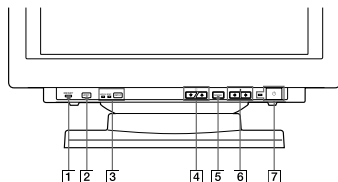


Getting Started

Identifying Parts and Controls

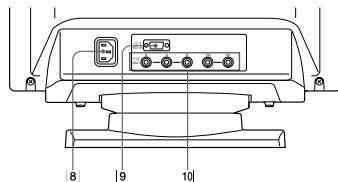
See the pages in parentheses for further details.

Front



- 1 RESET (reset) button (page 17)**
Resets the adjustments to the factory settings.
- 2 ASC (auto sizing and centering) button (page 7)**
Automatically adjusts the size and centering of the images.
- 3 INPUT (input) button and HD15/BNC indicators (page 8)**
Selects the HD15 or 5BNC video input signal. Each time you press this button, the input signal and corresponding indicator alternate.
- 4 (brightness) (↕/↑) buttons (pages 8 - 17)**
Adjust the picture brightness.
Function as the (↕/↑) buttons when adjusting other items.
- 5 MENU (menu) button (pages 8 - 17)**
Displays the MENU OSD.
- 6 (contrast) (←/→) buttons (pages 8 - 17, 22)**
Adjust the contrast.
Function as the (←/→) buttons when adjusting other items.
- 7 (power) switch and indicator (pages 19, 22)**
Turns the monitor on or off.
The indicator lights up in green when the monitor is turned on, and lights up in orange when the monitor is in power saving mode.

Rear



- 8 AC IN connector**
Provides AC power to the monitor.
- 9 Video input 1 connector (HD15)**
Inputs RGB video signals (0.714 Vp-p, positive) and SYNC signals.



Pin No.	Signal	Pin No.	Signal
1	Red	8	Blue Ground
2	Green (Composite Sync on Green)	9	DDC + 5V*
3	Blue	10	Ground
4	ID (Ground)	11	ID (Ground)
5	DDC Ground*	12	Bi-Directional Data (SDA)*
6	Red Ground	13	H. Sync
7	Green Ground	14	V. Sync
		15	Data Clock(SCL)*

* Display Data Channel (DDC) Standard of VESA

- 10 Video input 2 connector (5 BNC)**
Inputs RGB video signals (0.714 Vp-p, positive) and SYNC signals.

EN

Getting Started

Setup

Before using this monitor, check that the following items are included in your carton:

- Monitor (1)
- Power cord (1)
- HD15 video signal cable (1)
- Macintosh adapter (1)
- Windows® 95 Monitor Information Disk / File (1)
- TCO'95 Eco-document (1)
- Warranty card (1)
- These operating instructions (1)

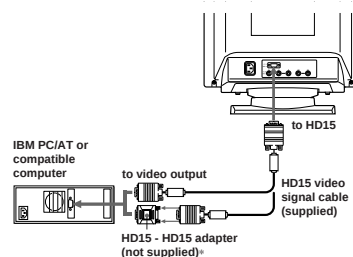
This monitor works with any IBM or compatible system equipped with VGA or greater graphics capability. Although this monitor works with other platforms running at horizontal frequencies between 30 and 107 kHz, including Macintosh and Power Macintosh systems, a cable adapter is required. Please consult your dealer for advice on which adapter is suitable for your needs.

Step 1: Connect the monitor to the computer

With the computer switched off, connect the video signal cable to the monitor using the supplied HD15 video signal cable.

- If you are using an IBM PC / AT or compatible computer, refer to the section below.
- If you are using a Macintosh or compatible computer, refer to the following section, "Connecting to a Macintosh or compatible computer."
- If you want to use the 5 BNC connectors, refer to the section, "Connecting to the 5 BNC connectors."

Connecting to an IBM PC/AT or compatible computer

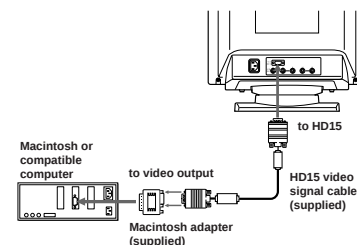


* The HD15 - HD15 adapter may be needed for some models.

If your PC system is not compatible with DDC2AB and DDC2B+

This monitor uses the No. 9 pin in the video signal connector for DDC2AB and DDC2B+ compatibility. Some PC systems which are not compatible with either DDC2AB or DDC2B+ may not accept the No. 9 pin. If you are not sure whether your PC system accepts the No. 9 pin or not, use the HD15 (Female) - HD15 (Male without the No. 9 pin) adapter (not supplied). Make sure the male side (without the No. 9 pin) is connected to the computer.

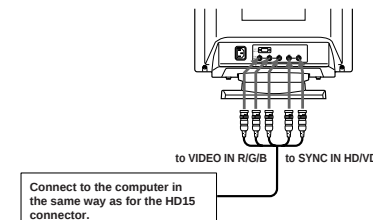
Connecting to a Macintosh or compatible computer



About the supplied Macintosh adapter

The supplied Macintosh adapter is compatible with Macintosh LC, Performa, Quadra and Power Macintosh series computers. Macintosh II series and some older versions of Power Book models may need an adapter with micro switches (not supplied).

Connecting to the 5 BNC connectors



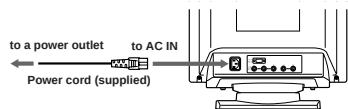
To connect the 5 BNC connectors, use the SMF-400 video signal cable (sold separately). Connect the cables from left to right in the following order: Red-Green-Blue-HD-VD.

Notes

- Do not short the pins of the video signal cable.
- The DDC standard does not apply to the 5 BNC connectors. If you use the DDC standard, connect the HD15 connector to the computer with the supplied video signal cable.

Step 2: Connect the power cord

With the monitor switched off, connect one end of the power cord to the monitor and the other end to a power outlet.



Step 3: Turn on the monitor and computer

The installation of your monitor is complete.

Note

If "OUT OF SCAN RANGE" or "NO INPUT SIGNAL" appears on the screen, see "Warning Messages" on page 20.

For customers using Windows® 95

Install the new model information from the "Windows 95 Monitor Information Disk" into your PC. (To install the file, refer to the attached "About the Windows 95 Monitor Information Disk/File.")

This monitor complies with the "VESA DDC" Plug&Play standard. If your PC / graphics board complies with DDC, select "Plug and Play Monitor (VESA DDC)" as "Monitor type" from "Control Panel" in Windows 95. Some PCs / graphics boards do not comply with DDC. Even if your computer complies with DDC, it may have some problems connecting with this monitor. In this case, select this monitor's model name (GDM-500PS) as "Monitor type" in Windows 95.

For customers using Windows NT4.0

Monitor setup in Windows NT4.0 is different from Windows 95 and does not involve the selection of monitor type. Refer to the Windows NT4.0 instruction manual for further details on adjusting the resolution, refresh rate, and number of colors.

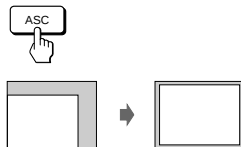
Automatically Adjusting the Size and Centering of the Picture

By pressing the auto sizing and centering (ASC) button, the size and centering of the picture are automatically adjusted to fit the screen.

1 Turn on the monitor and computer.

2 Press the ASC button.

The picture is adjusted to fit the center of the screen.



Notes

- This function is intended for use with a computer running Windows or similar graphic user interface software that provides a full-screen picture. It may not work properly if the background color is dark or if the input picture does not fill the screen to the edges (such as an MS-DOS prompt).
- The screen may go blank for a few seconds while performing the auto-sizing function. This is not a malfunction.
- Although the signals for picture aspect ratio 5:4 (resolution: 1280 × 1024) do not fill the screen to the edges, the picture is accurately displayed.

Selecting the On-screen Display Language

If you need to change the OSD language, see "Using the LANG (Language) On-screen Display" on page 17. The default setting is English.

EN

Selecting the Input Signal

This monitor has two signal input connectors (HD15 and 5BNC) and can be connected to two computers. When the power of both computers is on, select the input signal you want to view as follows.

1 Turn on the monitor and both computers.

2 Press the INPUT button to select the HD15 or 5BNC input signal.

Each time you press the INPUT button, the input signal and corresponding indicator alternate.



Selecting the INPUT signal mode

This monitor has two modes of input signal selection, "AUTO" and "MANUAL."

When "AUTO" is selected

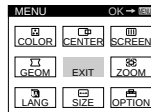
If no signal is input from the selected connector, the monitor automatically selects the other connector's signal. When you restart the computer you want to view, or that computer is in power saving mode, the monitor may automatically select the other connector's signal. This is because the monitor switches from the interrupted signal to the constant signal. If this happens, manually select the desired signal using the INPUT button.

When "MANUAL" is selected

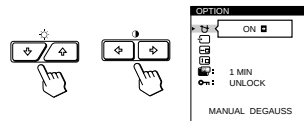
Even if no signal is input from the selected connector, the monitor does not select the other connector's signal.

1 Press the MENU button.

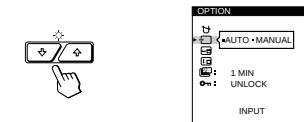
The MENU OSD appears.



2 Press the buttons to select "OPTION," and press the MENU button again. The OPTION OSD appears.



3 Press the buttons to select " (INPUT)." The OPTION OSD appears.



4 Press the buttons to select "AUTO" or "MANUAL."



The OPTION OSD automatically disappears after about 30 seconds.

To close the OSD, press the MENU button again.

For more information on using the OSD, see "Introducing the On-screen Display System" on page 9.

Before adjusting

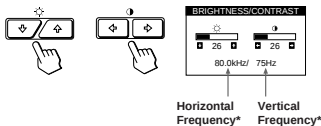
- Connect the monitor and the computer, and turn them on.
- Select "LANG" in the MENU OSD, then select "ENGLISH" (English) (see page 17).

Adjusting the Picture Brightness and Contrast

Once the setting is adjusted, it will be stored in memory for all input signals received.

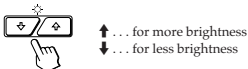
- 1 Press the (brightness) (contrast) buttons.

The BRIGHTNESS/CONTRAST OSD appears.



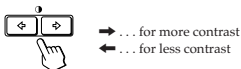
- 2 For brightness adjustment

Press the .



For contrast adjustment

Press the .



The OSD automatically disappears after about 3 seconds.

To reset, press the RESET button while the OSD is on. The brightness and contrast are both reset to the factory settings.

* The horizontal and vertical frequencies for the received input signal appear in the BRIGHTNESS/CONTRAST OSD.

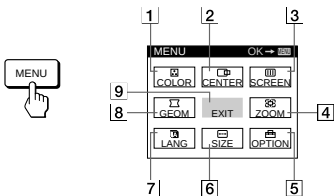
Introducing the On-screen Display System

Most adjustments are made using the MENU OSD.

MENU OSD

Press the MENU button to display the MENU OSD.

This MENU OSD contains links to the other OSDs described below.



EN

- 1 **COLOR**
Displays the COLOR OSD for adjusting the color temperature.
- 2 **CENTER**
Displays the CENTER OSD for adjusting the centering of the picture.
- 3 **SCREEN**
Displays the SCREEN OSD for adjusting the vertical and horizontal convergence, etc.
- 4 **ZOOM**
Displays the ZOOM OSD for enlarging and reducing the picture.
- 5 **OPTION**
Displays the OPTION OSD for adjusting the OSD position and degaussing the screen, etc.
- 6 **SIZE**
Displays the SIZE OSD for adjusting the picture size.
- 7 **LANG**
Displays the LANGUAGE OSD for selecting the language.
- 8 **GEOM**
Displays the GEOMETRY OSD for adjusting the picture rotation and pincushion, etc.
- 9 **EXIT**
Closes the MENU OSD.

Using the CENTER On-screen Display

The CENTER settings allow you to adjust the centering of the picture.
Once the setting is adjusted, it will be stored in memory for the current input signal.

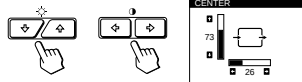
- 1 Press the MENU button.

The MENU OSD appears.



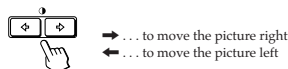
- 2 Press the and buttons to select "CENTER," and press the MENU button again.

The CENTER OSD appears.



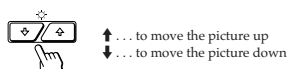
- 3 For horizontal adjustment

Press the .



For vertical adjustment

Press the .



The OSD automatically disappears after about 30 seconds.
To close the OSD, press the MENU button again.

To reset, press the RESET button while the OSD is on.
The horizontal and vertical centerings are both reset to the factory settings.

Using the SIZE On-screen Display

The SIZE settings allow you to adjust the size of the picture.
Once the setting is adjusted, it will be stored in memory for the current input signal.

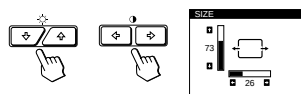
- 1 Press the MENU button.

The MENU OSD appears.



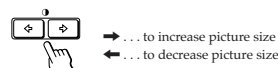
- 2 Press the and buttons to select "SIZE," and press the MENU button again.

The SIZE OSD appears.



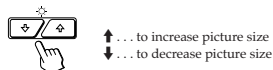
- 3 For horizontal adjustment

Press the .



For vertical adjustment

Press the .



The OSD automatically disappears after about 30 seconds.
To close the OSD, press the MENU button again.

To reset, press the RESET button while the OSD is on.
The horizontal and vertical sizes are both reset to the factory settings.

Using the GEOM (Geometry) On-screen Display

The GEOM (geometry) settings allow you to adjust the shape and orientation of the picture. Once the rotation is adjusted, it will be stored in memory for all input signals received. All other adjustments will be stored in memory for the current input signal.

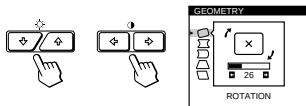
1 Press the MENU button.

The MENU OSD appears.



2 Press the and buttons to select "GEOM," and press the MENU button again.

The GEOMETRY OSD appears.



3 Press the and buttons to select the item you want to adjust.



Select	To
 ROTATION	adjust the picture rotation
 PINCUSHION	adjust the picture sides
 PIN BALANCE	adjust the picture side balance
 KEYSTONE	adjust the picture width
 KEY BALANCE	adjust the picture shape balance

4 Press the and buttons to adjust the settings.



For	Press
 ROTATION	 ... to rotate the picture clockwise  ... to rotate the picture counterclockwise
 PINCUSHION	 ... to expand the picture sides  ... to contract the picture sides
 PIN BALANCE	 ... to move the picture sides to the right  ... to move the picture sides to the left
 KEYSTONE	 ... to increase the picture width at the top  ... to decrease the picture width at the top
 KEY BALANCE	 ... to move the top of the picture to the right  ... to move the top of the picture to the left

EN

The OSD automatically disappears after about 30 seconds. To close the OSD, press the MENU button again.

To reset, press the RESET button while the OSD is on. The selected item is reset to the factory setting.

Using the ZOOM On-screen Display

The ZOOM settings allow you to enlarge or reduce the picture. Once the setting is adjusted, it will be stored in memory for the current input signal.

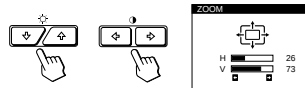
1 Press the MENU button.

The MENU OSD appears.

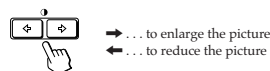


2 Press the and buttons to select "ZOOM," and press the MENU button again.

The ZOOM OSD appears.



3 Press the and buttons to adjust the picture zoom.



The OSD automatically disappears after about 30 seconds. To close the OSD, press the MENU button again.

To reset, press the RESET button while the OSD is on.

Note

The picture zoom adjustment will stop as soon as either the horizontal or vertical size reaches its maximum or minimum value.

Using the COLOR On-screen Display

You can change the monitor's color temperature. For example, you can adjust or change the colors of a picture on the screen to match the actual colors of the printed picture. Once the setting is adjusted, it will be stored in memory for all input signals received.

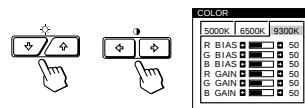
1 Press the MENU button.

The MENU OSD appears.



2 Press the and buttons to select "COLOR," and press the MENU button again.

The COLOR OSD appears.



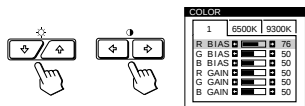
3 Press the and buttons to select the color temperature.



There are three color temperature modes in the OSD. The preset adjustments are:
5000K, 6500K, 9300K

4 Fine tuning the color temperature

Press the /↑ buttons to select an item and adjust by pressing the /→ buttons.



Select **R (red), G (green), or B (blue) BIAS** to adjust the black level of each color's signal.

Select **R (red), G (green), or B (blue) GAIN** to adjust the white level of each color's signal.

The "5000K," "6500K" or "9300K" disappears and the new color settings are memorized for each of the three color modes.

The color temperature modes change as follows:
5000K→1, 6500K→2, 9300K→3

The OSD automatically disappears after about 30 seconds. To close the OSD, press the MENU button again.

To reset, press the RESET button while the OSD is on. The selected item is reset to the factory settings.

Using the SCREEN On-screen Display

You can adjust convergence settings to eliminate red or blue shadows that may appear around objects on the screen. Adjust the CANCEL MOIRE function to eliminate wavy or elliptical patterns that may appear on the screen.

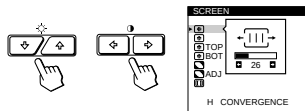
Adjust the LANDING function to correct color imbalances at the four corners of the screen due to influence from the earth's magnetism.

Once CANCEL MOIRE is adjusted, it will be stored in memory for the current input signal. All other adjustments will be stored in memory for all input signals received.

- 1 Press the **MENU** button.
The MENU OSD appears.



- 2 Press the /↑ and /→ buttons to select "SCREEN," and press the **MENU** button again.
The SCREEN OSD appears.



- 3 Press the /↑ buttons to select the item you want to adjust.



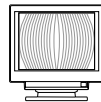
Select	To
H CONVERGENCE	adjust the horizontal convergence
V CONVERGENCE	adjust the vertical convergence
TOP V CONVER TOP	adjust the screen's upper vertical convergence
BOT V CONVER BOTTOM	adjust the screen's lower vertical convergence

(continued)

Select	To
LANDING	select one of the four corners that needs color correction due to influence from the earth's magnetism
ADJ LANDING ADJUST	correct the color at one of the four corners of the screen
CANCEL MOIRE *	turn the moire cancellation function "ON" or "OFF." CANCEL MOIRE must be "ON" for "ADJ (MOIRE ADJUST)" to appear on the screen.
ADJ MOIRE ADJUST	adjust the degree of moire cancellation

* Moire is a type of natural interference which produces soft or wavy lines on your screen. It may appear due to interference between the regulated pattern of the picture from the input signal and the phosphor pitch pattern of the CRT.

Example of moire:



- 4 Press the /→ buttons to adjust the settings.



For	Press
H CONVERGENCE	→ ... to shift red shadows to the right and blue shadows to the left ← ... to shift red shadows to the left and blue shadows to the right
V CONVERGENCE	→ ... to shift red shadows up and blue shadows down ← ... to shift red shadows down and blue shadows up
TOP V CONVER TOP	→ ... to shift red shadows up and blue shadows down ← ... to shift red shadows down and blue shadows up

For	Press
BOT V CONVER BOTTOM	→ ... to shift red shadows up and blue shadows down ← ... to shift red shadows down and blue shadows up
LANDING	→ or ← ... to select the corner of the screen you want to adjust : top left : top right : bottom left : bottom right
ADJ LANDING ADJUST	→ or ← ... to reduce any irregularities in the color to a minimum
CANCEL MOIRE	→ ... to turn CANCEL MOIRE "ON" <OFF> ← ... to turn CANCEL MOIRE "OFF" <OFF>
ADJ MOIRE ADJUST	→ or ← ... to adjust the screen until the moire is at a minimum

Note

The picture may become fuzzy when CANCEL MOIRE is set to "ON."

The OSD automatically disappears after about 30 seconds. To close the OSD, press the MENU button again.

To reset, press the RESET button while the OSD is on. The selected item is reset to the factory setting.

Using the OPTION On-screen Display

The OPTION OSD allows you to manually degauss the screen and adjust settings such as the OSD position and power saving delay time. It also allows you to lock the controls.

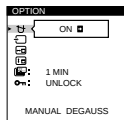
Degaussing the screen

The monitor screen is automatically degaussed (demagnetized) when the power is turned on. You can also manually degauss the monitor.

- 1 Press the **MENU** button.
The MENU OSD appears.



- 2 Press the **↑/↓** and **←/→** buttons to select "OPTION," and press the **MENU** button again.
The OPTION OSD appears.



- 3 Press the **↑/↓** buttons to select "MANUAL DEGAUSS."



- 4 Press the **→** button.
The screen is degaussed for about 3 seconds.



If you need to degauss the screen a second time, wait for at least 20 minutes before repeating the steps above.

The OPTION OSD automatically disappears after about 30 seconds.
To close the OSD, press the **MENU** button again.

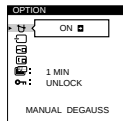
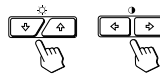
Changing the on-screen display position

You can change the OSD position (for example, when you want to adjust the picture behind the OSD).

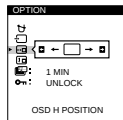
- 1 Press the **MENU** button.
The MENU OSD appears.



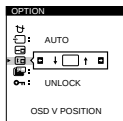
- 2 Press the **↑/↓** and **←/→** buttons to select "OPTION," and press the **MENU** button again.
The OPTION OSD appears.



- 3 Press the **↑/↓** buttons to select "OSD H POSITION)" or "OSD V POSITION)." Select "OSD H POSITION)" to adjust the horizontal position.



Select "OSD V POSITION)" to adjust the vertical position.



- 4 Press the **←/→** buttons to move the OSD to the desired position.



The OPTION OSD automatically disappears after about 30 seconds.
To close the OSD, press the **MENU** button again.

To reset, press the **RESET** button while the OSD is on.

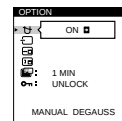
Setting the power saving delay time

You can set the delay time before the monitor enters the power saving mode. See page 19 for more information on this monitor's power saving capabilities.

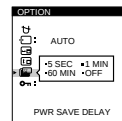
- 1 Press the **MENU** button.
The MENU OSD appears.



- 2 Press the **↑/↓** and **←/→** buttons to select "OPTION," and press the **MENU** button again.
The OPTION OSD appears.



- 3 Press the **↑/↓** buttons to select "PWR SAVE DELAY."



- 4 Press the **←/→** buttons to select the desired time.



When PWR SAVE DELAY is set to "OFF," the monitor does not go into power saving mode.

The OPTION OSD automatically disappears after about 30 seconds.
To close the OSD, press the **MENU** button again.

To reset, press the **RESET** button while the OSD is on.

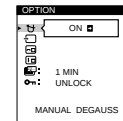
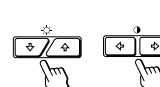
Locking the controls

The control lock function disables all of the buttons on the front panel except the **⏻** (power) switch, **MENU** and **INPUT** buttons.

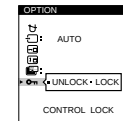
- 1 Press the **MENU** button.
The MENU OSD appears.



- 2 Press the **↑/↓** and **←/→** buttons to select "OPTION," and press the **MENU** button again.
The OPTION OSD appears.



- 3 Press the **↑/↓** buttons to select "CONTROL LOCK."



- 4 Press the **←/→** buttons to select "LOCK."



The OPTION OSD automatically disappears after about 30 seconds.
To close the OSD, press the **MENU** button again.

Once you select "LOCK," you cannot select any items except "EXIT" and "OPTION" in the MENU OSD. If you press any button other than the **⏻** (power) switch, **MENU** and **INPUT** buttons, the **⏻** mark appears on the screen.

To cancel the control lock

Repeat steps 1 through 3 above and press the **←/→** buttons to select "UNLOCK."

Using the LANG (Language) On-screen Display

English, French, German, Spanish, Italian and Japanese versions of the OSDs are available.

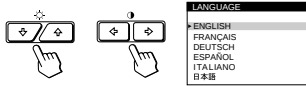
1 Press the MENU button.

The MENU OSD appears.



2 Press the $\odot \downarrow/\uparrow$ and $\odot \leftarrow/\rightarrow$ buttons to select "LANG," and press the MENU button again.

The LANGUAGE OSD appears.



3 Press the $\odot \downarrow/\uparrow$ buttons to select the desired language.



ENGLISH: English, FRANÇAIS: French, DEUTSCH: German, ESPAÑOL: Spanish, ITALIANO: Italian, or 日本語: Japanese.

The OSD automatically disappears after about 30 seconds. To close the OSD, press the MENU button again.

To reset to English, press the RESET button while the OSD is on.



Resetting the Adjustments

Resetting an adjustment item

1 Press the MENU, $\odot \downarrow/\uparrow$ and $\odot \leftarrow/\rightarrow$ buttons to select the OSD containing the item you want to reset.



2 Press the $\odot \downarrow/\uparrow$ buttons to select the item you want to reset.



3 Press the RESET button.



EN

Resetting all of the adjustment data for the current input signal

When there is no OSD displayed, press the RESET button.

All of the adjustments data for the current input signal is reset to the factory settings.

Note that adjustment data not affected by changes in input signal (OSD language, OSD position, input signal selection, power saving delay time and the control lock function) is not reset to the factory settings.



Resetting all of the adjustment data for all input signals

Press and hold the RESET button for more than two seconds.

All of the adjustment data, including the brightness and contrast, is reset to the factory settings.



Preset and User Modes

This monitor has factory preset modes for the 27 most popular industry standards for true "plug and play" compatibility.

When a new input signal is entered, the monitor selects the appropriate factory preset mode and momentarily adjusts the phase calibration to provide a high quality picture to the center of the screen. The calibration is stored in memory and is immediately recalled whenever the same input signal is received.

No.	Resolution		Horizontal Vertical	
	(dots × lines)	Frequency	Frequency	Graphics Mode
1	640 × 350	31.5 kHz	70 Hz	MCGA
2	640 × 480	31.5 kHz	60 Hz	VGA-G
3	640 × 480	37.5 kHz	75 Hz	EVGA
4	640 × 480	43.3 kHz	85 Hz	VESA
5	720 × 400	31.5 kHz	70 Hz	VGA-Text
6	720 × 400	37.9 kHz	85 Hz	VESA
7	800 × 600	37.9 kHz	60 Hz	SVGA
8	800 × 600	46.9 kHz	75 Hz	ESVGA
9	800 × 600	53.7 kHz	85 Hz	VESA
10	832 × 624	49.7 kHz	75 Hz	Macintosh 16" Color
11	1024 × 768	48.4 kHz	60 Hz	VESA
12	1024 × 768	56.5 kHz	70 Hz	VESA
13	1024 × 768	60.0 kHz	75 Hz	EUVGA
14	1024 × 768	60.2 kHz	75 Hz	Macintosh 19" Color
15	1024 × 768	68.7 kHz	85 Hz	VESA
16	1152 × 864	67.5 kHz	75 Hz	VESA
17	1152 × 870	68.7 kHz	75 Hz	Macintosh 21" Color
18	1280 × 960	60.0 kHz	60 Hz	VESA
19	1280 × 960	85.9 kHz	85 Hz	VESA
20	1280 × 1024	64.0 kHz	60 Hz	VESA
21	1280 × 1024	80.0 kHz	75 Hz	VESA
22	1280 × 1024	91.1 kHz	85 Hz	VESA
23	1600 × 1200	75.0 kHz	60 Hz	VESA
24	1600 × 1200	81.3 kHz	65 Hz	VESA
25	1600 × 1200	87.5 kHz	70 Hz	VESA
26	1600 × 1200	93.8 kHz	75 Hz	VESA
27	1600 × 1200	106.3 kHz	85 Hz	VESA

For input signals that do not match one of the factory preset modes, the digital Multiscan technology of this monitor performs all of the adjustments necessary to ensure that a clear picture appears on the screen for any timing in the monitor's frequency range. However, it may be necessary to fine tune the vertical/horizontal size and centering. Simply press the ASC button or adjust the monitor according to the adjustment instructions. The adjustments are stored automatically as a user mode and recalled whenever the corresponding input signal is received. A total of 15 user adjusted modes can be stored in memory, including those made with the ASC button. If a 16th mode is entered, it will replace the first.

Recommended horizontal and vertical timing conditions

Horizontal sync width duty should be: >4.8% of total horizontal time.

Horizontal blanking width should be: >2.5 μ sec.

Vertical blanking width should be: > 450 μ sec.

Note for Windows® users

For Windows users, check your video board manual or the utility program which comes with your graphic board and select the highest available refresh rate to maximize monitor performance.

Adjusting the monitor's resolution and color number

If you are using Windows 95, adjust the monitor's resolution and color number according to the steps below. Refer also to the Windows 95 HELP files. If you are using a Macintosh or compatible computer, Refer to your computer's instruction manual.

- 1 Click the Start button and point to Settings. Then double-click the Control Panel.
- 2 Double-click the Display icon.
- 3 Click Settings.
- 4 Click the Color palette. Point to the desired color number and click. Point to the Desktop area and drag the slider to the desired resolution.
- 5 Click OK.

Note

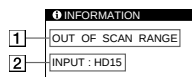
Some settings may require that the computer be turned off then back on to take effect. In this case, follow the on-screen instructions.

About the color number

- The Color palette setting and the actual number of colors is as follows:
High Color (16 bit) $\rightarrow$ 65,536 colors
True Color (24 bit) $\rightarrow$ about 1,677 million colors
- In True color mode (24 bit), speed may be slower.
- The color number may vary according to your computer or video board.

Warning Messages

If there is something wrong with the input signal, one of the following messages appears.



1 The input signal condition

“OUT OF SCAN RANGE” indicates that the input signal is not supported by the monitor’s specifications.

“NO INPUT SIGNAL” indicates that no signal is input, or the input signal from the selected input connector is not received.

2 The selected input connector

Indicates which input connector is receiving the wrong signal. If there is something wrong with the signal from both input connectors, “HD15” and “BNC” are displayed alternately.

To solve these problems, see “Troubleshooting” below.

Troubleshooting

This section may help you isolate the cause of a problem and as a result, eliminate the need to contact technical support.

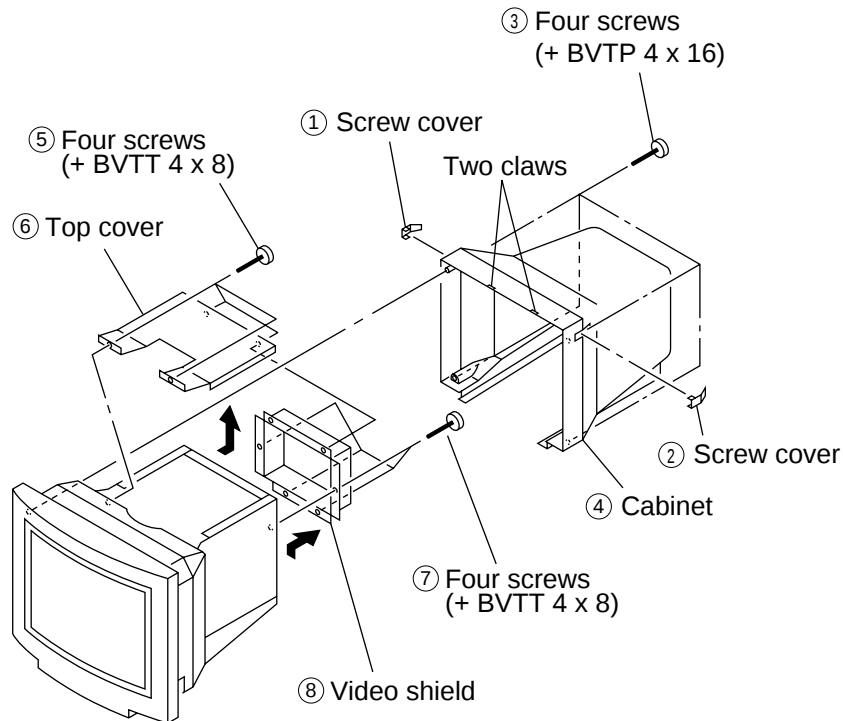
Symptom	Check these items
No picture	
If the  indicator is not lit	- Check that the power cord is properly connected. - Check that the  (power) switch is in the “on” position.
If the “NO INPUT SIGNAL” message appears on the screen, or if the  indicator is either orange or alternating between green and orange	- The screen is blank when the monitor is in power saving mode. Try pressing any key on the computer keyboard. - Check that your computer power switch is in the “on” position. - Check that the input select setting is correct. - Check that the video signal cable is properly connected and all plugs are firmly seated in their sockets. - Check that the 5 BNCs are connected in the correct order (from left to right: Red-Green-Blue-HD-VD) (page 6). - Ensure that no pins are bent or pushed in the HD15 video input connector. - Check that the video board is completely seated in the proper bus slot.
If the “OUT OF SCAN RANGE” message appears on the screen	- Check that the video frequency range is within that specified for the monitor. (Horizontal: 30 – 107 kHz, Vertical: 48 – 160 Hz) Refer to your computer’s instruction manual to adjust the video frequency range. - If you are using a video signal cable adapter, check that it is correct.
If no message is displayed and the  indicator is green or flashing orange	See “Self-diagnosis Function” (page 22).
If using a Macintosh system	Check that the Macintosh adapter and the video signal cable are properly connected (page 6).
If using Windows® 95	If you cannot find “GDM-500PS” among the Sony monitors in the Windows 95 monitor selection screen, select the DDC standard monitor or install the Windows 95 Monitor Information Disk (page 7). The DDC standard does not apply to the 5 BNC connectors. If you use the DDC standard, connect the computer to the HD15 connector with the supplied video signal cable.
Picture is scrambled	- Check your graphics board manual for the proper monitor setting. - Check this manual and confirm that the graphics mode and the frequency you are trying to operate at is supported. Even if the frequency is within the proper range, some video boards may have a sync pulse that is too narrow for the monitor to sync correctly.

Symptom	Check these items
Color is not uniform	- Degauss the monitor (page 15). If you place equipment which generates a magnetic field, such as a loudspeaker, near the monitor, or you change the direction of the monitor, color may lose uniformity. The degauss function demagnetizes the metal frame of the CRT to obtain a neutral field for uniform color reproduction. If a second degauss cycle is needed, allow a minimum interval of 20 minutes for the best result. - Adjust the landing (pages 13 – 14).
You cannot adjust the monitor with the buttons on the front panel	If the control lock function is set to on, set it to off using the OPTION OSD (page 16).
White does not look white	- Adjust the color temperature (pages 12 – 13). - Check that the 5 BNCs are connected in the correct order (from left to right: Red-Green-Blue-HD-VD) (page 6).
Screen image is not centered or sized properly	- Press the ASC button (page 7). - Adjust the size or centering (page 10). - Some video modes do not fill the screen to the edges. This problem tends to occur with certain video boards.
Edges of the image are curved	Adjust the geometry (page 11).
White lines show red or blue shadows at edges	Adjust the convergence (pages 13 – 14).
Picture is fuzzy	- Adjust the contrast and brightness (page 9). - Degauss the monitor (page 15). If you place equipment which generates a magnetic field, such as a loudspeaker, near the monitor, or you change the direction of the monitor, color may lose uniformity. The degauss function demagnetizes the metal frame of the CRT to obtain a neutral field for uniform color reproduction. If a second degauss cycle is needed, allow a minimum interval of 20 minutes for the best result. - If red or blue shadows appear along the edges of images, adjust the convergence (pages 13 – 14). - If the moire is cancelled, the picture may become fuzzy. Decrease the moire cancellation effect (pages 13 – 14).
Picture bounces or has wavy oscillations	- Isolate and eliminate any potential sources of electric or magnetic fields. Common causes for this symptom are electric fans, fluorescent lighting or laser printers. - If you have another monitor close to this monitor, increase the distance between them to reduce the interference. - Try plugging the monitor into a different AC outlet, preferably on a different circuit. - Try the monitor on a different computer in a different room.
Picture is flickering	Set the refresh rate on the computer to obtain the best possible picture by referring to the computer’s manual.
Picture appears to be ghosting	Eliminate the use of video cable extensions and / or video switch boxes if this symptom occurs. Excessive cable length or a weak connection can produce this symptom.
Wavy or elliptical (moire) pattern is visible	- Cancel the moire (pages 13 – 14). The moire may be modified depending on the connected computer. - Due to the relationship between resolution, monitor dot pitch and the pitch of some image patterns, certain screen backgrounds sometimes show moire. Change your desktop pattern.
Two fine horizontal lines (wires) are visible	These wires stabilize the vertically striped aperture grille (page 19). This aperture grille allows more light to pass through to the screen giving the Trinitron CRT more color and brightness.
Hum is heard right after the power is turned on	When the power is turned on, the auto-degauss cycle is activated. While the auto-degauss cycle is activated (3 seconds), a hum may be heard. The same hum is heard when the monitor is manually degaussed. This is not a malfunction.

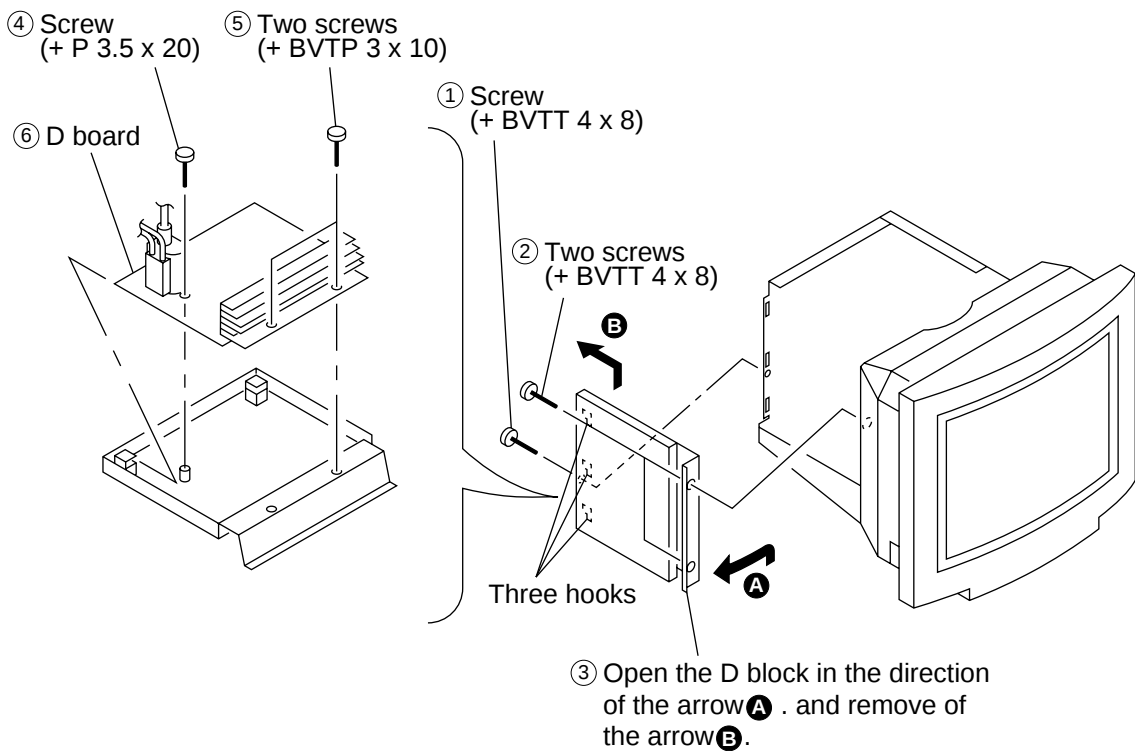
SECTION 2

DISASSEMBLY

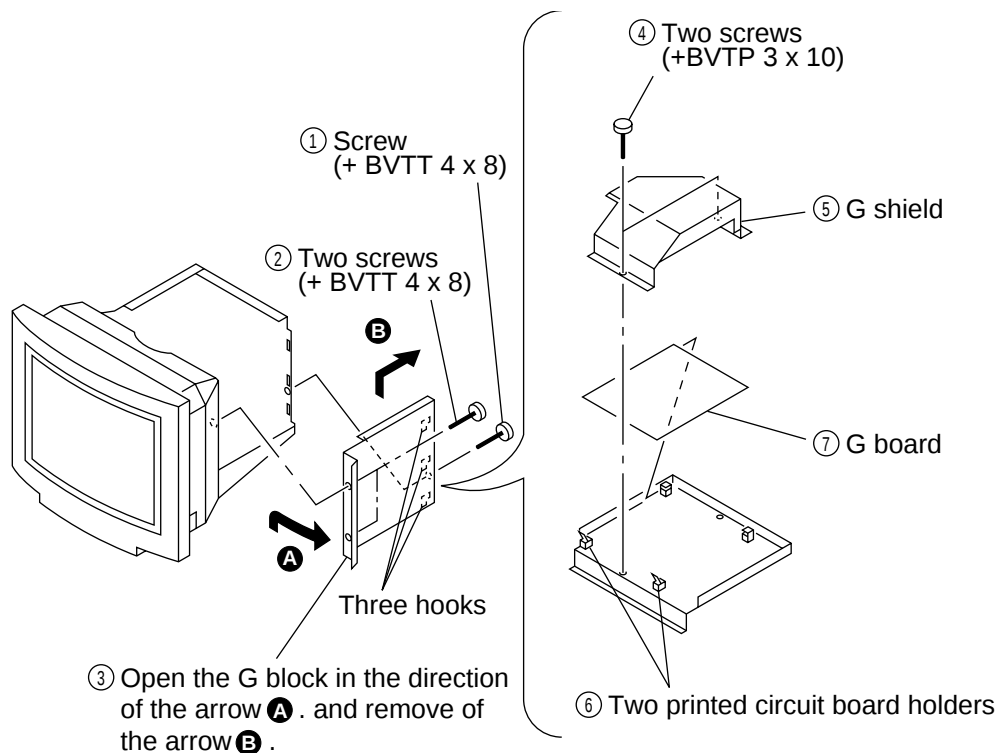
2-1. CABINET REMOVAL



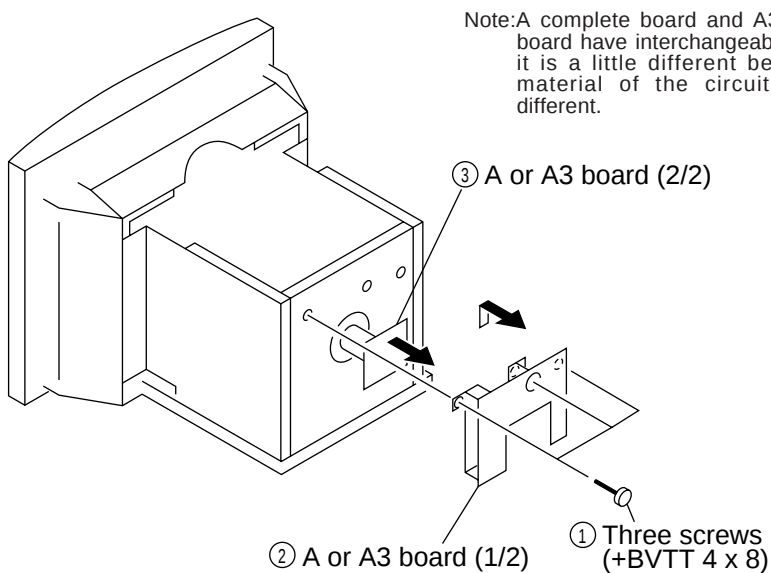
2-2. D BOARD REMOVAL



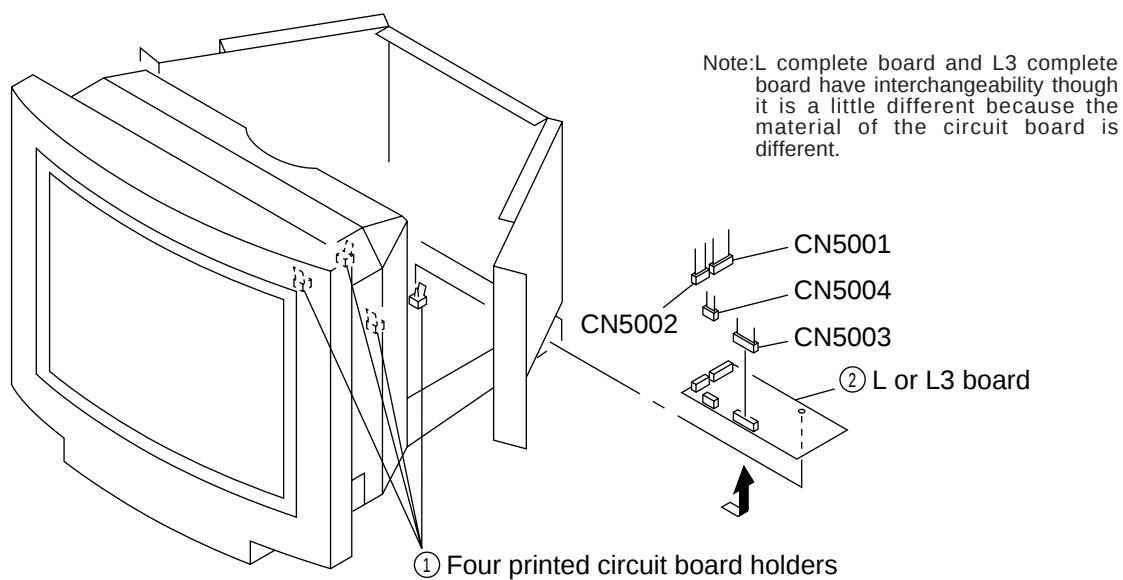
2-3. G BOARD REMOVAL



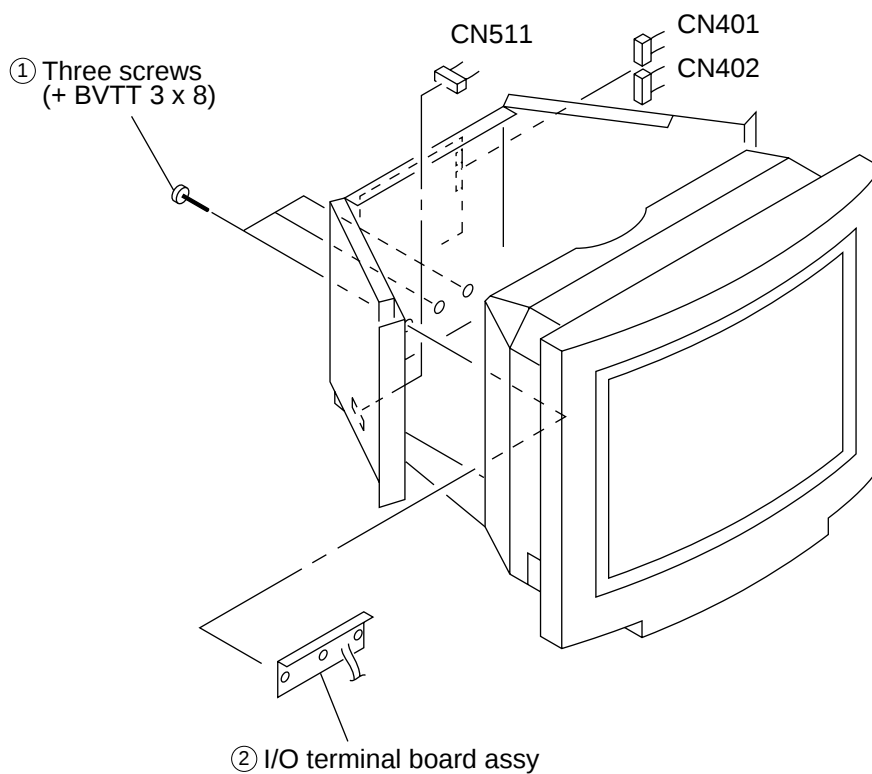
2-4. A or A3 BOARD REMOVAL



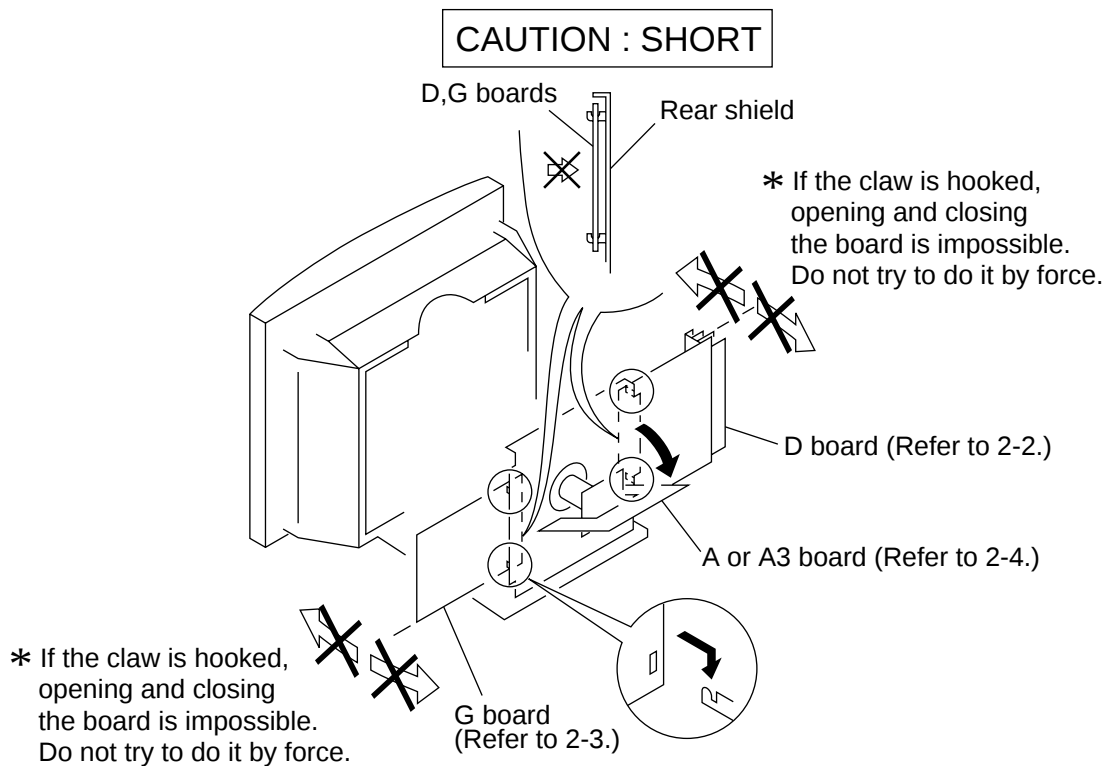
2-5. L or L3 BOARD REMOVAL



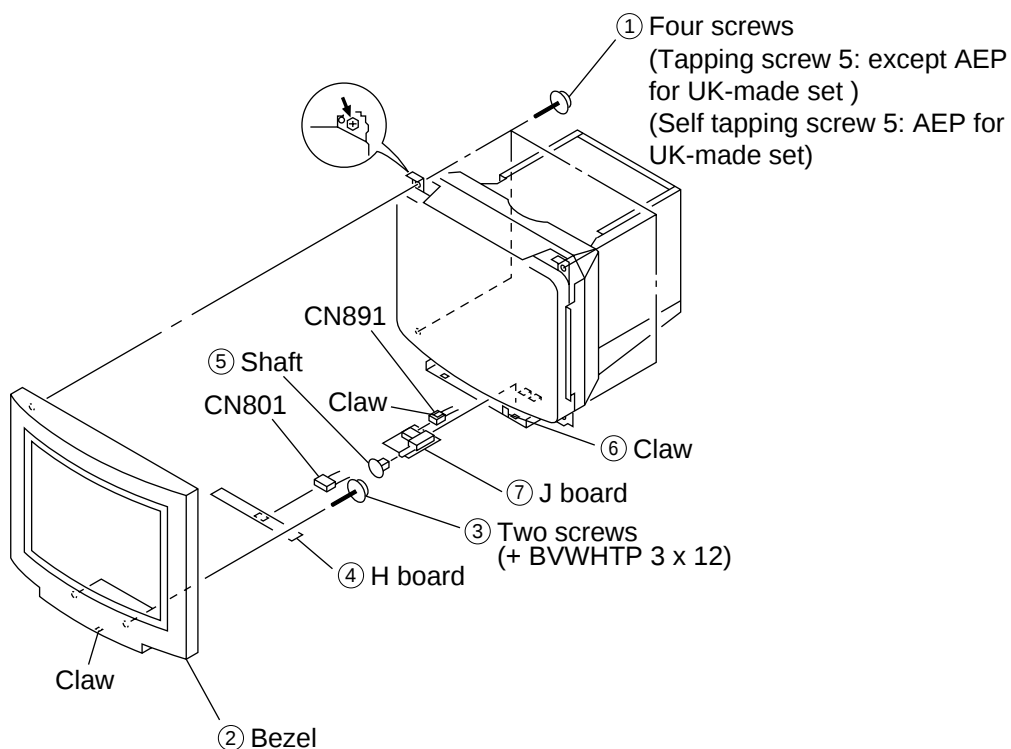
2-6. I/O TERMINAL BOARD ASSY REMOVAL



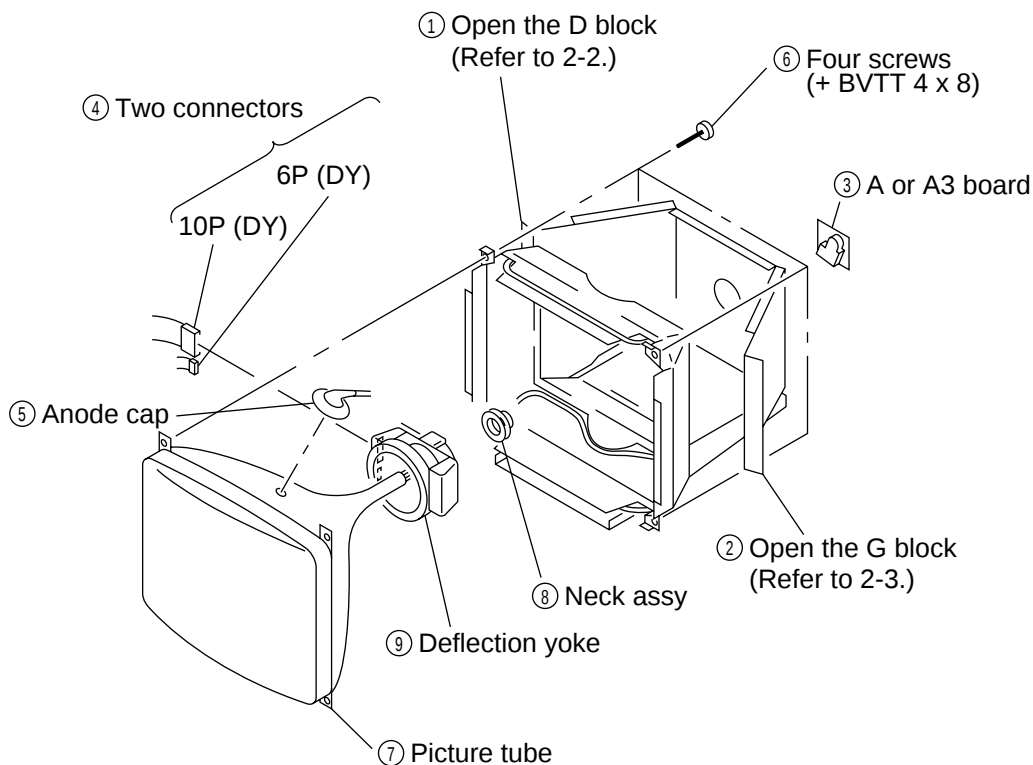
2-7. SERVICE POSITION



2-8. H AND J BOARDS REMOVAL



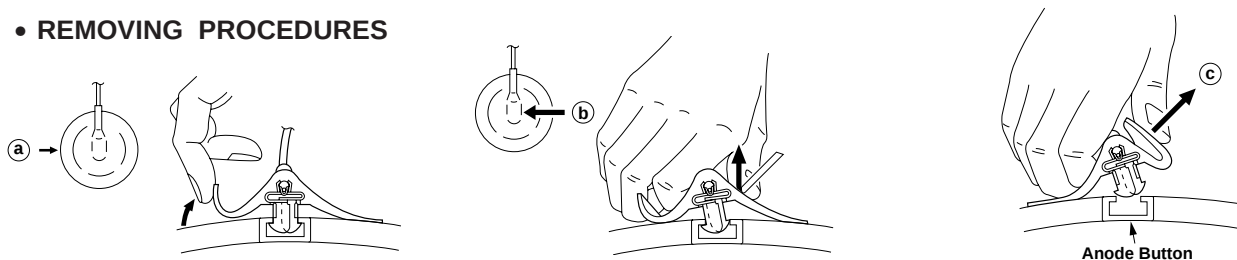
2-9. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

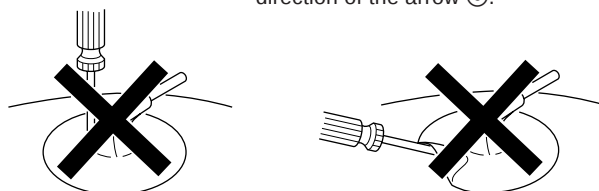
NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT, after removing the anode.

• REMOVING PROCEDURES



• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardy not to hurt inside of anode-caps! A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardy! The shatter-hook terminal will stick out or hurt the rubber.



SAFETY RELATED ADJUSTMENT

When replacing or repairing the shown below table, the following operational checks must be performed as a safety precaution against X-rays emissions from the unit.

	Part Replaced (▣)
HV Regulator Circuit Check	D Board IC901, T902 • Mounted D board
HV Protector Circuit Check	D Board Q660, Q661, D916, D935, C924, R665, R667, R940, R980, T902 • Mounted D board G Board PH680, Q680, Q683, D680, R680, R685, R686, R687, R688, R689 • Mounted G board
Beam Current Protector Circuit Check	D Board IC901, D904, D907, D908, R011, R908, R909, R921, R925, R926, R929, R930, T902 • Mounted D board

Check Condition

- Input voltage : 100 ~ 240 VAC
- Input signal : White Cross Hatch at 107 kHz
- Beam control : BRT and CONT → Minimum
- B+ voltage : 195 ~ 205 VDC

a) HV Regulator Circuit Check

- 1) Confirm that the voltage of the pin ② of CN901 on D board is within the voltage range shown below.
Standard: 9.00 ± 0.065 VDC

b) HV Protector Circuit Check

- 1) Confirm that the HV protector circuit works and TV Raster disappears when apply the voltage as shown below between pin ③ of CN901 on D board and GND using an external DC power supply.
Check Condition: Less than 34.10 VDC

c) Beam Current Protector Circuit Check-1

- 1) Measure HV voltage and record that value.
- 2) Shorted between pin ① and pin ④ of CN901 on D board.
- 3) Connect to the Constant Current Jig (A) between pin ① of CN901 on D board and GND, confirm that the Beam Current Protector Circuit works and HV go down more than 1.25 kV from the value of (1).
Check Condition: 1.50 mA

d) Beam Current Protector Circuit Check-2

- 1) Connect to the Constant Current Jig (B) between pin ① of CN901 on D board and GND, confirm that the Beam Current Protector Circuit works and TV Raster disappears.
Check Condition: 1.59 mA

e) Voltage of 3rd winding of FBT

- 1) Confirm that the voltage of pin ③ of CN901 on D board is within the voltage range shown below.
Standard: more than 28.0 VDC

SECTION 4

ADJUSTMENTS

Note: Hand degauss must be used on stand-by or power-off condition.

This model has an automatic earth magnetism correction function by using an earth magnetism sensor and a LCC coil. When using a hand degauss while monitor (LCC coil) is being operated, it sometimes gets magnetized, and the system may not work properly as a result.

• Landing Rough Adjustment

1. Enter the full white signal. (or the full black dots signal).
 2. Adjust the contrast to the maximum.
 3. Make the screen monogreen.
- Note: Off the outputs from R ch and B ch of SG.
4. Reverse the DY, and adjust coarsely the purity magnet so that a green raster positions in the center of screen.
 5. Adjust the tilt of DY, and fix lightly with a clamp.
- Note: "TILT" shall be set at 0.

• Landing Fine Adjustment

1. Put the set inside the Helmholtz coil. ("LCC SW" = "12")
2. Input the single green signal and set the CONT control to MAX.

Note: After the W/B adjustment with 9300K, measure an average of ΣI_k when a full white signal is entered in the CONT MAX/BRT CENT status. Then make adjustment so that the specified screen can be attained after aging for 2 hours with I_k equivalent to 30% of the average value.

3. Demagnetize the metal part of the chassis with the hand degausser and coil degausser, and the CRT surface with the hand degausser.

Input AC 230V to AC IN, turn on and off the power to perform auto degaussing. (Perform auto degaussing by setting "MON CON REG2"=152. Return to the original value after use.)

Demagnetize the CRT surface with the hand degausser again.

Note:

- (1) Hand degauss must be used on stand-by or power-off condition.

This model has an automatic earth magnetism correction function by using an earth magnetism sensor and a LCC coil. When using a hand degauss while monitor (LCC coil) is being operated, it sometimes gets magnetized, and the system may not work properly as a result.

- (2) Adjust in a non-magnetic field. $BV=45\mu T$.
- (3) If adjusting in a magnetic fields, add the shift from the non-magnetic field in your estimation.
4. Attach the wobbling coil to the designated part of the CRT neck.
5. Attach the sensor of the landing adjustment unit on the CRT surface.

6. Adjust the DY position and purity, and the DY tilt, and landing of the center and 4 corners with the landing checker.

After adjustment, set "LCC SW" to "13".

- Write terrestrial magnetism sensor reading VX and VY to "LCC VX" and "LCC VY" respectively. Adjust the landing by moving "LCC NS", "LCC LT", "LCC LB", "LCC RT" and "LCC RB". However, the register adjustment must be limited within the following range.

"LCC NS" 128 ± 15

"LCC LT", "LCC LB", "LCC RT", "LCC RB" 128 ± 40

Save the service data.

<Specifications>

Adjust so that the green is within the specification given right.
4 corner adjust target : within ± 1

(μm)		
0 ± 3	0 ± 7.5	0 ± 3
0 ± 5	0 ± 5	0 ± 5
0 ± 3	0 ± 7.5	0 ± 3

The red and blue must be within the specification given right with respect to the green.

(μm)		
± 6	± 6	± 6
± 6	± 4	± 6
± 6	± 6	± 6

A difference between red and blue must be within the specification given right.

(μm)		
10	10	10
10	7	10
10	10	10

- * Adjustment and measurement should be made at the points one inch inside the fluorescent screen.

7. For the up/down swing, swing the DY and insert a wedge so that the up and down pins are equal at the top and bottom. Adjust the DY TLV VR so that the horizontal trapezoid is equal at the left and right. Insert the wedge firmly so that the DY does not shake.
8. Check the landing of each corner, and if it does not satisfy the specification, adjust the landing of four corners using "LCC LT", "LCC LB", "LCC RT" and "LCC RB". However, the register adjustment must be limited within the following range.

"LCC NS" 128 ± 15

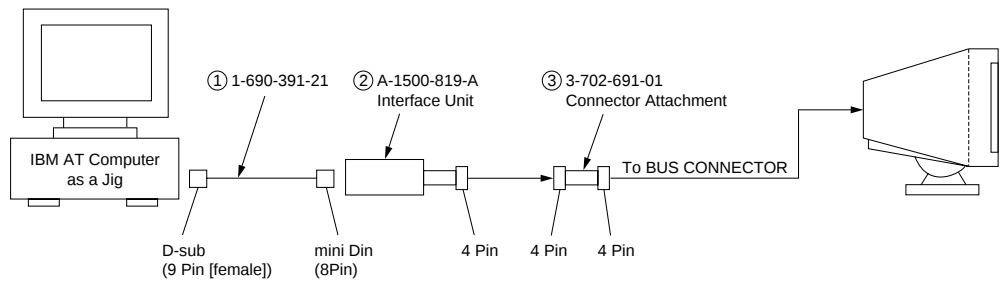
"LCC LT", "LCC LB", "LCC RT", "LCC RB" 128 ± 40

After adjustment, save the service data.

9. Remove the sensor and wobbling coil.
10. Switch the signal to R.G.B., and check that each color is pure.
11. Check that the DY is not tilting.

GDM-500PS/500PST/500PST9

Connect the communication cable of the computer to the connector located on the D board on the monitor. Run the service software and then follow the instruction.



*The parts above (① ~ ③) are necessary for DAS adjustment.

• Convergence Rough Adjustment

- (1) Receive an image of the white crosshatch signals (white lines on black).
- (2) Place the protrusions of the 6-fold poles magnet attached to the CRT neck upon each other. (Fig. 1)
- (3) Make rough adjustment of the H and V direction convergence by using 4-fold poles magnet.
- (4) Make a rough adjustment of the V direction convergence by using "V. STAT".

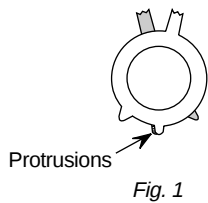


Fig. 1

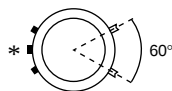


Fig. 3

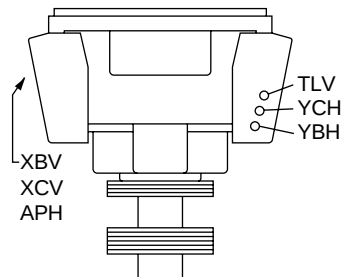
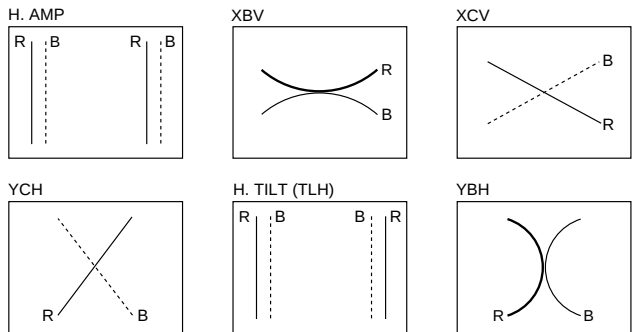
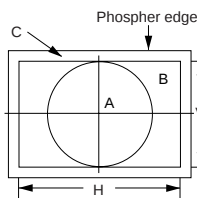


Fig. 2

* Set so that the protruding parts of the 2 magnet rings agree with each other.



• Convergence Specification

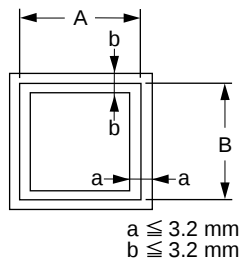


MODE	Zone	N. Hemisphere	S. Hemisphere
fh ≥ 60 kHz	A Zone	0.24 mm	0.24 mm
	B Zone	0.24 mm	0.28 mm
	C Zone	0.32 mm	0.32 mm
fh ≤ 60 kHz	A Zone	0.24 mm	0.28 mm
	B Zone	0.32 mm	0.36 mm
	C Zone	0.36 mm	0.40 mm

• White Balance Adjustment Specification

- (1) 9300K
 $x = 0.281 \pm 0.005$
 $y = 0.311 \pm 0.005$
(All White)
- (2) 6500K
 $x = 0.313 \pm 0.005$
 $y = 0.329 \pm 0.005$
(All White)

• Vertical and Horizontal Position and Size Specification

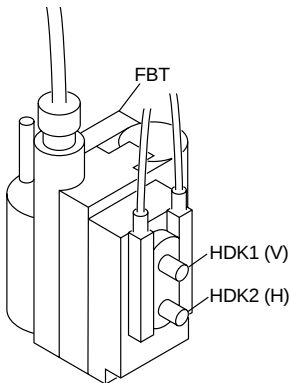


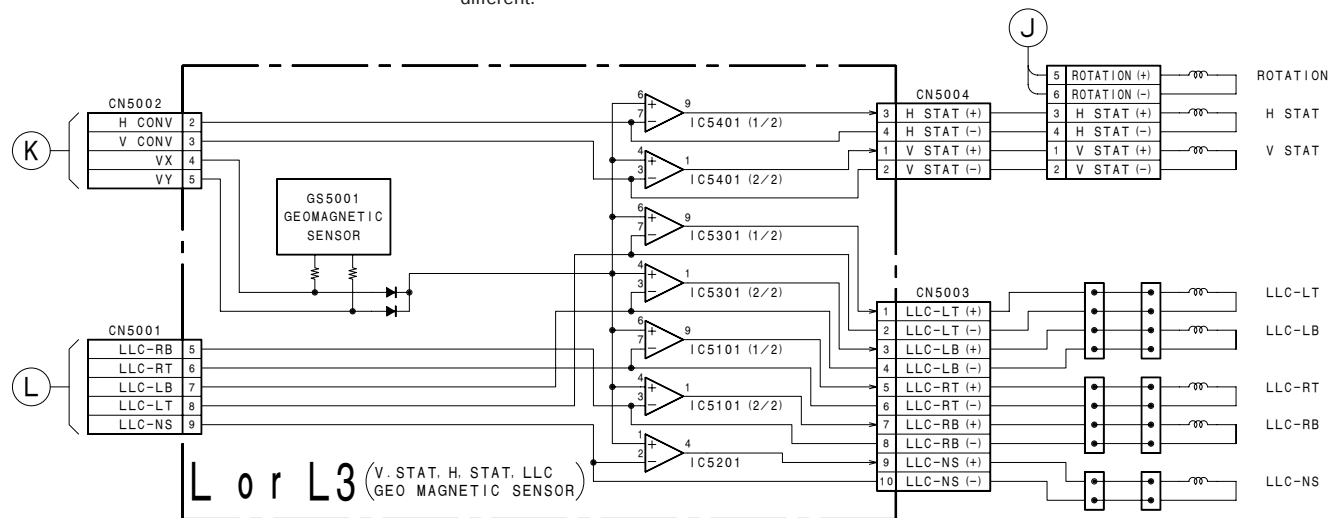
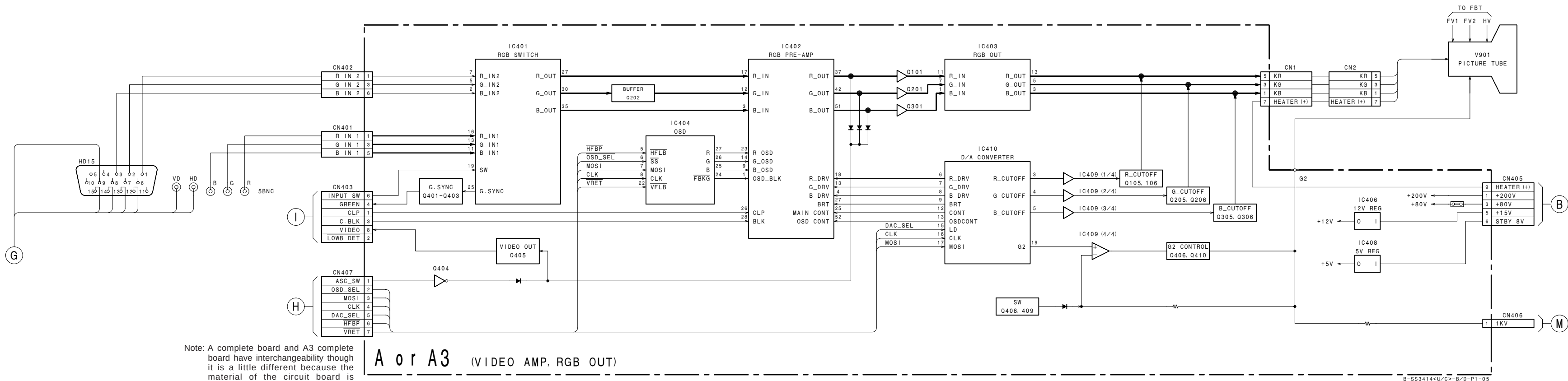
MODE	1, 2
A	388 mm
B	291 mm

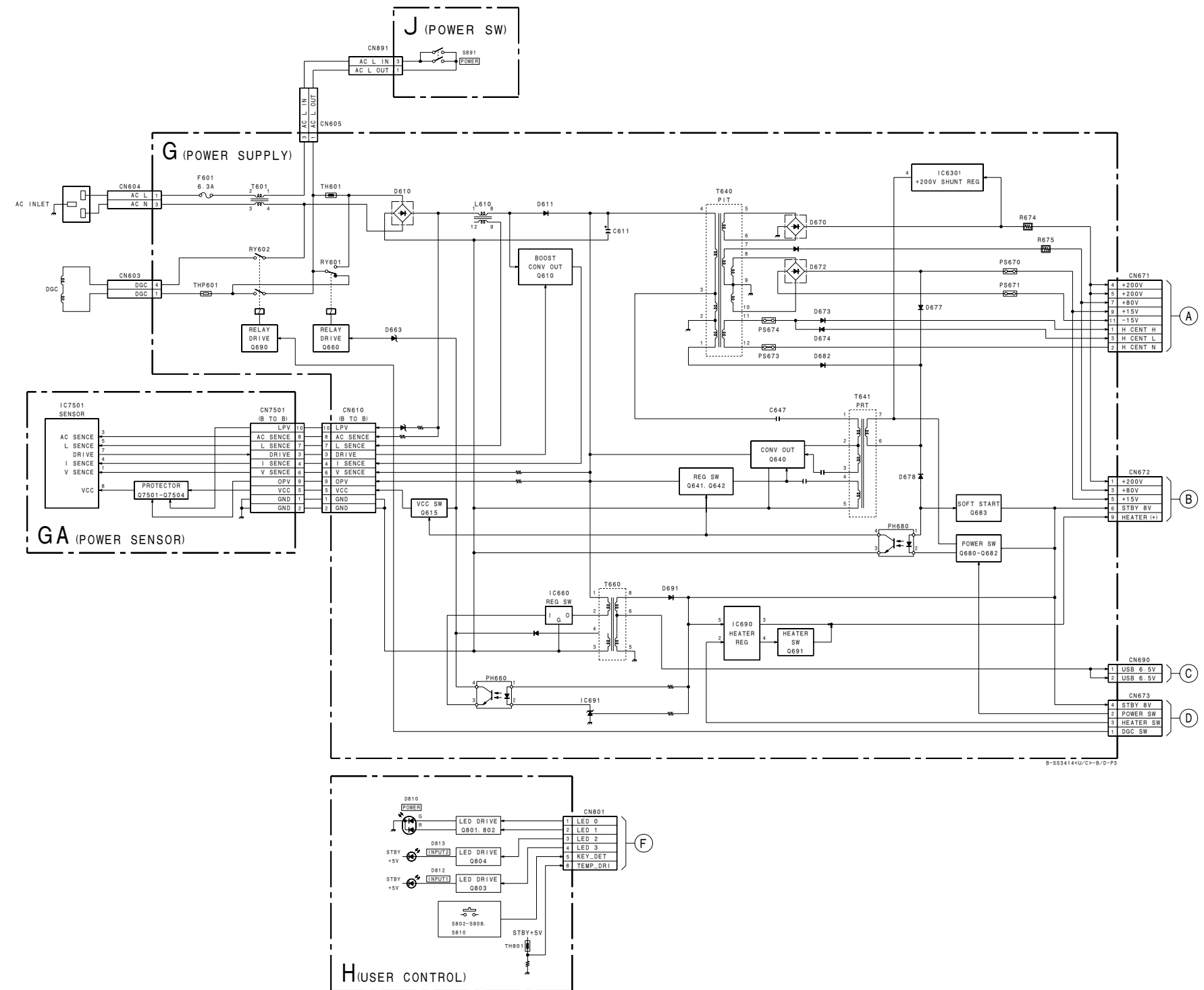
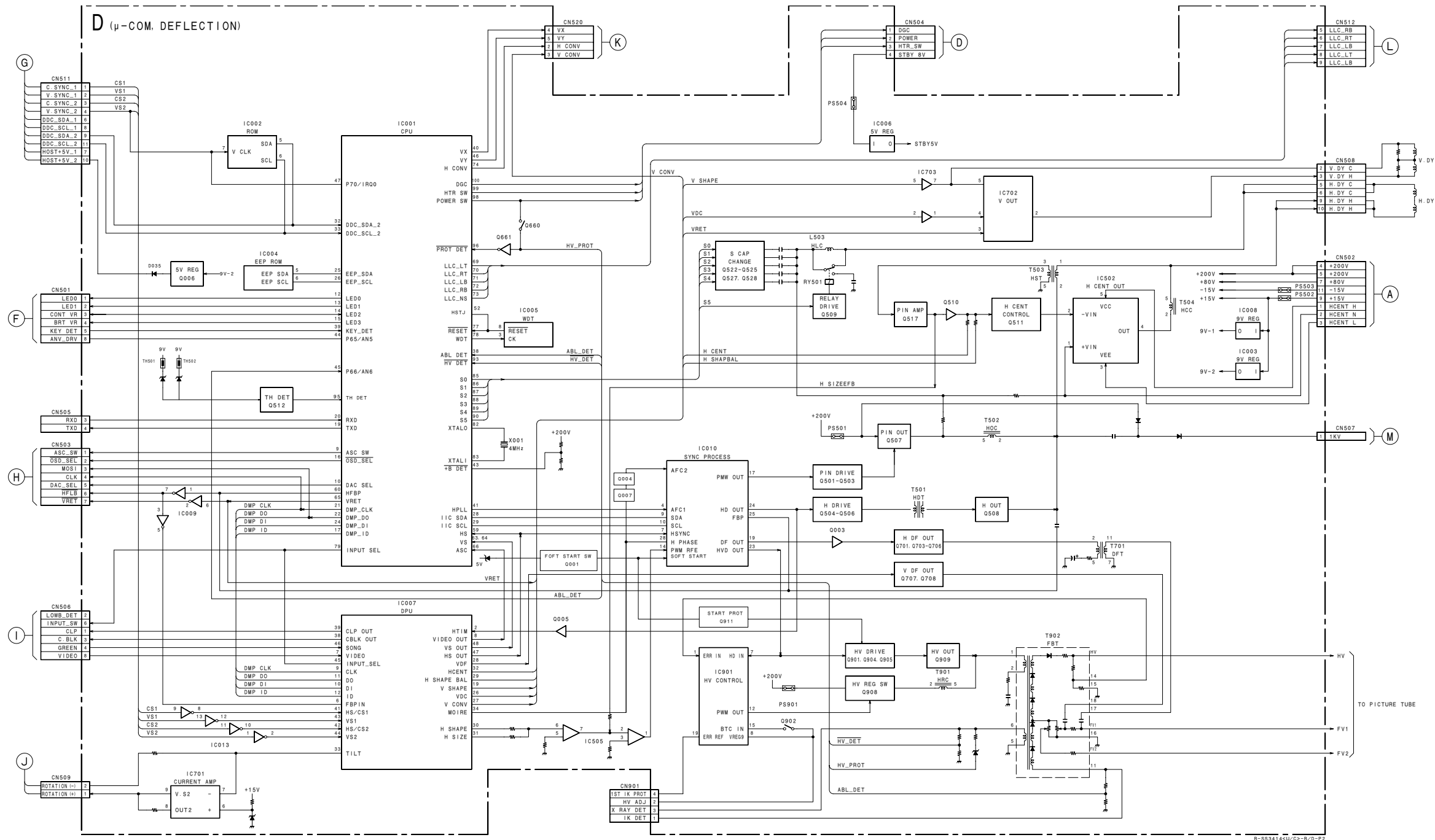
$$a \leq 3.2 \text{ mm}$$
$$b \leq 3.2 \text{ mm}$$

• Focus adjustment

Adjust the focus volume 1 and 2 (HDK 1 and 2) for the optimum focus.



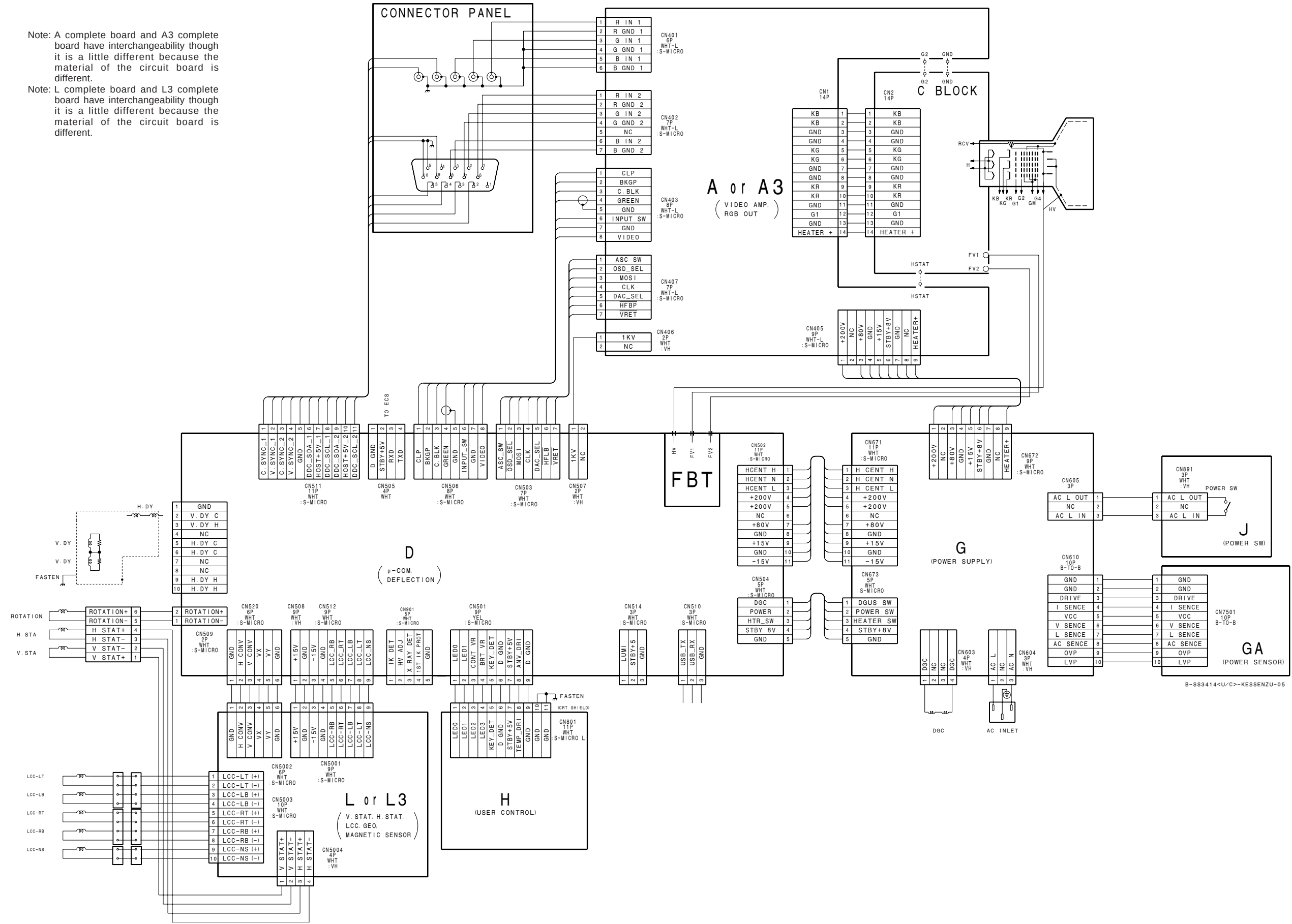




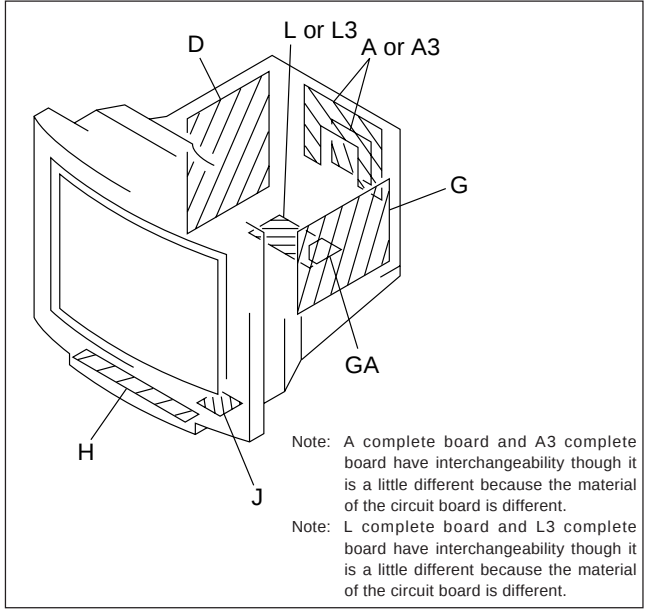
5-2. FRAME SCHEMATIC DIAGRAM

Note: A complete board and A3 complete board have interchangeability though it is a little different because the material of the circuit board is different.

Note: L complete board and L3 complete board have interchangeability though it is a little different because the material of the circuit board is different.



5-3. CIRCUIT BOARDS LOCATION



5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. (pF : μF) Capacitors without voltage indication are all 50 V.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm
Rating electrical power 1/4 W (CHIP : 1/10 W)

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth-ground.
- : earth-chassis.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. (See page 3-1)
- When replacing the part in below table, be sure to perform the related adjustment.

	Part replaced ()	
HV Regulator Circuit Check	D Board	IC901, T902 • Mounted D board
HV Protector Circuit Check	D Board	Q660, Q661, D916, D935, C924, R665, R667, R940, R980, T902 • Mounted D board
	G Board	PH680, Q680, Q683, D680, R680, R685, R686, R687, R688, R689 • Mounted G board
Beam Current Protector Circuit Check	D Board	IC901, D904, D907, D908, R011, R908, R909, R921, R925, R926, R929, R930, T902 • Mounted D board

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un tramé et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

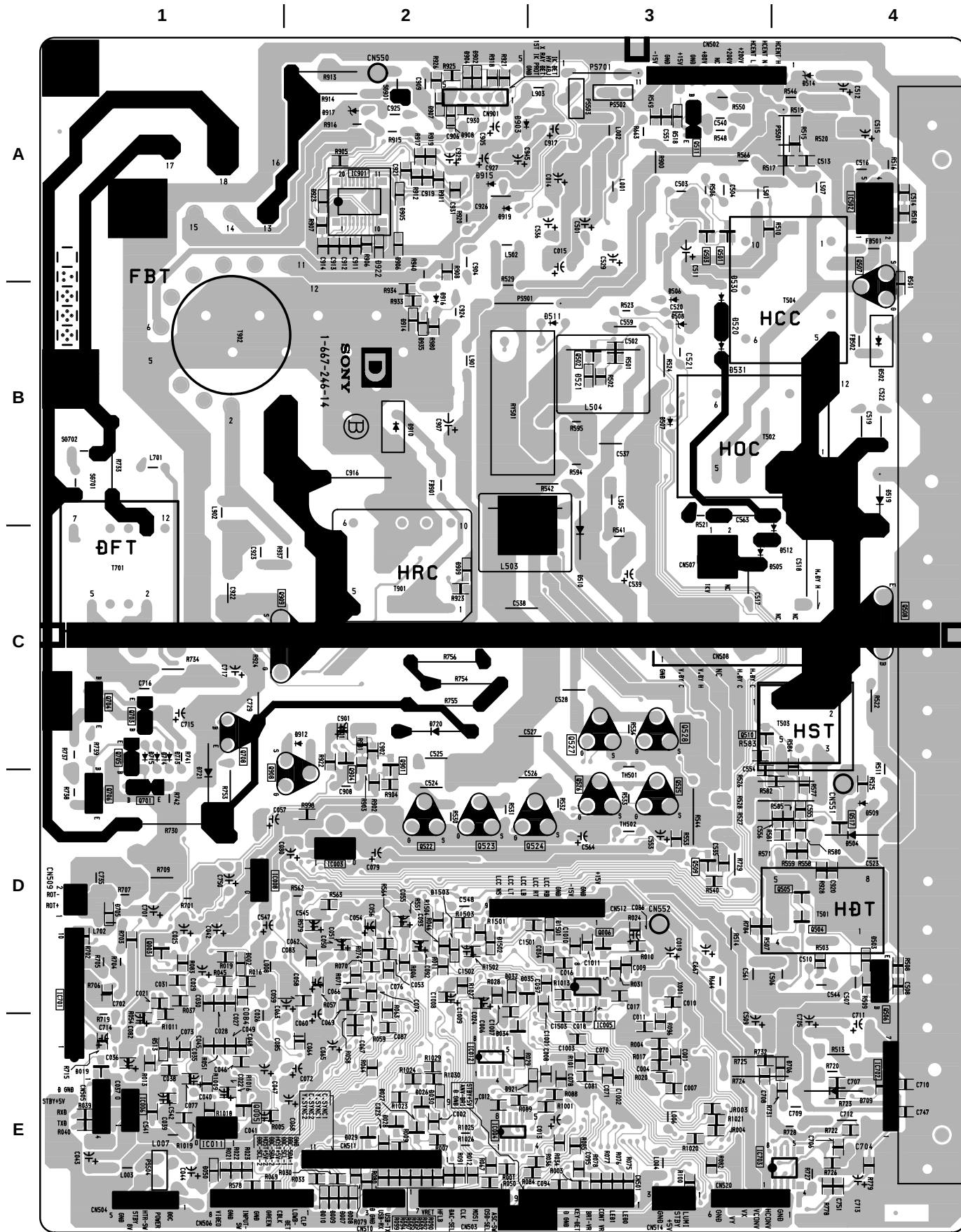
- All voltages are in V.
- Readings are taken with a 10 M digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- * : Can not be measured.
- Circled numbers are waveform references.
- : B + bus.
- : B – bus.

Terminal name of semiconductors in silk screen printed circuit (※)

	Device	Printed symbol	Terminal name	Circuit
①	Transistor		Collector Base Emitter	
②	Transistor		Collector Base Emitter	
③	Diode		Cathode Anode	
④	Diode		Cathode Anode (NC)	
⑤	Diode		Cathode Anode (NC)	
⑥	Diode		Common Anode Cathode	
⑦	Diode		Common Anode Cathode	
⑧	Diode		Common Anode Anode	
⑨	Diode		Common Anode Anode	
⑩	Diode		Common Cathode Cathode	
⑪	Diode		Common Cathode Cathode	
⑫	Diode		Anode Anode Cathode	
⑬	Transistor (FET)		Drain Source Gate	
⑭	Transistor (FET)		Drain Source Gate	
⑮	Transistor (FET)		Source Drain Gate	
⑯	Transistor (FET)		Emitter Collector Base	
⑰	Transistor		Emitter Collector Base	
—	Discrete semiconductor			

(Chip semiconductors that are not actually used are included.)

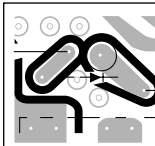
Ver.1.5



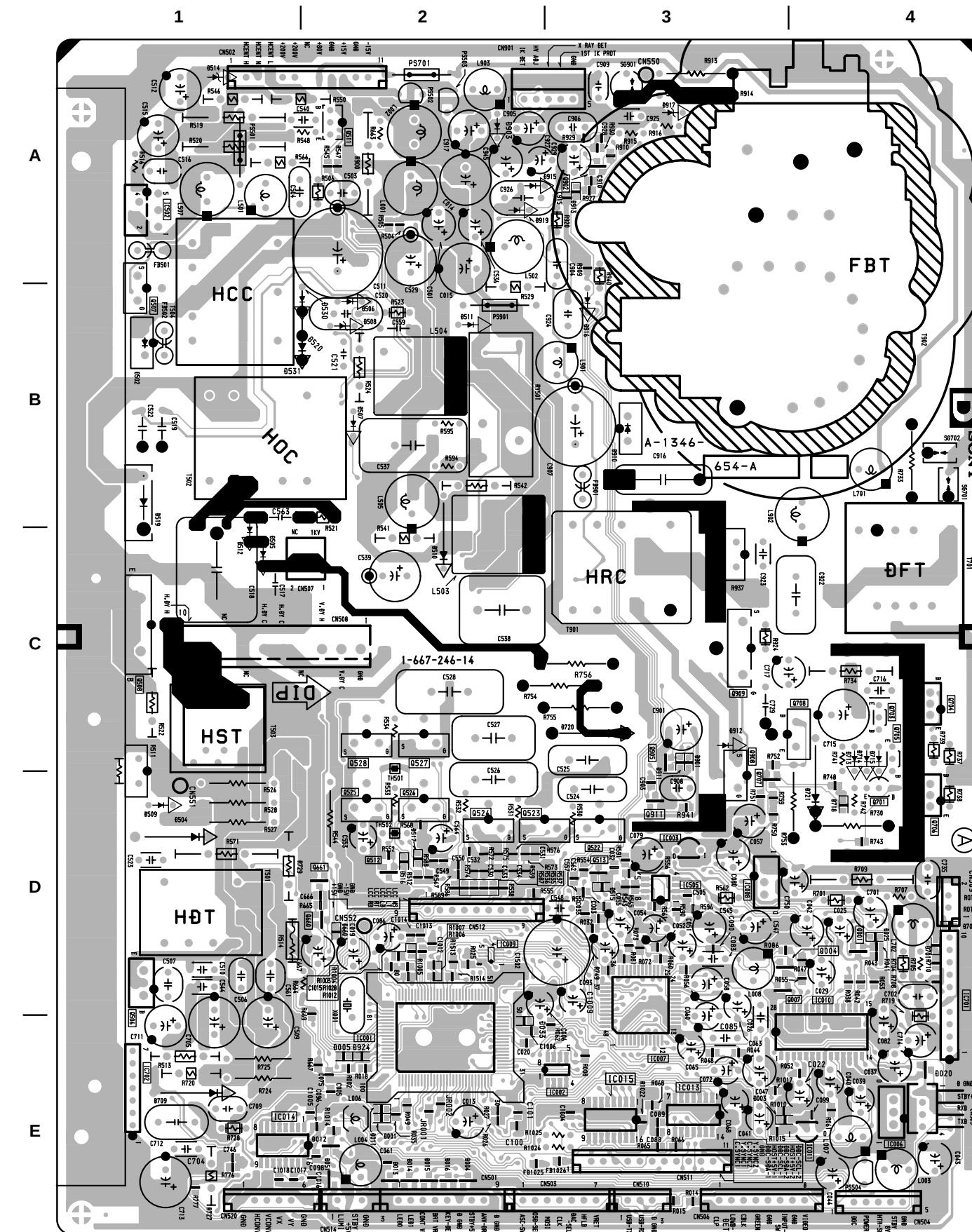
• D BOARD SEMICONDUCTOR LOCATION

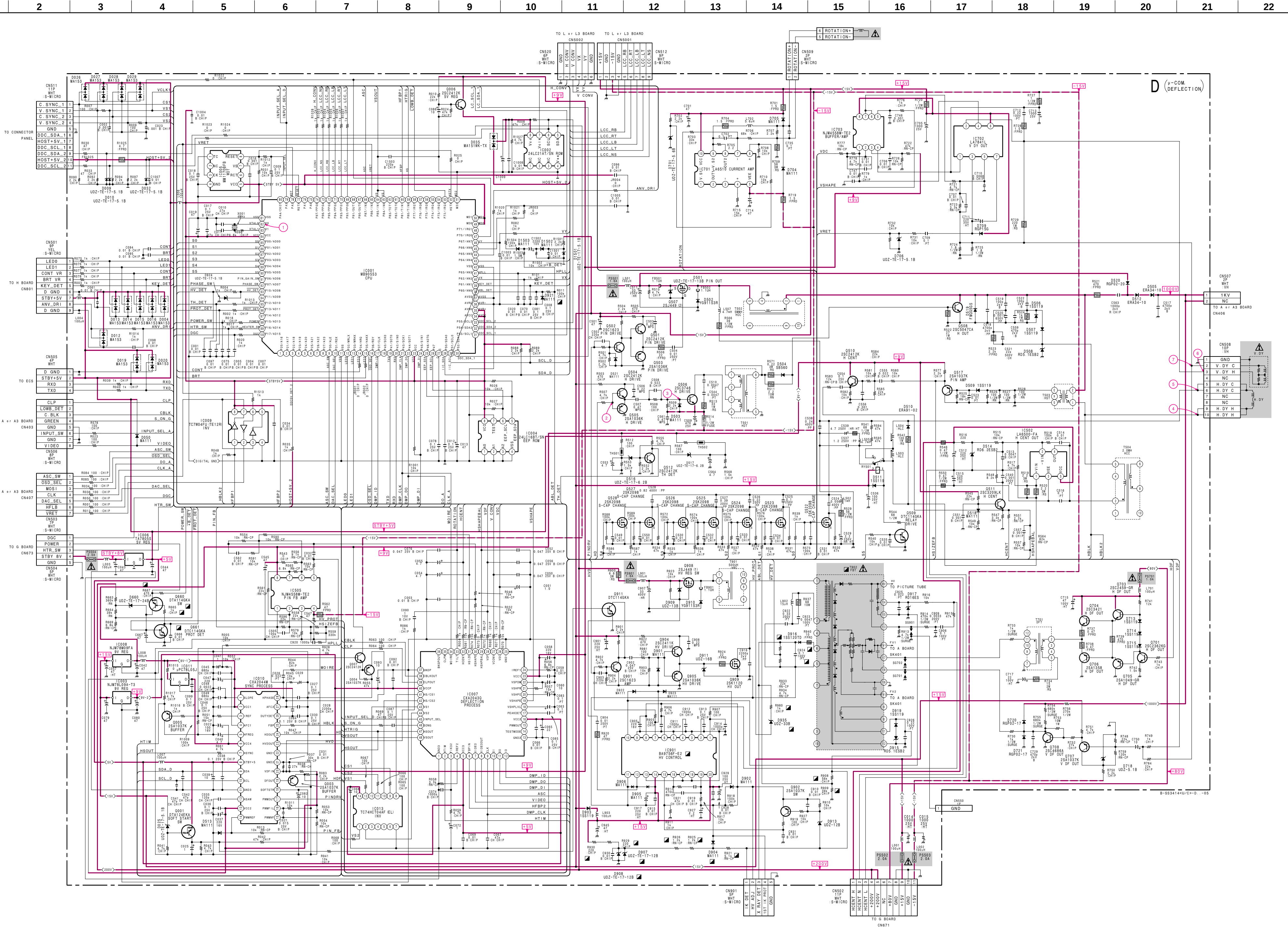
IC	(Conductor Side) (Component Side)							
	(Conductor Side)	(Component Side)						
IC001		E-2	Q660	D-2	②	D513	E-1	③
IC002		E-3	Q661	D-2	②	D514	A-4	③
IC003	D-2	D-3	Q701	D-4	—	D516		③
IC004	E-2		Q703	C-1	—	D517		③
IC005	D-3		Q704	C-1	—	D518	A-3	③
IC006	E-1		Q705	C-1	—	D519	B-4	③
IC007			Q706	D-1	—	D520	B-3	③
IC008	D-1		Q707	D-3	②	D521	B-3	③
IC009			Q708	C-1	—	D660		③
IC010	E-1	E-4	Q901	C-2	①	D701	D-2	③
IC011		D-3	Q902		②	D704	D-4	③
IC013		D-2	Q904	C-2	①	D706	D-5	③
IC502	A-4	E-4	Q905	A-3	②	D707		③
IC505		E-3	Q908	C-3	②	D709	E-1	③
IC701	D-1	E-1	Q909	C-2	—	D713	C-4	③
IC702	E-4		Q911	D-3	②	D714	C-4	③
IC703	E-3					D715	C-4	③
IC901	A-2	E-1				D718	D-4	③
			DIODE					
			(Conductor Side)	(Component Side)				
				*				
			TRANSISTOR					
			(Conductor Side)	(Component Side)				
				*				
Q001		D-4	D004	E-2	⑦	D902	A-2	③
Q003			D009	E-2	③	D903	A-2	③
Q004			D010	E-2	③	D904	A-2	③
Q005	D-1	D-4	D012	E-2	⑦	D905	A-2	③
Q006	D-3		D013	E-2	⑦	D906	A-2	③
Q007		D-4	D014	E-2	⑦	D907	A-2	③
Q501	A-3		D015	E-2	⑦	D908	A-2	③
Q502	B-3		D016	E-2	⑦	D909	C-2	③
Q503	A-3		D019	E-1	⑧	D910	B-2	③
Q504	D-4		D020	E-4	⑦	D911	C-3	③
Q505	D-4		D025	D-4	⑧	D913	A-3	③
Q506	D-4	D-1	D026	E-2	⑧	D915	A-2	③
Q507	A-4	A-1	D027	E-2	⑧	D916	B-2	③
Q508	C-4	C-1	D028	E-2	⑧	D917	A-2	③
Q509	D-3		D029	E-2	⑧	D919	A-2	③
Q510	C-3		D032	D-2	⑧	D921	E-3	③
Q511	A-3		D033	E-2	⑧	D922	A-2	③
Q512	A-2	D-2	D035	D-3	⑧	D923	A-2	③
Q517	D-4		D050	E-1	⑧	D924		③
Q522	D-2	D-3	D501	B-4	⑧	D935	B-2	③
Q523	D-2	D-2	D502	B-4	⑧	D1501	D-3	③
Q524	D-3	D-2	D503	D-4	⑧	D1502	D-2	③
Q525	D-3	D-2	D504	D-4	⑧	D1503	D-2	③
Q526	D-3	D-2	D505	C-3	⑧			
Q527	C-3	C-2	D506	B-3	⑧			
Q528	C-3	C-2	D507	B-2	⑧			
			D508	B-3	⑧			
			D509	D-4	⑧			
			D510	C-3	⑧			
			D511	B-3	⑧			
			D512	C-4	⑧			
			CRYSTAL					
			(Conductor Side)	(Component Side)				
			X001	D-3	D-2			

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 5-9)



NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.





• D BOARD WAVEFORMS

①

5.0 Vp-p (4MHz)

②

4.3 Vp-p (H)

③

2.0 Vp-p (H)

④

600 Vp-p (H)

⑤

120 Vp-p (H)

⑥

50.0 Vp-p (V)

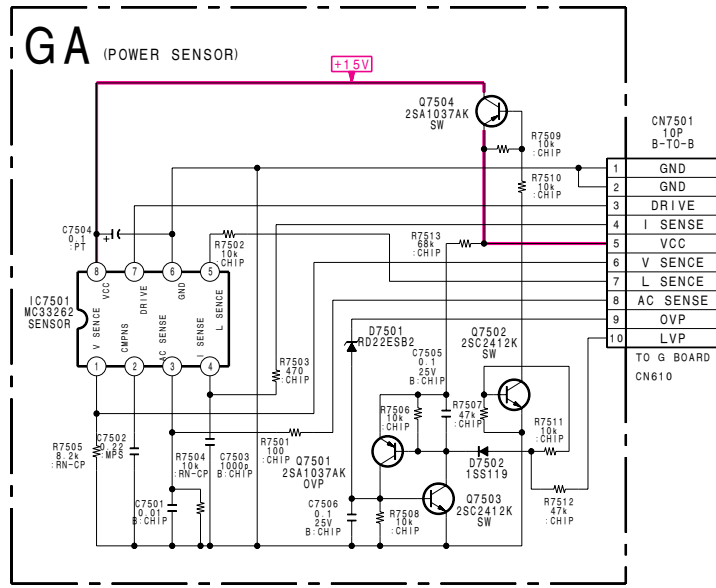
⑦

2.0 Vp-p (V)

• D BOARD IC701 LA6510

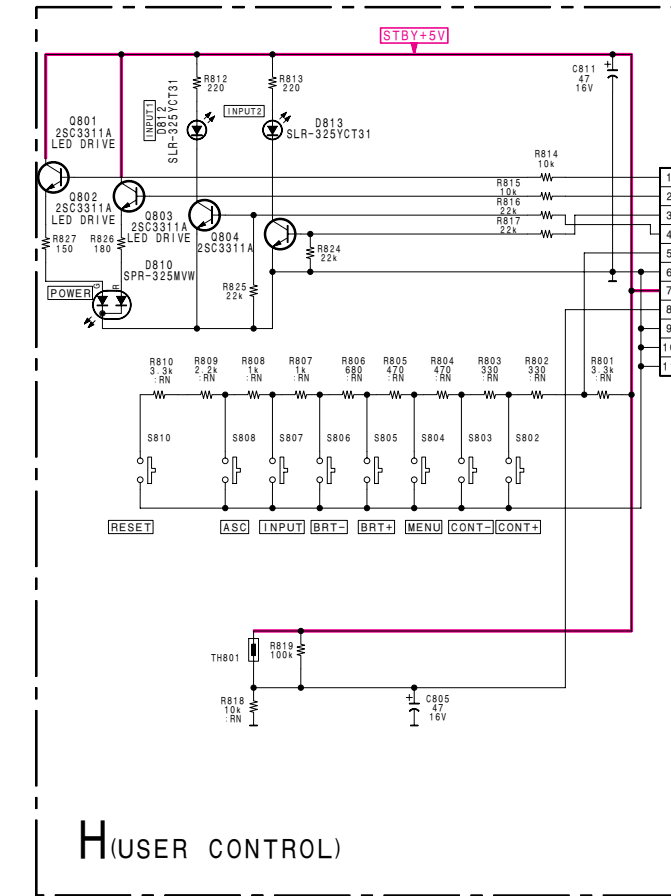
• D BOARD VOLTAGE LIST

Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
IC002	5	1.1		11	0
	6	4.2		12	11.2
	7	0		15	0
IC004	5	4.8		16	8.4
	6	4.8		19	9.2
IC005	1	0.4	Q003	B	5.1
	3	0		C	0
	7	1.5		E	5.7
	8	4.8	Q005	B	2.5
IC009	1	-0.1		C	0
	2	4.7		E	3.1
	3	4.5	Q501	B	11.2
	5	0.3		C	13.8
	6	0.3		E	10.8
	7	4.5	Q502	B	0.2
IC010	1	4.0		C	11.2
	3	3.0	Q503	B	11.2
	4	2.8		E	10.9
	5	2.3	Q504	B	2.5
	6	2.6		C	12.0
	7	0.6		E	2.5
	9	4.8	Q505	B	2.5
	10	4.8		E	2.4
	12	5.4	Q506	B	-14.0
	14	4.5		C	-0.2
	15	4.5		E	-14.0
	16	5.4	Q507	G	197.4
	17	1.0		D	41.8
	18	0	Q508	B	-1.4
	19	5.1		C	41.0
	20	3.7	Q509	B	0
	23	0.8		C	14.1
	24	2.5	Q510	B	4.5
	25	-0.1		E	3.9
	26	4.0	Q511	B	3.2
	27	4.0		C	33.5
	28	4.4		E	2.6
IC012	5	0.6	Q517	B	4.6
	6	3.9		E	5.1
	7	4.1	Q522	G	0
IC013	1	0		D	15.2
	2	4.9	Q523	G	4.7
	8	0.6		D	0
	9	3.6	Q524	G	4.7
	10	4.9		D	0
	11	0	Q525	G	4.7
	13	5.7		D	0
IC014	1	3.5	Q527	G	4.7
	3	3.5		D	0
	5	2.7	Q528	G	4.7
	9	0		D	0
	10	0.1	Q660	B	4.2
	12	4.9		C	0
	13	4.9		E	4.2
	14	3.2	Q661	B	0
	15	3.9		C	4.2
IC015	1	0.5	Q701	B	5.7
	2	4.2		E	36.0
	3	0.5		C	5.1
	4	0.5	Q703	B	37.9
	5	0		E	37.4
	6	0	Q704	B	37.4
	8	0		E	37.0
	9	0	Q705	B	36.0
	13	0		E	36.6
IC502	1	41.4	Q706	B	36.6
	2	41.4		E	37.0
	3	33.7	Q707	B	-0.6
	4	42.3		C	-5.0
	5	48.3		E	0
IC505	1	4.5	Q708	B	0.6
	2	0		C	477.0
	3	0	Q901	B	0.1
	5	0		C	9.9
	6	0	Q902	B	9.0
	7	-10.0		C	0
IC701	1	14.2		E	9.0
	2	14.2	Q904	B	8.6
	3	0		E	8.4
	4	3.6	Q905	B	8.6
	6	3.0		E	8.4
	7	3.0	Q908	G	196.6
	8	-0.7		D	40.1
	9	-0.7	Q909	G	8.4
IC702	2	0.4		D	40.4
	3	13.5			
	4	1.2			
	5	1.2			
	7	-13.0			
IC703	1	1.2			
	2	1.6			
	3	1.6			
	5	2.8			
	6	2.8			
	7	2.8			
IC901	1	9.3			
	2	5.6			
	4	5.0			
	6	1.1			
	7	0.9			
	8	9.3			
	10	0			



GA BOARD VOLTAGE LIST

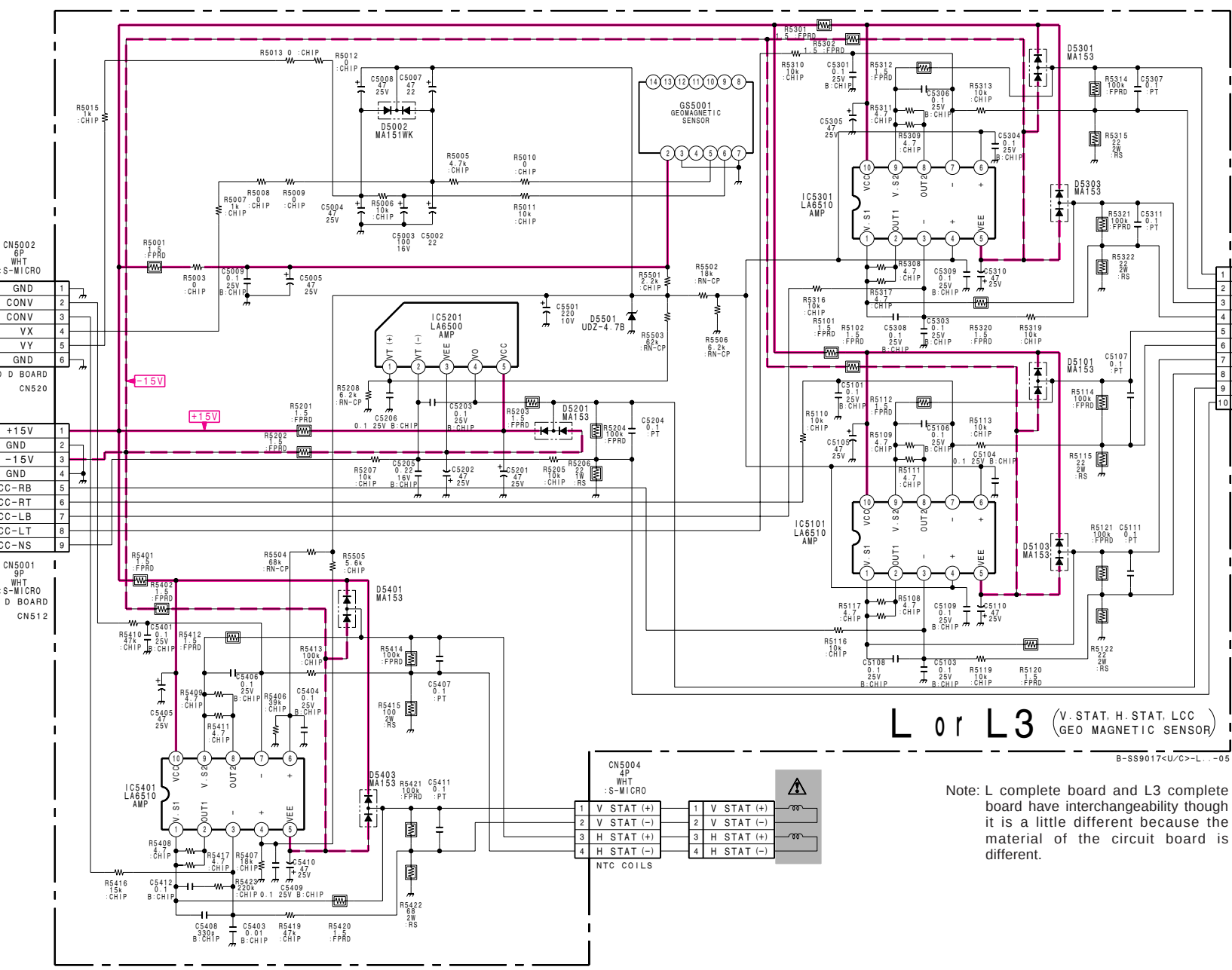
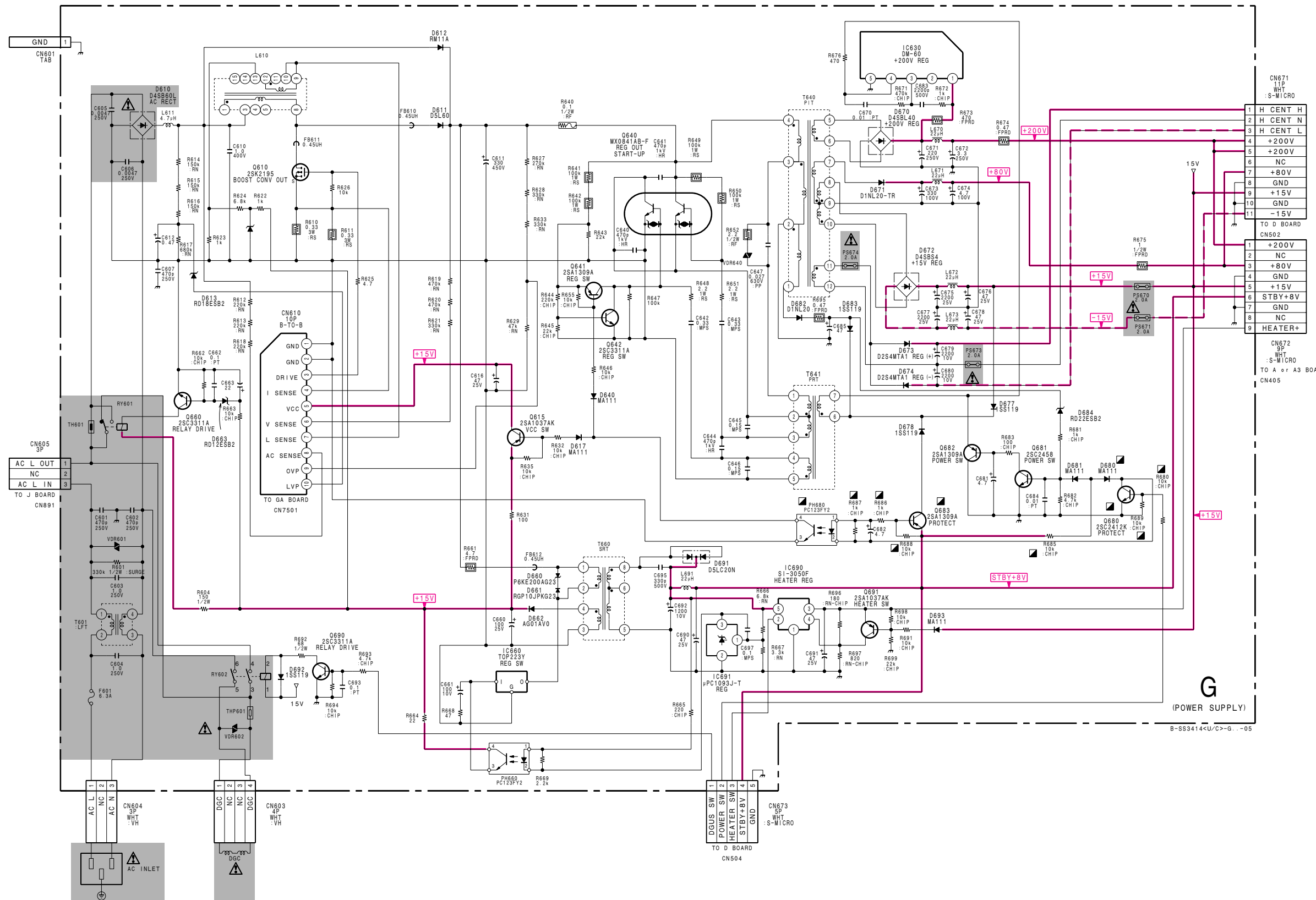
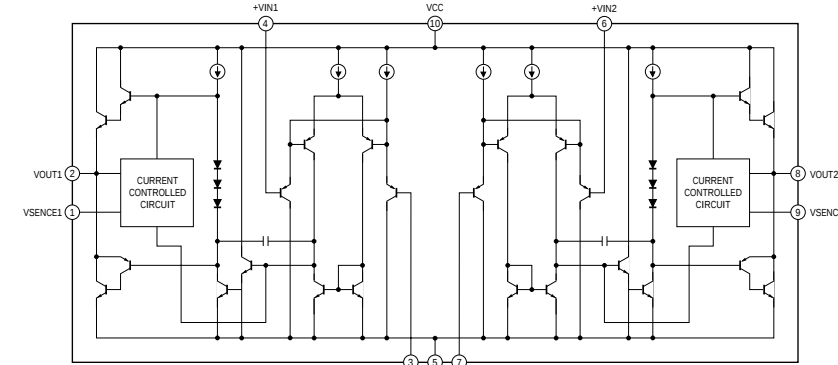
Ref.	Pin No.	Voltage [V]
IC7501	1	2.6
	2	2.5
	3	1.7
	4	0.2
	5	0
Q7501	B	14.0
	C	0
	E	14.0
Q7502	B	0.7
	C	0.1
Q7503	B	0
	C	14.0
Q7504	B	13.4



G BOARD VOLTAGE LIST

Ref.	Pin No.	Voltage [V]
IC630	3	2.5
	4	11.6
IC660	IN	6.1
	OUT	410.0
IC690	2	5.0
	3	6.7
	4	5.3
PH660	1	4.5
	2	3.3
	3	6.1
	4	16.7
PH680	1	1.3
	2	0.1
	3	0
	4	0.1
Q610	G	8.7
	D	102.4
	S	0.2
Q615	B	13.6
	C	14.2
	E	14.3
Q640	B1	-2.0
	C1	199.2
	B2	196.8
Q641	B	1.1
	C	-2.0
	E	2.0
Q642	B	-1.8
	C	-2.0
Q660	B	0.9
	C	0.3
Q680	B	0.8
	C	0
Q681	B	0.3
	C	11.7
Q682	B	11.7
	E	11.7
Q683	B	7.5
	C	8.3
Q690	B	0
	C	15.0
Q691	B	8.6
	C	5.3
	E	6.7

L or L3 BOARD IC5101, 5301, 5401 LA6510



L or L3 BOARD VOLTAGE LIST

Ref.	Pin No.	Voltage [V]
GS5001	5	2.8
	6	2.8
IC5101	1	1.0
	2	1.0
	3	1.2
	4	1.2
	6	1.2
	7	1.2
	8	-0.2
	9	-0.2
IC5201	1	1.2
	2	1.2
	4	1.1
IC5301	1	-0.2
	2	-0.2
	3	1.2
IC5401	4	1.2
	6	1.2
	7	1.2
	8	0.4
	9	0.4

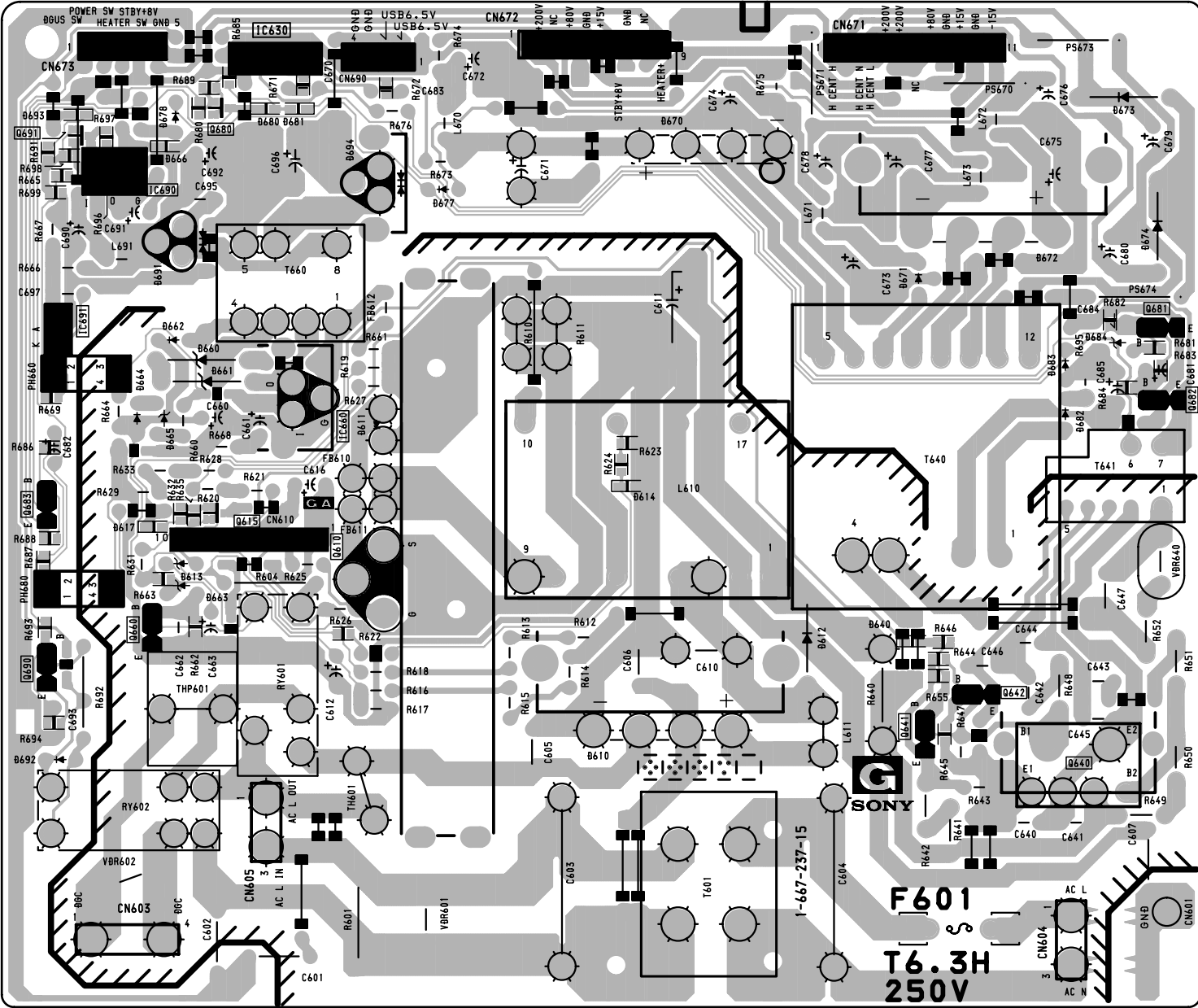
Note: L complete board and L3 complete board have interchangeability though it is a little different because the material of the circuit board is different.

G [POWER SUPPLY] **H** [USER CONTROL]

GA [POWER SENSOR]

L or L3 [V.STAT, H.STAT, LLC, GEO MAGNETIC SENSOR]

— G BOARD —

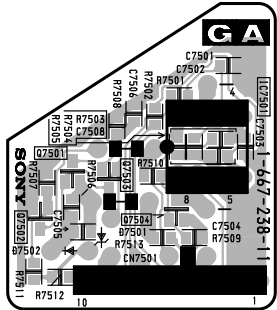


G BOARD
Terminal name of semiconductors
in silk screen printed circuit (*)

Ref.	*
Q615, Q680, Q691	①
D614, D617, D640, D666, D680, D681, D693	③

※: Refer to Terminal name of
semiconductors in silk screen
printed circuit (see page 5-9)

— GA BOARD —

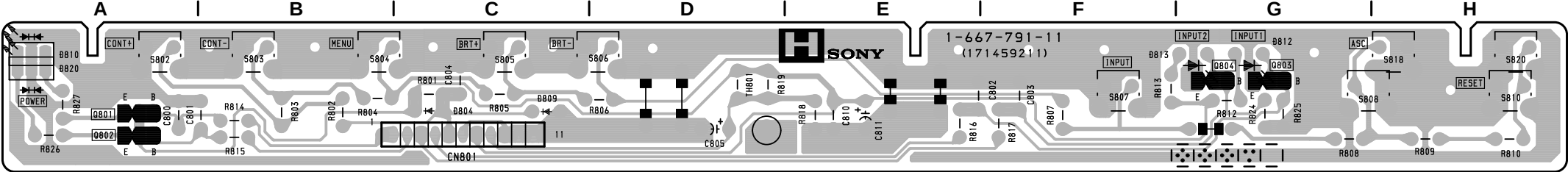


GA BOARD
Terminal name of semiconductors
in silk screen printed circuit (*)

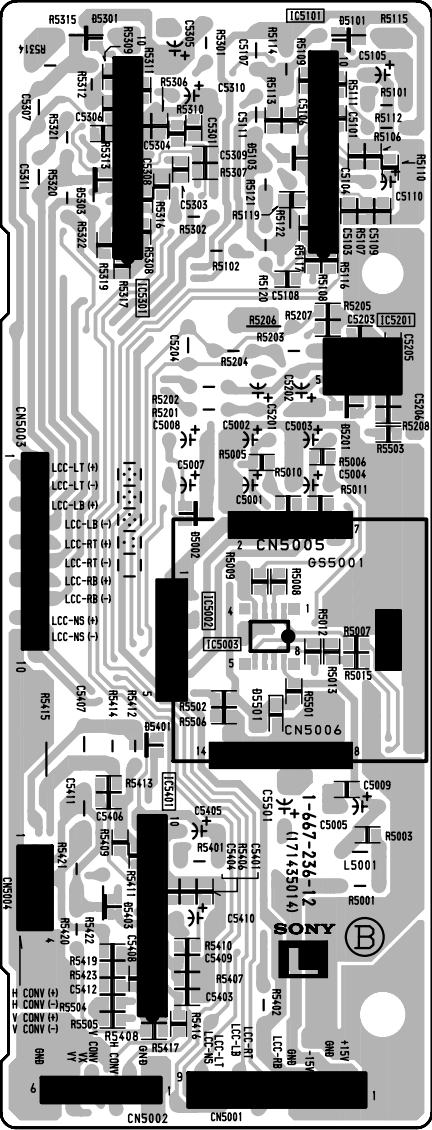
Ref.	*
Q7501-Q7504	①

※: Refer to Terminal name of
semiconductors in silk screen
printed circuit (see page 5-9)

— H BOARD —



— L or L3 BOARD (Conductor Side) —

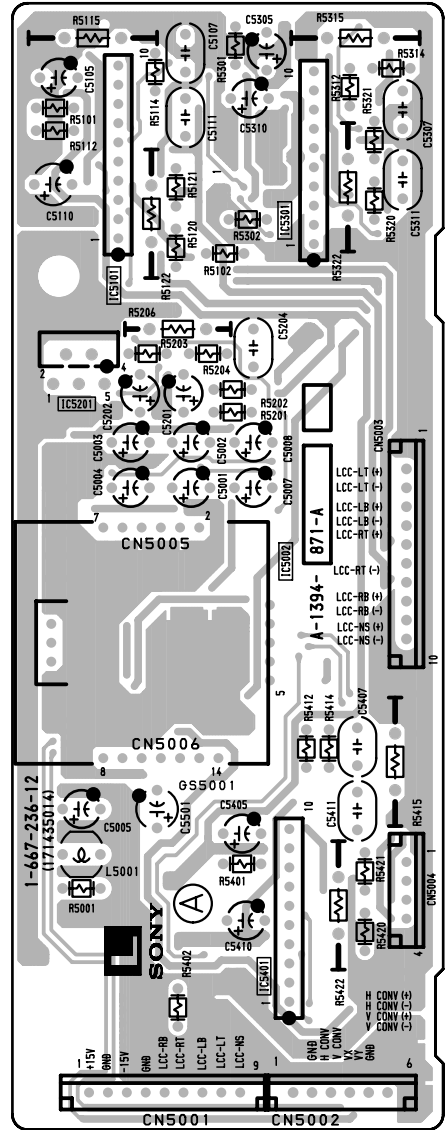


L or L3 BOARD
Terminal name of semiconductors
in silk screen printed circuit (*)

Ref.	*
D5501	③
D5101, D5103, D5201, D5301, D5303, D5401, D5403	⑥
D5002	⑧

※: Refer to Terminal name of
semiconductors in silk screen
printed circuit (see page 5-9)

— L or L3 BOARD (Component Side) —



Schematic diagram

L or L3 board →

Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	
IC402	1	1.1		E	6.8	
	3	2.8	Q106	B	112.6	
	4	3.7		E	113.3	
	9	1.1	Q201	B	2.7	
	12	2.8		E	3.5	
	13	3.8	Q205	B	7.4	
	14	1.1		C	109.9	
	17	2.8		E	6.8	
	18	3.9	Q206	B	109.9	
	23	1.1		E	110.4	
	25	3.3	Q301	B	2.7	
	26	0.7		E	3.4	
	27	2.4	Q305	B	7.4	
	28	1.2		C	113.1	
	35	4.4		E	6.8	
	37	2.7	Q306	B	113.1	
	40	4.4		E	113.7	
	IC403	42	2.7	Q401	B	3.6
		49	4.4		C	0.7
		51	2.7		E	4.3
52		2.1	Q406	B	7.9	
				E	9.0	
			Q410	B	9.7	
				C	484.0	
				E	9.1	
Q101		B	2.8	SK401	KR	87.0
		E	3.5		KG	87.0
Q105		B	7.3		KB	87.0
		C	112.6		G2	474.0
			H2		6.5	

Ref. No.	A BOARD	A3 BOARD
C109	27pF CH:CHIP	33pF CH:CHIP
C113	100K :CHIP	#
C213	100K :CHIP	#
C309	27pF CH:CHIP	22pF CH:CHIP
C313	100K :CHIP	#
C413	100K :CHIP	#
JR401	#	0
JR402	#	0
JR403	#	0
JR404	#	0
Q202	2SC3545-T1T43T44	2SC2735JTL
R112	39 :RN-CP	56 :RN-CP
R129	1M :CHIP	560K :CHIP
R140	2.2M :CHIP	#
R145	#	470K :CHIP
R229	1M :CHIP	560K :CHIP
R240	2.2M :CHIP	#
R245	#	470K :CHIP
R312	68 :RN-CP	47 :RN-CP
R329	1M :CHIP	560K :CHIP
R340	2.2M :CHIP	#
R345	#	470K :CHIP
R461	100K 1/4W	100K 1/2W

Note: A complete board and A3 complete board have interchangeability though it is a little different because the material of the circuit board is different.

A or A3

VIDEO AMP
RGB OUT

• A or A3 BOARD
SEMICONDUCTOR
LOCATION

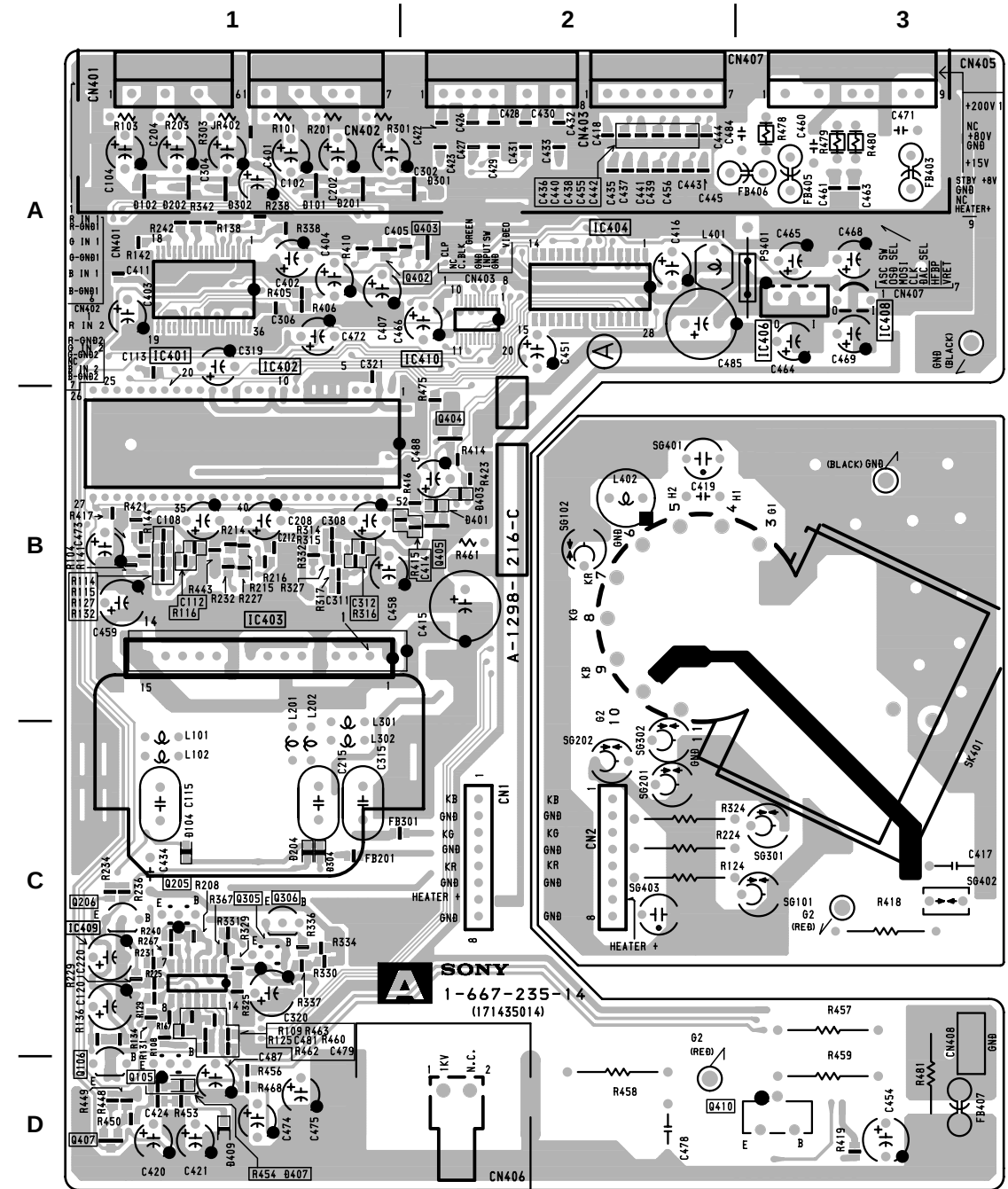
IC	
(Conductor Side)	(Component Side)
IC401	A-1
IC402	B-3
IC403	B-3
IC404	B-3
IC406	A-1
IC408	A-1
IC409	A-1
IC410	A-2

TRANSISTOR	
(Conductor Side)	(Component Side)
Q101	B-3
Q105	D-3
Q106	D-3
Q201	B-3
Q202	A-3
Q205	C-3
Q206	C-3
Q301	B-3
Q305	C-3
Q306	C-3
Q401	A-2
Q402	A-1
Q403	A-2
Q404	B-2
Q405	B-2
Q406	D-1
Q408	D-3
Q409	D-3
Q410	D-1

DIODE	
(Conductor Side)	(Component Side)
D101	A-1
D102	A-1
D103	B-3
D104	C-1
D105	C-3
D106	B-3
D107	B-3
D201	A-1
D202	A-1
D203	B-3
D204	C-1
D205	C-3
D206	B-3
D207	B-3
D301	A-2
D302	A-1
D303	B-3
D304	C-1
D305	C-2
D306	B-2
D401	B-3
D402	B-3
D403	B-2
D404	C-3
D405	D-3
D406	D-3
D407	D-1
D408	D-1
D409	D-1
D410	B-2

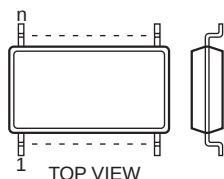
※: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 5-9)

— A or A3 BOARD (Component Side) —



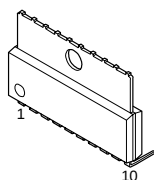
5-5. SEMICONDUCTORS

BA9756FS-E2
M62352GP-75E
M62352GP-75ED



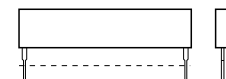
20 pin SOP

LA6510



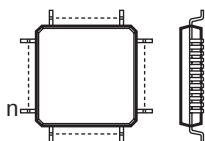
LA7841L

MARKING SIDE VIEW



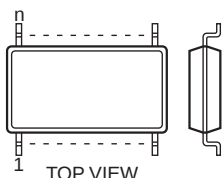
7 pin SIP

CXA2043Q



48 pin QFP

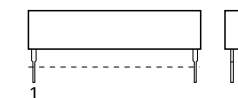
CXA2044M
LSC4380DW2AR2



28 pin SOP

DM-60

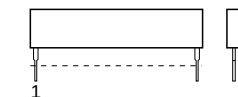
MARKING SIDE VIEW



5 pin SIP

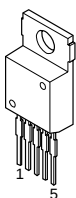
FA4111

MARKING SIDE VIEW

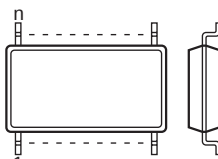


14 pin SIP

LA6500-FA

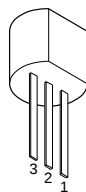


NJM4558M
TC7W04FU
μPC4558G2
24LC16BT/SN
24LC21AT/SN

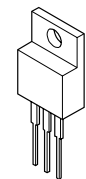


8 pin SOP

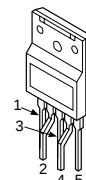
NJM78L05A
NJM78L09A
TA78L05S
TA78L09S



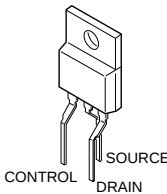
NJM78M09FA
NJM7812FA
TA7805S



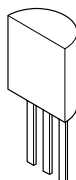
SI-3050F



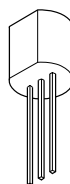
TOP223Y-BB



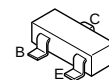
μPC1093J



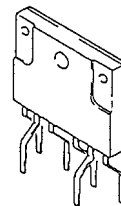
μPC78L05J



DTA114GKAT146
DTA124EKA-T146
DTC114GKA
DTC114GKAT146
DTC124EK
DTC124EKA-T146
2SA1036K-Q
2SA1036K-T-146-Q
2SA1037AK-T146-QR
2SA1037AK-T146-R
2SA1037K-T-146-QR
2SA1162G
2SA1462-Y33
2SA1738-TX
2SB709A-QRS-TX
2SC1623-L5L6
2SC2411K-CQ
2SC2411K-T-146-CQ
2SC2412K-T-146-QR
2SC3545-T43
2SC2735JTL



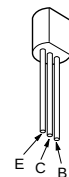
MX0841AB-F



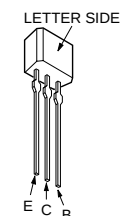
2SA1049-GR
2SC2458-YGR
2SC2459-GR



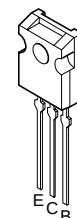
2SA1091-O
2SC2362K-G



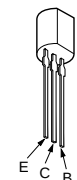
2SA1175-HFE
2SA1309A-QRSTA
2SC2784
2SC2785-HFE
2SC3311A-QRSTA



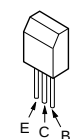
2SA1358-Y
2SC3421-Y



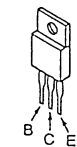
2SC2362KG-AA



2SC3209LK



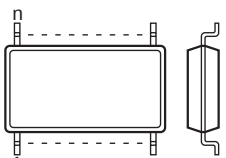
2SC3746
2SC5022-02
2SJ449
2SJ449 (1)
2SJ449 (2)



2SC4015TV2

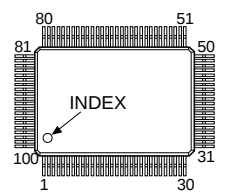


LM324M
TC74HCT04AF

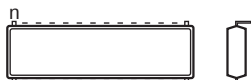


14 pin SOP

MB90553PF-G-120-BND



MC33262P
MM1170BFB



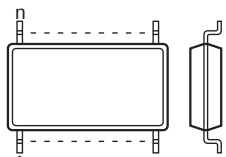
8 pin DIP

M52722P



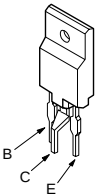
52 pin DIP

M52755FP

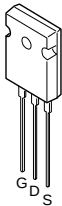


52 pin DIP

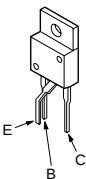
2SC5047-CA



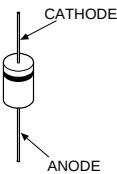
2SK1120LBSony2
2SK2098-01MR



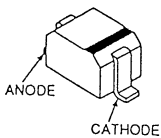
2SK2195F04



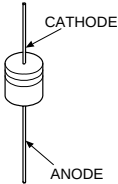
AG01A-V0
ERA91-02
S2LA20F



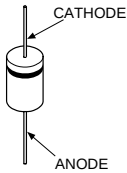
DTZ-TT11-16B
DTZ10B
DTZ13B
DTZ24B
DTZ33B
DTZ4.7C
DTZ5.1B
MA111-TX
RD12SB2
RD5.6SB
UDZ-TE-17-10B
UDZ-TE-17-12B
UDZ-TE-17-13B
UDZ-TE-17-16B
UDZ-TE-17-24B
UDZ-TE-17-33B
UDZ-TE-17-4.7B
UDZ-TE-17-5.1B
UDZ-TE-17-5.6B
UDZ-TE-17-6.2B



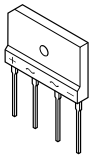
D1NL20-TR
GMA01
RD12ES-B2
RD16ES-B2
RD16ES-B3
RD18ES-B2
RD22ES-B2
RD5.1ES-B2
RD6.2ESB2
1SS119-25TD
1SS119-25
1SS120TD



D2S4MF
D2S4MTA1



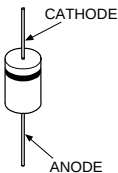
D4SBS4
D4SBS4-F
D4SBL40
D4SB60L



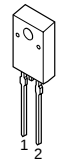
D5LC20U



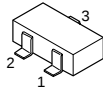
EGP20G
ERA34-10
RGP02-17EL-6433
RGP02-17PKG23
RGP02-20EG23
RGP02-20EL-6394
RGP15GPKG23
UF4005PKG23



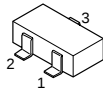
FMQ-G5GS
D5L60



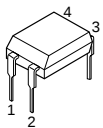
MA151WK
1SS184



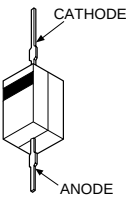
MA153
1SS226



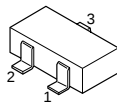
PC123F2
PC123FY2



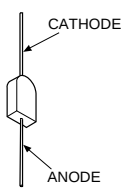
P6KE200AG23



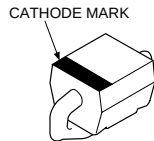
RD6.2M-B1



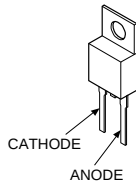
RM11A
RM11C



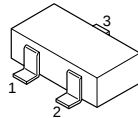
SB560



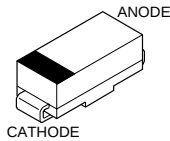
YG911S3R



1PS226-115



1SS376TE-17



SECTION 6

EXPLODED VIEWS

GDM-500PS/500PST/500PST9

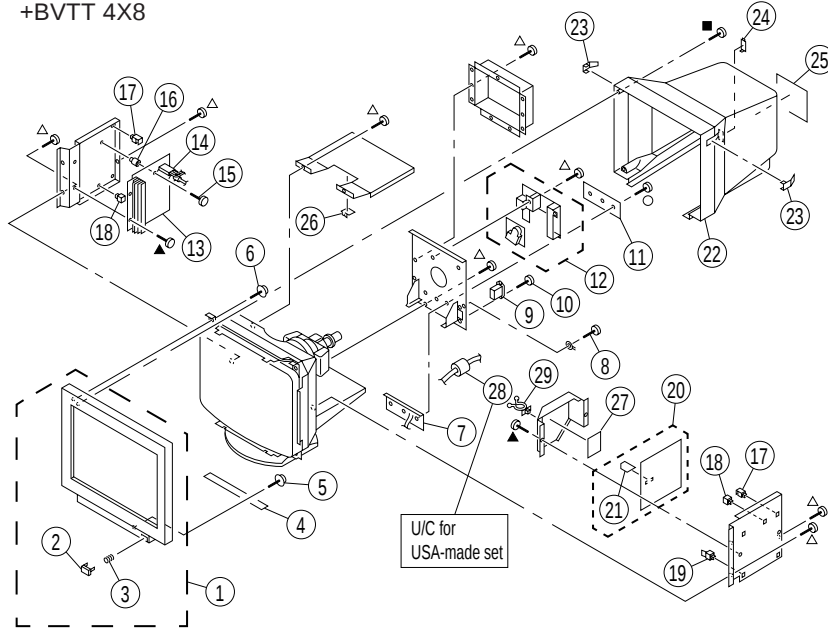
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine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

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

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

6-1. CHASSIS

- $\blacktriangle$ 7-685-647-79 +BVTP 3X10
- $\blacksquare$ 7-685-663-71 +BVTP 4X16
- $\bigcirc$ 7-685-872-09 +BVTT 3X8
- $\triangle$ 7-685-881-09 +BVTT 4X8



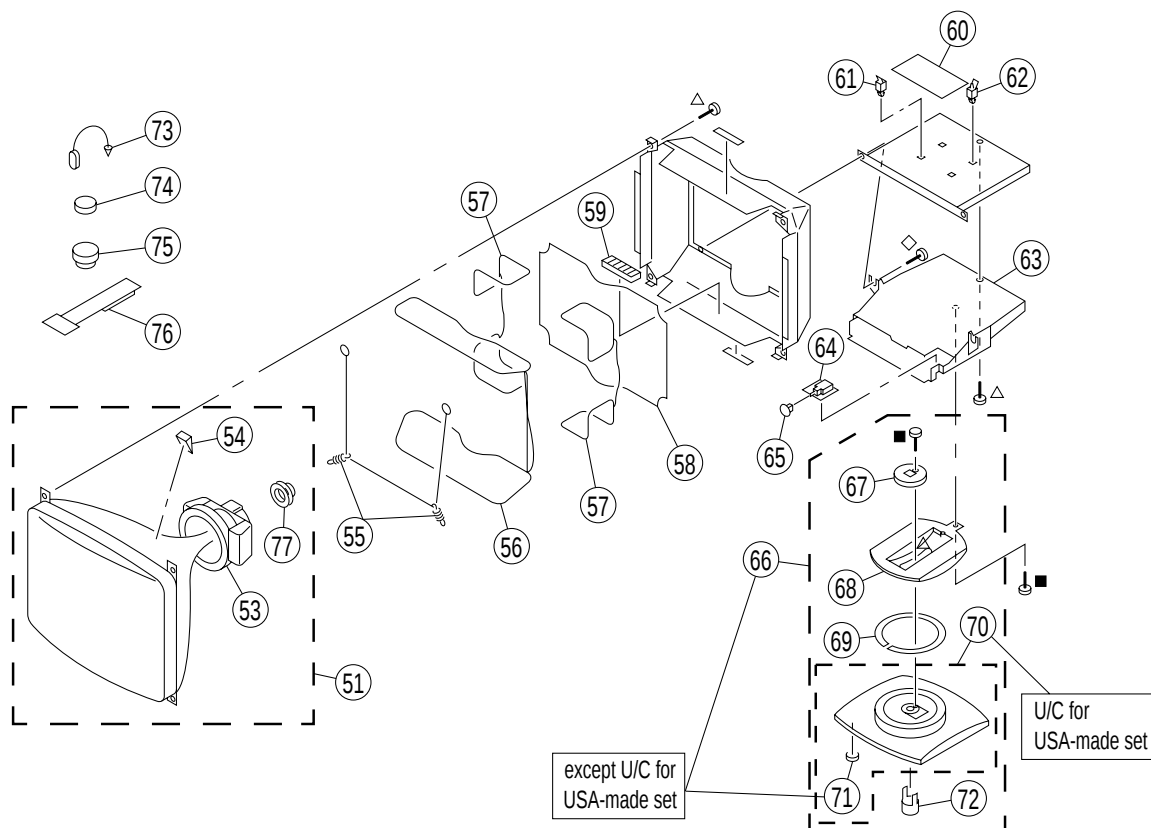
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4035-037-1	BEZEL ASSY [EQ,SH,U/C/AEP for Japan-made set]	2,3	18	* 4-382-848-01	HOLDER, PRINTED CIRCUIT BOARD	
1	X-4035-513-1	BEZEL ASSY [U/C for USA-made set]	2,3	19	* 3-703-141-00	HOLDER, PRINTED CIRCUIT BOARD	
1	X-4200-449-1	BEZEL ASSY [AEP for UK-made set]	2,3	20	* 8-933-277-00	G BOARD, COMPLETE	21
2	4-061-598-01	BUTTON POWER [EQ,SH,U/C/AEP for Japan-made set]		21	* 8-933-269-00	GA BOARD, COMPLETE	
2	4-064-127-01	BUTTON POWER [U/C for USA-made set]		22	4-061-604-01	CABINET [EQ,SH,U/C/AEP for Japan-made set]	
2	4-204-321-01	BUTTON, POWER [AEP for UK-made set]		22	4-064-123-01	CABINET [U/C for USA-made set]	
3	4-042-593-01	SPRING, COMPRESSION [except U/C for USA-made set]		22	4-204-317-31	CABINET [AEP for UK-made set]	
3	4-042-593-11	SPRING, COMPRESSION [U/C for USA-made set]		23	4-061-605-01	COVER, SCREW [EQ,SH,U/C/AEP for Japan-made set]	
4	* 8-933-278-00	H BOARD, COMPLETE		23	4-064-132-01	COVER, SCREW [U/C for USA-made set]	
5	4-029-432-01	SCREW (3X12), (+) BVWHTP		23	4-204-327-31	COVER, SCREW [AEP for UK-made set]	
6	4-365-808-01	SCREW (5), TAPPING [except AEP for UK-made set]		24	4-060-358-21	COVER, ECS [EQ,SH,U/C/AEP for Japan-made set]	
6	4-203-648-01	SCREW (5), SELF TAPPING [AEP for UK-made set]		24	4-061-155-11	COVER, ECS [U/C for USA-made set]	
7	* 1-694-313-12	TERMINAL BOARD ASSY, I/O		24	4-204-328-31	COVER, ECS [AEP for UK-made set]	
8	4-389-025-01	SCREW (M4) (EXT TOOTH WASHER)		25	* 4-062-585-01	LABEL, INFORMATION [U/C for Japan-made set]	
9	Δ 1-251-382-12	INLET, AC 3P (WITH NOISE FILTER)		25	* 4-062-586-01	LABEL, INFORMATION [500PST AEP for Japan-made set]	
10	4-052-345-01	SCREW, (3X8) (+K), TAPPING		25	* 4-064-134-01	LABEL, INFORMATION [U/C for USA-made set]	
11	4-060-368-12	SHEET, CONNCTOR		25	* 4-064-599-01	LABEL, INFORMATION [EQ]	
12	* 8-933-275-00	A BOARD, COMPLETE		25	* 4-064-598-01	LABEL, INFORMATION [SH]	
12	* 8-933-364-00	A3 BOARD, COMPLETE		25	* 4-204-329-02	LABEL, INFORMATION [500PST AEP for UK-made set]	
Note: A complete board and A3 complete board have interchangeability though it is a little different because the material of the circuit board is different.				25	* 4-204-840-01	LABEL, INFORMATION [500PST9 AEP for UK-made set]	
13	* 8-933-276-00	D BOARD, COMPLETE	14	25	4-070-098-01	LABEL, INFORMATION [500PST9 AEP for Japan-made set]	
14	Δ X-4035-170-1	TRANSFORMER ASSY, FLYBACK (NX-4142/J1D4)		26	* 4-063-711-01	SUPPORT, HV CABLE	
15	4-062-115-01	SCREW +P 3.5X20 TYPE2		27	* 4-061-694-01	SHEET, INSULATE	
16	* 4-060-359-01	HOLDER, PRINTED CIRCUIT BOARD		28	1-543-793-11	FITER, CLAMP (FERRITE CORE) [U/C for USA-made set]	
17	* 3-701-903-11	HOLDER, PRINTED CIRCUIT BOARD		29	2-132-434-01	CLIP, WIRE	

6-2. PICTURE TUBE

■	7-685-663-71	+BVTP 4X16
△	7-685-881-09	+BVTT 4X8
◇	7-685-883-01	+BVTT 4X12

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

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

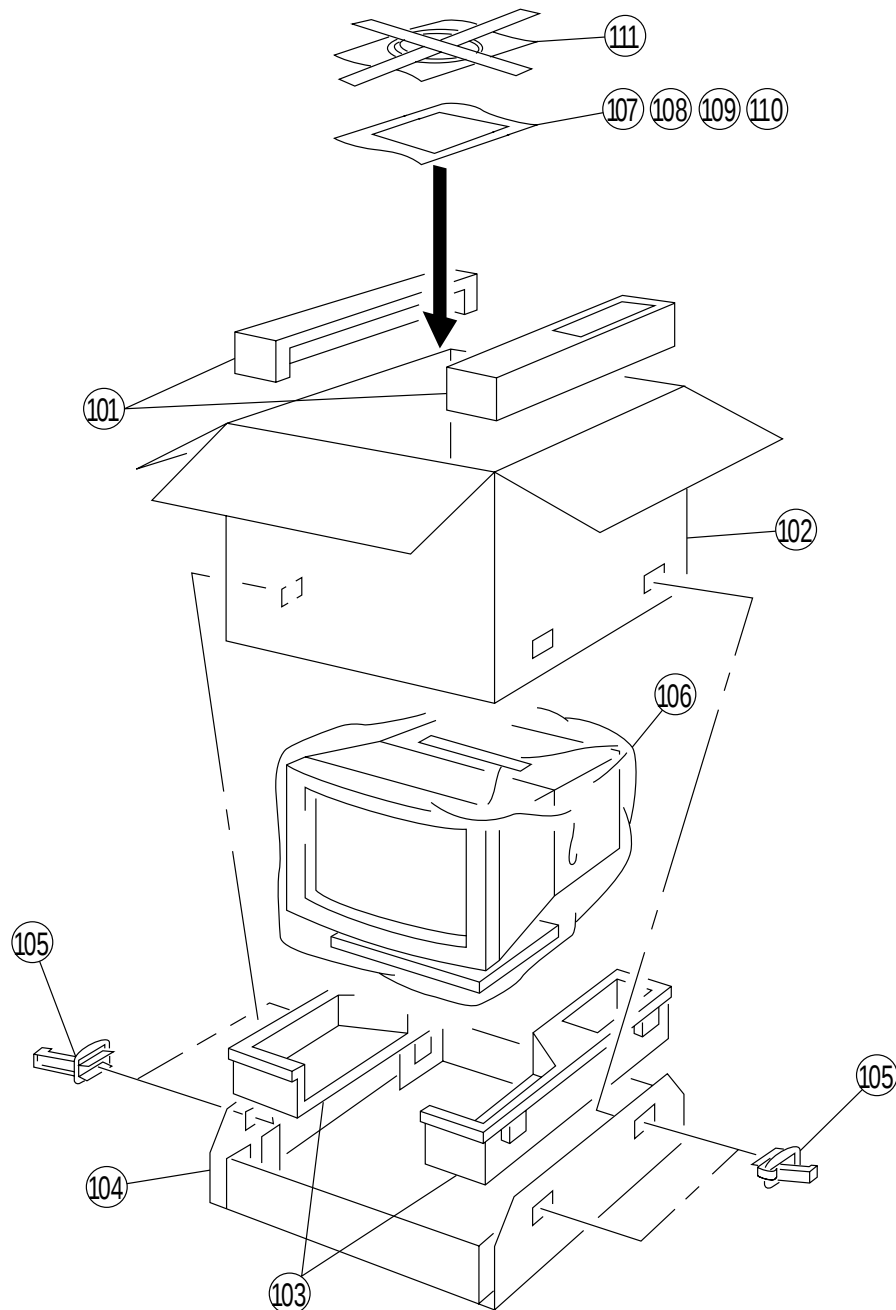


REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	△ 8-738-796-81	ITC (21SRG-R2) [U/C, AEP]	53,54,77	63	4-204-318-31	COVER, BOTTOM [AEP for UK-made set]	
51	△ 8-738-799-91	ITC (21SRG-RS2) [EQ, SH]	53,54,77	64	* 8-933-279-00	J BOARD, COMPLETE	
53	△ 8-451-493-41	DEFLECTION YOKE (Y21SRL-M4)		65	4-031-646-01	SHAFT	
		[AEP for UK-made set]		66	X-4035-224-1	STAND ASSY	
53	△ 1-451-479-11	DEFLECTION YOKE (Y21SRL2-T)				[EQ,SH,U/C/AEP for Japan-made set]	67-72
		[EQ,SH,U/C/AEP for Japan-made set]		66	X-4036-734-1	STAND ASSY	
53	△ 8-451-493-71	DEFLECTION YOKE (Y21SRL-X)				[500PST9 AEP for Japan-made set]	67-72
		[U/C for USA-made set]					
54	4-040-897-01	SPACER, DEFLECTION YOKE		66	X-4200-492-1	STAND ASSY [AEP for UK-made set]	67-72
		[U/C for USA-made set]		67	4-061-369-01	STOPPER (A) [EQ,SH,U/C/AEP for Japan-made set]	
54	4-050-492-01	SPACER, DEFLECTION YOKE		67	4-064-133-01	STOPPER (A) [U/C for USA-made set]	
		[except U/C for USA-made set]		67	4-204-326-01	STOPPER (A) [AEP for UK-made set]	
55	* 4-047-316-01	SPRING, EXTENSION		68	4-061-938-01	SLIDER [EQ,SH,U/C/AEP for Japan-made set]	
		[except U/C for USA-made set]		68	4-064-125-01	SLIDER [U/C for USA-made set]	
55	* 4-061-573-01	SPRING, TENSION [U/C for USA-made set]		68	4-070-626-01	SLIDER [500PST9 AEP for Japan-made set]	
56	△ 1-416-437-31	COIL, DEMAGNETIC		68	* 4-204-319-31	SLIDER [AEP for UK-made set]	
				69	4-063-397-01	RING, TILT SWIVEL	
						[EQ,SH,U/C/AEP for Japan-made set]	
57	△ 1-416-140-12	COIL, LANDING CORRECTION		69	4-065-407-01	RING, TILT SWIVEL [U/C for USA-made set]	
58	△ 1-416-438-31	COIL, LANDING CORRECTION					
59	4-062-670-01	SPACER, PICTURE TUBE		69	* 4-204-376-01	RING, TILT SWIVEL [AEP for UK-made set]	
60	* 8-933-263-00	L BOARD, COMPLETE		70	X-4035-515-1	STAND ASSY [U/C for USA-made set]	
60	* A-1394-929-A	L3 BOARD, COMPLETE		71	4-047-474-01	FOOT, RUBBER [except U/C for USA-made set]	
		Note: L complete board and L3 complete board have interchangeability though it is a little different because the material of the circuit board is different.		72	4-041-621-21	STOPPER (B) [U/C for USA-made set]	
				72	4-041-621-01	STOPPER (B) [except U/C for USA-made set]	
61	* 4-321-929-00	HOLDER, PRINTED CIRCUIT BOARD		73	4-308-870-00	CLIP, LEAD WIRE	
62	* 3-703-141-00	HOLDER, PRINTED CIRCUIT BOARD		74	1-452-032-00	MAGNET, DISK; 10mmφ	
63	4-061-603-01	COVER, BOTTOM		75	1-452-094-00	MAGNET, ROTATABLE DISK; 15mmφ	
		[EQ,SH,U/C/AEP for Japan-made set]		76	4-051-736-21	PIECE A (90), CONV. CORRECT	
63	4-064-124-01	COVER, BOTTOM [U/C for USA-made set]		77	△ 1-452-932-21	NECK ASSEMBLY (NA-2916)	

6-3. PACKING MATERIALS [EQ, SH model]

The components identified by shading and mark $\triangle$ are critical for safety.
Replace only with part number specified.

Les composants identifiés par un tramé et une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

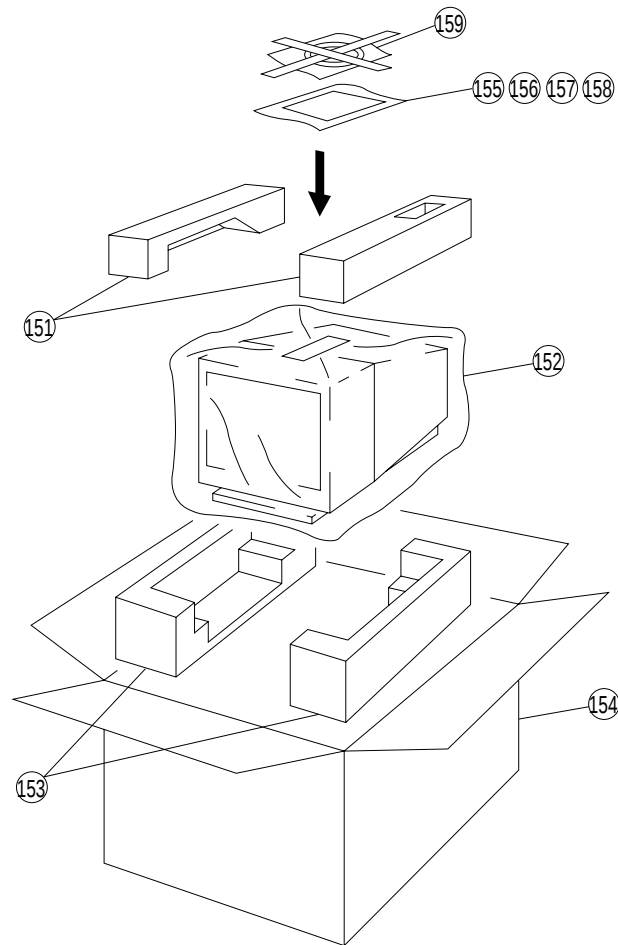


REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
101	*4-061-809-11	CUSHION (UPPER) (ASSY)		107	$\triangle$ 1-765-719-11	CORD SET, POWER (10A/250V) [EQ]	
102	*4-065-359-01	INDIVIDUAL CARTON		107	$\triangle$ 1-558-481-11	CORD SET, POWER (10A/250V) [SH]	
103	*4-061-810-11	CUSHION (LOWER) (ASSY)		108	1-785-429-11	ADAPTOR, CONVERSION (for MAC)	
104	*4-061-815-01	TRAY		109	3-861-575-11	MANUAL, INSTRUCTION	
105	*4-396-077-01	JOINT		110	1-759-641-14	DISK, INFORMATION (for WINDOWS)	
106	*4-041-927-31	BAG, POLYETHYLENE		111	1-790-901-11	CABLE ASSY (15P DSUBX2 CONNECTET)	

6-4. PACKING MATERIALS [U/C, AEP model]

The components identified by shading and mark $\triangle$ are critical for safety.
Replace only with part number specified.

Les composants identifiés par un trame et une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
151	* 4-061-809-11	CUSHION (UPPER) (ASSY)		154	* 4-065-347-01	INDIVIDUAL CARTON	
		[U/C for Japan-made set, AEP for Japan-made set]				[500PST AEP for UK-made set]	
151	* 4-064-179-01	CUSHION (UPPER) (ASSY)		155	3-861-575-11	MANUAL, INSTRUCTION	
		[U/C for USA-made set]				[U/C for Japan-made set]	
151	* 4-065-348-01	CUSHION (UPPER) (ASSY)		155	3-861-575-21	MANUAL, INSTRUCTION [U/C for USA-made set]	
		[AEP for UK-made set]		155	3-861-576-11	MANUAL, INSTRUCTION	
152	* 4-041-927-31	BAG, POLYETHYLENE				[500PST AEP for Japan-made set]	
		[U/C for Japan-made set, AEP for Japan-made set]		155	3-861-576-31	MANUAL, INSTRUCTION	
152	* 4-047-293-01	BAG, POLYETHYLENE [U/C for USA-made set]				[500PST AEP for UK-made set]	
152	* 4-060-490-11	BAG, POLYETHYLENE [AEP for UK-made set]		155	3-861-576-41	MANUAL, INSTRUCTION [500PST9 AEP]	
153	* 4-061-810-11	CUSHIN (LOWER) (ASSY)		156	$\triangle$ 1-765-718-11	CORD SET, POWER (10A/125V) [U/C]	
		[U/C for Japan-made set, AEP for Japan-made set]		156	$\triangle$ 1-765-719-11	CORD SET, POWER (10A/250V)	
153	* 4-065-349-01	CUSHIN (LOWER) (ASSY)				[AEP for Japan-made set]	
		[AEP for UK-made set]		156	$\triangle$ 1-790-714-11	CORD SET, POWER (10A/250V)	
153	* 4-064-180-01	CUSHION (LOWER) (ASSY)				[AEP for UK-made set]	
		[U/C for USA-made set]		157	1-785-429-11	ADAPTOR, CONVERSION (for MAC)	
154	* 4-061-808-02	INDIVIDUAL CARTON [U/C for Japan-made set]		158	1-759-641-14	DISK, INFORMATION (for WINDOWS)	
						[except U/C for USA-made set]	
154	* 4-061-663-01	INDIVIDUAL CARTON		158	1-759-641-21	DISK, INFORMATION (V 2.30) (for WINDOWS)	
		[500PST AEP for Japan-made set]				[U/C for USA-made set]	
154	* 4-064-178-01	INDIVIDUAL CARTON [U/C for USA-made set]		159	1-790-901-11	CABLE ASSY (15 DSUBX2 CONNECTET)	
154	* 4-070-185-01	INDIVIDUAL CARTON				[U/C, AEP for Japan-made set]	
		[500PST9 AEP for Japan-made set]		159	1-790-212-11	CABLE ASSY [AEP for UK-made set]	
154	* 4-204-842-01	INDIVIDUAL CARTON					
		[500PST9 AEP for UK-made set]					

SECTION 7

ELECTRICAL PARTS LIST

A or A3

NOTE:

The components identified by shading and mark $\triangle$ are critical for safety. Replace only with part number specified.

Les composants identifiés par un tramé et une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

RESISTORS

- All resistors are in ohms
- F : nonflammable

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	* 8-933-275-00	A BOARD, COMPLETE					
	* 8-933-364-00	A3 BOARD, COMPLETE					

		Note: A complete board and A3 complete board have interchangeability though it is a little different because the material of the circuit board is different.					
	4-382-854-11	SCREW (M3X10), P, SW (+) (IC403)					
		<CAPACITOR>					
C101	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C211	1-163-017-00	CERAMIC CHIP 0.0047 μ F	10% 50V
C102	1-104-664-11	ELECT 47 μ F	20% 25V	C212	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
C103	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C213	1-216-097-91	RES, CHIP 100K	5% 1/10W (A BOARD)
C104	1-104-664-11	ELECT 47 μ F	20% 25V	C215	1-104-514-11	FILM 0.22 μ F	10% 250V
C105	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C217	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
C106	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C220	1-107-949-11	ELECT 2.2 μ F	20% 200V
C107	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V	C221	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
C108	1-107-903-11	ELECT 2.2 μ F	20% 50V	C222	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
C109	1-163-237-11	CERAMIC CHIP 27pF	5% 50V (A BOARD)	C230	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
C109	1-163-239-11	CERAMIC CHIP 33pF	5% 50V (A3 BOARD)	C301	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
C110	1-163-275-11	CERAMIC CHIP 0.001 μ F	5% 50V	C302	1-104-664-11	ELECT 47 μ F	20% 25V
C111	1-163-017-00	CERAMIC CHIP 0.0047 μ F	10% 50V	C303	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
C112	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V	C304	1-104-664-11	ELECT 47 μ F	20% 25V
C113	1-216-097-91	RES, CHIP 100K	5% 1/10W (A BOARD)	C305	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
C115	1-104-514-11	FILM 0.22 μ F	10% 250V	C306	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
C120	1-107-949-11	ELECT 2.2 μ F	20% 200V	C307	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
C121	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C308	1-107-903-11	ELECT 2.2 μ F	20% 50V
C122	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V	C309	1-163-235-11	CERAMIC CHIP 22pF	5% 50V (A BOARD)
C127	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C309	1-163-237-11	CERAMIC CHIP 27pF	5% 50V (A3 BOARD)
C130	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C310	1-163-275-11	CERAMIC CHIP 0.001 μ F	5% 50V
C201	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C311	1-163-017-00	CERAMIC CHIP 0.0047 μ F	10% 50V
C202	1-104-664-11	ELECT 47 μ F	20% 25V	C312	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
C203	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C313	1-216-097-91	RES, CHIP 100K	5% 1/10W (A BOARD)
C204	1-104-664-11	ELECT 47 μ F	20% 25V	C315	1-104-514-11	FILM 0.22 μ F	10% 250V
C205	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C317	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
C206	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V	C319	1-107-888-11	ELECT 47 μ F	20% 25V
C207	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V	C320	1-107-949-11	ELECT 2.2 μ F	20% 200V
C208	1-107-903-11	ELECT 2.2 μ F	20% 50V	C321	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
C209	1-163-237-11	CERAMIC CHIP 27pF	5% 50V	C322	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
C210	1-163-275-11	CERAMIC CHIP 0.001 μ F	5% 50V	C330	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
				C401	1-126-964-11	ELECT 10 μ F	20% 50V
				C402	1-104-664-11	ELECT 47 μ F	20% 25V
				C403	1-104-664-11	ELECT 47 μ F	20% 25V
				C404	1-126-964-11	ELECT 10 μ F	20% 50V
				C405	1-163-227-11	CERAMIC CHIP 10pF	0.5PF 50V
				C407	1-126-964-11	ELECT 10 μ F	20% 50V
				C408	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
				C409	1-163-235-11	CERAMIC CHIP 22pF	5% 50V
				C410	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V

GDM-500PS/500PST/500PST9

A or A3

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C412	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C491	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C413	1-216-097-91	RES, CHIP 100K	5% 1/10W (A BOARD)	<CONNECTOR>			
C414	1-163-222-11	CERAMIC CHIP 5pF	0.25pF 50V	CN401*1-564-521-11	PLUG, CONNECTOR 6P		
C415	1-128-562-11	ELECT 47μF	20% 100V	CN402*1-564-522-11	PLUG, CONNECTOR 7P		
C416	1-104-664-11	ELECT 47μF	20% 25V	CN403*1-564-523-11	PLUG, CONNECTOR 8P		
C417	1-115-349-51	CERAMIC 0.01μF	2KV	CN405*1-564-524-11	PLUG, CONNECTOR 9P		
C419	1-162-318-11	CERAMIC 0.001μF	10% 500V	CN406*1-766-179-11	PIN, CONNECTOR (PC BOARD) 2P		
C420	1-126-967-11	ELECT 47μF	20% 50V	CN407*1-564-522-11	PLUG, CONNECTOR 7P		
C421	1-126-964-11	ELECT 10μF	20% 50V	<DIODE>			
C424	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	D101	8-719-062-51	DIODE 1PS226-115	
C429	1-163-227-11	CERAMIC CHIP 10pF	0.5pF 50V	D102	8-719-062-51	DIODE 1PS226-115	
C431	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D103	8-719-404-50	DIODE MA111-TX	
C434	1-162-318-11	CERAMIC 0.001μF	10% 500V	D104	8-719-052-12	DIODE 1SS376TE-17	
C435	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D105	8-719-052-12	DIODE 1SS376TE-17	
C436	1-163-243-11	CERAMIC CHIP 47pF	5% 50V	D106	8-719-052-12	DIODE 1SS376TE-17	
C438	1-163-243-11	CERAMIC CHIP 47pF	5% 50V	D107	8-719-052-12	DIODE 1SS376TE-17	
C440	1-163-243-11	CERAMIC CHIP 47pF	5% 50V	D201	8-719-062-51	DIODE 1PS226-115	
C442	1-163-243-11	CERAMIC CHIP 47pF	5% 50V	D202	8-719-062-51	DIODE 1PS226-115	
C443	1-163-243-11	CERAMIC CHIP 47pF	5% 50V	D203	8-719-404-50	DIODE MA111-TX	
C444	1-163-243-11	CERAMIC CHIP 47pF	5% 50V	D204	8-719-052-12	DIODE 1SS376TE-17	
C445	1-163-009-11	CERAMIC CHIP 0.001μF	10% 50V	D205	8-719-052-12	DIODE 1SS376TE-17	
C446	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	D206	8-719-052-12	DIODE 1SS376TE-17	
C447	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	D207	8-719-052-12	DIODE 1SS376TE-17	
C448	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	D301	8-719-062-51	DIODE 1PS226-115	
C450	1-163-235-11	CERAMIC CHIP 22pF	5% 50V	D302	8-719-062-51	DIODE 1PS226-115	
C451	1-126-964-11	ELECT 10μF	20% 50V	D303	8-719-404-50	DIODE MA111-TX	
C452	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D304	8-719-052-12	DIODE 1SS376TE-17	
C453	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D305	8-719-052-12	DIODE 1SS376TE-17	
C454	1-104-665-11	ELECT 100μF	20% 25V	D306	8-719-052-12	DIODE 1SS376TE-17	
C455	1-163-243-11	CERAMIC CHIP 47pF	5% 50V	D307	8-719-052-12	DIODE 1SS376TE-17	
C457	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D401	8-719-404-50	DIODE MA111-TX	
C458	1-126-964-11	ELECT 10μF	20% 50V	D402	8-719-976-99	ZENER DIODE DTZ5.1B	
C459	1-107-930-91	ELECT 22μF	20% 100V	D403	8-719-404-50	DIODE MA111-TX	
C460	1-162-318-11	CERAMIC 0.001μF	10% 500V	D404	8-719-052-12	DIODE 1SS376TE-17	
C461	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D405	8-719-404-50	DIODE MA111-TX	
C463	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D406	8-719-404-50	DIODE MA111-TX	
C464	1-107-906-11	ELECT 10μF	20% 50V	D407	8-719-404-50	DIODE MA111-TX	
C465	1-107-906-11	ELECT 10μF	20% 50V	D408	8-719-404-50	DIODE MA111-TX	
C466	1-126-964-11	ELECT 10μF	20% 50V	D409	8-719-404-50	DIODE MA111-TX	
C467	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D410	8-719-404-50	DIODE MA111-TX	
C468	1-126-964-11	ELECT 10μF	20% 50V	<FERRITE BEAD>			
C469	1-126-964-11	ELECT 10μF	20% 50V	FB101	1-216-295-91	SHORT	0
C471	1-162-318-11	CERAMIC 0.001μF	10% 500V	FB201	1-216-295-91	SHORT	0
C478	1-115-350-51	CERAMIC 0.0047μF	2KV	FB301	1-216-295-91	SHORT	0
C479	1-163-133-00	CERAMIC CHIP 470pF	5% 50V	FB403	1-412-911-31	FERRITE	1.1μH
C480	1-162-318-11	CERAMIC 0.001μF	10% 500V	FB405	1-412-911-31	FERRITE	1.1μH
C481	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	FB406	1-412-911-31	FERRITE	1.1μH
C482	1-115-339-11	CERAMIC CHIP 0.1μF	10% 50V				
C483	1-115-339-11	CERAMIC CHIP 0.1μF	10% 50V				
C484	1-162-318-11	CERAMIC 0.001μF	10% 500V				
C485	1-107-652-11	ELECT 10μF	20% 250V				
C486	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V				
C487	1-126-964-11	ELECT 10μF	20% 50V				
C488	1-104-664-11	ELECT 47μF	20% 25V				
C489	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V				

The components identified by shading
and mark $\triangle$ are critical for safety.
Replace only with part number specified.

Les composants identifiés par un tramé
et une marque $\triangle$ sont critiques pour la
sécurité. Ne les remplacer que par une
pièce portant le numéro spécifié.

GDM-500PS/500PST/500PST9

A or A3

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<IC>				<RESISTOR>			
IC401	8-759-522-86	IC M52755FP-TP		R101	1-215-395-00	METAL 82	1% 1/4W
IC402	8-759-468-63	IC M52722P		R102	1-216-025-91	RES, CHIP 100	5% 1/10W
IC403	8-749-013-74	IC FA4111		R103	1-215-395-00	METAL 82	1% 1/4W
IC404	8-759-566-26	IC LSC4380DW2AR2		R104	1-216-025-91	RES, CHIP 100	5% 1/10W
IC406	8-759-701-79	IC NJM7812FA		R105	1-216-017-91	RES, CHIP 47	5% 1/10W
IC408	8-759-239-14	IC TA78L05S		R106	1-216-017-91	RES, CHIP 47	5% 1/10W
IC409	8-759-502-82	IC LM324M		R108	1-216-099-00	RES, CHIP 120K	5% 1/10W
IC410	8-759-635-27	IC M62352GP-75E		R109	1-216-117-00	RES, CHIP 680K	5% 1/10W
<CHIP CONDUCTOR>				R110	1-216-295-91	SHORT 0	
JR401	1-216-295-91	SHORT 0 (A3 BOARD)		R111	1-216-057-00	RES, CHIP 2.2K	5% 1/10W
JR402	1-216-295-91	SHORT 0 (A3 BOARD)		R112	1-216-617-11	METAL CHIP 39	0.50%1/10W (A BOARD)
JR403	1-216-295-91	SHORT 0 (A3 BOARD)		R112	1-216-621-11	METAL CHIP 56	0.50%1/10W (A3 BOARD)
JR404	1-216-295-91	SHORT 0 (A3 BOARD)		R113	1-216-009-91	RES, CHIP 22	5% 1/10W
<COIL>				R114	1-216-035-00	RES, CHIP 270	5% 1/10W
L101	1-412-478-11	INDUCTOR 0.15μH		R115	1-216-035-00	RES, CHIP 270	5% 1/10W
L201	1-412-478-11	INDUCTOR 0.15μH		R116	1-216-017-91	RES, CHIP 47	5% 1/10W
L301	1-412-478-11	INDUCTOR 0.15μH		R117	1-216-063-91	RES, CHIP 3.9K	5% 1/10W
L401	1-408-615-31	INDUCTOR 100μH (A BOARD)		R118	1-216-057-00	RES, CHIP 2.2K	5% 1/10W
L401	1-414-940-21	INDUCTOR 100μH (A3 BOARD)		R119	1-216-009-91	RES, CHIP 22	5% 1/10W
L402	1-412-529-11	INDUCTOR 22μH (A BOARD)		R120	1-216-097-91	RES, CHIP 100K	5% 1/10W
L402	1-414-742-21	INDUCTOR 22μH (A3 BOARD)		R121	1-216-097-91	RES, CHIP 100K	5% 1/10W
L403	1-412-963-11	INDUCTOR 100μH		R122	1-216-027-00	RES, CHIP 120	5% 1/10W
<IC LINK>				R123	1-216-027-00	RES, CHIP 120	5% 1/10W
PS401 $\triangle$ 1-533-590-31LINK, IC (1A/90V AC, 60V DC)				R124	1-219-497-11	CARBON 22	5% 1/2W
<TRANSISTOR>				R125	1-216-091-00	RES, CHIP 56K	5% 1/10W
Q101	8-729-112-65	TRANSISTOR 2SA1462-Y33		R126	1-216-097-91	RES, CHIP 100K	5% 1/10W
Q105	8-729-041-66	TRANSISTOR 2SC4015TV2		R127	1-216-035-00	RES, CHIP 270	5% 1/10W
Q106	8-729-200-17	TRANSISTOR 2SA1091-O		R128	1-216-121-91	RES, CHIP 1M	5% 1/10W
Q201	8-729-112-65	TRANSISTOR 2SA1462-Y33		R129	1-216-115-00	RES, CHIP 560K	5% 1/10W (A3 BOARD)
Q202	8-729-107-31	TRANSISTOR 2SC3545-T43 (A BOARD)		R129	1-216-121-91	RES, CHIP 1M	5% 1/10W (A BOARD)
Q202	8-729-402-07	TRANSISTOR 2SC2735JTL (A3 BOARD)		R130	1-216-097-91	RES, CHIP 100K	5% 1/10W
Q205	8-729-041-66	TRANSISTOR 2SC4015TV2		R131	1-216-057-00	RES, CHIP 2.2K	5% 1/10W
Q206	8-729-200-17	TRANSISTOR 2SA1091-O		R132	1-216-035-00	RES, CHIP 270	5% 1/10W
Q301	8-729-112-65	TRANSISTOR 2SA1462-Y33		R133	1-216-049-91	RES, CHIP 1K	5% 1/10W
Q305	8-729-041-66	TRANSISTOR 2SC4015TV2		R134	1-216-097-91	RES, CHIP 100K	5% 1/10W
Q306	8-729-200-17	TRANSISTOR 2SA1091-O		R135	1-216-037-00	RES, CHIP 330	5% 1/10W
Q401	8-729-216-22	TRANSISTOR 2SA1162-G		R136	1-216-097-91	RES, CHIP 100K	5% 1/10W
Q402	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R137	1-216-097-91	RES, CHIP 100K	5% 1/10W
Q403	8-729-216-22	TRANSISTOR 2SA1162-G		R139	1-216-073-00	RES, CHIP 10K	5% 1/10W
Q404	8-729-901-00	TRANSISTOR DTC124EK		R140	1-216-129-00	RES, CHIP 2.2M	5% 1/10W (A BOARD)
Q405	8-729-216-22	TRANSISTOR 2SA1162-G		R141	1-216-025-91	RES, CHIP 100	5% 1/10W
Q406	8-729-027-31	TRANSISTOR DTA124EKA-T146		R144	1-216-295-91	SHORT 0	
Q408	8-729-027-31	TRANSISTOR DTA124EKA-T146		R145	1-216-113-00	RES, CHIP 470K	5% 1/10W (A3 BOARD)
Q409	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R167	1-216-121-91	RES, CHIP 1M	5% 1/10W
Q410	8-729-032-61	TRANSISTOR 2SC5022-02		R201	1-215-395-00	METAL 82	1% 1/4W
<RESISTOR>				R202	1-216-025-91	RES, CHIP 100	5% 1/10W
<RESISTOR>				R203	1-215-395-00	METAL 82	1% 1/4W
<RESISTOR>				R204	1-216-025-91	RES, CHIP 100	5% 1/10W
<RESISTOR>				R205	1-216-017-91	RES, CHIP 47	5% 1/10W
<RESISTOR>				R206	1-216-017-91	RES, CHIP 47	5% 1/10W

GDM-500PS/500PST/500PST9

A or A3

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R208	1-216-099-00	RES, CHIP	120K	5%	1/10W	R313	1-216-009-91	RES, CHIP	22	5%	1/10W
R209	1-216-117-00	RES, CHIP	680K	5%	1/10W	R314	1-216-035-00	RES, CHIP	270	5%	1/10W
R210	1-216-295-91	SHORT	0			R315	1-216-035-00	RES, CHIP	270	5%	1/10W
R211	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R316	1-216-017-91	RES, CHIP	47	5%	1/10W
R212	1-216-621-11	METAL CHIP	56	0.50%	1/10W	R317	1-216-063-91	RES, CHIP	3.9K	5%	1/10W
R213	1-216-009-91	RES, CHIP	22	5%	1/10W	R318	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R214	1-216-035-00	RES, CHIP	270	5%	1/10W	R319	1-216-009-91	RES, CHIP	22	5%	1/10W
R215	1-216-035-00	RES, CHIP	270	5%	1/10W	R320	1-216-097-91	RES, CHIP	100K	5%	1/10W
R216	1-216-017-91	RES, CHIP	47	5%	1/10W	R321	1-216-097-91	RES, CHIP	100K	5%	1/10W
R217	1-216-063-91	RES, CHIP	3.9K	5%	1/10W	R322	1-216-027-00	RES, CHIP	120	5%	1/10W
R218	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R323	1-216-027-00	RES, CHIP	120	5%	1/10W
R219	1-216-009-91	RES, CHIP	22	5%	1/10W	R324	1-219-497-11	CARBON	22	5%	1/2W
R220	1-216-097-91	RES, CHIP	100K	5%	1/10W	R325	1-216-091-00	RES, CHIP	56K	5%	1/10W
R221	1-216-097-91	RES, CHIP	100K	5%	1/10W	R326	1-216-097-91	RES, CHIP	100K	5%	1/10W
R222	1-216-027-00	RES, CHIP	120	5%	1/10W	R327	1-216-035-00	RES, CHIP	270	5%	1/10W
R223	1-216-027-00	RES, CHIP	120	5%	1/10W	R328	1-216-121-91	RES, CHIP	1M	5%	1/10W
R224	1-219-497-11	CARBON	22	5%	1/2W	R329	1-216-115-00	RES, CHIP	560K	5%	1/10W
R225	1-216-091-00	RES, CHIP	56K	5%	1/10W						(A3 BOARD)
R226	1-216-097-91	RES, CHIP	100K	5%	1/10W	R329	1-216-121-91	RES, CHIP	1M	5%	1/10W
R227	1-216-035-00	RES, CHIP	270	5%	1/10W						(A BOARD)
R228	1-216-121-91	RES, CHIP	1M	5%	1/10W	R330	1-216-097-91	RES, CHIP	100K	5%	1/10W
R229	1-216-115-00	RES, CHIP	560K	5%	1/10W	R331	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
					(A3 BOARD)	R332	1-216-035-00	RES, CHIP	270	5%	1/10W
R229	1-218-121-91	RES, CHIP	1M	5%	1/10W	R333	1-216-049-91	RES, CHIP	1K	5%	1/10W
					(A BOARD)	R334	1-216-097-91	RES, CHIP	100K	5%	1/10W
R230	1-216-097-91	RES, CHIP	100K	5%	1/10W	R335	1-216-037-00	RES, CHIP	330	5%	1/10W
R231	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R336	1-216-097-91	RES, CHIP	100K	5%	1/10W
R232	1-216-035-00	RES, CHIP	270	5%	1/10W	R337	1-216-097-91	RES, CHIP	100K	5%	1/10W
R233	1-216-049-91	RES, CHIP	1K	5%	1/10W	R339	1-216-073-00	RES, CHIP	10K	5%	1/10W
R234	1-216-097-91	RES, CHIP	100K	5%	1/10W	R340	1-216-129-00	RES, CHIP	2.2M	5%	1/10W
R235	1-216-037-00	RES, CHIP	330	5%	1/10W						(A BOARD)
R236	1-216-097-91	RES, CHIP	100K	5%	1/10W	R341	1-216-025-91	RES, CHIP	100	5%	1/10W
						R344	1-216-295-91	SHORT	0		
R237	1-216-097-91	RES, CHIP	100K	5%	1/10W	R345	1-216-113-00	RES, CHIP	470K	5%	1/10W
R239	1-216-073-00	RES, CHIP	10K	5%	1/10W						(A3 BOARD)
R240	1-216-129-00	RES, CHIP	2.2M	5%	1/10W	R367	1-216-121-91	RES, CHIP	1M	5%	1/10W
					(A BOARD)	R406	1-216-049-91	RES, CHIP	1K	5%	1/10W
R241	1-216-025-91	RES, CHIP	100	5%	1/10W	R407	1-216-089-91	RES, CHIP	47K	5%	1/10W
R243	1-216-043-91	RES, CHIP	560	5%	1/10W	R408	1-216-097-91	RES, CHIP	100K	5%	1/10W
R244	1-216-295-91	SHORT	0			R409	1-216-049-91	RES, CHIP	1K	5%	1/10W
R245	1-216-113-00	RES, CHIP	470K	5%	1/10W	R410	1-216-049-91	RES, CHIP	1K	5%	1/10W
					(A3 BOARD)	R411	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R267	1-216-121-91	RES, CHIP	1M	5%	1/10W	R412	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R301	1-215-395-00	METAL	82	1%	1/4W	R413	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R302	1-216-025-91	RES, CHIP	100	5%	1/10W						
						R415	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R303	1-215-395-00	METAL	82	1%	1/4W	R416	1-216-049-91	RES, CHIP	1K	5%	1/10W
R304	1-216-025-91	RES, CHIP	100	5%	1/10W	R417	1-216-089-91	RES, CHIP	47K	5%	1/10W
R305	1-216-017-91	RES, CHIP	47	5%	1/10W	R418	1-260-127-11	CARBON	220K	5%	1/2W
R306	1-216-017-91	RES, CHIP	47	5%	1/10W	R419	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R308	1-216-099-00	RES, CHIP	120K	5%	1/10W						
						R420	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R309	1-216-117-00	RES, CHIP	680K	5%	1/10W	R421	1-216-103-00	RES, CHIP	180K	5%	1/10W
R310	1-216-295-91	SHORT	0			R422	1-216-025-91	RES, CHIP	100	5%	1/10W
R311	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R423	1-216-089-91	RES, CHIP	47K	5%	1/10W
R312	1-216-619-11	METAL CHIP	47	0.50%	1/10W	R424	1-216-025-91	RES, CHIP	100	5%	1/10W
					(A3 BOARD)						
R312	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R425	1-216-017-91	RES, CHIP	47	5%	1/10W
					(A BOARD)	R426	1-216-025-91	RES, CHIP	100	5%	1/10W
						R427	1-216-025-91	RES, CHIP	100	5%	1/10W

The components identified by shading
and mark $\triangle$ are critical for safety.
Replace only with part number specified.

Les composants identifiés par un tramé
et une marque $\triangle$ sont critiques pour la
sécurité. Ne les remplacer que par une
pièce portant le numéro spécifié.

GDM-500PS/500PST/500PST9

A or A3 **GA** **G**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R428	1-216-049-91	RES, CHIP	1K 5% 1/10W		* 8-933-269-00	GA BOARD, COMPLETE	
R429	1-216-025-91	RES, CHIP	100 5% 1/10W		*****		
R430	1-216-025-91	RES, CHIP	100 5% 1/10W				
R431	1-216-025-91	RES, CHIP	100 5% 1/10W		<CAPACITOR>		
R432	1-216-025-91	RES, CHIP	100 5% 1/10W				
R433	1-216-025-91	RES, CHIP	100 5% 1/10W		C7501	1-163-021-91 CERAMIC CHIP 0.01μF	10% 50V
R434	1-216-065-91	RES, CHIP	4.7K 5% 1/10W		C7502	1-136-169-00 FILM 0.22μF	5% 50V
					C7503	1-163-009-11 CERAMIC CHIP 0.001μF	10% 50V
R435	1-216-121-91	RES, CHIP	1M 5% 1/10W		C7504	1-136-165-00 FILM 0.1μF	5% 50V
R436	1-216-067-00	RES, CHIP	5.6K 5% 1/10W		C7505	1-164-004-11 CERAMIC CHIP 0.1μF	10% 25V
R438	1-216-053-00	RES, CHIP	1.5K 5% 1/10W				
R439	1-216-053-00	RES, CHIP	1.5K 5% 1/10W	C7506	1-164-004-11 CERAMIC CHIP 0.1μF	10% 25V	
R440	1-216-089-91	RES, CHIP	47K 5% 1/10W				
R441	1-216-025-91	RES, CHIP	100 5% 1/10W	<CONNECTOR>			
R442	1-216-659-11	METAL CHIP	2.2K 0.50%1/10W				
R443	1-216-041-00	RES, CHIP	470 5% 1/10W	CN7501*1-774-512-11	CONNECTOR, BPARD TO BOARD 10P		
R444	1-216-057-00	RES, CHIP	2.2K 5% 1/10W				
R446	1-216-025-91	RES, CHIP	100 5% 1/10W	<DIODE>			
R451	1-216-025-91	RES, CHIP	100 5% 1/10W				
R452	1-216-065-91	RES, CHIP	4.7K 5% 1/10W	D7501	8-719-110-57 ZENER DIODE RD22ESB2		
R453	1-216-073-00	RES, CHIP	10K 5% 1/10W	D7502	8-719-911-19 DIODE 1SS119-25		
R454	1-216-073-00	RES, CHIP	10K 5% 1/10W				
R456	1-216-129-00	RES, CHIP	2.2M 5% 1/10W	<IC>			
R457	1-219-621-91	METAL	22M 10% 1/4W				
R458	1-211-885-21	METAL	2.2M 5% 1W	IC7501	8-759-482-62 IC MC33262P		
R459	1-219-720-11	METAL	10M 5% 1W				
R461	1-249-441-11	CARBON	100K 5% 1/4W	<TRANSISTOR>			
R461	1-260-123-11	CARBON	100K 5% 1/2W				
			(A BOARD)	Q7501	8-729-026-49 TRANSISTOR 2SA1037AK-T146-R		
			(A3 BOARD)	Q7502	8-729-120-28 TRANSISTOR 2SC1623-L5L6		
R462	1-216-089-91	RES, CHIP	47K 5% 1/10W	Q7503	8-729-120-28 TRANSISTOR 2SC1623-L5L6		
R463	1-216-103-00	RES, CHIP	180K 5% 1/10W	Q7504	8-729-026-49 TRANSISTOR 2SA1037AK-T146-R		
R464	1-216-057-00	RES, CHIP	2.2K 5% 1/10W				
R466	1-216-675-11	METAL CHIP	10K 0.50%1/10W	<RESISTOR>			
R470	1-216-065-91	RES, CHIP	4.7K 5% 1/10W				
R471	1-216-069-00	RES, CHIP	6.8K 5% 1/10W	R7501	1-216-025-91 RES, CHIP	100 5% 1/10W	
R473	1-216-073-00	RES, CHIP	10K 5% 1/10W	R7502	1-216-073-00 RES, CHIP	10K 5% 1/10W	
R475	1-216-073-00	RES, CHIP	10K 5% 1/10W	R7503	1-216-041-00 RES, CHIP	470 5% 1/10W	
R477	1-216-081-00	RES, CHIP	22K 5% 1/10W	R7504	1-216-675-11 METAL CHIP	10K 0.50%1/10W	
R478	1-249-381-11	CARBON	1 5% 1/4W F	R7505	1-216-673-11 METAL CHIP	8.2K 0.50%1/10W	
R479	1-249-381-11	CARBON	1 5% 1/4W F	R7506	1-216-073-00 RES, CHIP	10K 5% 1/10W	
R480	1-249-381-11	CARBON	1 5% 1/4W F	R7507	1-216-089-91 RES, CHIP	47K 5% 1/10W	
				R7508	1-216-073-00 RES, CHIP	10K 5% 1/10W	
				R7509	1-216-073-00 RES, CHIP	10K 5% 1/10W	
				R7510	1-216-073-00 RES, CHIP	10K 5% 1/10W	
<SPARK GAP>							
SG101	1-517-499-21	GAP, SPARK		R7511	1-216-073-00 RES, CHIP	10K 5% 1/10W	
SG201	1-517-499-21	GAP, SPARK		R7512	1-216-089-91 RES, CHIP	47K 5% 1/10W	
SG301	1-517-499-21	GAP, SPARK (A3 BOARD)		R7513	1-216-093-91 RES, CHIP	68K 5% 1/10W	
SG302	1-517-499-21	GAP, SPARK (A BOARD)					
SG401	1-519-526-11	LAMP, NEON					
SG402	1-519-422-11	GAP, SPARK		*****			
				* 8-933-277-00	G BOARD, COMPLETE		

<SOCKET>							
SK401	1-251-640-11	SOCKET, PICTURE TUBE		1-533-223-11	HOLDER, FUSE (F601)		
				4-382-854-11	SCREW (M3X10), P, SW (+)		
					(Q610, Q640, D610, D611, D672)		

GDM-500PS/500PST/500PST9



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The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*7-322-065-72 RUBBER, RTV (SE-9168) (130G) (C671, C682, VDR640)				CN610*1-774-511-11 CONNECTOR, BOARD TO BOARD 10P CN671*1-764-334-11 PLUG, CONNECTOR 11P		
	7-682-947-01 SCREW +PSW 3X6 (IC660)				CN672*1-564-512-11 PLUG, CONNECTOR 9P CN673*1-564-508-11 PLUG, CONNECTOR 5P		
	<CAPACITOR>				<DIODE>		
C601	1-113-900-51	CERAMIC	470pF 10% 250V	D610	8-719-510-53	DIODE D4SB60L	
C602	1-113-900-51	CERAMIC	470pF 10% 250V	D611	8-719-029-04	DIODE D5L60	
C603	1-107-533-51	FILM	1μF 20% 250V	D612	8-719-304-63	DIODE RM11C	
C604	1-107-533-51	FILM	1μF 20% 250V	D613	8-719-110-49	ZENER DIODE RD18ESB2	
C605	1-113-926-91	CERAMIC	0.0047μF 250V	D614	8-719-977-28	ZENER DIODE DTZ10B	
C606	1-113-926-91	CERAMIC	0.0047μF 250V	D617	8-719-404-50	DIODE MA111-TX	
C607	1-113-900-11	CERAMIC	470PF 10% 250V	D640	8-719-404-50	DIODE MA111-TX	
C610	1-137-479-11	FILM	1μF 10% 400V	D660	8-719-059-23	DIODE P6KE200AG23	
C611	1-117-849-11	ELECT	330μF 20% 450V	D661	8-719-979-64	DIODE UF4005PKG23	
C612	1-126-959-11	ELECT	0.47μF 20% 50V	D662	8-719-058-91	DIODE AG01A-V0	
C616	1-107-888-11	ELECT	47μF 20% 25V	D663	8-719-110-31	ZENER DIODE RD12ESB2	
C640	1-104-330-91	CERAMIC	470pF 10% 1KV	D666	8-719-105-99	ZENER DIODE RD6.2M-B1	
C641	1-104-330-91	CERAMIC	470pF 10% 1KV	D670	8-719-064-49	DIODE D4SBL40	
C642	1-136-171-00	FILM	0.33μF 5% 50V	D671	8-719-510-64	DIODE S2LA20F	
C643	1-136-171-00	FILM	0.33μF 5% 50V	D672	8-719-052-91	DIODE D4SBS4-F	
C644	1-104-330-91	CERAMIC	470pF 10% 1KV	D673	8-719-022-97	DIODE D2S4MF	
C645	1-136-167-00	FILM	0.15μF 5% 50V	D674	8-719-022-97	DIODE D2S4MF	
C646	1-136-167-00	FILM	0.15μF 5% 50V	D677	8-719-911-19	DIODE 1SS119-25	
C647	1-129-719-00	FILM	0.027μF 5% 630V	D678	8-719-911-19	DIODE 1SS119-25	
C660	1-111-057-11	ELECT	120μF 20% 25V	D680	8-719-404-50	DIODE MA111	
C661	1-128-526-11	ELECT	100μF 20% 16V	D681	8-719-404-50	DIODE MA111	
C662	1-130-495-00	FILM	0.1μF 5% 50V	D682	8-719-510-64	DIODE S2LA20F	
C663	1-126-965-11	ELECT	22μF 20% 50V	D683	8-719-911-19	DIODE 1SS119-25	
C670	1-137-370-11	FILM	0.01μF 5% 50V	D684	8-719-110-57	ZENER DIODE RD22ESB2	
C671	1-107-966-51	ELECT	220μF 20% 250V	D691	8-719-510-37	DIODE D5LC20U	
C672	1-107-959-11	ELECT	3.3μF 20% 250V	D692	8-719-911-19	DIODE 1SS119-25	
C673	1-107-935-11	ELECT	330μF 20% 100V	D693	8-719-404-50	DIODE MA111-TX	
C674	1-107-928-11	ELECT	4.7μF 20% 100V		<FUSE>		
C675	1-107-890-11	ELECT	2200μF 20% 25V	F601	1-576-233-11	FUSE (H.B.C.) (6.3A/250V)	
C676	1-107-888-11	ELECT	47μF 20% 25V		<FERRITE BEAD>		
C677	1-107-890-11	ELECT	2200μF 20% 25V	FB10	1-410-396-41	FERRITE	0.45μH
C678	1-107-888-11	ELECT	47μF 20% 25V	FB11	1-410-396-41	FERRITE	0.45μH
C679	1-126-927-11	ELECT	2200μF 20% 10V	FB12	1-410-396-41	FERRITE	0.45μH
C680	1-126-927-11	ELECT	2200μF 20% 10V		<IC>		
C681	1-107-905-11	ELECT	4.7μF 20% 50V	IC630	8-749-013-03	IC DM-60	
C682	1-126-963-11	ELECT	4.7μF 20% 50V	IC660	8-759-470-64	IC TOP223Y-BB	
C683	1-164-646-11	CERAMIC	2200pF 10% 500V	IC690	8-749-011-42	IC SI-3050F	
C684	1-137-370-11	FILM	0.01μF 5% 50V	IC691	8-759-140-85	IC μPC1093J	
C685	1-107-909-11	ELECT	47μF 20% 50V		<COIL>		
C690	1-107-888-11	ELECT	47μF 20% 25V	L610	1-416-409-11	INDUCTOR	220μH
C691	1-107-888-11	ELECT	47μF 20% 25V	L611	1-411-674-11	INDUCTOR	68μH
C692	1-111-016-11	ELECT	0.0012F 20% 10V		<CONNECTOR>		
C693	1-130-495-00	FILM	0.1μF 5% 50V	CN603	1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
C695	1-164-644-11	CERAMIC	330pF 10% 500V	CN604	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
C697	1-136-165-00	FILM	0.1μF 5% 50V	CN605	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	

GDM-500PS/500PST/500PST9



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

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
		RY602 Δ 1-755-031-11RELAY		C017	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
		<TRANSFORMER>		C018	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
		T601 Δ 1-429-180-11 TRANSFORMER, LINE FILTER		C019	1-126-967-11	ELECT 47 μ F	20% 50V
		T640 1-431-538-11 TRANSFORMER, CONVERTER (PIT)		C020	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
		T641 1-429-992-11 TRANSFORMER, CONVERTER (PRT)		C021	1-163-023-00	CERAMIC CHIP 0.015 μ F	10% 50V
		T660 1-431-565-11 TRANSFORMER, CONVERTER (SRT)					
		<THERMISTOR>		C022	1-126-933-11	ELECT 100 μ F	20% 16V
		TH601 Δ 1-809-260-11THERMISTOR, POWER		C023	1-163-009-11	CERAMIC CHIP 0.001 μ F	10% 50V
		THP601 Δ 1-809-827-11THERMISTOR, POSITIVE		C025	1-126-960-11	ELECT 1 μ F	20% 50V
		<VARISTOR>		C026	1-137-372-11	FILM 0.022 μ F	5% 50V
		VDR601 Δ 1-801-268-51VARISTOR TNR14V471K660		C027	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
		VDR602 Δ 1-810-622-21VARISTOR		C028	1-164-690-91	CERAMIC CHIP 0.0022 μ F	5% 50V
		VDR640 1-810-974-21VARISTOR TNR10V431K660		C029	1-126-960-11	ELECT 1 μ F	20% 50V
		*****		C030	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
		*8-933-276-00 D BOARD, COMPLETE		C031	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
		*****		C032	1-163-019-00	CERAMIC CHIP 0.0068 μ F	10% 50V
		4-040-989-01 SPRING (A), TR RETAINER (IC702)		C034	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
		4-040-992-01 SPRING (AA), TR RETAINER		C035	1-163-253-11	CERAMIC CHIP 120pF	5% 50V
		(IC502, Q507)		C036	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
		4-040-994-01 SPRING (BB), TR RETAINER		C037	1-126-934-11	ELECT 220 μ F	20% 16V
		(Q508, D519)		C038	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
		4-047-285-01 SHEET, INSULATING (Q909)		C039	1-126-964-11	ELECT 10 μ F	20% 50V
		4-060-719-02 SHEET, INSULATE (IC502)		C040	1-126-963-11	ELECT 4.7 μ F	20% 50V
		4-060-720-01 SHEET, INSULATE (Q508)		C041	1-126-960-11	ELECT 1 μ F	20% 50V
		4-060-844-01 SHEET, INSULATING (IC702)		C042	1-126-967-11	ELECT 47 μ F	20% 50V
		4-382-854-01 SCREW (M3X8), P, SW (+) (R937)		C043	1-126-967-11	ELECT 47 μ F	20% 50V
		4-382-854-11 SCREW (M3X10), P, SW (+)		C044	1-126-967-11	ELECT 47 μ F	20% 50V
		(IC702, Q704, Q706, Q908, Q909)		C045	1-163-137-00	CERAMIC CHIP 680pF	5% 50V
		7-685-646-79 SCREW +BVTP 3X8 TYPE2 IT-3		C046	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
		(IC502, Q507, Q508, D519, R511)		C047	1-126-934-11	ELECT 220 μ F	20% 16V
		<CAPACITOR>		C048	1-164-690-91	CERAMIC CHIP 0.0022 μ F	5% 50V
		C001 1-163-021-91 CERAMIC CHIP 0.01 μ F	10% 50V	C049	1-163-137-00	CERAMIC CHIP 680pF	5% 50V
		C002 1-163-009-11 CERAMIC CHIP 0.001 μ F	10% 50V	C050	1-163-809-11	CERAMIC CHIP 0.047 μ F	10% 25V
		C003 1-163-019-00 CERAMIC CHIP 0.0068 μ F	10% 50V	C051	1-126-960-11	ELECT 1 μ F	20% 50V
		C004 1-163-021-91 CERAMIC CHIP 0.01 μ F	10% 50V	C052	1-163-809-11	CERAMIC CHIP 0.047 μ F	10% 25V
		C005 1-163-021-91 CERAMIC CHIP 0.01 μ F	10% 50V	C054	1-126-963-11	ELECT 4.7 μ F	20% 50V
		C007 1-163-021-91 CERAMIC CHIP 0.01 μ F	10% 50V	C055	1-126-963-11	ELECT 4.7 μ F	20% 50V
		C008 1-164-004-11 CERAMIC CHIP 0.1 μ F	10% 25V	C056	1-163-809-11	CERAMIC CHIP 0.047 μ F	10% 25V
		C009 1-164-004-11 CERAMIC CHIP 0.1 μ F	10% 25V	C057	1-107-909-11	ELECT 47 μ F	20% 50V
		C010 1-163-237-11 CERAMIC CHIP 27pF	5% 50V	C058	1-126-934-11	ELECT 220 μ F	20% 16V
		C011 1-163-237-11 CERAMIC CHIP 27pF	5% 50V	C059	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
		C012 1-164-004-11 CERAMIC CHIP 0.1 μ F	10% 25V	C060	1-126-964-11	ELECT 10 μ F	20% 50V
		C013 1-126-967-11 ELECT 47 μ F	20% 50V	C061	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
		C014 1-107-914-11 ELECT 1000 μ F	20% 25V	C063	1-130-495-00	FILM 0.1 μ F	5% 50V
		C015 1-107-914-11 ELECT 1000 μ F	20% 25V	C065	1-126-965-11	ELECT 22 μ F	20% 50V
		C016 1-163-009-11 CERAMIC CHIP 0.001 μ F	10% 50V	C066	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
				C067	1-163-243-11	CERAMIC CHIP 47pF	5% 50V
				C068	1-126-964-11	ELECT 10 μ F	20% 50V
				C069	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
				C070	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
				C072	1-126-960-11	ELECT 1 μ F	20% 50V
				C073	1-163-227-11	CERAMIC CHIP 10pF	0.5pF 50V
				C074	1-163-009-11	CERAMIC CHIP 0.001 μ F	10% 50V
				C075	1-163-021-91	CERAMIC CHIP 0.01 μ F	10% 50V
				C076	1-163-809-11	CERAMIC CHIP 0.047 μ F	10% 25V
				C077	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V
				C078	1-164-004-11	CERAMIC CHIP 0.1 μ F	10% 25V



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C079	1-126-967-11	ELECT 47μF	20% 50V	C537	1-115-523-21	FILM 1.2μF	5% 250V
C080	1-126-967-11	ELECT 47μF	20% 50V	C538	1-117-958-11	FILM 0.24μF	5% 400V
C081	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C539	1-107-960-11	ELECT 4.7μF	20% 250V
C082	1-126-964-11	ELECT 10μF	20% 50V				
C083	1-130-495-00	FILM 0.1μF	5% 50V	C540	1-106-343-00	MYLAR 0.001μF	10% 200V
C084	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C541	1-163-243-11	CERAMIC CHIP 47pF	5% 50V
C085	1-130-495-00	FILM 0.1μF	5% 50V	C542	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C086	1-126-964-11	ELECT 10μF	20% 50V	C544	1-137-368-11	FILM 0.0047μF	5% 50V
C087	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C545	1-126-967-11	ELECT 47μF	20% 50V
C088	1-163-251-11	CERAMIC CHIP 100pF	5% 50V	C547	1-126-967-11	ELECT 47μF	20% 50V
C089	1-163-251-11	CERAMIC CHIP 100pF	5% 50V	C549	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C090	1-109-982-11	CERAMIC CHIP 1μF	10% 10V	C550	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C092	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C551	1-163-009-11	CERAMIC CHIP 0.001μF	10% 50V
C093	1-126-964-11	ELECT 10μF	20% 50V	C553	1-126-963-11	ELECT 4.7μF	20% 50V
C094	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C554	1-163-037-11	CERAMIC CHIP 0.022μF	10% 50V
C095	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C555	1-163-037-11	CERAMIC CHIP 0.022μF	10% 50V
C096	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C556	1-163-009-11	CERAMIC CHIP 0.001μF	10% 50V
C097	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C557	1-115-185-11	CERAMIC CHIP 0.033μF	10% 50V
C098	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C559	1-162-134-11	CERAMIC 470pF	10% 2KV
C099	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C561	1-137-194-81	FILM 0.47μF	5% 50V
C501	1-107-909-11	ELECT 47μF	20% 50V	C562	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C502	1-163-259-91	CERAMIC CHIP 220pF	5% 50V	C563	1-117-214-11	CERAMIC 0.001μF	10% 2KV
C503	1-136-169-00	FILM 0.22μF	5% 50V	C564	1-126-963-11	ELECT 4.7μF	20% 50V
C504	1-137-605-11	FILM 0.01μF	10% 250V	C666	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C505	1-163-251-11	CERAMIC CHIP 100pF	5% 50V	C667	1-126-967-11	ELECT 47μF	20% 50V
C506	1-136-169-00	FILM 0.22μF	5% 50V	C701	1-126-967-11	ELECT 47μF	20% 50V
C507	1-137-194-81	FILM 0.47μF	5% 50V	C702	1-130-495-00	FILM 0.1μF	5% 50V
C508	1-163-037-11	CERAMIC CHIP 0.022μF	10% 50V	C705	1-126-942-61	ELECT 1000μF	20% 25V
C509	1-126-941-11	ELECT 470μF	20% 25V	C706	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C510	1-137-368-11	FILM 0.0047μF	5% 50V	C707	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C511	1-117-398-11	ELECT 33μF	20% 250V	C709	1-130-495-00	FILM 0.1μF	5% 50V
C512	1-107-889-11	ELECT 220μF	20% 25V	C710	1-163-019-00	CERAMIC CHIP 0.0068μF	10% 50V
C513	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V	C711	1-107-894-11	ELECT 220μF	20% 35V
C514	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C712	1-106-228-00	MYLAR 0.22μF	10% 100V
C515	1-107-889-11	ELECT 220μF	20% 25V	C713	1-126-942-61	ELECT 1000μF	20% 25V
C516	1-130-495-00	FILM 0.1μF	5% 50V	C714	1-126-967-11	ELECT 47μF	20% 50V
C517	1-104-574-11	CERAMIC 0.0047μF	10% 2KV	C715	1-107-932-11	ELECT 47μF	20% 100V
C518	1-117-959-11	FILM 4700pF	3% 1.8KV	C717	1-107-930-91	ELECT 22μF	20% 100V
C519	1-107-444-11	CERAMIC 100pF	5% 2KV	C729	1-162-134-11	CERAMIC 470pF	10% 2KV
C520	1-136-553-11	FILM 0.0015μF	5% 630V	C735	1-130-495-00	FILM 0.1μF	5% 50V
C521	1-107-597-11	CERAMIC 22pF	5% 500V	C746	1-163-009-11	CERAMIC CHIP 0.001μF	10% 50V
C522	1-107-444-11	CERAMIC 100pF	5% 2KV	C747	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C523	1-137-370-11	FILM 0.01μF	5% 50V	C750	1-126-964-11	ELECT 10μF	20% 50V
C524	1-113-694-11	FILM 0.056μF	5% 250V	C751	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C525	1-107-846-11	FILM 0.1μF	5% 250V	C901	1-107-889-11	ELECT 220μF	20% 25V
C526	1-115-514-11	FILM 0.22μF	5% 250V	C902	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V
C527	1-115-517-11	FILM 0.39μF	5% 250V	C903	1-163-259-91	CERAMIC CHIP 220pF	5% 50V
C528	1-115-521-11	FILM 0.82μF	5% 250V	C904	1-137-605-11	FILM 0.01μF	10% 250V
C529	1-107-683-11	ELECT 2.2μF	0 250V	C905	1-104-653-11	ELECT 220μF	20% 16V
C530	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C906	1-106-220-00	MYLAR 0.1μF	10% 100V
C531	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C907	1-119-748-11	ELECT 33μF	20% 400V
C532	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C908	1-136-169-00	FILM 0.22μF	5% 50V
C533	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C909	1-106-355-12	MYLAR 0.0033μF	10% 200V
C534	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C910	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C535	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C911	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V
C536	1-128-526-11	ELECT 100μF	20% 25V	C912	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V
				C913	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V

GDM-500PS/500PST/500PST9



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C914	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V	D025	8-719-976-99	ZENER DIODE DTZ5.1B	
C915	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D026	8-719-800-76	DIODE 1SS226	
C916	1-136-064-00	FILM 2200pF	3% 1.2KV	D027	8-719-800-76	DIODE 1SS226	
C917	1-107-889-11	ELECT 220μF	20% 25V	D028	8-719-800-76	DIODE 1SS226	
C919	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D029	8-719-800-76	DIODE 1SS226	
C920	1-163-009-11	CERAMIC CHIP 0.001μF	10% 50V	D032	8-719-976-99	ZENER DIODE DTZ5.1B	
C921	1-163-243-11	CERAMIC CHIP 47pF	5% 50V	D035	8-719-801-78	DIODE 1SS184	
C922	1-117-665-11	FILM 0.33μF	5% 200V	D050	8-719-404-50	DIODE MA111-TX	
C923	1-106-359-00	MYLAR 0.0047μF	10% 100V	D501	8-719-977-40	ZENER DIODE DTZ13B	
C924	1-106-220-00	MYLAR 0.1μF	10% 100V	D502	8-719-063-89	DIODE YG911S3R	
C925	1-137-372-11	FILM 0.022μF	5% 50V	D503	8-719-404-50	DIODE MA111-TX	
C926	1-106-228-00	MYLAR 0.22μF	10% 100V	D504	8-719-984-73	DIODE SB560	
C927	1-107-903-11	ELECT 2.2μF	20% 50V	D505	8-719-018-82	DIODE RGP02-20EL-6394	
C928	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D506	8-719-911-19	DIODE 1SS119-25	
C929	1-128-526-11	ELECT 100μF	20% 25V	D507	8-719-911-19	DIODE 1SS119-25	
C930	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D508	8-719-109-85	ZENER DIODE RD5.1ESB2	
C931	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D509	8-719-911-19	DIODE 1SS119-25	
C945	1-107-909-11	ELECT 47μF	20% 50V	D510	8-719-951-30	DIODE ERA91-02	
C1003	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D511	8-719-911-19	DIODE 1SS119-25	
C1004	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D512	8-719-018-82	DIODE RGP02-20EL-6394	
C1005	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D513	8-719-404-50	DIODE MA111-TX	
C1007	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D514	8-719-109-93	ZENER DIODE RD6.2ESB2	
C1008	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D516	8-719-105-99	ZENER DIODE RD6.2M-B1	
C1009	1-126-960-11	ELECT 1μF	20% 50V	D517	8-719-105-99	ZENER DIODE RD6.2M-B1	
C1501	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D518	8-719-404-50	DIODE MA111-TX	
C1502	1-117-722-11	ELECT 2200μF	20% 10V	D519	8-719-066-36	DIODE FMQ-G5GS	
C1503	1-163-001-11	CERAMIC CHIP 220pF	10% 50V	D520	8-719-031-34	DIODE RGP02-20EG23	
<CONNECTOR>				D521	8-719-404-50	DIODE MA111-TX	
CN501*	1-564-512-11	PLUG, CONNECTOR 9P		D660	8-719-977-69	ZENER DIODE DTZ24B	
CN502*	1-764-334-11	PLUG, CONNECTOR 11P		D701	8-719-158-15	ZENER DIODE RD5.6SB	
CN503*	1-564-510-11	PLUG, CONNECTOR 7P		D704	8-719-404-50	DIODE MA111-TX	
CN504*	1-564-508-11	PLUG, CONNECTOR 5P		D705	8-719-404-50	DIODE MA111-TX	
CN505*	1-508-879-11	BASE POST		D706	8-719-976-99	ZENER DIODE DTZ5.1B	
CN506*	1-564-511-11	PLUG, CONNECTOR 8P		D709	8-719-979-85	DIODE EGP20G	
CN507	1-764-101-11	PIN, CONNECTOR (PC BOARD) 2P		D713	8-719-911-19	DIODE 1SS119-25	
CN508*	1-778-955-11	PIN, CONNECTOR (PC BOARD) 10P		D714	8-719-911-19	DIODE 1SS119-25	
CN509	1-564-505-11	PLUG, CONNECTOR 2P		D715	8-719-911-19	DIODE 1SS119-25	
CN511*	1-764-334-11	PLUG, CONNECTOR 11P		D718	8-719-976-99	ZENER DIODE DTZ5.1B	
CN512*	1-564-512-11	PLUG, CONNECTOR 9P		D720	8-719-028-72	DIODE RGP02-17EL-6433	
CN520*	1-564-509-11	PLUG, CONNECTOR 6P		D721	8-719-028-72	DIODE RGP02-17EL-6433	
CN901*	1-564-520-11	PLUG, CONNECTOR 5P		D901	8-719-404-50	DIODE MA111-TX	
<DIODE>				D902	8-719-404-50	DIODE MA111-TX	
D004	8-719-800-76	DIODE 1SS226		D903	8-719-911-19	DIODE 1SS119-25	
D009	8-719-976-99	DIODE DTZ5.1B		D904	8-719-404-50	DIODE MA111-TX	
D010	8-719-976-99	ZENER DIODE DTZ5.1B		D905	8-719-404-50	DIODE MA111-TX	
D012	8-719-800-76	DIODE 1SS226		D906	8-719-404-50	DIODE MA111-TX	
D013	8-719-800-76	DIODE 1SS226		D907	8-719-158-49	ZENER DIODE RD12SB2	
D014	8-719-800-76	DIODE 1SS226		D908	8-719-158-49	ZENER DIODE RD12SB2	
D015	8-719-800-76	DIODE 1SS226		D909	8-719-977-40	ZENER DIODE DTZ13B	
D016	8-719-800-76	DIODE 1SS226		D910	8-719-063-89	DIODE YG911S3R	
D019	8-719-800-76	DIODE 1SS226		D911	8-719-978-69	ZENER DIODE DTZ-TT11-16B	
D020	8-719-800-76	DIODE 1SS226		D913	8-719-158-49	ZENER DIODE RD12SB2	
				D915	8-719-109-85	ZENER DIODE RD5.1ESB2	
				D916	8-719-939-79	DIODE GMA01-BT	
				D917	8-719-110-46	ZENER DIODE RD16ESB3	
				D919	8-719-911-19	DIODE 1SS119-25	

The components identified by shading
and mark Δ are critical for safety.
Replace only with part number specified.

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

GDM-500PS/500PST/500PST9



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D921	8-719-404-50	DIODE MA111-TX		L505	1-406-675-11	COIL, CHOKE 4.7mH	
D922	8-719-404-50	DIODE MA111-TX		L507	1-406-675-11	COIL, CHOKE 4.7mH	
D923	8-719-404-50	DIODE MA111-TX		L701	1-412-537-31	INDUCTOR 100μH	
D924	8-719-976-99	ZENER DIODE DTZ5.1B		L702	1-412-522-31	INDUCTOR 5.6μH	
D935	8-719-977-81	ZENER DIODE DTZ33B		L901	1-412-537-31	INDUCTOR 100μH	
D1501	8-719-976-99	ZENER DIODE DTZ5.1B		L902	1-406-660-41	COIL, CHOKE 15μH	
D1502	8-719-404-50	DIODE MA111-TX		L903	1-412-537-31	INDUCTOR 100μH	
D1503	8-719-404-50	DIODE MA111-TX					
<FERRITE BEAD>				<IC LINK>			
FB501	1-410-397-21	INDUCTOR, FERRITE BEAD	1.1μH	PS501 Δ	1-533-592-31	LINK, IC (1.6A/90V AC, 60V DC)	
FB502	1-410-397-21	INDUCTOR, FERRITE BEAD	1.1μH	PS502 Δ	1-532-984-91	LINK, IC (2A/90V)	
FB901	1-410-397-21	INDUCTOR, FERRITE BEAD	1.1μH	PS503 Δ	1-532-984-91	LINK, IC (2A/90V)	
FB10251	1-414-232-11	INDUCTOR, FERRITE BEAD	1.1μH	PS504 Δ	1-532-984-91	LINK, IC (2A/90V)	
				PS701 Δ	1-533-590-31	LINK, IC (1A/90V AC, 60V DC)	
<IC>				PS901 Δ	1-533-592-31	LINK, IC (1.6A/90V AC, 60V DC)	
IC001	8-759-531-24	IC MB90553PF-G-120-BND		<TRANSISTOR>			
IC002	8-759-442-20	IC 24LC21AT/SN		Q001	8-729-027-31	TRANSISTOR DTA124EKA-T146	
IC003	8-759-168-20	IC TA78L09S		Q003	8-729-920-72	TRANSISTOR 2SA1037K-T-146-QR	
IC004	8-759-454-79	IC 24LC16BT/SN		Q004	8-729-920-72	TRANSISTOR 2SA1037K-T-146-QR	
IC005	8-759-162-80	IC MM1170BFB		Q005	8-729-920-72	TRANSISTOR 2SA1037K-T-146-QR	
IC006	8-759-231-53	IC TA7805S		Q006	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC007	8-752-078-46	IC CXA2043Q		Q007	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC008	8-759-701-59	IC NJM78M09FA		Q501	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC009	8-759-082-57	IC TC7W04FU		Q502	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC010	8-752-083-83	IC CXA2044M-T6		Q503	8-729-901-97	TRANSISTOR 2SA1036K-Q	
IC011	8-759-708-05	IC NJM78L05A		Q504	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC013	8-759-233-66	IC TC74HCT04AF		Q505	8-729-901-97	TRANSISTOR 2SA1036K-Q	
IC502	8-759-803-42	IC LA6500-FA		Q506	8-729-820-73	TRANSISTOR 2SC3746	
IC505	8-759-100-96	IC μPC4558G2		Q507	8-729-035-54	TRANSISTOR 2SJ449	
IC701	8-759-822-38	IC LA6510		Q508	8-729-031-87	TRANSISTOR 2SC5047-CA	
IC702	8-759-444-82	IC LA7841L		Q509	8-729-033-25	TRANSISTOR DTC114GKA	
IC703	8-759-100-96	IC μPC4558G2		Q510	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC901	8-759-467-70	IC BA9756FS-E2		Q511	8-729-140-50	TRANSISTOR 2SC3209LK	
<CHIP CONDUCTOR>				Q512	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
JR001	1-216-295-91	SHORT	0	Q517	8-729-920-72	TRANSISTOR 2SA1037K-T-146-QR	
JR002	1-216-295-91	SHORT	0	Q522	8-729-043-41	TRANSISTOR 2SK2098-01MR-F119	
JR003	1-216-295-91	SHORT	0	Q523	8-729-043-41	TRANSISTOR 2SK2098-01MR-F119	
JR004	1-216-295-91	SHORT	0	Q524	8-729-043-41	TRANSISTOR 2SK2098-01MR-F119	
<COIL>				Q525	8-729-043-41	TRANSISTOR 2SK2098-01MR-F119	
L001	1-406-665-11	COIL, CHOKE 100μH		Q526	8-729-043-41	TRANSISTOR 2SK2098-01MR-F119	
L002	1-406-665-11	COIL, CHOKE 100μH		Q527	8-729-043-41	TRANSISTOR 2SK2098-01MR-F119	
L003	1-412-537-31	INDUCTOR 100μH		Q528	8-729-043-41	TRANSISTOR 2SK2098-01MR-F119	
L004	1-412-537-31	INDUCTOR 100μH		Q660	8-729-033-26	TRANSISTOR DTA114GKAT146	
L006	1-410-482-31	INDUCTOR 100μH		Q661	8-729-033-25	TRANSISTOR DTC114GKA	
L007	1-412-537-31	INDUCTOR 100μH		Q701	8-729-800-32	TRANSISTOR 2SC2362K-G	
L008	1-412-537-31	INDUCTOR 100μH		Q703	8-729-178-43	TRANSISTOR 2SC2784-E	
L501	1-412-537-31	INDUCTOR 100μH		Q704	8-729-207-82	TRANSISTOR 2SC3421-Y	
L502	1-406-671-11	COIL, CHOKE 1.0mH		Q705	8-729-204-91	TRANSISTOR 2SA1049-GR	
L503	1-416-455-11	COIL, HORIZONTAL LINEARITY		Q706	8-729-207-89	TRANSISTOR 2SA1358-Y	
L504	1-416-456-11	COIL, HORIZONTAL LINEARITY		Q707	8-729-920-72	TRANSISTOR 2SA1037K-T-146-QR	
				Q708	8-729-020-07	TRANSISTOR 2SC4686A(LBSONY)	
				Q901	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
				Q902	8-729-920-72	TRANSISTOR 2SA1037K-T-146-QR	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R523	1-249-421-11	CARBON	2.2K	5%	1/4W	F	
R524	1-215-869-11	METAL OXIDE	1K	5%	1W	F	
R525	1-216-681-11	METAL CHIP	18K	0.50%	1/10W		
R526	1-214-840-00	METAL	100	1%	1/2W		
R527	1-214-840-00	METAL	100	1%	1/2W		
R528	1-214-840-00	METAL	100	1%	1/2W		
R529	1-260-313-51	CARBON	56	5%	1/2W		
R530	1-249-437-11	CARBON	47K	5%	1/4W		
R531	1-249-437-11	CARBON	47K	5%	1/4W		
R532	1-249-437-11	CARBON	47K	5%	1/4W		
R533	1-249-437-11	CARBON	47K	5%	1/4W		
R534	1-249-437-11	CARBON	47K	5%	1/4W		
R535	1-216-049-91	RES, CHIP	1K	5%	1/10W		
R536	1-216-049-91	RES, CHIP	1K	5%	1/10W		
R537	1-216-049-91	RES, CHIP	1K	5%	1/10W		
R538	1-216-049-91	RES, CHIP	1K	5%	1/10W		
R539	1-216-049-91	RES, CHIP	1K	5%	1/10W		
R540	1-216-073-00	RES, CHIP	10K	5%	1/10W		
R541	1-260-314-11	CARBON	68	5%	1/2W		
R542	1-215-863-11	METAL OXIDE	100	5%	1W	F	
R543	1-216-640-11	METAL CHIP	360	0.50%	1/10W		
R544	1-260-085-11	CARBON	68	5%	1/2W		
R545	1-216-683-11	METAL CHIP	22K	0.50%	1/10W		
R546	1-260-288-11	CARBON	0.47	5%	1/2W		
R547	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W		
R548	1-215-443-00	METAL	8.2K	1%	1/4W		
R549	1-216-675-11	METAL CHIP	10K	0.50%	1/10W		
R550	1-260-288-11	CARBON	0.47	5%	1/2W		
R551	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W		
R552	1-216-057-00	RES, CHIP	2.2K	5%	1/10W		
R553	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W		
R554	1-216-675-11	METAL CHIP	10K	0.50%	1/10W		
R555	1-216-065-91	RES, CHIP	4.7K	5%	1/10W		
R556	1-216-674-11	METAL CHIP	9.1K	0.50%	1/10W		
R557	1-218-760-11	METAL CHIP	220K	0.50%	1/10W		
R558	1-216-683-11	METAL CHIP	22K	0.50%	1/10W		
R561	1-216-683-11	METAL CHIP	22K	0.50%	1/10W		
R562	1-249-401-11	CARBON	47	5%	1/4W	F	
R563	1-216-662-11	METAL CHIP	3K	0.50%	1/10W		
R564	1-216-697-91	METAL CHIP	82K	0.50%	1/10W		
R565	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W		
R566	1-260-311-11	CARBON	39	5%	1/2W		
R567	1-216-627-11	METAL CHIP	100	0.50%	1/10W		
R568	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W		
R571	1-216-381-11	METAL OXIDE	0.22	5%	3W	F	
R572	1-216-097-91	RES, CHIP	100K	5%	1/10W		
R573	1-216-097-91	RES, CHIP	100K	5%	1/10W		
R574	1-216-097-91	RES, CHIP	100K	5%	1/10W		
R575	1-216-097-91	RES, CHIP	100K	5%	1/10W		
R576	1-216-097-91	RES, CHIP	100K	5%	1/10W		
R577	1-216-057-00	RES, CHIP	2.2K	5%	1/10W		
R578	1-216-025-91	RES, CHIP	100	5%	1/10W		
R579	1-216-672-11	METAL CHIP	7.5K	0.50%	1/10W		
R580	1-216-073-00	RES, CHIP	10K	5%	1/10W		
R581	1-216-073-00	RES, CHIP	10K	5%	1/10W		
R582	1-216-073-00	RES, CHIP	10K	5%	1/10W		
R583	1-216-677-11	METAL CHIP	12K	0.50%	1/10W		
R584	1-216-081-00	RES, CHIP	22K	5%	1/10W		
R585	1-216-081-00	RES, CHIP	22K	5%	1/10W		
R586	1-216-049-91	RES, CHIP	1K	5%	1/10W		
R587	1-216-049-91	RES, CHIP	1K	5%	1/10W		
R588	1-216-097-91	RES, CHIP	100K	5%	1/10W		
R589	1-216-097-91	RES, CHIP	100K	5%	1/10W		
R590	1-216-675-11	METAL CHIP	10K	0.50%	1/10W		
R591	1-216-675-11	METAL CHIP	10K	0.50%	1/10W		
R594	1-249-437-11	CARBON	47K	5%	1/4W		
R595	1-249-437-11	CARBON	47K	5%	1/4W		
R596	1-216-683-11	METAL CHIP	22K	0.50%	1/10W		
R663	1-215-482-00	METAL	360K	1%	1/4W		
R664	1-215-459-00	METAL	39K	1%	1/4W		
R665	1-216-049-91	RES, CHIP	1K	5%	1/10W		
R667	1-216-041-00	RES, CHIP	470	5%	1/10W		
R669	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W		
R701	1-249-383-11	CARBON	1.5	5%	1/4W	F	
R702	1-216-057-00	RES, CHIP	2.2K	5%	1/10W		
R703	1-216-085-00	RES, CHIP	33K	5%	1/10W		
R704	1-249-383-11	CARBON	1.5	5%	1/4W	F	
R705	1-249-385-11	CARBON	2.2	5%	1/4W		
R706	1-216-093-91	RES, CHIP	68K	5%	1/10W		
R707	1-249-421-11	CARBON	2.2K	5%	1/4W		
R708	1-216-073-00	RES, CHIP	10K	5%	1/10W		
R709	1-216-473-11	METAL OXIDE	56	5%	3W	F	
R710	1-216-073-00	RES, CHIP	10K	5%	1/10W		
R715	1-216-077-00	RES, CHIP	15K	5%	1/10W		
R719	1-249-383-11	CARBON	1.5	5%	1/4W	F	
R720	1-260-292-11	CARBON	1	5%	1/2W		
R721	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W		
R722	1-216-691-11	METAL CHIP	47K	0.50%	1/10W		
R723	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W		
R724	1-214-798-21	METAL	1.8	1%	1/2W		
R725	1-214-798-21	METAL	1.8	1%	1/2W		
R726	1-216-675-11	METAL CHIP	10K	0.50%	1/10W		
R727	1-260-292-11	CARBON	1	5%	1/2W		
R728	1-249-381-11	CARBON	1	5%	1/4W	F	
R729	1-215-865-11	METAL OXIDE	220	5%	1W	F	
R730	1-219-746-11	CARBON	1K	5%	1/2W		
R731	1-216-073-00	RES, CHIP	10K	5%	1/10W		
R732	1-216-073-00	RES, CHIP	10K	5%	1/10W		
R733	1-219-746-11	CARBON	1K	5%	1/2W		
R734	1-215-881-11	METAL OXIDE	15	5%	2W	F	
R737	1-249-377-11	CARBON	0.47	5%	1/4W	F	
R738	1-249-377-11	CARBON	0.47	5%	1/4W	F	
R739	1-249-413-11	CARBON	470	5%	1/4W	F	
R741	1-249-430-11	CARBON	12K	5%	1/4W		
R742	1-249-419-11	CARBON	1.5K	5%	1/4W		
R743	1-216-049-91	RES,CHIP	1K	5%	1/10W		
R748	1-216-683-11	METAL CHIP	22K	0.50%	1/10W		
R749	1-216-049-91	RES, CHIP	1K	5%	1/10W		
R750	1-216-057-00	RES, CHIP	2.2K	5%	1/10W		
R751	1-216-065-91	RES, CHIP	4.7K	5%	1/10W		
R752	1-216-083-00	RES, CHIP	27K	5%	1/10W		

GDM-500PS/500PST/500PST9



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

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R753	1-219-720-11	METAL 10M	5% 1W	R1012	1-216-049-91	RES, CHIP 1K	5% 1/10W
R754	1-219-754-11	CARBON 680K	5% 1/2W	R1013	1-216-049-91	RES, CHIP 1K	5% 1/10W
R755	1-219-754-11	CARBON 680K	5% 1/2W	R1014	1-216-049-91	RES, CHIP 1K	5% 1/10W
R756	1-220-824-11	CARBON 270K	5% 1/2W	R1015	1-216-295-91	SHORT 0	
R759	1-218-754-11	METAL CHIP 120K	0.50%1/10W				
R776	1-216-049-91	RES, CHIP 1K	5% 1/10W	R1016	1-216-049-91	RES, CHIP 1K	5% 1/10W
R777	1-216-681-11	METAL CHIP 18K	0.50%1/10W	R1017	1-216-065-91	RES, CHIP 4.7K	5% 1/10W
R778	1-216-667-11	METAL CHIP 4.7K	0.50%1/10W	R1020	1-216-049-91	RES, CHIP 1K	5% 1/10W
R779	1-216-049-91	RES, CHIP 1K	5% 1/10W	R1021	1-216-049-91	RES, CHIP 1K	5% 1/10W
R784	1-216-081-00	RES, CHIP 22K	5% 1/10W	R1022	1-216-295-91	SHORT 0	
R900	1-216-399-00	METAL OXIDE 6.8	5% 3W F	R1023	1-216-295-91	SHORT 0	
R901	1-216-057-00	RES, CHIP 2.2K	5% 1/10W	R1024	1-216-295-91	SHORT 0	
R902	1-216-065-91	RES, CHIP 4.7K	5% 1/10W	R1025	1-249-389-11	CARBON 4.7	5% 1/4W F
R903	1-216-073-00	RES, CHIP 10K	5% 1/10W	R1027	1-216-065-91	RES, CHIP 4.7K	5% 1/10W
R904	1-216-057-00	RES, CHIP 2.2K	5% 1/10W	R1028	1-216-049-91	RES, CHIP 1K	5% 1/10W
R905	1-216-025-91	RES, CHIP 100	5% 1/10W	R1501	1-216-057-00	RES, CHIP 2.2K	5% 1/10W
R906	1-216-065-91	RES, CHIP 4.7K	5% 1/10W	R1502	1-216-073-00	RES, CHIP 10K	5% 1/10W
R907	1-216-025-91	RES, CHIP 100	5% 1/10W	R1503	1-216-125-00	RES, CHIP 1.5M	5% 1/10W
R908	1-216-091-00	RES, CHIP 56K	5% 1/10W	R1504	1-216-097-91	RES, CHIP 100K	5% 1/10W
R909	1-216-689-11	RES, CHIP 39K	5% 1/10W	R1513	1-216-049-91	RES, CHIP 1K	5% 1/10W
R910	1-216-073-00	RES, CHIP 10K	5% 1/10W	R1514	1-216-049-91	RES, CHIP 1K	5% 1/10W
R911	1-216-049-91	RES, CHIP 1K	5% 1/10W				
R912	1-218-768-11	METAL CHIP 470K	0.50%1/10W	<RELAY>			
R913	1-219-748-11	CARBON 4.7K	5% 1/2W	RY501	1-755-137-11	RELAY	
R914	1-219-510-11	CARBON 470K	5% 1/2W				
R915	1-249-437-11	CARBON 47K	5% 1/4W	<SPARK GAP>			
R916	1-249-429-11	CARBON 10K	5% 1/4W	SG701	1-519-422-11	GAP, SPARK	
R917	1-216-073-00	RES, CHIP 10K	5% 1/10W	SG702	1-519-422-11	GAP, SPARK	
R918	1-216-097-91	RES, CHIP 100K	5% 1/10W	SG901	1-517-499-21	GAP, SPARK	
R919	1-216-025-91	RES, CHIP 100	5% 1/10W				
R920	1-249-401-11	CARBON 47	5% 1/4W F	<TRANSFORMER>			
R921	1-216-668-11	METAL CHIP 5.1K	0.50%1/10W	T501	1-429-303-21	TRANSFORMER, FERRITE (HDT)	
R922	1-216-041-00	RES, CHIP 470	5% 1/10W	T502	1-416-401-11	COIL, CHOKE 5mH	
R923	1-216-675-11	METAL CHIP 10K	0.50%1/10W	T503	1-431-413-11	TRANSFORMER, FERRITE (HST)	
R924	1-249-397-11	CARBON 22	5% 1/4W F	T504	1-416-257-11	COIL, CHOKE (HCC) 2.0MH	
R925	1-216-653-11	METAL CHIP 1.2K	0.50%1/10W	T701	1-431-414-11	TRANSFORMER, FERRITE (DFT)	
R926	1-216-653-11	METAL CHIP 1.2K	0.50%1/10W				
R927	1-216-073-00	RES, CHIP 10K	5% 1/10W	T901	1-416-402-11	COIL, CHOKE 500μH	
R928	1-216-667-11	METAL CHIP 4.7K	0.50%1/10W	T902 Δ	X-4035-170-1	TRANSFORMER ASSY, FLYBACK	
R929	1-216-033-00	RES, CHIP 220	5% 1/10W			(NX-4142/J1D4)	
R930	1-216-033-00	RES, CHIP 220	5% 1/10W	<THERMISTOR>			
R933	1-216-683-11	METAL CHIP 22K	0.50%1/10W	TH501	1-807-796-11	THERMISTOR	
R934	1-216-667-11	METAL CHIP 4.7K	0.50%1/10W	TH502	1-807-796-11	THERMISTOR	
R937	1-219-727-11	METAL 68	5% 10W				
R940	1-249-393-11	CARBON 10	5% 1/4W F	<CRYSTAL>			
R941	1-216-073-00	RES, CHIP 10K	5% 1/10W	X001	1-567-781-61	VIBRATOR, CRYSTAL (4MHz)	
R980	1-216-049-91	RES, CHIP 1K	5% 1/10W				
R981	1-216-025-91	RES, CHIP 100	5% 1/10W				
R1001	1-216-073-00	RES, CHIP 10K	5% 1/10W				
R1003	1-216-049-91	RES, CHIP 1K	5% 1/10W				
R1004	1-216-049-91	RES, CHIP 1K	5% 1/10W				
R1005	1-216-049-91	RES, CHIP 1K	5% 1/10W				
R1006	1-216-049-91	RES, CHIP 1K	5% 1/10W				
R1007	1-216-049-91	RES, CHIP 1K	5% 1/10W				
R1009	1-216-097-91	RES, CHIP 100K	5% 1/10W				
R1011	1-216-073-00	RES, CHIP 10K	5% 1/10W				

GDM-500PS/500PST/500PST9

L or L3

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C5205	1-164-489-11	CERAMIC CHIP 0.22μF	10% 16V	R5003	1-216-295-91	SHORT	0
C5206	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	R5005	1-216-689-11	RES,CHIP	39K 5% 1/10W
C5301	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	R5006	1-216-073-00	RES,CHIP	10K 5% 1/10W
C5303	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	R5007	1-216-049-91	RES,CHIP	1K 5% 1/10W
C5304	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V				
C5305	1-104-664-11	ELECT 47μF	20% 25V	R5008	1-216-295-91	SHORT	0 (L BOARD)
C5306	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	R5009	1-216-295-91	SHORT	0 (L BOARD)
C5307	1-130-495-00	FILM 0.1μF	5% 50V	R5010	1-216-295-91	SHORT	0
C5308	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	R5011	1-216-073-00	RES, CHIP	10K 5% 1/10W
C5309	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	R5012	1-216-295-91	SHORT	0 (L BOARD)
C5310	1-104-664-11	ELECT 47μF	20% 25V				
C5311	1-130-495-00	FILM 0.1μF	5% 50V	R5013	1-216-295-91	SHORT	0 (L BOARD)
C5401	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	R5015	1-216-049-91	RES, CHIP	1K 5% 1/10W
C5403	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	R5101	1-249-383-11	CARBON	1.5 5% 1/4W F
C5404	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	R5102	1-249-383-11	CARBON	1.5 5% 1/4W F
C5405	1-104-664-11	ELECT 47μF	20% 25V	R5108	1-216-308-00	RES, CHIP	4.7 5% 1/10W
C5406	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V				
C5407	1-130-495-00	FILM 0.1μF	5% 50V	R5109	1-216-308-00	RES, CHIP	4.7 5% 1/10W
C5408	1-163-003-11	CERAMIC CHIP 330pF	10% 50V	R5110	1-216-073-00	RES, CHIP	10K 5% 1/10W
C5409	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	R5111	1-216-308-00	RES, CHIP	4.7 5% 1/10W
C5410	1-104-664-11	ELECT 47μF	20% 25V	R5112	1-249-383-11	CARBON	1.5 5% 1/4W F
C5412	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	R5113	1-216-073-00	RES, CHIP	10K 5% 1/10W
C5501	1-126-934-11	ELECT 220μF	20% 10V				
<CONNECTOR>				R5114	1-249-441-11	CARBON	100K 5% 1/4W F
CN5001	1-564-512-11	PLUG, CONNECTOR 9P		R5115	1-215-882-00	METAL OXIDE	22 5% 2W F
CN5002	1-564-509-11	PLUG, CONNECTOR 6P		R5116	1-216-073-00	RES, CHIP	10K 5% 1/10W
CN5003	1-564-513-11	PLUG, CONNECTOR 10P		R5117	1-216-308-00	RES, CHIP	4.7 5% 1/10W
CN5004	1-564-507-11	PLUG, CONNECTOR 4P		R5119	1-216-073-00	RES, CHIP	10K 5% 1/10W
<DIODE>							
D5002	8-719-801-78	DIODE 1SS184		R5120	1-249-383-11	CARBON	1.5 5% 1/4W F
D5101	8-719-800-76	DIODE 1SS226		R5121	1-249-441-11	CARBON	100K 5% 1/4W F
D5103	8-719-800-76	DIODE 1SS226		R5122	1-215-882-00	METAL OXIDE	22 5% 2W F
D5201	8-719-800-76	DIODE 1SS226		R5201	1-249-383-11	CARBON	1.5 5% 1/4W F
D5301	8-719-800-76	DIODE 1SS226		R5202	1-249-383-11	CARBON	1.5 5% 1/4W F
D5303	8-719-800-76	DIODE 1SS226					
D5401	8-719-800-76	DIODE 1SS226		R5203	1-249-383-11	CARBON	1.5 5% 1/4W F
D5403	8-719-800-76	DIODE 1SS226		R5204	1-249-441-11	CARBON	100K 5% 1/4W F
D5501	8-719-976-96	ZENER DIODE DTZ4.7C		R5205	1-216-073-00	RES,CHIP	10K 5% 1/10W
<SENSOR>				R5206	1-215-859-00	METAL OXIDE	22 5% 1W F
GS50018	610-154-91	SENSOR UNIT, MAGNETIC MIU-212		R5207	1-216-073-00	RES, CHIP	10K 5% 1/10W
<IC>							
IC5101	8-759-822-38	IC LA6510		R5208	1-216-670-11	METAL CHIP	6.2K 0.50%1/10W
IC5201	8-759-803-42	IC LA6500-FA		R5301	1-249-383-11	CARBON	1.5 5% 1/4W F
IC5301	8-759-822-38	IC LA6510		R5302	1-249-383-11	CARBON	1.5 5% 1/4W F
IC5401	8-759-822-38	IC LA6510		R5308	1-216-308-00	RES, CHIP	4.7 5% 1/10W
<RESISTOR>				R5309	1-216-308-00	RES, CHIP	4.7 5% 1/10W
R5001	1-249-383-11	CARBON 1.5	5% 1/4W F				
				R5310	1-216-073-00	RES, CHIP	10K 5% 1/10W
				R5311	1-216-308-00	RES, CHIP	4.7 5% 1/10W
				R5312	1-249-383-11	CARBON	1.5 5% 1/4W F
				R5313	1-216-073-00	RES, CHIP	10K 5% 1/10W
				R5314	1-249-441-11	CARBON	100K 5% 1/4W F
				R5315	1-215-882-00	METAL OXIDE	22 5% 2W F
				R5316	1-216-073-00	RES, CHIP	10K 5% 1/10W
				R5317	1-216-308-00	RES, CHIP	4.7 5% 1/10W
				R5319	1-216-073-00	RES, CHIP	10K 5% 1/10W
				R5320	1-249-383-11	CARBON	1.5 5% 1/4W F
				R5321	1-249-441-11	CARBON	100K 5% 1/4W F
				R5322	1-215-882-00	METAL OXIDE	22 5% 2W F
				R5401	1-249-383-11	CARBON	1.5 5% 1/4W F
				R5402	1-249-383-11	CARBON	1.5 5% 1/4W F
				R5406	1-216-689-11	RES, CHIP	39K 5% 1/10W
				R5407	1-216-079-00	RES, CHIP	18K 5% 1/10W
				R5408	1-216-308-00	RES, CHIP	4.7 5% 1/10W

L or L3

REF.NO.	PART NO.	DESCRIPTION		REMARK
R5409	1-216-308-00	RES, CHIP	4.7	5% 1/10W
R5410	1-216-089-91	RES, CHIP	47K	5% 1/10W
R5411	1-216-308-00	RES, CHIP	4.7	5% 1/10W
R5412	1-249-383-11	CARBON	1.5	5% 1/4W F
R5413	1-216-097-91	RES, CHIP	100K	5% 1/10W
R5414	1-249-441-11	CARBON	100K	5% 1/4W F
R5415	1-215-886-11	METAL OXIDE	100	5% 2W F
R5416	1-216-077-00	RES, CHIP	15K	5% 1/10W
R5417	1-216-308-00	RES, CHIP	4.7	5% 1/10W
R5419	1-216-089-91	RES, CHIP	47K	5% 1/10W
R5420	1-249-383-11	CARBON	1.5	5% 1/4W F
R5421	1-249-441-11	CARBON	100K	5% 1/4W F
R5422	1-215-885-00	METAL OXIDE	68	5% 2W F
R5423	1-216-105-91	RES, CHIP	220K	5% 1/10W
R5501	1-216-057-00	RES, CHIP	2.2K	5% 1/10W
R5502	1-216-681-11	METAL CHIP	18K	0.50%1/10W
R5503	1-216-681-11	METAL CHIP	18K	0.50%1/10W
R5504	1-216-093-00	RES, CHIP	68K	5% 1/10W
R5505	1-216-067-00	RES, CHIP	5.6K	5% 1/10W
R5506	1-216-670-11	METAL CHIP	6.2K	0.50%1/10W