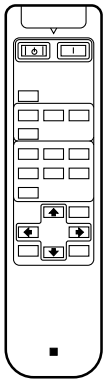
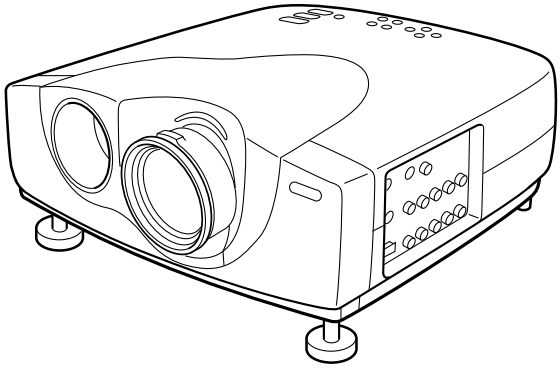
SERVICE MANUAL

MODEL	DEST.
VPL-VW10HT	WORLD

MODEL	DEST.
RM-PJVW10	WORLD





LCD VIDEO PROJECTOR

SONY

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

WARNING!!

AN INSULATED TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY A ⚠ MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION!!

AFIN D'ÉVITER TOUT RISQUE D'ÉLECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE.
LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MAPQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

TABLE OF CONTENTS

1. Operating Instructions

2. Service Informations

3. Electrical Adjustments

4. Semiconductors

5. Exploded Views

6. Electrical Parts List

7. Block Diagrams

8. Diagrams

SONY VPL-VW10HT

SONY

4-074-835-**11**(1)

LCD Video Projector

VPL-VW10HT

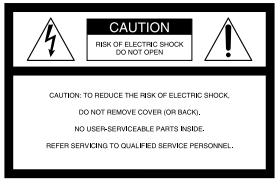
Section 1
Operating Instructions

This section is extracted from operation manual.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For the customers in Europe

This product with the CE marking complies with both the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.
Compliance with these directives implies conformity to the following European standards:
• EN60950: Product Safety
• EN55103-1: Electromagnetic Interference (Emission)
• EN55103-2: Electromagnetic Susceptibility (Immunity)
This product is intended for use in the following Electromagnetic Environment(s):
E1 (residential), E2 (commercial and light industrial), E3 (urban outdoors) and E4 (controlled EMC environment, ex. TV studio).

For the customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

For the customers in the United Kingdom

WARNING
THIS APPARATUS MUST BE EARTHED

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green-and-yellow.
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Voor de klanten in Nederland

Bij dit product zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

The socket-outlet should be installed near the equipment and be easily accessible.

Warning on power connection

Use the proper power cord for your local power supply.

	The United States, Canada		Continental Europe		UK, Ireland, Australia, New Zealand	Japan
Plug type	VM0233	290B	YP-12A	COX-07	—[1)]	VM1296
Female end	VM0089	386A	YC-13B	COX-02	VM0310B	VM10505
Cord type	SJT	SJT	H05VV-F	H05VV-F	N13237/CO-228	HVCTF
Rated Voltage & Current	10A/125V	10A/125V	10A/250V	10A/250V	10A/250V	13A/125V
Safety approval	UL/CSA	UL/CSA	VDE	VDE	VDE	DENTORI

1) Use the correct plug for your country.

Table of Contents

Precautions

On safety

- Check that the operating voltage of your unit is identical with the voltage of your local power supply.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- The wall outlet should be near the unit and easily accessible.
- The unit is not disconnected to the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Do not look into the lens while the lamp is on.
- Do not place your hand or objects near the ventilation holes — the air coming out is hot.
- Be careful not to catch your fingers by the adjuster when you lift up the projector. Do not push hard on the top of the projector with the adjuster out.

On illumination

- To obtain the best picture, the front of the screen should not be exposed to direct lighting or sunlight.
- Ceiling-mounted spot lighting is recommended. Use a cover over fluorescent lamps to avoid lowering the contrast ratio.
- Cover any windows that face the screen with opaque draperies.
- It is desirable to install the projector in a room where floor and walls are not of light-reflecting material. If the floor and walls are of reflecting material, it is recommended that the carpet and wall paper be changed to a dark color.

On preventing internal heat build-up

After you turn off the power with the ⏻ key on the Remote Commander or the I / ⏻ key on the control panel, do not disconnect the unit from the wall outlet while the cooling fan is still running.

Caution
The projector is equipped with ventilation holes (intake) on the bottom and ventilation holes (exhaust) on the front. Do not block or place anything near these holes, or internal heat build-up may occur, causing picture degradation or damage to the projector.

On cleaning

- To keep the cabinet looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents, such as thinner, benzene, or abrasive cleansers, since these will damage the cabinet.
- Avoid touching the lens. To remove dust on the lens, use a soft dry cloth. Do not use a damp cloth, detergent solution, or thinner.
- Clean the filter at regular intervals every 300 hours.

On repacking

Save the original shipping carton and packing material; they will come in handy if you ever have to ship your unit. For maximum protection, repack your unit as it was originally packed at the factory.

On LCD projector

The LCD projector is manufactured using high-precision technology. You may, however, see tiny black points and/or bright points (red, blue, or green) that continuously appear on the LCD projector. This is a normal result of the manufacturing process and does not indicate a malfunction.

Features

High brightness, high picture quality

- **New, wide LCD panel**
  The new high-resolution wide LCD panel (1366 × 768 dots) provides higher uniformity, reduced ghosts and an improved contrast ratio.
- **High-brightness – 1000 ANSI lumens**
  The LCD panel with its new 200W UHP lamp, optical unit and lens achieves a high brightness of 1000 ANSI lumens (16:9 projection), allowing for improved home viewing.
- **High-quality image**
  In addition to the new wide LCD panel, a variety of functions are now available in the projector. These include DRC-MF (Digital Reality Creation Multifunction) (Sony's proprietary high-quality image technology); 3-D Gamma Correction, providing excellent uniformity; Cinema Black Mode, a mode that reduces the black level according to the input source/projection environment; and 3-D YC Separation/DNR (NTSC), a feature that reproduces a clear image without noise.

High-adaptability in the home environment

- **Reduced noise**
  The exhaust opening at the front is connected to an internal fan and air duct. This means the distance from the fan to the exhaust opening is long, significantly reducing fan noise.
- **Flexible setup**
  The projection lens has a short focus (90 inches with 2.9m (9.5 feet) (16:9)). The digital keystone correction function allows projection at a wide angle. The projector's white color goes with any color (ceilings, walls, etc.).

Wide Screen/DTV/High Definition Television

- **Wide Screen**
  This projector utilizes a 16:9 aspect ratio LCD panel, allowing seven screen modes (ZOOM, FULL, SUBTITLE, WIDE ZOOM, etc.) using all panel pixels (1366 × 768).
  It allows NORMAL THROUGH mode and FULL THROUGH mode as the through mode that reproduces a sharp image with one-to-one mapping.
- **DVD, DTV, High-Definition Television**
  The projector's super-precise image exceeds 3.14 million pixels. It is also compatible with next-generation DTV (digital TV) and high-definition television signals. Combined with a tuner or a MUSE decoder (optional), you can enjoy DTV, high-definition television, high- definition LD, etc.

Video Memory

The projector has a video memory function. The user can store up to 6 settings (image quality, aspect, temperature color, DRC-MF, etc.) according to the input source. The user can directly recall any setting from the Remote Commander.

Multi scan compatibility

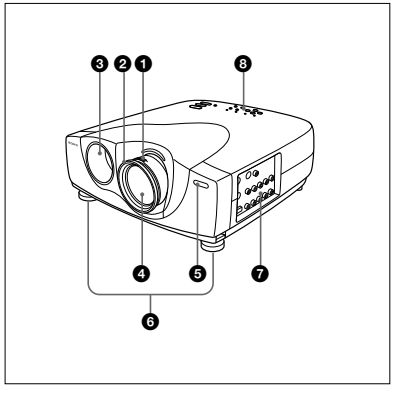
- **Scan converter built-in**
  This projector has a built-in scan converter which converts the input signal within 1366 × 768 pixels.
- **Input signals**
  The projector can accept the following video signals: Composite, S-video, Component, Progressive component, DTV (480i/p, 720p/1080i), HDTV, 15k RGB, VGA, SVGA, XGA and SXGA.
- **Compatible with six color systems**
  $NTSC_{3.58}$, PAL, SECAM, $NTSC_{4.43}$[1)], PAL-M or PAL-N color system can be selected automatically or manually.

- VGA, SVGA, XGA and SXGA are registered trademarks of the International Business Machines Corporation, U.S.A.
- VESA is a registered trademark of the Video Electronics Standard Association.
- IBM and PC/AT are a trademark and a registered trademark of the International Business Machines Corporation, U.S.A.
- Macintosh is a registered trademark of Apple Computer, Inc.
- NEC is a registered trademark of NEC Corporation.
- PC-98 is a trademark of NEC Corporation.

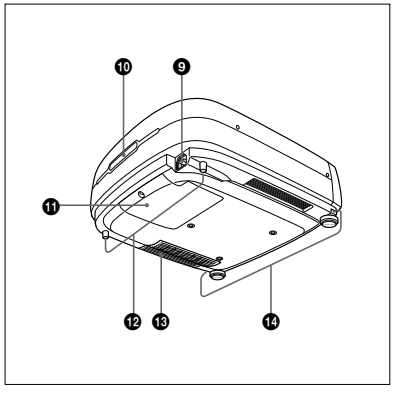
1) $NTSC_{4.43}$ is the color system used when playing back a video recorded in the NTSC format on an $NTSC_{4.43}$ system VCR.

Location and Function of Controls

Front/Left Side



Rear/Right Side/Bottom



❶ Zoom ring
Adjusts the size of the picture.

❷ Focus ring
Adjusts the picture focus.

❸ Ventilation holes (exhaust)

❹ Lens
Remove the lens cap before projection.

❺ Front remote control detector (SIRCS receiver)

❻ Adjusters
When a picture is projected on the out of the screen, adjust the picture using these adjusters.
For details on how to use the adjusters, see "How to use the adjuster" on page 10 (GB).

❼ Connector panel
For details, see page 12 (GB).

❽ Control panel
For details, see "Control panel" on page 11 (GB).

❾ AC IN socket
Connects the supplied AC power cord.

❿ Rear remote control detector (SIRCS receiver)

⓫ Lamp cover

⓬ Rear adjusters

⓭ Ventilation holes (intake)/air filter cover

About ventilation holes

Notes

- Do not place anything near the ventilation holes as it may cause internal heat build-up. Do not put your hand near the ventilation holes, or you may be burned.
- **Clean the air filter every 300 hours** to ensure optimal performance.

For details, see "Cleaning the Air Filter" on page 35 (GB).

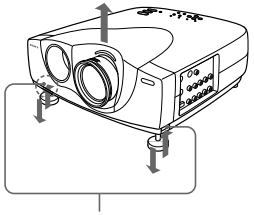
⓮ Adjuster buttons

How to use the adjuster

To adjust the height

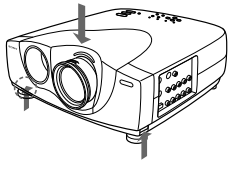
Adjust the height of the projector as follows:

1 Lift the projector and press the adjuster buttons. The adjusters will extend from the projector.

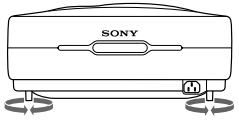


Adjuster buttons

2 While pressing the buttons, lower the projector. Then, release the buttons. The adjuster will be locked, then the height of the projector will be fixed.
For fine adjustment, turn the adjusters to the right and the left.



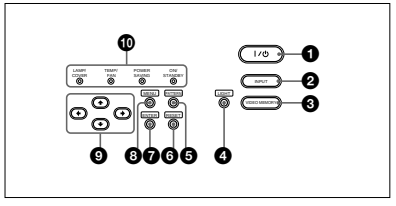
3 If necessary, turn the rear adjusters to the right and the left to adjust the height of the projector.



Notes

- Be careful not to let the projector down on your fingers.
- Do not push hard on the top of the projector with the adjusters out.

Control panel



❶ I / ⏻ (on / standby) key
Turns the projector on and off when the projector is in the standby mode. The ON/STANDBY indicator lights in green when the power is turned on.
When turning off the power, press the I / ⏻ key twice following the message on the screen, or press and hold the key for about one second.
For details on steps for turning off the power, see "To turn off the power" on page 20 (GB).

❷ INPUT key
Selects the input signal. Each time you press the key, the input signal switches as follows:

VIDEO → S-VIDEO → INPUT-A → INPUT-B → VIDEO

❸ VIDEO MEMORY key
You can adjust the image in advance and store the setting in the VIDEO MEMORY 1 to 6. You can recall the setting by pressing this key. Pressing this key selects memory number 1 through 6, and then starts again with 1. You can easily set, change and view the image in a suitable setting.
For more details on how to set the video memory, see the VIDEO MEMORY of the INPUT SETTING menu on page 25 (GB).

❹ LIGHT key
If you press this key while the power is on, the keys on the control panel will be displayed in orange. Press this key again to turn off the light.
The light will turn off automatically if no keys are operated for 30 seconds.

❺ PATTERN key
Displays the test pattern on the screen for focus adjustment. Press again to clear the test pattern.

❻ RESET key
Resets the value of an item back to its factory preset value. This key functions when the menu or a setting item is displayed on the screen.

❼ ENTER key
Enters the settings of items in the menu system.

❽ MENU key
Displays the on-screen menu. Press again to clear the menu.

❾ Arrow keys (↑/↓/←/→)
Used to select the menu or to make various adjustments.

❿ Indicators

LAMP/COVER: Lights up or flashes under the following conditions:
- Lights up when the lamp has reached the end of its life or the lamp does not turn on as a result of high lamp temperature.
- Flashes when the lamp cover or air filter cover is not secured firmly.

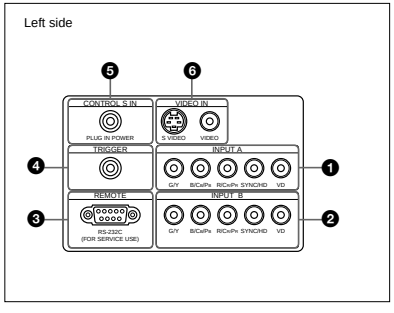
TEMP (Temperature)/FAN: Lights up or flashes under the following conditions:
- Lights up when temperature inside the projector becomes unusually high.
- Flashes when the fan is broken.

POWER SAVING: Lights up when the projector is in the power saving mode. When POWER SAVING in the SET SETTING menu is set to ON, the projector goes into the power saving mode if no signal is input or no keys are operated for 10 minutes. Although the lamp goes out, the cooling fan keeps running. In the power saving mode, no key functions for the first 40 seconds. The power saving mode is canceled when a signal is input or any key is pressed.

ON/STANDBY: Lights up or flashes under the following conditions:
- Lights in red when the AC power cord is plugged into the wall outlet. Once in the standby mode, you can turn on the projector with the I / ⏻ key.
- Lights in green when the power is turned on.
- Flashes in green while the cooling fan runs after turning off the power with the I / ⏻ key. The fan runs for about 120 seconds after turning off the power.
  The ON/STANDBY indicator flashes quickly for the first 40 seconds.
  During this time, you cannot turn the power back on with the I / ⏻ key.

For details on the LAMP/COVER and the TEMP/FAN indicators, see page 37 (GB).

Connector panel



❶ INPUT A connectors
G/Y, B/CB/PB, R/CR/PR, SYNC/HD, VD connectors (phono type):
Connect to the RGB output of the equipment.
According to the connected equipment, computer, component (Y/CB/CR), HDTV or DTV (DTV GBR, DTV YPBPR) signal is selected.

❷ INPUT B connectors
G/Y, B/CB/PB, R/CR/PR, SYNC/HD, VD connectors (phono type):
Connect to the RGB output of the equipment.
According to the connected equipment, computer, component (Y/CB/CR), HDTV or DTV (DTV GBR, DTV YPBPR) signal is selected.

❸ RS-232C connector (D-sub 9-pin, female)
This is a service connector.

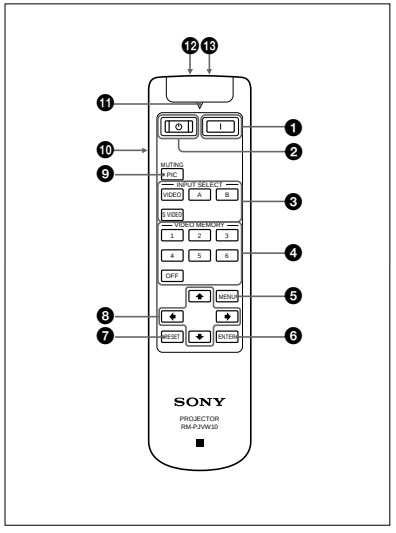
❹ TRIGGER connector (minijack)
Outputs the ON or OFF condition of the unit to the external equipment.
When the unit is turned off, 0 V is output and when the unit is turned on, 12 V is output. However, as power is not output, you cannot use the connector as a power source.

❺ CONTROL S IN/PLUG IN POWER (DC 5V output) jack
Connects to the control S out jacks of the Sony equipment. Connects to the CONTROL S OUT jack on the supplied Remote Commander when using it as a wired Remote Commander. In this case, you do not need to install the batteries in the Remote Commander, since power is supplied from this jack.
If this connector is used, the Remote Commander key lamp is not turned on.

❻ VIDEO IN jacks
Connect to external video equipment such as a VCR.
S VIDEO (mini DIN 4-pin): Connects to the S video output (Y/C video output) of video equipment.
VIDEO (phono type): Connects to the composite video output of video equipment.

Remote Commander

The keys which have the same names as on the control panel function identically.
You can control a connected computer using the Remote Commander.
For details, see "Connecting with a Computer" on page 16 (GB).



❶ I (ON) key
Press this key to turn on the projector. (It is assumed that the projector is in the Stand-by state.)

❷ ⏻ (OFF) key
Press this key to turn off the power immediately.

❸ INPUT SELECT keys
Select the input signal.
VIDEO: Selects the signal of equipment connected to the projector's VIDEO connector.
S VIDEO: Selects the signal of equipment connected to the projector's S VIDEO connector.
A: Selects the video signal of equipment connected to the INPUT A connectors.
B: Selects the video signal of equipment connected to the INPUT B connectors.

❹ VIDEO MEMORY keys
You can store an image setting to one of the VIDEO MEMORY keys (1 – 6), and you can directly recall the setting by pressing the appropriate key.
For more details on how to set the video memory, see the VIDEO MEMORY of the INPUT SETTING menu on page 25 (GB).

❺ MENU key

❻ ENTER key

❼ RESET key

❽ Arrow keys (↑/↓/←/→)

❾ MUTING PIC key
Cuts off the picture. Press again to restore the picture.

❿ LIGHT switch
Pressing this switch turns on the key light on the Remote Commander. Pressing this switch again turns off the key light. If no keys are operated, the lights will automatically turn off in 30 seconds.
Install the two batteries in the Remote Commander when you use the key light.

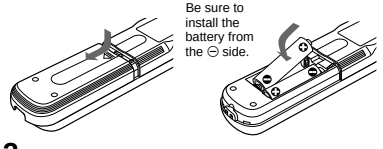
⓫ Transmission indicator
Lights up when you press a key on the Remote Commander.

⓬ CONTROL S OUT jack (stereo minijack)
Connects to the CONTROL S IN jack on the projector with the connecting cable (not supplied) when using the Remote Commander as a wired one. In this case, you do not need to install the batteries since the power is supplied via the CONTROL S IN jack on the projector.
If the batteries are not installed, the Remote Commander key light is not turned on.

⓭ Infrared transmitter

Battery installation

1 Push and slide to open the lid, then install the two size AA (R6) batteries (supplied) with the correct polarity.



2 Replace the lid.

Notes on batteries

- Make sure that the battery orientation is correct when inserting batteries.
- Do not mix an old battery with a new one, or different types of batteries.
- If you will not use the Remote Commander for a long time, remove the batteries to avoid damage from battery leakage. If batteries have leaked, remove them, wipe the battery compartment dry and replace the batteries with new ones.

Notes on Remote Commander operation

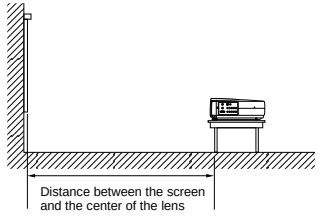
- Make sure that there is nothing to obstruct the infrared beam between the Remote Commander and the remote control detector on the projector.
- The operation range is limited. The shorter the distance between the Remote Commander and the projector is, the wider the angle within which the commander can control the projector.
- To turn on the key light when using as a wired Remote Commander, install the batteries.

Note

When the Remote Commander causes malfunction, consult with qualified Sony personnel. We change the Remote Commander as new one according to the guarantee.

Installing the Projector

This section describes the installation arrangements for installing the projector.



The distance between the lens and the screen varies depending on the size of the screen. Use the following table as a guide.

Unit: m (feet)

16:9 screen size (inches)	40	60	80	100	120	150	200	300
Minimum Distance	1.3 (4.1)	1.9 (6.3)	2.6 (8.5)	3.3 (10.7)	3.9 (12.9)	4.9 (16.2)	6.6 (21.7)	9.9 (32.6)
Maximum Distance	1.5 (4.8)	2.2 (7.4)	3.0 (9.8)	3.8 (12.4)	4.6 (14.9)	5.7 (18.7)	7.6 (25.0)	11.5 (37.7)

4:3 screen size (inches)	40	60	80	100	120	150	200	300
Minimum Distance	1.6 (5.1)	2.4 (7.8)	3.2 (10.5)	4.0 (13.2)	4.8 (15.9)	6.1 (19.9)	8.1 (26.6)	12.2 (40.0)
Maximum Distance	1.8 (6.0)	2.8 (9.1)	3.7 (12.3)	4.7 (15.4)	5.6 (18.3)	7.0 (23.0)	9.4 (30.8)	14.1 (46.2)

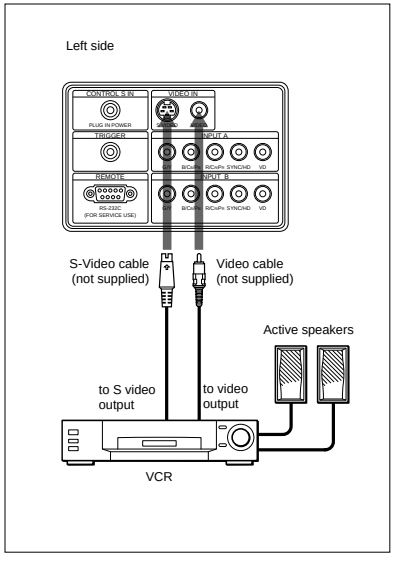
Connecting

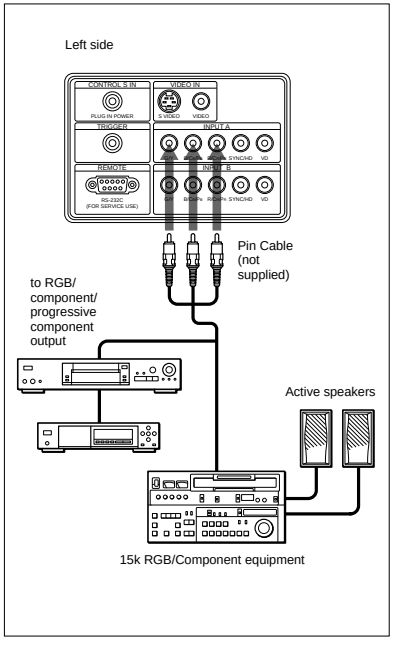
When making connections, be sure to:

- turn off all equipment before making any connections.
- use the proper cables for each connection.
- insert the plugs of the cables properly; plugs that are not fully inserted often generate noise. When pulling out a cable, be sure to pull it out by the plug, not the cable itself.

Connecting with a VCR/15k RGB/ Component/Progressive Component Equipment

This section describes how to connect the projector with a VCR, external active speakers, and 15k RGB/ component/progressive component equipment. Also refer to the instruction manuals of the equipment to be connected.





Notes

- Set the aspect ratio using ASPECT in the INPUT SETTING menu according to the input signal.
- To connect a 15k RGB/component/progressive component equipment, select the COMPUTER/ COMPONENT/DTV YPBPR/DTV GBR in the INPUT-A or INPUT-B in the SET SETTING menu according to the input signal.
  For details on setting, see page 27 (GB).
- You can connect a high definition equipment. The connection method is the same as above.
  Connecting to an HDTV 1035/60i
  Set the input setting to "DTV YPBPR/DTV GBR." Use the composite sync signal when you input the external sync signal.

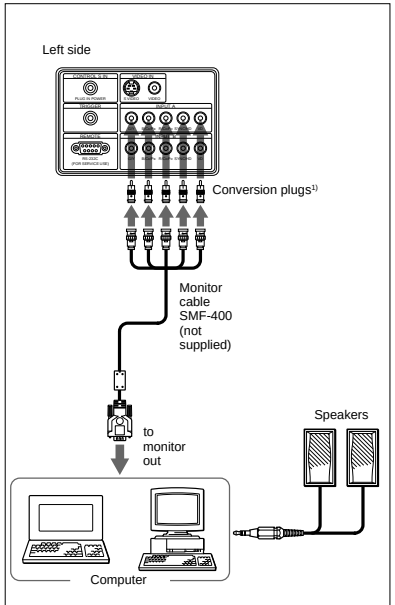
Connecting with a Computer

This section describes how to connect the projector to a computer.
Select the “COMPUTER” in the INPUT-A or INPUT-B of the SET SETTING menu.

Notes

- This unit accepts the VGA, SVGA, XGA or SXGA signals. However, we recommend you to set the output signal of your computer to the XGA.
- If you set your computer, such as a notebook type IBM PC/AT compatible, to output the signal to both the display of your computer and the external monitor, the picture of the external monitor may not appear properly. In such cases, set the output mode of your computer to output the signal only to the external monitor.
  For details, refer to the operating instructions supplied with your computer.
- Connect all the connecting cables to the INPUT A connector when you input a signal from the INPUT A connector.
  Connect all the connecting cables to the INPUT B connector when you input a signal from the INPUT B connector as well.

When connecting with a computer



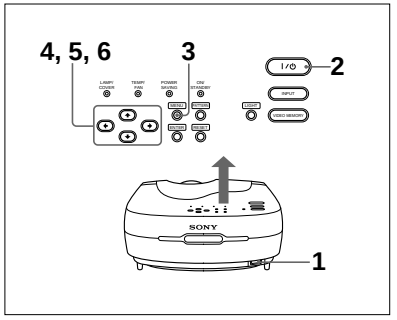
Note

When you connect with a Macintosh computer, you need an optional signal adapter.

1) When connecting INPUT A or INPUT B connectors on the projector, you need conversion plugs.

Selecting the Menu Language

You can select the language for displaying in the menu and other on screen display. The factory setting is ENGLISH.

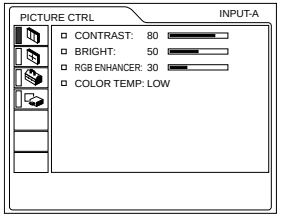


1 Plug the AC power cord into the wall outlet.

2 Press the I / ⏻ key to turn on the power.

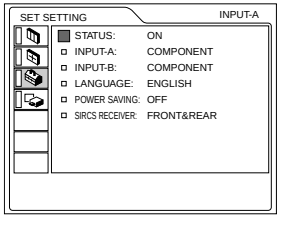
3 Press the MENU key.

The menu display appears.

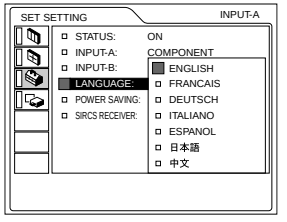


4 Select the icon of SET SETTING Menu, the third one, by using the ↑ or ↓ key, then press the → or ENTER key.

The SET SETTING Menu appears.



5 Select LANGUAGE with the ↑ or ↓ key, then press the → or ENTER key.



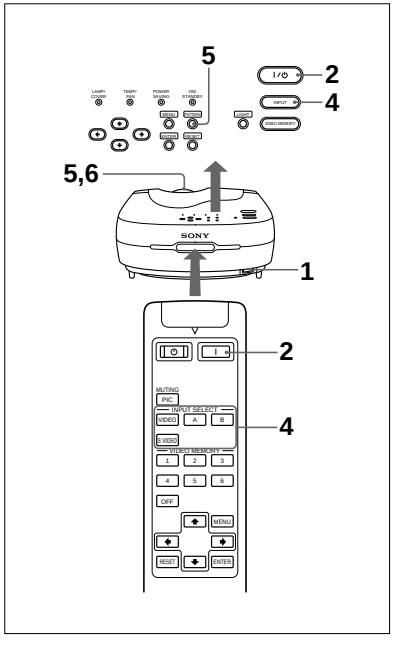
6 Select the language desired with the ↑ or ↓ key, then press the ← or ENTER key.

The menu changes into the selected language .

To clear the menu display

Press the MENU key.
The menu display disappears automatically if no key is pressed for one minute.

Projecting



1 After all equipment is completely connected, plug the AC power cord into the wall outlet.

The ON/STANDBY indicator lights in red and the projector goes into the standby mode.

2 Press the I / ⏻ key on the control panel or the I key on the Remote Commander.

The ON/STANDBY indicator lights in green.

3 Turn on equipment connected to the projector.

4 Press the INPUT key to select the input source.

INPUT-A:	Selects video signal input from the INPUT A connector, such as component equipment.
INPUT-B:	Selects video signal input from the INPUT B connector, such as component equipment.
VIDEO:	Selects video signal input from the VIDEO (VIDEO IN) jack.
S-VIDEO:	Selects video signal input from the S VIDEO (VIDEO IN) jack.

5 Press the PATTERN key on the control panel to display the test pattern, and turn the focus ring to adjust the focus.
Press the PATTERN key again to clear the test pattern.

6 Turn the zoom ring to adjust the size of the picture.

Note

Looking into the lens when projecting may cause injury to your eyes.

To	Press
Cut off the picture	the MUTING PIC key on the remote commander. To restore the picture, press the MUTING PIC key again.

To correct the trapezoid

When the projecting image is a trapezoid, change the projector's position/height by moving the adjuster.
For details on "How to use the adjuster", see page 10 (GB).

If the image is still a trapezoid, correct it in DIGIT KEYSTONE in the INSTALL SETTING menu.

When the base edge is longer than the upper edge as shown in the figure below:

Set the value to negative.

When the upper edge is longer than the base edge as shown in the figure below:

Set the value to positive.

Note

If "ZOOM", "FULL" or "NORMAL" have been selected in the ASPECT of the INPUT SETTING menu, you can change the trapezoid.

For details on "DIGIT KEYSTONE", see page 28 (GB).

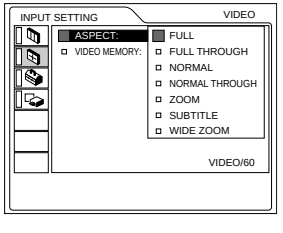
Changing the aspect

You can change the aspect according to the video signal. For details on the menu screen operation, see "Using the Menu" on page 21 (GB).

1 Press the MENU key to display the menu.

2 Press the ↑ or ↓ key to select INPUT SETTING menu, then press the → or ENTER key.

3 Press the ↑ or ↓ key to select ASPECT, then press the → or ENTER key.



4 Make setting or adjustment on an item.

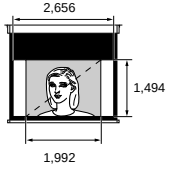
For details on setting individual items, see page 24 (GB).

The picture size for the screen size

Refer to the following for selecting the aspect.

When the 4:3 picture is displayed on the 16:9 screen

Example: The 120 inch screen is used.

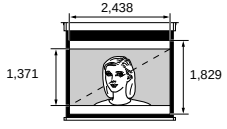


The 98 inch picture is displayed

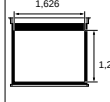
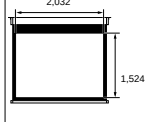
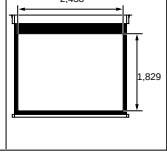
16:9 screen		4:3 picture	
Size (Inch)	Unit (mm)	Unit (mm)	Size (Inch)
90	1,992 × 1,121	1,494 × 1,121	73
110	2,435 × 1,370	1,826 × 1,370	90
120	2,656 × 1,494	1,992 × 1,494	98

When the 16 : 9 picture is displayed on the 4 : 3 screen

Example: The 120 inch screen is used.



The 110 inch picture is displayed.

4:3 screen		16:9 picture	
Size (Inch)	Unit (mm)	Unit (mm)	Size (Inch)
80			73
100			91
120			110

Notes on changing the aspect

This projector provides you with the various choices of aspects. When changing the aspect, check the following:

- Select an aspect taking into account that one which changes the aspect ratio of the original picture will provide a different look from that of the original image.
- Also note that if the projector is used for profit or for public viewing, modifying the original picture by switching aspects may constitute an infringement of the rights of authors or producers which are legally protected by laws.

To turn off the power

To turn off the power from the control panel

1 Press the I / ⏻ key on the control panel.

"Power OFF?" appears on the screen.

Note

The message will disappear if you press any key except the I / ⏻ key, or if you do not press any key for five seconds.

2 Press the I / ⏻ key.

The ON/STANDBY indicator flashes in green and the fan continues to run for about 120 seconds to reduce the internal heat. Also, the ON/STANDBY indicator flashes quickly for the first 40 seconds. During this time, you will not be able to turn the power back on with the I / ⏻ key.

3 Unplug the AC power cord from the wall outlet after the fan stops running and the ON/STANDBY indicator lights in red.

When you cannot confirm the on-screen message

When you cannot confirm the on-screen message in a certain condition, you can turn off the power by holding the I / ⏻ key for about one second.

To turn off the power from the Remote Commander

1 Press the ⏻ key on the Remote Commander.

2 Unplug the AC power cord from the wall outlet after the fan stops running and the ON/STANDBY indicator lights in red.

Note

Do not unplug the AC power cord while the fan is still running; otherwise, the fan will stop although the internal heat is still high, leading to breakdown of the projector.

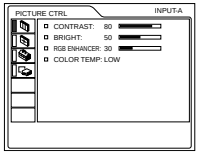
About the air filter cleaning

Clean the air filter every 300 hours to ensure optimal performance.

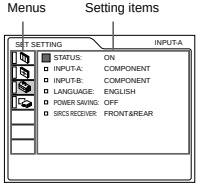
Using the MENU

The projector is equipped with an on-screen menu for making various adjustments and settings.
You can select the language for displaying in the menu.
For details on the selecting the language used in the menu, see page 17 (GB).

1 Press the MENU key.
The menu display appears.
The menu presently selected is shown as a yellow button.



2 Use the ↑ or ↓ key to select a menu, then press the → or ENTER key.
The selected menu appears.



3 Select an item.
Use the ↑ or ↓ key to select the item, then press the → or ENTER key.

4 Adjust an item.

- When changing the adjustment level:
  To increase the number, press the ↑ or → key.
  To decrease the number, press the ↓ or ← key.
  Press the ENTER key to restore the original screen.
- When changing the setting:
  Press the ↑ or ↓ key to change the setting.
  Press the ← or ENTER key to restore the original screen.

For details on setting individual items, see the relevant menu pages.

To clear the menu display

Press the MENU key.
The menu display disappears automatically if no key is pressed for one minute.

To reset items that have been adjusted

Press the RESET key.
"Complete!" appears on the screen and the settings appearing on the screen will be reset to their factory preset values.
Items which can be reset are:

- "CONTRAST", "BRIGHT", "COLOR", "HUE", "SHARP" and "RGB ENHANCER" in the PICTURE CTRL menu.
- "DOT PHASE", "SIZE H" and "SHIFT" in the INPUT SETTING menu.

About the memory of the settings

The settings are automatically stored in the projector memory.

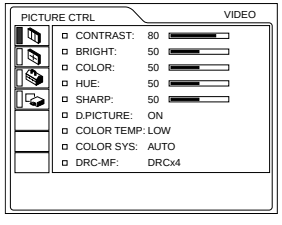
When no signal is input

When there is no input signal, "NO INPUT–Cannot adjust this item." appears on the screen, and each item cannot be adjusted.

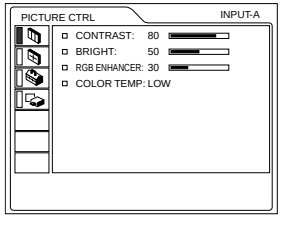
The PICTURE CTRL Menu

The PICTURE CTRL (control) menu is used for adjusting the picture.
Unadjustable items depending on the input signal are not displayed in the menu.

When the video signal is input



When the RGB signal is input



CONTRAST

Adjusts the picture contrast.
The higher the setting, the greater the contrast.
The lower the setting, the lower the contrast.

BRIGHT

Adjusts the picture brightness.
The higher the setting, the brighter the picture.
The lower the setting, the darker the picture.

COLOR

Adjusts color intensity.
The higher the setting, the greater the intensity.
The lower the setting, the lower the intensity.

HUE

Adjusts color tones.
The higher the setting, the picture becomes greenish.
The lower the setting, the picture becomes purplish.

SHARP

Adjusts the picture sharpness.
The higher the setting, the sharper the picture.
The lower the setting, the softer the picture.

RGB ENHANCER

Adjusts the picture sharpness when the computer signals are input.
The higher the setting, the sharper the picture.
The lower the setting, the softer the picture.

D. (Dynamic) PICTURE

Emphasizes the black color.
ON: Emphasizes the black color to produce a bolder "dynamic" picture.
OFF: Reproduces the dark portions of the picture accurately, in accordance with the source signal.

COLOR TEMP

Adjusts the color temperature.
HIGH: Makes the white color bluish.
LOW: Makes the white color reddish.

COLOR SYS (System)

Selects the color system of the input signal.
AUTO: Automatically selects one of the following signals: NTSC 3.58, PAL, SECAM, NTSC4.43.
PAL-M/N: Automatically selects one of the following signals: PAL-M/PAL-N, NTSC3.58.
Normally, set to AUTO.
If the picture is distorted or colorless, select the color system according to the input signal.

DRC-MF

Smoothes out a large size video image.
DRC × 4: Doubles the number of the video signal scanning lines and the number of horizontal pixels, resulting in quadrupled image quality.
DRC PROGRESSIVE: Displays a clear line or characters without line flickering.

Input signals and adjustable/setting items

Item	Input signal				
	Video or S video (Y/C)	Component/ 15k RGB	Progressive Component/ HDTV/ DTV	RGB[1)]	B&W
CONTRAST	●	●	●	●	●
BRIGHT	●	●	●	●	●
COLOR	●	●	●	–	–
HUE	● (NTSC3.58/ 4.43 only)	●	●	–	–
SHARP	●	●	●	–	●
RGB ENHANCER	–	–	–	●	–
D. PICTURE	●	●	–	–	●
COLOR TEMP	●	●	●	●	●
COLOR SYS	●	–	–	–	●
DRC-MF	●	●	–	–	●

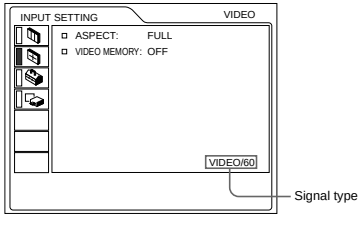
● : Adjustable/can be set
– : Not adjustable/can not be set

1) The RGB signals of a computer

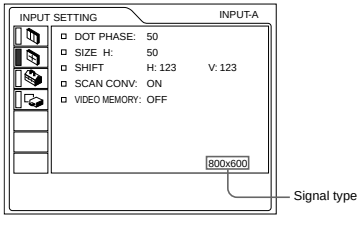
The INPUT SETTING Menu

The INPUT SETTING menu is used to adjust the input signal.
Unadjustable items depending on the input signal are not displayed in the menu.

When the video signal is input



When the RGB signal is input



DOT PHASE

Adjusts the phase of the LCD dots and the computer signal input from the INPUT A/B connector.
Adjust the picture to where it looks clearest.

SIZE H

Adjusts the horizontal size of the picture input from the INPUT A/B connector.
The higher the setting, the larger the horizontal size of the picture. The lower the setting, the smaller the horizontal size of the picture. Adjust the setting according to the dots of the input signal. For details on the suitable value for the preset signals, see page 26 (GB).

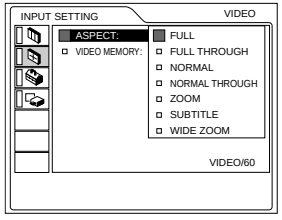
SHIFT

Adjusts the position of the picture input from the INPUT A/B connectors or VIDEO IN jacks.
H adjusts the horizontal position of the picture.
V adjusts the vertical position of the picture.
As the setting for H increases, the picture moves to the right, and as the setting decreases, the picture moves to the left.
As the setting for V increases, the picture moves up, and as the setting decreases, the picture moves down.
Use the ← or the → key to adjust the horizontal position and the ↑ and ↓ key for the vertical position.

ASPECT

Sets the following aspect setting:

4:3 NORMAL, NORMAL THROUGH
16:9 FULL, FULL THROUGH, ZOOM, SUBTITLE, WIDE ZOOM.



FULL: The 16:9 squeezed image is displayed with the correct aspect. The 4:3 image is enlarged horizontally.

FULL THROUGH: One-to-one mapping is done on a squeezed 16:9 image. The image is displayed at the center of the screen.

NORMAL: The picture with normal ratio 4:3 is displayed.

NORMAL THROUGH: One-to-one mapping is done on the picture with a normal ratio of 4:3. The picture is displayed at the center of the screen.

ZOOM: The picture with normal ratio 4:3 is enlarged vertically and horizontally (with same ratio) to the screen size. This mode is ideal for capturing the full-screen drama of wide-format movies.

SUBTITLE: The subtitle area is compressed. This mode leaves the subtitles on the lower part of the screen.

WIDE ZOOM: The picture with normal ratio 4:3 is enlarged and the upper and lower portions of the picture are compressed. This is ideal for general programs, such as news or variety shows.

Note

You cannot change the image mode while the projector is projecting a high definition image or DTV signal.

The adjustable/unadjustable items depending on the aspect setting

Items	V SCROLL	TITLE AREA	DIGIT KEYSTONE
FULL	–	–	●
FULL THROUGH	–	–	–
NORMAL	–	–	●
NORMAL THROUGH	–	–	–
ZOOM	●	–	●
SUBTITLE	●	●	–
WIDE ZOOM	–	–	–

● : Adjustable – : Unadjustable

SCAN CONV (Scan converter)

Converts the signal to display the picture according to the screen size.

ON: Enlarges the picture according to the screen aspect. The picture will lose some clarity.
OFF: Displays the picture while matching one pixel of input picture element to that of the LCD. The picture will be clear but the picture size will be smaller.

Note

When the XGA or SXGA signal is input, this item will not be displayed.

V SCROLL

Adjusts the vertical position of the picture.
Adjustable range is 0 to +7.
As the setting increases, the picture moves up, and as the setting decreases, the picture moves down. To resume the normal position, press the RESET key.

TITLE AREA

Adjusts the subtitle area.
Adjustable range is 0 to +7.
As the setting increases, the subtitle area becomes wide, and as the setting decreases, the subtitle area becomes narrow.
To resume the normal area, press the RESET key.

Note

Although the adjustable range displayed is 0 to +7, the actual range may be limited depending on the V SCROLL setting.

VIDEO MEMORY

Displays the selected video memory number. There are 6 memory settings. If you select OFF, the image is displayed according to the settings stored in each channel memory.

How to set the VIDEO MEMORY

Using the Remote Commander

1 Press the desired number (1 – 6) of the VIDEO MEMORY keys.
The selected memory number is displayed in the menu.
2 From an appropriate menu, select an item to be adjusted and adjust the setting using the ↑, ↓, ← or → keys.
3 Press the ← or ENTER key.
The adjusted item (setting) is stored in the selected memory number. The screen returns to the previous screen.

Using the Control Panel

1 Select a VIDEO MEMORY number (1 – 6) by pressing the VIDEO MEMORY key.
(You can also set the VIDEO MEMORY with the menu operation.)
2 From an appropriate menu, select an item to be adjusted and adjust the setting using the ↑, ↓, ← or → keys.
3 Press the ← or ENTER key.
The adjusted item (setting) is stored in the selected memory number. The screen returns to the previous screen.

Input signals and adjustable/setting items

Item	Input signal				
	Video or S video (Y/C)	15k RGB/ Progressive Component	HDTV/ DTV	RGB[1)]	B&W
DOT PHASE	–	–	●	●	–
SIZE H	–	●	●	●	–
SHIFT	–	●	●	●	–
ASPECT	●	●	–	–	●
SCAN CONV	–	–	–	● (lower than SVGA only)	–
V SCROLL	○	○	–	–	○
TITLE AREA	○	○	–	–	○
VIDEO MEMORY	●	●	●	●	●

● : Adjustable/can be set
– : Not adjustable/can not be set
○ : Aspect ratio dependent item

About the preset memory

This projector has 43 kinds of preset data for input signals (the preset memory). When the preset signal is input, this projector automatically detects the signal type. When the signal is registered to the preset memory, a suitable picture is displayed on the screen according to the signal type. The type of input signal is displayed in the INPUT SETTING menu. You can adjust the preset data through the INPUT SETTING menu.
This projector also has 20 kinds of user memories for each INPUT-A/B. You can register a new type of signal that is not preset. When an unpreset signal is input for the first time, the setting via INPUT-A/B adjusted in the INPUT SETTING menu is stored. When more than 20 user memories are registered for each INPUT-A/B, the newest memory is automatically stored over the oldest one.

1) The RGB signals of a computer

Preset signals

Memory No.	Preset signal		fH (kHz)	fV (Hz)	Sync	SIZE H
1	Video 60 Hz		15.734	59.940	H-neg V-neg	1572
2	Video 50 Hz		15.625	50.000	H-neg V-neg	1864
3	15k RGB/Component 60 Hz		15.734	59.940	SonG	1572
4	15k RGB/Component 50 Hz		15.625	50.000	SonG	1864
5	HDTV		33.750	60.000	SonG	2200
6	640 × 350	VGA mode 1	31.469	70.086	H-pos V-neg	800
7		VGA VESA 85 Hz	37.861	85.080	H-pos V-neg	832
8	640 × 400	PC-9801 Normal	24.823	56.416	H-neg V-neg	848
9		VGA mode 2	31.469	70.086	H-neg V-pos	800
10		VGA VESA 85 Hz	37.861	85.080	H-neg V-pos	832
11	640 × 480	VGA mode 3	31.469	59.940	H-neg V-neg	800
12		Macintosh 13"	35.000	66.667	SonG	864
13		VGA VESA 72 Hz	37.861	72.809	H-neg V-neg	832
14		VGA VESA 75 Hz	37.500	75.000	H-neg V-neg	840
15		VGA VESA 85 Hz	43.269	85.008	H-neg V-neg	832
16	800 × 600	SVGA VESA 56 Hz	35.156	56.250	H-pos V-pos	1024
17		SVGA VESA 60 Hz	37.879	60.317	H-pos V-pos	1056
18		SVGA VESA 72 Hz	48.077	72.188	H-pos V-pos	1040
19		SVGA VESA 75 Hz	46.875	75.000	H-pos V-pos	1056
20		SVGA VESA 85 Hz	53.674	85.061	H-pos V-pos	1048
21	832 × 624	Macintosh 16"	49.724	74.550	H-neg V-neg	1152
22	1024 × 768	XGA VESA 43 Hz	35.524	43.479	H-pos V-pos	1264
23		XGA VESA 60 Hz	48.363	60.004	H-neg V-neg	1344
24		XGA VESA 70 Hz	56.476	69.955	H-neg V-neg	1328
25		XGA VESA 75 Hz	60.023	75.029	H-pos V-pos	1312
26		XGA VESA 85 Hz	68.677	84.997	H-pos V-pos	1376
27	1152 × 864	SXGA VESA 70 Hz	63.995	70.019	H-pos V-pos	1472
28		SXGA VESA 75 Hz	67.500	75.000	H-pos V-pos	1600
29		SXGA VESA 85 Hz	77.487	85.057	H-pos V-pos	1568
30	1152 × 900	Sunmicro LO	61.795	65.960	H-neg V-neg	1504
31		Sunmicro HI	71.713	76.047	C-neg	1472
32	1280 × 960	SXGA VESA 60 Hz	60.000	60.000	H-pos V-pos	1800
33		SXGA VESA 75 Hz	75.000	75.000	H-pos V-pos	1728
34	1280 × 1024	SXGA VESA 43 Hz	46.433	43.436	H-pos V-pos	1696
35		SGI-5	53.316	50.062	SonG	1680
36		SXGA VESA 60 Hz	63.974	60.013	H-pos V-pos	1696
37		SXGA VESA 75 Hz	79.976	75.025	H-pos V-pos	1688

43	480/60p	480/60p (Progressive component)	31.470	60.000	SonG	774
44	575/50p	575/50p (Progressive component)	31.250	50.000	SonG	920
45	1080/50i	1080/50i	28.130	50.000		2640
47	720/60p	720/60p	45.000	60.000		1650
48	720/50p	720/50p	37.500	50.000		1980
49	1080/48i	1080/48i	27.000	48.000		2750

After the data has been recalled from the preset memory about the following signals, you can use these preset data by adjusting SIZE H. Make fine adjustment by adjusting SHIFT.

Signal	Memory No.	SIZE H
Super Mac-2	23	1312
SGI-1	23	1320
Macintosh 19"	25	1328
Macintosh 21"	28	1456
Sony News	36	1708
PC-9821 1280 × 1024	36	1600
WS Sunmicro	37	1664

Note

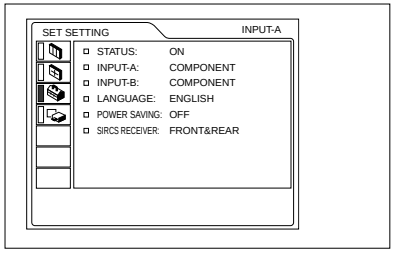
A part of the screen is displayed in black depending on the aspect ratio of the input signal.

The adjustable items in the VIDEO MEMORY

Items which can set in the VIDEO MEMORY are:
- "CONTRAST", "BRIGHT", "COLOR", "HUE", "SHARP", "RGB ENHANCER", "D.PICTURE", "COLOR TEMP", "COLOR SYS" and "DRC-MF" in the PICTURE CTRL menu.
- "ASPECT", "SCAN CONV", "V SCROLL" and "TITLE AREA" in the INPUT SETTING menu.

The SET SETTING Menu

The SET SETTING menu is used for changing the settings of the projector.



STATUS (on-screen display)

Sets up the on-screen display.
ON: Shows all of the on-screen displays.
OFF: Turns off the on-screen displays except for the menus, a message when turning off the power, and warning messages.

INPUT-A

Selects the computer, component, DTV YPBPR or DTV GBR signal input from the INPUT A connectors.

Note

If the setting is not correct, "Please check INPUT-A setting." appears on the screen and the color of the picture becomes strange or the picture is not displayed.

INPUT-B

Selects the computer, component, DTV YPBPR or DTV GBR signal input from the INPUT B connectors.

Notes

- If the setting is not correct, "Please check INPUT-B setting." appears on the screen and the color of the picture becomes strange or the picture is not displayed.
- Set the progressive component signal, e.g. DVD, to "DTV YPBPR"; 15k RGB signal, e.g. game machines, to "COMPUTER".

LANGUAGE

Selects the language used in the menu and on-screen displays.
Available languages are: English, French, German, Italian, Spanish, Japanese and Chinese.

POWER SAVING

When set to ON, the projector goes into the power saving mode if no signal is input for 10 minutes.
The power saving mode is canceled when a signal is input or any key is pressed.

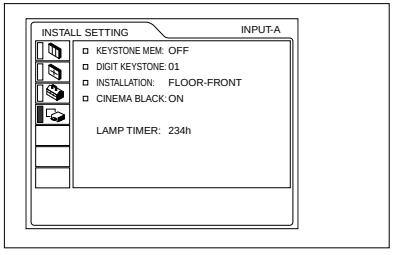
SIRCS RECEIVER

Selects the remote control detectors (SIRCS receiver) on the front and rear of the projector.

FRONT & REAR: Activates both the front and rear detectors.
FRONT: Activates the front detector only.
REAR: Activates the rear detector only.

The INSTALL SETTING Menu

The INSTALL SETTING menu is used for changing the settings of the projector.



KEYSTONE MEM

ON: DIGIT KEYSTONE setting is stored.
The data is retrieved when the projector power is turned on. The setting will remain the same every time.
OFF: DIGIT KEYSTONE is reset to 0 when the power is turned on the next time.

DIGIT KEYSTONE

Corrects the trapezoid caused by the projection angle. If the base edge is longer, set a negative value; if the upper edge is longer, set a positive value to square the image.

Note

If "ZOOM", "FULL" or "NORMAL" have been selected in the ASPECT of the INPUT SETTING, you can change the trapezoid.

INSTALLATION

Sets to reverse the picture horizontally or vertically.

FLOOR-FRONT: The picture is not reversed.
CEILING-FRONT: The picture is reversed horizontally and vertically.
FLOOR-REAR: The picture is reversed horizontally.
CEILING-REAR: The picture is reversed vertically.

Note

In case of using a mirror, be careful of installation since the picture may be reversed.

CINEMA BLACK

Switches the lamp wattage during projection.
OFF: Normal wattage.
ON: Enhances the black by reducing the lamp wattage.

LAMP TIMER

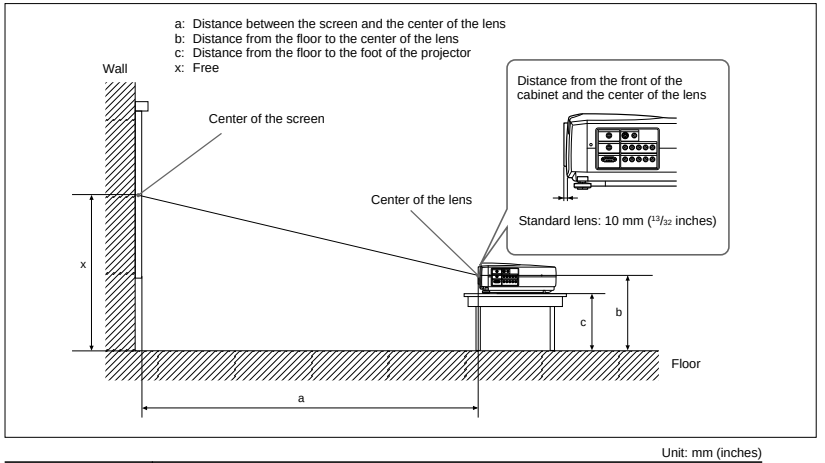
Indicates how long the lamp has been turned on.

Note

This only displays the time. You cannot alter the display.

Installation Examples

Floor Installation



Unit: mm (inches)

16:9 Screen size (inches)		40	60	80	100	120	150	180	200	250	300
a	Minimum	1260 (49 5/8)	1930 (76)	2600 (102 3/8)	3270 (128 7/8)	3930 (154 3/4)	4940 (194 5/8)	5940 (234)	6610 (260 3/8)	8270 (325 3/4)	9940 (391 1/2)
	Maximum	1470 (58)	2240 (88 1/4)	3010 (118 5/32)	3780 (148 7/8)	4550 (179 1/4)	5710 (224 7/8)	6860 (270 1/8)	7630 (300 1/2)	9560 (376 1/2)	11480 (452 1/8)
b		x–249 (9 7/8)	x–374 (14 3/4)	x–498 (19 5/8)	x–623 (24 5/8)	x–747 (29 1/2)	x–934 (36 7/8)	x–1121 (44 1/8)	x–1245 (49 1/8)	x–1556 (61 3/8)	x–1868 (73 5/8)
c		x–349 (13 3/4)	x–473 (18 5/8)	x–598 (23 5/8)	x–722 (28 1/2)	x–847 (33 3/8)	x–1033 (40 3/4)	x–1220 (48 1/8)	x–1345 (53)	x–1656 (65 1/4)	x–1967 (77 1/2)

To calculate the installation measurement (unit: mm)

SS: screen size diagonal (inches)
a (minimum) = {(SS × 44.22/1.3573) – 70.76208} × 1.025
a (maximum) = {(SS × 53.599173/1.3573) – 70.17171} × 0.975
b = x – (SS/1.3573 × 8.45)
c = x – (SS/1.3573× 8.45 + 99.5)

Unit: mm (inches)

4:3 Screen size (inches)		40	60	80	100	120	150	180	200	250	300
a	Minimum	1560 (61 1/2)	2380 (93 3/4)	3200 (126)	4020 (158 5/16)	4830 (190 1/4)	6060 (238 5/8)	7290 (287 1/8)	8100 (319)	10150 (399 3/4)	12190 (480)
	Maximum	1820 (71 3/4)	2760 (108 3/4)	3700 (145 3/4)	4650 (183 1/8)	5590 (220 1/8)	7000 (275 5/8)	8420 (331 5/8)	9360 (368 5/8)	11720 (461 1/2)	14070 (554 1/8)
b		x–305 (12)	x–457 (18 1/8)	x–610 (24 1/8)	x–762 (30 1/8)	x–915 (36 1/8)	x–1143 (45 1/8)	x–1372 (54 1/8)	x–1524 (60 1/8)	x–1905 (75 1/8)	x–2287 (90 1/8)
c		x–404 (16)	x–557 (22)	x–709 (28)	x–802 (34)	x–1014 (40)	x–1243 (49)	x–1471 (58)	x–1624 (64)	x–2005 (78 31/32)	x–2386 (94)

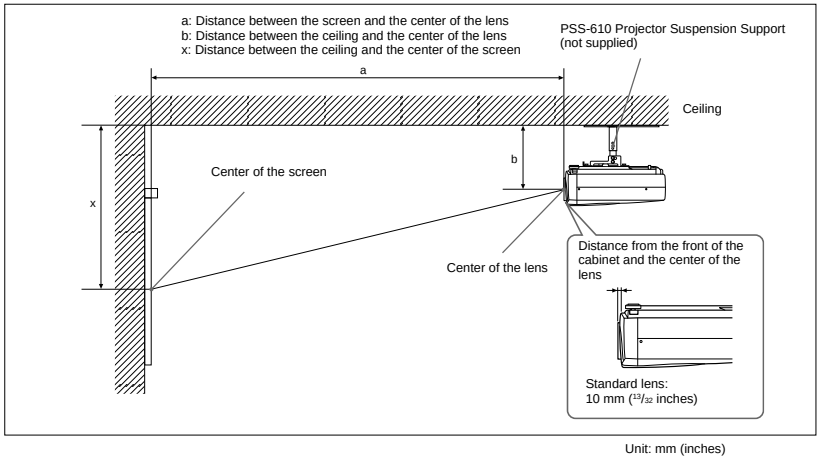
To calculate the installation measurement (unit: mm)

SS: screen size diagonal (inches)
a (minimum) = {(SS × 44.22/1.1087) – 70.76208} × 1.025
a (maximum) = {(SS × 53.597384/1.1087) – 70.27214} × 0.975
b = x – (SS/1.1087 × 8.45)
c = x – (SS/1.1087 × 8.45 + 99.5)

Ceiling Installation

When installing the projector on the ceiling, use the PSS-610 Projector Suspension Support.

For ceiling installation, consult with qualified Sony personnel.



Unit: mm (inches)

16:9 Screen size (inches)		80	100	120	150	180	200	250	300
a	Minimum	2600 (102 3/8)	3270 (128 7/8)	3930 (154 3/4)	4940 (194 5/8)	5940 (234)	6610 (260 3/8)	8270 (325 3/4)	9940 (391 1/2)
	Maximum	3010 (118 9/32)	3780 (148 7/8)	4550 (179 1/4)	5710 (224 7/8)	6860 (270 1/8)	7630 (300 1/2)	9560 (376 1/2)	11480 (452 1/8)
x		b+498 (19 5/8)	b+623 (24 5/8)	b+747 (29 1/2)	b+934 (36 7/8)	b+1121 (44 1/8)	b+1245 (49 1/8)	b+1556 (61 3/8)	b+1868 (73 5/8)
b		231/256/281/331/356/381 mm (9 1/8/10 1/8/11 1/8/13 1/8/14 1/8/15 inches) adjustable when using PSS-610							

To calculate the installation measurement (unit: mm)

SS: screen size diagonal (inches)

a (minimum) = {(SS × 44.22/1.3573) – 70.76208} × 1.025

a (maximum) = {(SS × 53.599173/1.3573) – 70.17171} × 0.975

x = b + (SS/1.3573 × 8.45)

Unit: mm (inches)

4:3 Screen size (inches)		80	100	120	150	180	200	250	300
a	Minimum	3200 (126)	4020 (158 5/16)	4830 (190 1/4)	6060 (238 5/8)	7290 (287 1/8)	8100 (319)	10150 (399 3/4)	12190 (480)
	Maximum	3700 (145 3/4)	4650 (183 1/8)	5590 (220 1/8)	7000 (275 5/8)	8420 (331 5/8)	9360 (368 5/8)	11720 (461 1/2)	14070 (554 1/8)
x		b+610 (24 1/8)	b+762 (30 1/8)	b+915 (36 1/8)	b+1143 (45 1/8)	b+1372 (54 1/8)	b+1524 (60 1/8)	b+1905 (75 1/8)	b+2287 (90 1/8)
b		231/256/281/331/356/381 mm (9 1/8/10 1/8/11 1/8/13 1/8/14 1/8/15 inches) adjustable when using PSS-610							

To calculate the installation measurement (unit: mm)

SS: screen size diagonal (inches)

a (minimum) = {(SS × 44.22/1.1087) – 70.76208} × 1.025

a (maximum) = {(SS × 53.597384/1.1087) – 70.27214} × 0.975

x = b + (SS/1.1087 × 8.45)

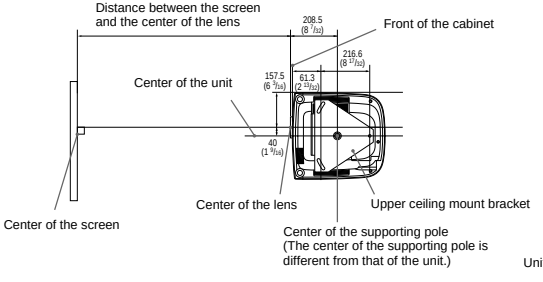
Attaching the projector suspension support PSS-610

When installing the projector on the ceiling, use the PSS-610 Projector Suspension Support. For more details on the ceiling installation, refer to the Installation manual for Dealers of the PSS-610. The installation measurements are shown below when you install the projector on the ceiling.

Installation Diagram

Top view

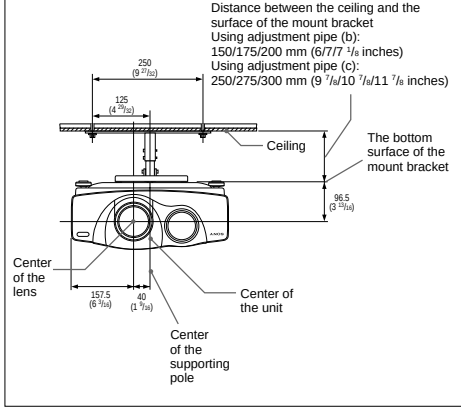
Align the center of the lens with the center of the screen.



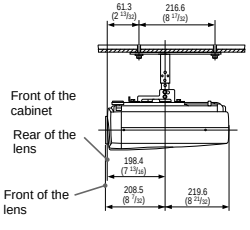
Units: mm (inches)

Front view

The lens is offset 40 mm (1 9/16 inch) to the right from the center of the supporting pole. When mounting, take care to align the center of the lens with the center of the screen; not the center of the supporting pole.



Side view



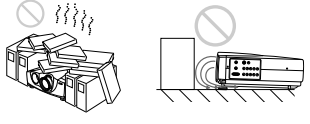
Units: mm (inches)

Notes for Installation

Unsuitable Installation

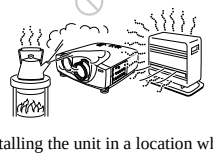
Do not install the projector in the following situations. These installations may cause malfunction or damage to the projector.

Poorly ventilated



- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes. When the internal heat builds up due to the block-up, the temperature sensor will function with the message “High Temp.! Lamp off in 1 min.” The power will be turned off automatically after one minute.
- Leave space of more than 30 cm (11 7/8 inches) around the unit.
- Be careful that the ventilation holes may inhale tininess such as a piece of paper.
- If you put something in front of the front ventilation holes, the exhaust may be inhaled into the projector through the ventilation holes at the bottom, causing the internal temperature to rise, which activates the protection circuit. Install the projector so that the exhaust is not blocked.

Highly heated and humid



- Avoid installing the unit in a location where the temperature or humidity is very high, or temperature is very low.
- To avoid moisture condensation, do not install the unit in a location where the temperature may rise rapidly.

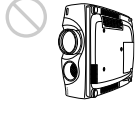
Very dusty

Avoid installing the unit in a location where there is a lot of dust; otherwise, the air filter will be obstructed. The dust blocking the air through the filter may cause raising the internal heat of the projector. Clean it up periodically.

Unsuitable Conditions for Use

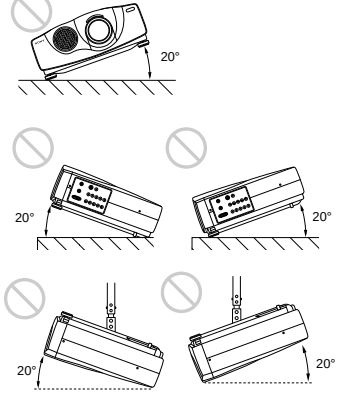
Do not do any of the following.

Toppling of the unit



Avoid using as the unit topples over on its side. It may cause malfunction.

Tilting front/rear and right/left



Avoid using as the unit tilts more than 20 degrees. Do not install the unit other than on the floor or ceiling. These installation may cause malfunction.

Blocking the ventilation holes

Avoid using something to cover over the ventilation holes; otherwise, the internal heat may build up.

Maintenance

Replacing the Lamp

When the lamp becomes darker, replace the lamp promptly with a new LMP-P200 Projector Lamp (not supplied).
It is recommended to replace the lamp with a new one after about 1000 hours for the OFF setting, or about 2000 hours for the ON setting in the CINEMA BLACK.

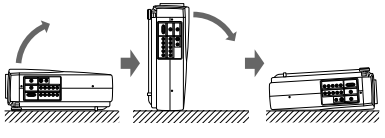
When replacing the lamp after using the projector

Turn off the projector, then unplug the power cord.
Wait for at least an hour for the lamp to cool.

Note

The lamp becomes a high temperature after turning off the projector with the I / ⏻ key. If you touch the lamp, you may scald your finger. When you replace the lamp, wait for at least an hour for the lamp to cool.

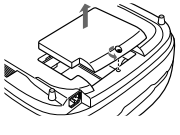
1 Place a protective sheet (cloth) beneath the projector.
Hold the projector and turn the projector toward the back as shown below.



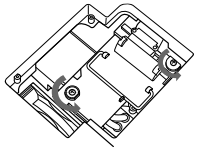
Note

When replacing the lamp, be sure the unit is on a flat and stable surface.

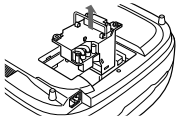
2 Open the lamp cover by loosening one screw with the Philips screwdriver (supplied with the LMP-P200 Projector Lamp).



3 Loosen two screws on the lamp unit with the Philips screwdriver.



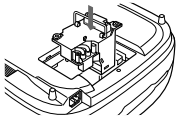
4 While holding the handle and keeping the lamp unit horizontal, pull straight up.



Notes

- Pull out the lamp unit by holding the handle. If you touch the lamp unit, you may be burned or injured.
- When removing the lamp unit, make sure it remains horizontal, then pull straight up. Do not tilt the lamp unit. If you pull out the lamp unit while tilted and if the lamp breaks, the pieces may scatter, causing injury.
- If the lamp breaks, consult with qualified Sony personnel.

5 Insert the new lamp all the way in until it is securely in place. Tighten the screws. Fold down the handle.



Notes

- Be careful not to touch the glass surface of the lamp.
- The power will not turn on if the lamp is not secured properly.

6 Close the lamp cover and tighten the screw.

7 Turn the projector back over.

8 Connect the power cord and turn the projector to the standby mode.

9 Press the following keys on the control panel in the following order for less than in five seconds each: RESET, ←, →, ENTER.

Notes

- Do not put your hands into the lamp replacement spot, or not fall any liquid or object into it to avoid electrical shock or fire.
- Be sure to use the LMP-P200 Projector Lamp for replacement. If you use lamps other than LMP-P200, the projector may cause a malfunction.
- Be sure to turn off the projector and unplug the power cord before replacing the lamp.

Disposal of used projector lamp

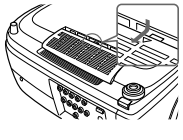
As the materials used in this lamp are similar to those of a fluorescent lamp, you should dispose of a used projector lamp in the same way as a fluorescent lamp.

Cleaning the Air Filter

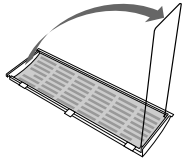
The air filter should be cleaned every 300 hours.
When it becomes difficult to remove the dust from the filter, replace the filter with a new one.
To clean the air filter, follow the steps below:

1 Turn off the power and unplug the power cord.

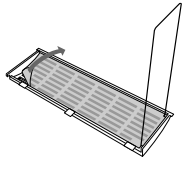
2 While pressing the triangle mark on the air filter cover, slide and remove the air filter cover (at the bottom of the projector).



3 Pull up the spring.



4 Remove the air filter.



5 Remove the dust from the filter with a vacuum cleaner.

6 Attach the air filter and replace the cover.

Notes

- If the air filter is excessively dirty, wash it with a mild detergent solution and dry it in a shaded place. If the dust cannot be removed, replace the air filter with the supplied new one.
- Be sure to attach the air filter cover firmly; the power will not be turned on if it is not closed securely.

Troubleshooting

If the projector appears to be operating erratically, try to diagnose and correct the problem, using the following guide. If the problem still persists, consult with qualified Sony personnel.

Power

Symptom	Cause	Remedy
The power is not turned on.	The power has been turned off and on with the I / ⏻ key at a short interval.	Wait for about 120 seconds before turning on the power *(see page 20 (GB))*.
	The lamp cover is detached.	Close the lamp cover securely *(see page 34 (GB))*.
	The air filter cover is detached.	Close the air filter cover securely *(see page 35(GB))*.

Image

Symptom	Cause	Remedy
No picture.	Cable is disconnected or not connected properly.	Check that the proper connections have been made *(see pages 15 (GB) and 16 (GB))*.
	Invalid input setting.	Set the INPUT-A/B setting according to the input signal.
	Input selection is incorrect.	Select the input source correctly using the INPUT key *(see page 18 (GB))*.
	Picture is cut off.	Press the MUTING PIC key to release the muting function *(see page 18 (GB))*.
	The computer output signals are not set to output from an external monitor.	Set the computer signal to output to external monitor *(see page 16 (GB))*.
	The computer signal is set to output to both the LCD of the computer and external monitor.	Set the computer signal to output only to external monitor *(see page 16 (GB))*.
The picture is noisy.	If you input computer signals, some noise will appear in the background on certain screens depending on the number of dots in the input signals and LCD pixels.	Change the desktop pattern on the connected computer.
On-screen display does not appear.	STATUS in the SET SETTING menu has been set to OFF.	Set STATUS in the SET SETTING menu to ON *(see page 27 (GB))*.

Remote Commander

Symptom	Cause	Remedy
The Remote Commander does not work.	The Remote Commander batteries are dead.	Replace with new batteries *(see page 14 (GB))*.
	The remote control cable is not connected to the CONTROL S IN connector (projector) or CONTROL S OUT (Remote Commander).	Connect the remote control cable to both the projector and Remote Commander, or disconnect the cable. *(see page 13 (GB))*.
	The front/rear remote control detector is near the fluorescent lamp.	Change the setting of SIRCS RECEIVER in the SET SETTING menu *(see page 27 (GB))*.
	The Remote Commander is used as wired without batteries.	Install batteries *(see page 14 (GB))*.

Others

Symptom	Cause	Remedy
The LAMP/COVER indicator flashes.	The lamp cover or the air filter cover is detached.	Attach the cover securely *(see pages 34 (GB) and 35 (GB))*.
The LAMP/COVER indicator lights up.	The lamp has reached the end of its life.	Replace the lamp *(see page 34 (GB))*.
	The lamp becomes a high temperature.	Wait for 120 seconds to cool down the lamp and turn on the power again *(see page 20 (GB))*.
The TEMP/FAN indicator flashes.	The fan is broken.	Consult with qualified Sony personnel.
The TEMP/FAN indicator lights up.	The internal temperature is unusually high.	Check to see if nothing is blocking the ventilation holes.
Both LAMP/COVER and TEMP/FAN indicators light up.	The electric system failed.	Consult with qualified Sony personnel.

Warning messages

Use the list below to check the meaning of the messages displayed on the screen.

Message	Meaning	Remedy
High temp.! Lamp off in 1 min.	Internal temperature is too high.	Turn off the power. Check to see if nothing is blocking the ventilation holes.
Frequency is out of range!	This input signal cannot be projected as the frequency is out of the acceptable range of the projector.	Input a signal that is within the range of the frequency.
	The resolution setting of the output signal of a computer is too high.	Set the setting of output to the XGA *(see page 16 (GB))*.
Please check INPUT-A setting.	You have input RGB signal from the computer when INPUT-A in the SET SETTING menu is set to COMPONENT, DTV YP_BP_R or DTV GBR.	Set INPUT-A correctly *(see page 27 (GB))*.
Please check INPUT-B setting.	You have input RGB signal from the computer when INPUT-B in the SET SETTING menu is set to COMPONENT, DTV YP_BP_R or DTV GBR.	Set INPUT-B correctly *(see page 27 (GB))*.

Caution messages

Use the list below to check the meaning of the messages displayed on the screen.

Message	Meaning	Remedy
NO INPUT	No input signal	Check connections *(see page 15 (GB) and 16 (GB))*.
Not applicable!	You have pressed the wrong key.	Press the appropriate key.

Specifications

Optical characteristics

Projection system: 3 LCD panels, 1 lens, projection system
LCD panel: 1.35-inch p-Si TFT LCD panel
3,147,264 pixels
(1,049,088 pixels × 3)
Lens: Approx. 1.2 times zoom lens
f 44.6 to 53.6 mm/F 2.2 to 2.5
Lamp: 200 W UHP
Projection picture size
Range: 40 to 300 inches (diagonal measure)
Light output: ANSI lumen[1] 1000 lm
Throwing distance

<16:9>

40-inch: 1260 to 1470 mm (49 5/8 to 58 inches)
60-inch: 1930 to 2240 mm (76 to 88 1/4 inches)
80-inch: 2600 to 3010 mm (102 3/8 to 118 5/8 inches)
100-inch: 3270 to 3780 mm (128 7/8 to 148 7/8 inches)
120-inch: 3930 to 4550 mm (154 3/4 to 179 1/4 inches)
150-inch: 4940 to 5710 mm (194 5/8 to 224 7/8 inches)
180-inch: 5940 to 6860 mm (234 to 270 1/8 inches)
200-inch: 6610 to 7630 mm (260 3/8 to 300 1/2 inches)
250-inch: 8270 to 9560 mm (325 3/4 to 376 1/2 inches)
300-inch: 9940 to 11480 mm (391 1/2 to 452 1/8 inches)

<4:3>

40-inch: 1560 to 1820 mm (61 1/2 to 71 3/4 inches)
60-inch: 2380 to 2760 mm (93 3/4 to 108 3/4 inches)
80-inch: 3200 to 3700 mm (126 to 145 3/4 inches)
100-inch: 4020 to 4650 mm (158 5/16 to 183 1/8 inches)
120-inch: 4830 to 5590 mm (190 1/4 to 220 1/8 inches)
150-inch: 6060 to 7000 mm (238 5/8 to 275 5/8 inches)
180-inch: 7290 to 8420 mm (287 1/8 to 331 5/8 inches)
200-inch: 8100 to 9360 mm (319 to 368 5/8 inches)
250-inch: 10150 to 11720 mm (399 3/4 to 461 1/2 inches)
300-inch: 12190 to 14070 mm (480 to 554 1/8 inches)

Electrical characteristics

Color system: NTSC3.58/PAL/SECAM/NTSC4.43/PAL-M/PAL-N system, switched automatically/manually
Resolution: 750 horizontal TV lines (Video input)
1366 × 768 pixels (RGB input)
Acceptable computer signals
fH: 15 to 80 kHz
fV: 50 to 85 Hz

Input/Output

VIDEO IN: VIDEO: RCA type
Composite video: 1 Vp-p ±2 dB sync negative (75 ohms terminated)
S VIDEO: Y/C mini DIN 4-pin type (female)
Y (luminance): 1 Vp-p ±2 dB sync negative (75 ohms terminated)
C (chrominance): burst 0.286 Vp-p ±2 dB (NTSC) (75 ohms terminated), burst 0.3 Vp-p ±2 dB (PAL) (75 ohms terminated)

INPUT A/B: Component/Progressive component/HDTV/RGB: RCA type (female)
G: 0.7 Vp-p ±2 dB (75 ohms terminated)
G with sync/Y: 1 Vp-p ±2 dB sync negative (75 ohms terminated)
B/CB/PB: 0.7 Vp-p ±2 dB
R/CR/PR: 0.7 Vp-p ±2 dB (75 ohms terminated)
SYNC/HD:
Composite sync input: 1-5 Vp-p high impedance, positive/negative
Horizontal sync input: 1-5 Vp-p high impedance, positive/negative
VD:
Vertical sync input: 1-5 Vp-p high impedance, positive/negative

REMOTE: RS-232C: D-sub 9-pin (female)
CONTROL S IN/PLUG IN POWER
Stereo minijack 5Vp-p, plug in power, DC5V
TRIGGER: Power on: DC 12V
4.7k ohm output impedance
Power off: 0 V
Safety regulations: UL, cUL (CSA), FCC Class B, IC Class B, EN60 950, CE, C-Tick

General

Dimensions: 395 × 168 × 427 mm (13 3/8 × 5 5/8 × 13 1/4 inches) (w/h/d)
Mass: Approx. 8 kg (17 lb 10 oz)
Power requirements
AC 100 to 240 V, 50/60 Hz
Power consumption
Max. 300 W (Standby mode: 6 W)
Peak inrush current
(1) Power ON, current probe method: 58.0A (240V)
(2) Hot switching inrush current, measured in accordance with European standard EN55103-1: 24.3A (230V)
Operating temperature
0°C to 40°C (32°F to 104°F)
Operating humidity
35% to 85% (no condensation)
Storage temperature
–20°C to 60°C (–4°F to 140°F)
Storage humidity: 10% to 90%
Supplied accessories
Remote Commander RM-PJVW10 (1)
Size AA (R6) batteries (2)
Lens Cap (1)
AC power cord (1)
Air filter (for replacement) (1)
Operating Instructions (1)

Design and specifications are subject to change without notice.

1) ANSI lumen is a measuring method of American National Standard IT 7.228.

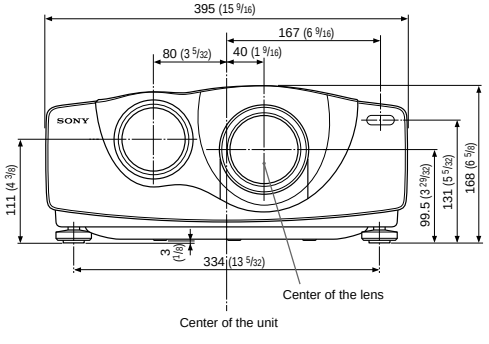
Optional accessories

Projector Lamp LMP-P200 (for replacement)
Projector Suspension Support PSS-610

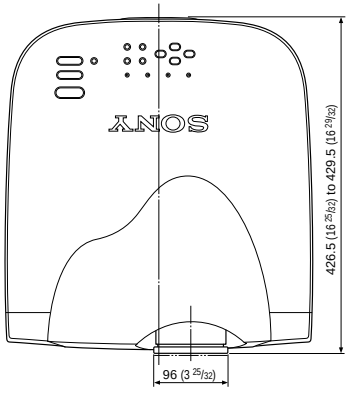
Some of the items may not be available in some areas. For details, please consult your nearest Sony office.

Dimensions

Front

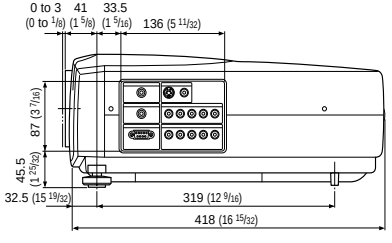


Top

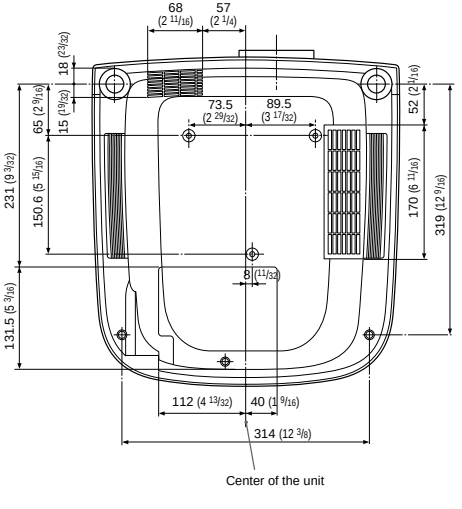


Unit: mm (inches)

Side



Bottom

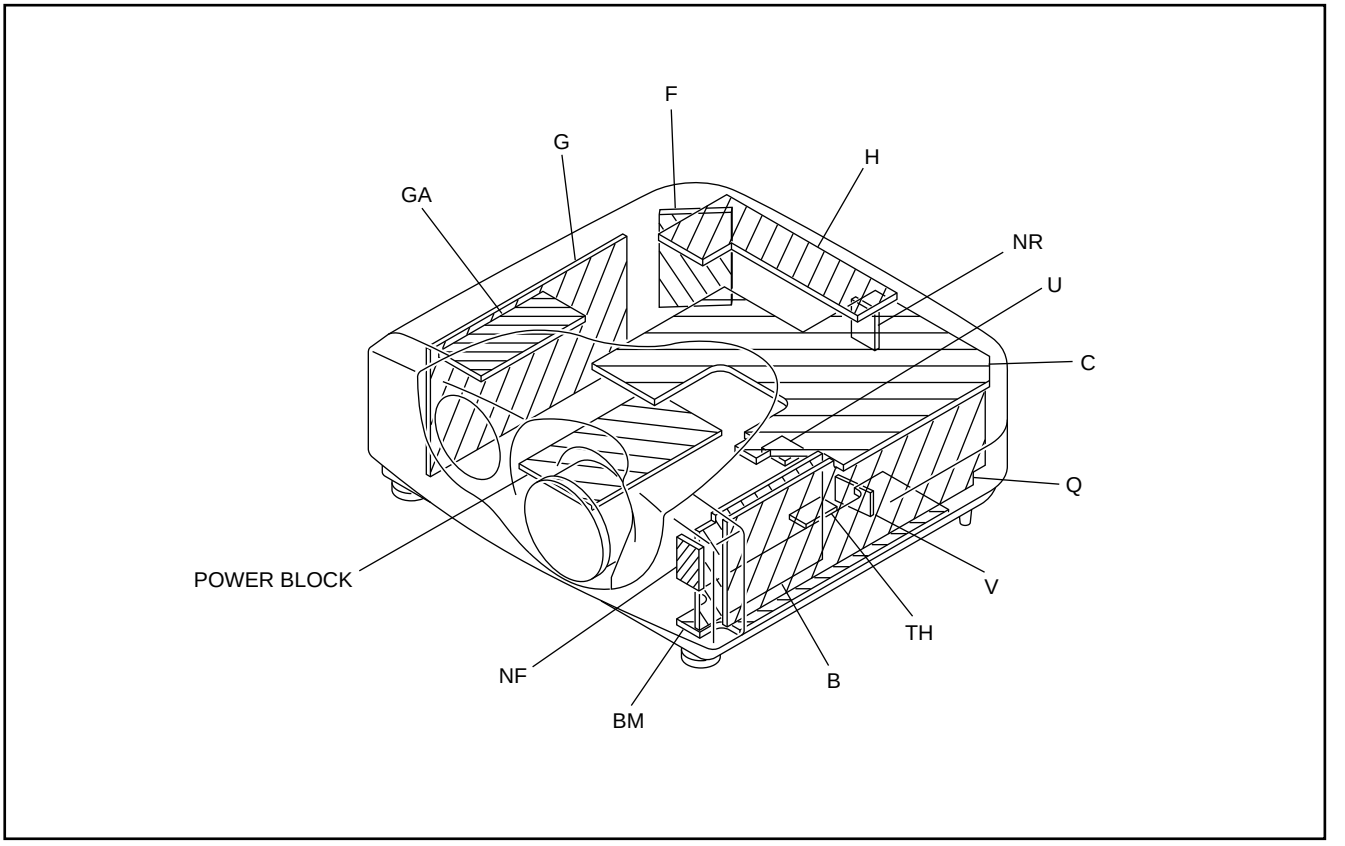


Unit: mm (inches)

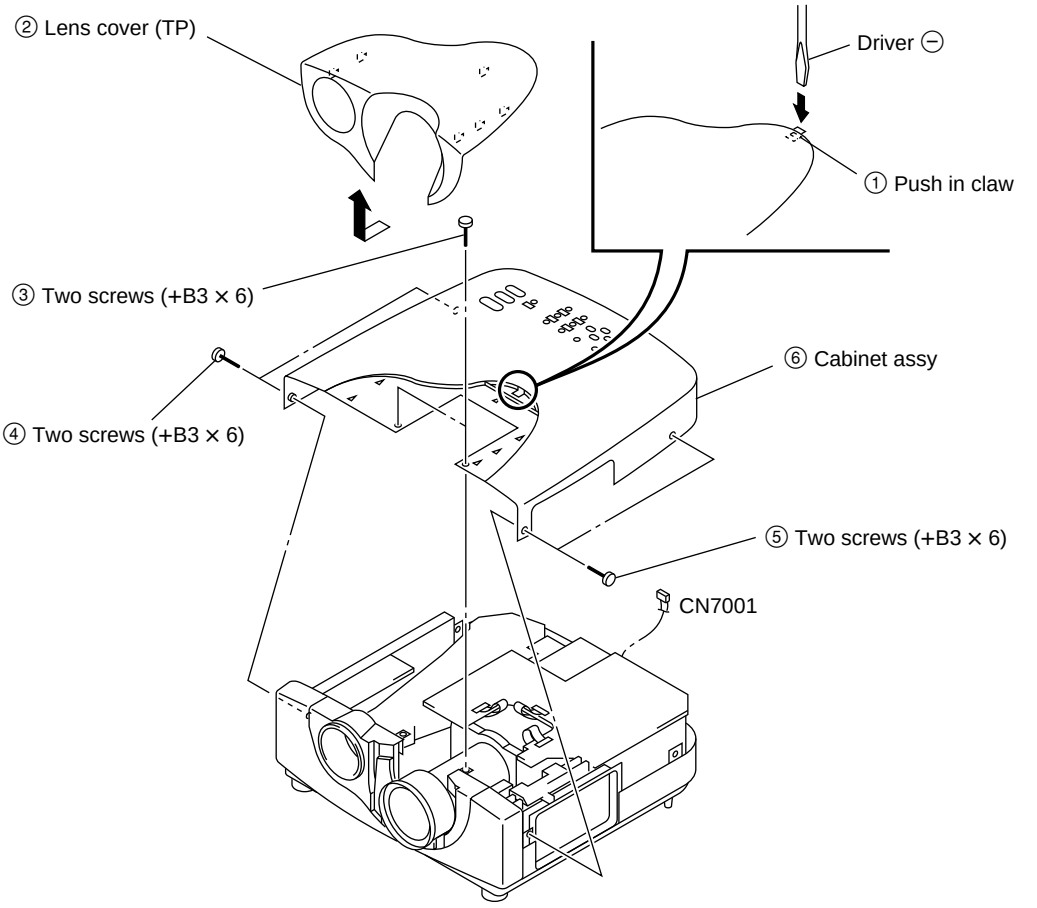
Index

Section 2
Service Informations

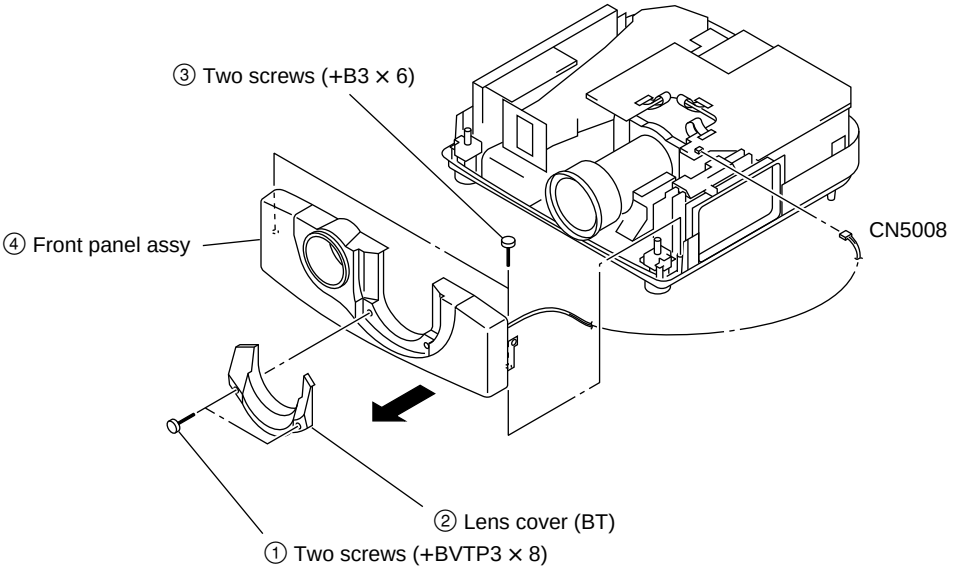
2-1. Circuit Boards Location



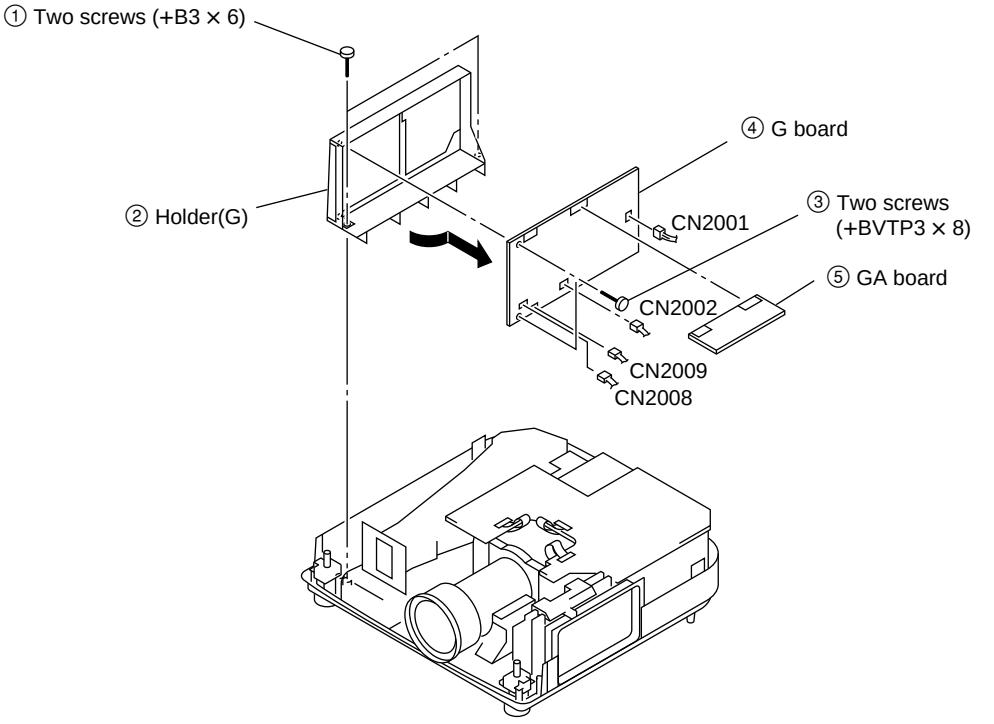
2-2. Cabinet Assy Removal



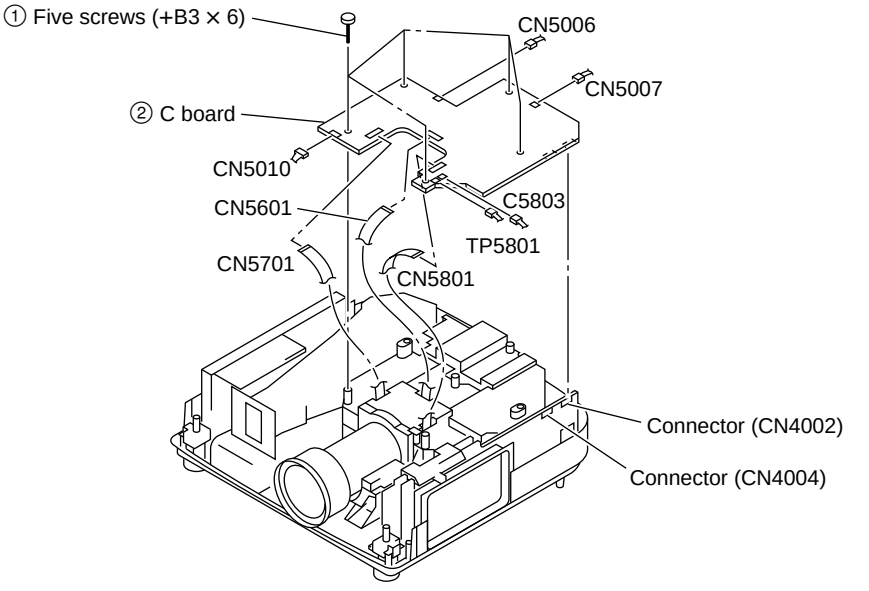
2-3. Front Panel Assy Removal



2-4. G and GA Boards Removal

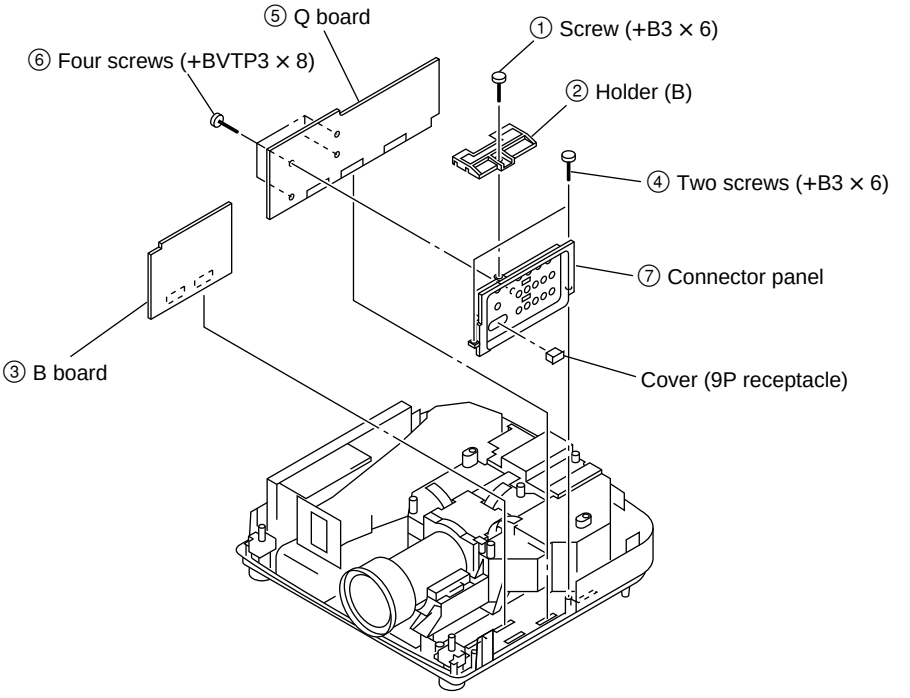


2-5. C Board Removal



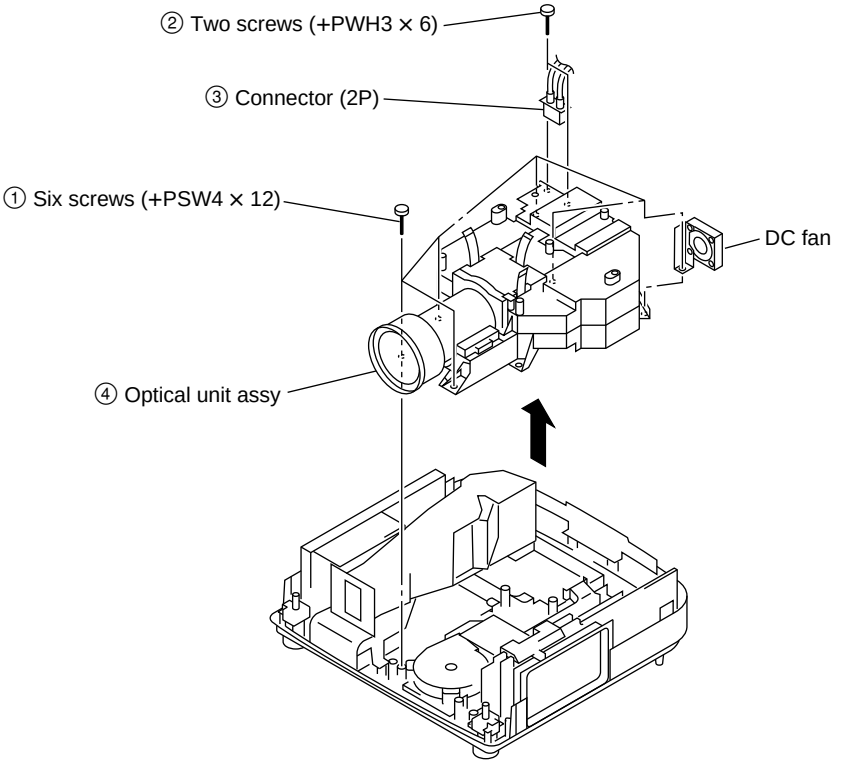
2-6. B and Q Boards Removal

• Remove the C Board (Refer to 2-5.).



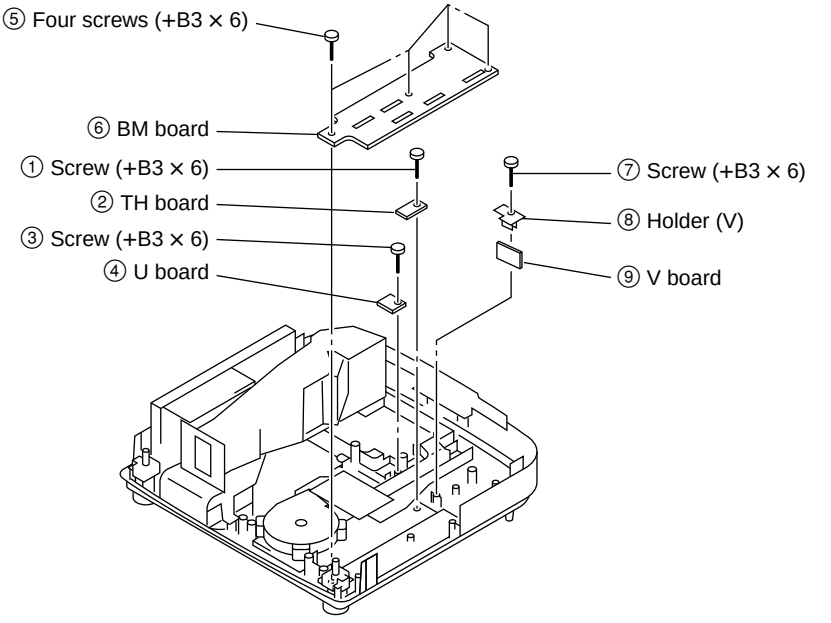
2-7. Optical Unit Assy Removal

• Remove the C Board (Refer to 2-5.).



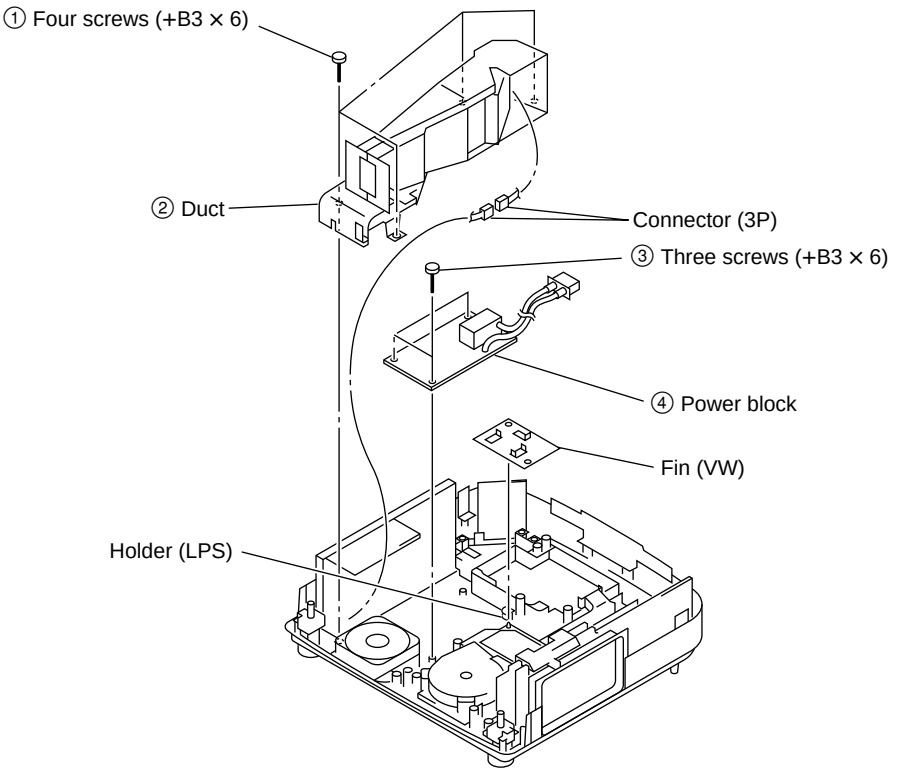
2-8. TH, U, BM and V Boards Removal

• Remove the B and Q Boards (Refer to 2-6.).
• Remove the optical unit assy (Refer to 2-7.).



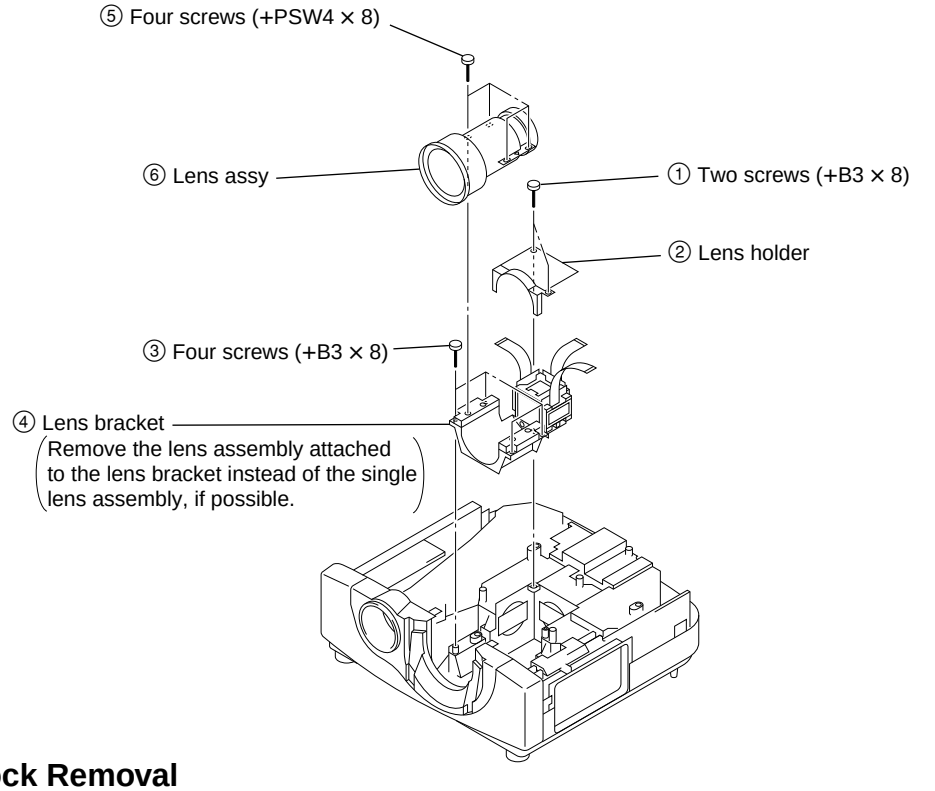
2-9. Power Block Removal

• Remove the optical unit assy (Refer to 2-7.).



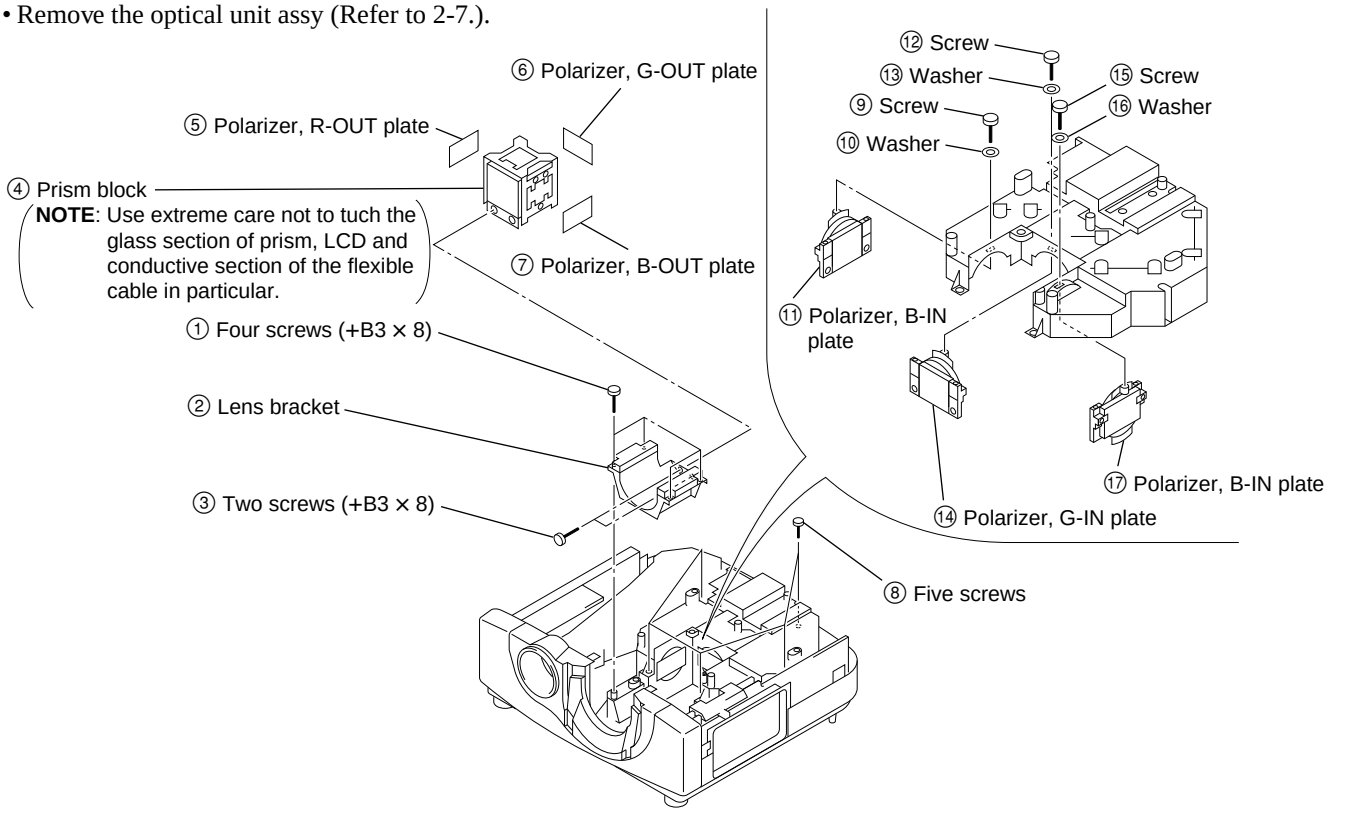
2-10. Lens Assy Removal

• Remove the C Board (Refer to 2-5.).



2-11. Prism Block Removal

• Remove the B and Q Boards (Refer to 2-6.).
• Remove the optical unit assy (Refer to 2-7.).



2-12. Note on Lamp Breakage

Note 1

Ehen the lamp broken, its broken pieces may remain inside the unit.
Take off all the pices with gloves using care about a hand cut, before replacing.
Then, the fly-eye lens may be cloudy at the lamp breakage, at that time wipe the suface of the lens with an authorized lens cleaner kit.

- Cleaner (4-075-337-01)
- Wiper (4-075-338-01)

Note 2

Under the consideration of lamp's reliability, set the lamp mode to "LOW" during repairing the unit with the cabinet opening and the lamp on.

Section 3
Electrical Adjustments

3-1. Preparations

3-1-1. Equipment Required

- Oscilloscope
  Tektronix 2465 or equivalent
  (Bandwidth: 350 MHz or more)
- NTSC, PAL, SECAM component signal generator
  Tektronix TG2000 + AVG1 (Optional module) + AWVG1 (Optional module) or equivalent
- VG (Programmable video signal generator)
  VG814 or equivalent
- Digital voltmeter
  Advantest TR6845 or equivalent
- Luminance meter

Note: Perform the following adjustment at least five minutes after turning on the power.

3-1-2. Setting the Factory Mode

1. Make sure that the STATUS in the menu is ON.
2. Exit the menu.
3 Press the keys in the following ORDER:
   "ENTER" → "ENTER" → "LEFT" → "ENTER"
4. The message "Do you wish to enter into the FACTORY MODE?" will be displayed.
5. Select YES.

3-2. RGB VCOM Adjustment

1. Enter the P.DRV of the Device adjust with Factory mode.
2. Enter the item of 01 VCOM G, and check the 1 line ON/OFF signal.
3. Adjust the ← and → keys to minimize the flicker. Similarly, and perform Red and Blue adjustment similarly.
   (02 VCOM R, 03 VCOM B)
4. Select the SAVE TO MEMORY on the Device adjust page of the menu. Press the ENTER to save the data.

3-3. Signal Level Adjustment

Perform the following settings:

W/B:	LOW mode
INPUT-A:	10 steps
VIDEO:	100% COLOR BARS
CONTRAST:	80
BRIGHT:	50 (Initial value)

3-3-1. SUB-BRIGHT (NTSC) Adjustment

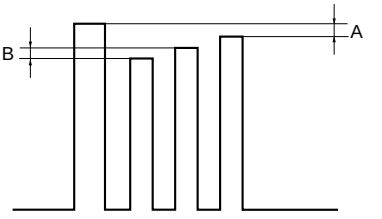
1. Input the NTSC 100% color bars signal to the VIDEO input.
2. Connect oscilloscorp to TP5023 on the C board.
3. Set the COLOR to 0.
3. Enter the RGB-MTRX on the Device adjust of the menu.
4. Select the item of 03 SU BRT. Adjust the ← or → key so that the two bars at the center become flat.

3-3-2. SUB-CONT, HUE and COLOR Adjustment

3-3-2-1. SUB-CONT. HUE and COLOR (VIDEO) Adjustment

1. Input the NTSC 100% color bars signal to the VIDEO input.
2. Connect oscilloscope to TP5024 on the C board.
3. Set the COLOR to 0.
4. Enter the RGB-MTRX on the Device adjust of the menu.
5. Select the item of 08 YUV CONT, and adjust the amplitude of the following waveform for 0.63 Vp-p.
6. Set the COLOR to 50.
7. Select the item of 09 YUV COL. Adjust the ← or → key so that the right and left bars are equal in level (A portion).
8. Select the item of 02 SUB HUE. Adjust the ← or → key so that the two bars in the middle are equal in level (B portion).

<NTSC 100% Color Bars Signal>



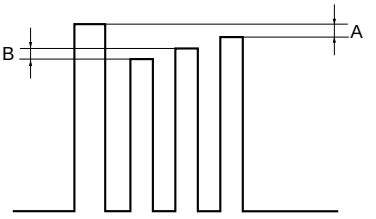
*** Be sure to set the GND level to bottom with DC 0.5V range.**

9. Press the MEMORY key to save the data.
10. Similarly, perform steps 1 to 8 with PAL system.
11. Press the MEMORY key to save the data.

3-3-2-2. SUB-CONT, HUE and COLOR (Component) Adjustment

1. Input the 15k Component 100% Color Bars signal to INPUT-A (pin 5), and select the COMPONENT by the INPUT-A of the SET SETTING.
2. Connect an oscilloscope to TP5024 on the C board.
3. Set the COLOR to 0.
4. Enter the RGB-MTRX on the Device adjust of the menu.
5. Select the item of 08 YUV CONT. Adjust the amplitude for 0.63 Vp-p.
6. Set the COLOR to 50.
7. Select the item of 09 YUV COL. Adjust the ← or → key so that the right and left bars are equal in level (A portion).
8. Select the item of 02 SUB HUE. Adjust the ← or→ key so that the two bars in the middle are equal in level (B portion).
9. Press the MEMORY key to save the data.

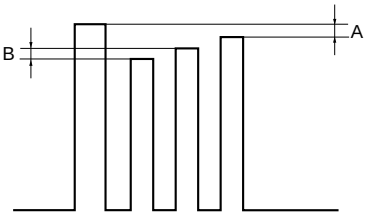
<15k Component 100% Color Bars Signal>



3-3-2-3. SUB-CONT, HUE and COLOR (DTV) Adjustment

1. Input the 1080/60i 100% Color Bars signal to INPUT-A (pin 5), and select the DTV-YPbPr by the INPUT-A of the SET SETTING.
2. Connect an oscilloscope to TP5024 on the C board.
3. Set the COLOR to 0.
4. Enter the RGB-MTRX on the Device adjust of the menu.
5. Select the item of 08 YUV CONT. Adjust the amplitude for 0.63 Vp-p.
6. Set the COLOR to 50.
7. Select the item of 09 YUV COL. Adjust the ← or → key so that the right and left bars are equal in level (A portion).
8. Select the item of 02 SUB HUE. Adjust the ← or → key so that the two bars in the middle are equal in level (B portion).
9. Press the MEMORY key to save the data.
10. Switch the format of 1080/60i to GRB output.
    Select the DTV-GBR by the INPUT-A of the SET SETTING.
    Similarly, perform steps 2 to 9.

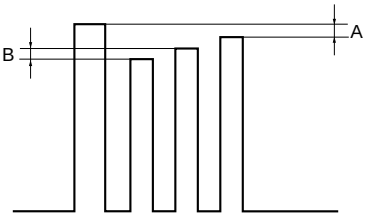
<1080/60i 100% Color Bars Signal>



3-3-2-4. SUB-CONT, HUE and COLOR (15k RGB) Adjustment

1. Input the 15k RGB 100% Color Bars signal to INPUT-A (pin 5), and select the COMPUTER by the INPUT-A of the SET SETTING.
2. Connect an oscilloscope to TP5024 on the C board.
3. Set the COLOR to 0.
4. Enter the RGB-MTRX on the Device adjust of the menu.
5. Select the item of 08 YUV CONT. Adjust the amplitude for 0.63 Vp-p.
6. Set the COLOR to 50.
7. Select the item of 09 YUV COL. Adjust the ← or → key so that the right and left bars are equal in level (A portion).
8. Select the item of 02 SUB HUE. Adjust the ← or → key so that the two bars in the middle are equal in level (B portion).
9. Press the MEMORY key to save the data.

<15k RGB 100% Color Bars Signal>



3-3-3. ODD/EVEN Level Adjustment

1. Input the 50 IRE Flat XGA signal to INPUT-A.
2. Set the unit in Green-only. Adjust so that the vertical line on every other dot become thinner by the P.DRV/SUB CON G E or by the P.DRV/SUB CON G O on the Device adjust.
   Note: Be sure to change either 15 V AMP/SUB CON G E or 16 V AMP/SUB CON G O whose figure is a small quantity.
3. Set the unit in Red-only. Adjust so that the vertical line on every other dot become thinner by the P.DRV/SUB CON R E or by the P.DRV/SUB CON R O on the Device adjust.
   Note: Be sure to change either 20 V AMP/SUB CON R O or 21 V AMP/SUB CON R E whose figure is a small quantity.
4. Set the unit in Blue-only. Adjust so that the vertical line on every other dot become thinner by the P.DRV/SUB CON B E or by the P.DRV/SUB CON B O on the Device adjust.
   Note: Be sure to change either 17 V AMP/SUB CON B E or 22 V AMP/SUB CON B O whose figure is a small quantity.
5. Invert the top and bottom of the screen by the INSTALL SETTING menu, and perform steps 2 to 4 again.
6. Press the MEMORY key to save the data.

3-3-4. SAMPLE HOLD 2 Adjustment

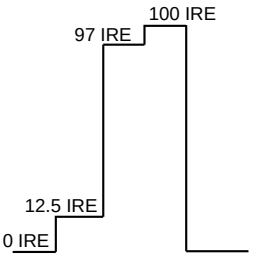
1. Input the XGA option 2 signal to INPUT-A.
2. Set the unit in Green-only. Adjust so that the vertical line in the vicinity of 50 IRE just disappears.
3. Set the unit in Red-only. Adjust so that the vertical line in the vicinity of 50 IRE just disappears.
4. Set the unit in Blue-only. Adjust so that the vertical line in the vicinity of 50 IRE just disappears.
5. Press the MEMORY key to save the data.

Adjusting items: Device Adjust P.DRV
12 SH/SH2G
11 SH/SH2R
13 SH/SH2B

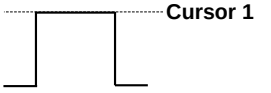
3-3-5. RGB High Gain/Bias Adjustment

3-3-5-1. RGB High Gain/Bias Adjustment

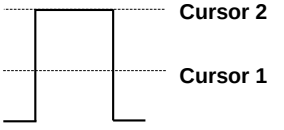
1. Input the W/B HIGH adjusting signal to INPUT-A, and select the COMPUTER by the INPUT-A of the SET SETTING.



2. Set the CONTRAST to 80, BRIGHT to 50, and COL TEMP to HIGH respectively.
3. Enter the OTHER on the Device adjust of the menu.
4. Set the 06 3D GAMMA/THROUGH from 0 to 1.
5. Set the 07 3D GAMMA/SW from 1 to 0.
6. Connect an oscilloscope to TP5602 on the C board.
7. Enter the 3D GAMMA on the Device adjust of the menu, display the Level 0, and put the cursor 1 on the position shown in the figure below.



8. Display the Level 7.
9. The same way as in step 7, put the cursor 2 on the position shown in the figure below.



10. Press the GAIN key to enter the GAIN ADJUST MODE from the 3D GAMMA. Adjust the G GAIN so that the 100 IRE level of the W/B HIGH adjusting signal is equal to cursor 2.
11. Press the BIAS key to enter the BIAS ADJUST. Adjust the G BIAS so that the 12.5 IRE level of the W/B HIGH adjusting signal is equal to cursor 1.
12. Repeat steps 10 and 11 several times.
13. Connect an oscilloscope to TP5702 on the C board. Perform the same adjustments as in steps 7 to 12 using R G GAIN/BIAS.
14. Connect an oscilloscope to TP5802 on the C board.

Perform the same adjustments as in steps 7 to 12 using B GAIN/BIAS.

15. Press the MEMORY key to save the data.
16. Enter the OTHER on the Device adjust of the menu.
17. Set the 06 3D GAMMA/THROUGH from 1 to 0.
18. Set the 07 3D GAMMA/SW from 0 to 1.
19. Press the MEMORY key to save the data.

3-3-5-2. RGB W/B Low and Custom Adjustment

1. Enter the W/B ADJUST LOW from the PIC. CTRL menu.
2. Copy the adjusted value of the HIGH mode in the R/G/B BIAS.
3. Write the following values in the R/G/B GAIN.
   R GAIN: adjusted value of HIGH mode
   G GAIN: adjusted value of HIGH mode −30
   B GAIN: adjusted value of HIGH mode −30
4. Press the MEMORY key to save the data.
5. Write the following values in the WB ADJUST CUSTOM 1 to 4.
   CUSTOM 1: B/G GAIN −10
   CUSTOM 2: B/G GAIN −20
   CUSTOM 3: B/G GAIN −40
   CUSTOM 4: B/G GAIN −50
6. Press the MEMORY key to save the data.

3-4. VIDEO W/B Adjustment

3-4-1. Component W/B High Adjustment

1. Input the Component Flat Field signal to INPUT-A, and select the COMPONENT by the INPUT-A of the SET SETTING.
2. Set the 06 3D GAMMA/THROUGH to 0.
3. Set the 07 3D GAMMA/SW to 1 (3D Gamma: ON).
4. Enter the W/B ADJUST HIGH from the menu.
5. Input the 80 IRE Component Flat Field signal to INPUT-A.
6. Adjust the chromaticity (x, y) to the values shown below by the G GAIN and B GAIN of the W/B HIGH.
7. Input the 20 IRE Component Flat Field signal to INPUT-A.
8. Adjust the chromaticity (x, y) to the values shown below by the R GAIN and B GAIN of the W/B HIGH.
9. Repeat steps 5 to 8 until the chromaticity meets the below specifications.
10. Press the MEMORY key to save the data.

    Specification:
    Chromaticity (x) = 0.284 ± 0.005
    Chromaticity (y) = 0.297 ± 0.005

3-4-2. Component W/B Low Adjustment

1. Enter the W/B ADJUST LOW from the menu.
2. Input the 80 IRE Component Flat Field signal to INPUT-A.
3. Adjust the chromaticity (x, y) to the values shown below by the G GAIN and B GAIN of the W/B LOW.
4. Input the 20 IRE Component Flat Field signal to INPUT-A.
5. Adjust the chromaticity (x, y) to the values shown below by the R GAIN and B GAIN of the W/B LOW.
6. Repeat steps 2 to 5 until the chromaticity meets the below specifications.
7. Press the MEMORY key to save the data.

   Specification:
   Chromaticity (x) = 0.313 ± 0.005
   Chromaticity (y) = 0.329 ± 0.005

3-4-3. W/B Low Custom Adjustment

1. Copy the data in the CUSTOM 1 to 4 using the menu.
   CUSTOM 1: GAIN = RGB/HIGH
   BIAS = VIDEO/HIGH
   CUSTOM 2: GAIN = RGB/HIGH + 40
   BIAS = VIDEO/HIGH
   CUSTOM 3: GAIN = VIDEO/LOW + 40
   BIAS = VIDEO/LOW
   (R GAIN is + 0)
   CUSTOM 4: GAIN = VIDEO/LOW −20
   BIAS = VIDEO/LOW
   (R GAIN is + 0)
2. Press the MEMORY key to save the data.

3-5. Adjustments in Replacement of Prism and Optical Unit

After replacement of the prism, set the factory mode, and perform the following adjustment.

3-5-1. V-COM Adjustment

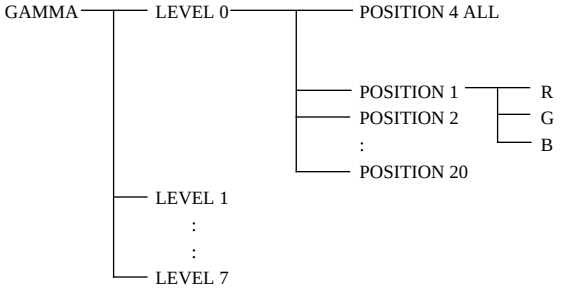
1. Enter the P.DRV of the Device adjust with Factory mode.
2. Enter the item of 01 VCOM G, and check the 1 line ON/OFF signal.
3. Adjust the ← and → keys to minimize the flicker. Similarly, and perform Red and Blue adjustment similarly.
   (02 VCOM R, 03 VCOM B)
4. Select the SAVE TO MEMORY on the Device adjust page of the menu. Press the ENTER to save the data.

3-5-2. Polarization Plate Adjustment

Press the "PIC MUTE" button and the whole screen will become black. In this state, adjust the respective polarization plate until the black becomes the darkest.

3-5-3. 3D GAMMA Adjustment (Outline)

The principle of 3D GAMMA is described before the adjustment of 3D GAMMA.
3D GAMMA is like a function which can individually adjust W/B at a total of 180 points brightness 8 levels, horizontal direction 7 points, vertical direction 4 points (8*7*4=224 points).
So altogether 672 adjustments (224*3 (RGB)=672) will be required, which is in practice not possible. The following describes a simpler method.
First the "GAMMA" menu consists of the following hierarchy.



When adjusting a certain LEVEL, automatically the internal signal (flat field) of that level will be displayed.

3-5-4. 3D GAMMA Adjustments

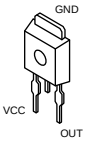
1. First input "GAMMA."
2. Set LEVEL to 1.
3. Study the uniformity of the whole screen, and locate the areas where uniformity is poor.
4. Changing "POSITION" to 1, 2, or 3 will display the cursor. The position of the cursor is the position which will be adjusted.
   Move the cursor to the area with poor uniformity.
5. Move "R" and "B" up and down, and adjust so that the uniformity is the same as the other areas.
6. Set LEVEL 2.
7. Like steps 3, 4, and 5, adjust the areas with poor uniformity.
8. Adjust up to LEVEL 6.
9. Study the test pattern from LEVEL 1 to LEVEL 6, and if no problems, return to the first hierarchy, adjust the device, and save the data in SAVE TO MEMORY.

Precautions:

1. Basically adjust RED and BLUE only without changing GREEN.
2. Do not adjust LEVEL 0 and LEVEL 7.
3. To set back factory settings should adjustments fail, skip "SAVE TO MEMORY," press the STANDBY key, and turn off the power. All the adjusted data will be set back to factory settings.
   Factory settings cannot be set back however if "SAVE TO MEMORY" has already been implemented. So check the picture quality carefully prior to implementing "SAVE TO MEMORY."
4. For zoom lens, the uniformity will change slightly according to the zoom position.
   As uniformity will change slightly according to the F number of the lens, perform the adjustments on the projection system under the normal using conditions.
5. Do not change other items in the Device Adjust Menu.
   The device adjust menu contains important parameters for machine operations.
   Unnecessary operations will result in "no image" and "abnormal image."
   "Factory reset" cannot be performed on device adjust menu items.
   (Implementing SAVE TO MEMORY will completely overwrite the data.)
   Do not change data unnecessarily.

Section 4
Semiconductors

BA05FP-E2
BA09FP-E2
BA12FP-E2



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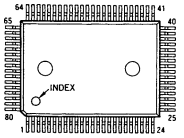

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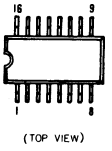
MAX202CSE-T
MC74HC4538AF-T2
PC74HC123D-T
SN74HCU04ANSR
TC74VHC123F (EL)



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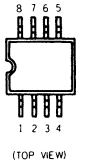
SN75157PS-ELL2000
TC7W00 (TE12R)



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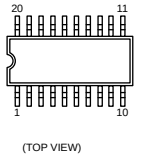
TC74VHC244F



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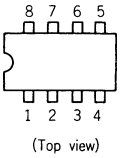

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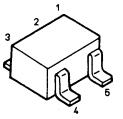
TC7S08FU



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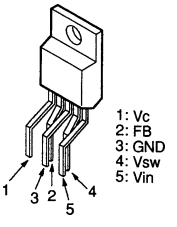

MC100ELT20DR2
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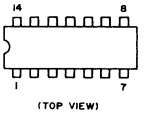
TC74VHCT04AFT (EL)
TC74VHC02FT (EL)
TLC2932IPW-E20
TLC2933IPW-E20



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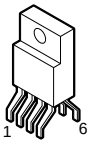

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TC7WFU
TC7WH241FU
TC7WT241FU
TC7W125FU-TE12R
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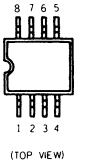
TL082CPS-E20
TL431BCDR2



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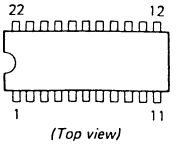

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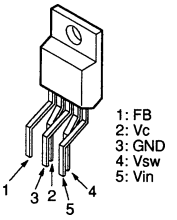

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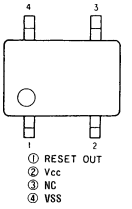

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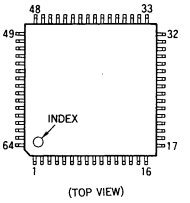

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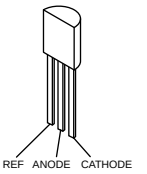

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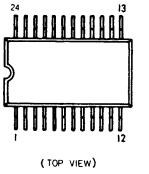

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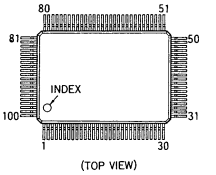

DTA144EKA-T146
DTC144EKA-T146
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2SA1462-Y33
2SC2412K-T-146-QR
2SC2712-YG-TE85L
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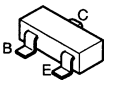
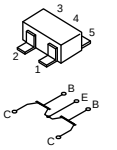


FMS1-T-148



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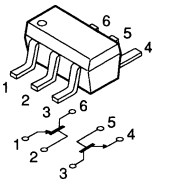

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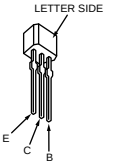

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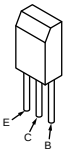

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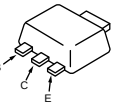
2SB798-T1-DLDK



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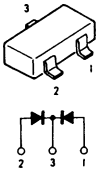

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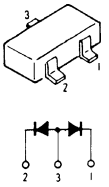

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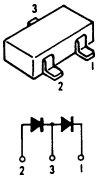

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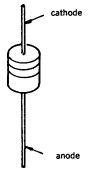
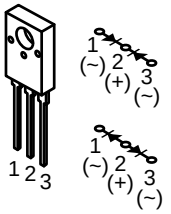
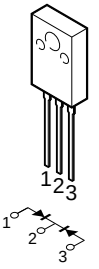
RD13ES-T1B2
1SS119-25TD



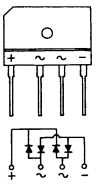
D10LC20U



D10SC4M



D6SB80



MA111
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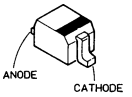
RD5.1SB-T1
RD9.1SB2-T1
UDZ-TE-17-3.9B



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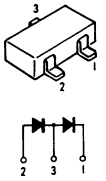
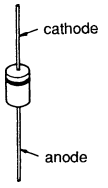
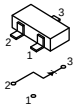


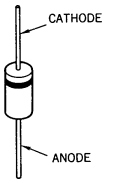
RM11C



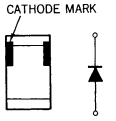
RD15M-T1B1



RD30FB1
UF4005PKG23



SEC1801C
SEC2422C



Section 5
Exploded Views

NOTE :

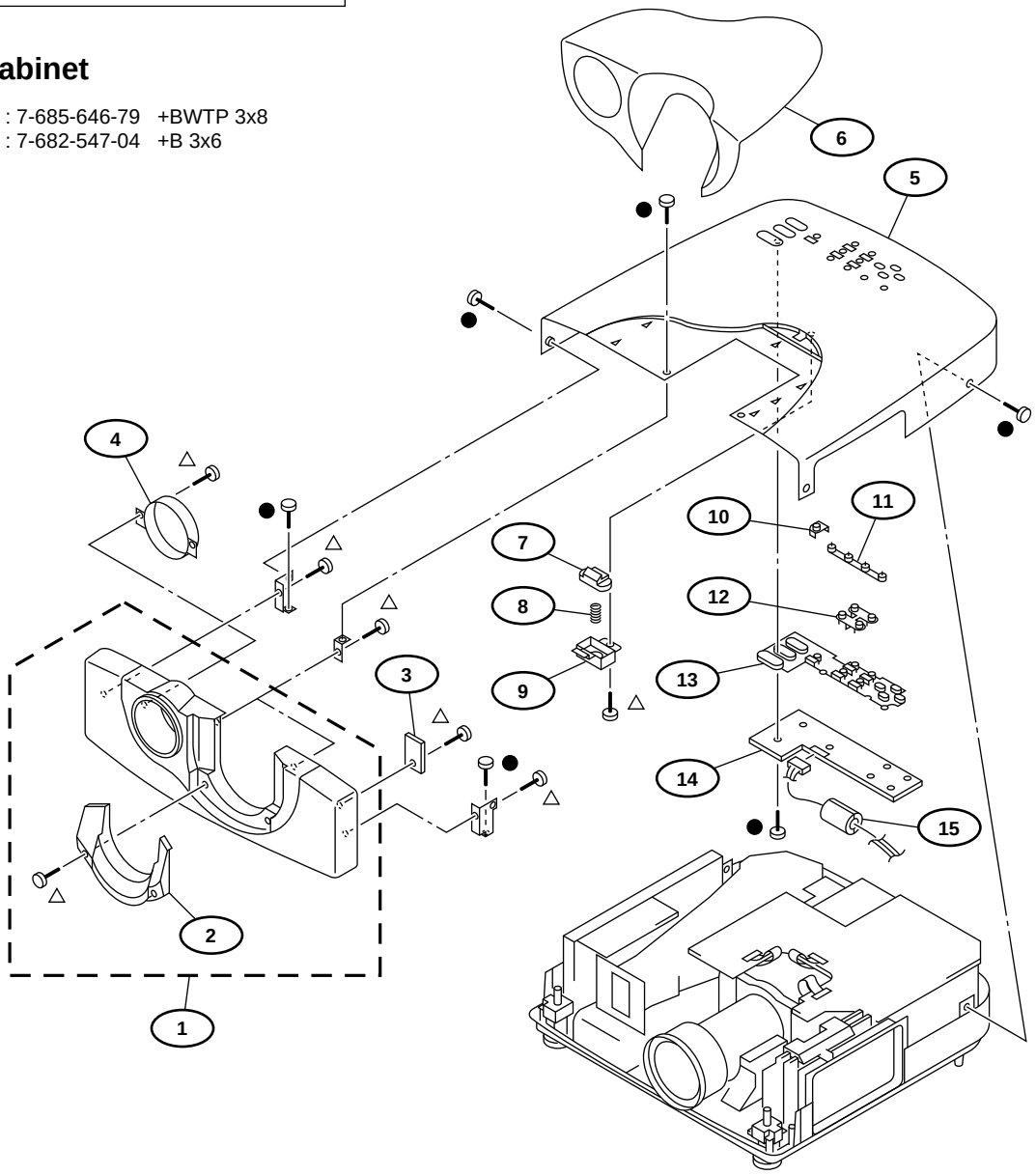
The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

5-1. Cabinet

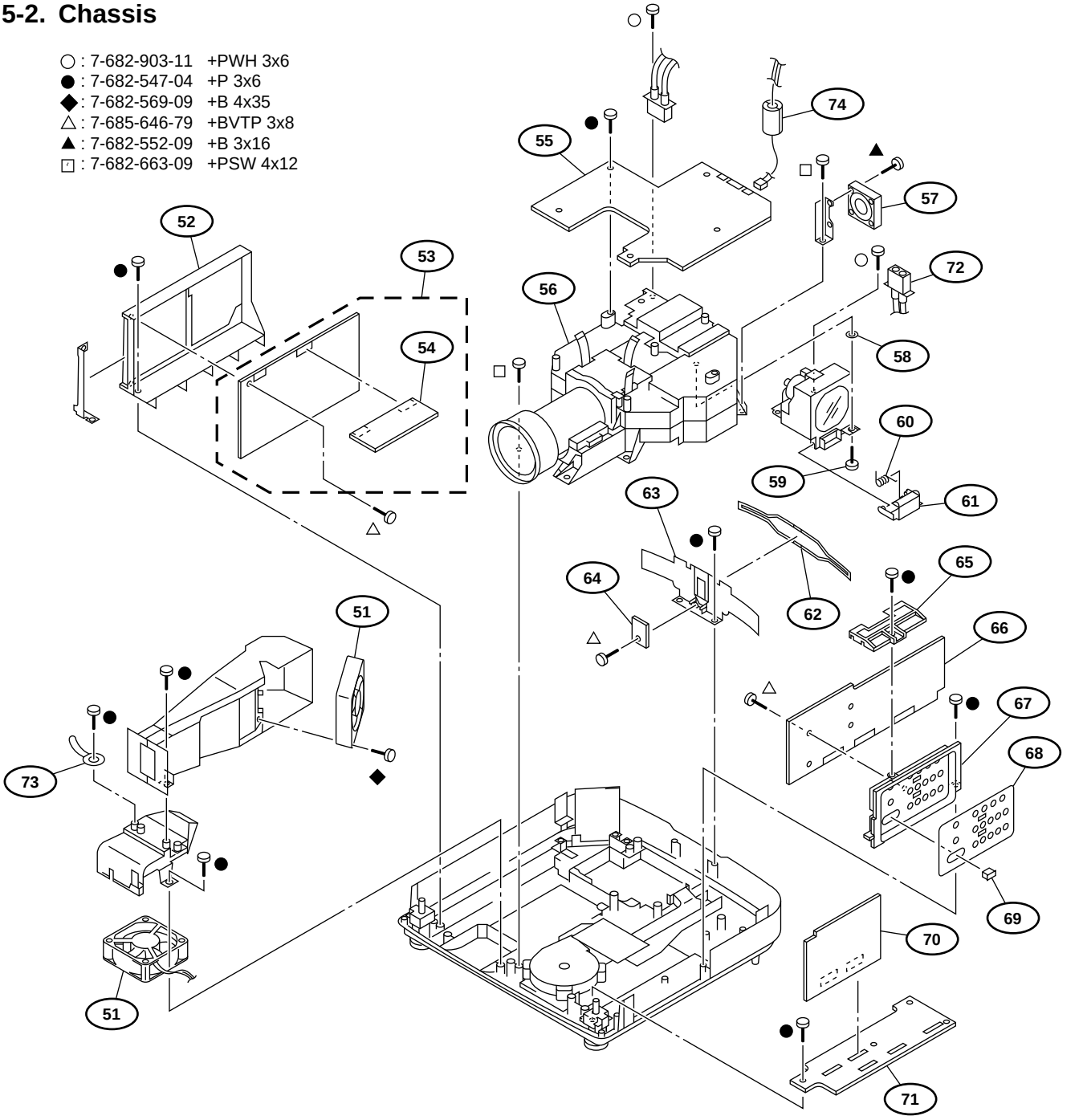
△ : 7-685-646-79 +BWTP 3x8
● : 7-682-547-04 +B 3x6



REF NO.		PART NO.	DESCRIPTION	REMARK
1	*	X-4037-544-1	PANEL ASSY, FRONT	2
2	*	4-074-465-01	COVER (BT), LENS	
3	*	1-675-776-11	PWB, NF	
4	*	4-074-860-01	DUCT (KM)	
5	*	4-074-461-01	HOOD	
6	*	4-074-463-01	COVER (TP), LENS	
7		4-063-672-01	STOPPER (LCT)	
8		4-063-686-01	SPRING, COMPRESSION	
9		4-063-673-01	HOLDER (LCT)	
10	*	4-074-846-01	GUIDE (A), LED	
11	*	4-074-845-01	GUIDE (C), LED	
12	*	4-074-844-01	GUIDE (B), LED	
13	*	4-074-876-01	BUTTON, CONTROL	
14	*	A-1375-194-A	H COMPL	
15		1-500-082-11	CLAMP, SLEEVE FERRITE	

5-2. Chassis

○ : 7-682-903-11 +PWH 3x6
● : 7-682-547-04 +P 3x6
◆ : 7-682-569-09 +B 4x35
△ : 7-685-646-79 +BVTP 3x8
▲ : 7-682-552-09 +B 3x16
□ : 7-682-663-09 +PSW 4x12

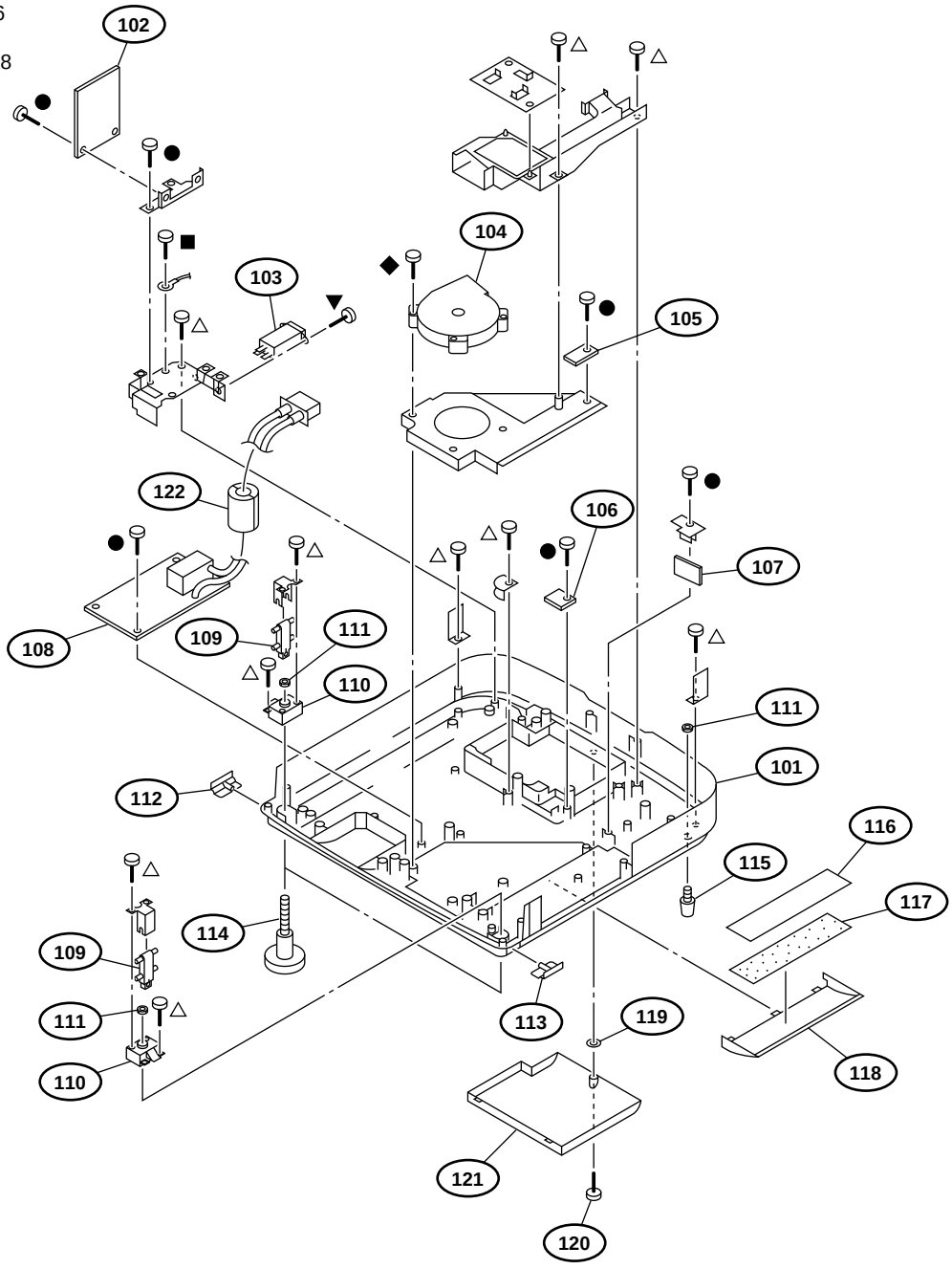


REF NO.		PART NO.	DESCRIPTION	REMARK
51		1-763-070-11	FAN, DC	
52	*	4-074-870-01	HOLDER (G)	
53	*	A-1316-491-A	G COMPL	54
54	*	A-1311-819-A	GA MOUNT	
55	*	A-1335-122-A	C COMPL	
56		1-758-451-11	OPTICAL UNIT	
57		1-698-059-11	FAN, DC	
58	*	3-715-526-01	WASHER (M3)	
59		4-066-202-01	SCREW, M3	
60	*	4-073-788-01	SPRING, DOOR	
61	*	4-073-787-01	DOOR, DUCT	
62	*	4-074-866-01	WINDOW (RE), RE	

REF NO.		PART NO.	DESCRIPTION	REMARK
63	*	4-074-869-01	HOLDER (RE)	
64	*	1-675-771-11	PWB, NR	
65	*	4-074-863-01	HOLDER (B)	
66	*	A-1275-185-A	Q COMPL	
67	*	4-074-460-01	PANEL, CONNECTOR	
68	*	4-074-865-01	LAVEL, CONNECTOR NAME	
69	*	4-957-207-01	COVER (9P RECEPTACLE)	
70	*	A-1136-046-A	B COMPL	
71	*	A-1131-492-A	BM MOUNT	
72		1-900-222-47	CONNECTOR ASSY 2P	
73		3-701-822-01	HOLDER, WIRE	
74		1-500-082-11	CLAMP, SLEEVE FERRITE	

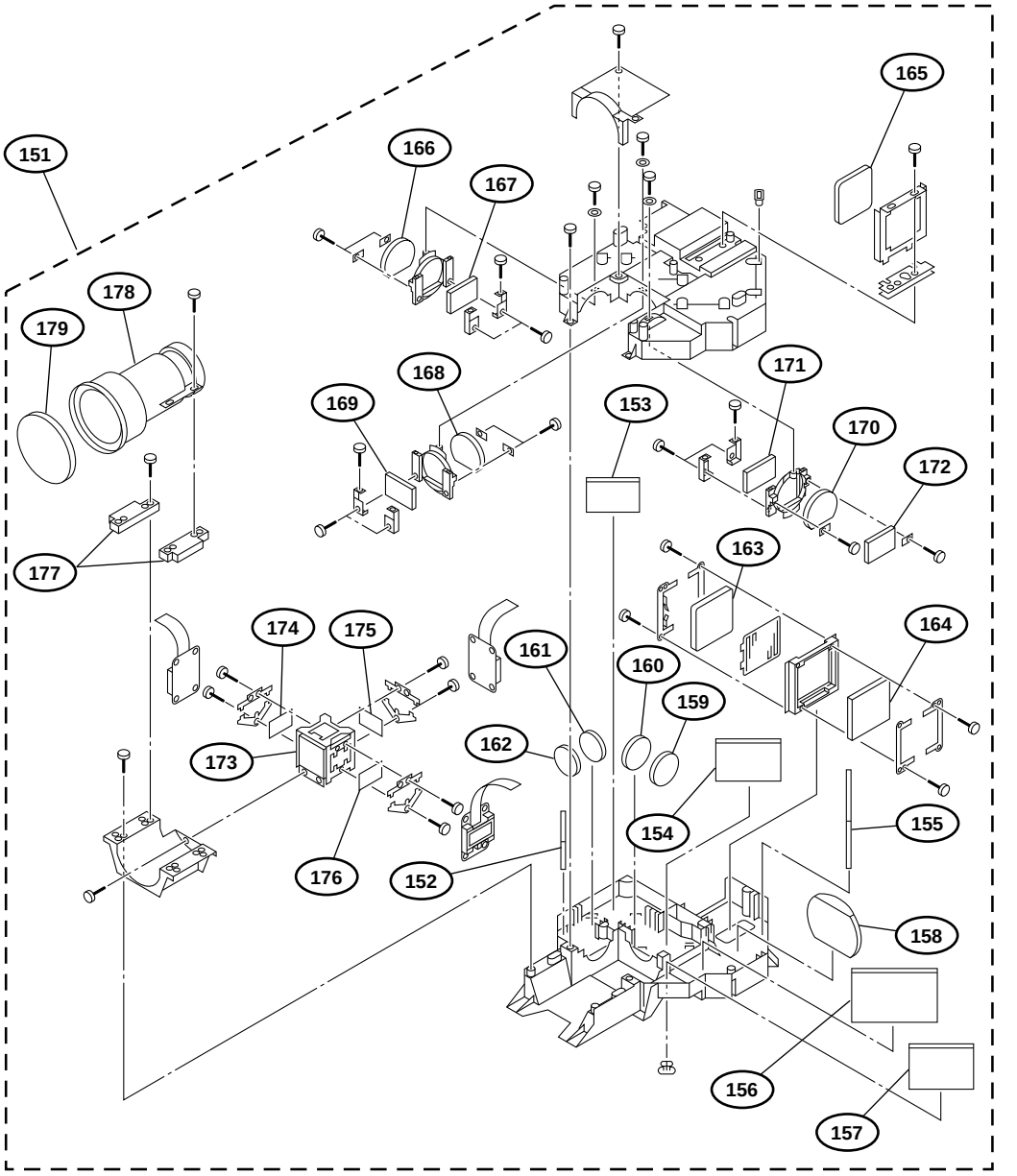
5-3. Base

● : 7-682-547-04 +B 3x6
■ : 7-682-660-09 +PSW 4x6
▼ : 7-682-246-09 +K 3x5
△ : 7-685-646-79 +BVTP 3x8
◆ : 7-682-569-09 +B 4x35



REF NO.		PART NO.	DESCRIPTION	REMARK
101	*	4-074-458-01	BASE	
102	*	A-1241-397-A	F MOUNT	
103	⚠	1-526-813-12	INLET, AC (3P)	
104		1-763-417-11	FAN, DC	
105	*	1-675-920-11	PWB, TH	
106	*	1-675-772-11	PWB, U	
107	*	1-675-773-11	PWB, V	
108	⚠	1-468-445-21	POWER BLOCK	
109	*	4-074-837-01	STAY (ADJ)	
110	*	4-074-859-01	ADJUSTER UNITE	
111		4-303-605-00	NUT	
112		4-074-858-01	LEVER (ADJL)	
113		4-074-856-01	LEVER (ADJ)	
114	*	4-074-847-01	HOOT (FR), ADJUSTER	
115	*	4-074-849-01	HOOT (RE), ADJUSTER	
116		4-074-848-01	HOLDER, FILTER	
117		4-074-850-01	FILTER	
118		4-074-459-01	COVER, FILTER	
119	*	3-715-526-01	WASHER (M3)	
120		4-073-989-01	SCREW (+B M3X12), PREVENTION	
121		4-074-464-01	LAMP COVER	
122	*	1-543-830-11	CLAMP, SLEEVE FERRITE	

5-4. Optical Unit



REF NO.	PART NO.	DESCRIPTION	REMARK
151	1-758-451-11	OPTICAL UNIT	152-179
152	9-885-000-35	MIRROR D	
153	9-885-000-34	MIRROR B	
154	9-885-000-32	MIRROR, G REFLECTION	
155	9-885-000-33	MIRROR A	
156	9-885-000-31	MIRROR, B LIGHT TRANSMISSION	
157	9-885-000-36	MIRROR C	
158	9-885-000-38	MAIN CONDENSOR LENS	
159	9-885-000-39	LENS A, RELAY	
160	9-885-000-40	LENS B, RELAY	
161	9-885-000-41	LENS C, RELAY	
162	9-885-000-42	LENS D, RELAY	
163	9-885-000-26	FLYEYE LENS B	
164	9-885-000-27	FLYEYE/PS CONVERTER	
165	9-885-000-25	FLYEYE LENS A	
166	9-885-000-30	POLARIZER, R/CONDENSOR LENS	
167	9-885-000-49	POLARIZER, R-IN PLATE	
168	9-885-000-28	POLARIZER, G/CONDENSOR LENS	
169	9-885-000-45	POLARIZER, G-IN PLATE	
170	9-885-000-29	POLARIZER, B/CONDENSOR LENS	
171	9-885-000-47	POLARIZER, B-IN PLATE	
172	9-885-000-43	UV PROOF GLASS	
173	9-885-000-23	PRISM BLOCK ASSY	
174	9-885-000-50	POLARIZER, R-OUT PLATE	
175	9-885-000-46	POLARIZER, G-OUT PLATE	
176	9-885-000-48	POLARIZER, B-OUT PLATE	
177	9-885-000-37	SPACER, COMPLETE	
178	9-885-000-24	PROJECTION LENS	
179	9-885-000-44	LENS CAP	

BM B

Section 6
Electrical Parts List

NOTE :

The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- 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.

RESISTORS
- All resistors are in ohms.
- F: nonflammable
- METAL: Metal-film resistor
- METAL OXIDE: Metal oxide-film resistor

Ref.No.	Part No.	Description				Remark
	* A-1131-492-A	BM MOUNT				
		**********				
		<CAPACITOR>				
C1001	1-107-884-11	ELECT	1000µF	20%	16V	
C1002	1-107-884-11	ELECT	1000µF	20%	16V	
		<CONNECTOR>				
CN1001	* 1-779-004-11	HOUSING, CONNECTOR 26P				
CN1002	* 1-779-004-11	HOUSING, CONNECTOR 26P				
CN1003	* 1-779-004-11	HOUSING, CONNECTOR 26P				
CN1004	* 1-779-004-11	HOUSING, CONNECTOR 26P				
CN1005	* 1-779-004-11	HOUSING, CONNECTOR 26P				
CN1006	* 1-564-523-11	PLUG, CONNECTOR 8P				
CN1007	* 1-564-526-11	PLUG, CONNECTOR 11P				
CN1008	* 1-564-521-11	PLUG, CONNECTOR 6P				
CN1009	1-695-915-11	TAB (CONTACT)				
CN1010	* 1-564-505-11	PLUG, CONNECTOR 2P				
		<RESISTOR>				
R1001	1-216-379-21	METAL OXIDE	6.8	5%	2W	F
**********						
	* A-1136-046-A	B COMPL				
		**********				
		<CAPACITOR>				
C3001	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3002	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3003	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3004	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3006	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3007	1-126-204-11	ELECT CHIP	47µF	20%	16V	
C3008	1-126-204-11	ELECT CHIP	47µF	20%	16V	
C3009	1-126-204-11	ELECT CHIP	47µF	20%	16V	
C3011	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3012	1-128-008-11	ELECT CHIP	3.3µF	20%	35V	
C3013	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3014	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3015	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V	
C3016	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3017	1-107-682-11	CERAMIC CHIP	1µF	10%	16V	
C3018	1-163-037-11	CERAMIC CHIP	0.022µF	10%	50V	
C3020	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3021	1-107-682-11	CERAMIC CHIP	1µF	10%	16V	
C3022	1-126-601-11	ELECT CHIP	2.2µF	20%	50V	
C3023	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3024	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3025	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3026	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3027	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3028	1-127-820-91	CERAMIC CHIP	4.7µF	0	16V	
C3029	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3030	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3031	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V	
C3032	1-128-004-11	ELECT CHIP	10µF	20%	16V	
C3033	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3034	1-125-898-91	CERAMIC CHIP	0.22µF	10%	50V	
C3035	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3036	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3038	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3039	1-107-682-11	CERAMIC CHIP	1µF	10%	16V	
C3040	1-107-682-11	CERAMIC CHIP	1µF	10%	16V	
C3041	1-107-682-11	CERAMIC CHIP	1µF	10%	16V	
C3042	1-127-820-91	CERAMIC	4.7µF	0	16V	
C3043	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3044	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3045	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3046	1-126-204-11	ELECT CHIP	47µF	20%	16V	
C3047	1-126-204-11	ELECT CHIP	47µF	20%	16V	
C3048	1-126-204-11	ELECT CHIP	47µF	20%	16V	
C3049	1-128-004-11	ELECT CHIP	10µF	20%	16V	
C3050	1-128-004-11	ELECT CHIP	10µF	20%	16V	
C3051	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3052	1-117-681-11	ELECT CHIP	100µF	20%	16V	
C3053	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3054	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3055	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3056	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3057	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
C3059	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3060	1-126-205-11	ELECT CHIP	47µF	20%	6.3V	
C3061	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C3062	1-128-004-11	ELECT CHIP	10µF	20%	16V	
C3063	1-126-205-11	ELECT CHIP	47µF	20%	6.3V	

B

Ref.No.	Part No.	Description			Remark
C3064	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3065	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3066	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3067	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3068	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3069	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3070	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3071	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3072	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3073	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3074	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C3075	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3076	1-163-237-11	CERAMIC CHIP	27pF	5%	50V
C3077	1-163-237-11	CERAMIC CHIP	27pF	5%	50V
C3078	1-163-245-11	CERAMIC CHIP	56pF	5%	50V
C3079	1-163-245-11	CERAMIC CHIP	56pF	5%	50V
C3080	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3081	1-128-004-11	ELECT CHIP	10µF	20%	16V
C3082	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3084	1-163-235-11	CERAMIC CHIP	22pF	5%	50V
C3085	1-163-245-11	CERAMIC CHIP	56pF	5%	50V
C3086	1-163-235-11	CERAMIC CHIP	22pF	5%	50V
C3087	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3088	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3089	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3090	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3091	1-163-131-00	CERAMIC CHIP	390pF	5%	50V
C3092	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C3093	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3094	1-163-229-11	CERAMIC CHIP	12pF	5%	50V
C3095	1-163-229-11	CERAMIC CHIP	12pF	5%	50V
C3096	1-163-229-11	CERAMIC CHIP	12pF	5%	50V
C3097	1-163-229-11	CERAMIC CHIP	12pF	5%	50V
C3098	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3099	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3100	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3101	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3102	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3103	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3104	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3105	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3108	1-128-013-11	ELECT CHIP	1µF	20%	50V
C3111	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3112	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3113	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3114	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3115	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3116	1-128-007-11	ELECT CHIP	2.2µF	20%	35V
C3117	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C3118	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3119	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3120	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3122	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3123	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3124	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3125	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3126	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3127	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3128	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C3129	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3130	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3133	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3135	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3136	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3137	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3138	1-128-396-11	ELECT CHIP	470µF	20%	10V
C3139	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C3140	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3141	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3143	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3144	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3145	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3147	1-128-004-11	ELECT CHIP	10µF	20%	16V
C3149	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C3150	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3151	1-128-013-11	ELECT CHIP	1µF	20%	50V
C3152	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3153	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C3154	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3155	1-163-231-11	CERAMIC CHIP	15pF	5%	50V
C3156	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3157	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3158	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3159	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3160	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3161	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3162	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3163	1-128-004-11	ELECT CHIP	10µF	20%	16V

<CONNECTOR>

CN3001	* 1-778-373-11	PIN, CONNECTOR (PC BOARD) 26P	
CN3002	* 1-778-373-11	PIN, CONNECTOR (PC BOARD) 26P	

<DIODE>

D3001	8-719-914-43	DIODE DAN202K	

<FERRITE BEAD>

FB3001	1-414-753-91	INDUCTOR	4.7µH
FB3002	1-543-775-11	FERRITE	0µH
FB3003	1-543-775-11	FERRITE	0µH
FB3004	1-543-775-11	FERRITE	0µH
FB3005	1-414-753-91	INDUCTOR	4.7µH
FB3006	1-414-753-91	INDUCTOR	4.7µH
FB3007	1-414-234-22	INDUCTOR CHIP	0µH
FB3008	1-414-234-22	INDUCTOR CHIP	0µH
FB3009	1-414-234-22	INDUCTOR CHIP	0µH
FB3010	1-414-234-22	INDUCTOR CHIP	0µH

<FILTER>

FL3001	1-233-736-21	FILTER, EMI
FL3002	1-233-736-21	FILTER, EMI
FL3003	1-233-736-21	FILTER, EMI
FL3004	1-233-736-21	FILTER, EMI
FL3005	1-233-736-21	FILTER, EMI
FL3006	1-233-736-21	FILTER, EMI
FL3007	1-239-289-11	FILTER, LOW PASS
FL3008	1-239-289-11	FILTER, LOW PASS
FL3009	1-239-847-11	FILTER, LOW PASS

<IC>

IC3001	8-759-460-72	IC BA033FP-E2
IC3002	8-759-460-74	IC BA05FP-E2
IC3004	8-759-460-74	IC BA05FP-E2
IC3005	* 8-759-524-25	IC TC7WH241FU(TE12R)
IC3006	8-752-094-47	IC CXA2123AQ-T6
IC3007	8-759-353-02	IC NJM2533M(TE2)
IC3008	8-759-353-02	IC NJM2533M(TE2)
IC3010	8-759-436-89	IC MC141627FT
IC3011	8-759-269-92	IC SN74HCU04ANSR
IC3012	8-759-568-27	IC MSM514265C-60JSDR1

Ref.No.	Part No.	Description	Remark
IC3013	8-759-161-24	IC UPC659AGS-E2	
IC3014	8-759-536-12	IC UPD64081BGF-3BA	
IC3015	8-759-387-75	IC TC7W00F(TE12R)	
		<COIL>	
L3001	1-412-533-21	INDUCTOR 47µH	
L3002	1-412-533-21	INDUCTOR 47µH	
L3004	1-412-533-21	INDUCTOR 47µH	
L3005	1-412-058-11	INDUCTOR CHIP 10µH	
L3006	1-412-058-11	INDUCTOR CHIP 10µH	
L3007	1-410-389-31	INDUCTOR CHIP 47µH	
L3009	1-410-383-31	INDUCTOR CHIP 15µH	
L3010	1-410-383-31	INDUCTOR CHIP 15µH	
L3011	1-410-389-31	INDUCTOR CHIP 47µH	
L3012	1-410-389-31	INDUCTOR CHIP 47µH	
L3013	1-412-058-11	INDUCTOR CHIP 10µH	
L3014	1-412-058-11	INDUCTOR CHIP 10µH	
L3015	1-410-200-31	INDUCTOR CHIP 4.7µH	
L3016	1-412-058-11	INDUCTOR CHIP 10µH	
L3017	1-414-753-91	INDUCTOR 4.7µH	
L3018	1-414-753-91	INDUCTOR 4.7µH	
L3019	1-412-058-11	INDUCTOR CHIP 10µH	
L3020	1-412-058-11	INDUCTOR CHIP 10µH	
L3021	1-412-058-11	INDUCTOR CHIP 10µH	
L3022	1-412-058-11	INDUCTOR CHIP 10µH	
L3023	1-412-058-11	INDUCTOR CHIP 10µH	
L3024	1-412-533-21	INDUCTOR 47µH	
L3026	1-412-533-21	INDUCTOR 47µH	
		<TRANSISTOR>	
Q3001	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q3002	8-729-107-31	TRANSISTOR 2SC3545-T1T44	
Q3003	8-729-107-31	TRANSISTOR 2SC3545-T1T44	
Q3004	8-729-107-31	TRANSISTOR 2SC3545-T1T44	
Q3005	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3006	8-729-101-07	TRANSISTOR 2SB798-DL	
Q3007	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3008	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3009	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3010	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3011	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3012	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3013	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3014	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3015	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3016	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3017	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3018	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3019	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3020	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3021	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3022	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3023	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3024	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3025	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3026	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3027	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3028	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3029	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3030	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3031	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3032	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3033	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3034	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3035	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3036	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3037	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3038	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q3039	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3040	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3041	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3042	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3043	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
		<RESISTOR>	
R3001	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R3002	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3003	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3004	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3005	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3006	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3007	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3008	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3009	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3010	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3011	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3012	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3013	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3014	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3015	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R3016	1-216-295-91	SHORT 0	
R3018	1-216-295-91	SHORT 0	
R3019	1-216-685-11	METAL CHIP 27K 0.50% 1/10W	
R3020	1-208-796-11	METAL CHIP 3.9K 0.50% 1/10W	
R3021	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R3022	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3023	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3024	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R3025	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3026	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3027	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3028	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3029	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3030	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3031	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3032	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3033	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3034	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3035	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3036	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R3037	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3038	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3039	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3040	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3041	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3042	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3043	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3044	1-216-017-91	RES,CHIP 47 5% 1/10W	
R3050	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3051	1-216-620-11	METAL CHIP 51 0.50% 1/10W	
R3052	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3053	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3054	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3055	1-216-690-11	METAL CHIP 43K 0.50% 1/10W	
R3056	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3057	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3058	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3059	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3060	1-216-025-91	RES,CHIP 100 5% 1/10W	
R3061	1-216-025-91	RES,CHIP 100 5% 1/10W	

B F

Ref.No.	Part No.	Description			Remark
R3062	1-216-025-91	RES,CHIP	100	5%	1/10W
R3063	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3064	1-216-025-91	RES,CHIP	100	5%	1/10W
R3065	1-216-025-91	RES,CHIP	100	5%	1/10W
R3066	1-216-033-00	RES,CHIP	220	5%	1/10W
R3067	1-216-025-91	RES,CHIP	100	5%	1/10W
R3068	1-216-025-91	RES,CHIP	100	5%	1/10W
R3069	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R3070	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R3071	1-216-644-11	METAL CHIP	510	0.50%	1/10W
R3072	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R3073	1-216-644-11	METAL CHIP	510	0.50%	1/10W
R3074	1-216-033-00	RES,CHIP	220	5%	1/10W
R3076	1-216-081-00	RES,CHIP	22K	5%	1/10W
R3077	1-216-682-11	METAL CHIP	20K	0.50%	1/10W
R3078	1-216-081-00	RES,CHIP	22K	5%	1/10W
R3079	1-216-682-11	METAL CHIP	20K	0.50%	1/10W
R3080	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3081	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3082	1-216-035-00	RES,CHIP	270	5%	1/10W
R3083	1-216-035-00	RES,CHIP	270	5%	1/10W
R3084	1-216-017-91	RES,CHIP	47	5%	1/10W
R3085	1-216-047-91	RES,CHIP	820	5%	1/10W
R3086	1-216-041-00	RES,CHIP	470	5%	1/10W
R3087	1-216-047-91	RES,CHIP	820	5%	1/10W
R3088	1-216-033-00	RES,CHIP	220	5%	1/10W
R3089	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3090	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R3091	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R3092	1-216-025-91	RES,CHIP	100	5%	1/10W
R3093	1-216-025-91	RES,CHIP	100	5%	1/10W
R3094	1-216-025-91	RES,CHIP	100	5%	1/10W
R3095	1-216-678-11	METAL CHIP	13K	0.50%	1/10W
R3096	1-216-077-91	RES,CHIP	15K	5%	1/10W
R3098	1-216-121-91	RES,CHIP	1M	5%	1/10W
R3099	1-216-295-91	SHORT	0		
R3102	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R3103	1-216-041-00	RES,CHIP	470	5%	1/10W
R3104	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R3105	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R3106	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R3107	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R3109	1-216-025-91	RES,CHIP	100	5%	1/10W
R3110	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3111	1-216-025-91	RES,CHIP	100	5%	1/10W
R3112	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R3113	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R3114	1-216-023-00	RES,CHIP	82	5%	1/10W
R3115	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R3116	1-216-025-91	RES,CHIP	100	5%	1/10W
R3117	1-216-025-91	RES,CHIP	100	5%	1/10W
R3118	1-216-025-91	RES,CHIP	100	5%	1/10W
R3119	1-216-623-11	METAL CHIP	68	0.50%	1/10W
R3120	1-216-025-91	RES,CHIP	100	5%	1/10W
R3121	1-216-017-91	RES,CHIP	47	5%	1/10W
R3122	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R3123	1-216-025-91	RES,CHIP	100	5%	1/10W
R3124	1-216-025-91	RES,CHIP	100	5%	1/10W
R3125	1-216-025-91	RES,CHIP	100	5%	1/10W
R3126	1-216-025-91	RES,CHIP	100	5%	1/10W
R3128	1-216-295-91	SHORT	0		
R3130	1-216-017-91	RES,CHIP	47	5%	1/10W
R3131	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R3132	1-216-017-91	RES,CHIP	47	5%	1/10W
R3134	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R3135	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R3136	1-216-295-91	SHORT	0		
R3137	1-216-041-00	RES,CHIP	470	5%	1/10W
R3138	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R3139	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R3140	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3141	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R3142	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3143	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R3144	1-216-105-91	RES,CHIP	220K	5%	1/10W
R3145	1-216-025-91	RES,CHIP	100	5%	1/10W
R3147	1-216-033-00	RES,CHIP	220	5%	1/10W
R3148	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R3149	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R3150	1-216-666-11	METAL CHIP	4.3K	0.50%	1/10W
R3151	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R3152	1-216-666-11	METAL CHIP	4.3K	0.50%	1/10W
R3153	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R3154	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R3155	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R3156	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W
R3157	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R3158	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3159	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R3160	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R3161	1-216-647-11	METAL CHIP	680	0.50%	1/10W
R3162	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R3163	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R3164	1-216-295-91	SHORT	0		
R3165	1-216-025-91	RES,CHIP	100	5%	1/10W
R3166	1-216-025-91	RES,CHIP	100	5%	1/10W
R3167	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R3168	1-216-097-91	RES,CHIP	100K	5%	1/10W
R3169	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R3170	1-216-097-91	RES,CHIP	100K	5%	1/10W
R3171	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R3172	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R3173	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R3174	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3175	1-216-017-91	RES,CHIP	47	5%	1/10W
R3176	1-216-017-91	RES,CHIP	47	5%	1/10W
R3177	1-216-025-91	RES,CHIP	100	5%	1/10W
R3178	1-216-025-91	RES,CHIP	100	5%	1/10W
R3179	1-216-025-91	RES,CHIP	100	5%	1/10W
R3180	1-216-025-91	RES,CHIP	100	5%	1/10W
R3181	1-216-672-11	METAL CHIP	7.5K	0.50%	1/10W
R3182	1-216-089-91	RES,CHIP	47K	5%	1/10W
R3183	1-216-089-91	RES,CHIP	47K	5%	1/10W
R3187	1-216-117-00	RES,CHIP	680K	5%	1/10W
R3188	1-216-117-00	RES,CHIP	680K	5%	1/10W
		<CRYSTAL>			
X3001	1-781-612-11	VIBRATOR, CRYSTAL (16.2MHz)			
X3002	1-767-606-11	VIBRATOR, CRYSTAL (20MHz)			
		**********			
	* A-1241-397-A	F MOUNT			
		**********			
	* 4-374-846-01	COVER, CAPACITOR, CAP TYPE			
		<CAPACITOR>			
C2500	⚠1-113-912-11	CERAMIC	0.0047µF	20%	250V

Ref.No.	Part No.	Description			Remark
C2501	⚠1-113-912-11	CERAMIC	0.0047µF	20%	250V
C2502	⚠1-107-533-11	FILM	1µF	20%	275V
C2503	⚠1-109-835-11	FILM	0.68µF	20%	275V
C2504	⚠1-113-912-11	CERAMIC	0.0047µF	20%	250V
C2505	⚠1-113-912-11	CERAMIC	0.0047µF	20%	250V
	<CONNECTOR>				
CN2501	* 1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P			
CN2502	1-695-915-11	TAB (CONTACT)			
CN2503	* 1-691-960-21	PIN, CONNECTOR (PC BOARD) 3P			
	<FUSE>				
F2500	⚠1-576-233-11	FUSE (H.B.C.) (63A/250V)			
	1-533-223-11	HOLDER, FUSE; F2500			
	<COIL>				
L2500	⚠1-415-967-11	INDUCTOR	5mH		
	<RESISTOR>				
R2500	⚠1-202-847-00	SOLID	560K	20%	1/2W
R2501	⚠1-202-847-00	SOLID	560K	20%	1/2W
	<VARISTOR>				
VD2500	⚠1-801-073-41	VARISTOR ERZV14D471			
**********					
	A-1275-185-A	Q COMPL **********			
	<CAPACITOR>				
C4001	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C4002	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C4003	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C4004	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C4005	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C4006	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C4007	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C4008	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C4009	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C4010	1-109-994-11	CERAMIC CHIP	2.2µF	10%	10V
C4011	1-109-994-11	CERAMIC CHIP	2.2µF	10%	10V
C4012	1-124-779-00	ELECT CHIP	10µF	20%	16V
C4013	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4014	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4015	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4016	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4017	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4018	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4019	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4020	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4021	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4022	1-163-245-11	CERAMIC CHIP	56pF	5%	50V
C4023	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4024	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4025	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4026	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4027	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4028	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V

Ref.No.	Part No.	Description			Remark
C4029	1-128-453-21	ELECT CHIP	47µF	20%	6.3V
C4030	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4031	1-128-453-21	ELECT CHIP	47µF	20%	6.3V
C4032	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4033	1-128-453-21	ELECT CHIP	47µF	20%	6.3V
C4034	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4035	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4040	1-104-601-11	ELECT CHIP	10µF	20%	10V
C4041	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C4042	1-104-601-11	ELECT CHIP	10µF	20%	10V
C4043	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4044	1-164-344-11	CERAMIC CHIP	0.068µF	10%	25V
C4045	1-124-779-00	ELECT CHIP	10µF	20%	16V
C4046	1-124-779-00	ELECT CHIP	10µF	20%	16V
C4047	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4048	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4049	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4050	1-163-259-91	CERAMIC CHIP	220pF	5%	50V
C4051	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C4052	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C4053	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4054	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4055	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4056	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C4058	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4059	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4060	1-124-778-00	ELECT CHIP	22µF	20%	6.3V
C4061	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C4063	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C4064	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4065	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4066	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4067	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4068	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4069	1-163-131-00	CERAMIC CHIP	390pF	5%	50V
C4070	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C4071	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4072	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4073	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4074	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4075	1-128-008-11	ELECT CHIP	3.3µF	20%	35V
C4079	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4080	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4082	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4083	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4084	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4085	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4086	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4087	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4088	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4089	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4090	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4091	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4092	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4093	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4094	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4095	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4098	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4099	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4100	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4101	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4102	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4103	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4104	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4105	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4106	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V

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Ref.No.	Part No.	Description			Remark
C4107	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4108	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4109	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4110	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4111	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4112	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4113	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4114	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4115	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4116	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4117	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4118	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4119	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4120	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4121	1-126-189-11	ELECT CHIP	0.22µF	20%	50V
C4122	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4123	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4124	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4125	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4126	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4127	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4128	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4129	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C4130	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C4131	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4132	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
C4133	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4134	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4135	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4136	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4137	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4138	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4139	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C4140	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4141	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4144	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4145	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4146	1-128-401-11	ELECT CHIP	100µF	20%	25V
C4147	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4148	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4149	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4150	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4151	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4152	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4153	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4154	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4155	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4156	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4157	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4158	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4159	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4160	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C4161	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4162	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4163	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C4164	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4165	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4166	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C4167	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4168	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C4169	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4170	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4171	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4172	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4173	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C4174	1-117-681-11	ELECT CHIP	100µF	20%	16V

Ref.No.	Part No.	Description			Remark
C4175	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4176	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4177	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4178	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4179	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4180	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4181	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4182	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4183	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4184	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4185	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4186	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4187	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4188	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4189	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4190	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4191	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4192	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4193	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4194	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4195	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4197	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4199	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4201	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C4202	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4203	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4204	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C4205	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4206	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4207	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4208	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4209	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4210	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4211	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4212	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4213	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4216	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4217	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4218	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4219	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4220	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4221	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4222	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4223	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4224	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4225	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4226	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4227	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4228	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4229	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4230	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4231	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4232	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4233	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4234	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4235	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4236	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4237	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4238	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4239	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4240	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4241	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4242	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4243	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4244	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4245	1-117-681-11	ELECT CHIP	100µF	20%	16V

Ref.No.	Part No.	Description			Remark
C4246	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4247	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4248	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4249	1-128-006-11	ELECT CHIP	4.7µF	20%	25V
C4250	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4251	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C4252	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4253	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4254	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4255	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4256	1-117-681-11	ELECT CHIP	100µF	20%	16V
C4257	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4258	1-126-204-11	ELECT CHIP	47µF	20%	16V
C4259	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C4260	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C4261	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C4262	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4263	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4264	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4268	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4269	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4270	1-128-013-11	ELECT CHIP	1µF	20%	50V
C4271	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4272	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4273	1-126-395-11	ELECT CHIP	22µF	20%	16V
C4274	1-126-395-11	ELECT CHIP	22µF	20%	16V
C4275	1-128-013-11	ELECT CHIP	1µF	20%	50V
C4276	1-126-395-11	ELECT CHIP	22µF	20%	16V
C4277	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4278	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4281	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4282	1-128-004-11	ELECT CHIP	10µF	20%	16V
C4283	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C4284	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4285	1-126-603-11	ELECT CHIP	4.7µF	20%	35V
C4286	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		<CONNECTOR>			
CN4001	1-537-797-12	TERMINAL BOARD ASSY, I/O (REMOTE (RS-232C))			
CN4002	* 1-793-797-21	CONNECTOR, BOARD TO BOARD 50P			
CN4003	* 1-778-373-11	PIN, CONNECTOR (PC BOARD) 26P			
CN4004	* 1-785-305-21	CONNECTOR, BOARD TO BOARD 70P			
CN4005	* 1-778-373-11	PIN, CONNECTOR (PC BOARD) 26P			
CN4006	* 1-778-373-11	PIN, CONNECTOR (PC BOARD) 26P			
		<DIODE>			
D4001	8-719-037-22	DIODE RD12SB-T1			
D4002	8-719-158-37	DIODE RD9.1SB2			
D4003	8-719-914-43	DIODE DAN202K			
D4004	8-719-914-43	DIODE DAN202K			
D4005	8-719-914-44	DIODE DAP202K			
D4006	8-719-037-53	DIODE RD27SB-T1			
D4007	8-719-914-42	DIODE DA204K			
D4008	8-719-037-53	DIODE RD27SB-T1			
D4009	8-719-037-53	DIODE RD27SB-T1			
D4010	8-719-914-42	DIODE DA204K			
D4011	8-719-037-53	DIODE RD27SB-T1			
D4012	8-719-158-37	DIODE RD9.1SB2			
D4013	8-719-158-37	DIODE RD9.1SB2			
D4014	8-719-158-37	DIODE RD9.1SB2			
D4015	8-719-800-76	DIODE 1SS226			
D4016	8-719-800-76	DIODE 1SS226			
D4017	8-719-800-76	DIODE 1SS226			
D4018	8-719-800-76	DIODE 1SS226			
D4019	8-719-800-76	DIODE 1SS226			
D4021	8-719-914-43	DIODE DAN202K			
D4022	8-719-914-43	DIODE DAN202K			
D4023	8-719-914-43	DIODE DAN202K			
D4024	8-719-422-12	DIODE MA8039			
D4032	8-719-914-43	DIODE DAN202K			
D4033	8-719-914-43	DIODE DAN202K			
D4034	8-719-914-43	DIODE DAN202K			
		<FILTER>			
FL4001	1-234-346-21	FILTER, LOW PASS			
FL4002	1-234-346-21	FILTER, LOW PASS			
FL4003	1-234-345-21	FILTER, LOW PASS			
FL4004	1-234-344-21	FILTER, LOW PASS			
FL4005	1-234-344-21	FILTER, LOW PASS			
FL4006	1-234-343-21	FILTER, LOW PASS			
		<IC>			
IC4001	8-759-285-61	IC PC74HC123D-T			
IC4002	8-759-252-59	IC MAX202CSE			
IC4003	8-759-457-53	IC GS1881-CTA			
IC4004	8-752-072-94	IC CXA1875AM-T4			
IC4005	8-752-072-94	IC CXA1875AM-T4			
IC4006	8-759-646-02	IC M52347FP-TE			
IC4007	8-759-491-93	IC EL4332CS-TE2			
IC4008	8-759-186-43	IC TC74VHC123AF			
IC4009	8-759-174-16	IC TC74VHC244F			
IC4010	* 8-759-524-24	IC TC7WT241FU(TE12R)			
IC4011	8-759-038-15	IC MC74HC4538AF			
IC4012	8-759-344-12	IC GS4981CTA			
IC4013	8-752-086-33	IC CXA2101AQ-TL			
IC4014	8-759-433-92	IC TC7W14F-TE12L			
IC4015	8-759-460-72	IC BA033FP-E2			
IC4016	8-759-460-74	IC BA05FP-E2			
IC4017	8-759-460-81	IC BA12FP-E2			
IC4018	8-759-539-89	IC LM2990SX-5.0			
IC4020	8-759-460-79	IC BA09FP-E2			
IC4021	8-759-988-13	IC LM393PS			
IC4022	8-759-353-02	IC NJM2533M(TE2)			
IC4023	8-759-988-13	IC LM393PS			
IC4024	8-759-353-02	IC NJM2533M(TE2)			
IC4025	8-759-353-02	IC NJM2533M(TE2)			
IC4026	8-759-988-13	IC LM393PS			
IC4027	8-759-353-02	IC NJM2533M(TE2)			
IC4028	8-759-460-72	IC BA033FP-E2			
IC4029	8-759-447-90	IC TLC5733AIPM			
IC4030	8-752-072-94	IC CXA1875AM-T4			
IC4031	8-759-430-32	IC TLC2933IPWR			
IC4032	8-749-015-18	IC PQ07VZ012P			
IC4033	8-752-398-47	IC CXD2090Q			
IC4034	8-759-295-09	IC TLC2932IPW			
IC4035	8-759-573-19	IC MSM56V16160D-10TS-K			
IC4036	8-759-700-78	IC NJM082M			
IC4038	8-759-092-82	IC SN75157PS-ELL2000			
IC4039	8-759-031-84	IC SC7S04F			
		<JACK>			
J4001	1-563-935-11	JACK, STEREO HEADPHONE (TRIGGER)			
J4002	1-563-935-11	JACK, STEREO HEADPHONE (CONTROLS-IN)			

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Ref.No.	Part No.	Description	Remark
J4003	1-793-742-11	TERMINAL BLOCK, S (VIDEO IN)	
J4004	1-770-146-11	JACK BLOCK, PIN 3P (INPUT A)	
J4005	1-793-743-11	JACK BLOCK, PIN (INPUT A)	
J4006	1-770-146-11	JACK BLOCK, PIN 3P (INPUT B)	
J4007	1-793-743-11	JACK BLOCK, PIN (INPUT B)	
	<COIL>		
L4001	1-412-363-21	FERRITE	0µH
L4002	1-412-363-21	FERRITE	0µH
L4003	1-412-363-21	FERRITE	0µH
L4004	1-412-058-11	INDUCTOR CHIP	10µH
L4005	1-412-058-11	INDUCTOR CHIP	10µH
L4006	1-412-058-11	INDUCTOR CHIP	10µH
L4007	1-412-058-11	INDUCTOR CHIP	10µH
L4008	1-412-058-11	INDUCTOR CHIP	10µH
L4009	1-412-058-11	INDUCTOR CHIP	10µH
L4010	1-412-058-11	INDUCTOR CHIP	10µH
L4011	1-412-058-11	INDUCTOR CHIP	10µH
L4012	1-412-058-11	INDUCTOR CHIP	10µH
L4013	1-412-058-11	INDUCTOR CHIP	10µH
L4014	1-412-058-11	INDUCTOR CHIP	10µH
L4015	1-412-058-11	INDUCTOR CHIP	10µH
L4016	1-412-058-11	INDUCTOR CHIP	10µH
L4017	1-412-058-11	INDUCTOR CHIP	10µH
L4018	1-412-058-11	INDUCTOR CHIP	10µH
L4019	1-412-058-11	INDUCTOR CHIP	10µH
L4020	1-412-533-21	INDUCTOR	47µH
L4021	1-412-533-21	INDUCTOR	47µH
L4022	1-412-533-21	INDUCTOR	47µH
L4023	1-412-533-21	INDUCTOR	47µH
L4024	1-412-533-21	INDUCTOR	47µH
L4025	1-412-058-11	INDUCTOR CHIP	10µH
L4026	1-412-058-11	INDUCTOR CHIP	10µH
L4027	1-412-533-21	INDUCTOR	47µH
L4028	1-412-058-11	INDUCTOR CHIP	10µH
L4029	1-412-058-11	INDUCTOR CHIP	10µH
L4030	1-412-058-11	INDUCTOR CHIP	10µH
L4031	1-412-058-11	INDUCTOR CHIP	10µH
L4032	1-412-058-11	INDUCTOR CHIP	10µH
L4033	1-412-064-11	INDUCTOR CHIP	100µH
L4034	1-412-064-11	INDUCTOR CHIP	100µH
L4035	1-412-052-21	INDUCTOR CHIP	1µH
L4036	1-408-595-31	INDUCTOR	2.2µH
L4037	1-412-058-11	INDUCTOR CHIP	10µH
L4038	1-412-058-11	INDUCTOR CHIP	10µH
L4039	1-412-064-11	INDUCTOR CHIP	100µH
L4040	1-412-064-11	INDUCTOR CHIP	100µH
L4041	1-412-058-11	INDUCTOR CHIP	10µH
L4042	1-412-058-11	INDUCTOR CHIP	10µH
L4043	1-408-595-31	INDUCTOR	2.2µH
L4044	1-412-058-11	INDUCTOR CHIP	10µH
L4045	1-412-058-11	INDUCTOR CHIP	10µH
L4046	1-412-058-11	INDUCTOR CHIP	10µH
	<TRANSISTOR>		
Q4001	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4002	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4003	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q4004	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q4005	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4006	8-729-900-53	TRANSISTOR DTC114EK	
Q4007	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4008	8-729-900-53	TRANSISTOR DTC114EK	
Q4011	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4012	8-729-900-53	TRANSISTOR DTC114EK	
Q4013	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q4014	8-729-900-53	TRANSISTOR DTC114EK	
Q4015	8-729-107-31	TRANSISTOR 2SC3545-T1T44	
Q4016	8-729-107-31	TRANSISTOR 2SC3545-T1T44	
Q4017	8-729-107-31	TRANSISTOR 2SC3545-T1T44	
Q4018	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4019	8-729-101-07	TRANSISTOR 2SB798-DL	
Q4020	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4021	8-729-902-96	TRANSISTOR FMS1	
Q4022	8-729-902-96	TRANSISTOR FMS1	
Q4023	8-729-902-96	TRANSISTOR FMS1	
Q4024	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4025	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4026	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4027	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4028	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4029	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4030	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4031	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4032	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4033	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4034	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4035	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4036	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4037	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4038	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4039	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4040	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4041	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4042	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4043	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4045	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4046	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q4047	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4048	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q4049	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q4050	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4051	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q4052	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q4053	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
	<RESISTOR>		
R4001	1-216-667-11	METAL CHIP 4.7K	0.50% 1/10W
R4002	1-216-308-00	RES,CHIP 4.7	5% 1/10W
R4003	1-216-089-91	RES,CHIP 47K	5% 1/10W
R4004	1-216-057-00	RES,CHIP 2.2K	5% 1/10W
R4005	1-216-113-00	RES,CHIP 470K	5% 1/10W
R4006	1-216-089-91	RES,CHIP 47K	5% 1/10W
R4007	1-216-025-91	RES,CHIP 100	5% 1/10W
R4008	1-216-081-00	RES,CHIP 22K	5% 1/10W
R4009	1-216-025-91	RES,CHIP 100	5% 1/10W
R4010	1-216-148-00	RES,CHIP 8.2	5% 1/8W
R4011	1-216-025-91	RES,CHIP 100	5% 1/10W
R4012	1-216-097-91	RES,CHIP 100K	5% 1/10W
R4013	1-216-025-91	RES,CHIP 100	5% 1/10W
R4014	1-216-049-91	RES,CHIP 1K	5% 1/10W
R4015	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R4016	1-216-025-91	RES,CHIP 100	5% 1/10W
R4017	1-216-025-91	RES,CHIP 100	5% 1/10W
R4018	1-216-049-91	RES,CHIP 1K	5% 1/10W
R4019	1-216-295-91	SHORT 0	
R4020	1-216-295-91	SHORT 0	
R4021	1-216-025-91	RES,CHIP 100	5% 1/10W
R4022	1-216-295-91	SHORT 0	

Ref.No.	Part No.	Description		Remark
R4023	1-216-295-91	SHORT	0	
R4024	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4025	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4026	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4027	1-216-295-91	SHORT	0	
R4028	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4029	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4030	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4031	1-216-641-11	METAL CHIP	390	0.50% 1/10W
R4032	1-216-049-91	RES,CHIP	1K	5% 1/10W
R4033	1-216-295-91	SHORT	0	
R4034	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4035	1-216-049-91	RES,CHIP	1K	5% 1/10W
R4036	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4037	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4038	1-216-641-11	METAL CHIP	390	0.50% 1/10W
R4039	1-216-049-91	RES,CHIP	1K	5% 1/10W
R4040	1-216-057-00	RES,CHIP	2.2K	5% 1/10W
R4041	1-216-049-91	RES,CHIP	1K	5% 1/10W
R4042	1-216-025-91	RES,CHIP	100	5% 1/10W
R4050	1-218-767-11	METAL CHIP	430K	0.50% 1/10W
R4054	1-216-025-91	RES,CHIP	100	5% 1/10W
R4055	1-216-025-91	RES,CHIP	100	5% 1/10W
R4056	1-216-025-91	RES,CHIP	100	5% 1/10W
R4057	1-216-025-91	RES,CHIP	100	5% 1/10W
R4058	1-216-025-91	RES,CHIP	100	5% 1/10W
R4059	1-216-025-91	RES,CHIP	100	5% 1/10W
R4060	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4061	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4062	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4063	1-216-641-11	METAL CHIP	390	0.50% 1/10W
R4064	1-216-069-00	RES,CHIP	6.8K	5% 1/10W
R4065	1-216-641-11	METAL CHIP	390	0.50% 1/10W
R4066	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4067	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4068	1-216-065-91	RES,CHIP	4.7K	5% 1/10W
R4070	1-216-091-00	RES,CHIP	56K	5% 1/10W
R4071	1-216-065-91	RES,CHIP	4.7K	5% 1/10W
R4072	1-216-065-91	RES,CHIP	4.7K	5% 1/10W
R4073	1-216-017-91	RES,CHIP	47	5% 1/10W
R4074	1-216-049-91	RES,CHIP	1K	5% 1/10W
R4075	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4076	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4077	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4078	1-216-065-91	RES,CHIP	4.7K	5% 1/10W
R4079	1-216-666-11	METAL CHIP	4.3K	0.50% 1/10W
R4080	1-216-025-91	RES,CHIP	100	5% 1/10W
R4081	1-216-025-91	RES,CHIP	100	5% 1/10W
R4082	1-216-690-11	METAL CHIP	43K	0.50% 1/10W
R4083	1-216-025-91	RES,CHIP	100	5% 1/10W
R4084	1-216-025-91	RES,CHIP	100	5% 1/10W
R4085	1-216-025-91	RES,CHIP	100	5% 1/10W
R4086	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4087	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4088	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4089	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4090	1-216-057-00	RES,CHIP	2.2K	5% 1/10W
R4092	1-216-631-11	METAL CHIP	150	0.50% 1/10W
R4093	1-216-629-11	METAL CHIP	120	0.50% 1/10W
R4094	1-216-025-91	RES,CHIP	100	5% 1/10W
R4096	1-216-025-91	RES,CHIP	100	5% 1/10W
R4097	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4098	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4100	1-216-624-11	METAL CHIP	75	0.50% 1/10W
R4101	1-216-025-91	RES,CHIP	100	5% 1/10W
R4103	1-216-624-11	METAL CHIP	75	0.50% 1/10W

Ref.No.	Part No.	Description		Remark
R4105	1-216-025-91	RES,CHIP	100	5% 1/10W
R4106	1-216-017-91	RES,CHIP	47	5% 1/10W
R4107	1-216-017-91	RES,CHIP	47	5% 1/10W
R4108	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R4109	1-216-017-91	RES,CHIP	47	5% 1/10W
R4110	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4111	1-216-089-91	RES,CHIP	47K	5% 1/10W
R4112	1-216-081-00	RES,CHIP	22K	5% 1/10W
R4113	1-216-089-91	RES,CHIP	47K	5% 1/10W
R4114	1-216-085-00	RES,CHIP	33K	5% 1/10W
R4115	1-216-089-91	RES,CHIP	47K	5% 1/10W
R4116	1-216-081-00	RES,CHIP	22K	5% 1/10W
R4117	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R4118	1-216-025-91	RES,CHIP	100	5% 1/10W
R4119	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4120	1-216-037-00	RES,CHIP	330	5% 1/10W
R4121	1-216-037-00	RES,CHIP	330	5% 1/10W
R4122	1-216-037-00	RES,CHIP	330	5% 1/10W
R4123	1-216-017-91	RES,CHIP	47	5% 1/10W
R4124	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4125	1-216-017-91	RES,CHIP	47	5% 1/10W
R4126	1-216-017-91	RES,CHIP	47	5% 1/10W
R4127	1-216-017-91	RES,CHIP	47	5% 1/10W
R4128	1-218-762-11	METAL CHIP	270K	0.50% 1/10W
R4129	1-216-065-91	RES,CHIP	4.7K	5% 1/10W
R4130	1-216-295-91	SHORT	0	
R4131	1-216-295-91	SHORT	0	
R4132	1-216-683-11	METAL CHIP	22K	0.50% 1/10W
R4133	1-216-017-91	RES,CHIP	47	5% 1/10W
R4134	1-216-017-91	RES,CHIP	47	5% 1/10W
R4135	1-216-017-91	RES,CHIP	47	5% 1/10W
R4136	1-216-017-91	RES,CHIP	47	5% 1/10W
R4137	1-216-017-91	RES,CHIP	47	5% 1/10W
R4138	1-216-041-00	RES,CHIP	470	5% 1/10W
R4139	1-216-057-00	RES,CHIP	2.2K	5% 1/10W
R4140	1-216-017-91	RES,CHIP	47	5% 1/10W
R4141	1-216-025-91	RES,CHIP	100	5% 1/10W
R4142	1-216-017-91	RES,CHIP	47	5% 1/10W
R4143	1-216-025-91	RES,CHIP	100	5% 1/10W
R4144	1-216-017-91	RES,CHIP	47	5% 1/10W
R4145	1-216-017-91	RES,CHIP	47	5% 1/10W
R4146	1-216-017-91	RES,CHIP	47	5% 1/10W
R4148	1-216-073-00	RES,CHIP	10K	5% 1/10W
R4149	1-216-133-00	RES,CHIP	3.3M	5% 1/10W
R4150	1-216-017-91	RES,CHIP	47	5% 1/10W
R4151	1-216-083-00	RES,CHIP	27K	5% 1/10W
R4152	1-216-089-91	RES,CHIP	47K	5% 1/10W
R4153	1-216-669-11	METAL CHIP	5.6K	0.50% 1/10W
R4154	1-216-017-91	RES,CHIP	47	5% 1/10W
R4155	1-216-025-91	RES,CHIP	100	5% 1/10W
R4156	1-216-025-91	RES,CHIP	100	5% 1/10W
R4157	1-216-691-11	METAL CHIP	47K	0.50% 1/10W
R4158	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R4159	1-216-017-91	RES,CHIP	47	5% 1/10W
R4160	1-216-017-91	RES,CHIP	47	5% 1/10W
R4161	1-216-017-91	RES,CHIP	47	5% 1/10W
R4162	1-216-041-00	RES,CHIP	470	5% 1/10W
R4164	1-216-017-91	RES,CHIP	47	5% 1/10W
R4165	1-216-017-91	RES,CHIP	47	5% 1/10W
R4166	1-216-041-00	RES,CHIP	470	5% 1/10W
R4168	1-216-017-91	RES,CHIP	47	5% 1/10W
R4169	1-216-017-91	RES,CHIP	47	5% 1/10W
R4170	1-216-295-91	SHORT	0	
R4171	1-216-041-00	RES,CHIP	470	5% 1/10W
R4173	1-216-017-91	RES,CHIP	47	5% 1/10W
R4174	1-216-017-91	RES,CHIP	47	5% 1/10W

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Ref.No.	Part No.	Description			Remark
R4175	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R4176	1-216-077-91	RES,CHIP	15K	5%	1/10W
R4177	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R4178	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R4179	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R4180	1-216-697-91	METAL CHIP	82K	0.50%	1/10W
R4181	1-216-017-91	RES,CHIP	47	5%	1/10W
R4182	1-216-017-91	RES,CHIP	47	5%	1/10W
R4183	1-216-697-91	METAL CHIP	82K	0.50%	1/10W
R4184	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R4185	1-216-017-91	RES,CHIP	47	5%	1/10W
R4186	1-216-017-91	RES,CHIP	47	5%	1/10W
R4187	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R4188	1-216-693-11	METAL CHIP	56K	0.50%	1/10W
R4189	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R4190	1-216-017-91	RES,CHIP	47	5%	1/10W
R4191	1-216-017-91	RES,CHIP	47	5%	1/10W
R4192	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4193	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4194	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4195	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4196	1-216-017-91	RES,CHIP	47	5%	1/10W
R4197	1-216-017-91	RES,CHIP	47	5%	1/10W
R4198	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4199	1-216-025-91	RES,CHIP	100	5%	1/10W
R4200	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4201	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4202	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4203	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R4204	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R4205	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R4206	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R4207	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R4208	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4209	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4210	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R4211	1-216-045-00	RES,CHIP	680	5%	1/10W
R4212	1-216-025-91	RES,CHIP	100	5%	1/10W
R4213	1-216-025-91	RES,CHIP	100	5%	1/10W
R4214	1-216-025-91	RES,CHIP	100	5%	1/10W
R4215	1-216-025-91	RES,CHIP	100	5%	1/10W
R4216	1-216-621-11	METAL CHIP	56	0.50%	1/10W
R4217	1-216-621-11	METAL CHIP	56	0.50%	1/10W
R4218	1-216-025-91	RES,CHIP	100	5%	1/10W
R4219	1-216-623-11	METAL CHIP	68	0.50%	1/10W
R4220	1-216-623-11	METAL CHIP	68	0.50%	1/10W
R4221	1-216-025-91	RES,CHIP	100	5%	1/10W
R4222	1-216-621-11	METAL CHIP	56	0.50%	1/10W
R4223	1-216-295-91	SHORT	0		
R4224	1-216-621-11	METAL CHIP	56	0.50%	1/10W
R4225	1-216-077-91	RES,CHIP	15K	5%	1/10W
R4226	1-216-077-91	RES,CHIP	15K	5%	1/10W
R4227	1-216-077-91	RES,CHIP	15K	5%	1/10W
R4228	1-216-621-11	METAL CHIP	56	0.50%	1/10W
R4229	1-216-295-91	SHORT	0		
R4230	1-216-295-91	SHORT	0		
R4231	1-216-621-11	METAL CHIP	56	0.50%	1/10W
R4232	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4233	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4234	1-216-621-11	METAL CHIP	56	0.50%	1/10W
R4235	1-216-621-11	METAL CHIP	56	0.50%	1/10W
R4236	1-216-113-00	RES,CHIP	470K	5%	1/10W
R4237	1-216-025-91	RES,CHIP	100	5%	1/10W
R4238	1-216-025-91	RES,CHIP	100	5%	1/10W
R4239	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4240	1-216-081-00	RES,CHIP	22K	5%	1/10W

Ref.No.	Part No.	Description			Remark
R4241	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4242	1-216-025-91	RES,CHIP	100	5%	1/10W
R4243	1-216-025-91	RES,CHIP	100	5%	1/10W
R4244	1-216-033-00	RES,CHIP	220	5%	1/10W
R4245	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4246	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4247	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R4248	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4249	1-216-025-91	RES,CHIP	100	5%	1/10W
R4250	1-216-025-91	RES,CHIP	100	5%	1/10W
R4251	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4252	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4253	1-216-062-00	RES,CHIP	3.6K	5%	1/10W
R4255	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4256	1-216-113-00	RES,CHIP	470K	5%	1/10W
R4257	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4259	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4260	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4261	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4262	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4263	1-216-085-00	RES,CHIP	33K	5%	1/10W
R4264	1-216-085-00	RES,CHIP	33K	5%	1/10W
R4265	1-216-085-00	RES,CHIP	33K	5%	1/10W
R4266	1-216-295-91	SHORT	0		
R4267	1-216-085-00	RES,CHIP	33K	5%	1/10W
R4268	1-216-025-91	RES,CHIP	100	5%	1/10W
R4269	1-216-025-91	RES,CHIP	100	5%	1/10W
R4270	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4273	1-216-025-91	RES,CHIP	100	5%	1/10W
R4274	1-216-646-11	METAL CHIP	620	0.50%	1/10W
R4275	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R4276	1-216-035-00	RES,CHIP	270	5%	1/10W
R4277	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R4278	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R4279	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R4280	1-216-295-91	SHORT	0		
R4281	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R4282	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R4283	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4284	1-216-025-91	RES,CHIP	100	5%	1/10W
R4285	1-216-047-91	RES,CHIP	820	5%	1/10W
R4286	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R4287	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4288	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R4289	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4290	1-216-117-00	RES,CHIP	680K	5%	1/10W
R4291	1-216-066-00	RES,CHIP	5.1K	5%	1/10W
R4292	1-216-117-00	RES,CHIP	680K	5%	1/10W
R4294	1-216-295-91	SHORT	0		
R4295	1-216-089-91	RES,CHIP	47K	5%	1/10W
R4296	1-216-037-00	RES,CHIP	330	5%	1/10W
R4297	1-216-037-00	RES,CHIP	330	5%	1/10W
R4298	1-216-295-91	SHORT	0		
R4299	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R4300	1-216-295-91	SHORT	0		
R4301	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R4302	1-216-295-91	SHORT	0		
R4303	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R4304	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R4305	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R4306	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R4307	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R4308	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R4309	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R4310	1-216-049-91	RES,CHIP	1K	5%	1/10W

Ref.No.	Part No.	Description			Remark
R4311	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4312	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4313	1-216-033-00	RES,CHIP	220	5%	1/10W
R4314	1-216-037-00	RES,CHIP	330	5%	1/10W
R4315	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4316	1-216-085-00	RES,CHIP	33K	5%	1/10W
R4317	1-216-295-91	SHORT	0		
R4318	1-216-295-91	SHORT	0		
R4319	1-216-041-00	RES,CHIP	470	5%	1/10W
R4320	1-216-047-91	RES,CHIP	820	5%	1/10W
R4321	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4322	1-216-017-91	RES,CHIP	47	5%	1/10W
R4323	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4324	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4325	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4326	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4327	1-216-025-91	RES,CHIP	100	5%	1/10W
R4328	1-216-025-91	RES,CHIP	100	5%	1/10W
R4329	1-216-025-91	RES,CHIP	100	5%	1/10W
R4332	1-216-295-91	SHORT	0		
R4333	1-216-295-91	SHORT	0		
R4334	1-216-295-91	SHORT	0		
R4346	1-216-017-91	RES,CHIP	47	5%	1/10W
R4347	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4348	1-216-025-91	RES,CHIP	100	5%	1/10W
R4349	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4350	1-216-089-91	RES,CHIP	47K	5%	1/10W
R4351	1-216-089-91	RES,CHIP	47K	5%	1/10W
R4352	1-216-041-00	RES,CHIP	470	5%	1/10W
R4353	1-216-099-00	RES,CHIP	120K	5%	1/10W
R4354	1-216-089-91	RES,CHIP	47K	5%	1/10W
R4355	1-216-017-91	RES,CHIP	47	5%	1/10W
R4356	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4357	1-216-025-91	RES,CHIP	100	5%	1/10W
R4358	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4359	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4360	1-216-095-00	RES,CHIP	82K	5%	1/10W
R4361	1-216-099-00	RES,CHIP	120K	5%	1/10W
R4362	1-216-089-91	RES,CHIP	47K	5%	1/10W
R4363	1-216-089-91	RES,CHIP	47K	5%	1/10W
R4364	1-216-017-91	RES,CHIP	47	5%	1/10W
R4365	1-216-017-91	RES,CHIP	47	5%	1/10W
R4366	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R4367	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R4368	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R4369	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R4370	1-216-017-91	RES,CHIP	47	5%	1/10W
R4371	1-216-089-91	RES,CHIP	47K	5%	1/10W
R4372	1-216-380-11	METAL OXIDE	8.2	5%	2W F
R4373	1-216-355-11	METAL OXIDE	3.3	5%	1W F
R4374	1-216-017-91	RES,CHIP	47	5%	1/10W
R4375	1-216-017-91	RES,CHIP	47	5%	1/10W
R4376	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R4377	1-216-001-00	RES,CHIP	10	5%	1/10W
R4378	1-216-001-00	RES,CHIP	10	5%	1/10W
R4379	1-216-001-00	RES,CHIP	10	5%	1/10W
R4381	1-216-017-91	RES,CHIP	47	5%	1/10W
R4382	1-216-017-91	RES,CHIP	47	5%	1/10W
R4383	1-216-017-91	RES,CHIP	47	5%	1/10W

<RELAY>

RY4001	1-755-384-21	RELAY
RY4002	1-755-384-21	RELAY
RY4003	1-755-384-21	RELAY
RY4004	1-755-384-21	RELAY

Ref.No.	Part No.	Description			Remark
		<THERMISTOR>			
TH4001	1-809-020-11	THERMISTOR			
**********					
	* A-1316-491-A	G COMPL			
		**********			
	7-682-647-09	SCREW +PS 3X6			
	7-682-648-09	SCREW +PS 3X8			
	7-682-650-09	SCREW +PS 3X12			
		<CAPACITOR>			
C2002	1-137-477-11	MYLAR	0.47µF	10%	400V
C2003	⚠1-161-964-61	CERAMIC	0.0047µF		250V
C2004	⚠1-161-964-61	CERAMIC	0.0047µF		250V
C2005	⚠1-161-964-61	CERAMIC	0.0047µF		250V
C2007	1-117-228-11	MYLAR	2.2µF	10%	450V
C2008	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C2009	1-115-340-11	CERAMIC CHIP	0.22µF	10%	25V
C2010	1-107-909-11	ELECT	47µF	20%	50V
C2013	1-135-449-11	ELECT	220µF	20%	450V
C2014	1-135-449-11	ELECT	220µF	20%	450V
C2015	1-117-227-11	MYLAR	1µF	10%	450V
C2016	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C2101	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C2103	1-126-163-11	ELECT	4.7µF	20%	50V
C2104	1-104-830-11	ELECT	10µF	20%	50V
C2105	1-130-495-00	MYLAR	0.1µF	5%	50V
C2106	1-130-029-00	FILM	8200pF	2%	50V
C2107	1-104-830-11	ELECT	10µF	20%	50V
C2108	1-107-909-11	ELECT	47µF	20%	50V
C2109	1-131-974-11	FILM	2200pF	5%	800V
C2110	1-131-974-11	FILM	2200pF	5%	800V
C2111	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C2112	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C2201	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C2202	1-115-743-11	ELECT	0.0033F	20%	10V
C2203	1-115-737-11	ELECT	0.001F	20%	10V
C2204	1-115-743-11	ELECT	0.0033F	20%	10V
C2205	1-115-792-11	ELECT	0.0022F	20%	25V
C2206	1-115-792-11	ELECT	0.0022F	20%	25V
C2207	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C2209	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C2210	1-107-888-11	ELECT	47µF	20%	25V
C2211	1-107-888-11	ELECT	47µF	20%	25V
C2212	1-107-909-11	ELECT	47µF	20%	16V
C2213	1-107-909-11	ELECT	47µF	20%	16V
C2214	1-107-909-11	ELECT	47µF	20%	16V
C2216	1-109-994-11	CERAMIC CHIP	2.2µF	10%	10V
C2301	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C2302	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C2303	1-107-888-11	ELECT	47µF	20%	25V
C2304	1-107-888-11	ELECT	47µF	20%	25V
C2305	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C2306	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C2307	1-128-526-11	ELECT	100µF	20%	16V
C2308	1-128-526-11	ELECT	100µF	20%	16V
C2309	1-107-888-11	ELECT	47µF	20%	25V
C2310	1-107-888-11	ELECT	47µF	20%	25V
C2311	1-107-888-11	ELECT	47µF	20%	25V

G

Ref.No.	Part No.	Description	Remark
		<CONNECTOR>	
CN2001	* 1-691-960-21	PIN, CONNECTOR (PC BOARD) 3P	
CN2002	* 1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
CN2003	1-764-334-11	PLUG, CONNECTOR 11P	
CN2004	* 1-564-511-11	PLUG, CONNECTOR 8P	
CN2005	* 1-564-509-11	PLUG, CONNECTOR 6P	
CN2006	* 1-785-518-11	CONNECTOR, BOARD TO BOARD 15P	
CN2007	* 1-774-248-11	CONNECTOR, BOARD TO BOARD 8P	
CN2008	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN2009	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN2010	* 1-564-506-11	PLUG, CONNECTOR 3P	
		<DIODE>	
D2001	⚠8-719-921-19	DIODE 1SS119-25	
D2002	8-719-106-88	DIODE RD15M-T1B1	
D2003	⚠8-719-066-75	DIODE D6SB80	
D2004	8-719-304-63	DIODE RM11C	
D2005	8-719-510-02	DIODE D1NS4	
D2101	8-719-510-02	DIODE D1NS4	
D2102	8-719-979-64	DIODE UF4005PKG23	
D2103	8-719-979-64	DIODE UF4005PKG23	
D2104	8-719-110-36	DIODE RD13ESB2	
D2201	8-719-510-12	DIODE D10SC4M	
D2202	8-719-510-12	DIODE D10SC4M	
D2203	8-719-510-12	DIODE D10SC4M	
D2204	8-719-510-12	DIODE D10SC4M	
D2205	8-719-510-02	DIODE D1NS4	
D2206	8-719-073-01	DIODE MA111-(K8).S0	
D2301	8-719-073-01	DIODE MA111-(K8).S0	
D2302	8-719-073-01	DIODE MA111-(K8).S0	
		<IC>	
IC2001	8-749-015-27	IC MZ1540	
IC2101	8-749-013-78	IC MCR5102	
IC2201	8-759-388-23	IC TL431BCDR2	
IC2202	8-759-388-23	IC TL431BCDR2	
IC2301	8-759-998-98	IC LM358D	
IC2302	8-759-592-79	IC BA00AST-V5	
IC2303	8-759-592-79	IC BA00AST-V5	
		<COIL>	
L2001	1-419-350-11	INDUCTOR 690µH	
L2003	⚠1-419-302-11	INDUCTOR 250µH	
L2201	1-412-525-31	INDUCTOR 10µH	
L2202	1-412-525-31	INDUCTOR 10µH	
L2203	1-406-659-11	INDUCTOR 10µH	
L2204	1-412-525-31	INDUCTOR 10µH	
L2205	1-406-659-11	INDUCTOR 10µH	
		<PHOTO COUPLER>	
PH2101	8-749-010-64	PHOTO COUPLER PC123F2	
PH2102	8-749-010-64	PHOTO COUPLER PC123F2	
		<TRANSISTOR>	
Q2001	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q2101	8-729-140-97	TRANSISTOR 2SB734-34	
Q2103	8-729-140-97	TRANSISTOR 2SB734-34	
Q2201	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q2202	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2203	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q2204	8-729-216-22	TRANSISTOR 2SA1162-G	

Ref.No.	Part No.	Description	Remark
Q2301	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2302	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2303	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2304	1-801-806-11	TRANSISTOR DTC144EKA-T146	
		<RESISTOR>	
R2001	1-215-866-11	METAL OXIDE 330 5% 1W F	
R2002	1-215-866-11	METAL OXIDE 330 5% 1W F	
R2003	⚠1-219-363-11	FUSIBLE 5.6 5% 5W F	
R2004	1-216-063-91	RES,CHIP 3.9K 5% 1/10W	
R2005	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R2006	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R2007	1-219-738-11	METAL 0.08 10% 5W	
R2101	1-202-933-61	FUSIBLE 0.1 10% 1/2W F	
R2102	1-216-345-11	METAL OXIDE 0.47 5% 1W F	
R2103	1-216-682-11	METAL CHIP 20K 0.50% 1/10W	
R2104	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R2105	1-216-675-91	METAL CHIP 10K 0.50% 1/10W	
R2106	1-260-135-11	CARBON 1M 5% 1/2W	
R2108	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R2109	1-260-135-11	CARBON 1M 5% 1/2W	
R2112	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R2113	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R2116	1-249-389-11	CARBON 4.7 5% 1/4W F	
R2117	1-260-135-11	CARBON 1M 5% 1/2W	
R2118	1-260-135-11	CARBON 1M 5% 1/2W	
R2119	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R2120	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R2123	1-249-389-11	CARBON 4.7 5% 1/4W F	
R2125	1-216-041-00	RES,CHIP 470 5% 1/10W	
R2126	1-216-295-91	SHORT 0	
R2127	1-216-025-91	RES,CHIP 100 5% 1/10W	
R2128	1-216-295-91	SHORT 0	
R2130	1-218-759-11	METAL CHIP 200K 0.50% 1/10W	
R2131	1-218-759-11	METAL CHIP 200K 0.50% 1/10W	
R2132	1-218-759-11	METAL CHIP 200K 0.50% 1/10W	
R2133	1-218-759-11	METAL CHIP 200K 0.50% 1/10W	
R2134	1-218-759-11	METAL CHIP 200K 0.50% 1/10W	
R2135	1-218-759-11	METAL CHIP 200K 0.50% 1/10W	
R2136	1-218-760-11	METAL CHIP 220K 0.50% 1/10W	
R2201	1-216-295-91	SHORT 0	
R2202	1-216-295-91	SHORT 0	
R2203	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R2204	1-216-295-91	SHORT 0	
R2205	1-216-061-00	RES,CHIP 3.3K 5% 1/10W	
R2206	1-216-041-00	RES,CHIP 470 5% 1/10W	
R2207	1-216-663-11	METAL CHIP 3.3K 0.50% 1/10W	
R2208	1-216-661-11	METAL CHIP 2.7K 0.50% 1/10W	
R2209	1-216-663-11	METAL CHIP 3.3K 0.50% 1/10W	
R2210	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R2211	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R2212	1-216-687-11	METAL CHIP 33K 0.50% 1/10W	
R2213	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R2214	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R2215	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R2216	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R2217	1-216-663-11	METAL CHIP 3.3K 0.50% 1/10W	
R2218	1-216-671-11	METAL CHIP 6.8K 0.50% 1/10W	
R2219	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R2220	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R2221	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R2301	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R2302	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R2303	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R2304	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	

Ref.No.	Part No.	Description			Remark
R2305	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R2306	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R2307	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R2308	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R2309	1-216-025-91	RES,CHIP	100	5%	1/10W
R2310	1-216-089-91	RES,CHIP	47K	5%	1/10W
R2311	1-216-049-91	RES,CHIP	1K	5%	1/10W
R2312	1-216-049-91	RES,CHIP	1K	5%	1/10W
R2313	1-216-049-91	RES,CHIP	1K	5%	1/10W
R2314	1-216-073-00	RES,CHIP	10K	5%	1/10W
R2315	1-216-073-00	RES,CHIP	10K	5%	1/10W
R2316	1-216-073-00	RES,CHIP	10K	5%	1/10W
		<RELAY>			
RY2001	⚠1-755-275-11	RELAY, AC POWER			
		<TRANSFORMER>			
T2101	⚠1-435-235-11	TRANSFORMER, CONVERTER (PIT)			
**********					
	* A-1311-819-A	GA MOUNT **********			
		<CAPACITOR>			
C2602	1-136-209-11	MYLAR	0.1µF	10%	630V
C2604	1-164-644-11	CERAMIC	330pF	10%	500V
C2605	1-164-644-11	CERAMIC	330pF	10%	500V
C2606	1-107-911-11	ELECT	220µF	20%	50V
C2607	1-136-167-00	MYLAR	0.15µF	5%	50V
C2608	1-136-162-00	MYLAR	0.056µF	5%	50V
C2609	1-136-167-00	MYLAR	0.15µF	5%	50V
C2610	1-136-162-00	MYLAR	0.056µF	5%	50V
C2611	1-117-827-11	FILM	3000pF	3%	1.5KV
C2613	1-107-879-11	ELECT	3300µF	20%	10V
C2614	1-107-905-11	ELECT	4.7µF	20%	50V
C2615	1-107-909-11	ELECT	47µF	20%	16V
C2616	1-110-501-11	CERAMIC CHIP	0.33µF	10%	16V
C2617	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C2619	1-109-994-11	CERAMIC CHIP	2.2µF	10%	10V
		<CONNECTOR>			
CN2011	* 1-785-517-11	CONNECTOR, BOARD TO BOARD 13P			
CN2012	* 1-774-245-11	CONNECTOR, BOARD TO BOARD 8P			
		<DIODE>			
D2601	8-719-510-39	DIODE D10LC20U			
D2602	8-719-510-12	DIODE D10SC4M			
D2603	8-719-073-01	DIODE MA111-(K8).S0			
D2605	8-719-160-83	DIODE RD30FB1			
		<IC>			
IC2602	8-759-198-31	IC UPC1093J-1-T			
IC2603	8-759-388-23	IC TL431BCDR2			
		<COIL>			
L2601	1-406-659-11	INDUCTOR	10µH		

Ref.No.	Part No.	Description			Remark
		<TRANSISTOR>			
Q2601	8-729-041-18	TRANSISTOR MX0341B-F			
Q2602	8-729-216-22	TRANSISTOR 2SA1162-G			
Q2603	8-729-216-22	TRANSISTOR 2SA1162-G			
Q2604	8-729-216-22	TRANSISTOR 2SA1162-G			
Q2605	8-729-230-49	TRANSISTOR 2SC2712-YG			
		<RESISTOR>			
R2604	1-260-288-11	CARBON	0.47	5%	1/2W F
R2605	1-260-288-11	CARBON	0.47	5%	1/2W F
R2608	1-216-073-00	RES,CHIP	10K	5%	1/10W
R2609	1-247-887-00	CARBON	220K	5%	1/4W
R2610	1-247-887-00	CARBON	220K	5%	1/4W
R2611	1-247-887-00	CARBON	220K	5%	1/4W
R2612	1-247-887-00	CARBON	220K	5%	1/4W
R2613	1-249-381-11	CARBON	1	5%	1/4W
R2614	1-249-381-11	CARBON	1	5%	1/4W
R2615	1-216-073-00	RES,CHIP	10K	5%	1/10W
R2616	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R2617	1-216-658-11	METAL CHIP	2K	0.50%	1/10W
R2618	1-216-025-91	RES,CHIP	100	5%	1/10W
R2620	1-215-909-11	METAL OXIDE	47	5%	3W F
R2621	1-215-909-11	METAL OXIDE	47	5%	3W F
R2623	1-216-049-91	RES,CHIP	1K	5%	1/10W
R2624	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R2625	1-216-081-00	RES,CHIP	22K	5%	1/10W
R2626	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R2627	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R2628	1-216-097-91	RES,CHIP	100K	5%	1/10W
R2629	1-216-089-91	RES,CHIP	47K	5%	1/10W
R2630	1-216-073-00	RES,CHIP	10K	5%	1/10W
R2631	1-216-025-91	RES,CHIP	100	5%	1/10W
		<TRANSFORMER>			
T2601	⚠1-429-987-11	TRANSFORMER, CONVERTER (PIT)			
T2602	⚠1-429-992-11	TRANSFORMER, CONVERTER (PRT)			
**********					
	* A-1335-122-A	C COMPL **********			
		<CAPACITOR>			
C5001	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5002	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
C5003	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5004	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
C5005	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5006	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5007	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5008	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5009	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5010	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5011	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5012	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5013	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5014	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5015	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5016	1-124-778-00	ELECT CHIP	22µF	20%	6.3V
C5017	1-124-778-00	ELECT CHIP	22µF	20%	6.3V
C5018	1-124-778-00	ELECT CHIP	22µF	20%	6.3V
C5019	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5020	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V

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Ref.No.	Part No.	Description			Remark
C5021	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5022	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5023	1-162-915-11	CERAMIC CHIP	10pF	0.5pF	50V
C5024	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5025	1-162-915-11	CERAMIC CHIP	10pF	0.5pF	50V
C5026	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C5027	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5028	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5029	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5030	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5031	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5032	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5034	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5035	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5036	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5037	1-125-817-11	CERAMIC CHIP	10µF	10%	6.3V
C5038	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5039	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5040	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5041	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5101	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5102	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5103	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5104	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5105	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5111	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5112	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5113	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5114	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5115	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5116	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5117	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5118	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5119	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5120	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5121	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5122	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5123	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5124	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5125	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5126	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5127	1-110-563-11	CERAMIC CHIP	0.068µF	10%	16V
C5128	1-110-563-11	CERAMIC CHIP	0.068µF	10%	16V
C5129	1-110-563-11	CERAMIC CHIP	0.068µF	10%	16V
C5130	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5131	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5132	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5133	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5134	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5135	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5136	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5137	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5138	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5139	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5140	1-124-778-00	ELECT CHIP	22µF	20%	6.3V
C5141	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5142	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5143	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5144	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5145	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5146	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5147	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5148	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5149	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5150	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5151	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5152	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5153	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5154	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5155	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5156	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5160	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5161	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C5162	1-164-505-11	CERAMIC CHIP	2.2µF		16V
C5163	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5164	1-119-667-11	CERAMIC CHIP	22µF		10V
C5165	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5166	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5167	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5201	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5202	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5203	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5207	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5208	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5209	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5210	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5211	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5212	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5213	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5214	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5215	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5216	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5217	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5218	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5219	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5220	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5221	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5222	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5223	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5224	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5225	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5227	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5228	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5229	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5230	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5231	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5232	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5233	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5234	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5235	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5236	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5237	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5238	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5239	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5240	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5241	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5242	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5243	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5244	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5245	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
C5250	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5251	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5252	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5253	1-115-416-11	CERAMIC CHIP	1000pF	5%	25V
C5254	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5255	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5259	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5260	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C5261	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5262	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5301	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5302	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V

Ref.No.	Part No.	Description			Remark
C5303	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5304	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5305	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5306	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5307	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5308	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5309	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5310	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5311	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5312	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5313	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5315	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5316	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5317	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5318	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5319	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5320	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5321	1-124-778-00	ELECT CHIP	22µF	20%	6.3V
C5322	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5323	1-124-778-00	ELECT CHIP	22µF	20%	6.3V
C5324	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5325	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
C5326	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5328	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5330	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5331	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5332	1-128-394-11	ELECT CHIP	220µF	20%	10V
C5333	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5334	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5402	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5403	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5404	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5405	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5406	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5407	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5408	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5409	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5410	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5411	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5412	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5413	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5414	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5415	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5416	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5417	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5418	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5419	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5420	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5421	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5422	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5507	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5508	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5509	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5510	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5516	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5517	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5522	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5523	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5525	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5526	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5528	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5529	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5534	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5535	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5537	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5538	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5539	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5540	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5541	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5542	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5543	1-135-347-21	TANTALUM	82µF	20%	16V
C5544	1-135-347-21	TANTALUM	82µF	20%	16V
C5545	1-126-602-11	ELECT CHIP	3.3µF	20%	50V
C5546	1-126-602-11	ELECT CHIP	3.3µF	20%	50V
C5547	1-126-602-11	ELECT CHIP	3.3µF	20%	50V
C5548	1-126-602-11	ELECT CHIP	3.3µF	20%	50V
C5549	1-126-602-11	ELECT CHIP	3.3µF	20%	50V
C5550	1-126-602-11	ELECT CHIP	3.3µF	20%	50V
C5551	1-124-779-00	ELECT CHIP	10µF	20%	16V
C5552	1-124-779-00	ELECT CHIP	10µF	20%	16V
C5553	1-124-779-00	ELECT CHIP	10µF	20%	16V
C5554	1-124-779-00	ELECT CHIP	10µF	20%	16V
C5555	1-124-779-00	ELECT CHIP	10µF	20%	16V
C5556	1-124-779-00	ELECT CHIP	10µF	20%	16V
C5563	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5567	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5579	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5580	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5581	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C5582	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C5583	1-164-299-11	CERAMIC CHIP	0.22µF	10%	25V
C5584	1-164-299-11	CERAMIC CHIP	0.22µF	10%	25V
C5585	1-164-299-11	CERAMIC CHIP	0.22µF	10%	25V
C5586	1-164-299-11	CERAMIC CHIP	0.22µF	10%	25V
C5587	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5588	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5589	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5590	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5591	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5592	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5593	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5601	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5602	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5603	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5604	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5605	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5606	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5607	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C5608	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C5609	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C5610	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C5612	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5613	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5614	1-128-400-11	ELECT CHIP	47µF	20%	25V
C5615	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5616	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5617	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5618	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5619	1-128-400-11	ELECT CHIP	47µF	20%	25V
C5620	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5621	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5622	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5624	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5625	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5626	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5627	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5628	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5629	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C5630	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5631	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5632	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5633	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V

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Ref.No.	Part No.	Description			Remark
C5636	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5637	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5690	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5701	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5702	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5703	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5704	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5705	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5706	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5707	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C5708	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C5709	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C5710	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C5712	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5713	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5714	1-128-400-11	ELECT CHIP	47µF	20%	25V
C5715	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5716	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5717	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5718	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5719	1-128-400-11	ELECT CHIP	47µF	20%	25V
C5720	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5721	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5722	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5724	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5725	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5726	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5727	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5728	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5729	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C5730	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5731	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5732	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5733	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5736	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5737	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5790	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5801	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5802	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5803	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5804	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5805	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5806	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5807	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C5808	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C5809	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C5810	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C5812	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5813	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5814	1-128-400-11	ELECT CHIP	47µF	20%	25V
C5815	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5816	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5817	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5818	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5819	1-128-400-11	ELECT CHIP	47µF	20%	25V
C5820	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5821	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5822	1-117-681-11	ELECT CHIP	100µF	20%	16V
C5824	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5825	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5826	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5827	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5828	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5829	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C5830	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5831	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5832	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5833	1-107-826-91	CERAMIC CHIP	0.1µF	10%	16V
C5836	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5837	1-128-401-11	ELECT CHIP	100µF	20%	25V
C5890	1-128-401-11	ELECT CHIP	100µF	20%	25V

<CONNECTOR>

CN5001	* 1-785-306-21	CONNECTOR, BOARD TO BOARD 70P	
CN5002	* 1-691-591-11	PIN, CONNECTOR (1.5MM) (SMD) 8P	
CN5003	* 1-793-798-21	CONNECTOR, BOARD TO BOARD 50P	
CN5004	* 1-580-057-11	PIN, CONNECTOR (SMD) 4P	
CN5005	* 1-580-055-21	PIN, CONNECTOR (SMD) 2P	
CN5006	1-580-055-21	PIN, CONNECTOR (SMD) 2P	
CN5007	* 1-580-056-21	PIN, CONNECTOR (SMD) 3P	
CN5008	* 1-580-056-21	PIN, CONNECTOR (SMD) 3P	
CN5009	* 1-764-007-11	PIN, CONNECTOR (SMD) 12P	
CN5010	* 1-580-057-11	PIN, CONNECTOR (SMD) 4P	
CN5011	* 1-580-055-21	PIN, CONNECTOR (SMD) 2P	
CN5201	* 1-785-306-21	CONNECTOR, BOARD TO BOARD 70P	
CN5203	* 1-764-177-11	PIN, CONNECTOR (SMD)(1.5MM) 7P	
CN5301	1-573-290-21	PIN, CONNECTOR (1.5MM) (SMD) 4P	
CN5601	1-793-812-21	CONNECTOR, FFC/FPC 34P	
CN5701	1-793-812-21	CONNECTOR, FFC/FPC 34P	
CN5801	1-793-812-21	CONNECTOR, FFC/FPC 34P	

<DIODE>

D5001	8-719-914-43	DIODE DAN202K
D5002	8-719-914-43	DIODE DAN202K
D5003	8-719-159-10	DIODE RD5.1SB-T2
D5004	8-719-159-10	DIODE RD5.1SB-T2
D5005	8-719-159-10	DIODE RD5.1SB-T2
D5006	8-719-159-10	DIODE RD5.1SB-T2
D5007	8-719-159-10	DIODE RD5.1SB-T2
D5008	8-719-159-10	DIODE RD5.1SB-T2
D5009	8-719-159-10	DIODE RD5.1SB-T2
D5010	8-719-159-10	DIODE RD5.1SB-T2
D5011	8-719-159-10	DIODE RD5.1SB-T2
D5012	8-719-159-10	DIODE RD5.1SB-T2
D5013	8-719-159-10	DIODE RD5.1SB-T2
D5014	8-719-159-10	DIODE RD5.1SB-T2
D5015	8-719-159-10	DIODE RD5.1SB-T2
D5016	8-719-159-10	DIODE RD5.1SB-T2
D5017	8-719-159-10	DIODE RD5.1SB-T2
D5018	8-719-914-43	DIODE DAN202K
D5202	8-719-914-43	DIODE DAN202K
D5301	8-719-914-43	DIODE DAN202K

<FERRITE BEAD>

FB5001	1-414-921-11	INDUCTOR CHIP	0µH
FB5002	1-414-921-11	INDUCTOR CHIP	0µH
FB5003	1-414-921-11	INDUCTOR CHIP	0µH
FB5004	1-414-921-11	INDUCTOR CHIP	0µH
FB5005	1-414-921-11	INDUCTOR CHIP	0µH
FB5006	1-414-921-11	INDUCTOR CHIP	0µH
FB5007	1-414-921-11	INDUCTOR CHIP	0µH
FB5008	1-414-921-11	INDUCTOR CHIP	0µH
FB5009	1-414-921-11	INDUCTOR CHIP	0µH
FB5010	1-414-921-11	INDUCTOR CHIP	0µH
FB5011	1-414-921-11	INDUCTOR CHIP	0µH
FB5012	1-414-921-11	INDUCTOR CHIP	0µH
FB5071	1-414-921-11	INDUCTOR CHIP	0µH
FB5209	1-414-921-11	INDUCTOR CHIP	0µH
FB5210	1-414-921-11	INDUCTOR CHIP	0µH
FB5211	1-414-921-11	INDUCTOR CHIP	0µH

Ref.No.	Part No.	Description	Remark
FB5212	1-414-921-11	INDUCTOR CHIP	0µH
FB5261	1-414-921-11	INDUCTOR CHIP	0µH
FB5262	1-414-921-11	INDUCTOR CHIP	0µH
FB5301	1-414-921-11	INDUCTOR CHIP	0µH
FB5302	1-414-921-11	INDUCTOR CHIP	0µH
FB5338	1-414-921-11	INDUCTOR CHIP	0µH
	<FILTER>		
FL5010	1-239-899-21	FILTER, CHIP EMI	
FL5020	1-239-899-21	FILTER, CHIP EMI	
FL5030	1-239-899-21	FILTER, CHIP EMI	
FL5101	1-234-011-11	FILTER, EMI	
FL5102	1-234-011-11	FILTER, EMI	
FL5103	1-234-011-11	FILTER, EMI	
FL5601	1-234-011-11	FILTER, EMI	
FL5602	1-234-011-11	FILTER, EMI	
FL5701	1-234-011-11	FILTER, EMI	
FL5702	1-234-011-11	FILTER, EMI	
FL5801	1-234-011-11	FILTER, EMI	
FL5802	1-234-011-11	FILTER, EMI	
	<IC>		
IC5001	8-759-582-91	IC S-80842ANNP-ED6-T2	
IC5002	8-759-544-01	IC S-80828ANNP-EDR-T2	
IC5003	8-759-058-62	IC TC7S08FU(TE85R)	
IC5004	8-759-653-02	IC IRMF	
IC5005	8-759-648-10	IC HD64F2633TE	
IC5006	8-759-658-90	IC 24LC128T-I/SN	
IC5007	8-759-327-60	IC TC7W125FU-TE12R	
IC5008	8-759-277-63	IC TC7W14FU(TE12R)	
IC5101	8-759-460-72	IC BA033FP-E2	
IC5102	8-759-460-72	IC BA033FP-E2	
IC5103	8-759-388-31	IC PQ20VZ1U	
IC5104	8-759-460-74	IC BA05FP-E2	
IC5106	8-759-388-31	IC PQ20VZ1U	
IC5107	8-759-460-72	IC BA033FP-E2	
IC5108	8-759-645-12	IC AD9884AKS-140	
IC5109	8-759-460-81	IC BA12FP-E2	
IC5110	8-759-058-62	IC TC7S08FU(TE85R)	
IC5120	8-759-598-12	IC LP2985IM5X-3.5	
IC5122	8-759-388-31	IC PQ20VZ1U	
IC5201	8-759-327-60	IC TC7W125FU-TE12R	
IC5204	8-759-544-01	IC S-80828ANNP-EDR-T2	
IC5205	8-759-082-57	IC TC7W04FU	
IC5206	8-759-475-43	IC TC74LCX125FT(EL)	
IC5207	8-759-327-60	IC TC7W125FU-TE12R	
IC5208	8-759-664-83	IC MBM29LV400TC-70PFTN-SX1701	
IC5209	8-759-645-48	IC IDT71V016S15PH-TL	
IC5210	8-759-523-79	IC TC74VHC02FT(EL)	
IC5251	8-759-473-33	IC IMISM530AYB-D	
IC5252	8-759-646-15	IC ST49C101ACF8-05-TR	
IC5301	8-759-491-46	IC TC74VHCT04AFT(EL)	
IC5302	8-759-490-41	IC TC74VHCT541AFT(EL)	
IC5303	8-759-490-41	IC TC74VHCT541AFT(EL)	
IC5304	8-759-592-38	IC CXD9512Q	
IC5305	8-759-492-55	IC M24C64-WMN6T	
IC5306	8-759-475-43	IC TC74LCX125FT(EL)	
IC5307	8-759-649-91	IC W132-10B-E2	
IC5308	8-759-544-01	IC S-80828ANNP-EDR-T2	
IC5309	8-759-460-72	IC BA033FP-E2	
IC5310	8-759-490-41	IC TC74VHCT541AFT(EL)	
IC5311	8-759-195-81	IC TC7S86FU	
IC5401	8-759-482-47	IC M62399FP-TE2	
IC5402	8-759-482-35	IC MC100ELT20DR2	
IC5403	8-752-401-90	IC CXD3504R	
IC5404	8-759-082-57	IC TC7W04FU	
IC5501	8-759-645-13	IC ADV7123KST140	
IC5502	8-759-645-13	IC ADV7123KST140	
IC5504	8-759-584-86	IC M52749FP-TP	
IC5505	8-759-584-86	IC M52749FP-TP	
IC5601	8-752-093-18	IC CXA3512R-T6	
IC5602	8-752-093-18	IC CXA3512R-T6	
IC5701	8-752-093-18	IC CXA3512R-T6	
IC5702	8-752-093-18	IC CXA3512R-T6	
IC5801	8-752-093-18	IC CXA3512R-T6	
IC5802	8-752-093-18	IC CXA3512R-T6	
	<COIL>		
L5001	1-416-606-11	INDUCTOR	47µH
L5101	1-416-606-11	INDUCTOR	47µH
L5102	1-416-606-11	INDUCTOR	47µH
L5103	1-416-606-11	INDUCTOR	47µH
L5104	1-416-606-11	INDUCTOR	47µH
L5105	1-416-606-11	INDUCTOR	47µH
L5106	1-412-030-11	INDUCTOR CHIP	22µH
L5107	1-412-030-11	INDUCTOR CHIP	22µH
L5201	1-412-030-11	INDUCTOR CHIP	22µH
L5202	1-412-030-11	INDUCTOR CHIP	22µH
L5203	1-412-030-11	INDUCTOR CHIP	22µH
L5204	1-412-030-11	INDUCTOR CHIP	22µH
L5301	1-416-606-11	INDUCTOR	47µH
L5302	1-412-030-11	INDUCTOR CHIP	22µH
L5303	1-412-030-11	INDUCTOR CHIP	22µH
L5401	1-469-525-91	INDUCTOR	10µH
L5402	1-469-525-91	INDUCTOR	10µH
L5504	1-469-525-91	INDUCTOR	10µH
L5505	1-469-525-91	INDUCTOR	10µH
L5507	1-469-525-91	INDUCTOR	10µH
L5508	1-469-525-91	INDUCTOR	10µH
L5509	1-469-525-91	INDUCTOR	10µH
L5510	1-469-525-91	INDUCTOR	10µH
L5511	1-469-525-91	INDUCTOR	10µH
L5512	1-469-525-91	INDUCTOR	10µH
L5601	1-469-525-91	INDUCTOR	10µH
L5602	1-469-525-91	INDUCTOR	10µH
L5603	1-216-295-91	SHORT	0
L5604	1-216-295-91	SHORT	0
L5701	1-469-525-91	INDUCTOR	10µH
L5702	1-469-525-91	INDUCTOR	10µH
L5703	1-216-295-91	SHORT	0
L5704	1-216-295-91	SHORT	0
L5801	1-469-525-91	INDUCTOR	10µH
L5802	1-469-525-91	INDUCTOR	10µH
L5803	1-216-295-91	SHORT	0
L5804	1-216-295-91	SHORT	0
	<TRANSISTOR>		
Q5001	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5002	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q5003	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5004	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5101	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5102	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5301	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5302	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q5303	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5304	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5401	8-729-230-49	TRANSISTOR 2SC2712-YG	

C

Ref.No.	Part No.	Description			Remark
Q5501	8-729-112-65	TRANSISTOR 2SA1462-Y33			
Q5502	8-729-112-65	TRANSISTOR 2SA1462-Y33			
Q5503	8-729-112-65	TRANSISTOR 2SA1462-Y33			
Q5504	8-729-112-65	TRANSISTOR 2SA1462-Y33			
Q5505	8-729-112-65	TRANSISTOR 2SA1462-Y33			
Q5506	8-729-112-65	TRANSISTOR 2SA1462-Y33			
Q5507	8-729-112-65	TRANSISTOR 2SA1462-Y33			
Q5508	8-729-112-65	TRANSISTOR 2SA1462-Y33			
Q5601	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5602	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5603	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5604	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5701	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5702	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5703	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5704	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5801	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5802	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5803	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
Q5804	8-729-013-28	TRANSISTOR HN1B01FU-TE85R			
	<RESISTOR>				
R5001	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5002	1-216-839-11	RES,CHIP	33K	5%	1/16W
R5003	1-216-805-11	RES,CHIP	47	5%	1/16W
R5004	1-216-805-11	RES,CHIP	47	5%	1/16W
R5005	1-216-805-11	RES,CHIP	47	5%	1/16W
R5006	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5007	1-216-809-11	RES,CHIP	100	5%	1/16W
R5008	1-216-845-11	RES,CHIP	100K	5%	1/16W
R5010	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5011	1-216-839-11	RES,CHIP	33K	5%	1/16W
R5012	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5013	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5014	1-216-809-11	RES,CHIP	100	5%	1/16W
R5015	1-216-809-11	RES,CHIP	100	5%	1/16W
R5016	1-216-809-11	RES,CHIP	100	5%	1/16W
R5017	1-216-809-11	RES,CHIP	100	5%	1/16W
R5018	1-216-809-11	RES,CHIP	100	5%	1/16W
R5019	1-216-809-11	RES,CHIP	100	5%	1/16W
R5020	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5021	1-216-826-11	RES,CHIP	2.7K	5%	1/16W
R5022	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5023	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5026	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5027	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5028	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5029	1-216-809-11	RES,CHIP	100	5%	1/16W
R5030	1-216-809-11	RES,CHIP	100	5%	1/16W
R5032	1-216-809-11	RES,CHIP	100	5%	1/16W
R5033	1-216-809-11	RES,CHIP	100	5%	1/16W
R5034	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5035	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5036	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5037	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5038	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5039	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5040	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5041	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5042	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5044	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5045	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5046	1-216-864-11	SHORT	0		
R5047	1-216-809-11	RES,CHIP	100	5%	1/16W
R5048	1-216-809-11	RES,CHIP	100	5%	1/16W

Ref.No.	Part No.	Description			Remark
R5049	1-216-809-11	RES,CHIP	100	5%	1/16W
R5050	1-216-809-11	RES,CHIP	100	5%	1/16W
R5051	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5052	1-216-809-11	RES,CHIP	100	5%	1/16W
R5053	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5054	1-216-809-11	RES,CHIP	100	5%	1/16W
R5055	1-216-809-11	RES,CHIP	100	5%	1/16W
R5056	1-216-805-11	RES,CHIP	47	5%	1/16W
R5057	1-216-805-11	RES,CHIP	47	5%	1/16W
R5058	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5059	1-218-703-11	METAL CHIP	3K	0.50%	1/16W
R5060	1-218-675-11	METAL CHIP	200	0.50%	1/16W
R5061	1-216-841-11	RES,CHIP	47K	5%	1/16W
R5062	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5063	1-216-809-11	RES,CHIP	100	5%	1/16W
R5064	1-216-809-11	RES,CHIP	100	5%	1/16W
R5065	1-216-809-11	RES,CHIP	100	5%	1/16W
R5066	1-216-809-11	RES,CHIP	100	5%	1/16W
R5067	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5068	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5069	1-216-809-11	RES,CHIP	100	5%	1/16W
R5070	1-216-809-11	RES,CHIP	100	5%	1/16W
R5072	1-216-815-11	RES,CHIP	330	5%	1/16W
R5073	1-216-815-11	RES,CHIP	330	5%	1/16W
R5074	1-216-815-11	RES,CHIP	330	5%	1/16W
R5075	1-216-815-11	RES,CHIP	330	5%	1/16W
R5076	1-216-815-11	RES,CHIP	330	5%	1/16W
R5077	1-216-809-11	RES,CHIP	100	5%	1/16W
R5078	1-216-809-11	RES,CHIP	100	5%	1/16W
R5079	1-216-864-11	SHORT	0		
R5080	1-216-864-11	SHORT	0		
R5081	1-216-809-11	RES,CHIP	100	5%	1/16W
R5082	1-216-809-11	RES,CHIP	100	5%	1/16W
R5083	1-216-809-11	RES,CHIP	100	5%	1/16W
R5084	1-216-809-11	RES,CHIP	100	5%	1/16W
R5085	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5086	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5087	1-216-805-11	RES,CHIP	47	5%	1/16W
R5088	1-216-809-11	RES,CHIP	100	5%	1/16W
R5089	1-216-809-11	RES,CHIP	100	5%	1/16W
R5090	1-216-809-11	RES,CHIP	100	5%	1/16W
R5091	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5092	1-216-809-11	RES,CHIP	100	5%	1/16W
R5093	1-216-809-11	RES,CHIP	100	5%	1/16W
R5094	1-216-848-11	RES,CHIP	180K	5%	1/16W
R5095	1-216-797-11	RES,CHIP	10	5%	1/16W
R5101	1-220-248-11	RES,CHIP	6.8	10%	1/2W
R5102	1-220-248-11	RES,CHIP	6.8	10%	1/2W
R5103	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5104	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5105	1-220-248-11	RES,CHIP	6.8	10%	1/2W
R5106	1-218-692-11	METAL CHIP	1K	0.50%	1/16W
R5107	1-218-692-11	METAL CHIP	1K	0.50%	1/16W
R5108	1-218-723-91	METAL CHIP	20K	0.50%	1/16W
R5109	1-218-714-11	METAL CHIP	8.2K	0.50%	1/16W
R5110	1-218-685-11	METAL CHIP	510	0.50%	1/16W
R5111	1-216-864-11	SHORT	0		
R5112	1-216-809-11	RES,CHIP	100	5%	1/16W
R5113	1-216-809-11	RES,CHIP	100	5%	1/16W
R5114	1-220-250-11	RES,CHIP	10	5%	1/2W
R5115	1-216-805-11	RES,CHIP	47	5%	1/16W
R5117	1-220-250-11	RES,CHIP	10	5%	1/2W
R5119	1-216-805-11	RES,CHIP	47	5%	1/16W
R5120	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5121	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5122	1-218-696-11	METAL CHIP	1.5K	0.50%	1/16W

Ref.No.	Part No.	Description			Remark
R5123	1-216-801-11	RES,CHIP	22	5%	1/16W
R5124	1-216-801-11	RES,CHIP	22	5%	1/16W
R5125	1-216-801-11	RES,CHIP	22	5%	1/16W
R5126	1-218-665-11	METAL CHIP	75	0.50%	1/16W
R5127	1-218-665-11	METAL CHIP	75	0.50%	1/16W
R5128	1-218-665-11	METAL CHIP	75	0.50%	1/16W
R5129	1-216-851-11	RES,CHIP	330K	5%	1/16W
R5130	1-216-845-11	RES,CHIP	100K	5%	1/16W
R5131	1-216-809-11	RES,CHIP	100	5%	1/16W
R5132	1-216-805-11	RES,CHIP	47	5%	1/16W
R5135	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5136	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5137	1-218-714-11	METAL CHIP	8.2K	0.50%	1/16W
R5138	1-218-730-11	METAL CHIP	39K	0.50%	1/16W
R5139	1-218-685-11	METAL CHIP	510	0.50%	1/16W
R5140	1-216-864-11	SHORT	0		
R5201	1-216-801-11	RES,CHIP	22	5%	1/16W
R5204	1-216-801-11	RES,CHIP	22	5%	1/16W
R5205	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5206	1-216-809-11	RES,CHIP	100	5%	1/16W
R5207	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5208	1-216-809-11	RES,CHIP	100	5%	1/16W
R5209	1-216-809-11	RES,CHIP	100	5%	1/16W
R5210	1-216-809-11	RES,CHIP	100	5%	1/16W
R5211	1-216-809-11	RES,CHIP	100	5%	1/16W
R5214	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5215	1-216-827-11	RES,CHIP	3.3K	5%	1/16W
R5216	1-216-827-11	RES,CHIP	3.3K	5%	1/16W
R5217	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5218	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5219	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5220	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5221	1-216-805-11	RES,CHIP	47	5%	1/16W
R5222	1-216-809-11	RES,CHIP	100	5%	1/16W
R5223	1-216-809-11	RES,CHIP	100	5%	1/16W
R5224	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5225	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5226	1-216-809-11	RES,CHIP	100	5%	1/16W
R5227	1-216-809-11	RES,CHIP	100	5%	1/16W
R5230	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5231	1-216-839-11	RES,CHIP	33K	5%	1/16W
R5235	1-216-809-11	RES,CHIP	100	5%	1/16W
R5236	1-216-809-11	RES,CHIP	100	5%	1/16W
R5240	1-216-864-11	SHORT	0		
R5241	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5242	1-216-809-11	RES,CHIP	100	5%	1/16W
R5251	1-216-864-11	SHORT	0		
R5252	1-216-864-11	SHORT	0		
R5253	1-216-864-11	SHORT	0		
R5254	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5255	1-216-864-11	SHORT	0		
R5256	1-216-864-11	SHORT	0		
R5259	1-216-801-11	RES,CHIP	22	5%	1/16W
R5265	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5303	1-216-801-11	RES,CHIP	22	5%	1/16W
R5304	1-216-801-11	RES,CHIP	22	5%	1/16W
R5305	1-216-801-11	RES,CHIP	22	5%	1/16W
R5308	1-216-801-11	RES,CHIP	22	5%	1/16W
R5310	1-216-801-11	RES,CHIP	22	5%	1/16W
R5312	1-216-801-11	RES,CHIP	22	5%	1/16W
R5313	1-216-864-11	SHORT	0		
R5314	1-216-801-11	RES,CHIP	22	5%	1/16W
R5315	1-216-801-11	RES,CHIP	22	5%	1/16W
R5316	1-216-801-11	RES,CHIP	22	5%	1/16W
R5317	1-216-864-11	SHORT	0		
R5318	1-216-864-11	SHORT	0		

Ref.No.	Part No.	Description			Remark
R5320	1-216-864-11	SHORT	0		
R5321	1-216-805-11	RES,CHIP	47	5%	1/16W
R5322	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5323	1-216-809-11	RES,CHIP	100	5%	1/16W
R5324	1-216-809-11	RES,CHIP	100	5%	1/16W
R5325	1-216-841-11	RES,CHIP	47K	5%	1/16W
R5326	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5327	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5328	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5329	1-216-864-11	SHORT	0		
R5330	1-216-805-11	RES,CHIP	47	5%	1/16W
R5331	1-216-805-11	RES,CHIP	47	5%	1/16W
R5337	1-218-686-11	METAL CHIP	560	0.50%	1/16W
R5338	1-218-686-11	METAL CHIP	560	0.50%	1/16W
R5344	1-216-805-11	RES,CHIP	47	5%	1/16W
R5345	1-216-805-11	RES,CHIP	47	5%	1/16W
R5346	1-216-805-11	RES,CHIP	47	5%	1/16W
R5347	1-216-805-11	RES,CHIP	47	5%	1/16W
R5348	1-216-805-11	RES,CHIP	47	5%	1/16W
R5361	1-216-805-11	RES,CHIP	47	5%	1/16W
R5362	1-216-805-11	RES,CHIP	47	5%	1/16W
R5363	1-216-841-11	RES,CHIP	47K	5%	1/16W
R5364	1-216-841-11	RES,CHIP	47K	5%	1/16W
R5365	1-216-801-11	RES,CHIP	22	5%	1/16W
R5366	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5367	1-216-864-11	SHORT	0		
R5370	1-216-805-11	RES,CHIP	47	5%	1/16W
R5371	1-216-805-11	RES,CHIP	47	5%	1/16W
R5372	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5373	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5374	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5375	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5377	1-216-839-11	RES,CHIP	33K	5%	1/16W
R5378	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5379	1-216-801-11	RES,CHIP	22	5%	1/16W
R5380	1-216-801-11	RES,CHIP	22	5%	1/16W
R5381	1-216-801-11	RES,CHIP	22	5%	1/16W
R5382	1-216-801-11	RES,CHIP	22	5%	1/16W
R5383	1-216-801-11	RES,CHIP	22	5%	1/16W
R5384	1-216-801-11	RES,CHIP	22	5%	1/16W
R5385	1-216-864-11	SHORT	0		
R5386	1-216-864-11	SHORT	0		
R5387	1-216-801-11	RES,CHIP	22	5%	1/16W
R5404	1-216-809-11	RES,CHIP	100	5%	1/16W
R5405	1-216-809-11	RES,CHIP	100	5%	1/16W
R5406	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5407	1-216-864-11	SHORT	0		
R5408	1-500-284-21	INDUCTOR CHIP		0µH	
R5409	1-500-284-21	INDUCTOR CHIP		0µH	
R5410	1-216-805-11	RES,CHIP	47	5%	1/16W
R5411	1-216-805-11	RES,CHIP	47	5%	1/16W
R5412	1-216-805-11	RES,CHIP	47	5%	1/16W
R5413	1-216-805-11	RES,CHIP	47	5%	1/16W
R5414	1-216-805-11	RES,CHIP	47	5%	1/16W
R5415	1-216-805-11	RES,CHIP	47	5%	1/16W
R5416	1-216-805-11	RES,CHIP	47	5%	1/16W
R5417	1-216-805-11	RES,CHIP	47	5%	1/16W
R5418	1-216-805-11	RES,CHIP	47	5%	1/16W
R5419	1-216-864-11	SHORT	0		
R5420	1-216-864-11	SHORT	0		
R5421	1-216-864-11	SHORT	0		
R5426	1-216-864-11	SHORT	0		
R5427	1-216-805-11	RES,CHIP	47	5%	1/16W
R5428	1-216-805-11	RES,CHIP	47	5%	1/16W
R5429	1-216-805-11	RES,CHIP	47	5%	1/16W
R5430	1-216-864-11	SHORT	0		

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Ref.No.	Part No.	Description			Remark
R5433	1-216-864-11	SHORT	0		
R5434	1-216-864-11	SHORT	0		
R5435	1-216-864-11	SHORT	0		
R5436	1-216-864-11	SHORT	0		
R5471	1-216-815-11	RES,CHIP	330	5%	1/16W
R5472	1-216-815-11	RES,CHIP	330	5%	1/16W
R5473	1-216-809-11	RES,CHIP	100	5%	1/16W
R5474	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5475	1-216-839-11	RES,CHIP	33K	5%	1/16W
R5476	1-216-809-11	RES,CHIP	100	5%	1/16W
R5477	1-216-864-11	SHORT	0		
R5501	1-216-864-11	SHORT	0		
R5502	1-216-864-11	SHORT	0		
R5503	1-216-864-11	SHORT	0		
R5504	1-216-864-11	SHORT	0		
R5505	1-216-864-11	SHORT	0		
R5506	1-216-864-11	SHORT	0		
R5507	1-218-665-11	METAL CHIP	75	0.50%	1/16W
R5508	1-218-665-11	METAL CHIP	75	0.50%	1/16W
R5509	1-218-665-11	METAL CHIP	75	0.50%	1/16W
R5510	1-218-665-11	METAL CHIP	75	0.50%	1/16W
R5511	1-218-665-11	METAL CHIP	75	0.50%	1/16W
R5512	1-218-665-11	METAL CHIP	75	0.50%	1/16W
R5513	1-216-864-11	SHORT	0		
R5514	1-216-864-11	SHORT	0		
R5515	1-218-672-11	METAL CHIP	150	0.50%	1/16W
R5516	1-218-672-11	METAL CHIP	150	0.50%	1/16W
R5517	1-218-672-11	METAL CHIP	150	0.50%	1/16W
R5518	1-218-672-11	METAL CHIP	150	0.50%	1/16W
R5519	1-218-672-11	METAL CHIP	150	0.50%	1/16W
R5520	1-218-672-11	METAL CHIP	150	0.50%	1/16W
R5525	1-216-809-11	RES,CHIP	100	5%	1/16W
R5526	1-216-809-11	RES,CHIP	100	5%	1/16W
R5527	1-216-809-11	RES,CHIP	100	5%	1/16W
R5528	1-216-809-11	RES,CHIP	100	5%	1/16W
R5529	1-216-817-11	RES,CHIP	470	5%	1/16W
R5530	1-216-817-11	RES,CHIP	470	5%	1/16W
R5531	1-216-817-11	RES,CHIP	470	5%	1/16W
R5532	1-216-817-11	RES,CHIP	470	5%	1/16W
R5533	1-216-817-11	RES,CHIP	470	5%	1/16W
R5534	1-216-817-11	RES,CHIP	470	5%	1/16W
R5541	1-216-841-11	RES,CHIP	47K	5%	1/16W
R5542	1-216-853-11	RES,CHIP	470K	5%	1/16W
R5543	1-216-808-11	RES,CHIP	82	5%	1/16W
R5544	1-216-808-11	RES,CHIP	82	5%	1/16W
R5545	1-216-808-11	RES,CHIP	82	5%	1/16W
R5546	1-216-841-11	RES,CHIP	47K	5%	1/16W
R5547	1-216-853-11	RES,CHIP	470K	5%	1/16W
R5548	1-216-809-11	RES,CHIP	100	5%	1/16W
R5549	1-216-809-11	RES,CHIP	100	5%	1/16W
R5550	1-216-808-11	RES,CHIP	82	5%	1/16W
R5552	1-216-809-11	RES,CHIP	100	5%	1/16W
R5554	1-216-809-11	RES,CHIP	100	5%	1/16W
R5555	1-216-809-11	RES,CHIP	100	5%	1/16W
R5556	1-216-809-11	RES,CHIP	100	5%	1/16W
R5557	1-216-809-11	RES,CHIP	100	5%	1/16W
R5558	1-216-809-11	RES,CHIP	100	5%	1/16W
R5559	1-216-809-11	RES,CHIP	100	5%	1/16W
R5560	1-216-809-11	RES,CHIP	100	5%	1/16W
R5561	1-216-809-11	RES,CHIP	100	5%	1/16W
R5562	1-216-817-11	RES,CHIP	470	5%	1/16W
R5564	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5565	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5566	1-216-817-11	RES,CHIP	470	5%	1/16W
R5568	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5569	1-216-057-00	RES,CHIP	2.2K	5%	1/16W

Ref.No.	Part No.	Description			Remark
R5570	1-216-817-11	RES,CHIP	470	5%	1/16W
R5572	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5573	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5574	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5575	1-216-817-11	RES,CHIP	470	5%	1/16W
R5577	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5578	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5579	1-216-817-11	RES,CHIP	470	5%	1/16W
R5581	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5582	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5583	1-216-817-11	RES,CHIP	470	5%	1/16W
R5585	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5586	1-216-057-00	RES,CHIP	2.2K	5%	1/16W
R5587	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5601	1-216-864-11	SHORT	0		
R5603	1-216-864-11	SHORT	0		
R5604	1-216-864-11	SHORT	0		
R5605	1-216-864-11	SHORT	0		
R5607	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5608	1-216-864-11	SHORT	0		
R5609	1-216-864-11	SHORT	0		
R5612	1-216-864-11	SHORT	0		
R5613	1-216-864-11	SHORT	0		
R5614	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5615	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5617	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5618	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5619	1-216-805-11	RES,CHIP	47	5%	1/16W
R5620	1-216-805-11	RES,CHIP	47	5%	1/16W
R5621	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5622	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5623	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5630	1-216-864-11	SHORT	0		
R5631	1-216-864-11	SHORT	0		
R5632	1-216-864-11	SHORT	0		
R5633	1-216-864-11	SHORT	0		
R5634	1-216-864-11	SHORT	0		
R5635	1-216-864-11	SHORT	0		
R5636	1-216-864-11	SHORT	0		
R5637	1-216-864-11	SHORT	0		
R5638	1-216-864-11	SHORT	0		
R5639	1-216-864-11	SHORT	0		
R5640	1-216-864-11	SHORT	0		
R5641	1-216-864-11	SHORT	0		
R5642	1-216-864-11	SHORT	0		
R5643	1-216-809-11	RES,CHIP	100	5%	1/16W
R5644	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5645	1-216-809-11	RES,CHIP	100	5%	1/16W
R5646	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5647	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5648	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5649	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5650	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5651	1-216-812-11	RES,CHIP	180	5%	1/16W
R5652	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5653	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5654	1-216-812-11	RES,CHIP	180	5%	1/16W
R5656	1-216-864-11	SHORT	0		
R5657	1-216-864-11	SHORT	0		
R5658	1-216-864-11	SHORT	0		
R5659	1-216-864-11	SHORT	0		
R5660	1-216-864-11	SHORT	0		
R5661	1-216-864-11	SHORT	0		
R5662	1-216-864-11	SHORT	0		
R5663	1-216-864-11	SHORT	0		
R5664	1-216-864-11	SHORT	0		

Ref.No.	Part No.	Description			Remark
R5665	1-216-864-11	SHORT	0		
R5671	1-216-864-11	SHORT	0		
R5672	1-216-864-11	SHORT	0		
R5673	1-216-864-11	SHORT	0		
R5674	1-216-864-11	SHORT	0		
R5675	1-216-864-11	SHORT	0		
R5676	1-216-864-11	SHORT	0		
R5677	1-216-864-11	SHORT	0		
R5678	1-216-864-11	SHORT	0		
R5679	1-216-864-11	SHORT	0		
R5680	1-216-864-11	SHORT	0		
R5681	1-216-864-11	SHORT	0		
R5682	1-216-864-11	SHORT	0		
R5683	1-216-864-11	SHORT	0		
R5684	1-216-864-11	SHORT	0		
R5685	1-216-864-11	SHORT	0		
R5686	1-216-864-11	SHORT	0		
R5695	1-216-864-11	SHORT	0		
R5696	1-216-864-11	SHORT	0		
R5701	1-216-864-11	SHORT	0		
R5703	1-216-864-11	SHORT	0		
R5704	1-216-864-11	SHORT	0		
R5705	1-216-864-11	SHORT	0		
R5707	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5708	1-216-864-11	SHORT	0		
R5709	1-216-864-11	SHORT	0		
R5712	1-216-864-11	SHORT	0		
R5713	1-216-864-11	SHORT	0		
R5714	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5715	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5717	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5718	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5719	1-216-805-11	RES,CHIP	47	5%	1/16W
R5720	1-216-805-11	RES,CHIP	47	5%	1/16W
R5721	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5722	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5723	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5730	1-216-864-11	SHORT	0		
R5731	1-216-864-11	SHORT	0		
R5732	1-216-864-11	SHORT	0		
R5733	1-216-864-11	SHORT	0		
R5734	1-216-864-11	SHORT	0		
R5735	1-216-864-11	SHORT	0		
R5736	1-216-864-11	SHORT	0		
R5737	1-216-864-11	SHORT	0		
R5738	1-216-864-11	SHORT	0		
R5739	1-216-864-11	SHORT	0		
R5740	1-216-864-11	SHORT	0		
R5741	1-216-864-11	SHORT	0		
R5742	1-216-864-11	SHORT	0		
R5743	1-216-809-11	RES,CHIP	100	5%	1/16W
R5744	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5745	1-216-809-11	RES,CHIP	100	5%	1/16W
R5746	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5747	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5748	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5749	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5750	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5751	1-216-812-11	RES,CHIP	180	5%	1/16W
R5752	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5753	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5754	1-216-812-11	RES,CHIP	180	5%	1/16W
R5756	1-216-864-11	SHORT	0		
R5757	1-216-864-11	SHORT	0		
R5758	1-216-864-11	SHORT	0		
R5759	1-216-864-11	SHORT	0		
R5760	1-216-864-11	SHORT	0		
R5761	1-216-864-11	SHORT	0		
R5762	1-216-864-11	SHORT	0		
R5763	1-216-864-11	SHORT	0		
R5764	1-216-864-11	SHORT	0		
R5765	1-216-864-11	SHORT	0		
R5771	1-216-864-11	SHORT	0		
R5772	1-216-864-11	SHORT	0		
R5773	1-216-864-11	SHORT	0		
R5774	1-216-864-11	SHORT	0		
R5775	1-216-864-11	SHORT	0		
R5776	1-216-864-11	SHORT	0		
R5777	1-216-864-11	SHORT	0		
R5778	1-216-864-11	SHORT	0		
R5779	1-216-864-11	SHORT	0		
R5780	1-216-864-11	SHORT	0		
R5781	1-216-864-11	SHORT	0		
R5782	1-216-864-11	SHORT	0		
R5783	1-216-864-11	SHORT	0		
R5784	1-216-864-11	SHORT	0		
R5785	1-216-864-11	SHORT	0		
R5786	1-216-864-11	SHORT	0		
R5791	1-162-918-11	CERAMIC CHIP	18pF	5%	50V
R5792	1-162-918-11	CERAMIC CHIP	18pF	5%	50V
R5795	1-216-864-11	SHORT	0		
R5796	1-216-864-11	SHORT	0		
R5801	1-216-864-11	SHORT	0		
R5803	1-216-864-11	SHORT	0		
R5804	1-216-864-11	SHORT	0		
R5805	1-216-864-11	SHORT	0		
R5807	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5808	1-216-864-11	SHORT	0		
R5809	1-216-864-11	SHORT	0		
R5812	1-216-864-11	SHORT	0		
R5813	1-216-864-11	SHORT	0		
R5814	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5815	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5817	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5818	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5819	1-216-805-11	RES,CHIP	47	5%	1/16W
R5820	1-216-805-11	RES,CHIP	47	5%	1/16W
R5821	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5822	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5823	1-216-828-11	RES,CHIP	3.9K	5%	1/16W
R5830	1-216-864-11	SHORT	0		
R5831	1-216-864-11	SHORT	0		
R5832	1-216-864-11	SHORT	0		
R5833	1-216-864-11	SHORT	0		
R5834	1-216-864-11	SHORT	0		
R5835	1-216-864-11	SHORT	0		
R5836	1-216-864-11	SHORT	0		
R5837	1-216-864-11	SHORT	0		
R5838	1-216-864-11	SHORT	0		
R5839	1-216-864-11	SHORT	0		
R5840	1-216-864-11	SHORT	0		
R5841	1-216-864-11	SHORT	0		
R5842	1-216-864-11	SHORT	0		
R5843	1-216-809-11	RES,CHIP	100	5%	1/16W
R5844	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5845	1-216-809-11	RES,CHIP	100	5%	1/16W
R5846	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5847	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5848	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5849	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5850	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5851	1-216-812-11	RES,CHIP	180	5%	1/16W

C

Ref.No.	Part No.	Description			Remark
R5852	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5853	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5854	1-216-812-11	RES,CHIP	180	5%	1/16W
R5856	1-216-864-11	SHORT	0		
R5857	1-216-864-11	SHORT	0		
R5858	1-216-864-11	SHORT	0		
R5859	1-216-864-11	SHORT	0		
R5860	1-216-864-11	SHORT	0		
R5861	1-216-864-11	SHORT	0		
R5862	1-216-864-11	SHORT	0		
R5863	1-216-864-11	SHORT	0		
R5864	1-216-864-11	SHORT	0		
R5865	1-216-864-11	SHORT	0		
R5871	1-216-864-11	SHORT	0		
R5872	1-216-864-11	SHORT	0		
R5873	1-216-864-11	SHORT	0		
R5874	1-216-864-11	SHORT	0		
R5875	1-216-864-11	SHORT	0		
R5876	1-216-864-11	SHORT	0		
R5877	1-216-864-11	SHORT	0		
R5878	1-216-864-11	SHORT	0		
R5879	1-216-864-11	SHORT	0		
R5880	1-216-864-11	SHORT	0		
R5881	1-216-864-11	SHORT	0		
R5882	1-216-864-11	SHORT	0		
R5883	1-216-864-11	SHORT	0		
R5884	1-216-864-11	SHORT	0		
R5885	1-216-864-11	SHORT	0		
R5886	1-216-864-11	SHORT	0		
R5895	1-216-864-11	SHORT	0		
R5896	1-216-864-11	SHORT	0		

<NETWORK>

RB5031	1-233-576-11	RES, CHIP NETWORK 100
RB5032	1-233-576-11	RES, CHIP NETWORK 100
RB5075	1-233-576-11	RES, CHIP NETWORK 100
RB5076	1-233-576-11	RES, CHIP NETWORK 100
RB5101	1-233-576-11	RES, CHIP NETWORK 100
RB5102	1-233-576-11	RES, CHIP NETWORK 100
RB5103	1-233-576-11	RES, CHIP NETWORK 100
RB5104	1-233-576-11	RES, CHIP NETWORK 100
RB5105	1-233-576-11	RES, CHIP NETWORK 100
RB5106	1-233-576-11	RES, CHIP NETWORK 100
RB5107	1-233-576-11	RES, CHIP NETWORK 100
RB5108	1-233-576-11	RES, CHIP NETWORK 100
RB5109	1-233-576-11	RES, CHIP NETWORK 100
RB5110	1-233-576-11	RES, CHIP NETWORK 100
RB5111	1-233-576-11	RES, CHIP NETWORK 100
RB5112	1-233-576-11	RES, CHIP NETWORK 100
RB5213	1-233-574-11	RES, CHIP NETWORK 10
RB5214	1-233-574-11	RES, CHIP NETWORK 10
RB5215	1-233-574-11	RES, CHIP NETWORK 10
RB5216	1-233-574-11	RES, CHIP NETWORK 10
RB5217	1-233-574-11	RES, CHIP NETWORK 10
RB5218	1-233-574-11	RES, CHIP NETWORK 10
RB5219	1-233-574-11	RES, CHIP NETWORK 10
RB5220	1-233-574-11	RES, CHIP NETWORK 10
RB5221	1-233-574-11	RES, CHIP NETWORK 10
RB5222	1-233-574-11	RES, CHIP NETWORK 10
RB5223	1-233-574-11	RES, CHIP NETWORK 10
RB5224	1-233-574-11	RES, CHIP NETWORK 10
RB5301	1-239-409-11	RES, CHIP NETWORK 47
RB5302	1-239-409-11	RES, CHIP NETWORK 47
RB5303	1-239-409-11	RES, CHIP NETWORK 47
RB5305	1-239-409-11	RES, CHIP NETWORK 47
RB5306	1-239-409-11	RES, CHIP NETWORK 47
RB5307	1-239-409-11	RES, CHIP NETWORK 47
RB5308	1-239-409-11	RES, CHIP NETWORK 47
RB5309	1-239-409-11	RES, CHIP NETWORK 47
RB5310	1-239-409-11	RES, CHIP NETWORK 47
RB5311	1-239-409-11	RES, CHIP NETWORK 47
RB5312	1-239-409-11	RES, CHIP NETWORK 47
RB5313	1-239-409-11	RES, CHIP NETWORK 47
RB5314	1-239-409-11	RES, CHIP NETWORK 47
RB5315	1-239-409-11	RES, CHIP NETWORK 47
RB5316	1-239-409-11	RES, CHIP NETWORK 47
RB5317	1-239-409-11	RES, CHIP NETWORK 47
RB5318	1-239-409-11	RES, CHIP NETWORK 47
RB5319	1-239-409-11	RES, CHIP NETWORK 47
RB5320	1-239-409-11	RES, CHIP NETWORK 47
RB5321	1-239-409-11	RES, CHIP NETWORK 47
RB5322	1-239-409-11	RES, CHIP NETWORK 47
RB5323	1-239-409-11	RES, CHIP NETWORK 47
RB5401	1-233-576-11	RES, CHIP NETWORK 100
RB5402	1-239-409-11	RES, CHIP NETWORK 47
RB5403	1-239-409-11	RES, CHIP NETWORK 47
RB5404	1-239-409-11	RES, CHIP NETWORK 47
RB5405	1-239-409-11	RES, CHIP NETWORK 47
RB5406	1-239-409-11	RES, CHIP NETWORK 47
RB5407	1-239-409-11	RES, CHIP NETWORK 47
RB5408	1-239-409-11	RES, CHIP NETWORK 47
RB5409	1-239-409-11	RES, CHIP NETWORK 47
RB5410	1-239-409-11	RES, CHIP NETWORK 47
RB5411	1-239-409-11	RES, CHIP NETWORK 47
RB5412	1-239-409-11	RES, CHIP NETWORK 47
RB5413	1-239-409-11	RES, CHIP NETWORK 47
RB5414	1-233-576-11	RES, CHIP NETWORK 100
RB5601	1-233-574-11	RES, CHIP NETWORK 10
RB5602	1-233-574-11	RES, CHIP NETWORK 10
RB5603	1-233-574-11	RES, CHIP NETWORK 10
RB5604	1-233-574-11	RES, CHIP NETWORK 10
RB5701	1-233-574-11	RES, CHIP NETWORK 10
RB5702	1-233-574-11	RES, CHIP NETWORK 10
RB5703	1-233-574-11	RES, CHIP NETWORK 10
RB5704	1-233-574-11	RES, CHIP NETWORK 10
RB5801	1-233-574-11	RES, CHIP NETWORK 10
RB5802	1-233-574-11	RES, CHIP NETWORK 10
RB5803	1-233-574-11	RES, CHIP NETWORK 10
RB5804	1-233-574-11	RES, CHIP NETWORK 10

<SWITCH>

S5202	1-571-674-11	SWITCH, SLIDE
S5301	1-571-674-11	SWITCH, SLIDE

<THERMISTOR>

TH5001	1-808-656-11	THERMISTOR

<CRYSTAL>

X5063	1-781-659-21	VIBRATOR, CRYSTAL (12.288MHz)
X5201	1-781-774-21	VIBRATOR, CRYSTAL (21.667MHz)
X5202	1-781-354-11	OSCILLATOR, CRYSTAL (80MHz)

****

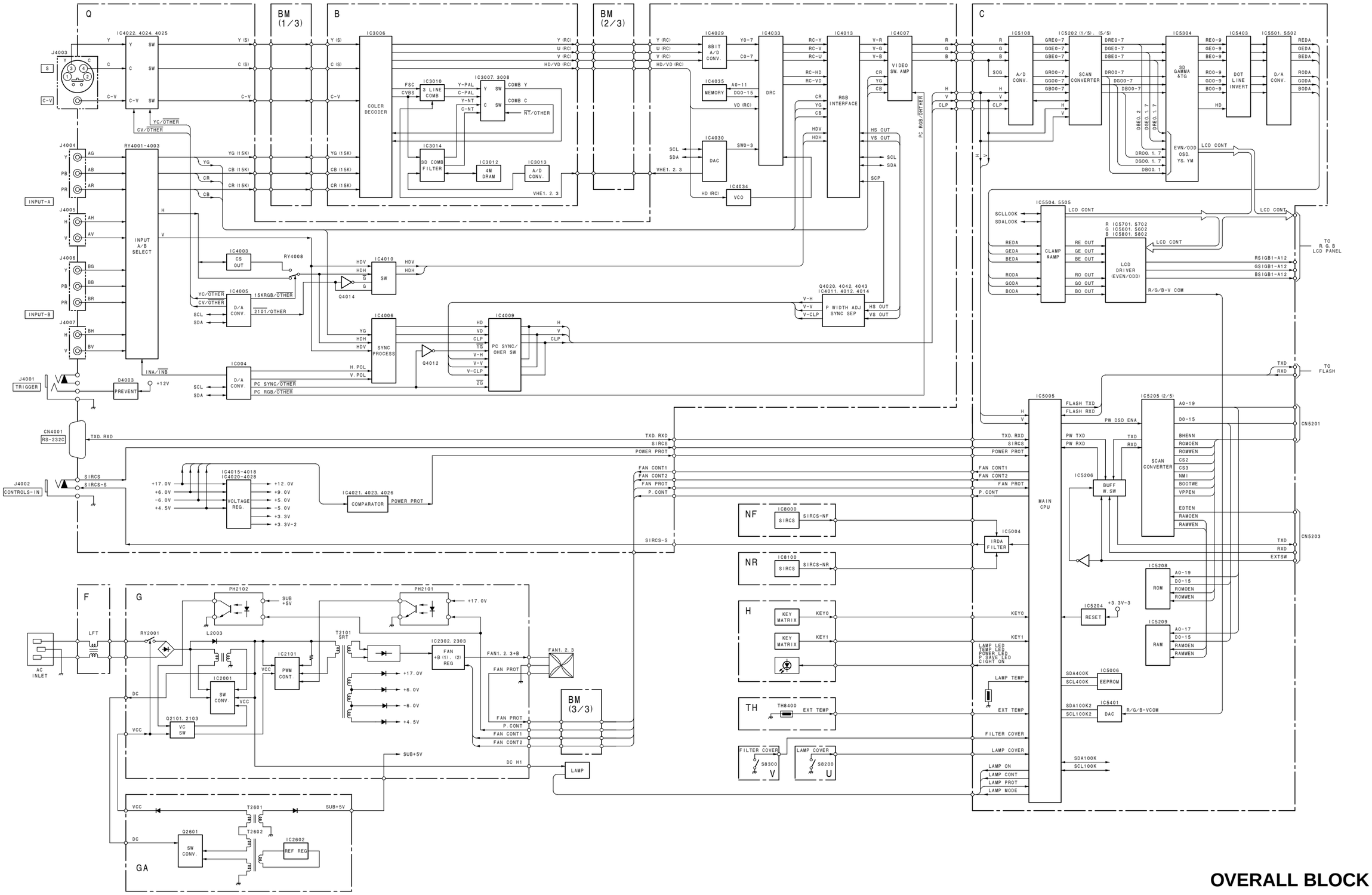
Ref.No.	Part No.	Description	Remark
	* 1-675-773-11	PWB, V	
		**********	
		<CONNECTOR>	
CN8300	* 1-564-517-11	PLUG, CONNECTOR 2P	
		<SWITCH>	
S8300	1-570-245-11	SWITCH, MICRO (FILTER COVER)	
		**********	
	* 1-675-772-11	PWB, U	
		**********	
		<CONNECTOR>	
CN8200	* 1-564-517-11	PLUG, CONNECTOR 2P	
		<SWITCH>	
S8200	1-570-245-11	SWITCH, MICRO (LAMP COVER)	
		**********	
	* A-1375-194-A	H COMPL	
		**********	
		<CAPACITOR>	
C7001	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C7002	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
		<CONNECTOR>	
CN7001	* 1-764-007-11	PIN, CONNECTOR (SMD) 12P	
		<DIODE>	
D7001	8-719-045-53	DIODE SEC1801C (LIGHT)	
D7002	8-719-045-53	DIODE SEC1801C (PATTERN)	
D7003	8-719-045-53	DIODE SEC1801C (RESET)	
D7004	8-719-045-61	DIODE SEC1901C (LAMP COVER)	
D7005	8-719-045-53	DIODE SEC1801C (LEFT)	
D7006	8-719-045-61	DIODE SEC1901C (TEMP/FAN)	
D7007	8-719-045-53	DIODE SEC1801C (DOWN)	
D7008	8-719-045-53	DIODE SEC1801C (UP)	
D7009	8-719-045-53	DIODE SEC1801C (POWER-SAVING)	
D7010	8-719-045-53	DIODE SEC1801C (RIGHT)	
D7011	8-719-045-60	DIODE SEC1401C (POWER)	
D7012	8-719-045-53	DIODE SEC1801C (INPUT)	
D7013	8-719-045-53	DIODE SEC1801C (MENU)	
D7014	8-719-045-53	DIODE SEC1801C (ENTER)	
D7015	8-719-045-51	DIODE SEC2422C (ON/STANDBY)	
D7016	8-719-914-43	DIODE DAN202K	
D7017	8-719-914-44	DIODE DAP202K	
D7018	8-719-914-43	DIODE DAN202K	
D7019	8-719-914-44	DIODE DAP202K	
D7020	8-719-914-43	DIODE DAN202K	
D7021	8-719-914-44	DIODE DAP202K	
D7022	8-719-045-53	DIODE SEC1801C (V MEMO)	
D7023	8-719-914-43	DIODE DAN202K	
D7024	8-719-914-44	DIODE DAP202K	
D7025	8-719-045-53	DIODE SEC1801C (LIGHT)	
D7026	8-719-045-53	DIODE SEC1801C (LIGHT)	
D7027	8-719-045-53	DIODE SEC1801C (MENU)	
D7028	8-719-045-53	DIODE SEC1801C (MENU)	
D7029	8-719-045-53	DIODE SEC1801C (ENTER)	
D7030	8-719-045-53	DIODE SEC1801C (ENTER)	
D7031	8-719-045-53	DIODE SEC1801C (RESET)	
D7032	8-719-045-53	DIODE SEC1801C (RESET)	
D7033	8-719-045-53	DIODE SEC1801C (PATTERN)	
D7034	8-719-045-53	DIODE SEC1801C (PATTERN)	
		<FERRITE BEAD>	
FB7001	1-414-235-22	INDUCTOR CHIP 0µH	
FB7002	1-414-235-22	INDUCTOR CHIP 0µH	
		<TRANSISTOR>	
Q7001	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q7002	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q7003	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q7004	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q7005	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q7006	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q7007	8-729-230-49	TRANSISTOR 2SC2712-YG	
		<RESISTOR>	
R7001	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7002	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7003	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7004	1-216-075-00	RES,CHIP 12K 5% 1/10W	
R7005	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R7006	1-216-063-91	RES,CHIP 3.9K 5% 1/10W	
R7007	1-216-059-00	RES,CHIP 2.7K 5% 1/10W	
R7008	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R7009	1-216-053-00	RES,CHIP 1.5K 5% 1/10W	
R7010	1-216-055-00	RES,CHIP 1.8K 5% 1/10W	
R7011	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R7012	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7013	1-216-061-00	RES,CHIP 3.3K 5% 1/10W	
R7014	1-216-083-00	RES,CHIP 27K 5% 1/10W	
R7015	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7016	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R7017	1-216-075-00	RES,CHIP 12K 5% 1/10W	
R7018	1-216-063-91	RES,CHIP 3.9K 5% 1/10W	
R7019	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7020	1-216-061-00	RES,CHIP 3.3K 5% 1/10W	
R7021	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7022	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7023	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7024	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7025	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7026	1-216-061-00	RES,CHIP 3.3K 5% 1/10W	
R7027	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7028	1-216-055-00	RES,CHIP 1.8K 5% 1/10W	
R7029	1-216-053-00	RES,CHIP 1.5K 5% 1/10W	
R7030	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R7031	1-216-059-00	RES,CHIP 2.7K 5% 1/10W	
R7032	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R7033	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R7034	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7035	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7036	1-216-037-00	RES,CHIP 330 5% 1/10W	
R7038	1-216-061-00	RES,CHIP 3.3K 5% 1/10W	
R7039	1-216-061-00	RES,CHIP 3.3K 5% 1/10W	

H NF NR TH

Ref.No.	Part No.	Description			Remark
R7040	1-216-037-00	RES,CHIP	330	5%	1/10W
R7041	1-216-037-00	RES,CHIP	330	5%	1/10W
R7042	1-216-037-00	RES,CHIP	330	5%	1/10W
R7043	1-216-037-00	RES,CHIP	330	5%	1/10W
R7044	1-216-037-00	RES,CHIP	330	5%	1/10W
R7045	1-216-037-00	RES,CHIP	330	5%	1/10W
R7046	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R7047	1-216-037-00	RES,CHIP	330	5%	1/10W
R7048	1-216-037-00	RES,CHIP	330	5%	1/10W
		<SWITCH>			
S7001	1-771-105-11	SWITCH, TACTILE (LIGHT)			
S7002	1-771-105-11	SWITCH, TACTILE (PATTERN)			
S7003	1-771-105-11	SWITCH, TACTILE (RESET)			
S7004	1-771-105-11	SWITCH, TACTILE (LEFT)			
S7005	1-771-105-11	SWITCH, TACTILE (UP)			
S7006	1-771-105-11	SWITCH, TACTILE (DOWN)			
S7007	1-771-105-11	SWITCH, TACTILE (RIGHT)			
S7008	1-771-105-11	SWITCH, TACTILE (POWER)			
S7009	1-771-105-11	SWITCH, TACTILE (INPUT)			
S7010	1-771-105-11	SWITCH, TACTILE (MENU)			
S7011	1-771-105-11	SWITCH, TACTILE (ENTER)			
S7012	1-771-105-11	SWITCH, TACTILE (V MEMO)			
**********					
	* 1-675-776-11	PWB, NF **********			
		<CAPACITOR>			
C8000	1-124-589-11	ELECT	47µF	20%	10V
		<CONNECTOR>			
CN8000	* 1-564-518-11	PLUG, CONNECTOR 3P			
		<IC>			
IC8000	8-749-011-03	IC GP1U26X			
		<RESISTOR>			
R8000	1-216-017-91	RES,CHIP	47	5%	1/10W
R8001	1-216-025-91	RES,CHIP	100	5%	1/10W
**********					
	* 1-675-771-11	PWB, NR **********			
		<CAPACITOR>			
C8100	1-124-589-11	ELECT	47µF	20%	10V
		<CONNECTOR>			
CN8100	* 1-564-518-11	PLUG, CONNECTOR 3P			
		<IC>			
IC8100	8-749-011-03	IC GP1U26X			

Ref.No.	Part No.	Description			Remark
		<RESISTOR>			
R8100	1-216-017-91	RES,CHIP	47	5%	1/10W
R8101	1-216-025-91	RES,CHIP	100	5%	1/10W
**********					
	* 1-675-920-11	PWB, TH **********			
		<CONNECTOR>			
CN8400	* 1-580-057-11	PIN, CONNECTOR (SMD) 4P			
		<THERMISTOR>			
TH8400	1-806-656-11	THERMISTOR			
**********					
		MISCELLANEOUS **********			
	1-758-451-11	OPTICAL UNIT			
	⚠1-526-813-12	INLET, AC (3P) (100-240V)			
	1-698-059-11	FAN, DC			
	1-763-070-11	FAN, DC			
	1-763-417-11	FAN, DC			
	1-900-222-47	CONNECTOR ASSY 2P			
**********					
		ACCESSORY **********			
	⚠1-534-827-14	CORD, POWER (7A/125V)			
	⚠1-777-649-11	CORD, POWER (10A/250V)			
	⚠1-782-929-11	CORD, POWER SUPPLY(BS 3P) (10A/250V)			
	1-418-834-11	REMOTE COMMANDER(RM-PJVW10)			
	3-704-356-01	SHEET (STANDARD), PROTECTION			
	4-074-835-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH)			
	4-074-835-21	MANUAL, INSTRUCTION (GERMAN, ITALIAN)			
	4-074-850-01	FILTER			
	4-074-906-01	BOX, ACCESSORY			
	9-885-000-82	BATTERY COVER (FOR RM-PJVW10)			

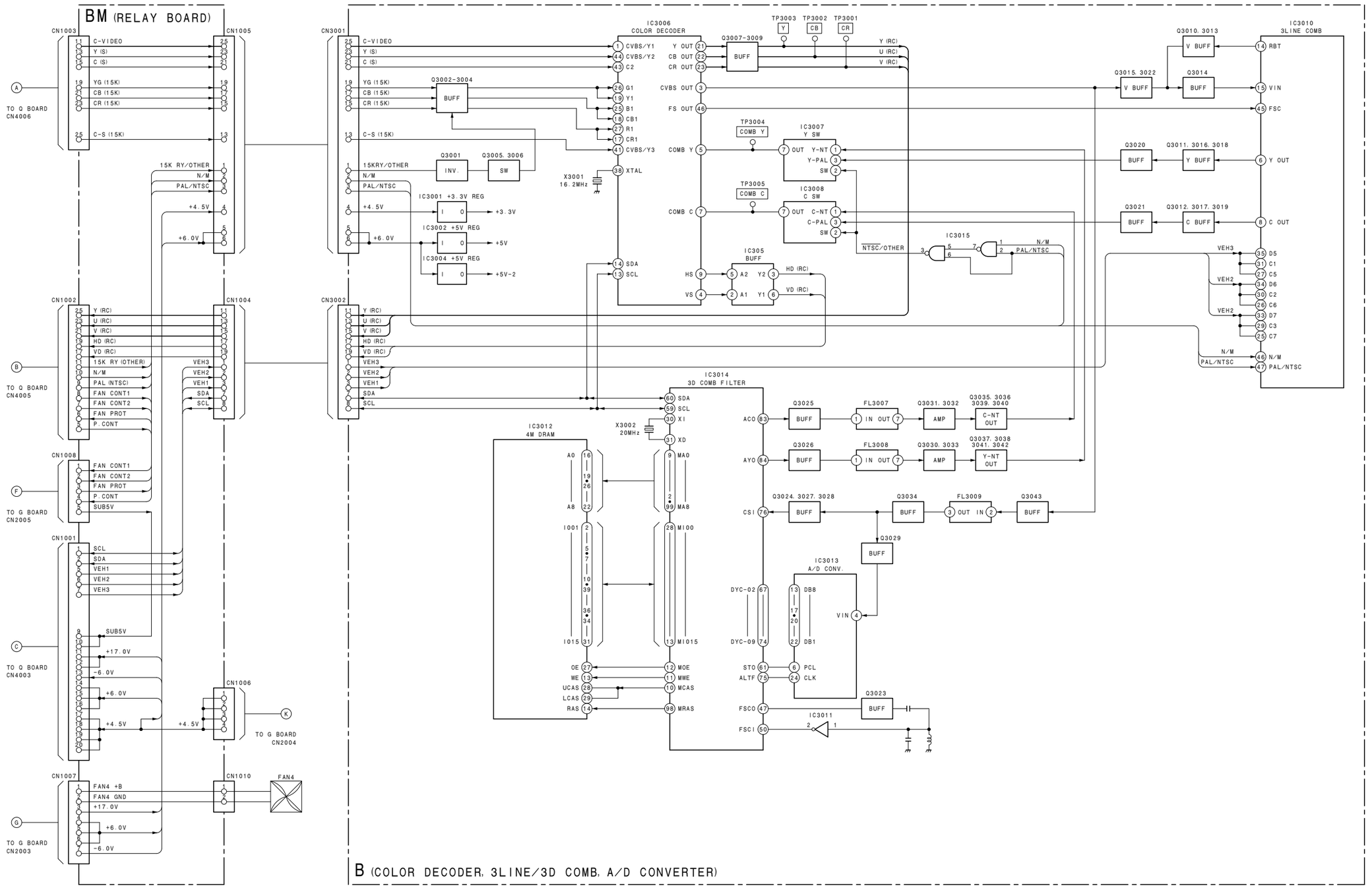
Section 7
Block Diagrams



OVERALL BLOCK

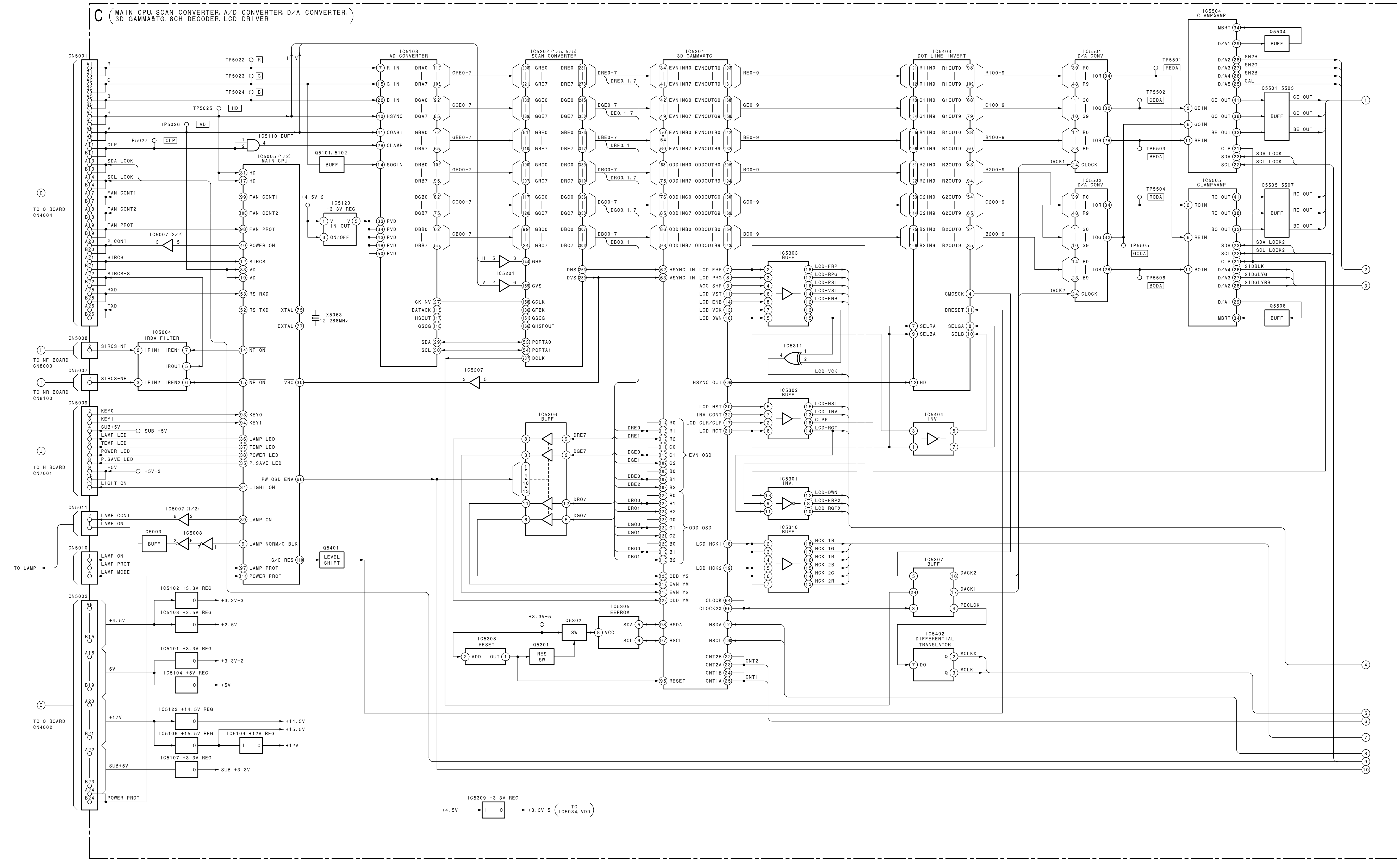
Q (INPUT TERMINAL, 3CH 8BIT A/D CONVERTER
DRC, RGB INTERFACE, Y/C/V SW)

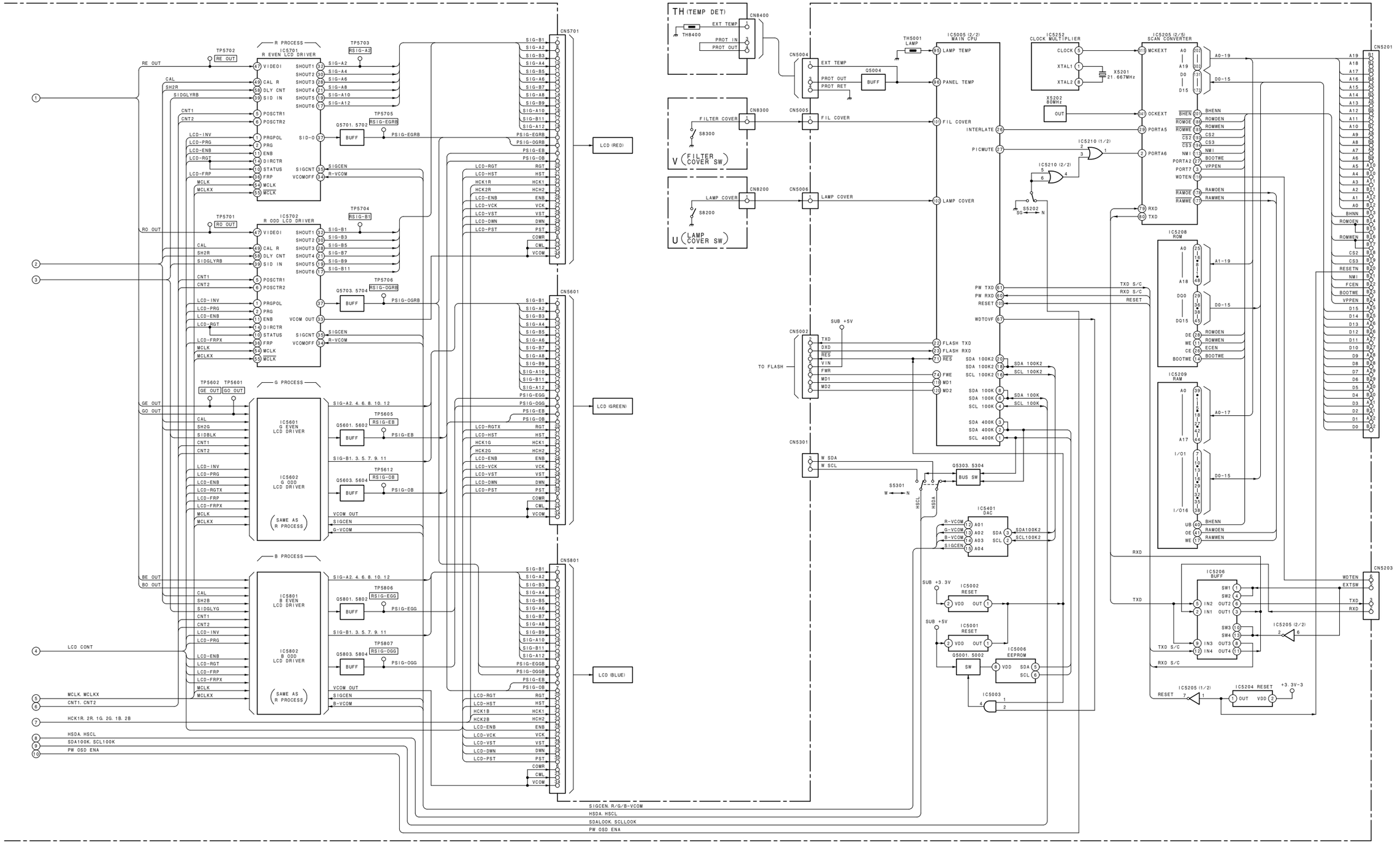
Q BLOCK



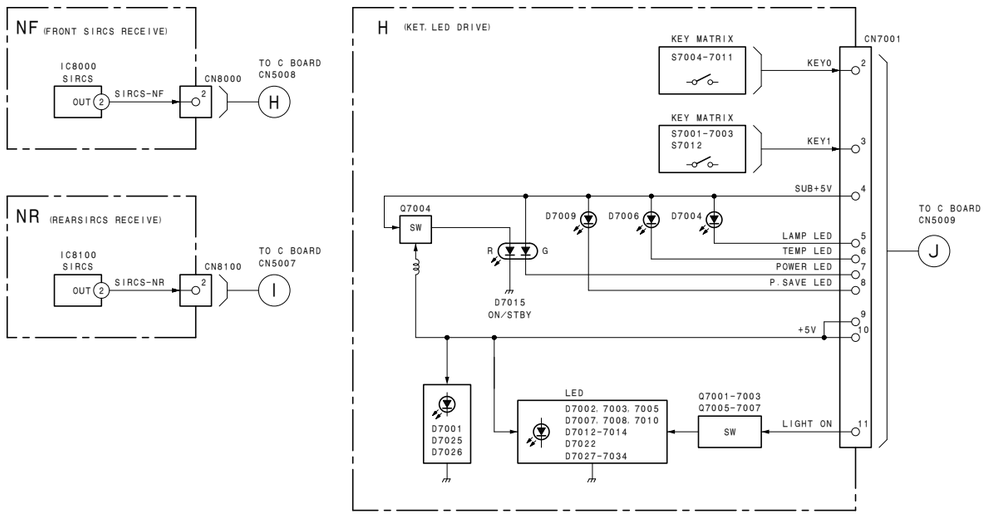
B (COLOR DECODER, 3LINE/3D COMB, A/D CONVERTER)

B, BM BLOCK

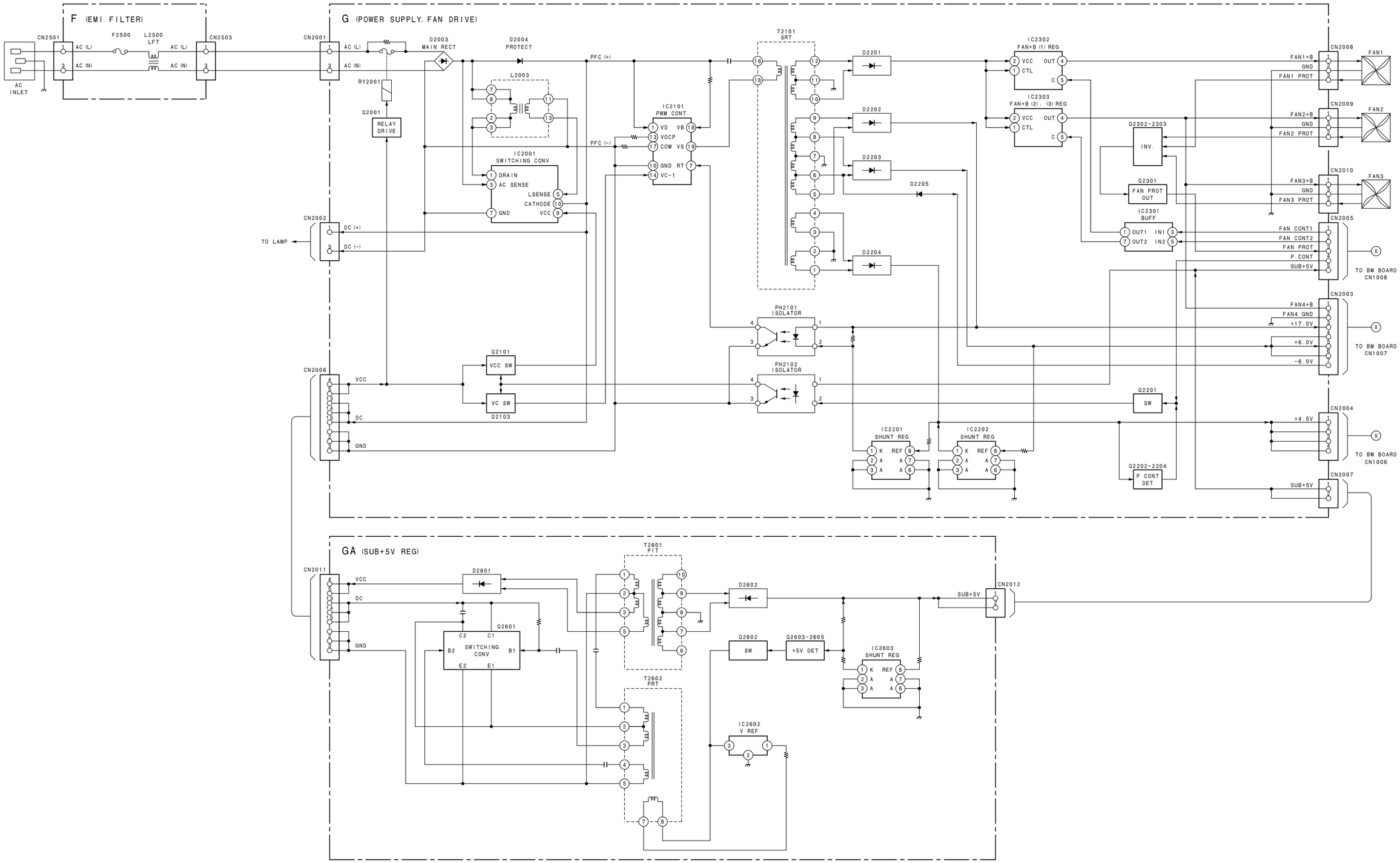

C (MAIN CPU, SCAN CONVERTER, A/D CONVERTER, D/A CONVERTER, 3D GAMMA&TG, 8CH DECODER, LCD DRIVER)
IC108 AD CONVERTER
IC5202 (1/5, 5/5) SCAN CONVERTER
IC5304 3D GAMMA&TG
IC5403 DOT LINE INVERT
IC5501 D/A CONV.
IC5502 D/A CONV.
IC5504 CLAMP&AMP
IC5505 CLAMP&AMP
IC5005 (1/2) MAIN CPU
IC5004 IRDA FILTER
IC5306 BUFF
IC5303 BUFF
IC5302 BUFF
IC5301 INV
IC5310 BUFF
IC5311
IC5404 INV.
IC5307 BUFF
IC5402 DIFFERENTIAL TRANSLATOR
IC5305 EEPROM
IC5308 RESET
IC5309 +3.3V REG
TO Q BOARD CN4004
TO NF BOARD CN8000
TO NR BOARD CN8100
TO H BOARD CN7001
TO LAMP
TO Q BOARD CN4002


R PROCESS
G PROCESS
B PROCESS
IC5701 R EVEN LCD DRIVER
IC5702 R ODD LCD DRIVER
IC5601 G EVEN LCD DRIVER
IC5602 G ODD LCD DRIVER
IC5801 B EVEN LCD DRIVER
IC5802 B ODD LCD DRIVER
SAME AS R PROCESS
BUFF
CN5701
CN5601
CN5801
LCD (RED)
LCD (GREEN)
LCD (BLUE)
TH (TEMP DET)
FILTER COVER SW
LAMP COVER SW
IC5005 (2/2) MAIN CPU
IC5252 CLOCK MULTIPLIER
IC5205 (2/5) SCAN CONVERTER
IC5208 ROM
IC5209 RAM
IC5206 BUFF
IC5210 (1/2)
IC5210 (2/2)
IC5205 (1/2)
IC5205 (2/2)
IC5204 RESET
IC5002 RESET
IC5001 RESET
IC5006 EEPROM
IC5401 DAC
IC5003
CN5201
CN5203
CN5004
CN5005
CN5006
CN5002
CN5301
CN8400
CN8300
CN8200
Q5004
Q5303. 5304
Q5001. 5002
X5201 21.667MHz
X5202 80MHz
S8300
S8200
S5202
S5301
TH8400
TH5001 LAMP
SUB +5V
SUB +3.3V
+3.3V-3
TO FLASH
SIGCEN. R/G/B-VCOM
HSDA. HSCL
SDALOOK. SCLLOOK
PW OSD ENA

C, TH, U, V BLOCK

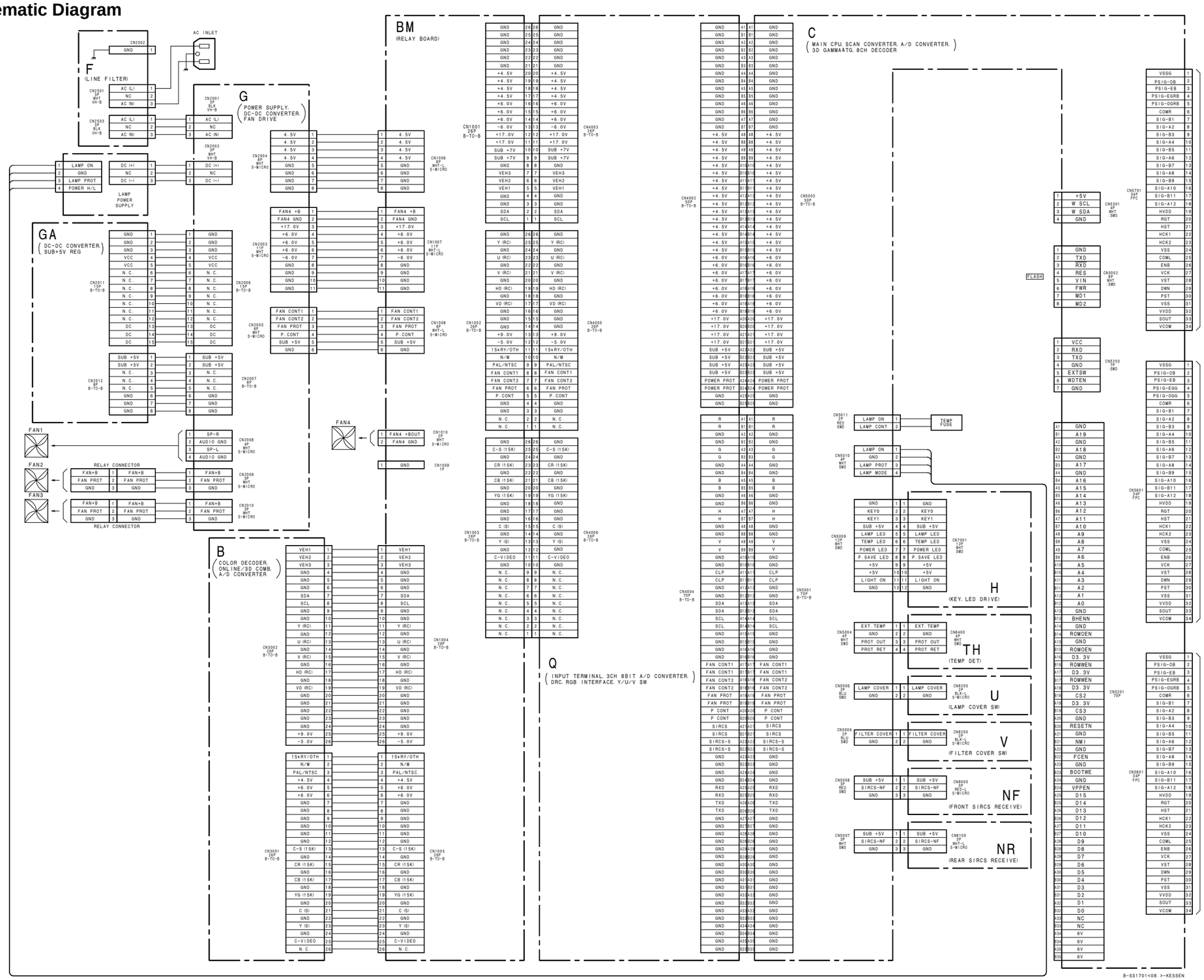

NF (FRONT SIRCS RECEIVE)
IC8000
SIRCS
OUT
SIRCS-NF
CN8000
TO C BOARD
CN5008
H
NR (REARSIRCS RECEIVE)
IC8100
SIRCS
OUT
SIRCS-NR
CN8100
TO C BOARD
CN5007
I
H (KET. LED DRIVE)
KEY MATRIX
S7004-7011
KEY0
KEY MATRIX
S7001-7003
S7012
KEY1
CN7001
SUB+5V
Q7004
SW
D7009
D7006
D7004
LAMP LED
TEMP LED
POWER LED
P.SAVE LED
R
G
D7015
ON/STBY
+5V
TO C BOARD
CN5009
J
D7001
D7025
D7026
LED
D7002. 7003. 7005
D7007. 7008. 7010
D7012-7014
D7022
D7027-7034
Q7001-7003
Q7005-7007
SW
LIGHT ON

H, NF, NR BLOCK


F (EMI FILTER)
CN2501
F2500
L2500 LFT
CN2503
AC (L)
AC (N)
AC INLET
G (POWER SUPPLY. FAN DRIVE)
CN2001
D2003 MAIN RECT
D2004 PROTECT
T2101 SRT
RY2001
Q2001
RELAY DRIVE
L2003
PFC (+)
PFC (–)
IC2101 PWM CONT.
VD VB
VOCP
COM VS
GND RT
VC-1
IC2001 SWITCHING CONV.
DRAIN
AC SENSE
LSENSE
CATHODE
GND
VCC
CN2002
TO LAMP
DC (+)
DC (–)
D2201
D2202
D2203
D2204
D2205
IC2302 FAN+B (1) REG
IC2303 FAN+B (2), (3) REG
VCC
CTL
OUT
C
Q2302–2303
INV.
Q2301
FAN PROT OUT
IC2301 BUFF
OUT1 IN1
OUT2 IN2
CN2008
FAN1
FAN1+B
GND
FAN1 PROT
CN2009
FAN2
FAN2+B
FAN2 PROT
CN2010
FAN3
FAN3+B
FAN3 PROT
CN2005
FAN CONT1
FAN CONT2
FAN PROT
P.CONT
SUB+5V
TO BM BOARD CN1008
CN2003
FAN4+B
FAN4 GND
+17.0V
+6.0V
–6.0V
TO BM BOARD CN1007
PH2101 ISOLATOR
PH2102 ISOLATOR
Q2101
VCC SW
VC SW
Q2103
CN2006
VCC
DC
GND
Q2201
SW
IC2201 SHUNT REG
IC2202 SHUNT REG
K
REF
A
Q2202–2204
P CONT DET
CN2004
+4.5V
TO BM BOARD CN1006
CN2007
SUB+5V
GA (SUB+5V REG)
CN2011
T2601 PIT
T2602 PRT
D2601
Q2601
SWITCHING CONV
C2
C1
B2
B1
E2
E1
D2602
Q2602
SW
Q2603–2605
+5V DET
IC2603 SHUNT REG
IC2602 V REF
CN2012

F, G, GA BLOCK

8-1. Frame Schematic Diagram



8-2. Schematic Diagrams and Printed Wiring Boards

Note:

- Parts marked " * " differ according to the model/destination. Refer to the mount table for each function.
- The parts marked " # " on schematic diagrams are not mounted.
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics.
- All electrolytics are in 50 V unless otherwise specified.
- : fusible resistor
- : nonflammable resistor
- : panel designation and adjustment for repair
- Caution when replacing chip parts
  New parts must be attached after removal of the chip.
  Be careful not to heat the minus side of a tantalum capacitor, because it is easily damaged by the heat.

Reference information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
	※	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

[Measuring conditions, voltage and waveform]

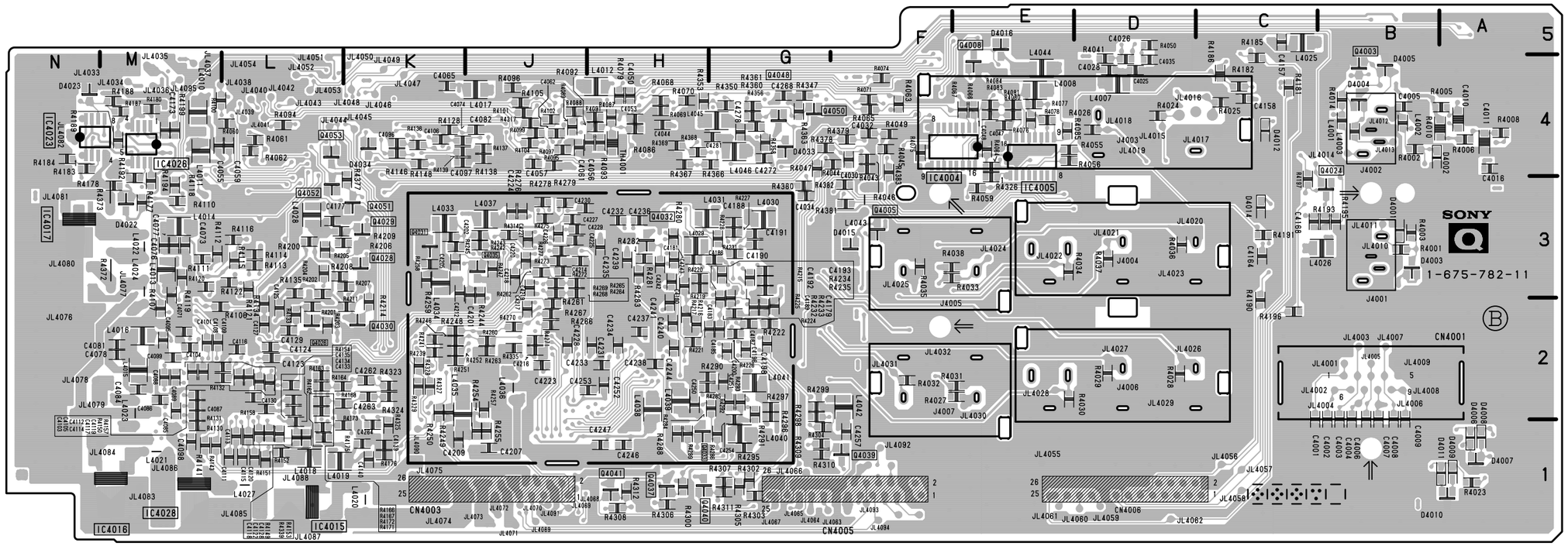
- A voltage value is the reference value between the measurement point and the earth, when the NTSC color bar signal is received from the color bar generator (digital multi-meter used: 10 M ohms/V DC).
- A voltage value is the reference value between the measurement point and the earth, when the NTSC color bar signal and RGB color bar signal are received from the color bar generator (digital multi-meter used: 10 M ohms/V DC).
- Unit of voltage is V (volt).
- : B+line
  : B– line
- Voltage variations may occur due to normal production tolerances.
- No mark : NTSC (3.58 MHz) color bar signal.
- [ ] : RGB color bar signal is received.
- ★ : Measurement disabled.
- Circled numbers indicate the reference waveform.
- : Signal path.

The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

—
Q
—
1-675-782-11

D4001	* B-3	Q4001	A-4
D4002	* A-4	Q4002	A-1
D4003	* B-3	Q4003	* B-5
D4004	B-5	Q4005	* F-3
D4004	* B-4	Q4006	F-3
D4005	* B-4	Q4007	D-5
D4006	* A-2	Q4011	F-5
D4007	* A-1	Q4012	H-5
D4008	* A-2	Q4013	M-3
D4009	* A-1	Q4014	M-3
D4010	* A-1	Q4015	M-3
D4011	* A-1	Q4016	L-3
D4012	* C-4	Q4017	L-3
D4014	* C-3	Q4018	M-3
D4015	* F-3	Q4019	M-3
D4016	* E-5	Q4020	J-4
D4022	* M-3	Q4021	L-2
D4023	* N-4	Q4022	L-2
D4024	G-1	Q4023	L-1
D4033	* G-4	Q4024	* B-4
D4034	* K-4	Q4025	L-3
		Q4026	* L-2
IC4001	A-4	Q4027	L-3
IC4002	B-1	Q4028	* K-3
IC4003	D-5	Q4029	* K-3
IC4004	* F-4	Q4030	* K-2
IC4006	H-5	Q4032	* H-3
IC4006	* E-3	Q4033	* H-1
IC4007	L-4	Q4034	G-1
IC4008	J-4	Q4036	G-2
IC4009	J-4	Q4036	* J-3
IC4010	M-3	Q4037	* H-1
IC4011	K-5	Q4038	G-1
IC4012	J-3	Q4039	* F-1
IC4013	L-2	Q4040	* H-1
IC4014	K-4	Q4041	* H-1
IC4015	* L-1	Q4042	K-4
IC4016	* M-1	Q4043	L-4
IC4017	* N-3	Q4045	G-5
IC4018	N-2	Q4046	G-5
IC4020	N-4	Q4047	G-5
IC4021	M-4	Q4048	* G-4
IC4022	C-4	Q4050	* F-4
IC4023	* N-4	Q4051	* K-3
IC4024	C-5	Q4052	* L-3
IC4025	C-3	Q4053	* L-4
IC4026	* M-4	Q4060	* E-5
IC4027	B-3		
IC4028	* M-1		
IC4029	G-3	※:B Side mount	
IC4029	G-3		
IC4030	K-2		
IC4031	K-3		
IC4032	J-1		
IC4033	H-2		
IC4034	H-2		
IC4035	H-1		
IC4036	G-5		
IC4038	H-3		
IC4039	K-4		



Q Q

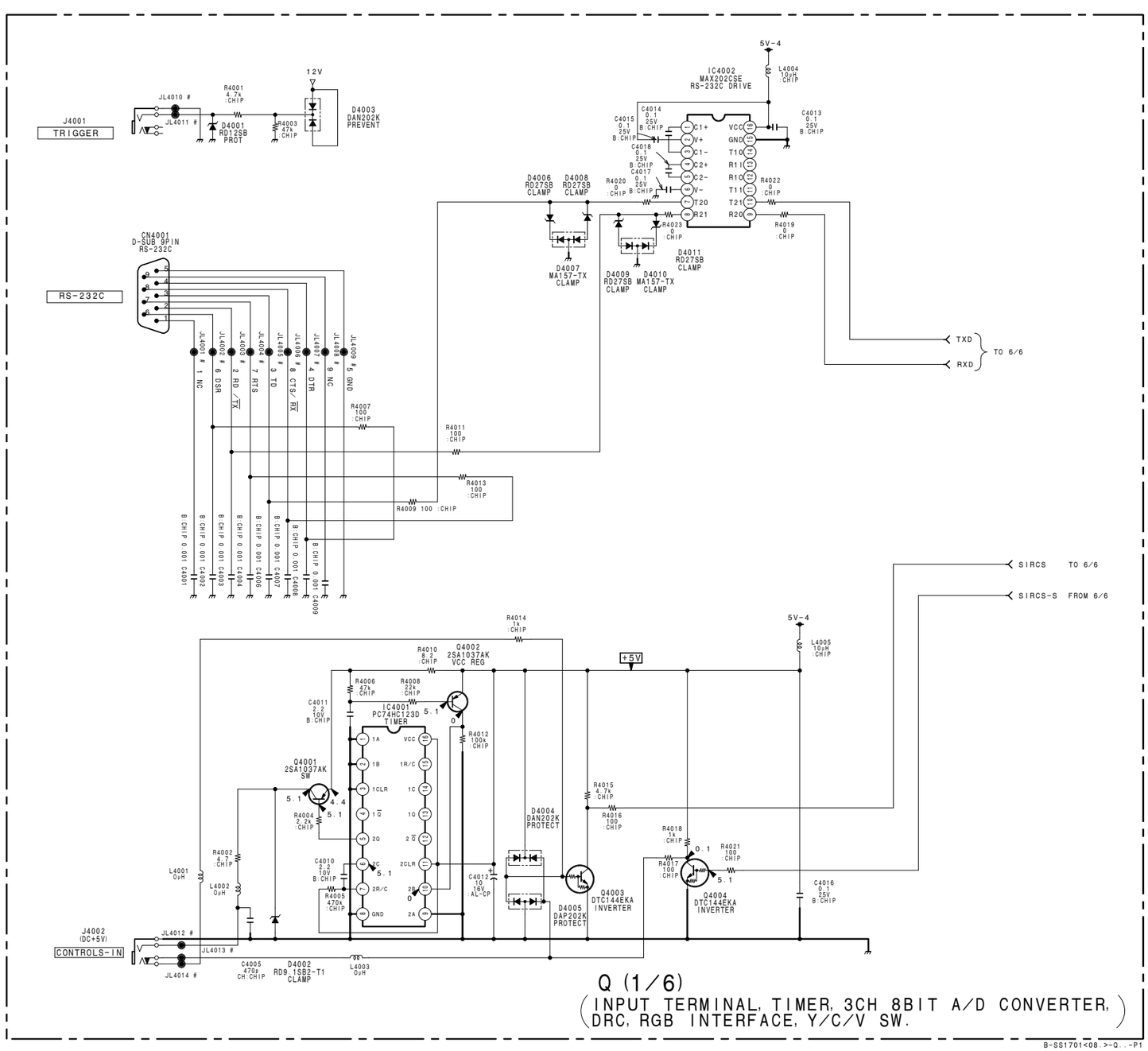
Q – B SIDE –

SUFFIX ; -11

Q – A SIDE –

SUFFIX ; -11

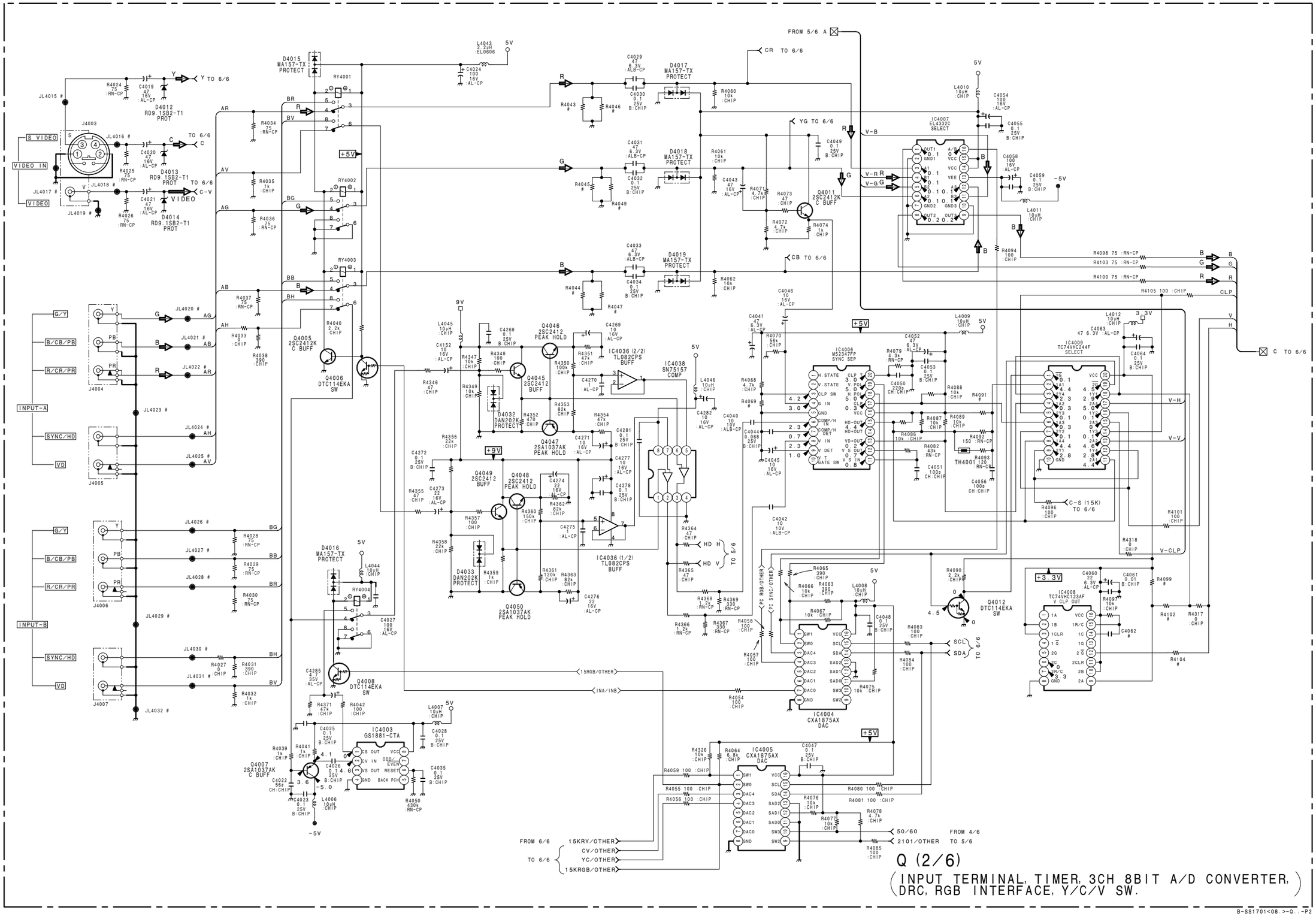
- Refer to page 8-3 for Printed Wiring Board
- Refer to page 8-10 for IC Block Diagrams



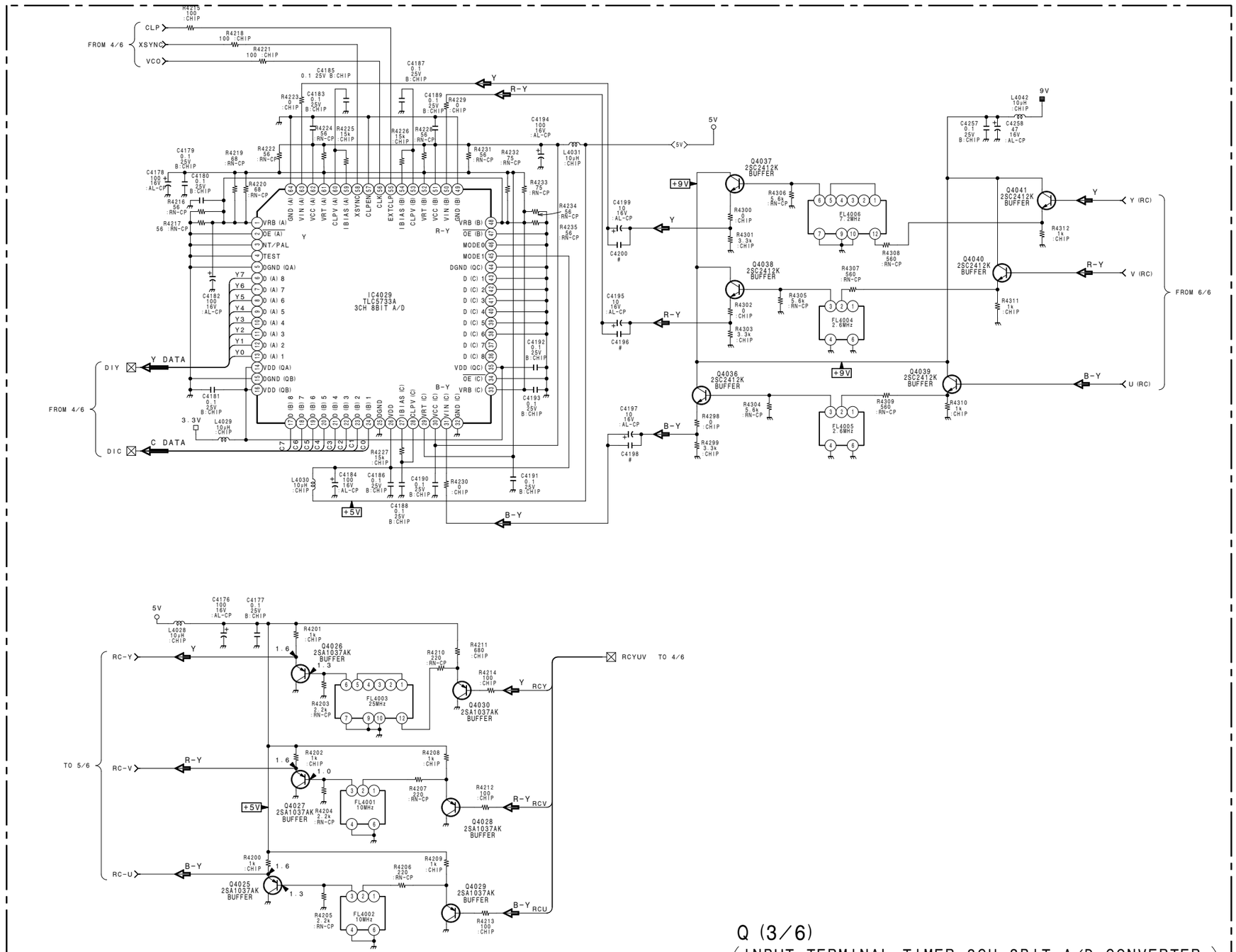
Q (1/6)
(INPUT TERMINAL, TIMER, 3CH 8BIT A/D CONVERTER, DRC, RGB INTERFACE, Y/C/V SW.)

B-SS1701<08.>-Q..-P1

- Refer to page 8-3 for Printed Wiring Board
- Refer to page 8-10 for IC Block Diagrams



- Refer to page 8-3 for Printed Wiring Board
- Refer to page 8-10 for IC Block Diagrams

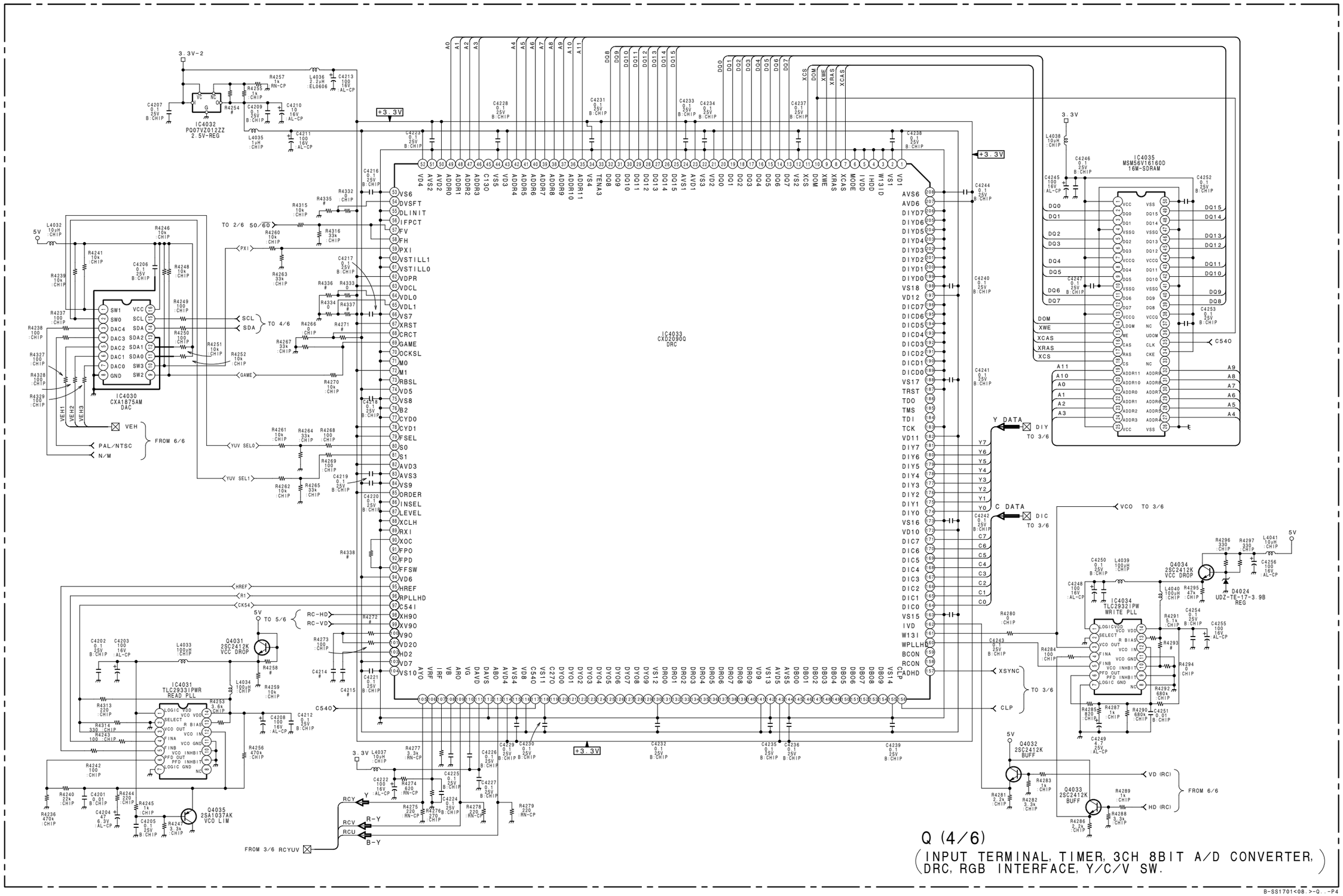


Q (3/6)

(INPUT TERMINAL, TIMER, 3CH 8BIT A/D CONVERTER, DRC, RGB INTERFACE, Y/C/V SW.)

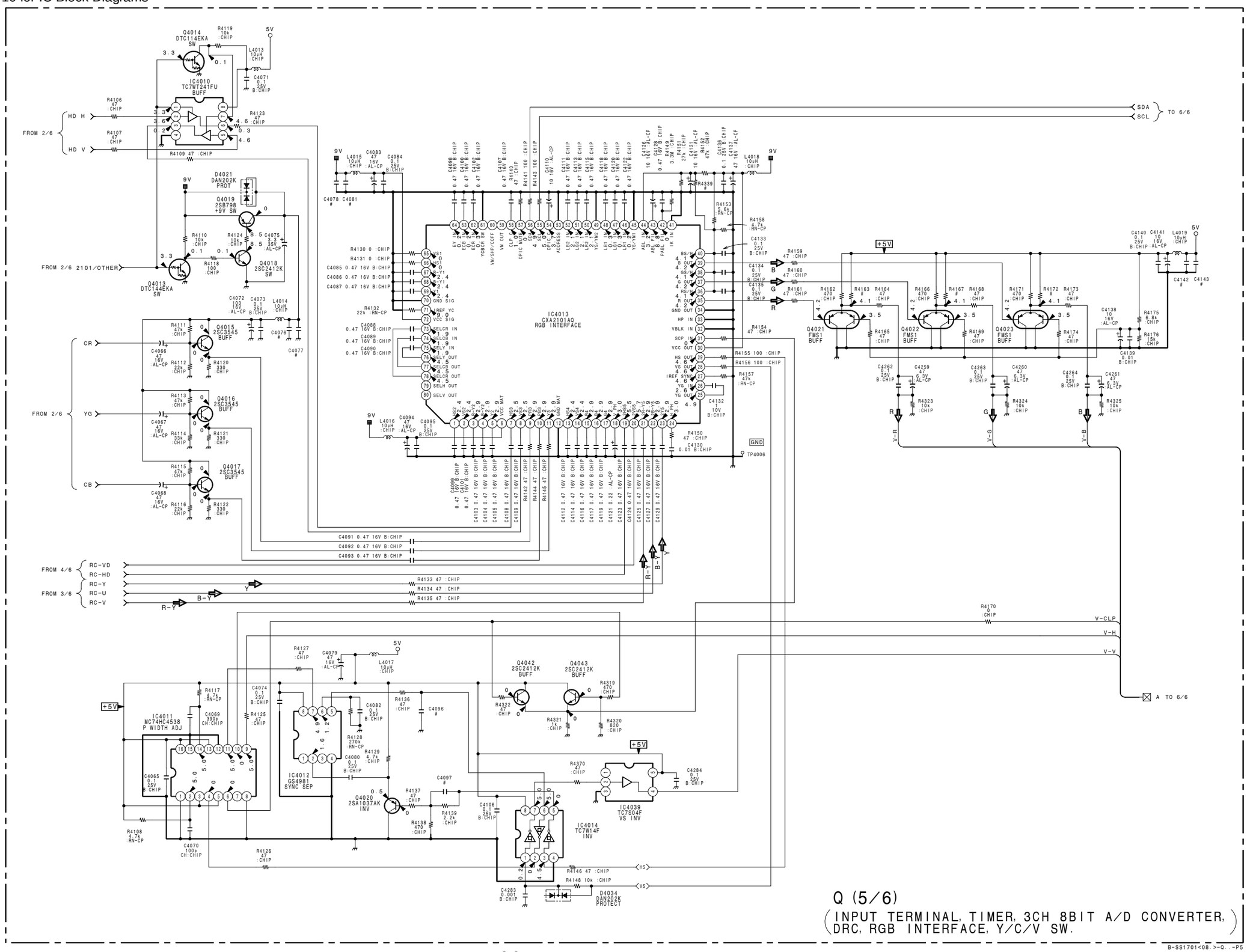
B-SS1701<08.>-Q..-P3

- Refer to page 8-3 for Printed Wiring Board
- Refer to page 8-10 for IC Block Diagrams



B-SS1701<08.>-Q..-P4

- Refer to page 8-3 for Printed Wiring Board
- Refer to page 8-10 for IC Block Diagrams

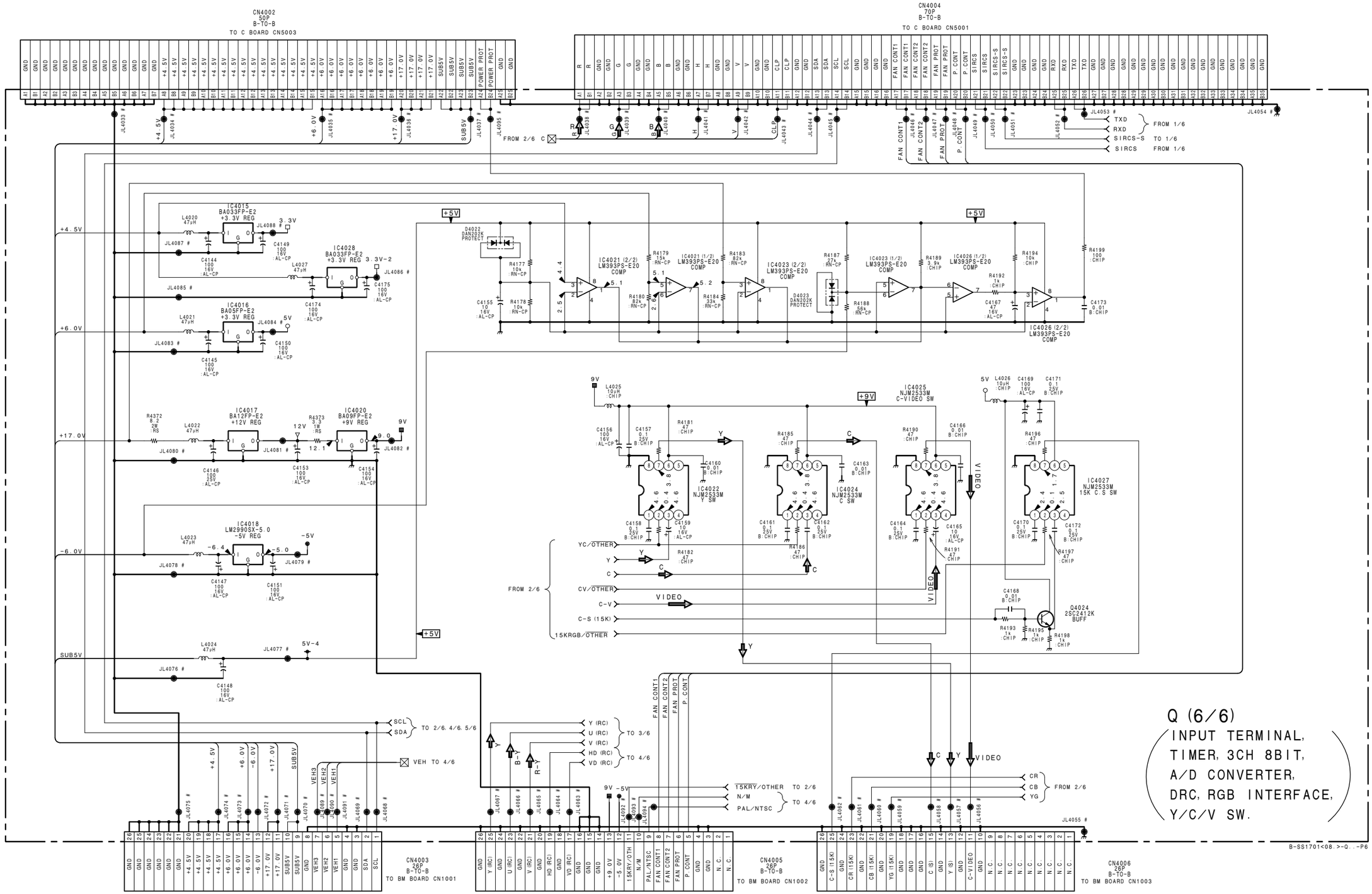


Q (5/6)

(INPUT TERMINAL, TIMER, 3CH 8BIT A/D CONVERTER, DRC, RGB INTERFACE, Y/C/V SW.)

B-SS1701<08.>-Q..-P5

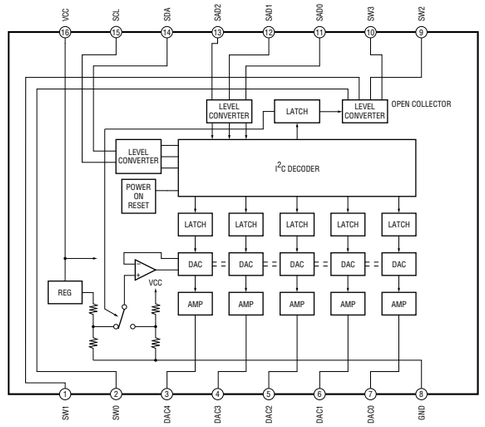
- Refer to page 8-3 for Printed Wiring Board
- Refer to page 8-10 for IC Block Diagrams



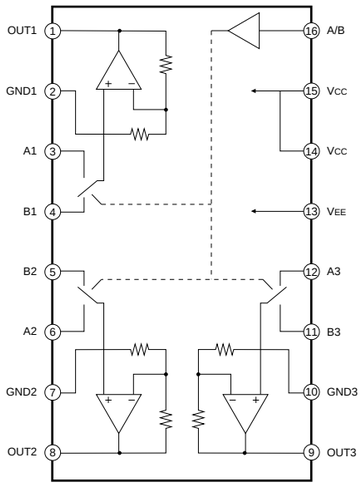
Q (6/6)

INPUT TERMINAL,
TIMER, 3CH 8BIT,
A/D CONVERTER,
DRC, RGB INTERFACE,
Y/C/V SW.

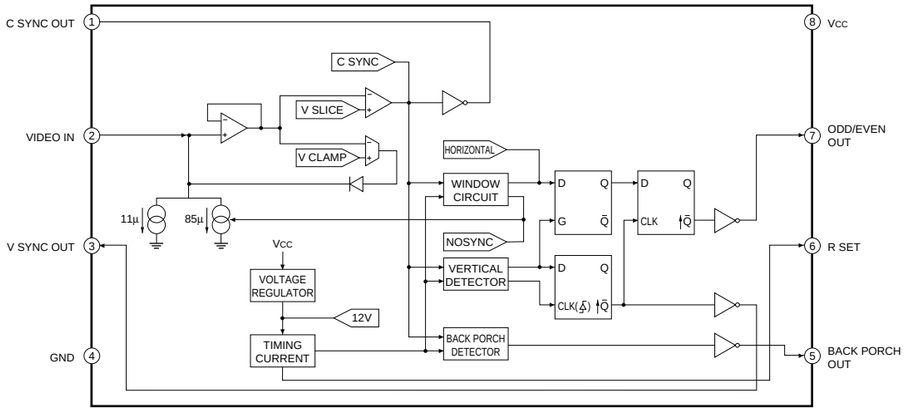
CXA1875AM-T4 (IC4004, IC4005, IC4030)



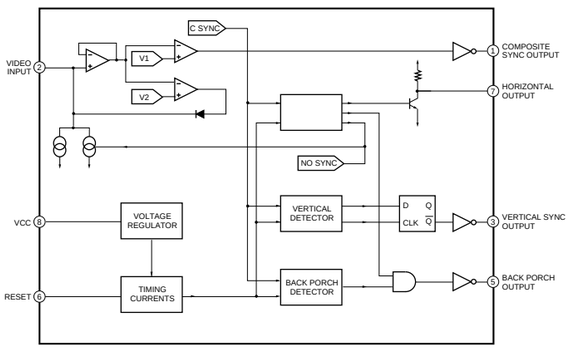
EL4332CS-TE2 (IC4007)



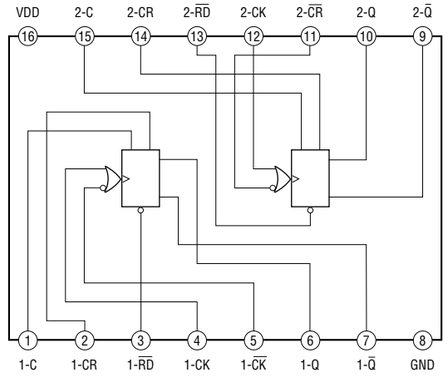
GS1881-CTA (IC4003)



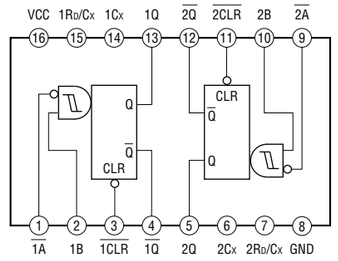
GS4981CTA (IC4012)



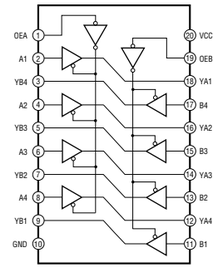
MC74HC4538AFEL (IC4011)



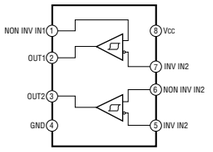
TC74 VHC123F(EL) (IC4008)



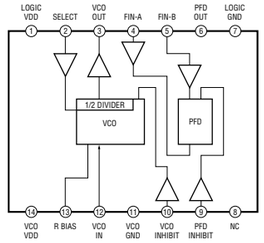
TC74VHC244F (EL) (IC4009)



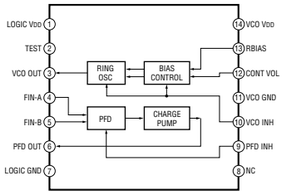
SN75157PS-ELL2000 (IC4038)



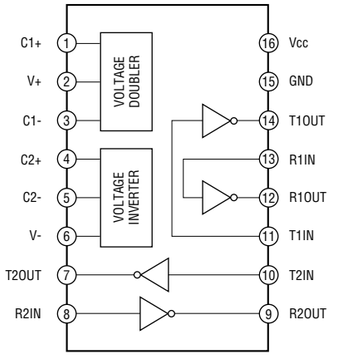
TLC2932IPW-E20 (IC4034)



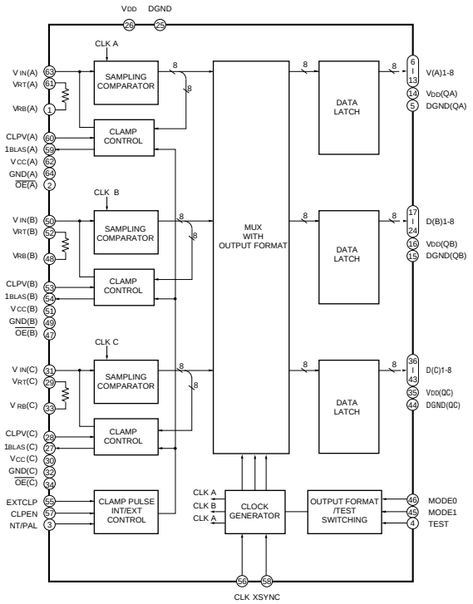
TLC2933IPWR (IC4031)



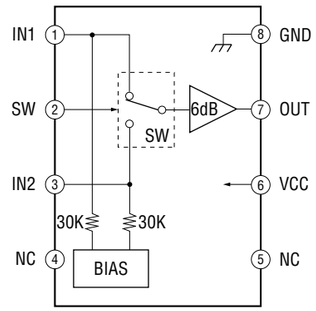
MAX202CSE-T (IC4002)



TLC5733AIPM (IC4029)



NJM2533M (TE2) (IC4022, IC4024, IC4025, IC4027)



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B
—
1-675-781-11

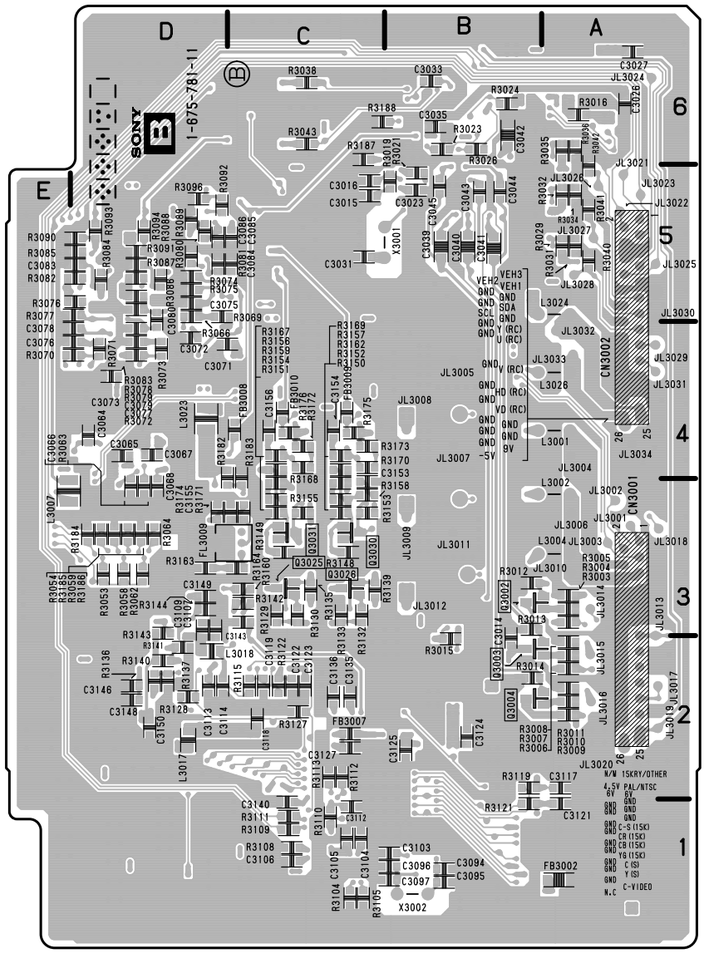
D3001 B-2

IC3001 B-5
IC3002 B-3
IC3004 B-3
IC3005 B-6
IC3006 B-5
IC3007 C-6
IC3008 D-6
IC3010 D-4
IC3011 D-1
IC3012 B-1
IC3013 C-2
IC3014 B-1

Q3001 B-3
Q3002 * B-3
Q3003 * B-2
Q3004 * B-2
Q3005 B-3
Q3006 B-2
Q3007 A-5
Q3008 A-5
Q3009 A-6
Q3010 D-5
Q3011 D-4
Q3012 D-4
Q3013 C-5
Q3014 C-5
Q3015 D-5
Q3015 C-5
Q3017 D-5
Q3018 D-5
Q3019 D-5
Q3020 D-5
Q3021 D-5
Q3022 D-5
Q3023 C-1
Q3024 D-2
Q3025 * C-3
Q3026 * C-3
Q3027 D-2
Q3029 C-3
Q3030 * C-3
Q3031 * C-3
Q3032 C-3
Q3033 B-4
Q3034 D-3
Q3035 C-4
Q3036 C-4
Q3037 C-3
Q3038 B-5
Q3038 C-4
Q3040 C-4
Q3041 C-4
Q3042 B-5
Q3043 D-3

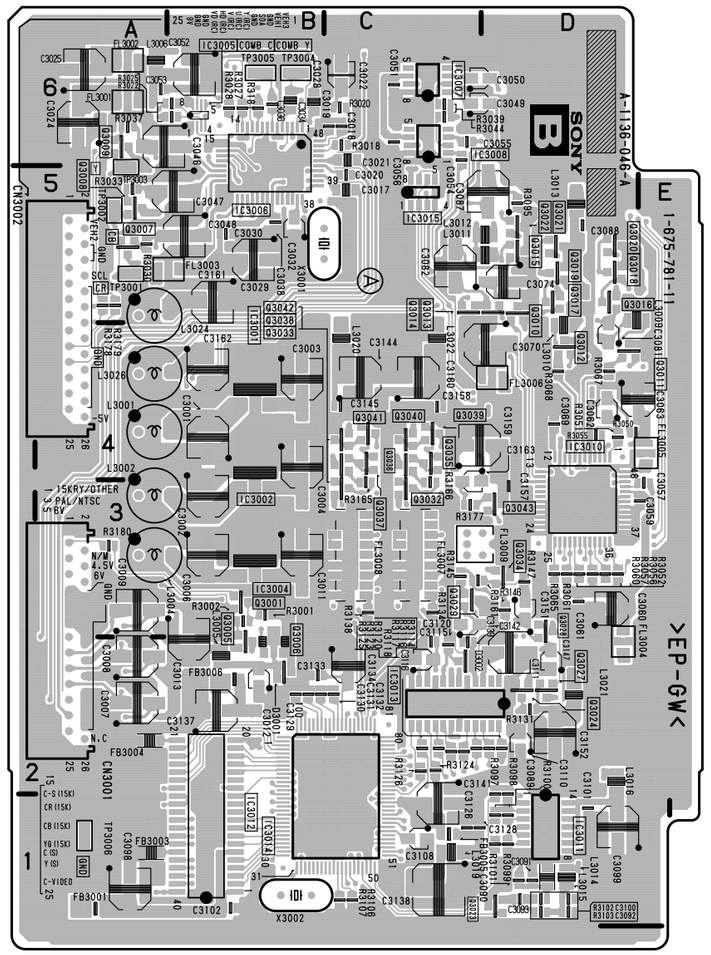
TP3001 A-5
TP3002 A-5
TP3003 A-5
TP3004 B-6
TP3005 B-6
TP3006 A-1

*:B Side mount



B – B SIDE –

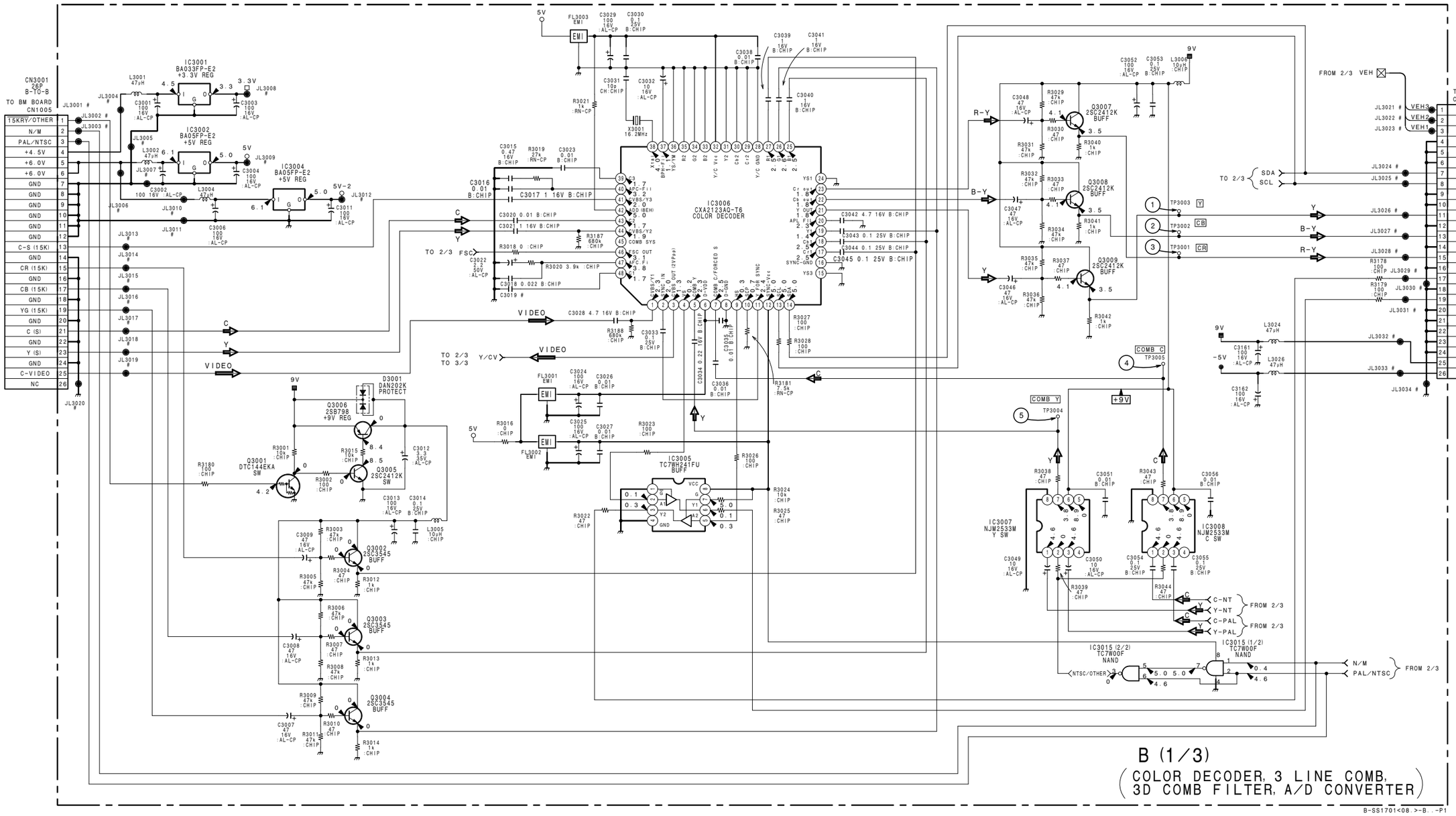
SUFFIX ; -11



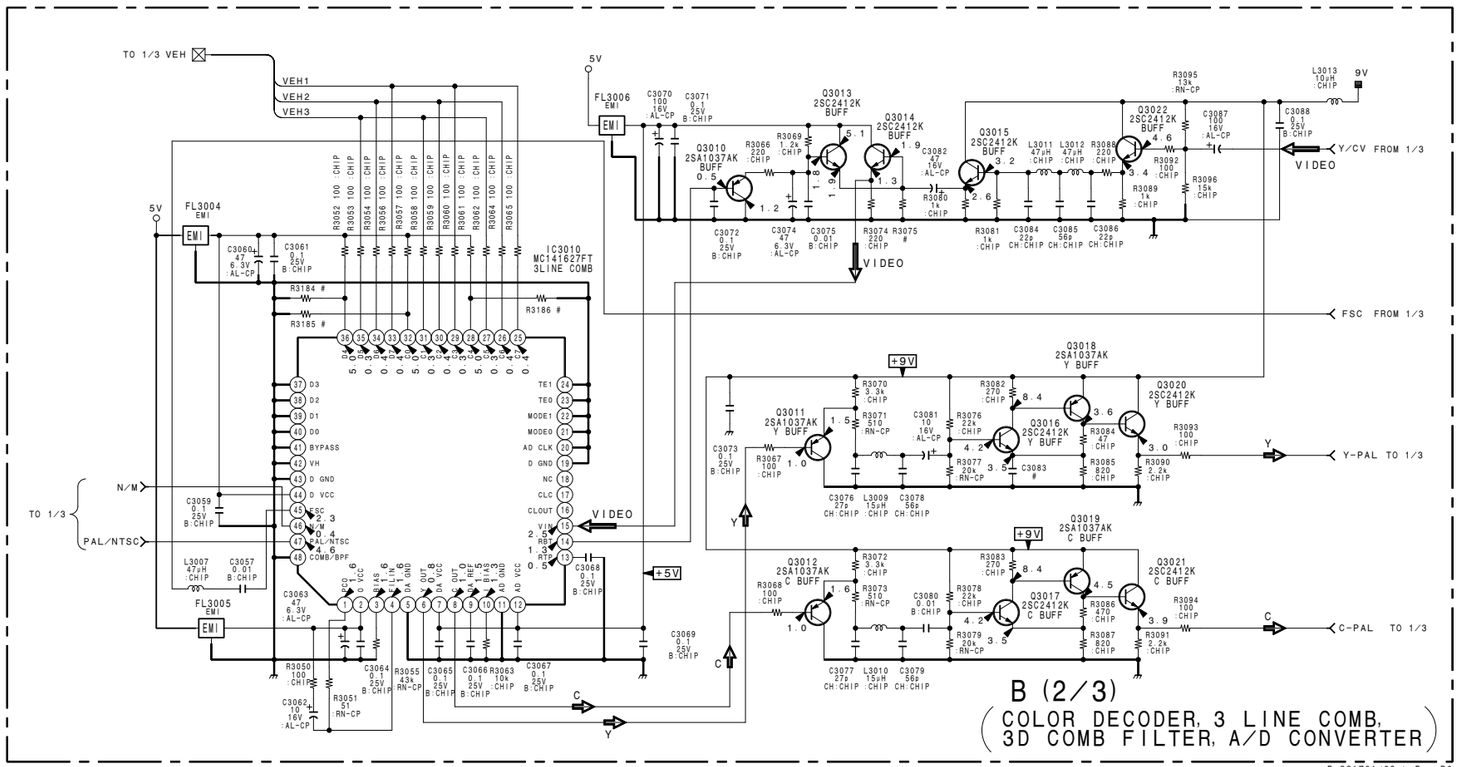
B – A SIDE –

SUFFIX ; -11

- Refer to page 8-11 for Printed Wiring Board
- Refer to page 8-13 for Waveforms
- Refer to page 8-13 for IC Block Diagrams



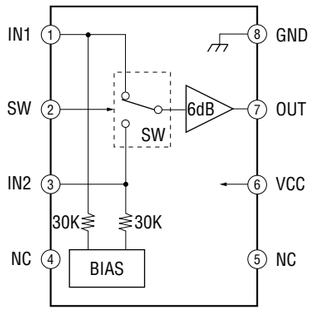
- Refer to page 8-11 for Printed Wiring Board
- Refer to page 8-13 for Waveforms
- Refer to page 8-13 for IC Block Diagrams



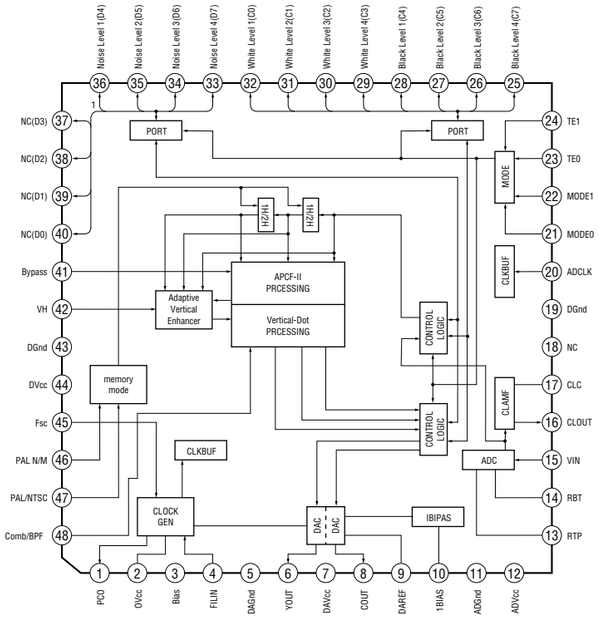
B Board Waveforms

① 1Vp-p TP3003 Y	② 1Vp-p TP3002 CB
③ 1Vp-p TP3001 CR	④ 0.7Vp-p TP3005 COMB C
⑤ 0.9Vp-p TP3004 COMB Y	

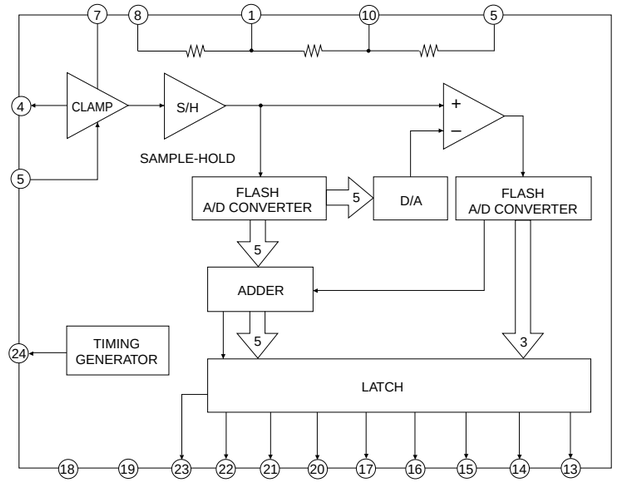
NJM2533M (TE2) (IC3007, IC3006)



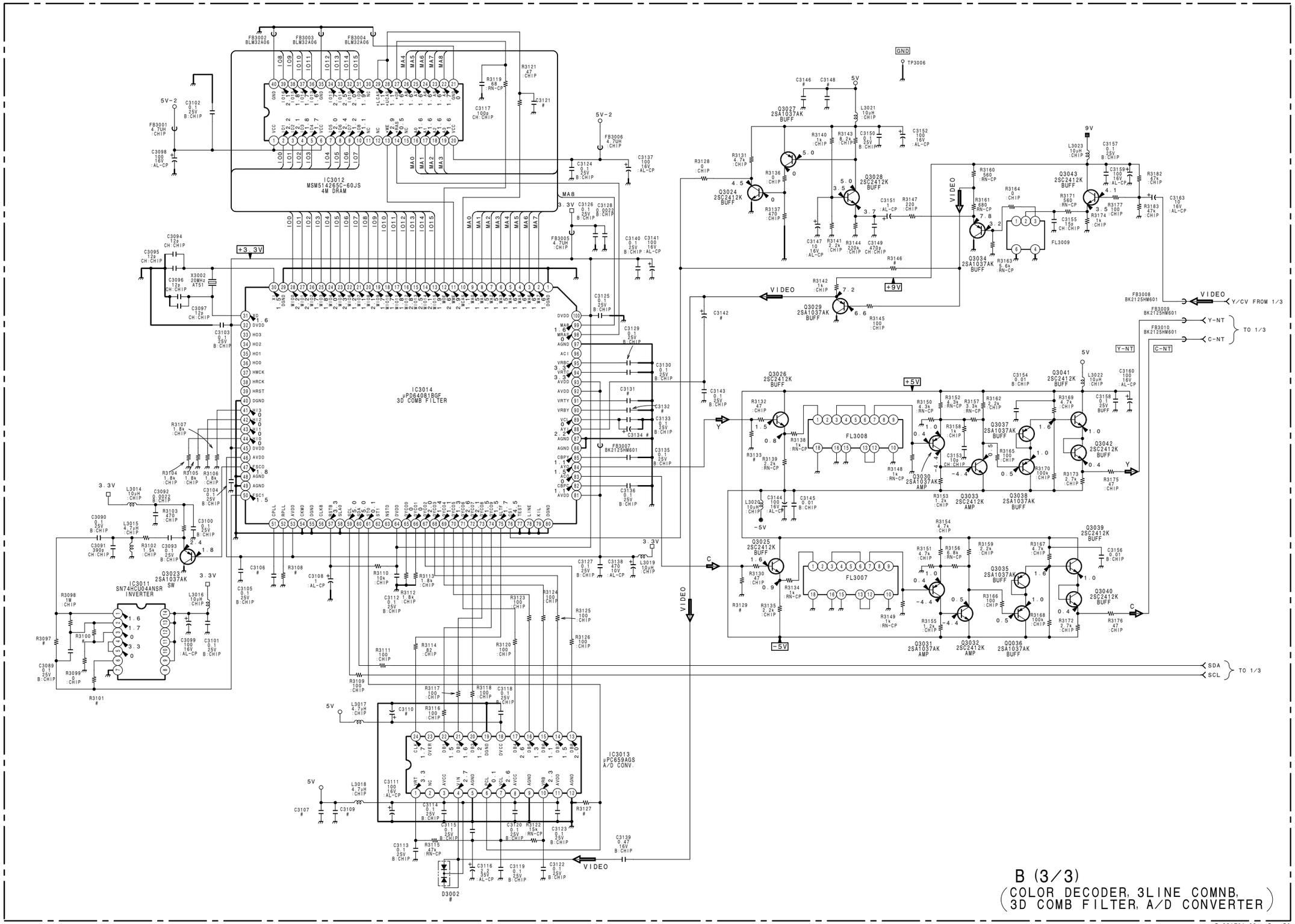
MC141627FT (IC3010)



UPC659AGS-E2 (IC3013)

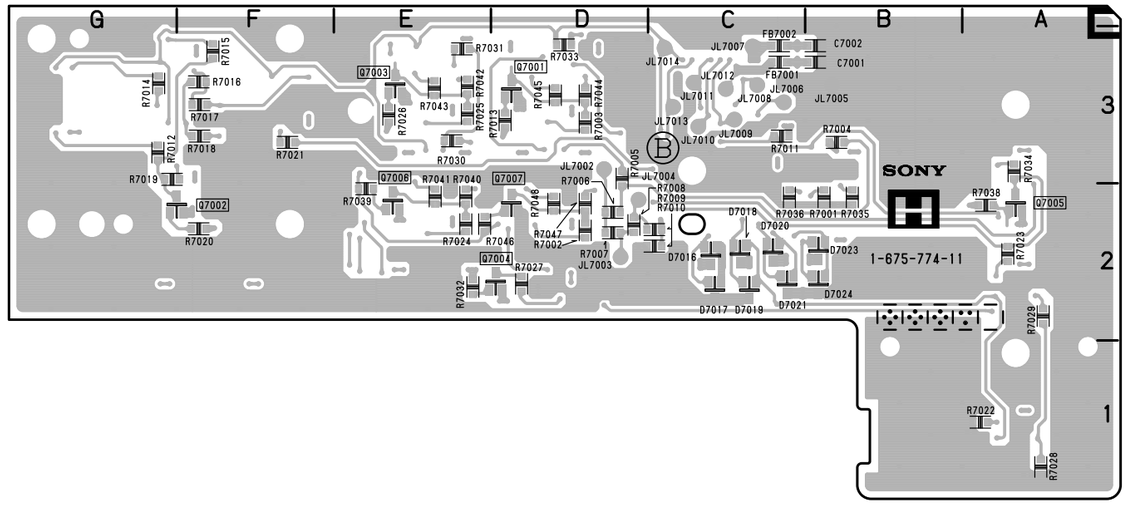


- Refer to page 8-11 for Printed Wiring Board
- Refer to page 8-13 for Waveforms
- Refer to page 8-13 for IC Block Diagrams



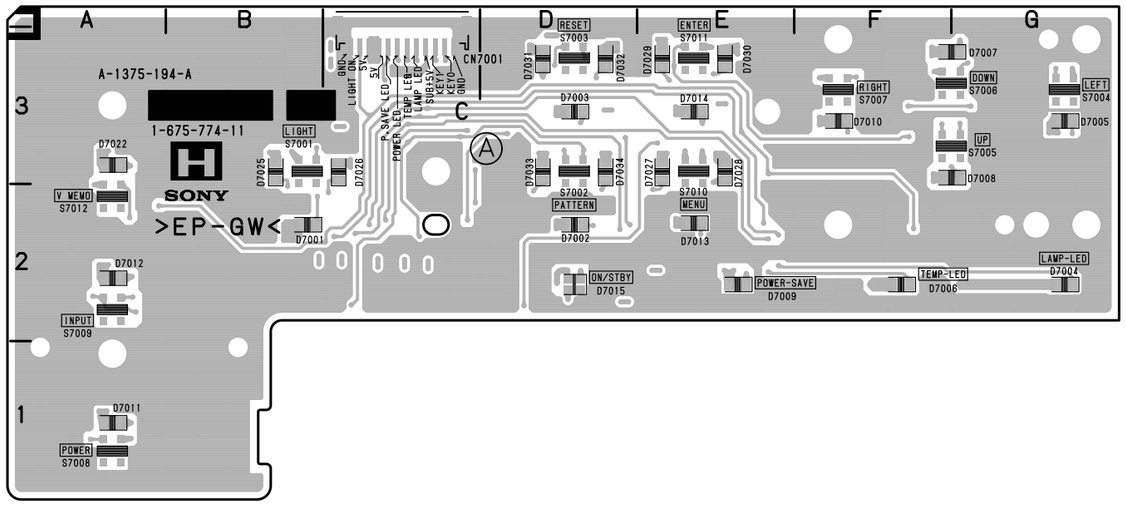
B (3/3)
(COLOR DECODER, 3LINE COMNB, 3D COMB FILTER, A/D CONVERTER)

B-SS1701<08.>-B.-P3



H – B SIDE –

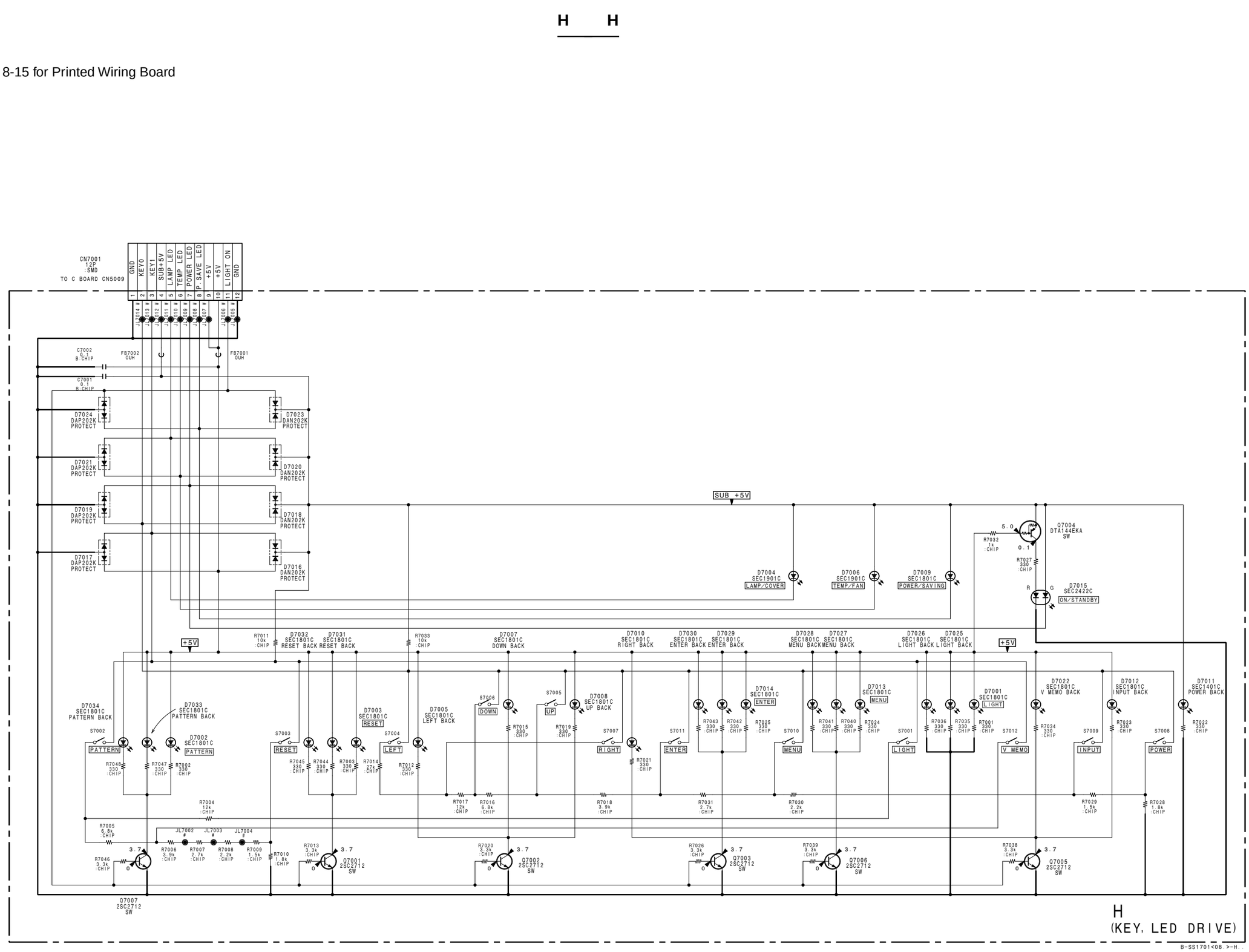
SUFFIX ; -11

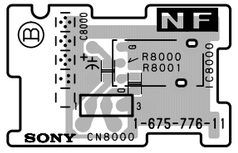


H – A SIDE –

SUFFIX ; -11

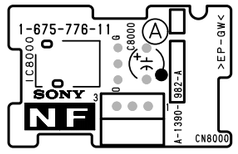
• Refer to page 8-15 for Printed Wiring Board





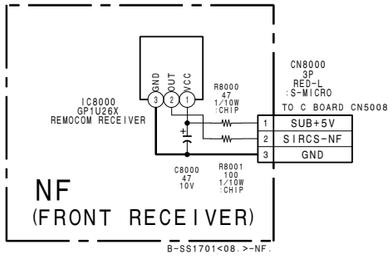
NF – B SIDE –

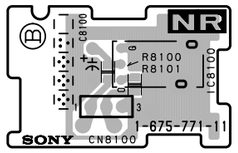
SUFFIX ; -11



NF – A SIDE –

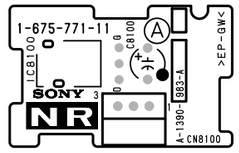
SUFFIX ; -11





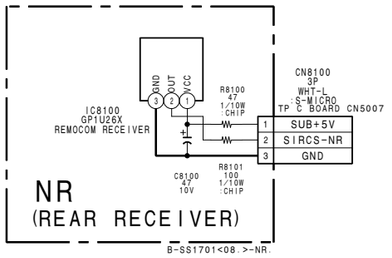
NR – B SIDE –

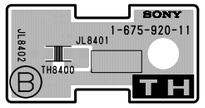
SUFFIX ; -11



NR – A SIDE –

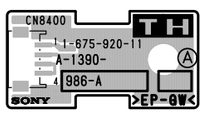
SUFFIX ; -11





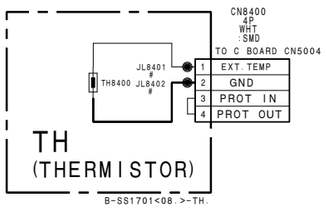
TH – B SIDE –

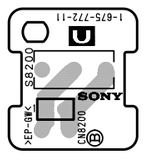
SUFFIX ; -11



TH – A SIDE –

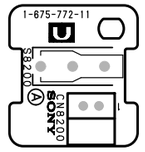
SUFFIX ; -11





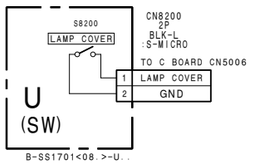
U – B SIDE –

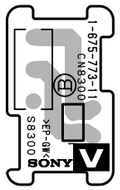
SUFFIX ; -11



U – A SIDE –

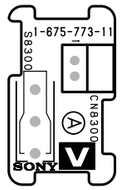
SUFFIX ; -11





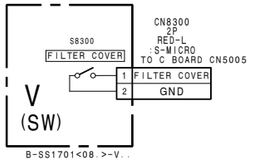
V – B SIDE –

SUFFIX ; -11



V – A SIDE –

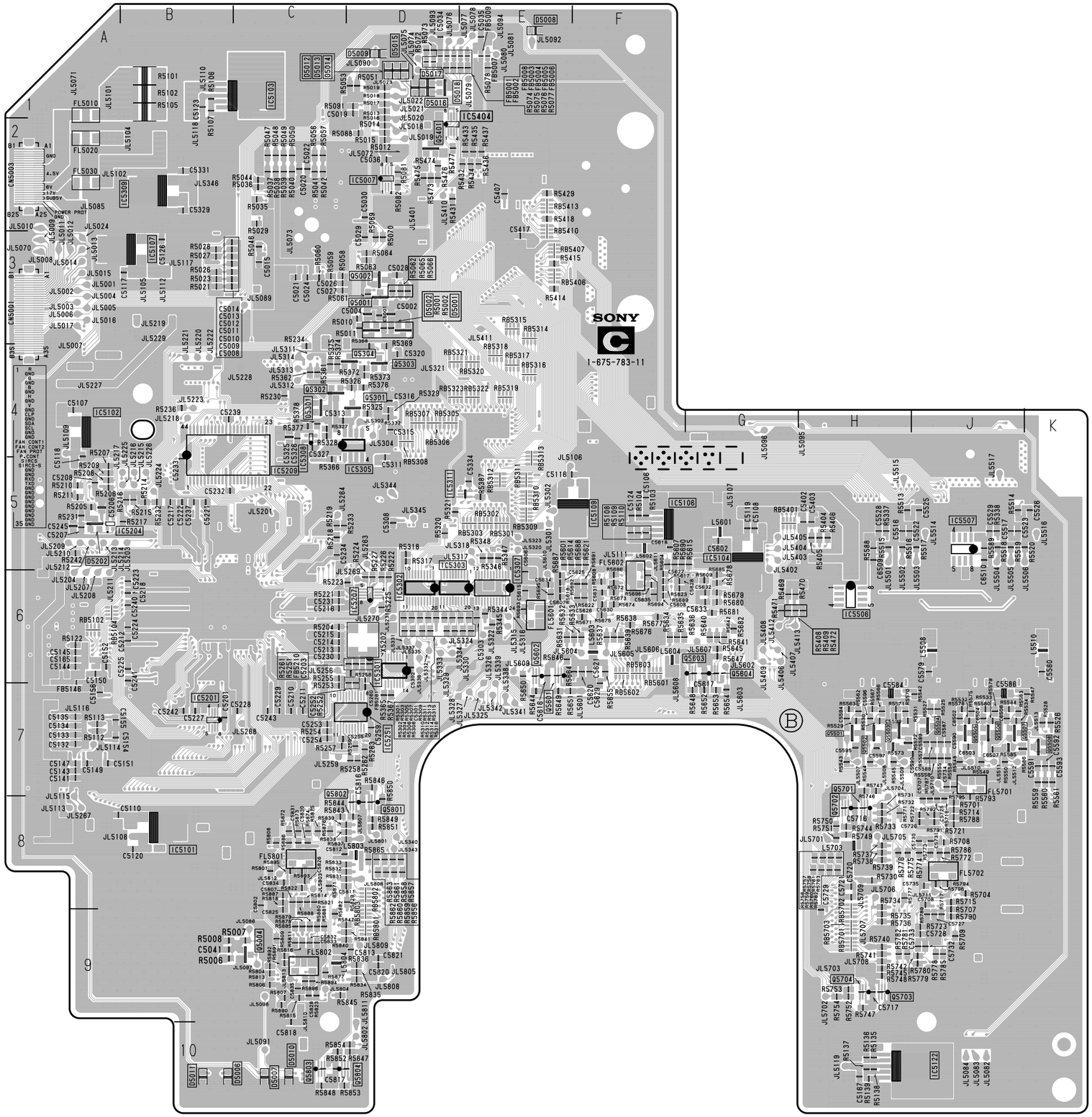
SUFFIX ; -11



C

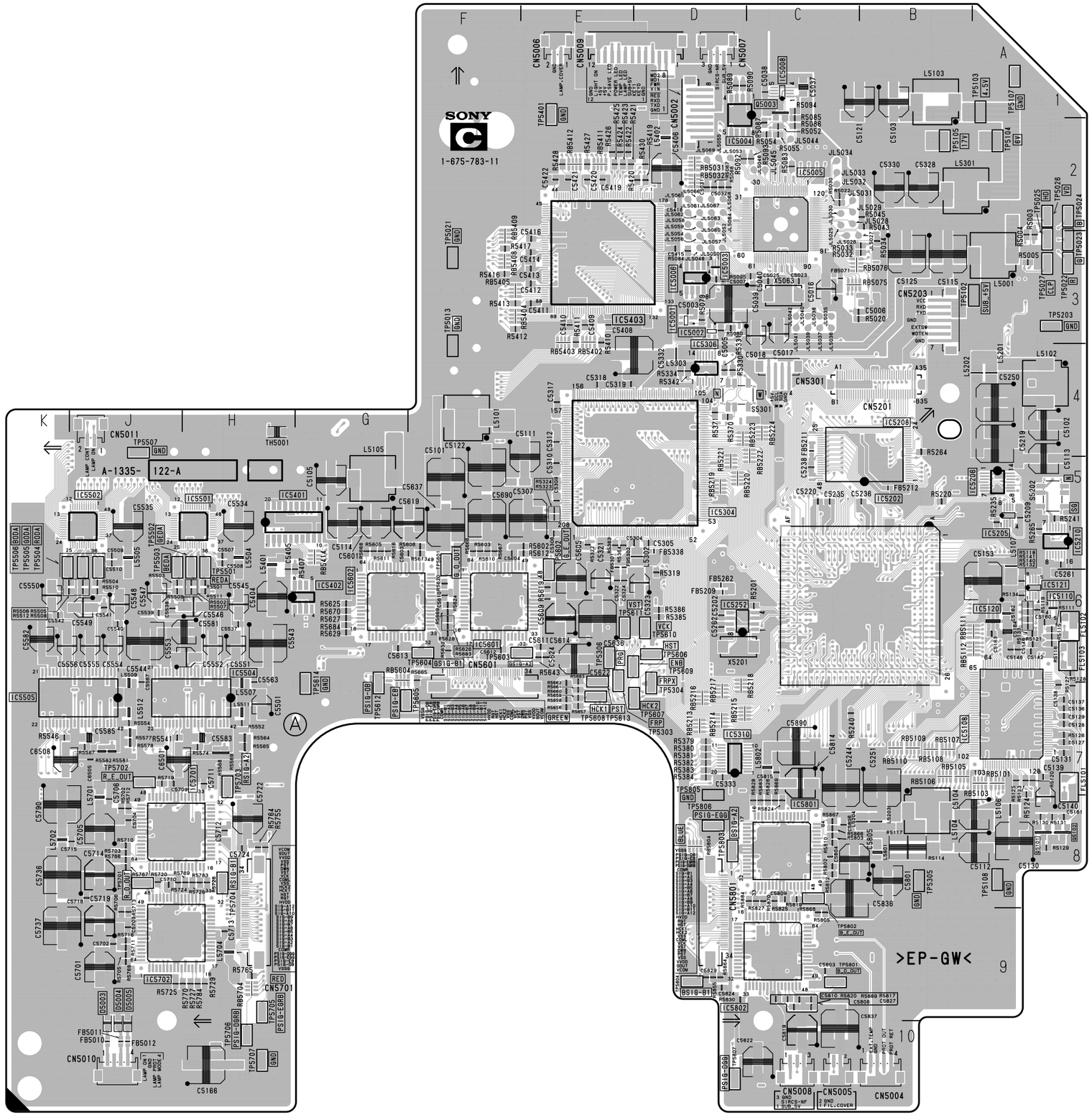
1-675-783-11

D5001	*D-3	Q5602	*E-6	IC5207	B-5	TP5507	J-4
D5002	*D-3	Q5603	*G-6	IC5207	*D-6	TP5603	F-6
D5006	*B-10	Q5604	*G-6	IC5208	B-4	TP5604	F-6
D5009	*D-1	Q5701	*H-7	IC5210	A-5	TP5606	D-6
D5011	*B-10	Q5702	*H-8	IC5251	*D-7	TP5607	D-7
D5012	*C-1	Q5703	*H-9	IC5252	D-6	TP5608	E-7
D5013	*C-1	Q5704	*H-9	IC5301	*D-6	TP5610	D-6
D5014	*C-1	Q5801	*D-8	IC5302	*D-6	TP5611	E-6
D5015	*D-1	Q5802	*C-2	IC5303	*D-6	TP5612	G-7
D5016	*D-1			IC5304	D-5	TP5613	E-7
D5018	*D-1	TP5001	F-5	IC5305	*D-5	TP5701	J-8
D5202	*A-5	TP5013	F-4	IC5306	D-4	TP5702	J-7
		TP5021	F-3	IC5307	*E-6	TP5703	H-7
IC5001	D-3	TP5022	A-3	IC5308	*A-2	TP5704	H-8
IC5002	D-3	TP5023	A-3	IC5310	D-7	TP5705	H-9
IC5003	D-3	TP5024	A-2	IC5311	*D-5	TP5706	H-10
IC5004	D-2	TP5025	A-3	IC5401	H-5	TP5707	H-10
IC5005	C-2	TP5026	A-2	IC5402	G-6	TP5801	C-9
IC5006	D-3	TP5027	A-3	IC5403	E-3	TP5802	C-8
IC5007	*D-2	TP5102	A-3	IC5404	*E-2	TP5802	E-5
IC5008	C-1	TP5103	A-1	IC5501	H-5	TP5803	D-8
IC5101	*B-8	TP5104	A-2	IC5502	J-5	TP5804	D-9
IC5102	*A-4	TP5105	B-2	IC5504	H-6	TP5805	D-7
IC5102	*B-3	TP5107	A-1	IC5505	K-7	TP5805	F-7
IC5103	*C-1	TP5108	A-8	IC5507	*J-5	TP5806	D-8
IC5104	*G-5	TP5303	D-7	IC5508	*H-6	TP5807	D-10
IC5108	*F-5	TP5304	D-7	IC5602	G-6	TP5814	G-7
IC5109	*F-5	TP5305	B-8	IC5701	H-7		
IC5110	A-6	TP5306	E-6	IC5702	J-9	*:B Side mount	
IC5120	A-6	TP5401	E-1	IC5801	C-8		
IC5121	A-6	TP5501	H-6	IC5801	F-6		
IC5122	*J-10	TP5502	J-5	IC5802	D-9		
IC5201	*B-7	TP5503	J-6				
IC5204	*A-5	TP5504	J-6	Q5001	*D-3		
IC5205	A-5	TP5505	J-6	Q5002	*D-3		
IC5206	A-5	TP5506	J-6	Q5003	C-1		
IC5207	B-5	TP5507	J-4	Q5003	J-9		
IC5207	*D-6	TP5603	F-6	Q5004	J-9		
IC5208	B-4	TP5604	F-6	Q5005	J-9		
IC5210	A-5	TP5606	D-6	Q5017	*D-1		
IC5251	*D-7	TP5607	D-7	Q5101	A-8		
IC5252	D-6	TP5608	E-7	Q5102	A-8		
IC5301	*D-6	TP5610	D-6	Q5301	*D-4		
IC5302	*D-6	TP5611	E-6	Q5303	*D-4		
IC5303	*D-6	TP5612	G-7	Q5304	*D-4		
IC5304	D-5	TP5613	E-7	Q5401	*D-2		
IC5305	*D-5	TP5701	J-8	Q5501	*H-7		
IC5306	D-4	TP5702	J-7	Q5502	*H-7		
IC5307	*E-6	TP5703	H-7	Q5503	*H-7		
IC5308	*A-2	TP5704	H-8	Q5504	*J-7		
IC5310	D-7	TP5705	H-9	Q5505	*J-7		
IC5311	*D-5	TP5706	H-10	Q5506	*K-7		
IC5401	H-5	TP5707	H-10	Q5507	*K-7		
IC5402	G-6	TP5801	C-9	Q5508	*J-7		
IC5403	E-3	TP5802	C-8	Q5601	*E-7		
IC5404	*E-2	TP5802	E-5				
IC5501	H-5	TP5803	D-8				
IC5502	J-5	TP5804	D-9				
IC5504	H-6	TP5805	D-7				
IC5505	K-7	TP5805	F-7				
IC5507	*J-5	TP5806	D-8				
IC5508	*H-6	TP5807	D-10				
IC5602	G-6	TP5814	G-7				
IC5701	H-7						
IC5702	J-9	*:B Side mount					
IC5801	C-8						
IC5801	F-6						
IC5802	D-9						



C – B SIDE –

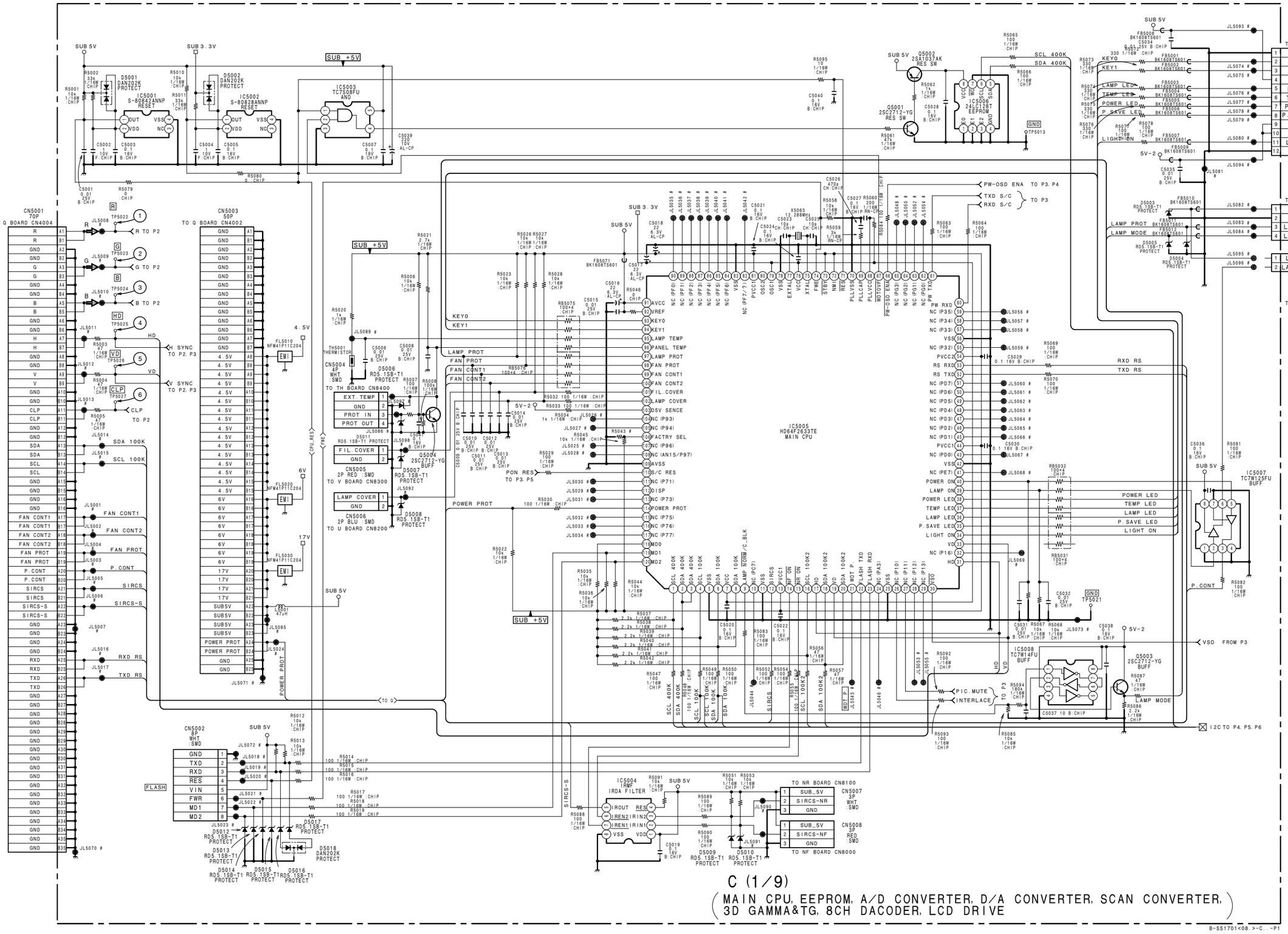
SUFFIX ; -11



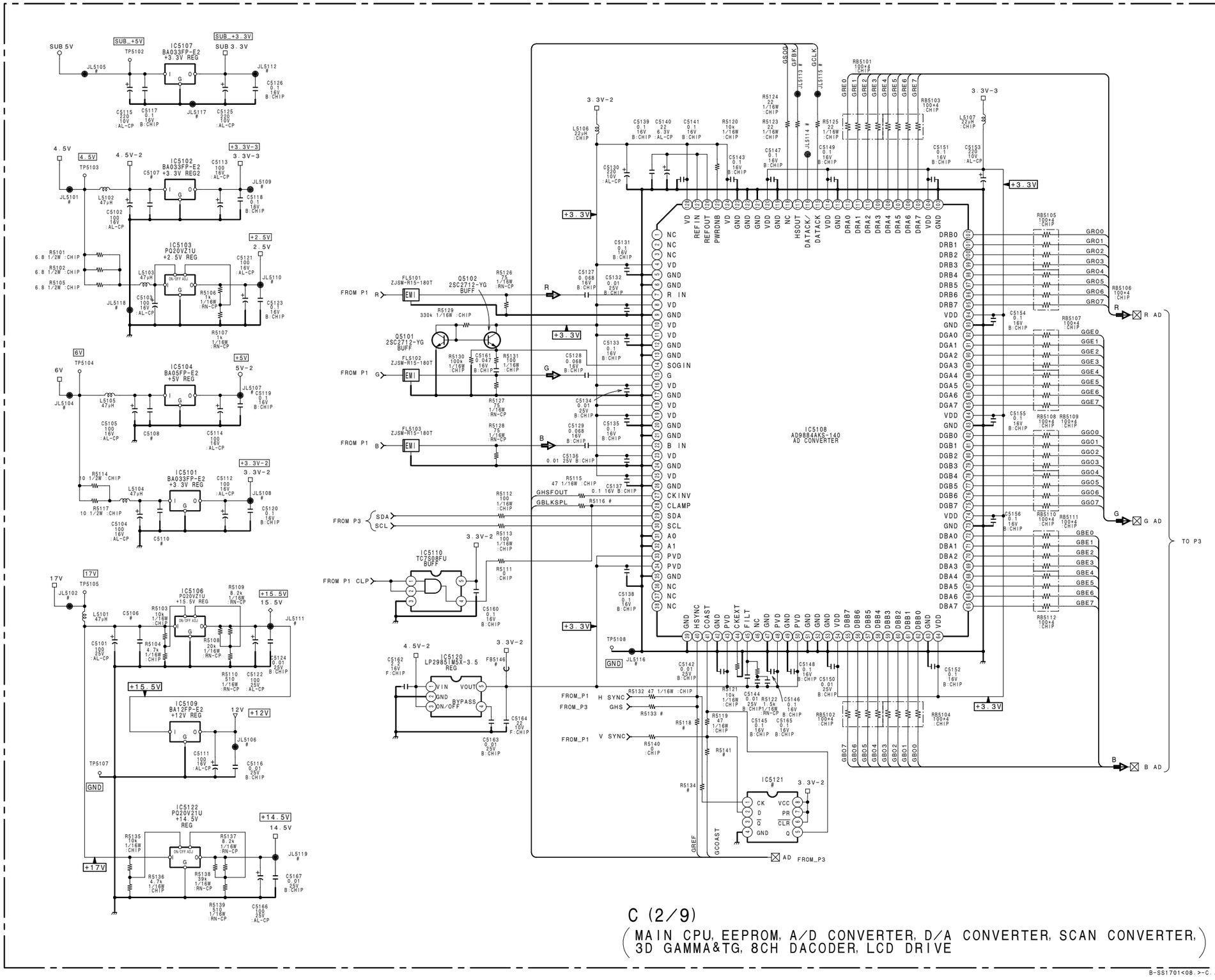
C – A SIDE –

SUFFIX ; -11

- Refer to page 8-18 for Printed Wiring Board
- Refer to page 8-29 for Waveforms
- Refer to page 8-29 for IC Block Diagrams



- Refer to page 8-18 for Printed Wiring Board
- Refer to page 8-29 for Waveforms
- Refer to page 8-29 for IC Block Diagrams

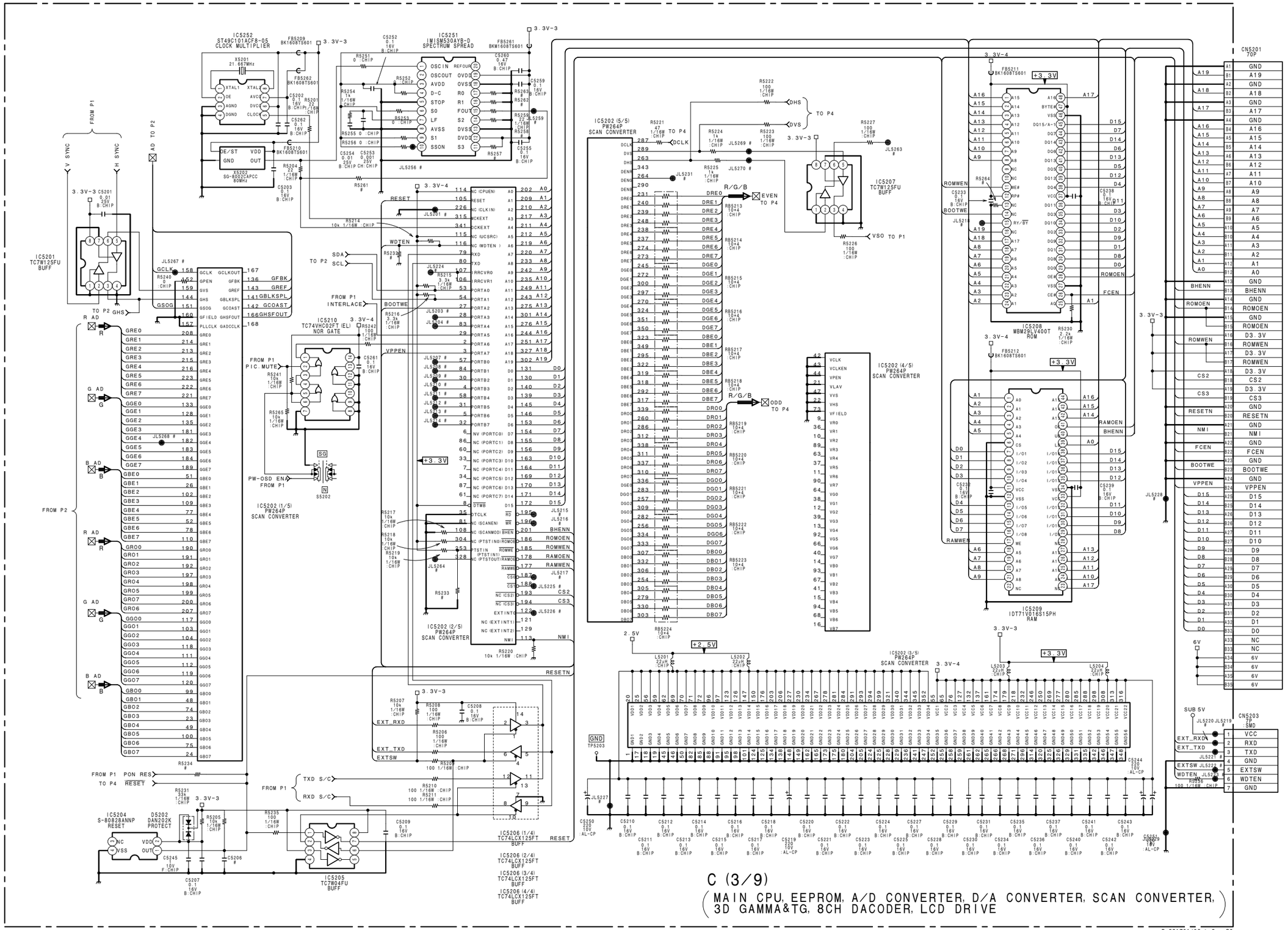


C (2/9)

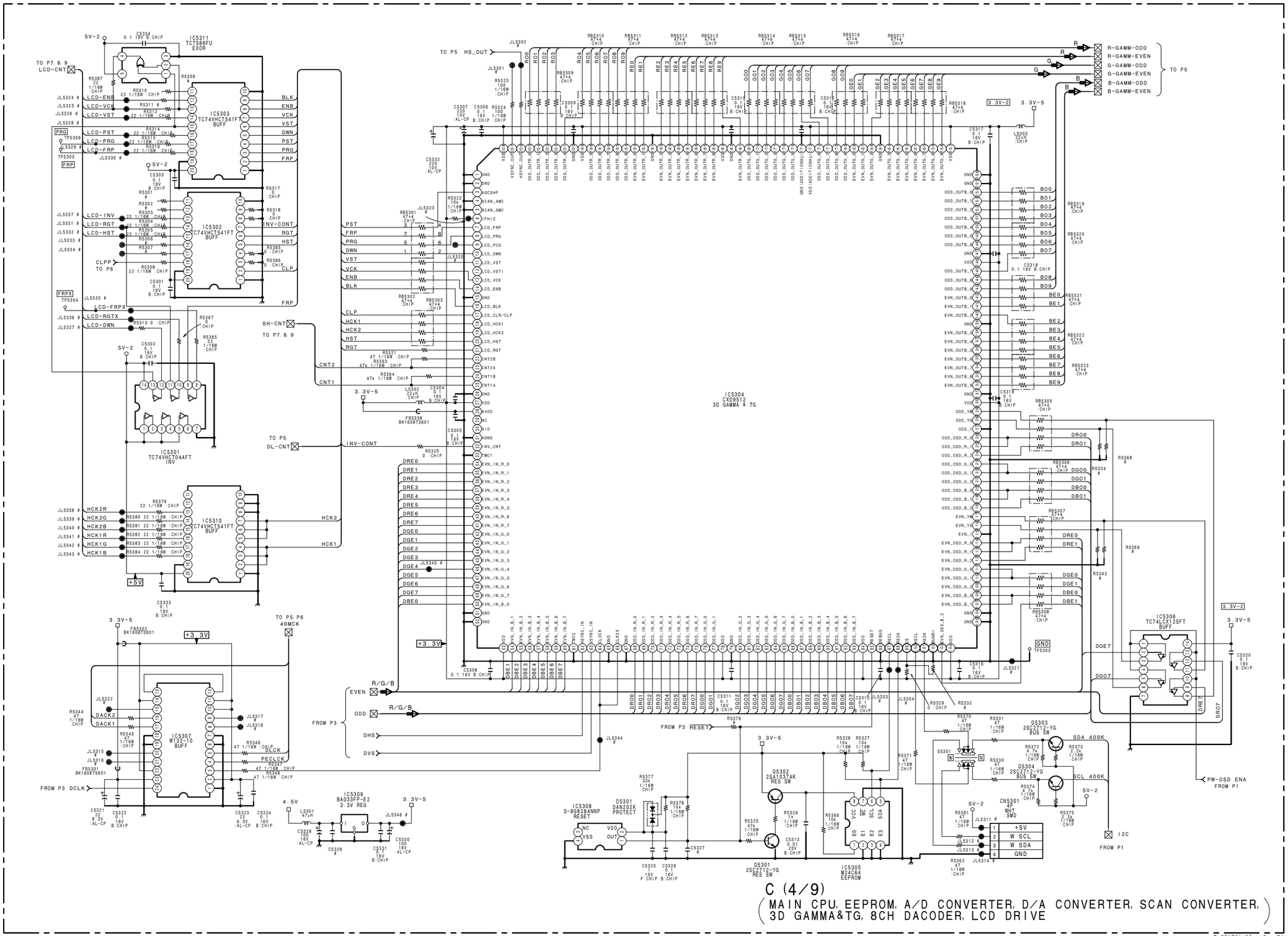
(MAIN CPU, EEPROM, A/D CONVERTER, D/A CONVERTER, SCAN CONVERTER, 3D GAMMA&TG, 8CH DACODER, LCD DRIVE)

B-SS1701<08.>-C..-P2

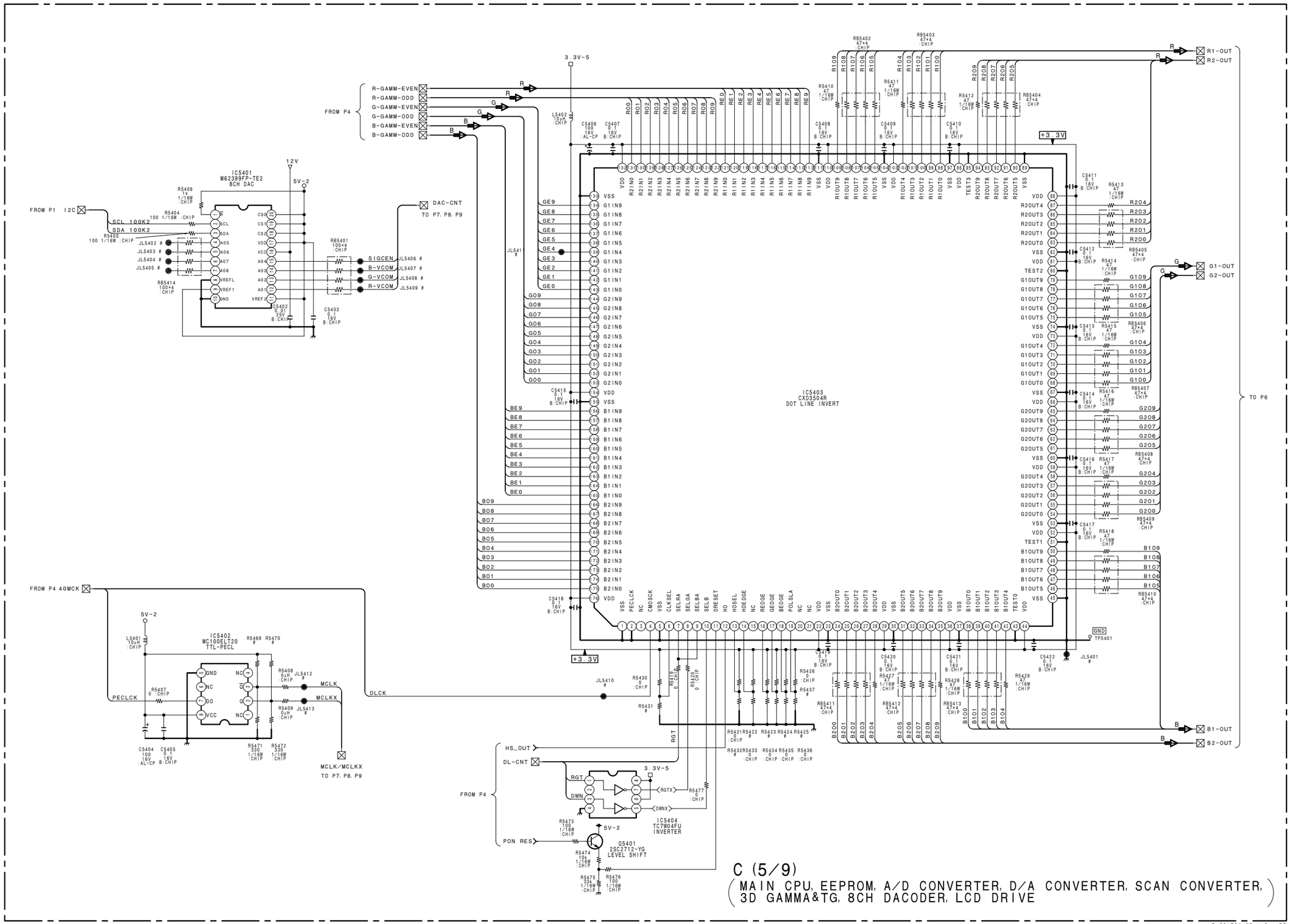
- Refer to page 8-18 for Printed Wiring Board
- Refer to page 8-29 for Waveforms
- Refer to page 8-29 for IC Block Diagrams



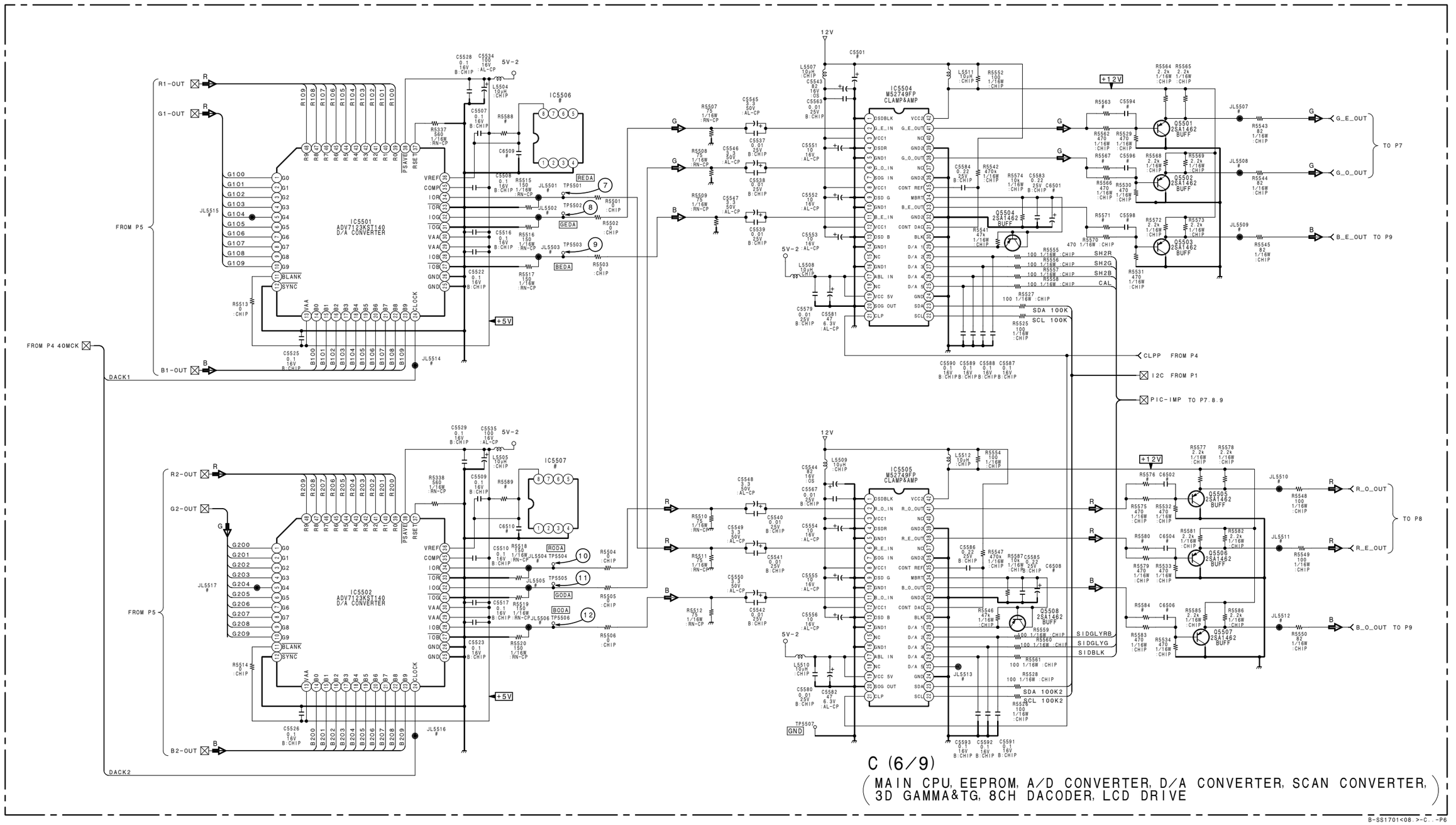
- Refer to page 8-18 for Printed Wiring Board
- Refer to page 8-29 for Waveforms
- Refer to page 8-29 for IC Block Diagrams



- Refer to page 8-18 for Printed Wiring Board
- Refer to page 8-29 for Waveforms
- Refer to page 8-29 for IC Block Diagrams

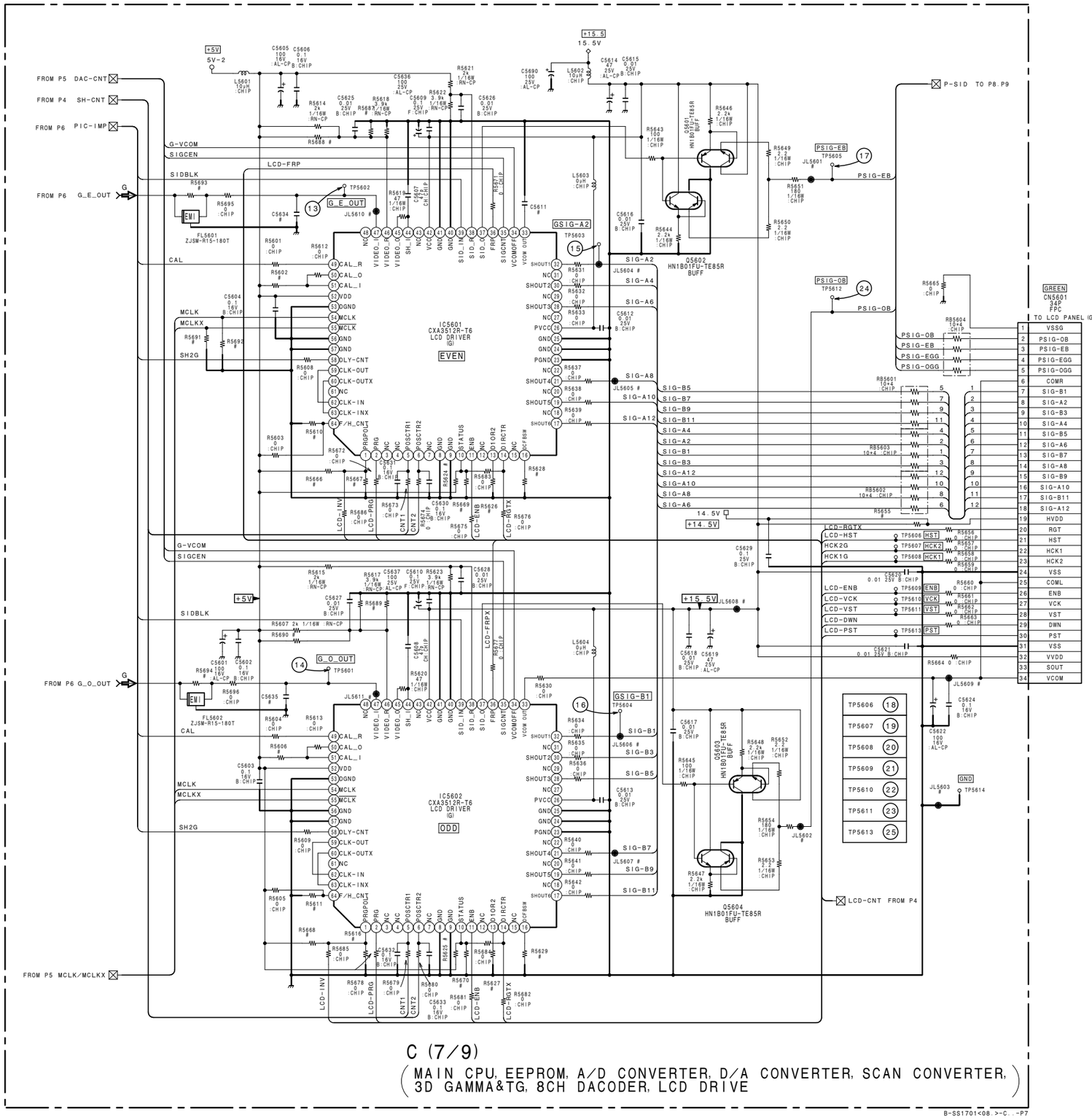


- Refer to page 8-18 for Printed Wiring Board
- Refer to page 8-29 for Waveforms
- Refer to page 8-29 for IC Block Diagrams



B-SS1701<08.>-C..-P6

- Refer to page 8-18 for Printed Wiring Board
- Refer to page 8-29 for Waveforms
- Refer to page 8-29 for IC Block Diagrams

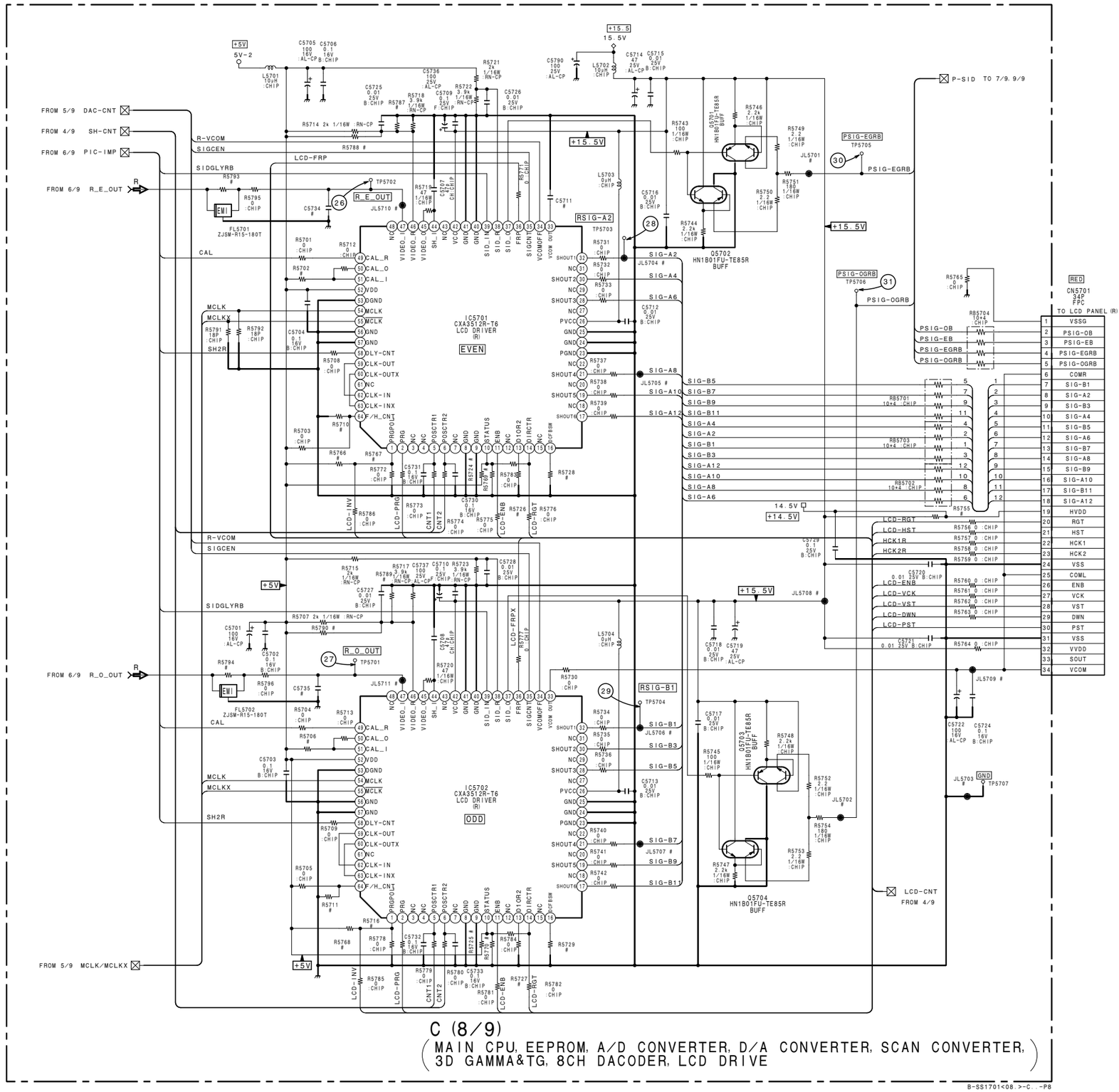


C (7/9)

(MAIN CPU, EEPROM, A/D CONVERTER, D/A CONVERTER, SCAN CONVERTER, 3D GAMMA&TG, 8CH DACODER, LCD DRIVE)

B-SS1701<08.>-C...-P7

- Refer to page 8-18 for Printed Wiring Board
- Refer to page 8-29 for Waveforms
- Refer to page 8-29 for IC Block Diagrams

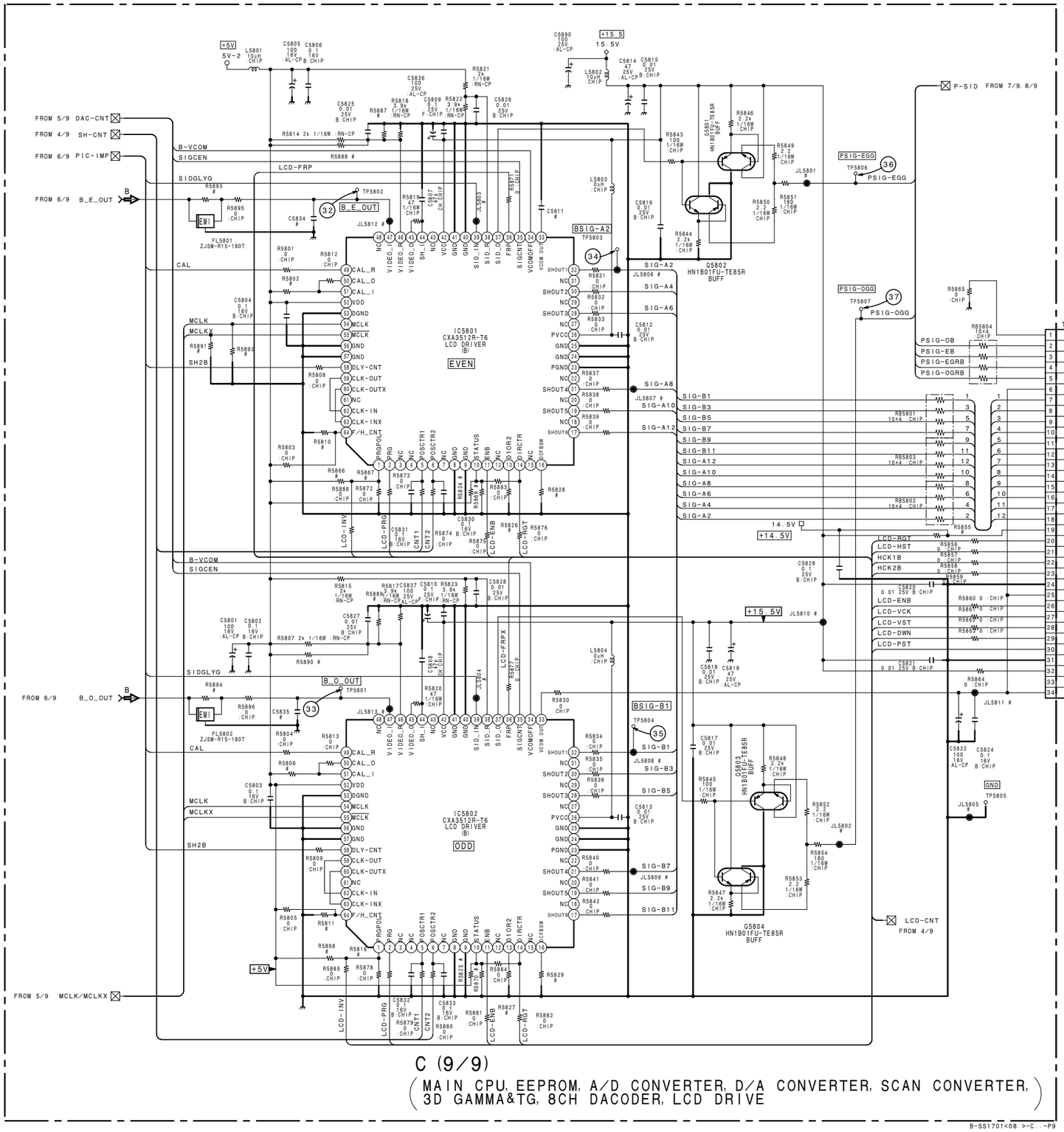


C (8/9)

(MAIN CPU, EEPROM, A/D CONVERTER, D/A CONVERTER, SCAN CONVERTER, 3D GAMMA&TG, 8CH DACODER, LCD DRIVE)

B-SS1701<08.>-C. -P8

- Refer to page 8-18 for Printed Wiring Board
- Refer to page 8-29 for Waveforms
- Refer to page 8-29 for IC Block Diagrams



C (9/9)

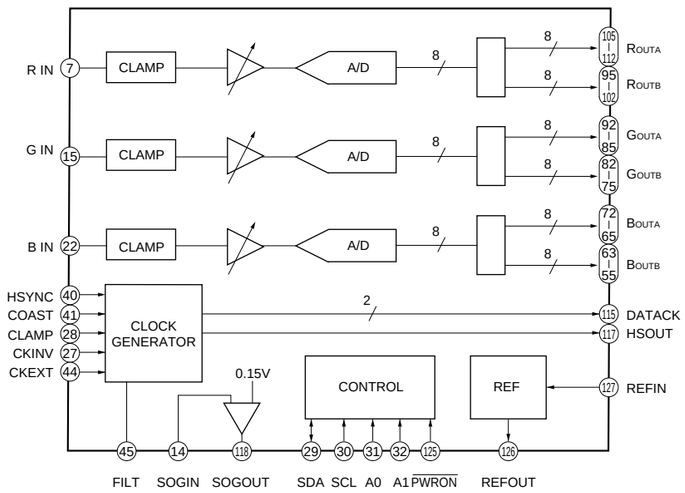
(MAIN CPU, EEPROM, A/D CONVERTER, D/A CONVERTER, SCAN CONVERTER, 3D GAMMA&TG, 8CH DACODER, LCD DRIVE)

B-SS1701<08.>-C..-P9

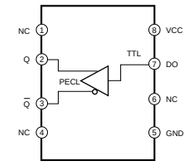
C Board Waveforms

① 0.5 Vp-p(H) TP5022 R	② 0.5 Vp-p TP5024 R	③ 0.5 Vp-p(H) TP5023 B	④ 3.3 Vp-p(H) TP5025 HD
⑤ 3.3 Vp-p(V) TP5026 VD	⑥ 3.4 Vp-p(H) TP5027 CLP	⑦ 0.8 Vp-p(H) TP5501 REDA	⑧ 0.7 Vp-p TP5502 GEDA
⑨ 0.8 Vp-p(H) TP5503 BEDA	⑩ 0.8 Vp-p(H) TP5504 RODA	⑪ 0.7 Vp-p(H) TP5505 GODA	⑫ 0.8 Vp-p(H) TP5506 BODA
⑬ 1.5 Vp-p(H) TP5602 G E OUT	⑭ 1.5 Vp-p(H) TP5601 R O OUT	⑮ 10.5 Vp-p(H) TP5603 GSIG-A2	⑯ 10.5 Vp-p(H) TP5604 GSIG-B1
⑰ 11.0 Vp-p(H) TP5605 PSIG-EB	⑱ 5.0 Vp-p(H) TP5606 HST	⑲ 5.4 Vp-p(H) TP5607 HCK2	⑳ 5.4 Vp-p(H) TP5608 HCK1
㉑ 5.6 Vp-p(H) TP5609 ENB	㉒ 5.0 Vp-p(V) TP5610 VCK	㉓ 5.0 Vp-p(V) TP5611 VST	㉔ 11.0 Vp-p(H) TP5613 PSIG-OB
㉕ 5.6 Vp-p(H) TP5613 PST	㉖ 1.5 Vp-p(H) TP5702 R E OUT	㉗ 1.5 Vp-p(H) TP5701 C O OUT	㉘ 10.5 Vp-p(H) TP5703 RSIG-A2
㉙ 10.5 Vp-p(H) TP5704 RSIG-B1	㉚ 11.0 Vp-p(H) TP5705 PSIG-EGRB	㉛ 11.0 Vp-p(H) TP5706 PSIG-OGRB	㉜ 1.5 Vp-p(H) TP5802 B E OUT
㉝ 1.5 Vp-p(H) TP5801 B O OUT	㉞ 10.5 Vp-p(H) TP5803 BSIG-A2	㉟ 10.5 Vp-p(H) TP5804 BSIG-B1	㊱ 11.0 Vp-p(H) TP5806 PSIG-EGG
㊲ 11.0 Vp-p(H) TP5807 PSIG-OGG			

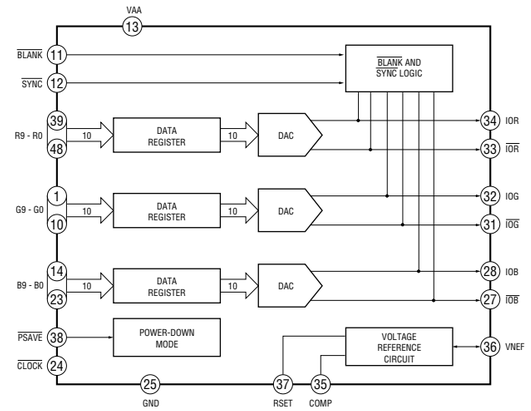
AD9884ASK-140 (IC5108)



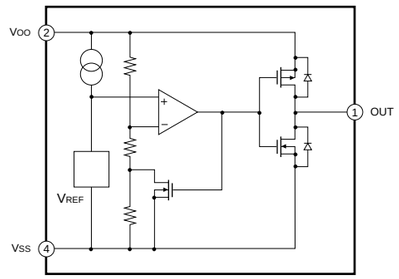
MC100ELT20DR2 (IC5402)



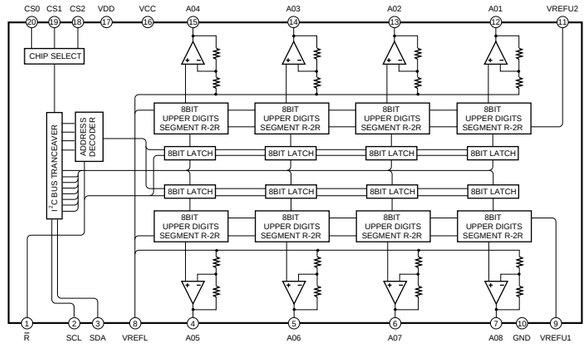
ADV7123KST140 (IC5501, IC5502)



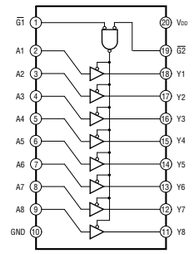
S-80828ANNP-EDR-T2 (IC5001, IC5002, IC5204, IC5308)

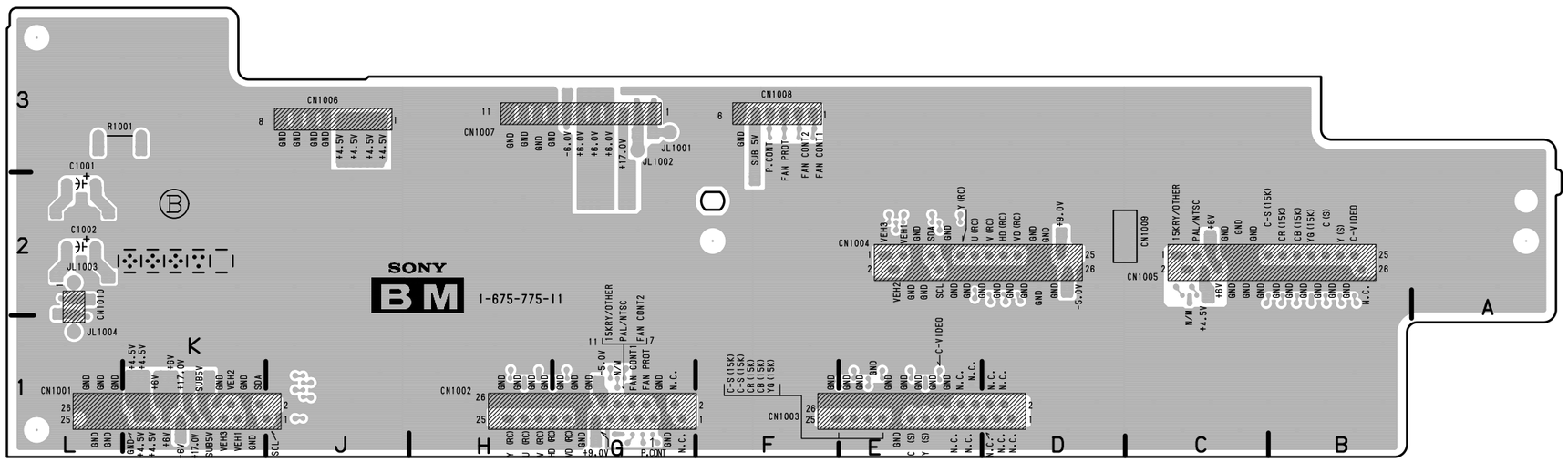


M62399FP-TE2 (IC5401)



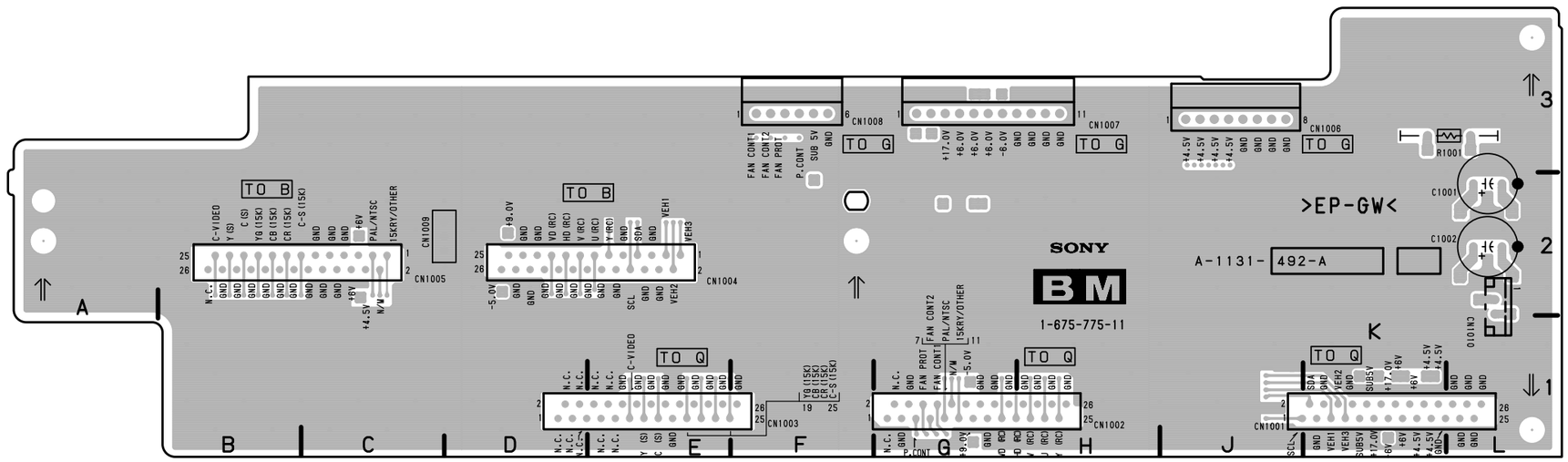
TC74VHCT541AFT (EL) (IC5302, 5303, 5310)





BM – B SIDE –

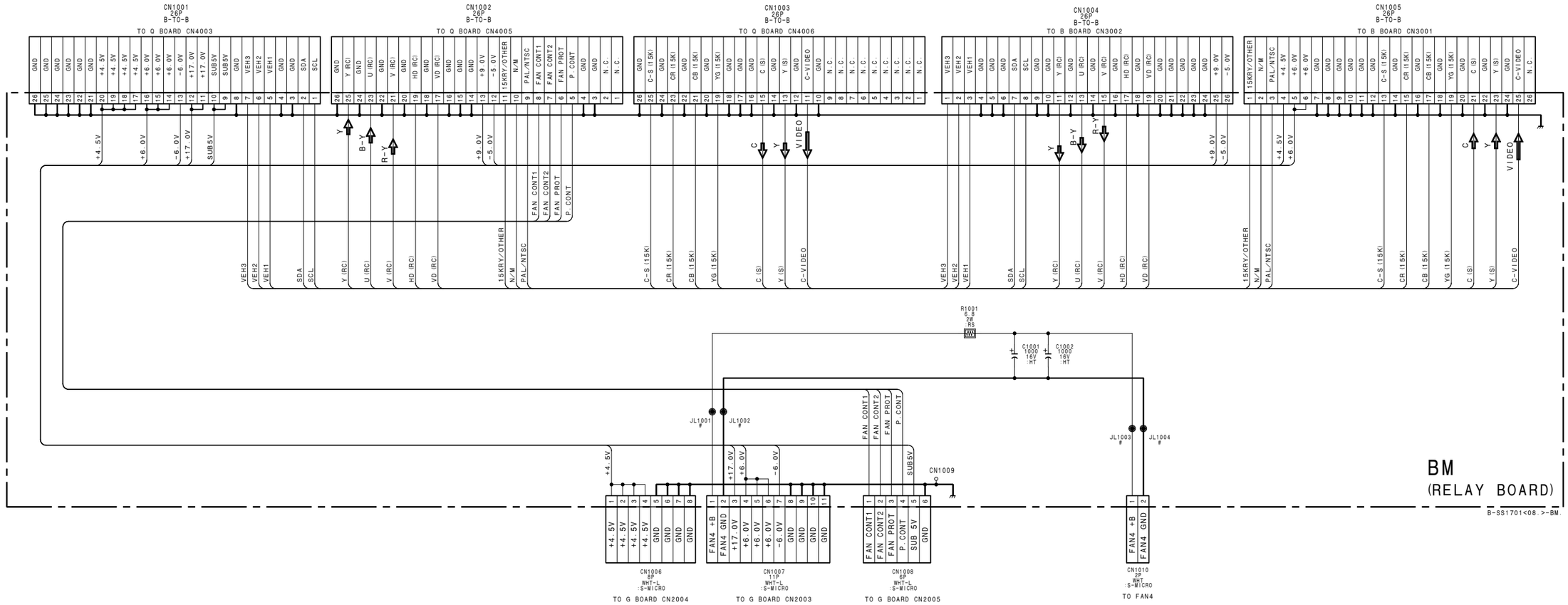
SUFFIX ; -11

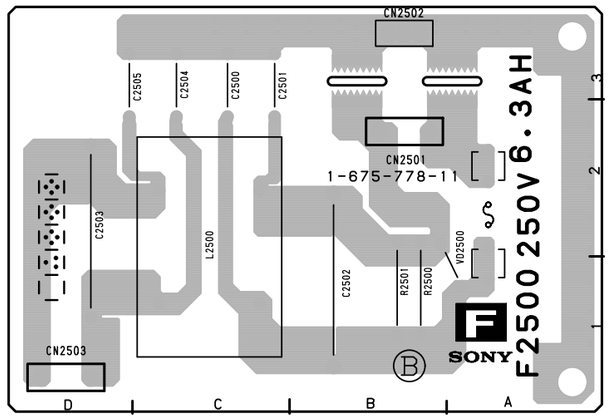


BM – A SIDE –

SUFFIX ; -11

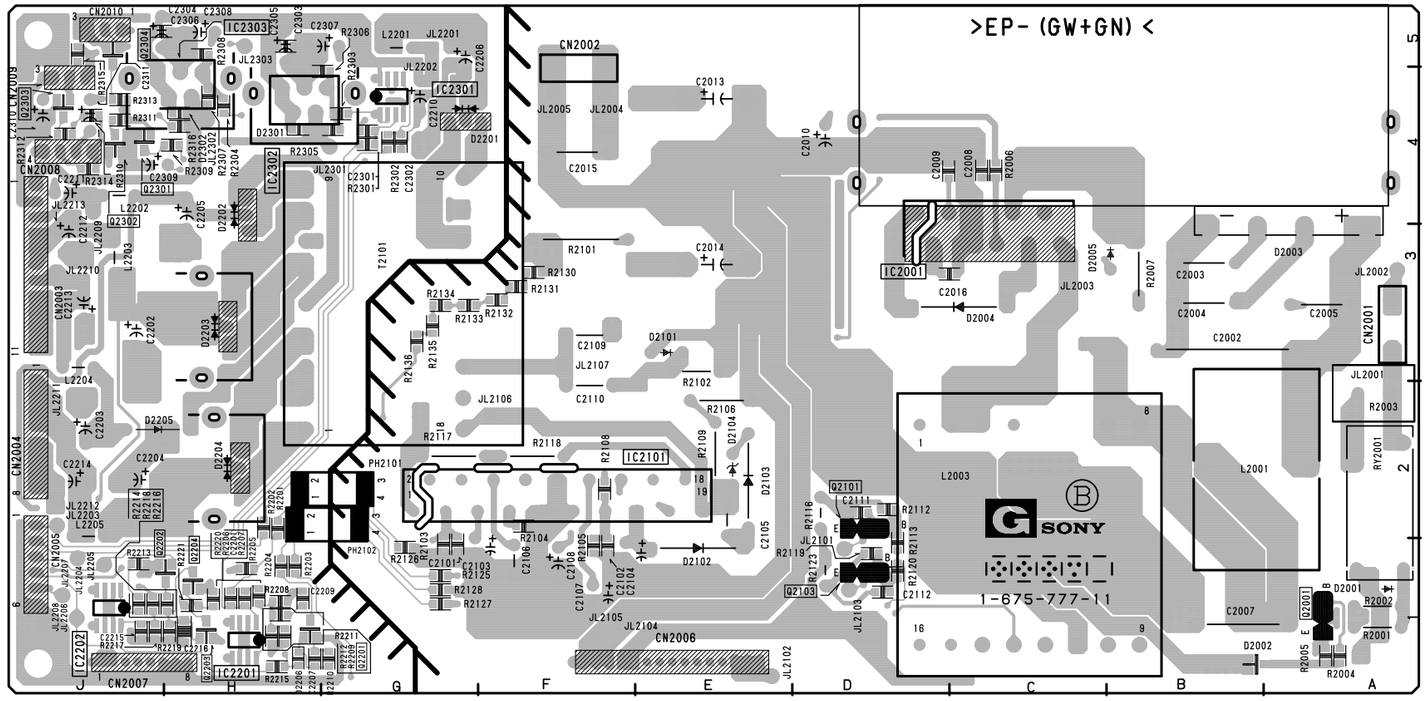
• Refer to page 8-30 for Printed Wiring Board





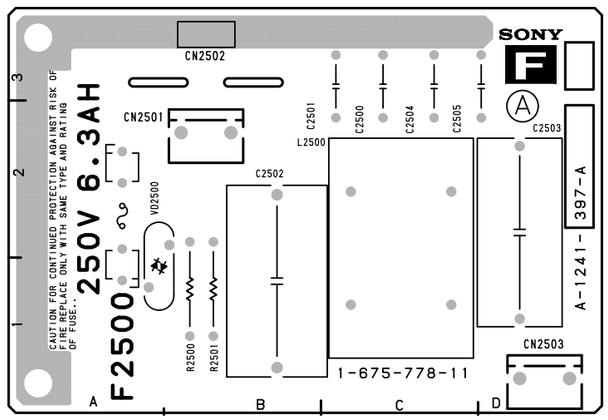
F – B SIDE –

SUFFIX ; -11



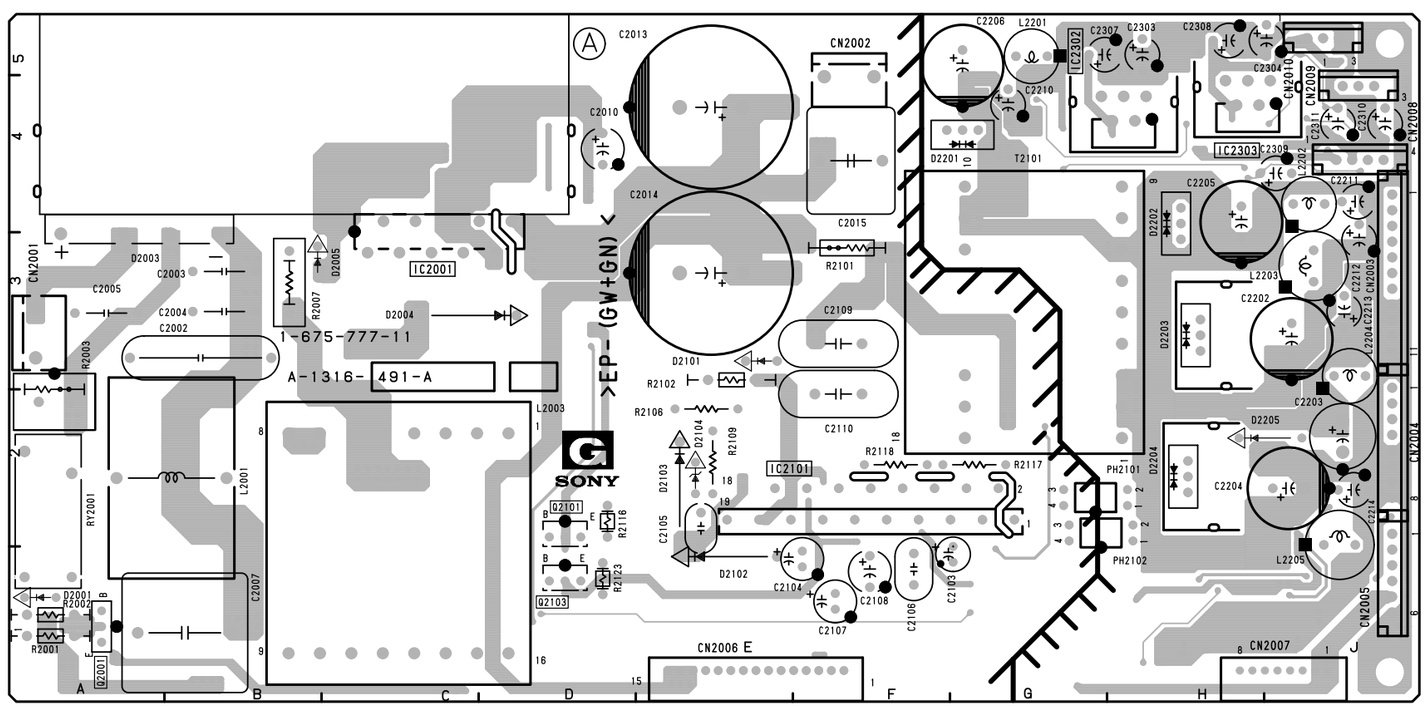
G – B SIDE –

SUFFIX ; -11



F – A SIDE –

SUFFIX ; -11



G – A SIDE –

SUFFIX ; -11

- Refer to page 8-32 for Printed Wiring Board
- Refer to page 8-35 for IC Block Diagrams

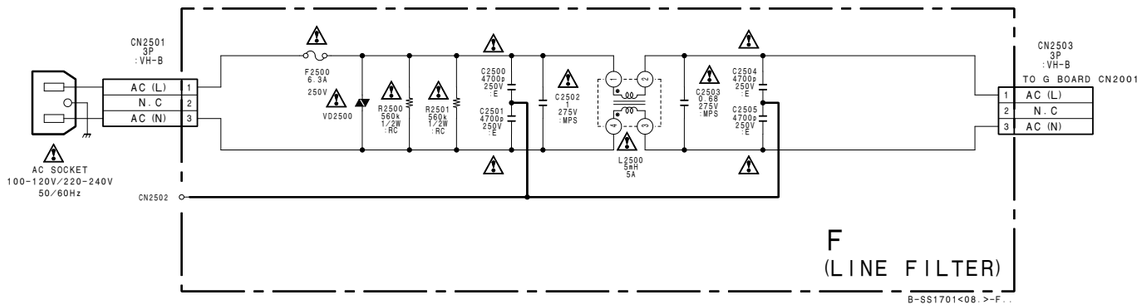
—
G
—
1-675-777-11

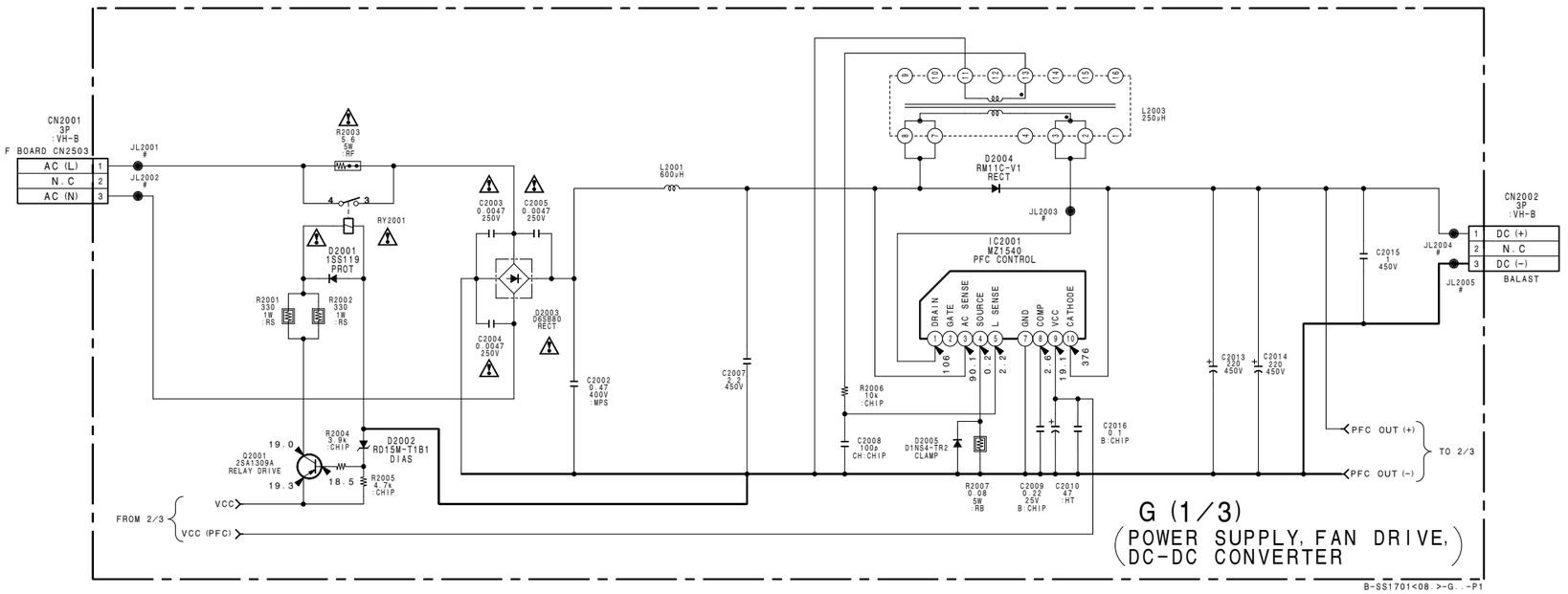
D2001 ＊A-1
D2002 ＊A-1
D2003 A-3
D2003 ＊A-3
D2004 C-3
D2004 ＊C-3
D2005 B-3
D2005 ＊C-3
D2101 E-3
D2101 ＊E-3
D2102 E-1
D2102 ＊E-2
D2103 E-2
D2103 ＊E-2
D2104 E-2
D2104 ＊E-2
D2201 F-4
D2201 ＊F-4
D2202 H-3
D2202 ＊H-3
D2203 H-3
D2203 ＊H-3
D2204 H-2
D2204 ＊H-2
D2205 H-2
D2205 ＊J-2
D2301 ＊H-4

IC2001 C-3
IC2001 ＊D-3
IC2101 E-2
IC2101 ＊E-2
IC2201 ＊H-1
IC2202 ＊J-1
IC2301 ＊G-4
IC2302 G-5
IC2302 ＊H-4
IC2303 H-4
IC2303 ＊H-5

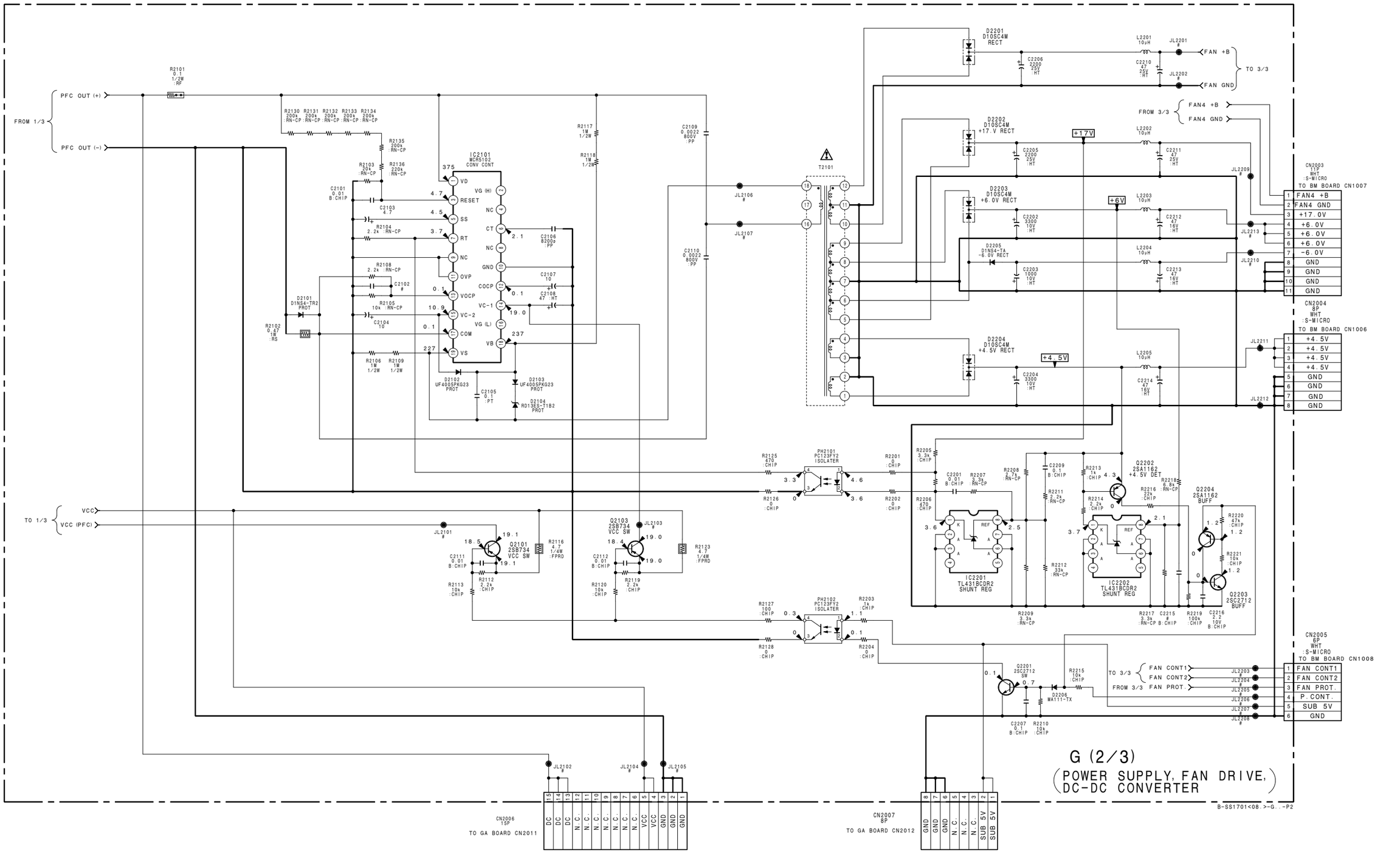
Q2001 A-1
Q2001 ＊A-1
Q2101 D-2
Q2101 ＊D-2
Q2103 D-1
Q2103 ＊D-1
Q2201 ＊G-1
Q2202 ＊J-1
Q2203 ＊H-1
Q2204 ＊H-1
Q2301 ＊J-4
Q2302 ＊J-4
Q2303 ＊J-4
Q2304 ＊J-5

＊:B Side mount

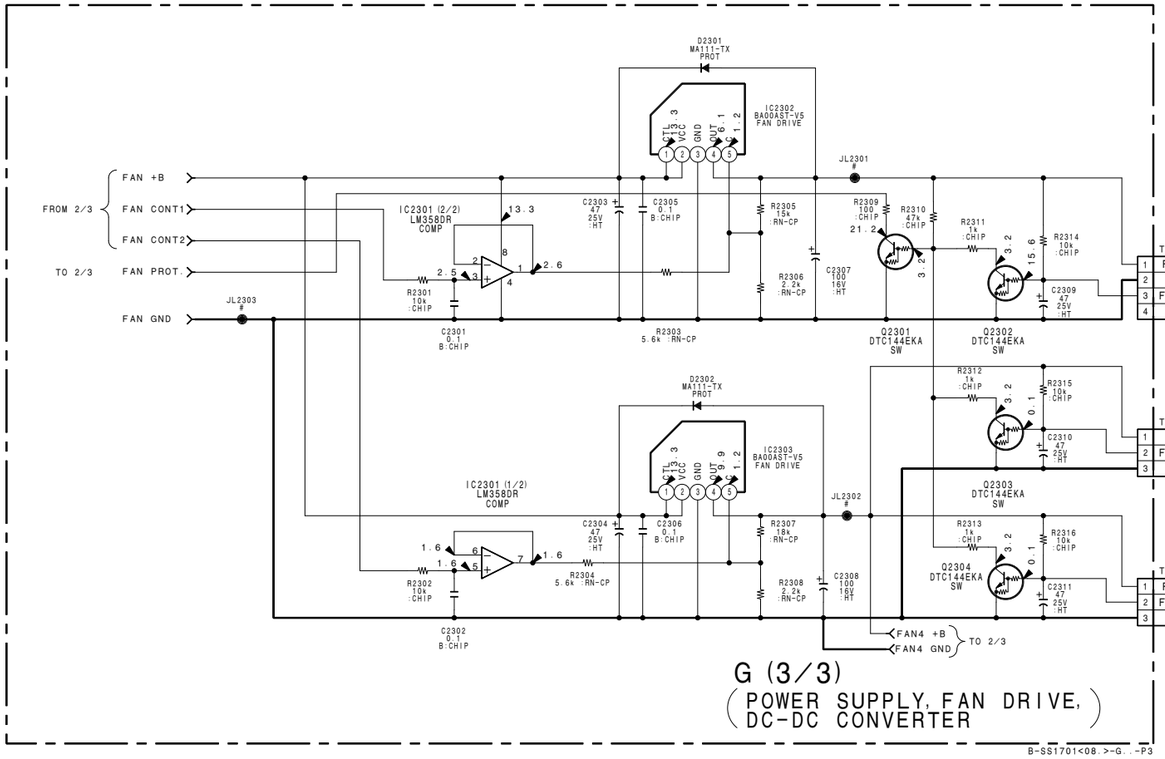




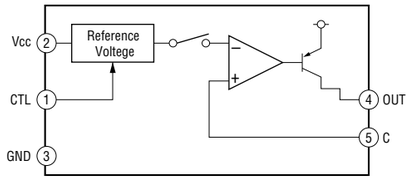
- Refer to page 8-32 for Printed Wiring Board
- Refer to page 8-33 for IC Block Diagrams



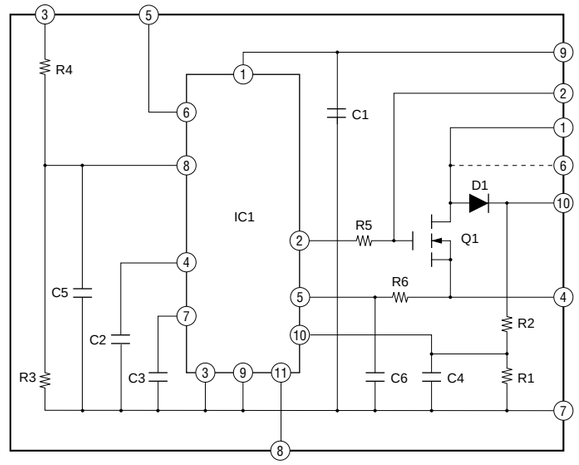
• Refer to page 8-32 for Printed Wiring Board

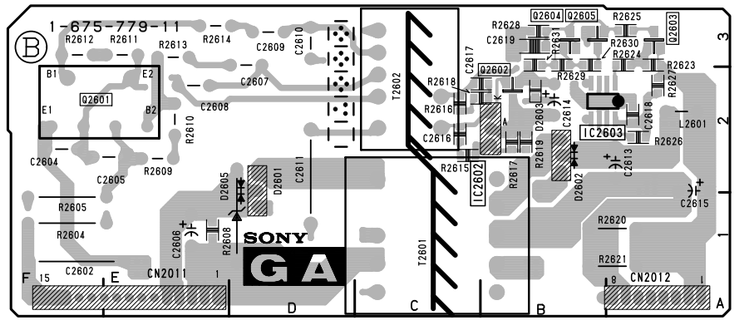


BA00AST-V5 (IC2302, IC2303)



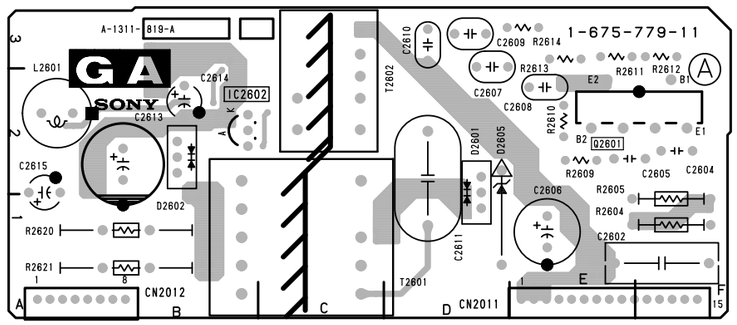
MZ1540 (IC2001)





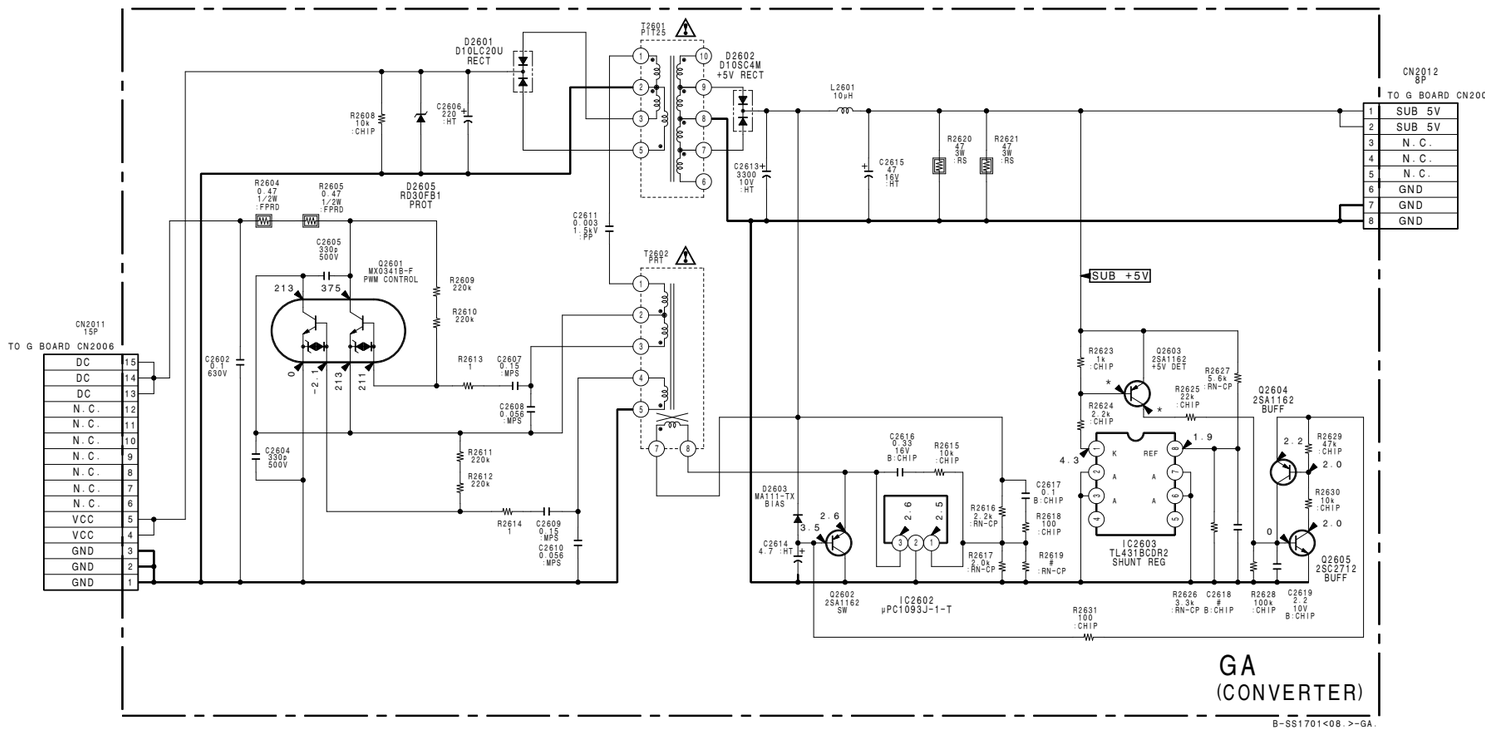
GA – B SIDE –

SUFFIX ; -11



GA – A SIDE –

SUFFIX ; -11



GA
(CONVERTER)

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