL CHIP 1K 5% 1/10W
R1761	1-216-809-11	METAL CHIP	100 5%	1/10W	R1905	1-216-833-11	METAL CHIP 10K 5% 1/10W
R1762	1-216-809-11	METAL CHIP	100 5%	1/10W	R1906	1-216-699-11	METAL CHIP 100K 0.5% 1/10W
R1763	1-216-809-11	METAL CHIP	100 5%	1/10W	R1907	1-216-683-11	METAL CHIP 22K 0.5% 1/10W
R1764	1-216-845-11	METAL CHIP	100K 5%	1/10W	R1908	1-216-837-11	METAL CHIP 22K 5% 1/10W
R1765	1-216-809-11	METAL CHIP	100 5%	1/10W	R1909	1-216-829-11	METAL CHIP 4.7K 5% 1/10W
R1766	1-216-809-11	METAL CHIP	100 5%	1/10W	R1910	1-216-841-11	METAL CHIP 47K 5% 1/10W
R1767	1-216-845-11	METAL CHIP	100K 5%	1/10W (PAL)	R1911	1-216-845-11	METAL CHIP 100K 5% 1/10W
R1768	1-216-809-11	METAL CHIP	100 5%	1/10W	R1912	1-216-837-11	METAL CHIP 22K 5% 1/10W
R1769	1-216-845-11	METAL CHIP	100K 5%	1/10W (NTSC)	R1915	1-216-841-11	METAL CHIP 47K 5% 1/10W
R1770	1-216-845-11	METAL CHIP	100K 5%	1/10W	R1916	1-216-845-11	METAL CHIP 100K 5% 1/10W
R1771	1-216-809-11	METAL CHIP	100 5%	1/10W	R1917	1-216-073-00	RES-CHIP 10K 5% 1/10W
R1773	1-216-809-11	METAL CHIP	100 5%	1/10W	R1918	1-216-073-00	RES-CHIP 10K 5% 1/10W
R1774	1-216-809-11	METAL CHIP	100 5%	1/10W	R1919	1-216-073-00	RES-CHIP 10K 5% 1/10W
R1775	1-216-845-11	METAL CHIP	100K 5%	1/10W	R1920	1-216-073-00	RES-CHIP 10K 5% 1/10W
R1776	1-216-809-11	METAL CHIP	100 5%	1/10W	R1921	1-216-057-00	RES-CHIP 2.2K 5% 1/10W
R1777	1-216-845-11	METAL CHIP	100K 5%	1/10W	R1922	1-216-057-00	RES-CHIP 2.2K 5% 1/10W
R1778	1-216-809-11	METAL CHIP	100 5%	1/10W	R1923	1-216-073-00	RES-CHIP 10K 5% 1/10W
R1779	1-216-809-11	METAL CHIP	100 5%	1/10W	R1924	1-216-073-00	RES-CHIP 10K 5% 1/10W
R1781	1-216-809-11	METAL CHIP	100 5%	1/10W			< RELAY >
R1782	1-216-809-11	METAL CHIP	100 5%	1/10W	RY1401	1-755-184-21	RELAY
R1783	1-216-809-11	METAL CHIP	100 5%	1/10W			< TUNER UNIT >
R1784	1-216-809-11	METAL CHIP	100 5%	1/10W	TU1001	1-693-647-11	TUNER, TV (PAL) (PAL)
R1785	1-216-809-11	METAL CHIP	100 5%	1/10W	TU1001	1-693-648-11	TUNER, TV (USCH NTSC) (NTSC)
R1786	1-216-809-11	METAL CHIP	100 5%	1/10W			< VIBRATOR >
R1787	1-216-809-11	METAL CHIP	100 5%	1/10W	X1401	1-813-295-21	VIBRATOR, CRYSTAL (7.6MHz)
R1788	1-216-809-11	METAL CHIP	100 5%	1/10W	X1701	1-567-861-11	VIBRATOR, CRYSTAL (4.19MHz)
R1789	1-216-809-11	METAL CHIP	100 5%	1/10W	*****		
R1790	1-216-809-11	METAL CHIP	100 5%	1/10W	A-1082-442-A	MONITOR BOARD, COMPLETE	
R1791	1-216-809-11	METAL CHIP	100 5%	1/10W		*****	
R1792	1-216-809-11	METAL CHIP	100 5%	1/10W		< CAPACITOR >	
R1793	1-216-809-11	METAL CHIP	100 5%	1/10W	C101	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V
R1794	1-216-809-11	METAL CHIP	100 5%	1/10W	C102	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V
R1795	1-216-809-11	METAL CHIP	100 5%	1/10W	C103	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V
R1796	1-216-809-11	METAL CHIP	100 5%	1/10W	C104	1-164-816-11	CERAMIC CHIP 220PF 2% 50V
R1797	1-216-809-11	METAL CHIP	100 5%	1/10W	C105	1-164-816-11	CERAMIC CHIP 220PF 2% 50V
R1798	1-216-809-11	METAL CHIP	100 5%	1/10W	C106	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V
R1799	1-216-809-11	METAL CHIP	100 5%	1/10W	C107	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V
R1800	1-216-809-11	METAL CHIP	100 5%	1/10W	C108	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V
R1801	1-216-809-11	METAL CHIP	100 5%	1/10W	C140	1-165-897-11	TANTALUM CHIP 22uF 20% 10V
R1802	1-216-809-11	METAL CHIP	100 5%	1/10W	C141	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V
R1803	1-216-809-11	METAL CHIP	100 5%	1/10W	C202	1-135-960-91	CERAMIC CHIP 10uF 10% 25V
R1805	1-216-837-11	METAL CHIP	22K 5%	1/10W	C206	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V
R1806	1-216-837-11	METAL CHIP	22K 5%	1/10W	C208	1-135-960-91	CERAMIC CHIP 10uF 10% 25V
R1807	1-216-837-11	METAL CHIP	22K 5%	1/10W	C209	1-164-816-11	CERAMIC CHIP 220PF 2% 50V
R1808	1-216-837-11	METAL CHIP	22K 5%	1/10W	C210	1-164-315-11	CERAMIC CHIP 470PF 5% 50V
R1809	1-216-845-11	METAL CHIP	100K 5%	1/10W	C211	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V
R1810	1-216-845-11	METAL CHIP	100K 5%	1/10W	C213	1-165-849-91	TANTALUM CHIP 100uF 20% 10V
R1811	1-216-845-11	METAL CHIP	100K 5%	1/10W	C214	1-164-156-11	CERAMIC CHIP 0.1uF 25V
R1812	1-216-845-11	METAL CHIP	100K 5%	1/10W	C222	1-135-960-91	CERAMIC CHIP 10uF 10% 25V
R1813	1-216-845-11	METAL CHIP	100K 5%	1/10W			
R1814	1-216-809-11	METAL CHIP	100 5%	1/10W			
R1815	1-216-829-11	METAL CHIP	4.7K 5%	1/10W			

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C226	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C435	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C228	1-135-960-91	CERAMIC CHIP	10uF	10%	25V	C436	1-107-686-11	TANTALUM CHIP	4.7uF	20%	16V
C229	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	C437	1-165-897-11	TANTALUM CHIP	22uF	20%	10V
C230	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	C438	1-165-897-11	TANTALUM CHIP	22uF	20%	10V
C231	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	C440	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C233	1-119-751-11	TANTALUM CHIP	22uF	20%	16V	C441	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C442	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C251	1-164-506-11	CERAMIC CHIP	4.7uF		16V	C443	1-117-370-11	CERAMIC CHIP	10uF		10V
C252	1-162-922-11	CERAMIC CHIP	39PF	5%	50V	C444	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C253	1-135-960-91	CERAMIC CHIP	10uF	10%	25V	C445	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C254	1-125-827-11	CERAMIC CHIP	1uF	10%	25V	C446	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C255	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	C447	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C256	1-125-827-11	CERAMIC CHIP	1uF	10%	25V	C448	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C257	1-125-827-11	CERAMIC CHIP	1uF	10%	25V	C449	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C258	1-135-960-91	CERAMIC CHIP	10uF	10%	25V	C451	1-100-848-91	TANTALUM CHIP	33uF	20%	25V
C259	1-135-960-91	CERAMIC CHIP	10uF	10%	25V	C452	1-125-827-11	CERAMIC CHIP	1uF	10%	25V
C271	1-164-506-11	CERAMIC CHIP	4.7uF		16V	C453	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C272	1-162-922-11	CERAMIC CHIP	39PF	5%	50V	C454	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C273	1-135-960-91	CERAMIC CHIP	10uF	10%	25V	C455	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C274	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	C456	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C275	1-125-827-11	CERAMIC CHIP	1uF	10%	25V	C481	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C276	1-119-751-11	TANTALUM CHIP	22uF	20%	16V	C482	1-119-751-11	TANTALUM CHIP	22uF	20%	16V
C277	1-119-751-11	TANTALUM CHIP	22uF	20%	16V	C483	1-165-897-11	TANTALUM CHIP	22uF	20%	10V
C401	1-117-370-11	CERAMIC CHIP	10uF		10V	C484	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C402	1-117-370-11	CERAMIC CHIP	10uF		10V	C487	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C403	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C492	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C404	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C497	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C405	1-165-897-11	TANTALUM CHIP	22uF	20%	10V	C601	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C406	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C602	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C407	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C603	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C408	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C604	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C409	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V	C605	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C410	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V	C606	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C411	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C607	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C412	1-119-751-11	TANTALUM CHIP	22uF	20%	16V	C608	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C413	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V	C609	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C414	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V	C611	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C415	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V	C612	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C416	1-165-897-11	TANTALUM CHIP	22uF	20%	10V	C613	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C417	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V	C614	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C418	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V	C615	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C419	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C616	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C420	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C617	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C421	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V	C618	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C422	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V	C619	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C423	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	C620	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C424	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	C621	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C425	1-162-920-11	CERAMIC CHIP	27PF	5%	50V	C651	1-165-947-91	CERAMIC CHIP	2.2uF	10%	25V
C426	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C652	1-165-947-91	CERAMIC CHIP	2.2uF	10%	25V
C427	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C653	1-131-961-91	CERAMIC CHIP	18PF	10%	3KV
C428	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C654	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C429	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C655	1-131-961-91	CERAMIC CHIP	18PF	10%	3KV
C430	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C656	1-164-730-11	CERAMIC CHIP	0.0012uF	10%	50V
C431	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V	C657	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C432	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C658	1-135-785-91	CERAMIC CHIP	100PF	10%	2KV
C433	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	C659	1-135-785-91	CERAMIC CHIP	100PF	10%	2KV
C434	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V	C801	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C803	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

MONITOR

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C821	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V			< FILTER >	
C822	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V				
C901	1-165-897-11	TANTALUM CHIP	22uF 20% 10V	E901	1-234-562-21	FILTER, EMI REMOVAL (SMD)	
C902	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	E902	1-234-562-21	FILTER, EMI REMOVAL (SMD)	
C903	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V			< FUSE >	
C904	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V				
C905	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	F201	1-576-647-11	FUSE (0.2A/50V)	
C906	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	F202	1-576-875-11	FUSE (0.1A/24V)	
C951	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	F203	1-576-647-11	FUSE (0.2A/50V)	
C952	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V	F602	1-576-415-21	FUSE (2A/32V)	
C953	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V			< SHORT >	
C954	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V				
C955	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB201	1-216-295-00	SHORT CHIP	0
C956	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB221	1-216-295-00	SHORT CHIP	0
C957	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB901	1-216-864-11	SHORT CHIP	0
C958	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB951	1-216-864-11	SHORT CHIP	0
C959	1-117-370-11	CERAMIC CHIP	10uF 10V			< IC >	
C982	1-135-960-91	CERAMIC CHIP	10uF 10% 25V				
C985	1-135-960-91	CERAMIC CHIP	10uF 10% 25V	IC101	6-804-983-01	IC M37151MA-073FP	
C987	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC102	6-703-998-01	IC BR24L16FV-WE2	
C988	1-165-897-11	TANTALUM CHIP	22uF 20% 10V	IC201	8-759-485-77	IC BA9743AFV-E2	
C989	1-165-897-11	TANTALUM CHIP	22uF 20% 10V	IC251	6-702-207-01	IC TK11850L	
C990	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC271	6-702-207-01	IC TK11850L	
C991	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V				
C992	1-127-760-11	CERAMIC CHIP	4.7uF 10% 6.3V	IC401	6-704-269-01	IC AN2546FH-AV	
C993	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	IC402	8-759-829-76	IC TAR5S30 (TE85R)	
		< CONNECTOR >		IC403	8-759-565-20	IC TDA4665T/V5-118	
CN101	1-770-741-21	CONNECTOR, FFC/FPC 32P		IC404	8-759-679-57	IC SN74LVC00APWR	
CN102	1-780-112-11	TERMINAL, CONTACT		IC405	8-759-649-48	IC SN74AHC1G32DCKR	
CN103	1-780-112-11	TERMINAL, CONTACT					
* CN601	1-766-311-21	PIN, CONNECTOR (PC BOARD) 2P		IC451	8-759-697-21	IC NJM4565V (TE2)	
CN602	1-780-112-11	TERMINAL, CONTACT		IC481	6-700-571-01	IC TK15452V	
CN603	1-780-112-11	TERMINAL, CONTACT		IC601	6-707-126-01	IC OZ9641SN-C-0-T2	
CN604	1-694-766-21	TERMINAL (ONBOARD CONTACT)		IC901	6-707-015-01	IC 70IC01A	
CN821	1-766-646-21	CONNECTOR, FFC/FPC 10P		IC951	8-759-669-75	IC TLC2932IPWR	
CN901	1-770-741-21	CONNECTOR, FFC/FPC 32P					
		< DIODE >		IC952	8-759-278-58	IC NJM4558V-TE2	
D104	8-719-056-83	DIODE UDZ-TE-17-6.8B		IC953	8-759-278-58	IC NJM4558V-TE2	
D105	8-719-078-81	DIODE DF5A6.8FU (TE85R)		IC954	8-759-833-99	IC MC74HC4052ADTR2	
D106	8-719-056-83	DIODE UDZ-TE-17-6.8B				< COIL/SHORT >	
D201	8-719-081-34	DIODE RB160M-30TR		L140	1-412-032-11	INDUCTOR	100uH
D221	8-719-081-34	DIODE RB160M-30TR		L201	1-400-248-21	INDUCTOR	33uH
D251	6-500-219-01	DIODE 1SS404 (TPH3)		L221	1-400-248-21	INDUCTOR	33uH
D252	6-500-219-01	DIODE 1SS404 (TPH3)		L251	1-456-947-11	INDUCTOR	15uH
D253	6-500-219-01	DIODE 1SS404 (TPH3)		L252	1-412-032-11	INDUCTOR	100uH
D254	8-719-404-50	DIODE MA111-TX					
D271	6-500-219-01	DIODE 1SS404 (TPH3)		L271	1-456-947-11	INDUCTOR	15uH
D401	8-719-941-86	DIODE DAN202U		L272	1-412-032-11	INDUCTOR	100uH
D601	8-719-988-61	DIODE 1SS355TE-17		L401	1-412-031-11	INDUCTOR	47uH
D602	8-719-420-90	DIODE MA8051-M		L402	1-414-402-11	INDUCTOR	47uH
D603	8-719-420-90	DIODE MA8051-M		L403	1-412-032-11	INDUCTOR	100uH
D651	8-719-987-69	DIODE DAN217					
D652	8-719-987-69	DIODE DAN217		L404	1-412-031-11	INDUCTOR	47uH
D653	8-719-988-61	DIODE 1SS355TE-17		L441	1-412-031-11	INDUCTOR	47uH
D801	8-719-056-83	DIODE UDZ-TE-17-6.8B		L451	1-412-031-11	INDUCTOR	47uH
D821	8-719-977-03	DIODE DTZ5.6B		L481	1-216-296-11	SHORT CHIP	0
				L482	1-412-031-11	INDUCTOR	47uH
				L601	1-456-579-11	INDUCTOR	47uH
				L901	1-412-031-11	INDUCTOR	47uH
				L951	1-412-031-11	INDUCTOR	47uH
				L981	1-412-032-11	INDUCTOR	100uH
				L982	1-412-032-11	INDUCTOR	100uH

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
L983	1-412-032-11	INDUCTOR	100uH	R144	1-216-864-11	SHORT CHIP	0
L984	1-412-032-11	INDUCTOR	100uH	R151	1-216-809-11	METAL CHIP	100 5% 1/10W
		< LED >		R152	1-216-809-11	METAL CHIP	100 5% 1/10W
LED801	6-500-895-01	LED CL-270UB2-X-TS (ILLUMINATION)		R153	1-216-809-11	METAL CHIP	100 5% 1/10W
LED802	6-500-895-01	LED CL-270UB2-X-TS (ILLUMINATION)		R154	1-216-809-11	METAL CHIP	100 5% 1/10W
LED803	6-500-895-01	LED CL-270UB2-X-TS (ILLUMINATION)		R201	1-216-817-11	METAL CHIP	470 5% 1/10W
		< TRANSISTOR >		R202	1-216-817-11	METAL CHIP	470 5% 1/10W
Q101	8-729-905-35	TRANSISTOR	2SC4081-R	R203	1-216-864-11	SHORT CHIP	0
Q102	8-729-905-35	TRANSISTOR	2SC4081-R	R206	1-218-716-11	METAL CHIP	10K 0.5% 1/10W
Q201	8-729-143-43	TRANSISTOR	2SA1463IK	R207	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q221	8-729-143-43	TRANSISTOR	2SA1463IK	R208	1-218-716-11	METAL CHIP	10K 0.5% 1/10W
Q401	8-729-905-35	TRANSISTOR	2SC4081-R	R209	1-218-727-11	METAL CHIP	30K 0.5% 1/10W
Q402	8-729-905-35	TRANSISTOR	2SC4081-R	R210	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q403	8-729-905-35	TRANSISTOR	2SC4081-R	R211	1-218-722-11	METAL CHIP	18K 0.5% 1/10W
Q404	8-729-905-35	TRANSISTOR	2SC4081-R	R212	1-218-716-11	METAL CHIP	10K 0.5% 1/10W
Q405	8-729-027-23	TRANSISTOR	DTA114EKA-T146	R213	1-218-716-11	METAL CHIP	10K 0.5% 1/10W
Q406	8-729-905-35	TRANSISTOR	2SC4081-R	R221	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q451	8-729-425-25	TRANSISTOR	XN4604-TX	R222	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q452	8-729-140-75	TRANSISTOR	2SD999-CLCK	R223	1-216-864-11	SHORT CHIP	0
Q453	8-729-101-07	TRANSISTOR	2SB798-DL	R226	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q651	6-551-146-01	FET	TPC8401 (TE12L.Q)	R227	1-218-712-11	METAL CHIP	6.8K 0.5% 1/10W
Q652	6-551-146-01	FET	TPC8401 (TE12L.Q)	R228	1-218-726-11	METAL CHIP	27K 0.5% 1/10W
Q821	8-729-905-35	TRANSISTOR	2SC4081-R	R229	1-218-716-11	METAL CHIP	10K 0.5% 1/10W
Q981	8-729-905-35	TRANSISTOR	2SC4081-R	R230	1-216-833-11	METAL CHIP	10K 5% 1/10W
		< RESISTOR >		R231	1-218-722-11	METAL CHIP	18K 0.5% 1/10W
R101	1-218-285-11	METAL CHIP	75 5% 1/10W	R232	1-218-716-11	METAL CHIP	10K 0.5% 1/10W
R103	1-216-833-11	METAL CHIP	10K 5% 1/10W	R233	1-218-716-11	METAL CHIP	10K 0.5% 1/10W
R104	1-218-990-11	SHORT CHIP	0	R251	1-244-387-91	RES-CHIP	0.22 1% 1/4W
R105	1-216-864-11	SHORT CHIP	0	R252	1-218-746-11	METAL CHIP	180K 0.5% 1/10W
R106	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R253	1-218-722-11	METAL CHIP	18K 0.5% 1/10W
R107	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R254	1-218-716-11	METAL CHIP	10K 0.5% 1/10W
R114	1-216-864-11	SHORT CHIP	0	R255	1-216-833-11	METAL CHIP	10K 5% 1/10W
R115	1-216-864-11	SHORT CHIP	0	R271	1-244-387-91	RES-CHIP	0.22 1% 1/4W
R116	1-216-864-11	SHORT CHIP	0	R272	1-218-740-11	METAL CHIP	100K 0.5% 1/10W
R117	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R273	1-218-712-11	METAL CHIP	6.8K 0.5% 1/10W
R118	1-216-864-11	SHORT CHIP	0	R275	1-216-833-11	METAL CHIP	10K 5% 1/10W
R119	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R401	1-218-990-11	SHORT CHIP	0
R120	1-216-864-11	SHORT CHIP	0	R402	1-218-977-11	RES-CHIP	100K 5% 1/16W
R121	1-216-864-11	SHORT CHIP	0	R403	1-216-809-11	METAL CHIP	100 5% 1/10W
R122	1-216-864-11	SHORT CHIP	0	R404	1-216-809-11	METAL CHIP	100 5% 1/10W
R123	1-216-864-11	SHORT CHIP	0	R405	1-216-809-11	METAL CHIP	100 5% 1/10W
R124	1-216-833-11	METAL CHIP	10K 5% 1/10W	R406	1-216-809-11	METAL CHIP	100 5% 1/10W
R125	1-216-864-11	SHORT CHIP	0	R407	1-216-809-11	METAL CHIP	100 5% 1/10W
R126	1-216-833-11	METAL CHIP	10K 5% 1/10W	R408	1-218-976-11	RES-CHIP	82K 5% 1/16W
R131	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	R409	1-218-977-11	RES-CHIP	100K 5% 1/16W
R132	1-216-864-11	SHORT CHIP	0	R410	1-218-973-11	RES-CHIP	47K 5% 1/16W
R135	1-216-864-11	SHORT CHIP	0	R411	1-216-857-11	METAL CHIP	1M 5% 1/10W
R137	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R412	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R138	1-218-965-11	RES-CHIP	10K 5% 1/16W	R413	1-218-965-11	RES-CHIP	10K 5% 1/16W
R139	1-218-965-11	RES-CHIP	10K 5% 1/16W	R415	1-218-947-11	RES-CHIP	330 5% 1/16W
R140	1-218-953-11	RES-CHIP	1K 5% 1/16W	R416	1-218-967-11	RES-CHIP	15K 5% 1/16W
R141	1-218-965-11	RES-CHIP	10K 5% 1/16W	R417	1-218-971-11	RES-CHIP	33K 5% 1/16W
R142	1-218-965-11	RES-CHIP	10K 5% 1/16W	R418	1-218-983-11	RES-CHIP	330K 5% 1/16W
R143	1-218-953-11	RES-CHIP	1K 5% 1/16W	R419	1-218-953-11	RES-CHIP	1K 5% 1/16W
				R420	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
				R421	1-218-272-11	METAL CHIP	5.1K 5% 1/10W
				R422	1-216-823-11	METAL CHIP	1.5K 5% 1/10W

XTL-W7000

MONITOR

Ref. No.	Part No.	Description	Quantity	Unit	Remark	Ref. No.	Part No.	Description	Quantity	Unit	Remark
R423	1-218-983-11	RES-CHIP	330K	5%	1/16W	R801	1-216-025-11	RES-CHIP	100	5%	1/10W
R426	1-218-967-11	RES-CHIP	15K	5%	1/16W	R802	1-216-864-11	SHORT CHIP	0		
R427	1-218-971-11	RES-CHIP	33K	5%	1/16W	R803	1-216-819-11	METAL CHIP	680	5%	1/10W
R428	1-218-983-11	RES-CHIP	330K	5%	1/16W	R804	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R429	1-218-953-11	RES-CHIP	1K	5%	1/16W	R805	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R430	1-216-864-11	SHORT CHIP	0			R821	1-218-953-11	RES-CHIP	1K	5%	1/16W
R441	1-218-973-11	RES-CHIP	47K	5%	1/16W	R822	1-216-864-11	SHORT CHIP	0		
R442	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R902	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R443	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R903	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R444	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R905	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R445	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R906	1-216-809-11	METAL CHIP	100	5%	1/10W
R451	1-218-969-11	RES-CHIP	22K	5%	1/16W	R907	1-216-809-11	METAL CHIP	100	5%	1/10W
R452	1-218-967-11	RES-CHIP	15K	5%	1/16W	R908	1-216-809-11	METAL CHIP	100	5%	1/10W
R453	1-218-965-11	RES-CHIP	10K	5%	1/16W	R909	1-216-809-11	METAL CHIP	100	5%	1/10W
R454	1-218-965-11	RES-CHIP	10K	5%	1/16W	R910	1-216-809-11	METAL CHIP	100	5%	1/10W
R455	1-218-969-11	RES-CHIP	22K	5%	1/16W	R911	1-216-809-11	METAL CHIP	100	5%	1/10W
R456	1-218-965-11	RES-CHIP	10K	5%	1/16W	R912	1-216-809-11	METAL CHIP	100	5%	1/10W
R457	1-218-965-11	RES-CHIP	10K	5%	1/16W	R913	1-216-809-11	METAL CHIP	100	5%	1/10W
R458	1-218-965-11	RES-CHIP	10K	5%	1/16W	R914	1-216-801-11	METAL CHIP	22	5%	1/10W
R459	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R915	1-216-809-11	METAL CHIP	100	5%	1/10W
R460	1-216-797-11	METAL CHIP	10	5%	1/10W	R916	1-216-809-11	METAL CHIP	100	5%	1/10W
R461	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R917	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R462	1-216-797-11	METAL CHIP	10	5%	1/10W	R918	1-218-977-11	RES-CHIP	100K	5%	1/16W
R463	1-216-817-11	METAL CHIP	470	5%	1/10W	R919	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R481	1-216-821-11	METAL CHIP	1K	5%	1/10W	R920	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R482	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R921	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R483	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R951	1-216-864-11	SHORT CHIP	0		
R484	1-216-840-11	METAL CHIP	39K	5%	1/10W	R952	1-216-864-11	SHORT CHIP	0		
R485	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R953	1-216-804-11	METAL CHIP	39	5%	1/10W
R486	1-216-821-11	METAL CHIP	1K	5%	1/10W	R954	1-216-810-11	METAL CHIP	120	5%	1/10W
R487	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R955	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R488	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R956	1-216-801-11	METAL CHIP	22	5%	1/10W
R489	1-216-840-11	METAL CHIP	39K	5%	1/10W	R957	1-216-864-11	SHORT CHIP	0		
R490	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R958	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R491	1-216-821-11	METAL CHIP	1K	5%	1/10W	R959	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R492	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R960	1-218-977-11	RES-CHIP	100K	5%	1/16W
R493	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R961	1-218-977-11	RES-CHIP	100K	5%	1/16W
R494	1-216-840-11	METAL CHIP	39K	5%	1/10W	R962	1-218-975-11	RES-CHIP	68K	5%	1/16W
R495	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R963	1-218-977-11	RES-CHIP	100K	5%	1/16W
R601	1-216-801-11	METAL CHIP	22	5%	1/10W	R964	1-218-965-11	RES-CHIP	10K	5%	1/16W
R602	1-216-833-11	METAL CHIP	10K	5%	1/10W	R965	1-218-990-11	SHORT CHIP	0		
R603	1-245-118-91	METAL CHIP	2.2M	0.5%	1/10W	R966	1-218-990-11	SHORT CHIP	0		
R604	1-216-857-11	METAL CHIP	1M	5%	1/10W	R981	1-218-973-11	RES-CHIP	47K	5%	1/16W
R605	1-218-728-11	METAL CHIP	33K	0.5%	1/10W	R982	1-218-969-11	RES-CHIP	22K	5%	1/16W
R606	1-216-857-11	METAL CHIP	1M	5%	1/10W	R983	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R607	1-218-712-11	METAL CHIP	6.8K	0.5%	1/10W	R984	1-218-990-11	SHORT CHIP	0		
R608	1-216-833-11	METAL CHIP	10K	5%	1/10W			< SWITCH >			
R609	1-218-331-11	METAL CHIP	51K	5%	1/10W	SW801	1-692-088-11	SWITCH, TACTILE (OPEN/CLOSE)			
R610	1-218-712-11	METAL CHIP	6.8K	0.5%	1/10W	SW802	1-692-088-11	SWITCH, TACTILE (TILT)			
R611	1-218-731-11	METAL CHIP	43K	0.5%	1/10W			< TRANSFORMER >			
R612	1-216-833-11	METAL CHIP	10K	5%	1/10W	T651	1-443-472-11	TRANSFORMER, INVERTER			
R613	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	T652	1-443-472-11	TRANSFORMER, INVERTER			
R614	1-245-118-91	METAL CHIP	2.2M	0.5%	1/10W			< VIBRATOR >			
R651	1-218-683-11	METAL CHIP	430	0.5%	1/10W	X101	1-767-261-21	VIBRATOR, CERAMIC (8MHz)			
R652	1-218-664-11	METAL CHIP	68	0.5%	1/10W						
R653	1-218-730-11	METAL CHIP	39K	0.5%	1/10W						
R654	1-218-694-11	METAL CHIP	1.2K	0.5%	1/10W						
R655	1-218-740-11	METAL CHIP	100K	0.5%	1/10W						

MONITOR **SLIDER** **SW (FRONT)** **SW (SENSOR)**

Ref. No.	Part No.	Description	Remark
X401	1-579-466-11	VIBRATOR, CRYSTAL (3.58MHz)	
X402	1-579-661-21	OSCILLATOR, CRYSTAL (4.43MHz)	

	A-1086-052-A	SLIDER BOARD, COMPLETE	

< CAPACITOR >			
C1	1-126-397-11	ELECT CHIP 33uF	20% 25V
C2	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C3	1-165-642-11	ELECT CHIP 39uF	20% 16V
C4	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C5	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C6	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C7	1-127-573-11	CERAMIC CHIP 1uF	10% 16V
C8	1-127-573-11	CERAMIC CHIP 1uF	10% 16V
C9	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C10	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C11	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C12	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V
C13	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V
< CONNECTOR >			
* CN1	1-778-451-11	CONNECTOR, FPC (50P)	
CN2	1-770-741-21	CONNECTOR, FFC/FPC 32P	
CN3	1-770-620-21	PIN, CONNECTOR 3P	
CN4	1-770-621-21	PIN, CONNECTOR 4P	
CN5	1-770-619-11	PIN, CONNECTOR 2P	
CN6	1-770-619-11	PIN, CONNECTOR 2P	
CN7	1-770-619-11	PIN, CONNECTOR 2P	
< DIODE >			
D1	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D2	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D3	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D4	8-719-056-83	DIODE UDZ-TE-17-6.8B	
< IC >			
IC1	6-706-997-01	IC BA07CC0WFP-E2	
IC2	8-759-527-33	IC LB1930M-TLM-E	
IC3	8-759-527-33	IC LB1930M-TLM-E	
< TRANSISTOR >			
Q1	8-729-230-49	TRANSISTOR 2SC2712-YG	
< RESISTOR >			
R1	1-216-833-11	METAL CHIP 10K	5% 1/10W
R2	1-216-833-11	METAL CHIP 10K	5% 1/10W
R3	1-216-833-11	METAL CHIP 10K	5% 1/10W
R4	1-216-833-11	METAL CHIP 10K	5% 1/10W
R5	1-216-833-11	METAL CHIP 10K	5% 1/10W
R6	1-216-845-11	METAL CHIP 100K	5% 1/10W
R7	1-216-841-11	METAL CHIP 47K	5% 1/10W
R8	1-216-833-11	METAL CHIP 10K	5% 1/10W
R9	1-216-821-11	METAL CHIP 1K	5% 1/10W
R10	1-216-821-11	METAL CHIP 1K	5% 1/10W
R11	1-216-845-11	METAL CHIP 100K	5% 1/10W
R12	1-216-809-11	METAL CHIP 100	5% 1/10W

Ref. No.	Part No.	Description	Remark
R13	1-216-809-11	METAL CHIP 100	5% 1/10W
< THERMISTOR >			
TH1	1-805-194-21	THERMISTOR, NTC (SMD)	

	A-1084-516-A	SW (FRONT) BOARD, COMPLETE	

< CONNECTOR >			
CN201	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
< DIODE >			
D301	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D302	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D303	6-500-204-01	LED CL-190UB2-X-T (ILLUMINATION)	
< RESISTOR >			
R301	1-216-809-11	METAL CHIP 100	5% 1/10W
R302	1-216-815-11	METAL CHIP 330	5% 1/10W
R303	1-216-809-11	METAL CHIP 100	5% 1/10W
< SWITCH >			
SW301	1-786-355-21	SWITCH, TACTILE (RESET)	
SW302	1-786-355-21	SWITCH, TACTILE (CUSTOM)	

	A-1086-054-A	SW (SENSOR) BOARD, COMPLETE	

< IC >			
PH1	6-600-229-01	IC GP2S700HCP	

MISCELLANEOUS			

3	1-829-692-11	CORD (WITH CONNECTOR) (POWER)	
6	1-829-691-11	CORD, CONNECTION (CAMERA) (CAMERA IN)	
7	1-829-690-11	CORD, CONNECTION (RCA)	
		(VIDEO OUT, VIDEO IN)	
8	1-829-693-11	CORD, CONNECTION (SONY BUS)	
9	1-829-694-11	CORD, CONNECTION (ANT-OUT)	
206	1-830-119-11	CABLE, FLEXIBLE FLAT (10 CORE)	
260	1-862-939-11	FLEXIBLE (50P) BOARD	
261	1-862-938-11	FLEXIBLE (32P) BOARD	
F1	1-532-796-11	FUSE (BLADE TYPE) (AUTO FUSE) (5A/32V)	
LCD1	1-805-675-21	DISPLAY PANEL, LIQUID CRYSTAL	
M1	A-1105-379-A	BRACKET (MOTOR S) (ASSY) (SLIDE)	
M2	A-1082-512-A	BRACKET (MOTOR) ASSY (ANGLE)	
S2	1-570-771-21	SWITCH (CLOSE)	
SP201	1-825-967-11	SPEAKER (2X4cm)	

XTL-W7000

Ref. No.	Part No.	Description	Remark
		ACCESSORIES *****	
	1-479-104-11	REMOTE COMMANDER (RM-X701)	
	2-349-086-11	MANUAL, INSTRUCTION (ENGLISH, TRADITIONAL CHINESE)	
	2-349-087-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, TRADITIONAL CHINESE)	
	2-548-730-01	LID, BATTERY CASE (for RM-X701)	

PARTS FOR INSTALLATION AND CONNECTIONS *****

501	X-3383-542-1	FRAME ASSY, FITTING
503	3-386-828-01	SCREW, FITTING
504	3-349-410-11	BUSHING
505	X-2025-413-1	M SCREW ASSY (12)
509	1-558-787-22	CORD, CONNECTION (AUDIO L/R)
510	1-829-692-11	CORD (WITH CONNECTOR) (POWER)
511	1-830-157-11	CORD, CONNECTION (VIDEO)
512	2-178-235-01	COLLAR (UZ)
513	3-246-011-11	KEY (FRAME)
514	9-885-074-90	ELEMENT (L) (for VCA-119)
515	9-885-074-91	ELEMENT (R) (for VCA-119)
516	1-562-593-11	CONNECTOR (CL-2218T)
517	9-885-074-92	CABLE (L), INPUT (for VCA-119)
518	9-885-074-88	ACCESSORY ASSY (for VCA-119)
519	9-885-074-89	AMPLIFIER (WITH CABLE) (for VCA-119)
F1	1-532-796-11	FUSE (BLADE TYPE) (AUTO FUSE) (5A/32V)

