

SERVICE MANUAL

AEP Model



- Service of remote commander RMT-3000.
- Remote commander RMT-3000 is available as a unit.
But as individual parts the battery case lid of commander is only available.

SPECIFICATIONS

Inputs/outputs

S video inputs (8)

Jack type	4-pin mini DIN
Y signal	1 Vp-p, 75 ohms unbalanced (when terminated), sync negative
C signal (burst signal)	0.286 Vp-p, 75 ohms unbalanced (when terminated)

S video outputs (9)

Jack type	4-pin mini DIN
Y signal	1 Vp-p, 75 ohms unbalanced (when terminated), sync negative
C signal (burst signal)	0.286 Vp-p, 75 ohms unbalanced (when terminated)

Video inputs (8)

Jack type	Phono jack
Reference signal input	1.0 Vp-p, 75 ohms unbalanced (when terminated)
Sync	Negative

Video outputs (10)

Jack type	Phono jack/21-pin connector
Output level	1.0 Vp-p, 75 ohms unbalanced (when terminated)
Sync	Negative
Signal-to-noise ratio	More than 48 dB
Crosstalk	More than 45 dB (3.58 MHz)

Audio inputs (9)

Jack type	Phono jack
Reference signal input	-7.5 dB
Input capacity	2.0 Vrms
Input impedance	More than 47 kilohms

Audio outputs (10)

Jack type	Phono jack/21-pin connector
Output impedance	Less than 5 kilohms
Gain	0 dB (MONITOR $\square$): 0 dB to -60 dB variable)
Signal-to-noise ratio	More than 80 dB
Separation	More than 80 dB
Crosstalk	More than 80 dB

CONTROL S input/output

Jack type	Mini jack
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Others

Power requirements	220 V AC, 50 Hz
Power consumption	44 W (5.5 W during idling)
Dimensions	430 x 115 x 370 mm (w/h/d) (17 x 4 $\frac{5}{8}$ x 14 $\frac{5}{8}$ inches)
Weight	Approx. 7.1 kg (15 lb. 10 oz.)
Accessories supplied	Remote commander RMT-3000 (1) Sony SUM-3(NS) batteries (2) Labels for input/output selection (1 set)

Remote commander RMT-3000

Remote control system	Infrared control
Power requirements	3 V DC
Dimensions	67 x 20 x 176 mm (w/h/d) (2 $\frac{3}{4}$ x 1 $\frac{3}{16}$ x 7 inches)
Weight	Approx. 110 g (4 oz.) not including batteries

Design and specifications are subject to change without notice.



VIDEO/AUDIO SELECTOR

SONY®

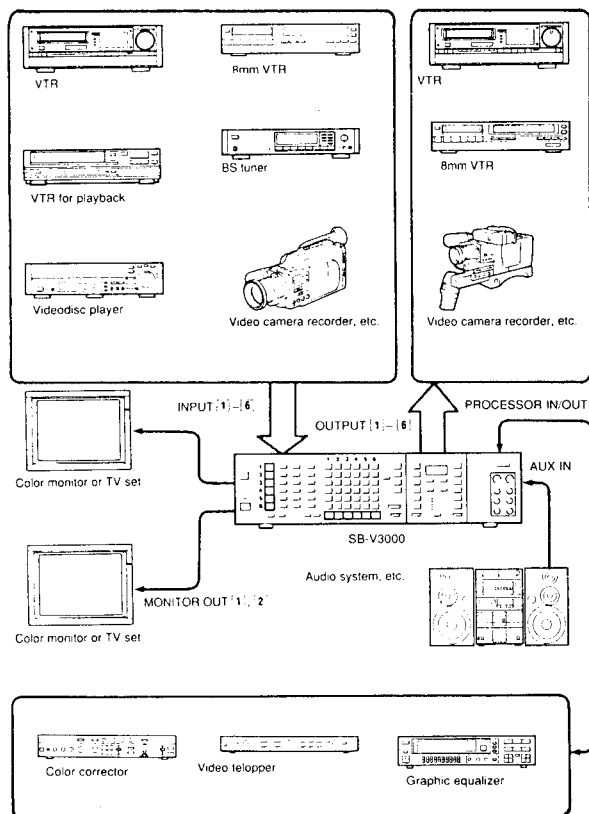
TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>	<u>Section</u>	<u>Title</u>	<u>Page</u>
1.	GENERAL.....	3	4-2.	Printed Wiring Boards and Schematic Diagrams	41
2.	DISASSEMBLY.....	20	•	CY-5 Board	42
3.	DIAGRAMS		•	FT-40 Board	49
3-1.	Circuit Board Location	21	•	FY-4 Board	49
3-2.	Overall Block Diagram	22	•	CE-11 Board	52
3-3.	Video I/O, Composite, Y Block Diagram	23	•	CA-26 Board	55
3-4.	Video I/O, Parallel Series Converter Diagram	25	•	RT-13 Board	60
3-5.	Audio, Video Control, Chroma Block Diagram	27	•	PW-65 Board	65
3-6.	Power Block Diagram	30	•	FD-11 Board	69
3-7.	System Control Block Diagram	33	•	PD-20 Board	69
3-8.	System Control (KS-5 Board IC401)	36	•	KS-5 Board	71
4.	PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS		4-3.	Semiconductors	77
4-1.	Frame Schematic Diagram	37	5.	EXPLODED VIEWS	
			5-1.	Front Panel, Cabinet Assembly	79
			5-2.	Board and Chassis Section	80
			6.	ELECTRICAL PARTS LIST	81
			7.	ELECTRICAL ADJUSTMENT	102

SAFETY-RELATED COMPONENT WARNING!!

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

1-1. OUTLINE

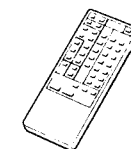


Various Kinds of Equipment Can Be Connected

Any type of audio equipment can be connected independently to the six sets of input/output jacks, and each input/output device can be freely selected. (Full cross dubbing)

- Three different dubbings can be performed at the same time.
- All six sets of the input/output jacks include S VIDEO jacks.
- A composite video signal can be transformed into a Y/C separated S video signal when output.
- There are two monitor output jacks, one of which constantly outputs the S video signal.
- Visual or auditory effects can be added by using an AV processor, such as a color corrector or an equalizer. CD sound also can be recorded—instead of the audio signals from the video source material—while editing the video image.

Accessories supplied



Remote commander RMT-3000 (1)



R6 (size AA) batteries (2)

Labels for INPUT/OUTPUT selection (1 set)

An easy and smooth operation

The buttons on the front panel allow you to easily complete the whole sequence of selecting input/output signals.

Three kinds of output mode can be selected.

- Mode A is for secure and simple editing. INPUT and OUTPUT of the same number must be connected to the same equipment. The source from the equipment connected to INPUT [1], for example, is always recorded on the equipment connected to the OUTPUT other than [1]. If an inappropriate output is selected for an input, the MATRIX SELECT button blinks.

- Mode B is for flexible and diverse editing. INPUT and OUTPUT of the same number can be connected to any different kind of equipment. The source from the equipment connected to INPUT [1], for example, can be recorded on the equipment connected to OUTPUT [1].
- Mode C is for editing audio and video sources separately.

Up to 4 input/output combinations can be put into memory.

The four memory buttons can memorize the input/output combinations preset with the buttons on the front panel, or how to use the monitor or the AV processor, etc. Just one press on the memory button turns the unit into the desired preset conditions.

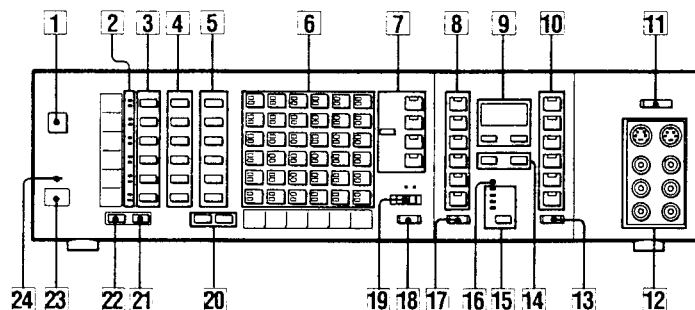
SECTION 1 GENERAL

This section is extracted from instruction manual.

1-2. LOCATION AND FUNCTION OF CONTROLS

Front panel

Refer to the pages indicated in ● for details.



1 POWER switch

2 VIDEO indicators (S/V)

The S indicator lights up when the S video signal is input, and the V indicator lights up when the composite video signal is input. The unit automatically detects which signal is input.

3 V • S (composite • S video transforming) switches

Press to transform the composite video signal into the S video signal when output.

4 AUX (auxiliary) AUDIO selectors

Press to select the audio signal from the audio system connected to the AUX IN jacks at the rear, instead of the audio signal from the video equipment selected as an input source.

5 PROCESSOR selectors

Selects the input signal to which special effects are to be added, using the AV processor, such as a color corrector or a graphic equalizer. Press the selector whose number corresponds to that of the input jack for the input signal.

6 MATRIX SELECT (input/output select) buttons

Selects input source and output destination equipment. Press the button at the position where the number of the input jack crosses that of the output jack.

7 MEMORY (M1/M2/M3/M4) buttons/SET (memory set) button

Puts the preset input/output setting into memory. Press one of the MEMORY M1 - M4 buttons while pressing the SET button. To recall the memory, press the desired MEMORY button.

8 MONITOR 1 selectors

9 AUDIO ATTENUATOR indicator/▼▲ buttons

The indicator shows the attenuation amount of the volume currently output to monitor 1. 0 indicates the highest volume and 60 the lowest. Press the ▼ button to increase the volume and press the ▲ button to decrease it.

10 MONITOR 2 selectors

11 FRONT/REAR 6 selector

Selects which of the 6 jacks are to be used; 6 jacks on the front or those at the rear. The indicator lights up when the FRONT is selected.

12 IN/OUT (input/output) 6 S VIDEO/VIDEO/AUDIO jacks

Functions the same as the jacks 6 at the rear. It is useful for connecting equipment necessary for editing use, such as an 8mm video camera recorder. Select the front or rear jacks by using the FRONT/REAR 6 selector.

13 INPUT/OUTPUT 2 (monitor 2 input/output) selector

Selects the signal output to monitor 2; the signal currently input to the INPUT jack or the signal currently output from the OUTPUT jack.

14 MUTING buttons

Press to mute the video (VIDEO) or audio (AUDIO) output to monitor 1. Press the button again to cancel the muting.

15 AUDIO MODE selector and indicators

Changes the sound output to monitor 1 to STEREO, MONO (monaural), LEFT (left channel only), or R (right channel only).

16 AUTO Y/C SEPARATE indicator

Lights up when the output signal to monitor 1 is automatically transformed into the Y/C separated S video signal.

17 INPUT/OUTPUT 1 (monitor 1 input/output) selector

Selects the signal output to monitor 1; the signal currently input to the INPUT jack or the signal currently output from the OUTPUT jack.

18 VIDEO/AUDIO selector

Selects the signal output to the OUTPUT jack: the video signal or the audio signal input from the equipment connected to the INPUT jack. Select the signal before specifying input/output equipment, using the MATRIX SELECT buttons. This selector functions only when the OUTPUT MODE switch is set to the C position.

19 OUTPUT MODE switch and indicators

Selects either mode A, B, or C, whichever is most appropriate for your use. The mode B or C indicator lights up when the unit can be operated properly with the designated input/output equipment only in mode B or C.

20 PROCESSOR PASS buttons (VIDEO/AUDIO)

If the connected AV processor is not equipped with either video or audio input jacks, press the corresponding button. Press the VIDEO button, for example, when an equalizer is connected.

21 CLEAR button

Press to cancel all the settings made with MATRIX SELECT buttons, V → S switches, AUX AUDIO selectors, and PROCESSOR selectors. Use the button to do all the presettings over again. (The monitor output setting and the memory of the MEMORY button are not canceled.)

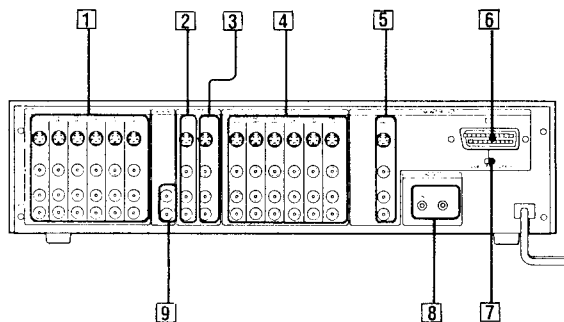
22 MODE LOCK button (ON/OFF)

Press to fix the current input/output setting. No controls function except MONITOR 1, 2 selectors and the POWER switch. Press the button again to release the lock.

23 Remote sensor

24 STANDBY lamp

Lights up when the power is turned off by use of the remote commander while the POWER switch on the main unit is set to ON.



Rear panel

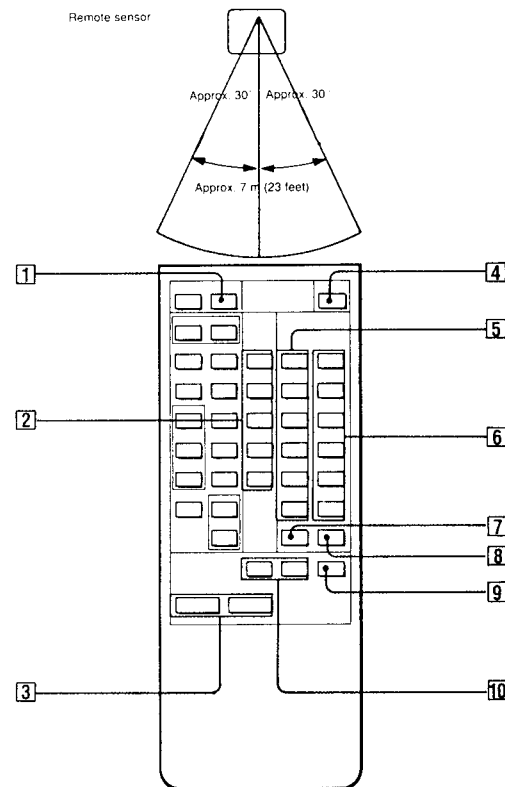
Refer to pages 24 to 32 for connections.

- 1 INPUT [1]–[6] S VIDEO/VIDEO/AUDIO jacks (4-pin mini DIN/phono jack)
- 2 PROCESSOR IN (processor input) S VIDEO/VIDEO/AUDIO jacks (4-pin mini DIN/phono jack)
- 3 PROCESSOR OUT (processor output) S VIDEO/VIDEO/AUDIO jacks (4-pin mini DIN/phono jack)
- 4 OUTPUT [1]–[6] S VIDEO/VIDEO/AUDIO jacks (4-pin mini DIN/phono jack)
- 5 MONITOR OUT (monitor output) [1] S VIDEO/VIDEO/AUDIO jacks (4-pin mini DIN/phono jack)
Outputs composite video signal when composite video signal is input, or outputs S video signal when S video signal is input.
- 6 MONITOR OUT (monitor output) [2] connector (21-pin)
Outputs both video and audio signals. If the composite video signal is input, the Y/C separated signal can be output from this connector with the VIDEO/S VIDEO selector at the S VIDEO position.
- 7 VIDEO/S VIDEO selector
When the connected monitor accepts S video signal, set the selector to S VIDEO. If not, set it to VIDEO.
- 8 CONTROL S input/output jacks (mini jack)
Connect to Sony video equipment having the CONTROL S input/output jacks. For connection, use an optionally available Sony connecting cord RK-G69.
- 9 AUX IN (auxiliary input) jacks (phono jack)

Function of the S VIDEO INPUT/OUTPUT jacks
A finer and clearer picture can be obtained in both recording and playback with the use of the S VIDEO jacks. The S VIDEO INPUT/OUTPUT jacks input and output separately the Y (luminance) and the C (color) signal of the video signal, which minimizes the loss of both signals when recording and playing back a picture.

This unit incorporates the circuit that separates the Y and the C signals. The signal input from the video equipment without S video jacks can be transformed into the S video signal and output to video equipment with the S video jacks. See page 48 for details.

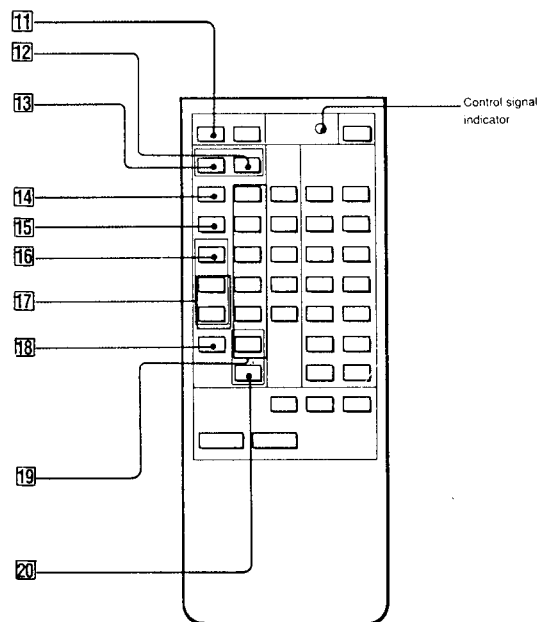
Use the remote commander within this range.



Remote Commander

Refer to pages 62 to 63 for operation using the remote commander.

- 1 CLEAR button
- 2 MEMORY buttons (M1/M2/M3/M4)/SET (memory set) button
- 3 AUDIO ATTENUATOR ▼▲ buttons
Press ▼ to increase the volume on the MONITOR [1] output, or press ▲ to decrease volume.
- 4 POWER switch
Press to turn the unit on or off when the POWER switch on the main unit is set to ON.
- 5 MONITOR [1] select buttons
- 6 MONITOR [2] select buttons
- 7 INPUT/OUTPUT [1] (monitor [1] in, output select) button
- 8 INPUT/OUTPUT [2] (monitor [2] input/output select) button
- 9 AUDIO MODE selector
- 10 MUTING buttons



Refer to pages 62 to 63 for operation using the remote commander.

11 MODE LOCK button (ON/OFF)

12 MATRIX button
Press this button first when selecting the equipment for input/output.

13 CANCEL button
Press to cancel an operation in which two or more buttons of the remote commander are pressed in sequence.

14 V → S (composite → S video transforming) switch

15 AUX AUDIO selector

16 PROCESSOR selector

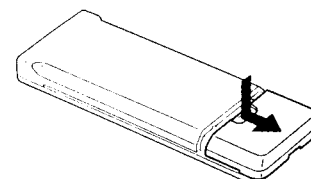
17 PROCESSOR PASS buttons (VIDEO/AUDIO)

18 MODE C V/A (mode C video/audio) selector
Press to input only the video or audio signals from the input equipment. This button functions only when the OUTPUT MODE switch on the main unit is set to C.

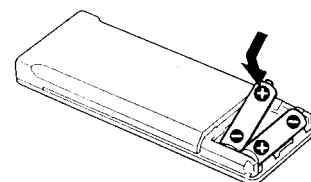
19 [1] - [8] (jack number) selectors
Press to select the jack for input/output. Use these selectors together with the MATRIX button, the V → S switch, the AUX AUDIO or the PROCESSOR selector on the remote commander. For details, see page 62.

20 FRONT/REAR (jack [8] front/rear select) button

1



2



Installing Batteries

1 Open the lid.

2 Install two R6 (size AA) batteries with the correct polarities, and close the lid.

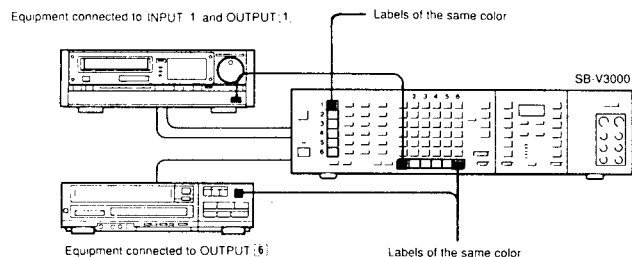
Battery life

About six months of normal operation can be expected when using the Sony SUM-3(NS) batteries. When the batteries are run down, the remote commander will not operate the unit. In this case, replace both batteries with new ones.

Notes on the remote commander and remote control operation

- Keep the commander away from extremely hot or humid places.
- Avoid dropping any foreign objects into the commander casing, particularly when replacing the batteries.
- To avoid a malfunction, do not simultaneously depress two or more buttons.
- Avoid exposure of the remote sensor to direct sunlight or lighting apparatus. Such exposure can cause a malfunction.

1-3. BEFORE CONNECTION



Precautions

- Plug in the AC power cord of each piece of equipment to the wall outlet after connecting all the equipment.
- Connect the connecting cord so that the color of each plug corresponds to that of the jacks on the SB-V3000 and on the other equipment.

Using the Labels Supplied

After connecting all the equipment, place the labels for input/output selection (supplied) on the front panel of the unit and the connected equipment, so that you can easily see which jack corresponds to what equipment.

Connecting Video Equipment According to the Selected Mode

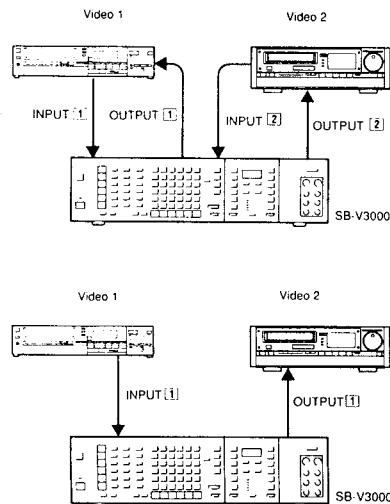
See pages 40 to 42 for details of mode A, B, and C.

Connection for mode A

In mode A, video equipment is connected to the input and the output jack of the same number. Editing operations will be easier, because one piece of equipment corresponds to one jack number: the video equipment can be identified with a number such as 1 or 2, in accordance with the connected jack number, for example.

Connections for mode B or C

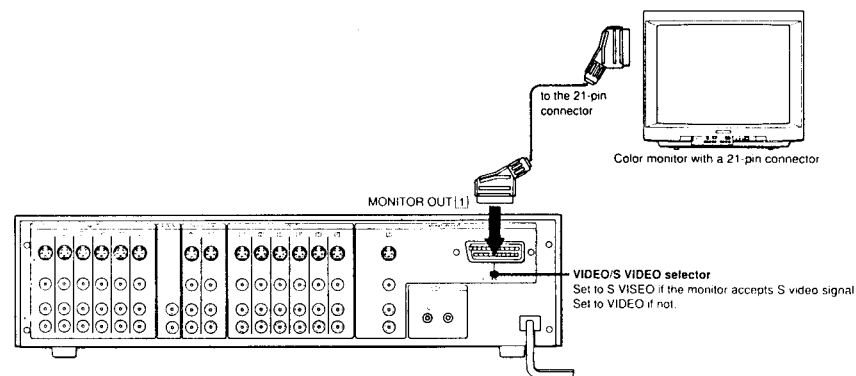
In mode B or C, two different kinds of equipment can be connected to the input and the output jacks of the same number. More versatile and flexible editing is possible with various choices of input/output equipment.



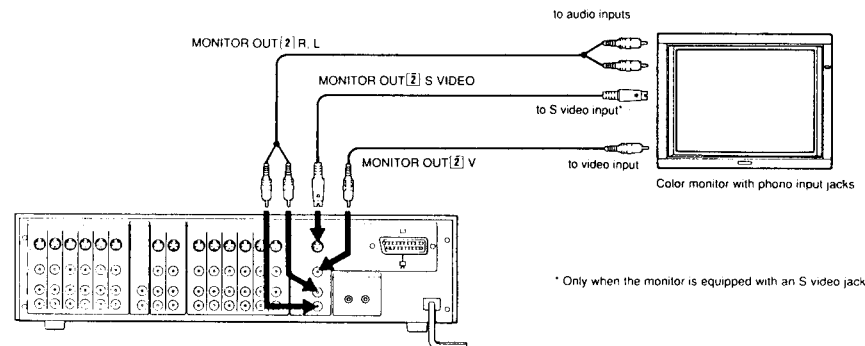
1-4. CONNECTING A COLOR MONITOR OR A TV

There are two monitor output jacks, MONITOR OUT [1] and [2]. Video and audio levels of only the MONITOR OUT [1] can be adjusted using the AUDIO MODE selectors, MUTING buttons, and AUDIO ATTENUATOR ▼▲ buttons. Video and audio levels of the MONITOR OUT [2] cannot be adjusted.

Connecting a Color Monitor with a 21-pin Connector



Connecting a Color Monitor with phono input jacks

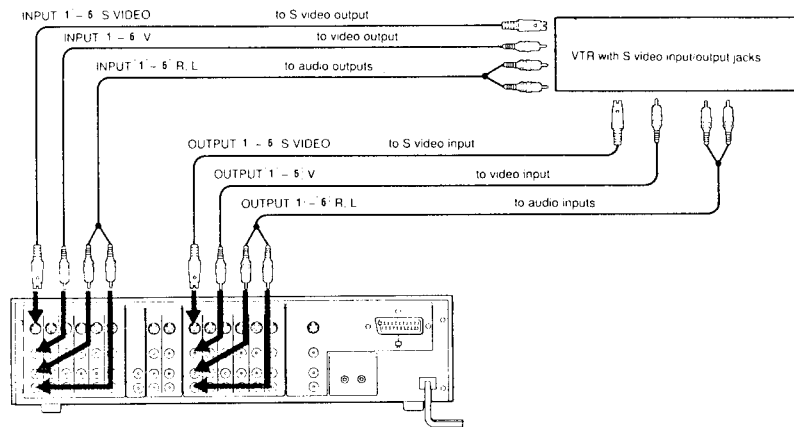


When the audio input of the color monitor is monaural
Use an RK-C71 (3m) or an RK-C72 (1m) connecting cord.

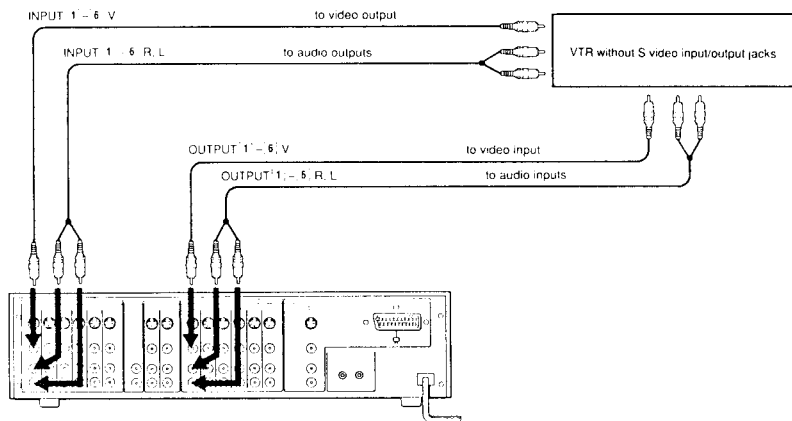
* Only when the monitor is equipped with an S video jack

1-5. CONNECTING VIDEO EQUIPMENT

Connecting a VTR with an S Video Jack



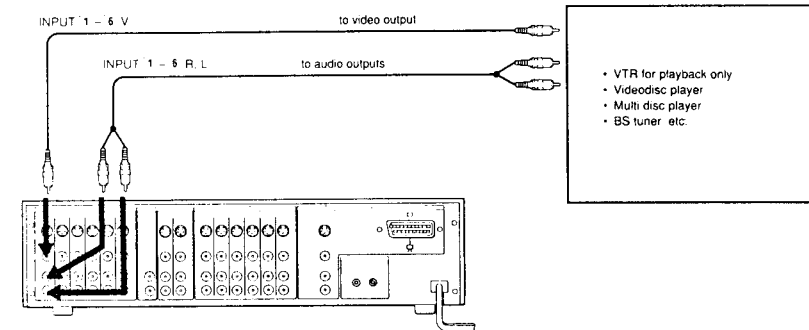
Connecting a VTR without an S Video Jack



When connecting a VTR with monaural audio jack
Use a VMC-910MS (1m) or a VMC-920MS (2m) connecting cord.

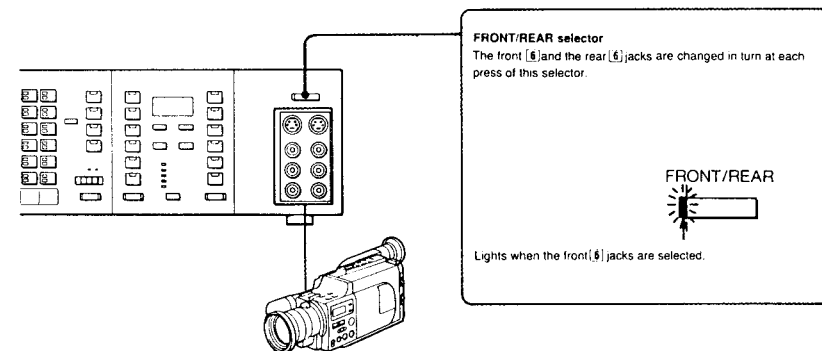
Connecting a Video Player

Video players do not have a picture recording function as other ordinary VTRs do, and among them are a VTR for playback only, a videodisc player, and a multi disc player. A BS tuner can also be connected to this unit in the same manner as the VTRs for playback only. Connect this equipment only to the input jacks of this unit.



Using the Input/Output Jacks on the Front Panel

You can use the input/output (6) jacks on the front or at the rear, whichever is convenient to connect the equipment. Select the jacks on the front or at the rear, using the FRONT/REAR selector above the IN/OUT (6) jacks on the front panel.



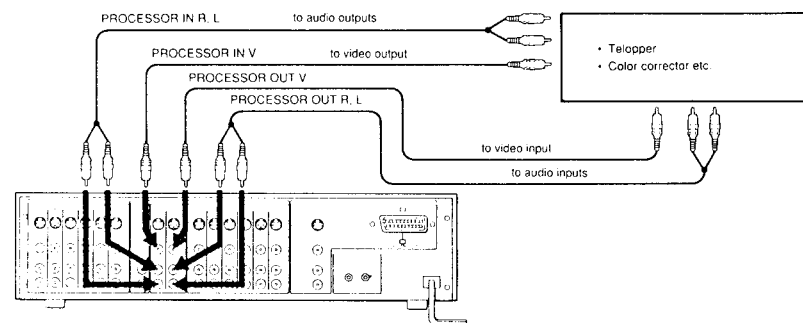
The input/output (6) jacks on the front panel can be used to connect a video camera recorder.

1-6. CONNECTING AV PROCESSOR

The equipment used to provide special effects to the video image and to sound are called AV processors.

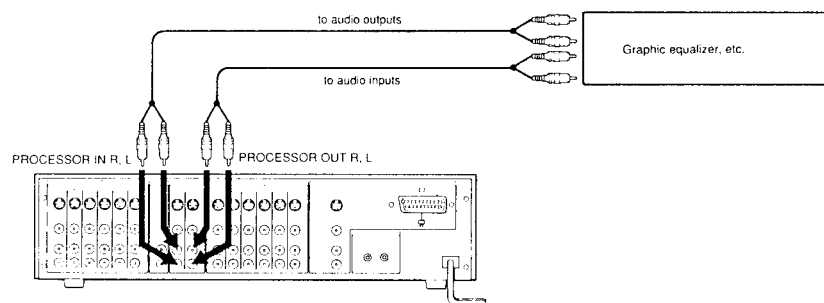
Connecting an AV Processor that Adds Special Effects for Picture

A telopier or a color corrector are used to provide visual effects, for example.



Connecting an AV Processor that Adds Special Effects for Sound

A graphic equalizer is used for auditory effects, for example.



Using an AV processor with the S video jacks

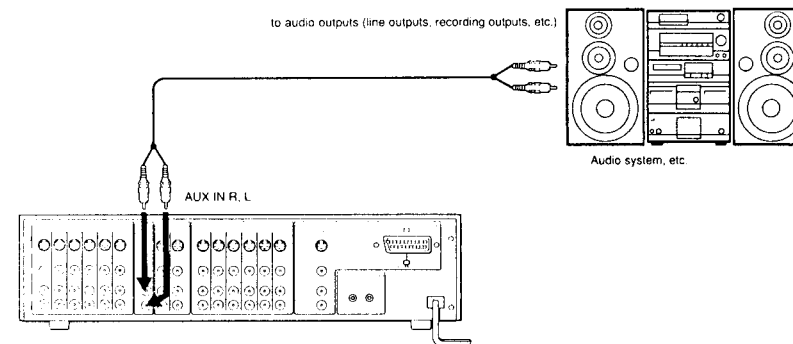
Connect the S video jacks of this unit and the AV processor, in addition to the connections shown in the above diagram.

Using an AV processor without video or audio input/output

When editing with the AV processor, press either button of the PROCESSOR PASS buttons, AUDIO or VIDEO, which are not provided in the processor. The corresponding indicator will light up. Press the VIDEO button when using a graphic equalizer that has no video jack, for example.

1-7. CONNECTING AUDIO SYSTEM

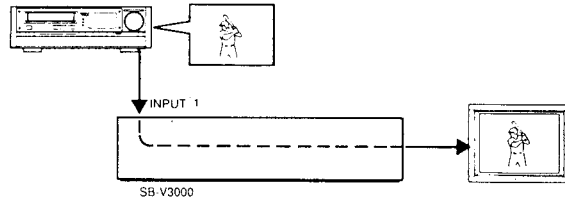
If an audio system is connected to the AUX IN jacks, you can record the sound from the audio system while editing the video image, which is called "after-recording."



Connecting an audio system to the INPUT jacks

The audio system also can be connected, as an audio source, to one of the INPUT 1 - 6 jacks of this unit. In this case, perform editing in mode C and select only the audio signal from the INPUT jacks where the audio system is connected. See page 48 for details.

1-8. MONITORING THE PICTURE FROM THE VIDEO EQUIPMENT

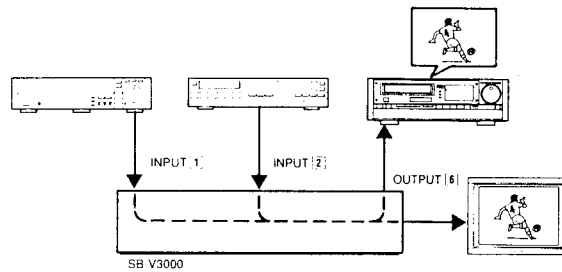


Pictures Which Can Be Watched on the Connected Monitor

You can monitor the following pictures on the monitor connected to the MONITOR OUT [1] or [2] jacks.

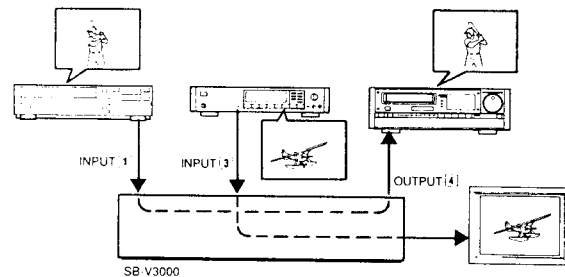
- The playback picture from the video equipment connected to one of the INPUT [1] - [6] jacks

Example: Monitoring the playback picture from the VTR connected to the INPUT [1].



- The picture being edited with this unit

Example: When recording in turn the picture from the videodisc player connected to INPUT [1] and that from the 8 mm VTR connected to INPUT [2] on the VTR connected to OUTPUT [6], the picture being recorded can be monitored.



- The picture from the video equipment which is not used for editing

Example: The picture from the BS tuner connected to INPUT [3] can be monitored while copying the picture from the VTR connected to INPUT [1] on the VTR connected to OUTPUT [4].

Two Sets of Monitor Output

This unit has two sets of monitor output which differ, as shown below.

Monitor out : [1] (21-pin)
Auto switch function to S video signal : Yes
Adjustable items : Audio output level
 Audio mode (stereo/monaural/left only/right only)
 Video/audio muting

Monitor out : [2] (phono/DIN)
Auto switch function to S video signal : No
Adjustable items : No adjustment is possible, since this jack passes the input signal to the monitor as it is.

Auto switch function to the S video signal

The MONITOR OUT [1] jack is equipped with the automatic Y/C separate circuit. The circuit automatically turns on or off, depending on whether or not the input signal includes the S video signal. The AUTO Y/C SEPARATE indicator lights up when the circuit turns on. (You can select manually with the V → S switches whether or not the composite video signal input from the INPUT jacks is transformed into the Y/C separated signal.) The relation between the input signal and the output signal from the MONITOR OUT [1] is shown below.

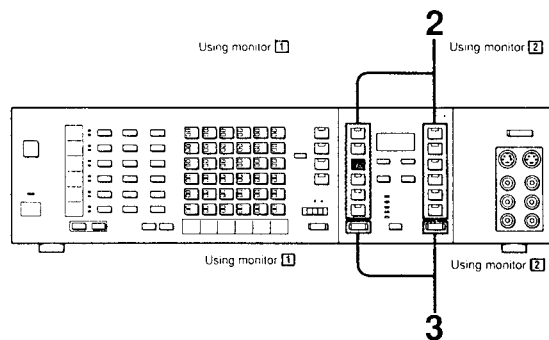
Input signal		Signal output from MONITOR OUT [1]	
S video signal	V → S switch	Signal output from S VIDEO	Automatic Y/C separate circuit
Yes*	OFF	S video signal	OFF
Yes*	ON	Y/C separated signal out of composite video signal	OFF
No	OFF	Y/C separated signal out of composite video signal	ON**
No	ON	Y/C separated signal out of composite video signal	ON**

* VIDEO indicator S will light up.

** AUTO Y/C SEPARATE indicator will light up.

If the monitor with S video input is connected to MONITOR OUT [1], any picture can be viewed in S video signal. As for MONITOR OUT [2], the video image input to or output from this unit goes out of these jacks as it is. The signal of the image to be viewed, therefore, must match the type of the input jacks on the connected monitor.

This illustration shows how the picture output from the OUTPUT [3] jack is viewed on monitor [1].



Note on adjusting the volume of monitor [1]
Noise may be heard while the volume of monitor [1] is being adjusted with the **▼▲** buttons. Do not adjust the volume while recording the picture and sound recorded on monitor [1] or the noise also will be recorded. Noise is not heard when monitor [2] is selected.

Operation

First decide which picture is to be watched on which monitor.

- 1 Turn on the power to the monitor, the video/audio selector, and the desired video equipment.**
- 2 MONITOR selectors**
Press the number [1]–[4] assigned for the jack where the desired video equipment is connected. The pressed button lights up.
- 3 INPUT/OUTPUT selector**
Select the picture to be monitored: the picture input to the INPUT jacks chosen in step 2, or that output from the OUTPUT jacks. The button corresponding to the selected picture lights up.
- 4 Start playback or recording on the video equipment.**

When using an AV processor
To monitor the picture being edited with an AV processor, select the output jacks where the recording VTR is connected with the choice of OUTPUT for the INPUT/OUTPUT selector, or select the input jacks with the choice of INPUT for the INPUT/OUTPUT selector. To monitor the picture to which special effects are not provided by the AV processor, press VIDEO of the PROCESSOR PASS buttons. Do not press the PROCESSOR PASS button during editing, or the picture without the special effects will be recorded.

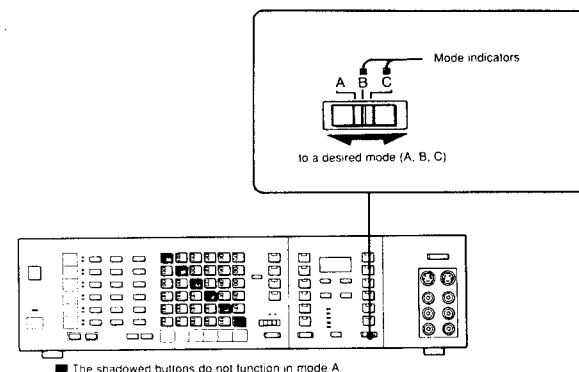
Note on the audio level
This video/audio selector does not include an amplifier. If the monitor [1] volume does not increase to the desired level with the **▼▲** buttons, adjust the volume on the connected amplifier or monitor.

Buttons and selectors effective during monitoring the picture
When using the monitor connected to the MONITOR [1] jacks, the following buttons and selectors of this unit function during monitoring the picture.

MUTING buttons (VIDEO, AUDIO): Mutes picture and sound respectively.
AUDIO MODE selectors: Switches the sound to stereo, monaural, left channel only, or right channel only. If the left only or the right only is selected with a stereo monitor, the left or right sound will be heard from both speakers.
▼▲ buttons: Adjusts the volume.

The above buttons and selectors adjust only the picture displayed on the monitor and the sound heard from the speakers; thus the recorded signals are not affected even if they are operated during editing.

1-9. EDITING



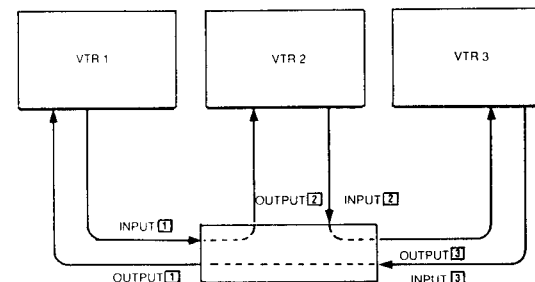
■ The shadowed buttons do not function in mode A

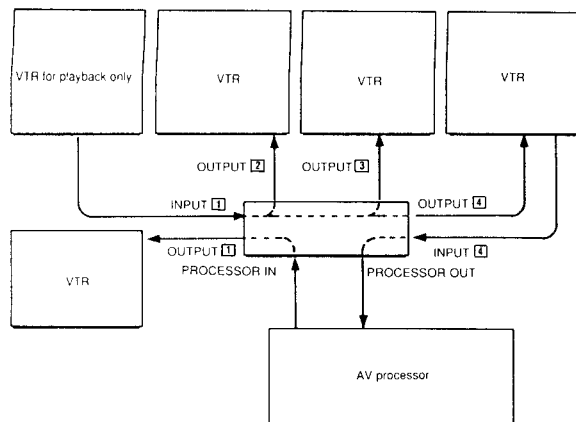
Three Output Modes for Editing

You can select one of the three output modes: A, B, and C—whichever one is most appropriate for the use of this unit. Select the desired mode with the OUTPUT MODE switch on the front panel.

For simple and secure editing –Mode A

Select mode A for simple and secure editing, such as recording the playback picture from a single VTR on another VTR. Video equipment is connected to the input and output jacks of the same number, and the video equipment can easily be identified with the jack number during editing. This video/audio selector has 6 sets of input/output jacks, and 3 different kind of editing can be performed at the same time. Recording and playback cannot be made simultaneously on the equipment connected to the input and output jacks of the same number. In this mode, the input/output system where video and audio signals go out and come in in cycle, as shown in the diagram to the left, is not possible.





For diverse and flexible editing —Mode B

Select mode B for more flexible and diversified editing. This could be recording the playback picture and sound of a single VTR on a few other VTRs, while adding special effects to the picture and sound being recorded on one of the VTRs, and then recording it again on another VTR. In this mode, different kind of equipment can be connected to the input and output jacks of the same number. And then you can set up the input/output system where video and audio signals go out and come in in cycles, which is not possible in mode A.

Example

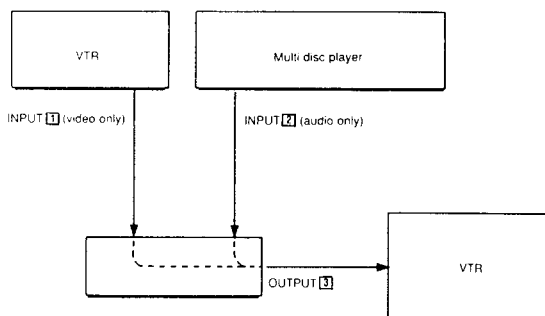
As shown in the diagram to the left, you can copy the playback picture and sound of the VTR connected to INPUT [1] on the VTRs connected to OUTPUT [2], [3], and [4]. At the same time, you can record on the VTR connected to OUTPUT [1] the picture and sound being recorded on the VTR connected to OUTPUT [4] while adding special effects to them using the AV processor.

For editing picture and sound separately—Mode C

In addition to the functions available in mode B, video and audio signals can be edited separately in mode C. **Select mode C when editing the picture and sound separately.**

Example

As shown in the diagram to the left, you can record on the VTR connected to OUTPUT [3] the video signal of the VTR connected to INPUT [1] as well as the audio signal of the compact disc played back on the multi disc player connected to INPUT [2].



When the mode indicator lights up ?

The OUTPUT MODE indicator does not light up just by setting the OUTPUT MODE switch. The mode B indicator lights up when you have made the input/output designation for editing that is allowed only in mode B, with the OUTPUT MODE switch set to B. The mode C indicator lights up when you press one of the MATRIX SELECT buttons with the OUTPUT MODE switch set to C.

When the mode indicator blinks ?

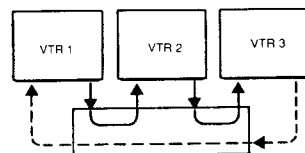
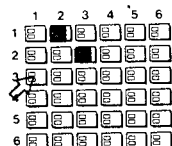
The mode B indicator blinks when you set the OUTPUT MODE switch to A and start operation with the input/output setting allowed only for mode B. The mode C indicator blinks when you set the OUTPUT MODE switch to A or B with the input/output setting allowed only for mode C. Reset the switch to the correct position in both cases.

If the MATRIX SELECT Button Blinks in Mode A

One of the MATRIX SELECT buttons blinks if you make the input/output designation where video and audio signals go out and come in in cycle, which is not possible in mode A. The MATRIX SELECT button last pressed will not light up, but one of the buttons already lit will blink for about 5 seconds. To cancel the button last pressed, press the blinking button until it stops blinking and lights up again. If the blinking button is not pressed within 5 seconds, the input/output designation with the blinking button will be canceled, and the button last pressed will become valid instead. (The button last pressed will light up.)

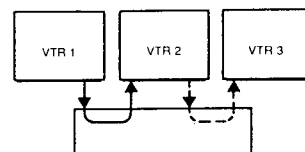
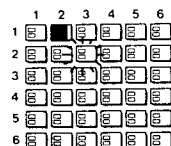
Example of wrong input/output designation in mode A

You have designated the signals to flow from VTR 1 to 2, and 2 to 3 by pressing the shadowed buttons; and now you press the button indicated by the arrow to make the signals return from 3 to 1. The designation from 3 to 1 is temporarily suspended.



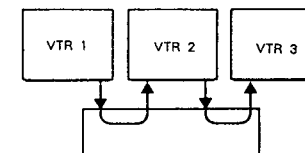
--- is the wrong designation.

button blinks warning that the designation from 2 to 3 is going to be canceled.



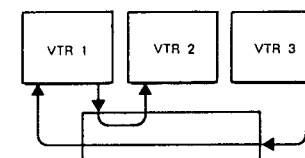
The --- designation is given the warning.

If the blinking button is pressed.



The designation made last will be canceled.

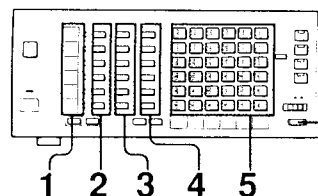
If the button is left blinking for 5 seconds.



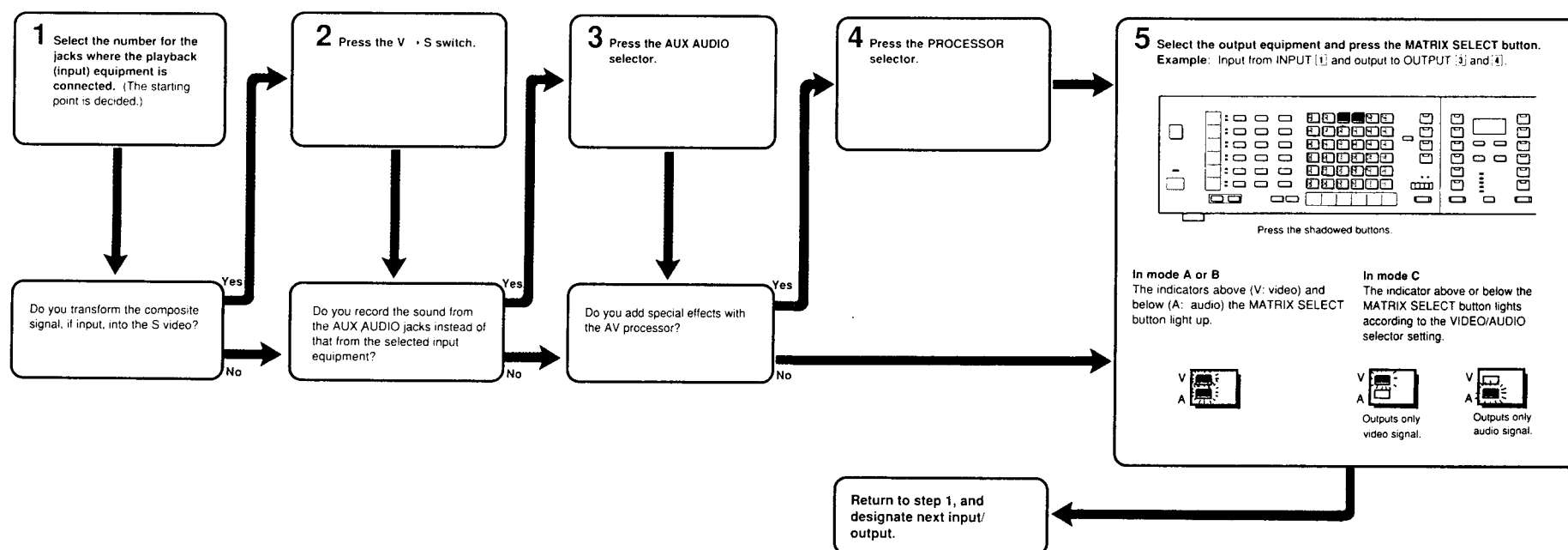
The designation from 2 to 3 will be canceled and the last designation will become valid

Editing operation flow chart

First select the equipment for playback by specifying the jack where the equipment is connected. The jack can be specified with the jack number buttons on the left side of the front panel, which will be the starting point for the editing operation.



VIDEO/AUDIO selector
When the OUTPUT MODE switch is set to mode C, designate in advance the output signal: the video signal (VIDEO) or the audio signal (AUDIO) of the input equipment. Each press on the VIDEO/AUDIO selector switches VIDEO and AUDIO in turn.

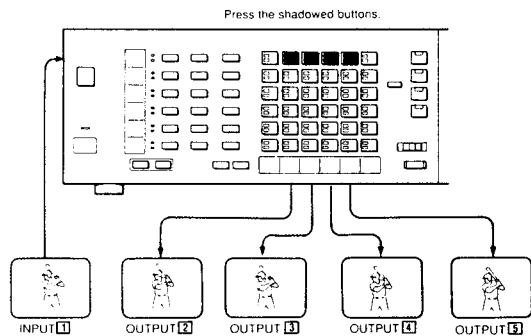


Use of V → S switch

Press the V → S switch to transform the input composite video signal into the S video signal when output. (The V indicator lights up when the composite video signal is input.) Note that this unit has three separate Y-C circuits for S video transformation. Each circuit is shared by a pair of inputs, INPUT 1 and 2, INPUT 3 and 4, INPUT 5 and 6, so both inputs of a pair cannot be transformed at the same time.

To input both video and audio signals from video equipment in mode C

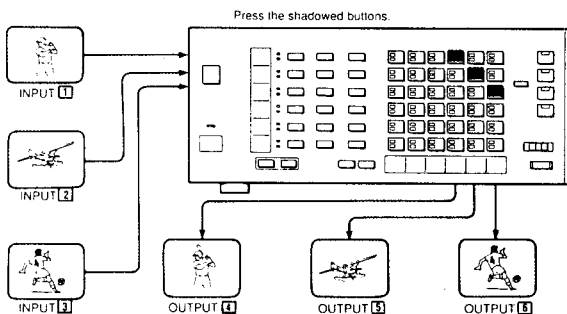
First select either the video or audio signal with the VIDEO/AUDIO selector and press the MATRIX SELECT button for designating input/output equipment. Then press the VIDEO/AUDIO selector again to select the other signal and press the same MATRIX SELECT button.



Example 1

Recording the playback picture from a VTR on other VTRs

The playback picture from the VTR connected to INPUT [1] is recorded on the VTRs connected to OUTPUT [2], OUTPUT [3], OUTPUT [4], and OUTPUT [5].



Example 2

Recording the playback pictures from three VTRs on three other VTRs at the same time.

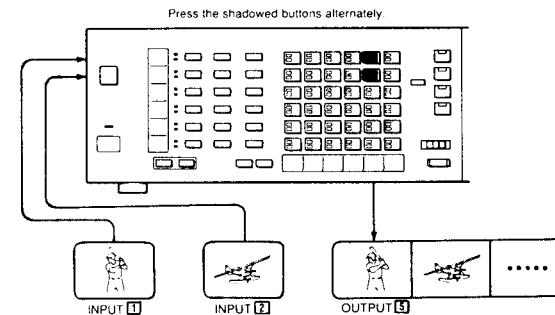
The playback pictures from the VTRs connected to INPUT [1], INPUT [2], and INPUT [3], are recorded on the VCRs connected to OUTPUT [4], OUTPUT [5], and OUTPUT [6] respectively at the same time.

To watch the picture being edited on the monitor

Select the monitor to be used and the picture to be monitored using the MONITOR selector and the INPUT/OUTPUT selector. See "Monitoring the Picture from the Video Equipment" on page 34.

To prevent accidental operation during editing or dubbing

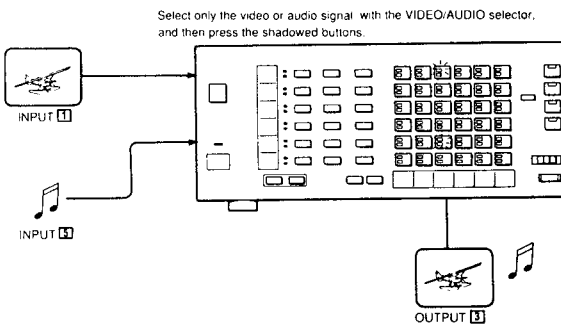
After inputs and outputs are designated for all the equipment, press the MODE LOCK button on the front panel to ON before starting editing or dubbing. When the MODE LOCK button is set to ON, the MATRIX SELECT buttons, V → S switches, AUX AUDIO selectors and PROCESSOR selectors and MEMORY buttons (page 60) do not function even if they are accidentally pressed.



Example 3

Editing and recording the playback pictures from some VTRs on another VTR

The playback pictures from the equipment connected to INPUT [1] and the equipment connected to INPUT [2] are recorded on the VTR connected to OUTPUT [3] while the pictures are switched.



Example 4

Recording on a VTR only the video or the audio signal from connected equipment (possible only in mode C)

Only the video signal from the equipment connected to INPUT [1] and only the audio signal from the equipment connected to INPUT [2] are recorded on the VTR connected to OUTPUT [3].

To designate inputs/outputs again from the beginning

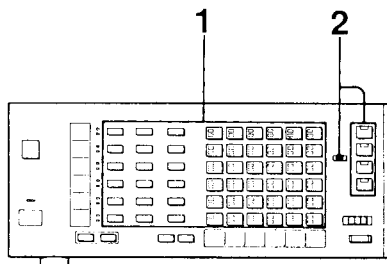
Press the CLEAR button on the front panel. All the settings of the MATRIX SELECT buttons, V → S switches, AUX AUDIO selectors and PROCESSOR selectors will be canceled—and you can do the input/output designation all over again.

To record the signals input from two different sources alternately

When the input signal is switched to the other one, set the recording VTR in the pause mode. Otherwise, the picture may be distorted at the point where the inputs were switched.

1-10. MEMORIZING INPUT/OUTPUT SETTING

The designated sets of input/output can be memorized with the use of the MEMORY buttons. Each MEMORY button (M1 - M4) can memorize one input/output set. So 4 input/output sets can be put into memory.

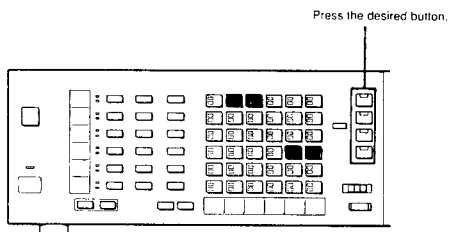


Memorizing

- 1 Press or set the buttons, switches, and selectors as desired to complete the input/output designation.
- 2 While pressing the SET button, press one of the buttons M1 - M4, where the designation is to be memorized.

Calling the Memorized Input/Output Designation

Press one of the buttons M1 - M4, where the desired input/output designation is memorized. Just one press on the button will place the unit in the desired preset condition.



To change the input/output designation in memory
After designating a new input/output set, press one of the M1 - M4 buttons with the SET button depressed, and the new designation will replace the former one memorized in the pressed MEMORY button. The present memory cannot be erased without memorizing a new input/output set designation.

1-11. USING THE REMOTE COMMANDER

The unit can be remotely controlled using the remote commander supplied. In the operation with the remote commander, buttons and indicators on the main unit light up just as they do in the operation with the main unit. The operating procedure using the remote commander, however, may be slightly different from that followed on the main unit.

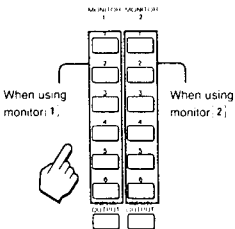
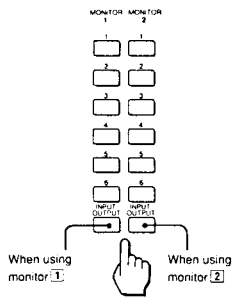
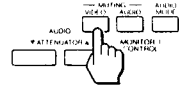
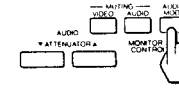
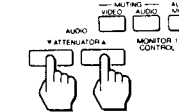
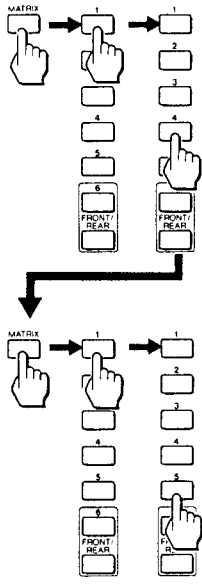
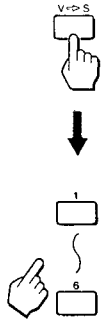
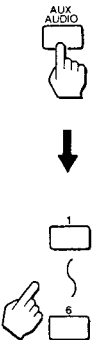
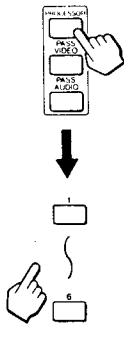
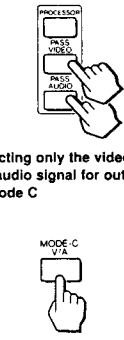
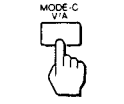
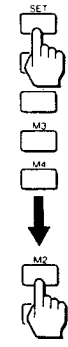
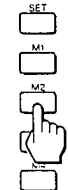
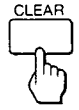
Note

The output modes A, B, and C cannot be exchanged on the remote commander.

How to use the CANCEL button

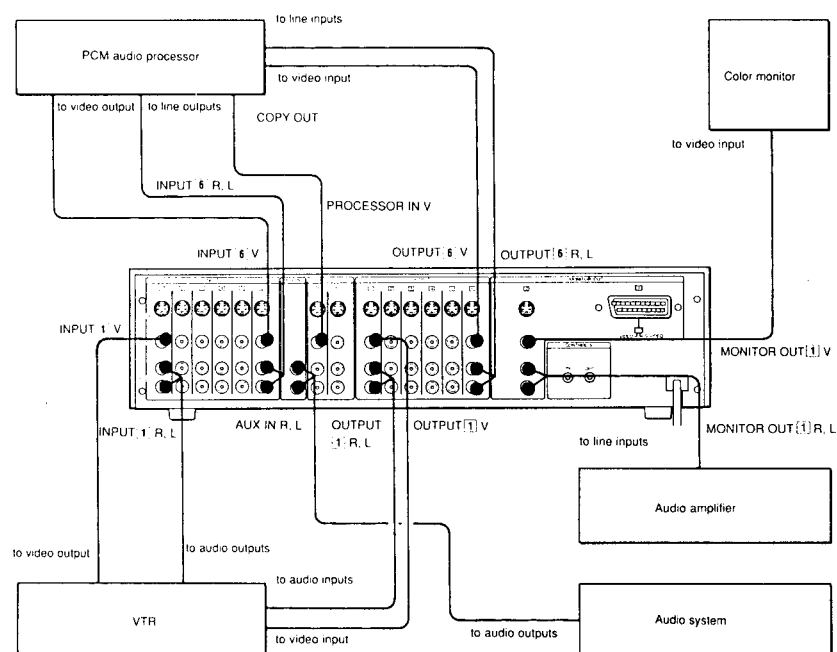
Press the CANCEL button when the OUTPUT MODE indicator blinks with the input/output designation invalid in the selected mode, or when you discontinue the designation that can be completed by pressing two or more buttons in sequence.

Note that the designation cannot be canceled with the CANCEL button if the button is pressed after completing the designation. To cancel the completed designation, press the CLEAR button, and all of the designation will be canceled.

Turning Power On/Off	Monitoring the Picture from the Video Equipment	Adjusting the Monitor	Designating Input/Output Equipment	Giving a Special Setting to the Input Equipment	Memorizing the Input/Output Setting	Others	
	1 Select the monitor to be used (1 or 2) and press one of the 1 - 6 buttons to designate the jack to be monitored.  When using monitor 1: [1] → [1] → [1] When using monitor 2: [2] → [2] → [2] 2 Press the INPUT/OUTPUT selector to select the picture to be monitored: the picture input from the INPUT jacks or that output to the OUTPUT jacks.  When using monitor 1: [1] → [1] → [1] When using monitor 2: [2] → [2] → [2]	Muting the picture or sound To mute the picture  To mute the sound  Switching the sound to stereo, monaural, left only, or right only  Adjusting the volume 	Operating procedure 1 Press the MATRIX button. 2 Press one of the 1 - 6 buttons below the MATRIX button to designate the number for the input jack where the input equipment (the equipment for playback) is connected. 3 Press one of the 1 - 6 buttons to designate the output equipment. Example Input from INPUT [1] and output to OUTPUT [1] and [5]. 	Transforming the composite video signal into the S video signal  Recording sound from the equipment connected to the AUX AUDIO jacks 	Adding special effects with the AV processor  Designating the input jack that does not exist on the AV processor, or monitoring the picture or sound without the special effects added  Selecting only the video or the audio signal for output in mode C 	Memorizing Operation procedure 1 Press the SET button. 2 Press one of the MEMORY buttons M1 - M4 that memorizes the setting. Example To memorize on the M2 button  Calling the memorized setting Example To call the input/output setting memorized on M2 	Locking the buttons, selectors, and switches to prevent accidental operation  C canceling all input and output designations  Selecting for use the input/output [1] jacks on the front or at the rear  C canceling the last pressed button on the remote commander 

1-12. CONNECTING THE PCM AUDIO PROCESSOR

Connection



When two or more VTRs are used in the system, connect them to the INPUT [2] - [5] and OUTPUT [2] - [5] jacks.

Recording Sound

OUTPUT MODE switch
to mode B

Signal flow setting

- Press the AUX AUDIO button of the number corresponding to the INPUT jack connected to the PCM audio processor.
- PCM audio processor to VTR
- PCM audio processor to PCM audio processor

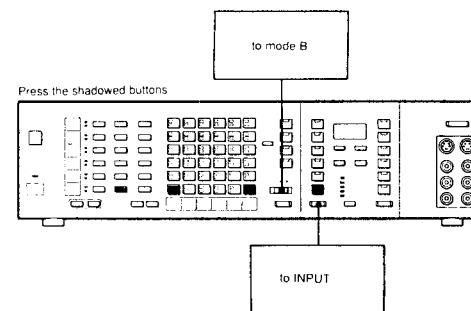
Monitor setting

- Select the input signal from PCM audio processor.

Example

The PCM audio processor is connected to INPUT [6] and OUTPUT [6], and the VTR for recording to INPUT [1] and OUTPUT [1].

When recording on two or more VTRs, press the MATRIX SELECT buttons so that the signal will flow from INPUT [6] to OUTPUT [2], OUTPUT [3], and so forth.



Playback

OUTPUT MODE switch
to mode C

Signal flow setting

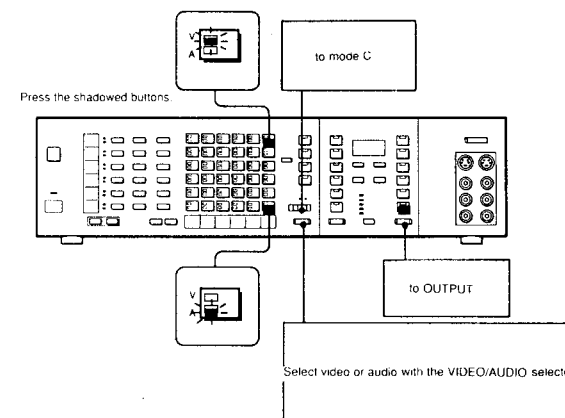
- Video signal from VTR for playback to PCM audio processor
- Audio signal from PCM audio processor to PCM audio processor

Monitor setting

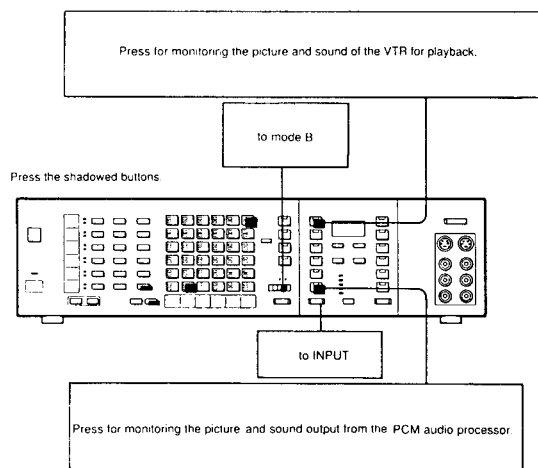
- Select the output signal to PCM audio processor.

Example

The PCM audio processor is connected to INPUT [6] and OUTPUT [6], and the VTR for playback to INPUT [1] and OUTPUT [1].



Select video or audio with the VIDEO/AUDIO selector.



Digital Copying

OUTPUT MODE switch
to mode B

Signal flow setting

- VTR for playback to PCM audio processor
- PCM audio processor to VTR for recording
- Press the PROCESSOR selector of the number corresponding to the INPUT jack where PCM audio processor is connected, and press AUDIO of the PROCESSOR PASS buttons.

Monitor setting

- Select the input signal from the VTR for playback or the output signal to PCM audio processor.

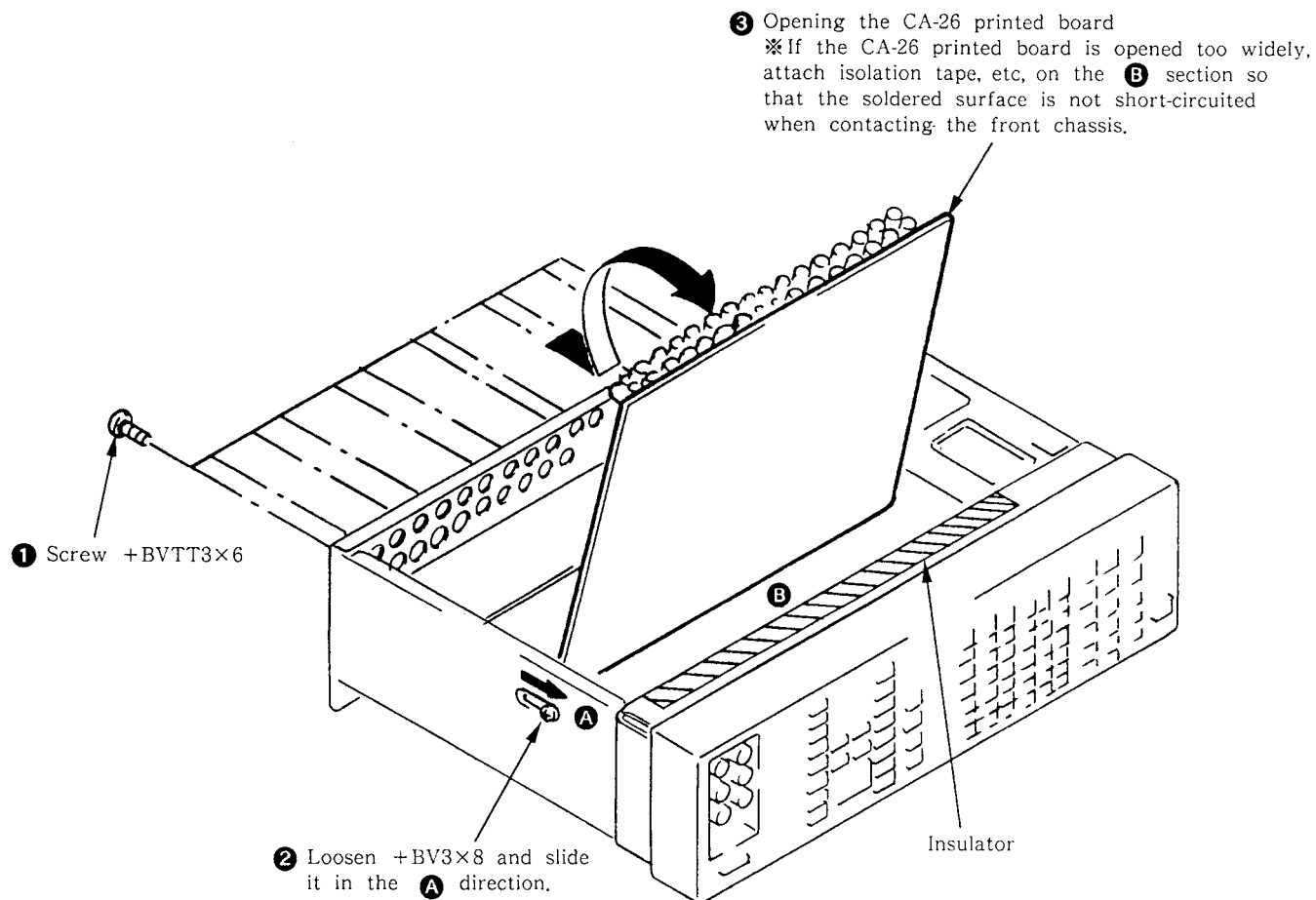
Example

The PCM audio processor is connected to INPUT [5] and OUTPUT [5], the VTR for playback to INPUT [1] and OUTPUT [1], the VTR for recording to INPUT [2] and OUTPUT [2].

When recording on two or more VTRs, press the MATRIX SELECT buttons so that the signal will flow from INPUT [5] to OUTPUT [2], OUTPUT [3], and so forth.

SECTION 2 DISASSEMBLY

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

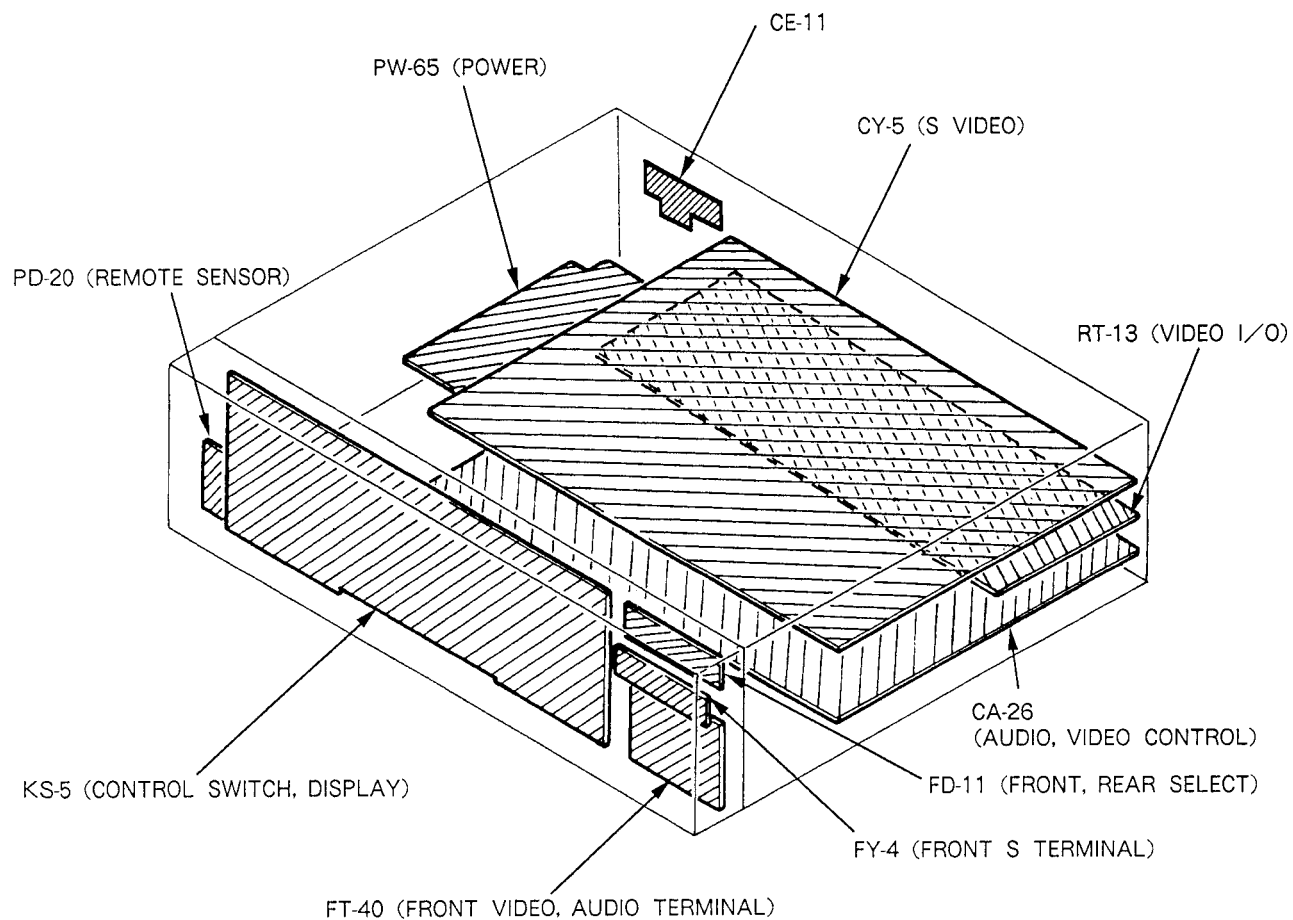


※ Note

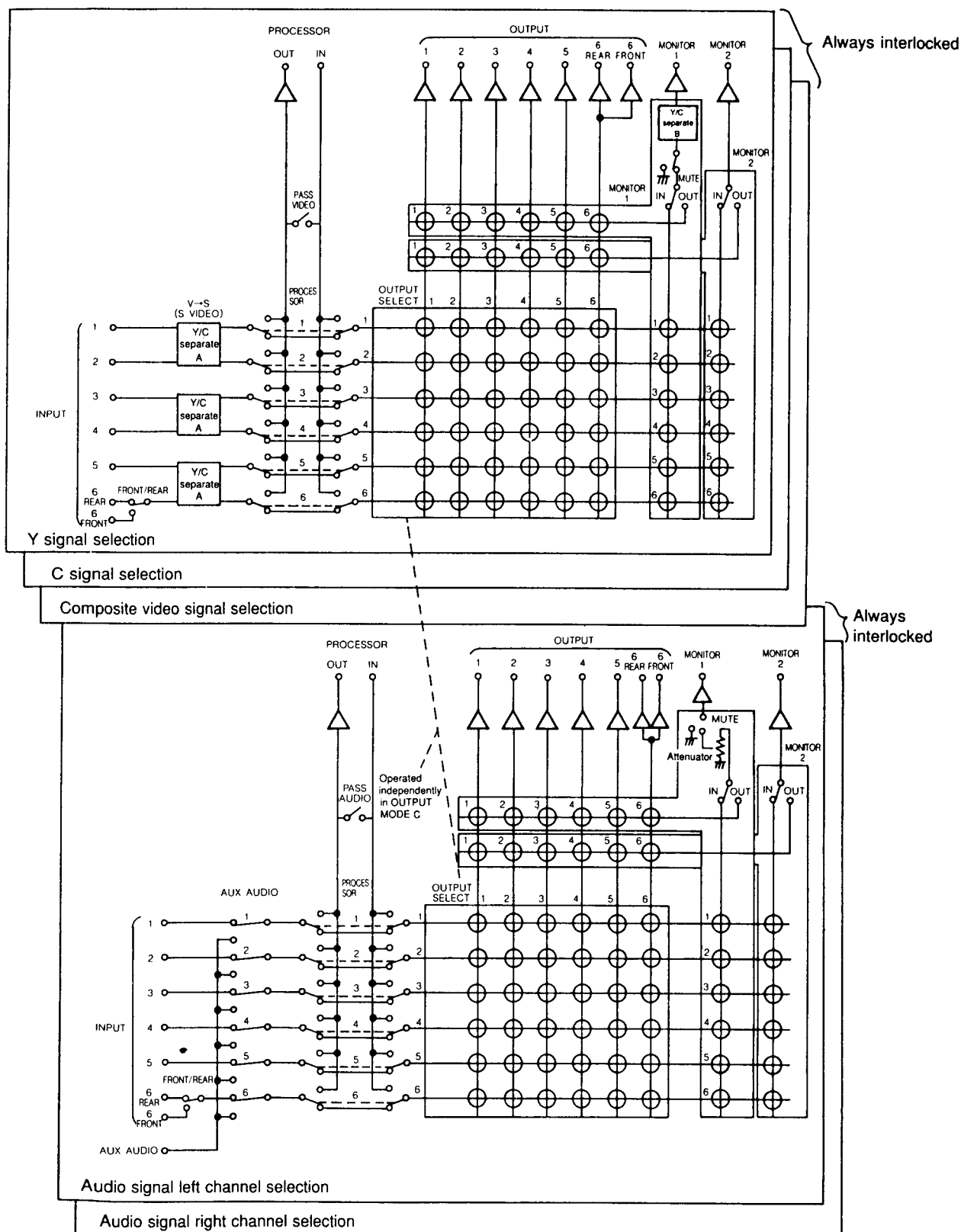
Take care so that the soldered surface of CA-26 does not contact the front chassis.

SECTION 3 DIAGRAMS

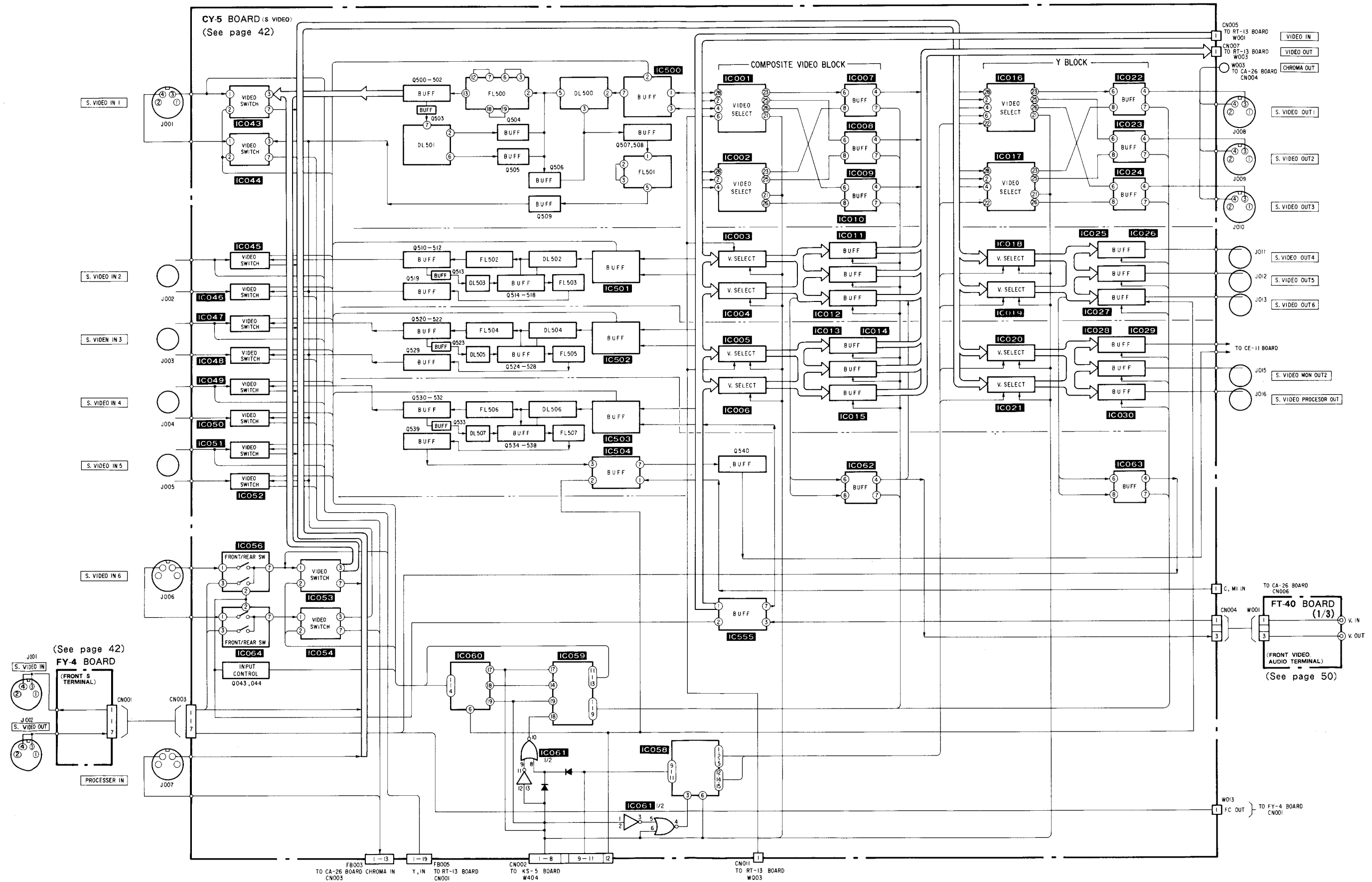
3-1. CIRCUIT BOARD LOCATION



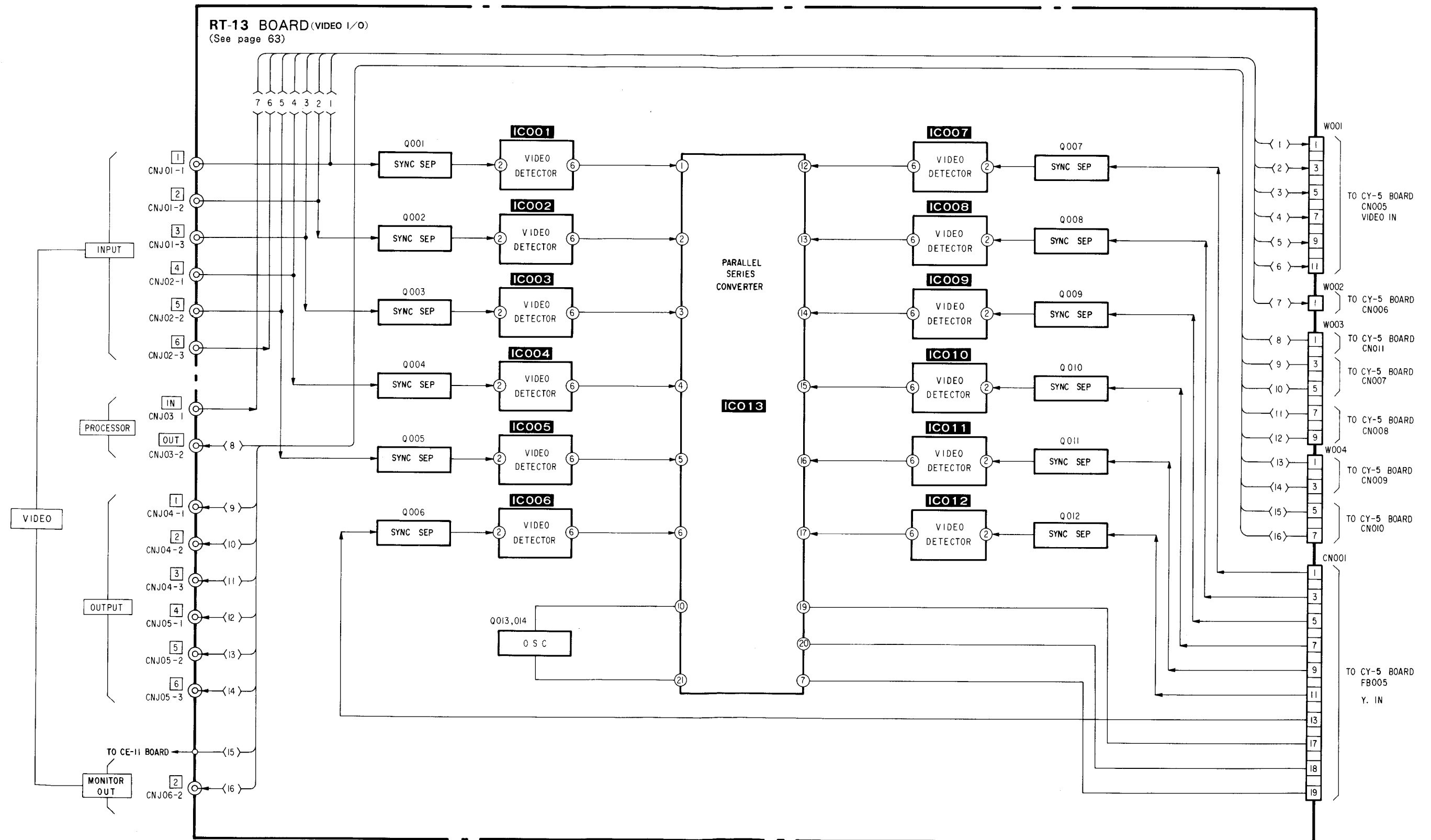
3-2. OVERALL BLOCK DIAGRAM



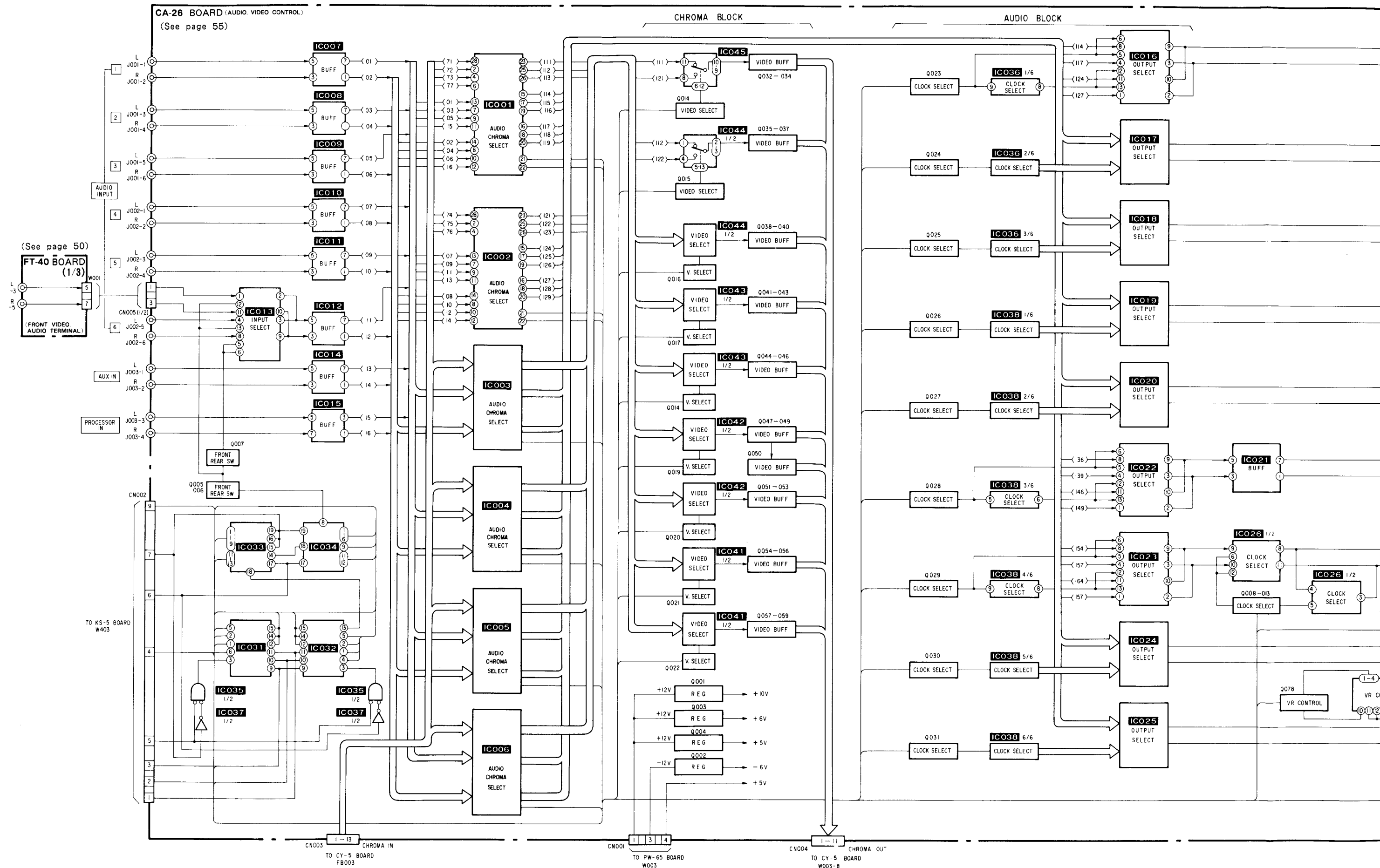
3-3. VIDEO I/O, COMPOSITE, Y BLOCK DIAGRAM



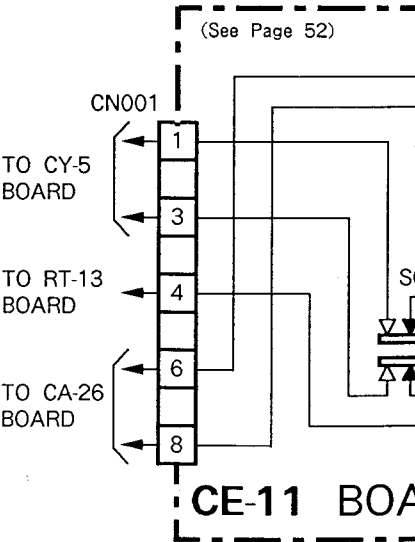
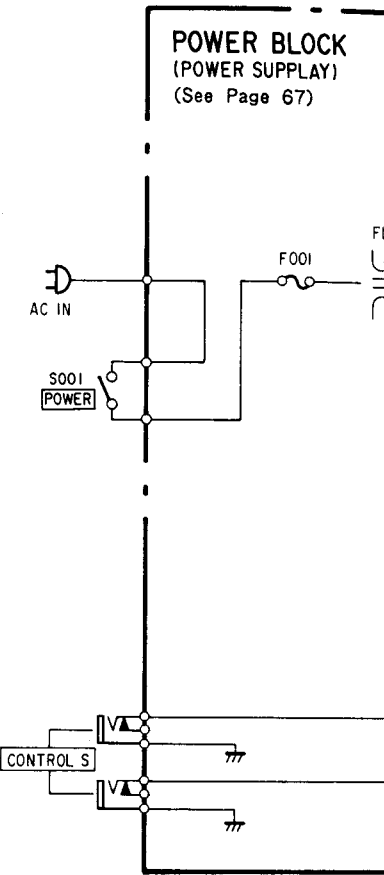
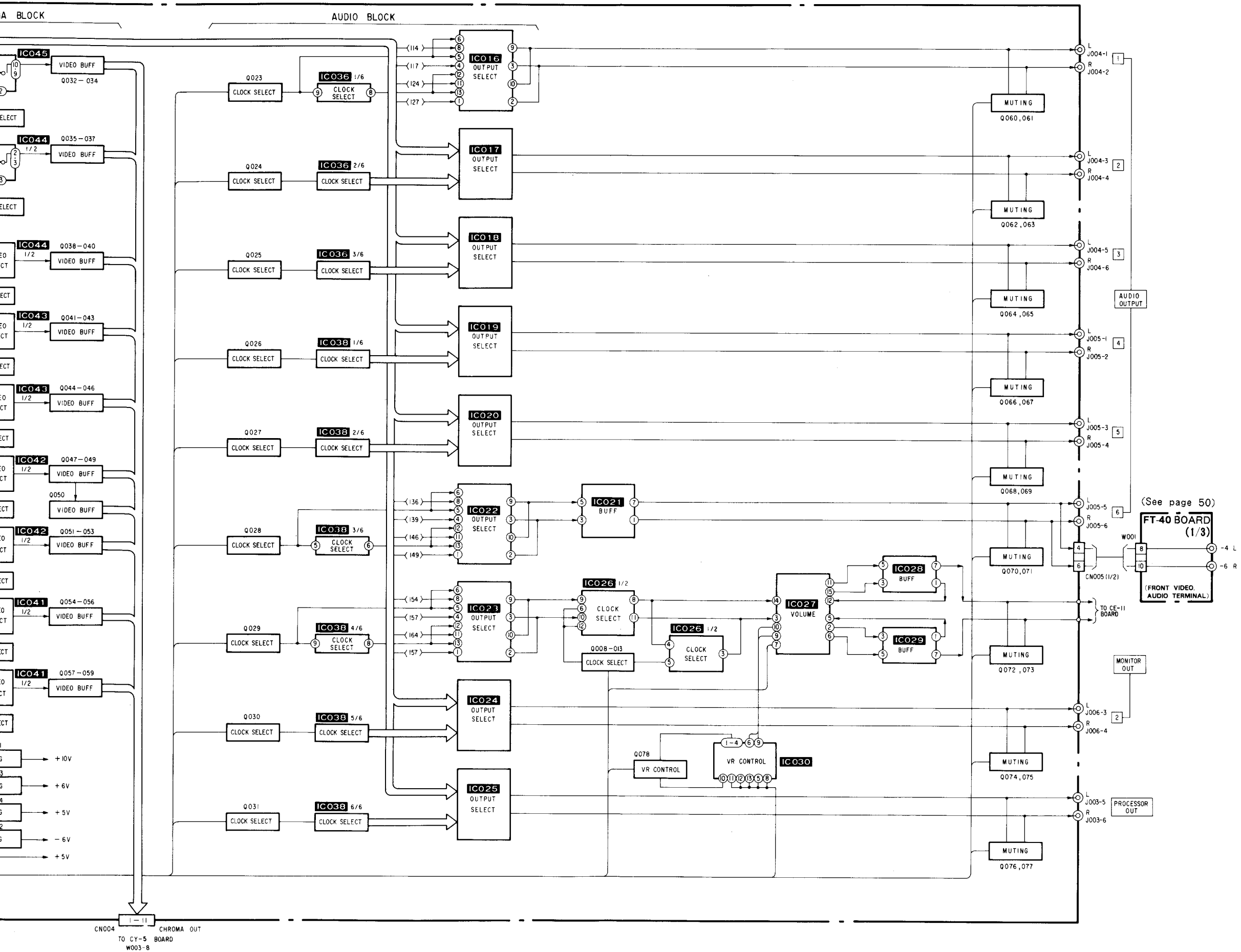
3-4. VIDEO I/O, PARALLEL SERIES CONVERTER DIAGRAM



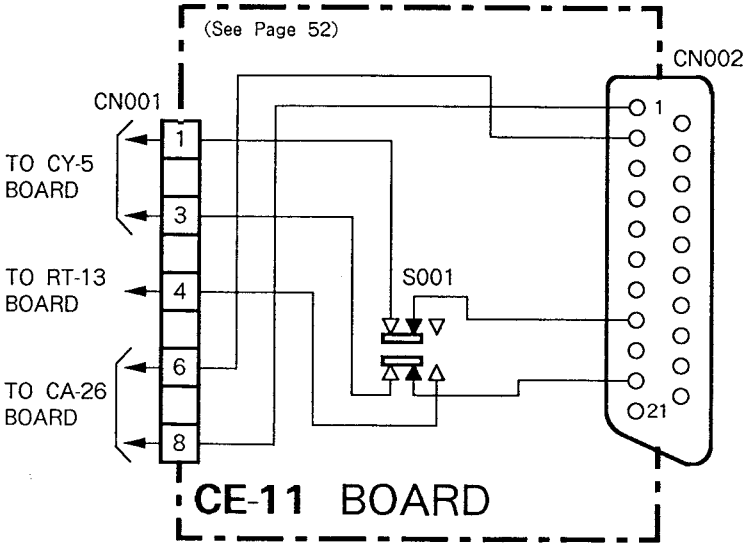
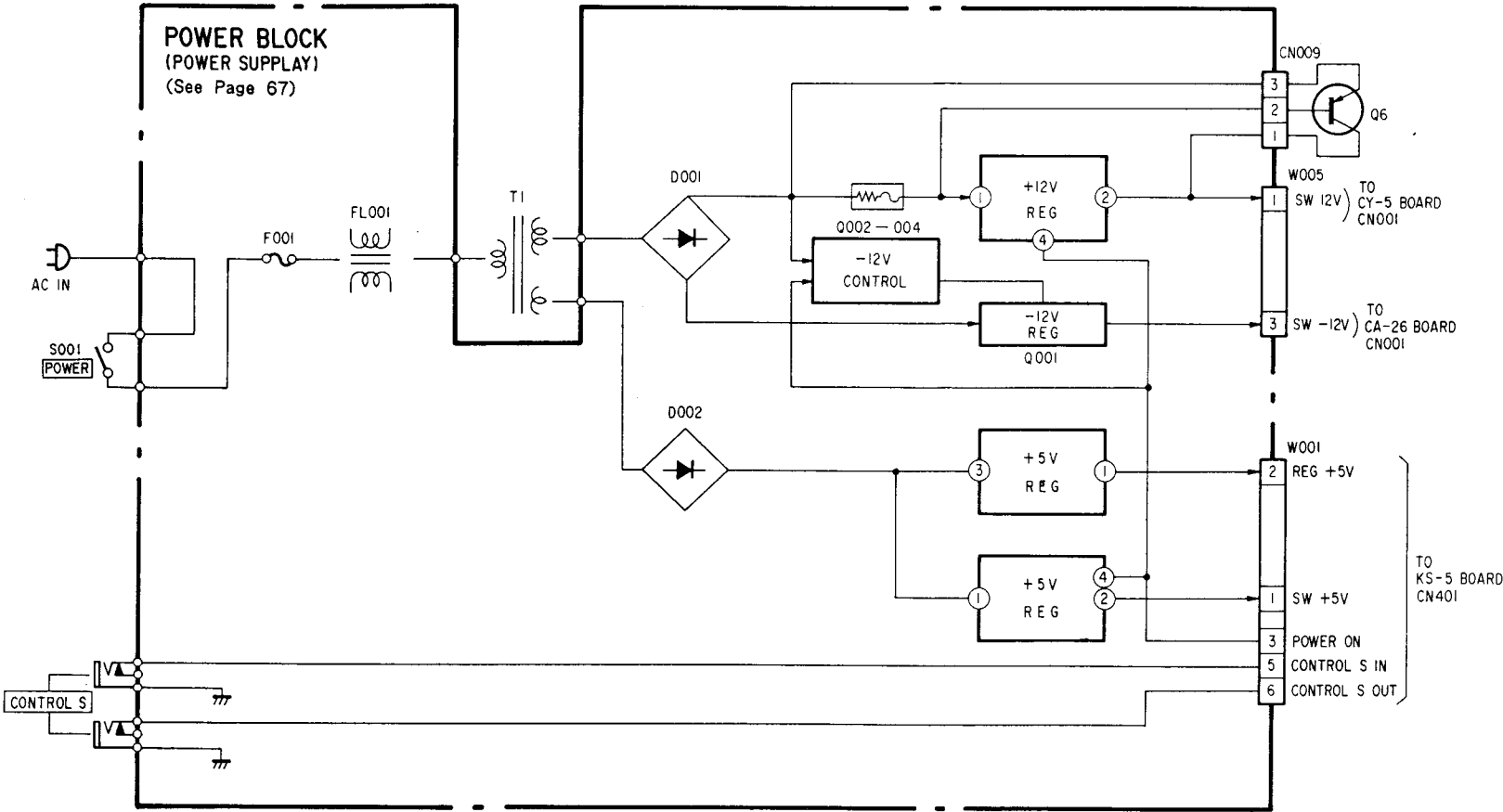
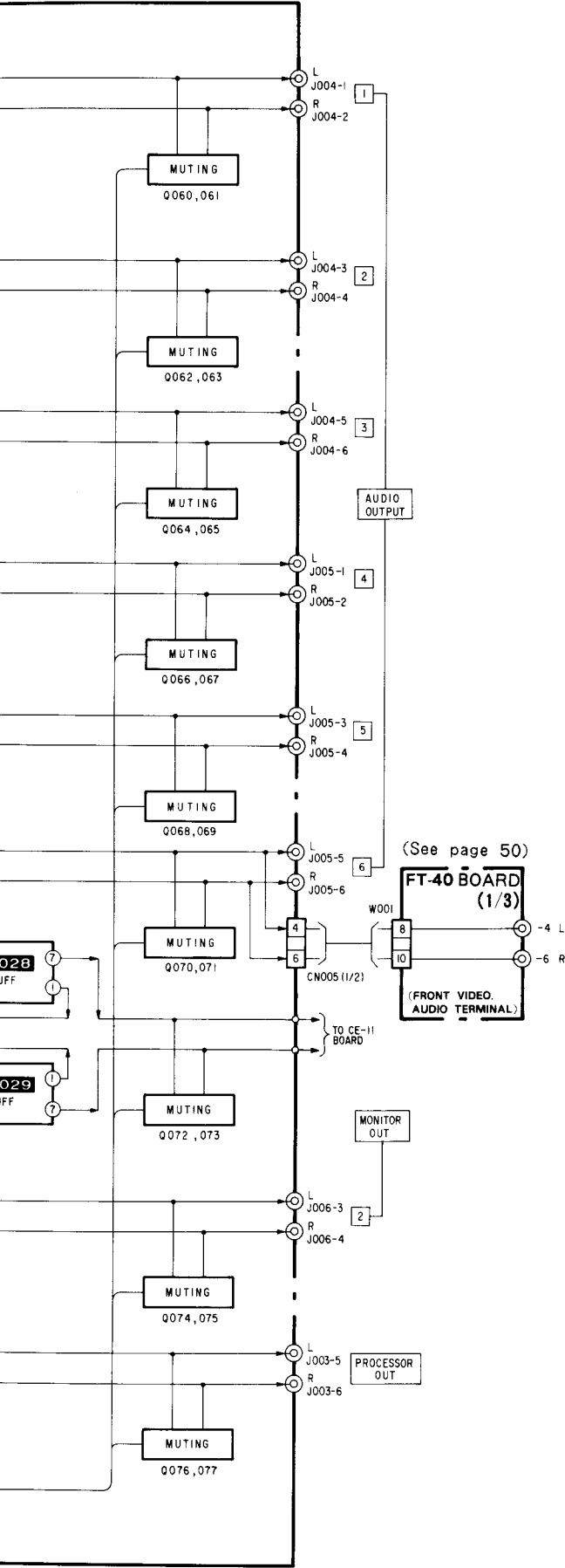
3-5. AUDIO, VIDEO CONTROL, CHROMA BLOCK DIAGRAM



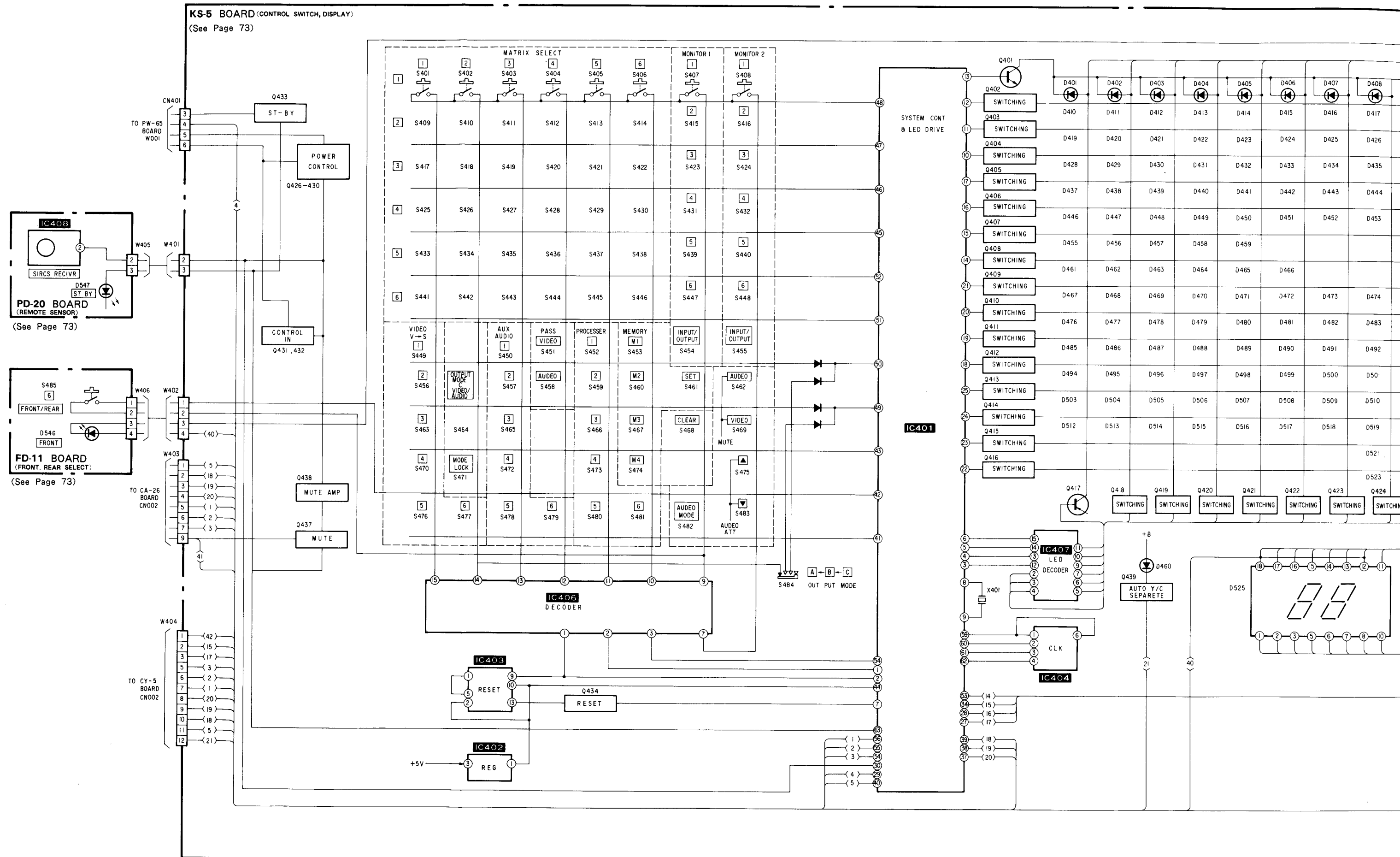
3-6. POWER BLOCK DIAGRAM

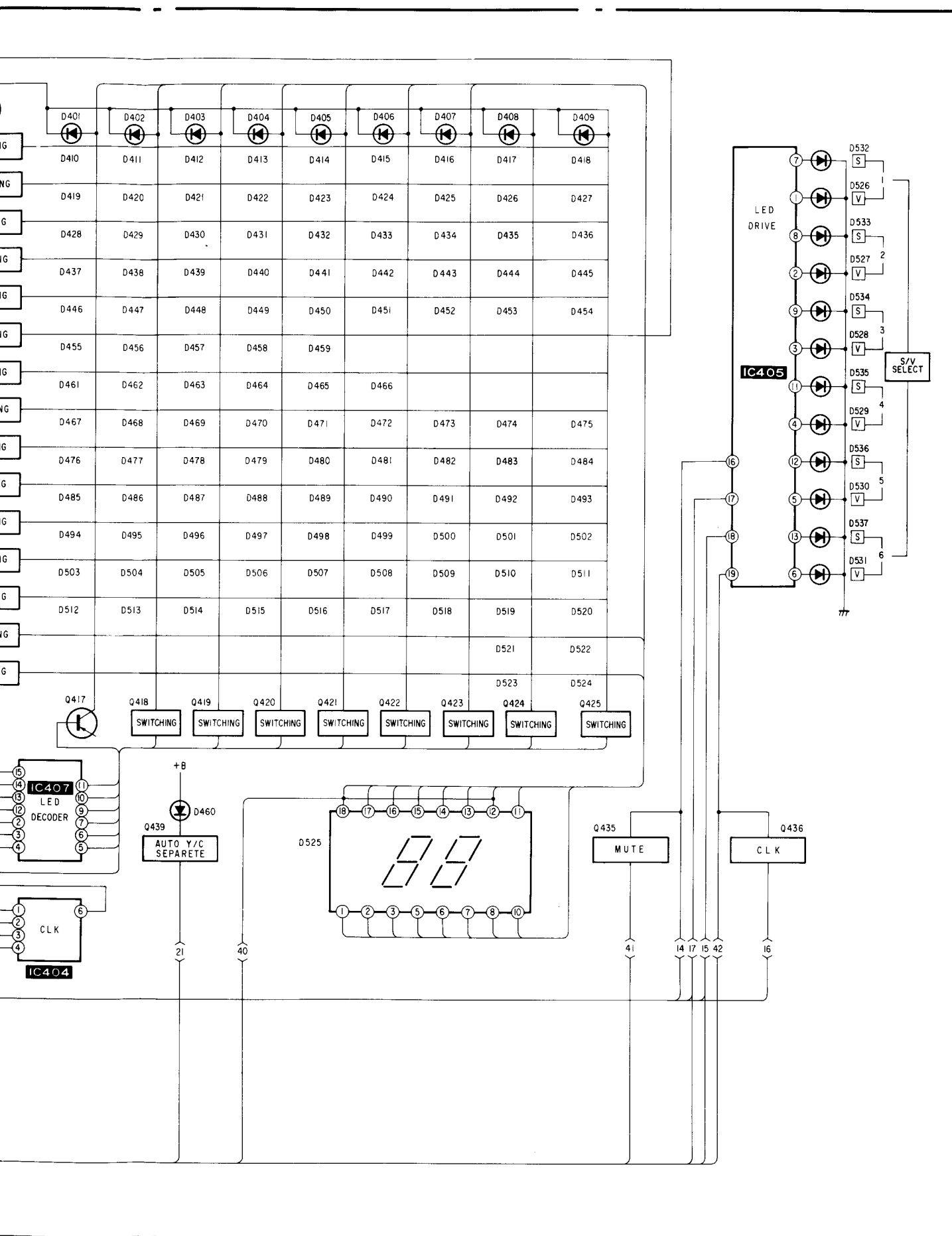


3-6. POWER BLOCK DIAGRAM



3-7. SYSTEM CONTROL BLOCK DIAGRAM



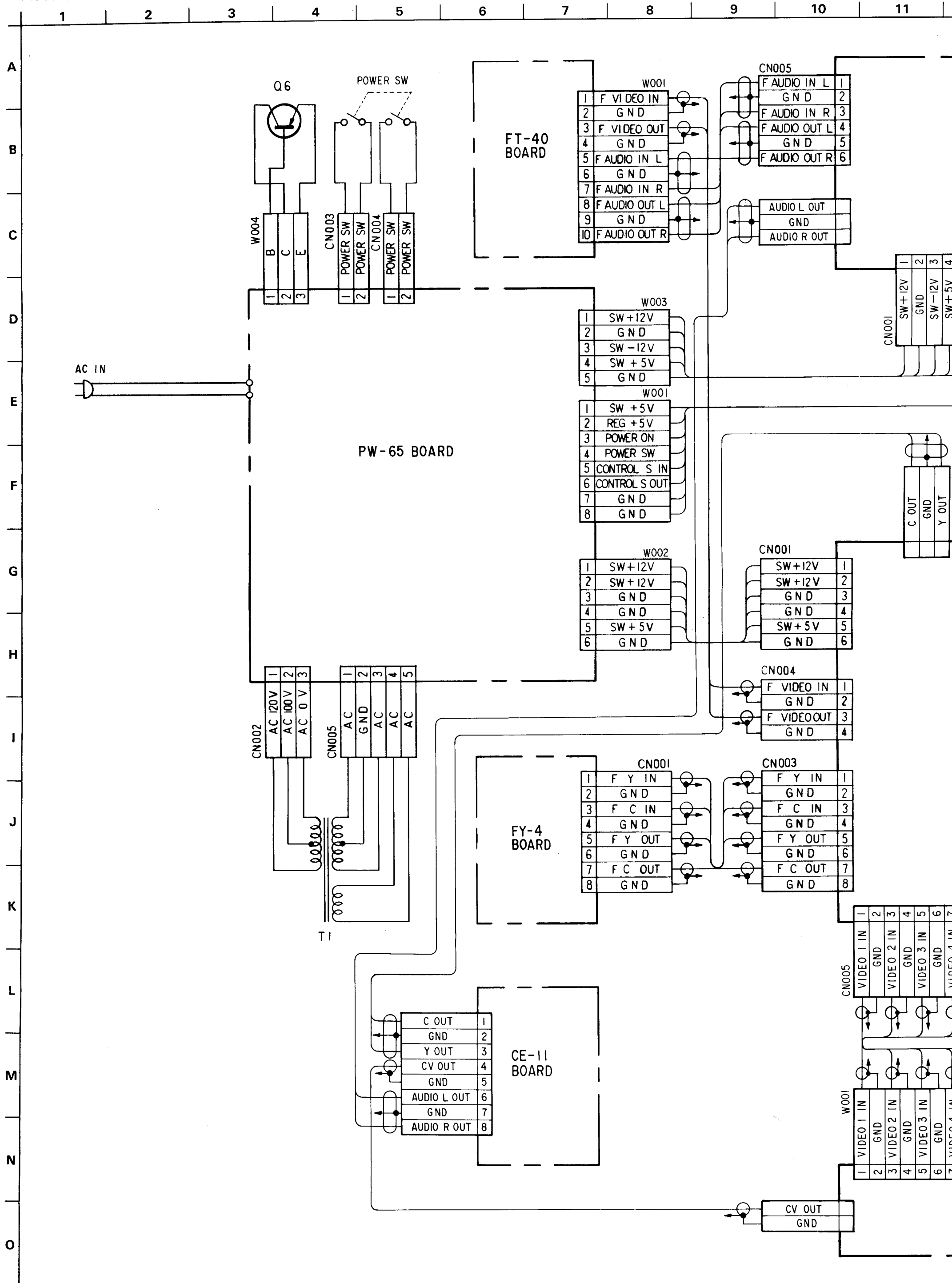


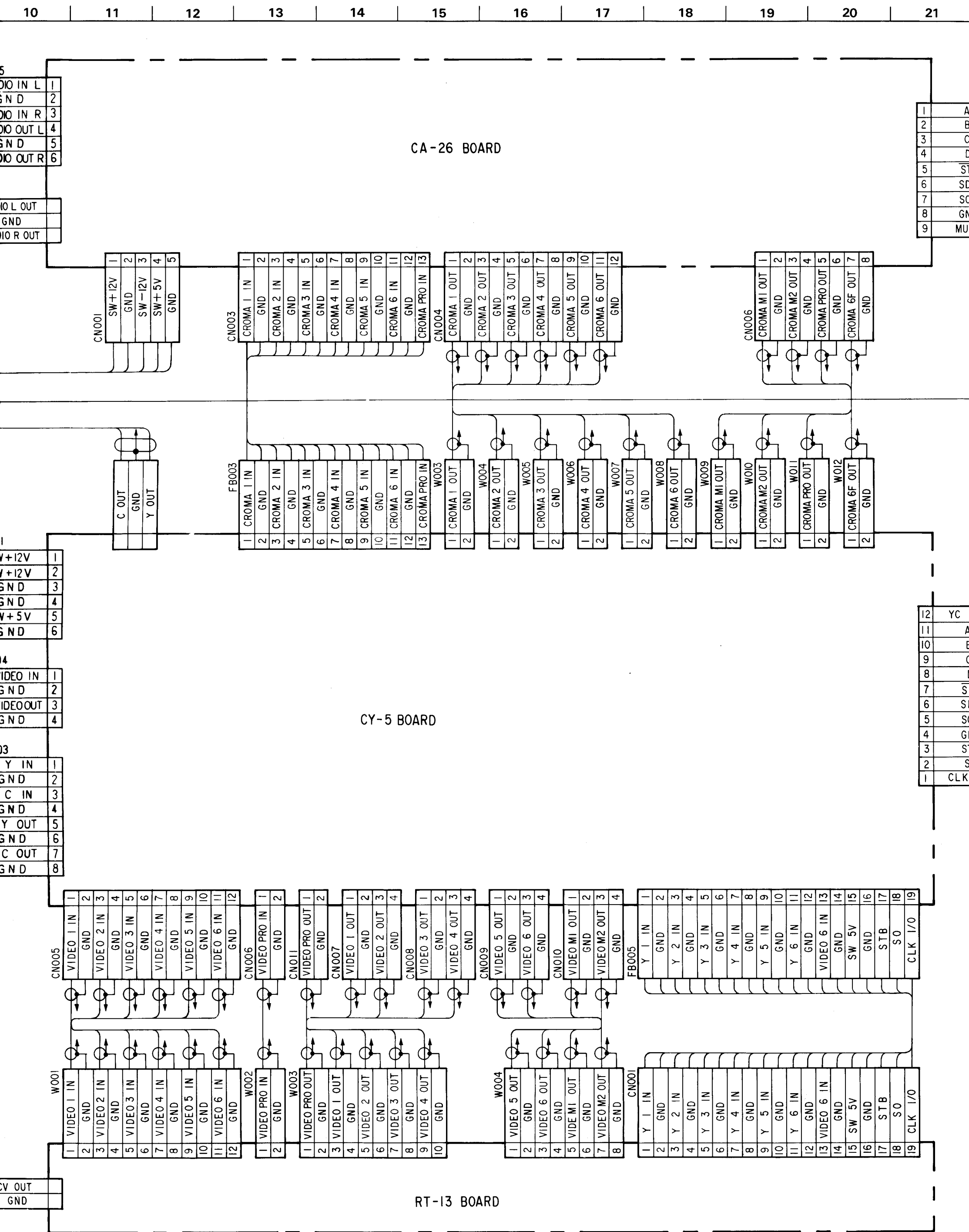
3-8. SYSTEM CONTROL (KS-5 BOARD IC401)

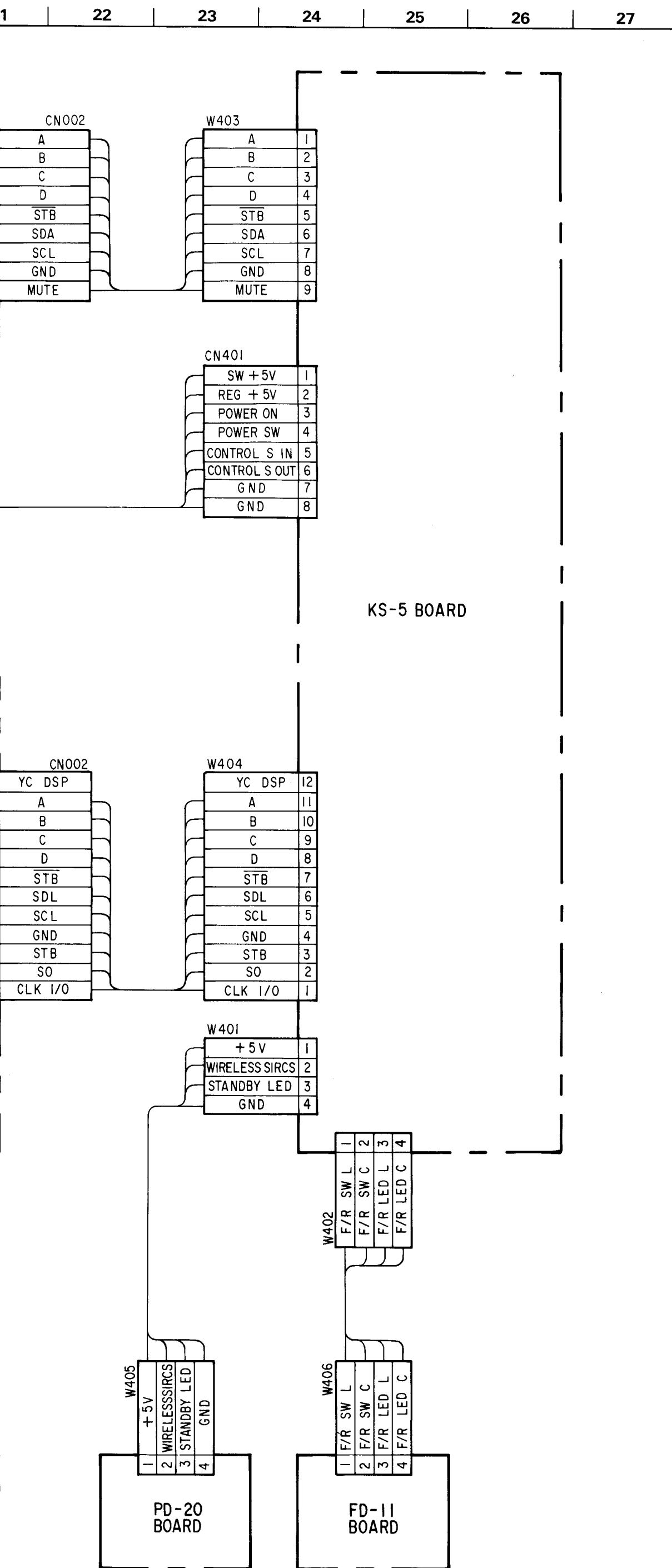
Pin No.	SIGNAL	I/O	I/O LEVEL	Pin No.	SIGNAL	I/O	I/O LEVEL
1	P41	O	KEY Add B	33	PTH 01	I	S.DATA.ON/OFF (refresh)
2	P40	O	KEY Add A	34	PTH 00	I	YC DATA IN
3	P53	O	DSP Add D	35	TI 0		
4	P52	O	DSP Add C	36	TI 1		
5	P51	O	DSP Add B	37	P23	O	S-P Add D
6	P50	O	DSP Add A	38	P22/PCL	O	S-P Add C
7	RESET	I	RESET	39	P21/PT01	O	S-P Add B
8	X2			40	P20/PT00	O	S-P Add A
9	X1			41	P03/SI	I	KEY DA 11
10	P63	O	DSP DA 4	42	P02/SO	I	KEY DA 10
11	P62	O	DSP DA 3	43	P01/SCK	I	KEY DA 9
12	P61	O	DSP DA 2	44	P00/INT4	I	※P-DOWN
13	P60	O	DSP DA 1	45	P12-3	I	KEY DA 4
14	P73	O	DSP DA 8	46	P12-2	I	KEY DA 3
15	P72	O	DSP DA 7	47	P12-1	I	KEY DA 2
16	P71	O	DSP DA 6	48	P12-0	I	KEY DA 1
17	P70	O	DSP DA 5	49	P13-3	I	KEY DA 8
18	P83	O	DSP DA 12	50	P13-2	I	KEY DA 7
19	P82	O	DSP DA 11	51	P13-1	I	KEY DA 6
20	P81	O	DSP DA 10	52	P13-0	I	KEY DA 5
21	P80	O	DSP DA 9	53	P14-3	O	MUTE
22	P93	O	DSP DA 16	54	P14-2	O	S-P SCL
23	P92	O	DSP DA 15	55	P14-1	O	S-P SDA
24	P91	O	DSP DA 14	56	P14-0	O	S-P STB
25	P90	O	DSP DA 13	57	NC		
26	Vss		GND	58	VDD		+5V
27	P13/INT3	I	YC STB	59	P33	O	EX.MEMO EN
28	P12/INT2	I	YC CLK	60	P32	O	EX.MEMO SCL
29	P11/INT1	I	P-SW	61	P31	O	EX.MEMO SDA 0
30	P10/INT0	I	Sircs	62	P30	I	EX.MEMO SDA 1
31	PTH 03			63	P43	O	STBY
32	PTH 02			64	P42	O	KEY Add C

SECTION 4
PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-1. FRAME SCHEMATIC DIAGRAM







4-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For printed wiring boards :

- : indicates a lead wire mounted on the componet side.
- : Through hole..
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.
- Circled numbers refer to waveforms.

Note :

Conductor side : Parts on the conductor side being seen from the conductor are stated.
Component side : Parts on the component side being seen from the component are stated.

For schematic diagram :

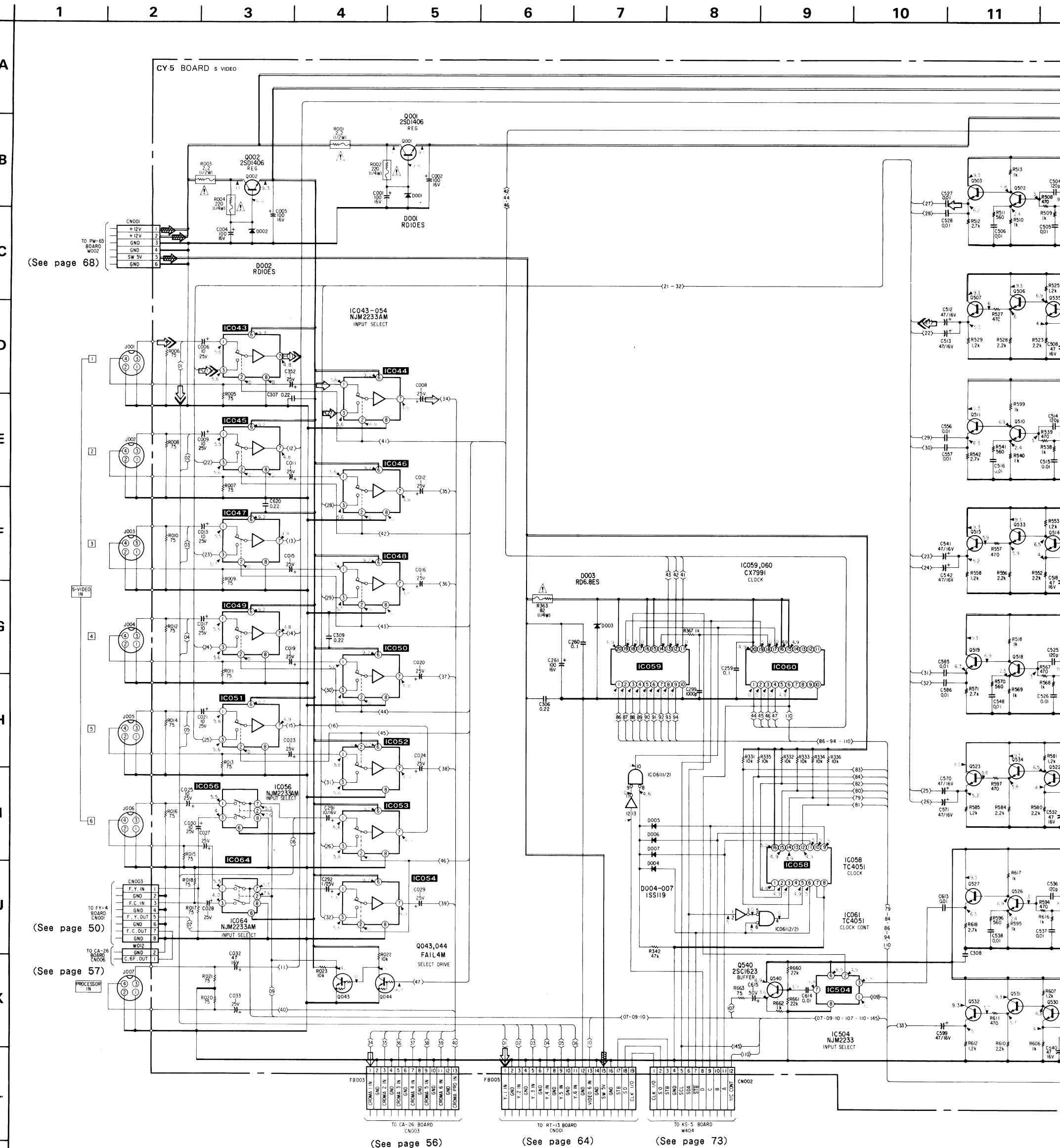
- Caution when replacing chip parts.
New parts must be attached after removal of chip.
Be careful not to heat the minuts side of tantalum capacitor, because it is damaged by the heat.
- All resistors are in ohms, $\frac{1}{4}W$ (chip resistors : $1/10W$) unless otherwise noted. $k\Omega$: 1000Ω , $M\Omega$: $1000k\Omega$.
- All capacitors are in μF unless otherwise noted. pF : $\mu\mu F$. 50V or less are not indicated except for electrolytics and tantalums.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.
- : internal component.
- : adjustment for repair.
- : B+ line.
- : B- line.
- : IN/OUT direction of B line (+, -).
- Circled numbers refer to waveforms.
- Voltages are dc between ground and measurement points.
- Readings are taken with color-bar signal input.
- Readings are taken with a digital multimeter ($DC10M\Omega$).
- Voltages are taken with a VOM (Input impedance $10M\Omega$).
- Voltage variations may be noted due to normal production tolerances.

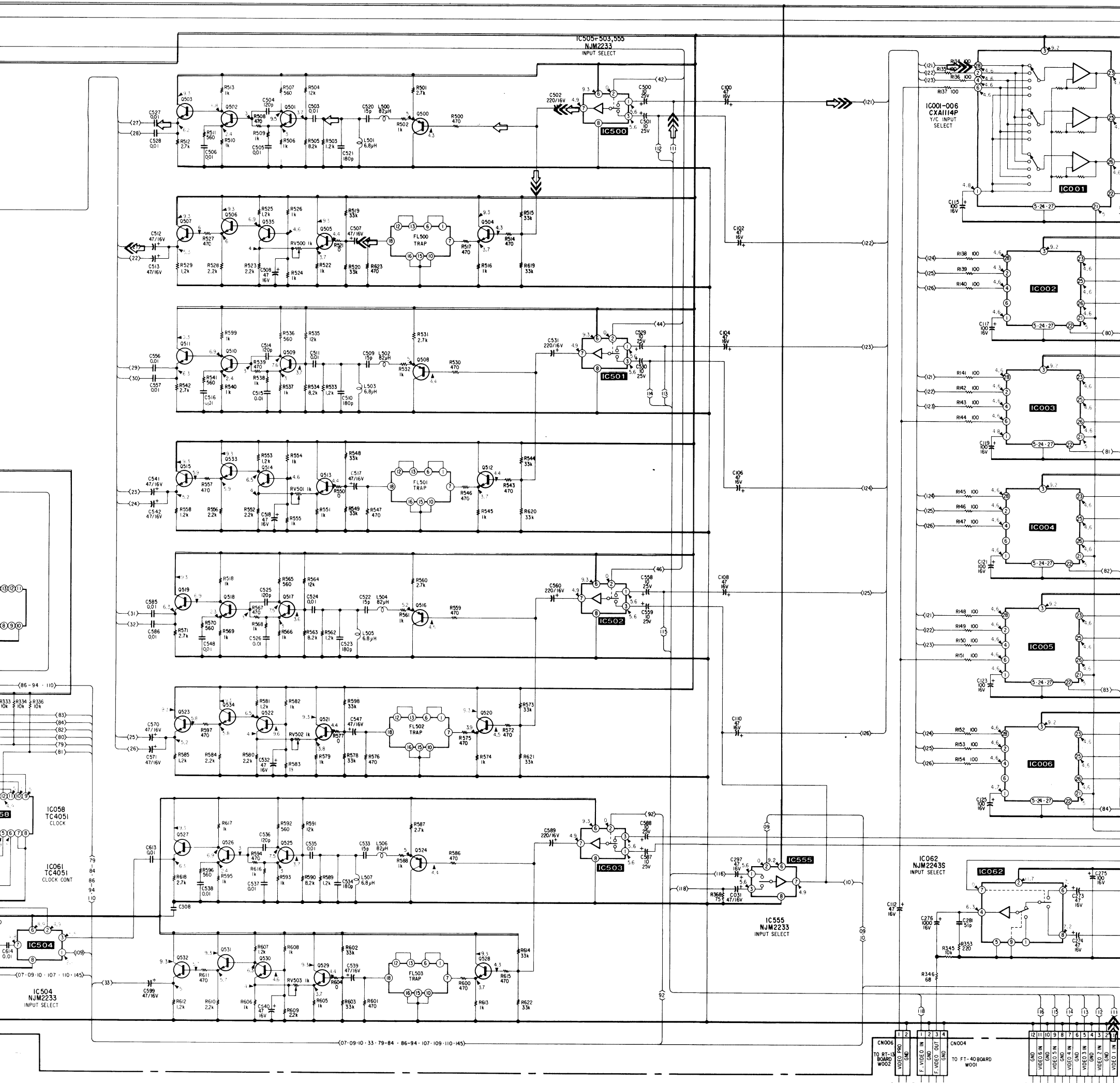
Note: The components identified by mark or dotted line with mark are critical for safety.
Replace only with part number specified.

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

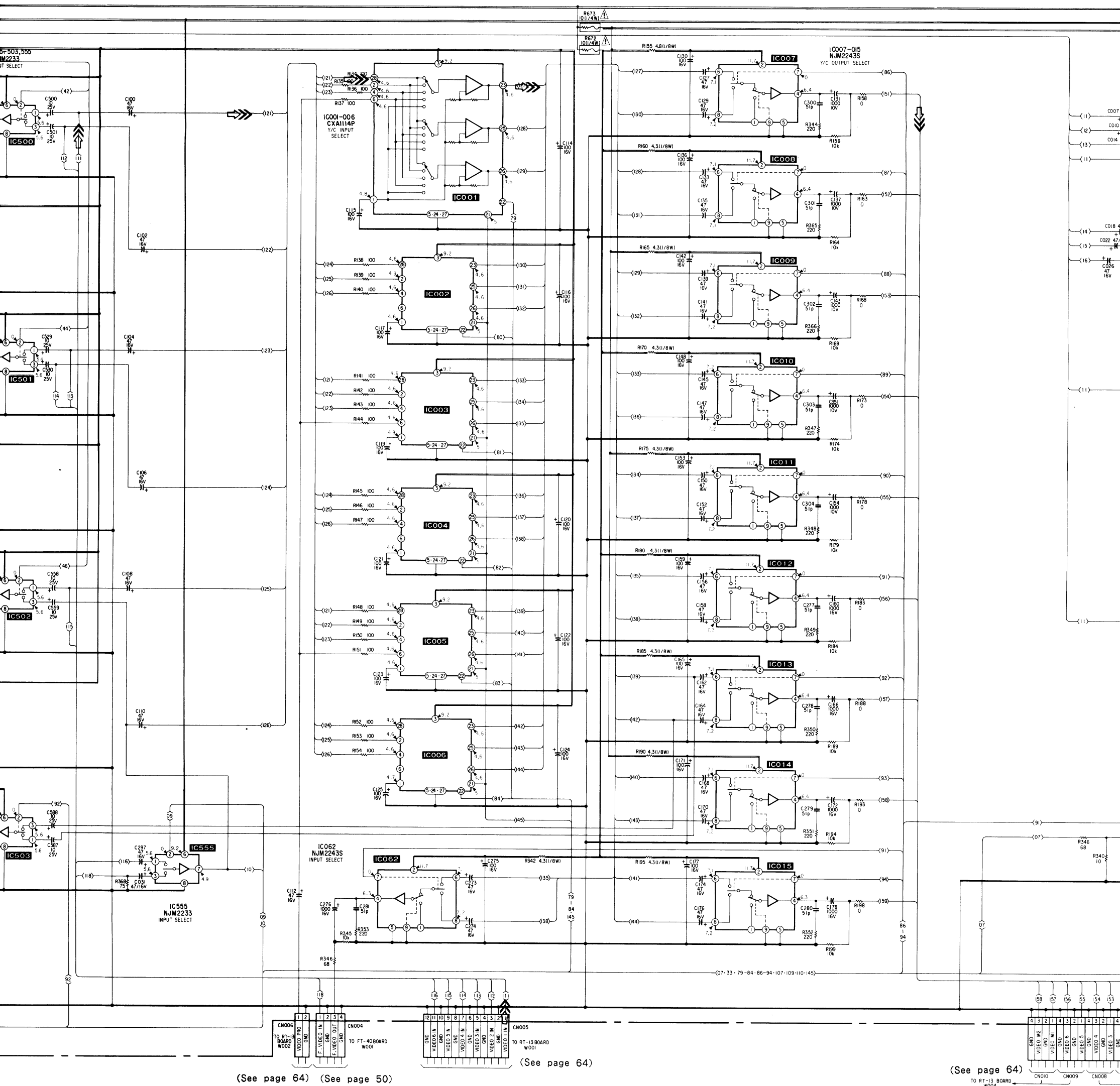
CY-5 (S VIDEO) SCHEMATIC DIAGRAM

—Ref. No. CY-5 BOARD : 1,000 Series—





(See page 64) (See page 50)



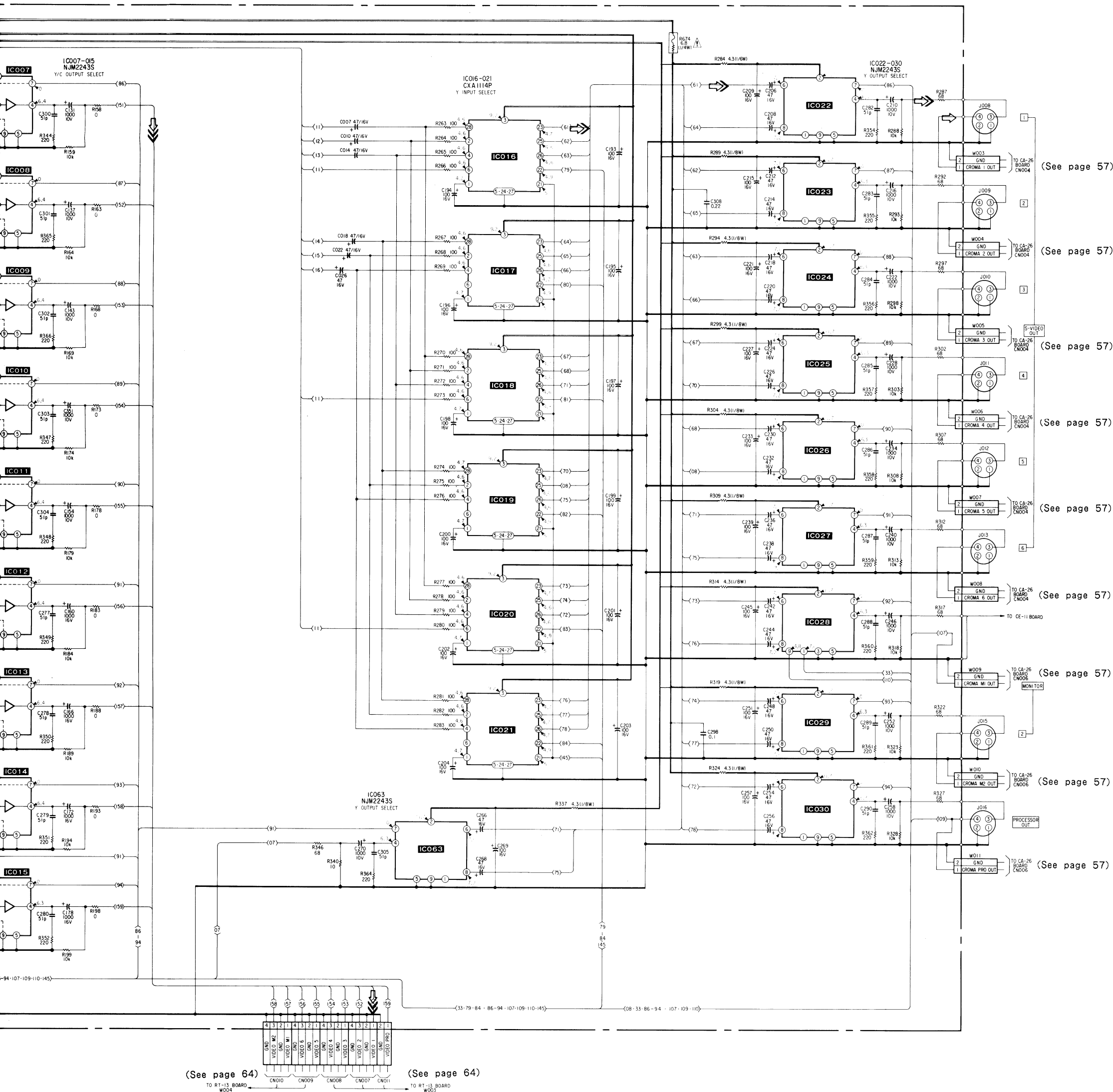
• Signal path

-  : PB CHROMA Signal
 : PB Y Signal
 : PB Y/CHROMA Signal

Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

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

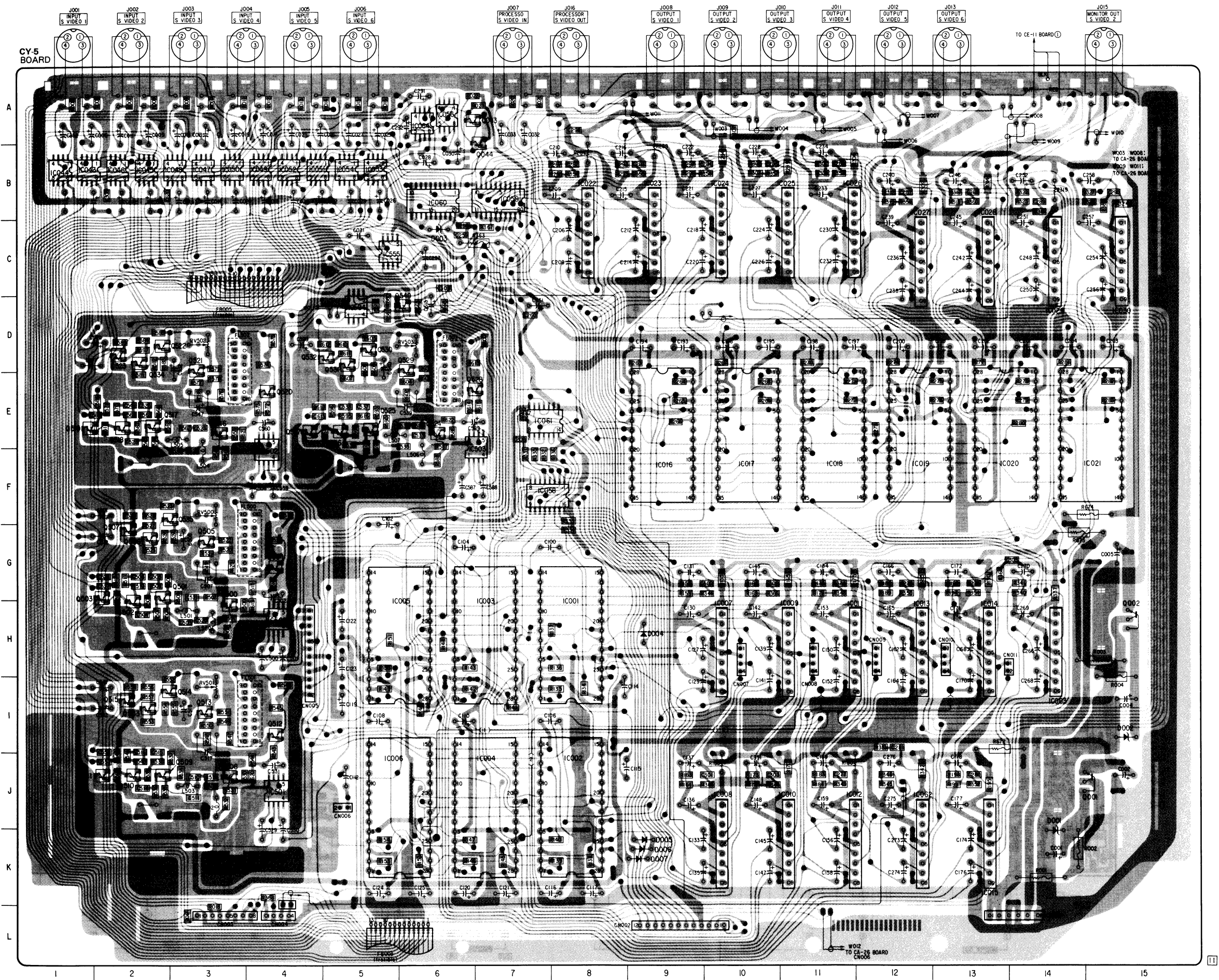
24 25 26 27 28 29 30 31 32 33 34



CY-5 (S VIDEO) PRINTED WIRING BOARD

—Ref. No. CY-5 BOARD : 1,000 Series—

CY-5 Board



CN001	L-14	IC059	B-7
CN002	L-9	IC060	B-6
CN003	L-3	IC061	E-7
CN004	L-4	IC062	J-12
CN005	H-4	IC063	H-14
CN006	J-5	IC064	A-6
CN007	H-10	IC500	H-4
CN008	H-11	IC501	J-4
CN009	H-12	IC502	F-4
CN010	H-13	IC503	E-7
CN011	H-14	IC504	D-5
		IC555	C-5
D001	K-14	Q001	J-15
D002	I-15	Q002	H-15
D003	C-6	Q043	A-7
D004	H-9	Q044	B-7
D005	K-9	Q500	H-3
D006	K-9	Q501	G-2
D007	K-9	Q502	H-2
		Q503	G-2
IC001	H-8	Q504	G-4
IC002	J-8	Q505	G-3
IC003	H-7	Q506	G-2
IC004	J-7	Q507	G-2
IC005	H-6	Q508	J-3
IC006	J-6	Q509	J-2
IC007	H-10	Q510	J-2
IC008	J-10	Q511	J-2
IC009	H-11	Q512	I-4
IC010	J-11	Q513	I-3
IC011	H-11	Q514	I-3
IC012	J-11	Q515	I-2
IC013	H-12	Q516	E-3
IC014	H-13	Q517	E-2
IC015	J-13	Q518	E-2
IC016	F-9	Q519	E-1
IC017	F-10	Q520	E-4
IC018	F-11	Q521	D-3
IC019	F-12	Q522	D-2
IC020	F-13	Q523	D-2
IC021	F-15	Q524	E-6
IC022	B-8	Q525	E-5
IC023	B-9	Q526	E-5
IC024	B-10	Q527	E-4
IC025	B-11	Q528	E-6
IC026	B-11	Q529	D-6
IC027	C-12	Q530	D-5
IC028	C-13	Q531	D-5
IC029	C-14	Q532	D-5
IC030	C-15	Q533	I-2
IC043	B-1	Q534	D-2
IC044	B-1	Q535	F-3
IC045	B-2	Q540	D-6
IC046	B-2		
IC047	B-3		
IC048	B-3	RV500	F-3
IC049	B-4	RV501	I-3
IC050	B-3	RV502	D-3
IC051	B-4	RV503	D-6
IC052	B-4		
IC053	B-5	FL500	G-4
IC054	B-5	FL501	I-4
IC056	A-6	FL502	D-3
IC058	F-7	FL503	D-6

For printed wiring boards :

- : Through hole..
- : Pattern from the side which en
- : Pattern of the rear side.

Note :

Conductor side : Parts on the conductor s
the conductor are stated.

Component side : Parts on the component
from the component are

board

L-14	IC059	B-7
L-9	IC060	B-6
L-3	IC061	E-7
L-4	IC062	J-12
H-4	IC063	H-14
J-5	IC064	A-6
H-10	IC500	H-4
H-11	IC501	J-4
H-12	IC502	F-4
H-13	IC503	E-7
H-14	IC504	D-5
	IC555	C-5
K-14		
I-15	Q001	J-15
C-6	Q002	H-15
H-9	Q043	A-7
K-9	Q044	B-7
K-9	Q500	H-3
K-9	Q501	G-2
	Q502	H-2
H-8	Q503	G-2
J-8	Q504	G-4
H-7	Q505	G-3
J-7	Q506	G-2
H-6	Q507	G-2
J-6	Q508	J-3
H-10	Q509	J-2
J-10	Q510	J-2
H-11	Q511	J-2
J-11	Q512	I-4
H-11	Q513	I-3
J-11	Q514	I-3
H-12	Q515	I-2
H-13	Q516	E-3
J-13	Q517	E-2
F-9	Q518	E-2
F-10	Q519	E-1
F-11	Q520	E-4
F-12	Q521	D-3
F-13	Q522	D-2
F-15	Q523	D-2
B-8	Q524	E-6
B-9	Q525	E-5
B-10	Q526	E-5
B-11	Q527	E-4
B-11	Q528	E-6
C-12	Q529	D-6
C-13	Q530	D-5
C-14	Q531	D-5
C-15	Q532	D-5
B-1	Q533	I-2
B-1	Q534	D-2
B-2	Q535	F-3
B-2	Q540	D-6
B-3		
B-3	RV500	F-3
B-4	RV501	I-3
B-3	RV502	D-3
B-4	RV503	D-6
B-4		
B-5	FL500	G-4
B-5	FL501	I-4
A-6	FL502	D-3
F-7	FL503	D-6

For printed wiring boards :

-  : Through hole..
-  : Pattern from the side which enables seeing.
-  : Pattern of the rear side.

Note :

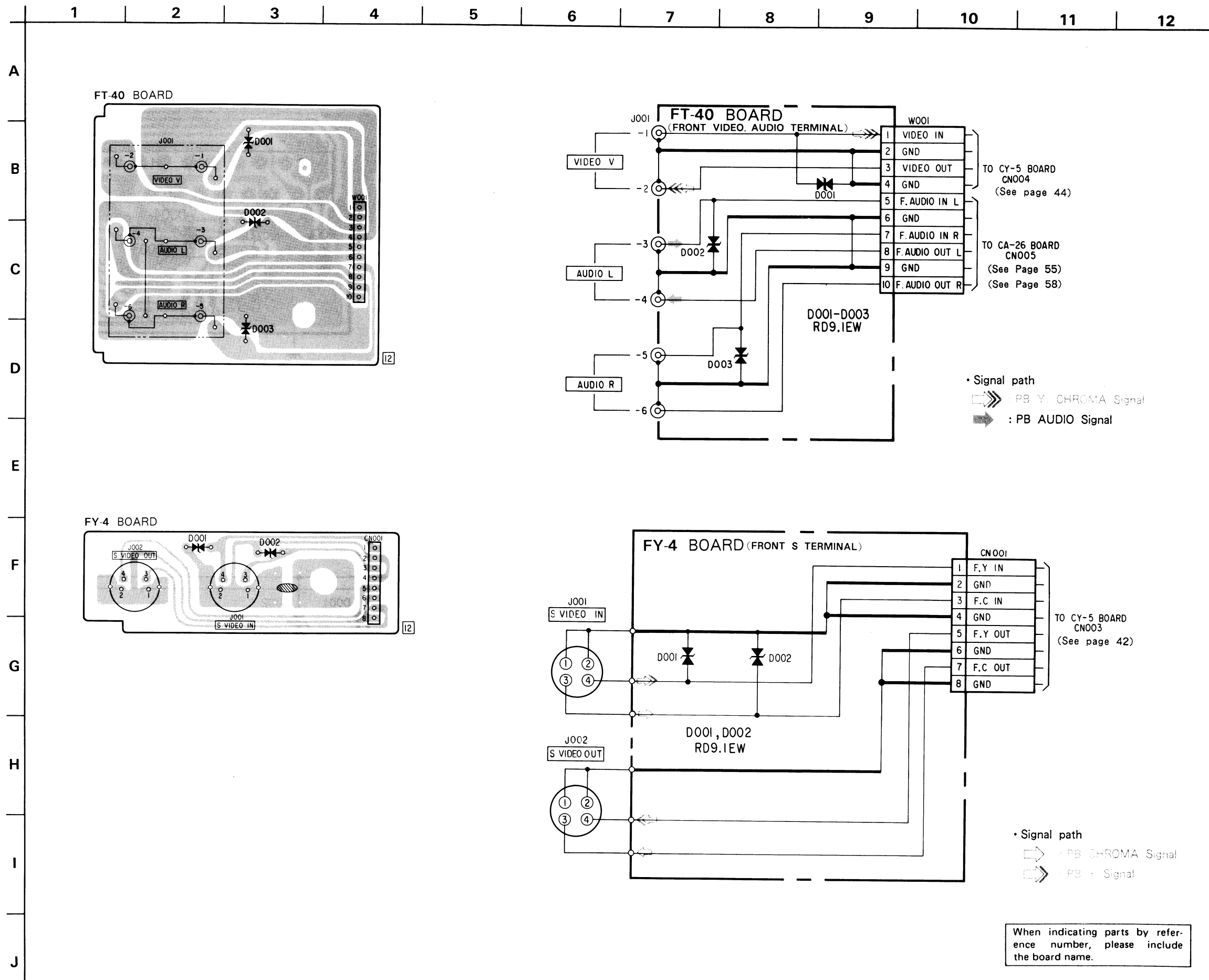
Conductor side : Parts on the conductor side being seen from the conductor are stated.

Component side : Parts on the component side being seen from the component are stated.

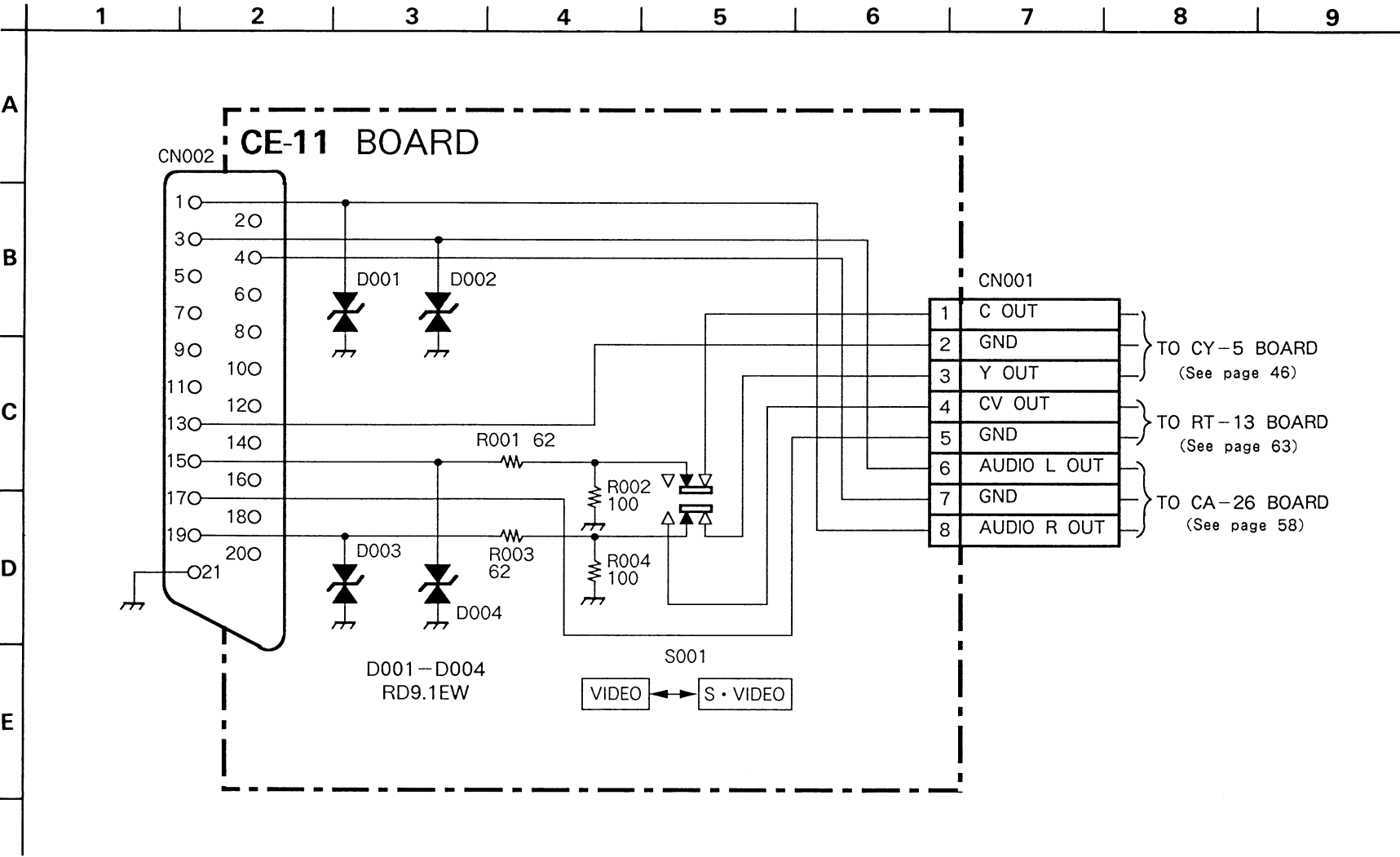
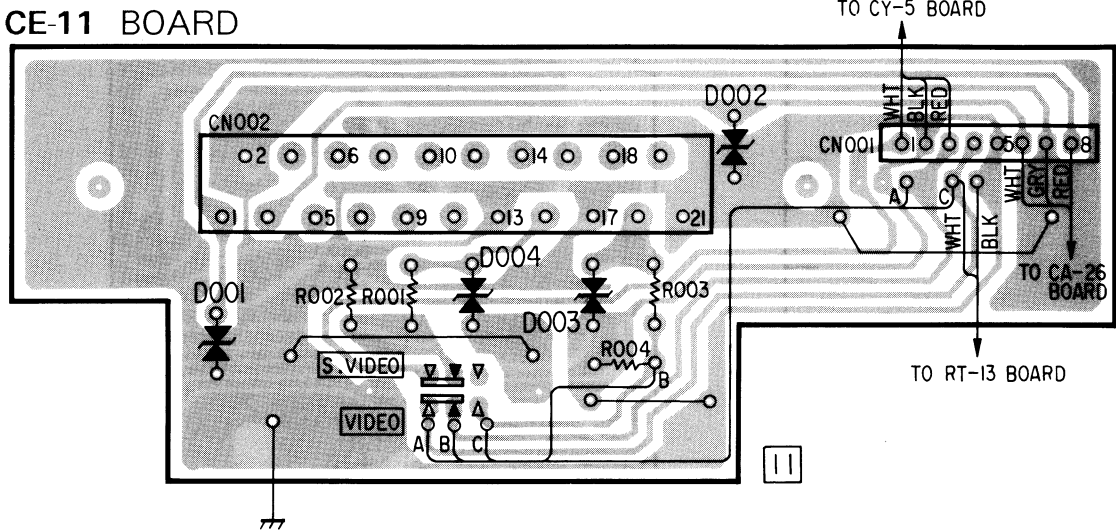
FT-40 (FRONT VIDEO, AUDIO TERMINAL), FY-4 (FRONT S TERMINAL) PRINTED WIRING BOARDS

FT-40 (FRONT VIDEO, AUDIO TERMINAL), FY-4 (FRONT S TERMINAL) SCHEMATIC DIAGRAMS

—Ref. No. FT-40 BOARD : 200 Series, FY-4 BOARD : 300 Series—



S VIDEO S VIDEO



CN001
CN002
CN003
CN004
CN005
CN006

D001
D002
D003
D004
D005

IC001
IC002
IC003
IC004
IC005
IC006
IC007
IC008
IC009
IC010
IC011
IC012
IC013
IC014
IC015
IC016
IC017
IC018
IC019
IC020
IC021
IC022
IC023
IC024
IC025
IC026
IC027
IC028
IC029
IC030
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IC036
IC037
IC038
IC039
IC041
IC042
IC043
IC044
IC045

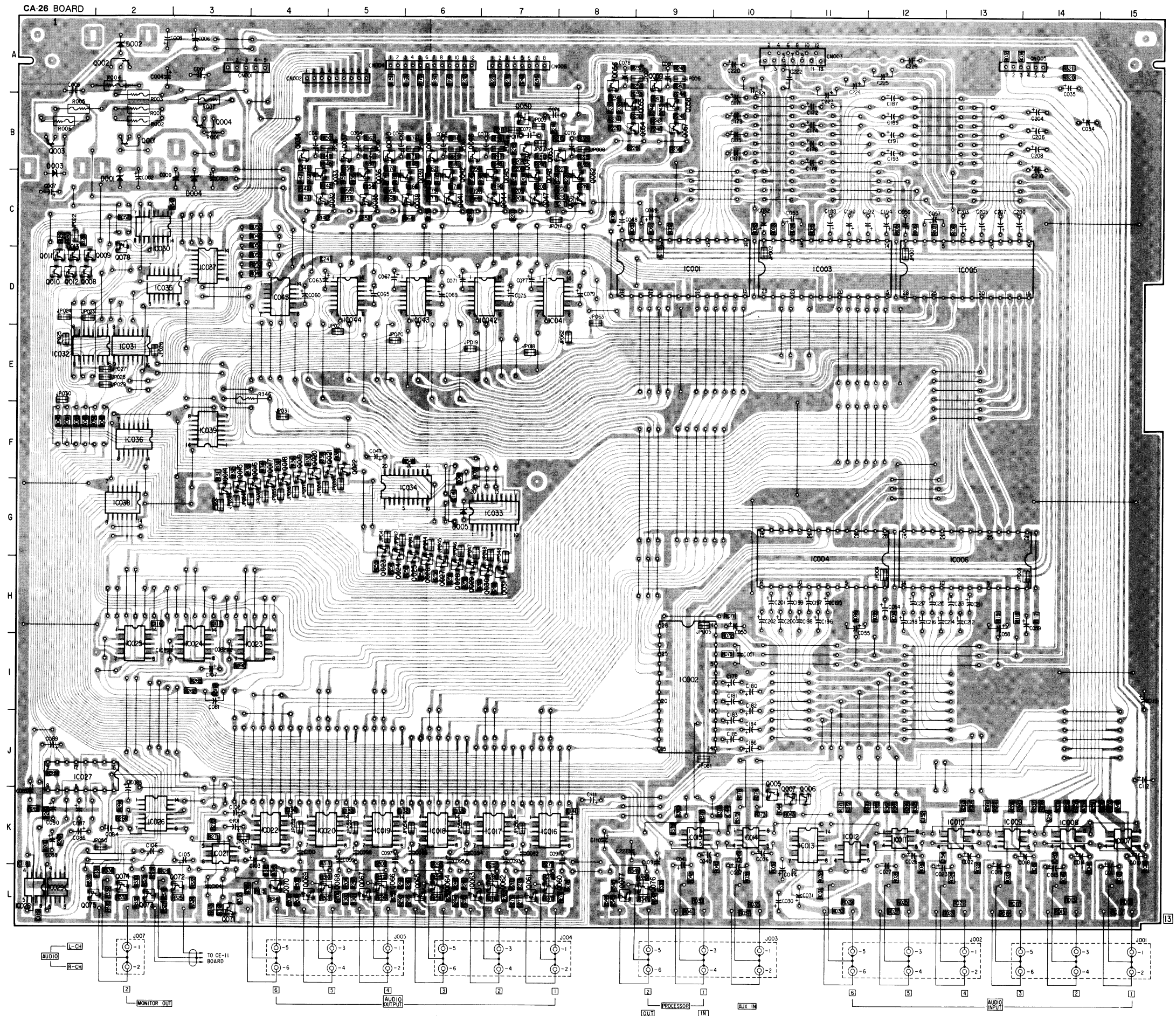
Q001
Q002
Q003
Q004
Q005
Q006
Q007
Q008
Q009
Q010
Q011
Q012
Q013
Q014

CA-26 (AUDIO, VIDEO CONTROL) PRINTED WIRING BOARD

—Ref. No. CA-26 BOARD : 2,000 Series—

CA-26 Board

CN001	A-3	Q015	G-3
CN002	A-5	Q016	G-4
CN003	A-11	Q017	G-4
CN004	A-5	Q018	G-4
CN005	A-14	Q019	F-4
CN006	A-7	Q020	F-4
		Q021	F-5
D001	C-2	Q022	F-5
D002	A-2	Q023	G-5
D003	C-1	Q024	G-5
D004	C-3	Q025	H-6
D005	G-6	Q026	H-6
		Q027	H-6
IC001	D-9	Q028	H-6
IC002	I-9	Q029	H-6
IC003	D-11	Q030	H-7
IC004	G-11	Q031	H-7
IC005	D-13	Q032	C-4
IC006	G-13	Q033	C-4
IC007	K-15	Q034	B-4
IC008	K-14	Q035	C-5
IC009	K-13	Q036	C-5
IC010	K-13	Q037	B-5
IC011	K-12	Q038	C-6
IC012	K-11	Q039	C-6
IC013	K-11	Q040	B-5
IC014	K-10	Q041	C-6
IC015	K-9	Q042	C-6
IC016	K-7	Q043	B-6
IC017	K-7	Q044	C-7
IC018	K-6	Q045	C-7
IC019	K-5	Q046	B-6
IC020	K-5	Q047	C-7
IC021	K-3	Q048	C-7
IC022	K-4	Q049	B-7
IC023	I-4	Q050	B-7
IC024	I-3	Q051	C-8
IC025	I-2	Q052	C-8
IC026	K-2	Q053	B-7
IC027	J-1	Q054	B-8
IC028	L-1	Q055	B-8
IC029	L-1	Q056	A-8
IC030	C-2	Q057	B-9
IC031	E-2	Q058	B-9
IC032	E-1	Q059	A-9
IC033	G-7	Q060	L-7
IC034	G-6	Q061	L-7
IC035	D-2	Q062	L-7
IC036	F-2	Q063	L-6
IC037	D-3	Q064	L-6
IC038	G-2	Q065	L-6
IC039	F-3	Q066	L-5
IC041	D-7	Q067	L-5
IC042	D-7	Q068	L-5
IC043	D-6	Q069	L-4
IC044	D-5	Q070	L-4
IC045	D-4	Q071	L-3
		Q072	L-3
		Q073	L-2
		Q074	L-2
		Q075	L-2
		Q076	L-9
		Q077	L-8
		Q078	D-2
Q001	B-2		
Q002	A-2		
Q003	B-1		
Q004	B-3		
Q005	K-10		
Q006	K-11		
Q007	K-11		
Q008	D-1		
Q009	D-1		
Q010	D-1		
Q011	D-1		
Q012	D-1		
Q013	D-1		
Q014	G-3		



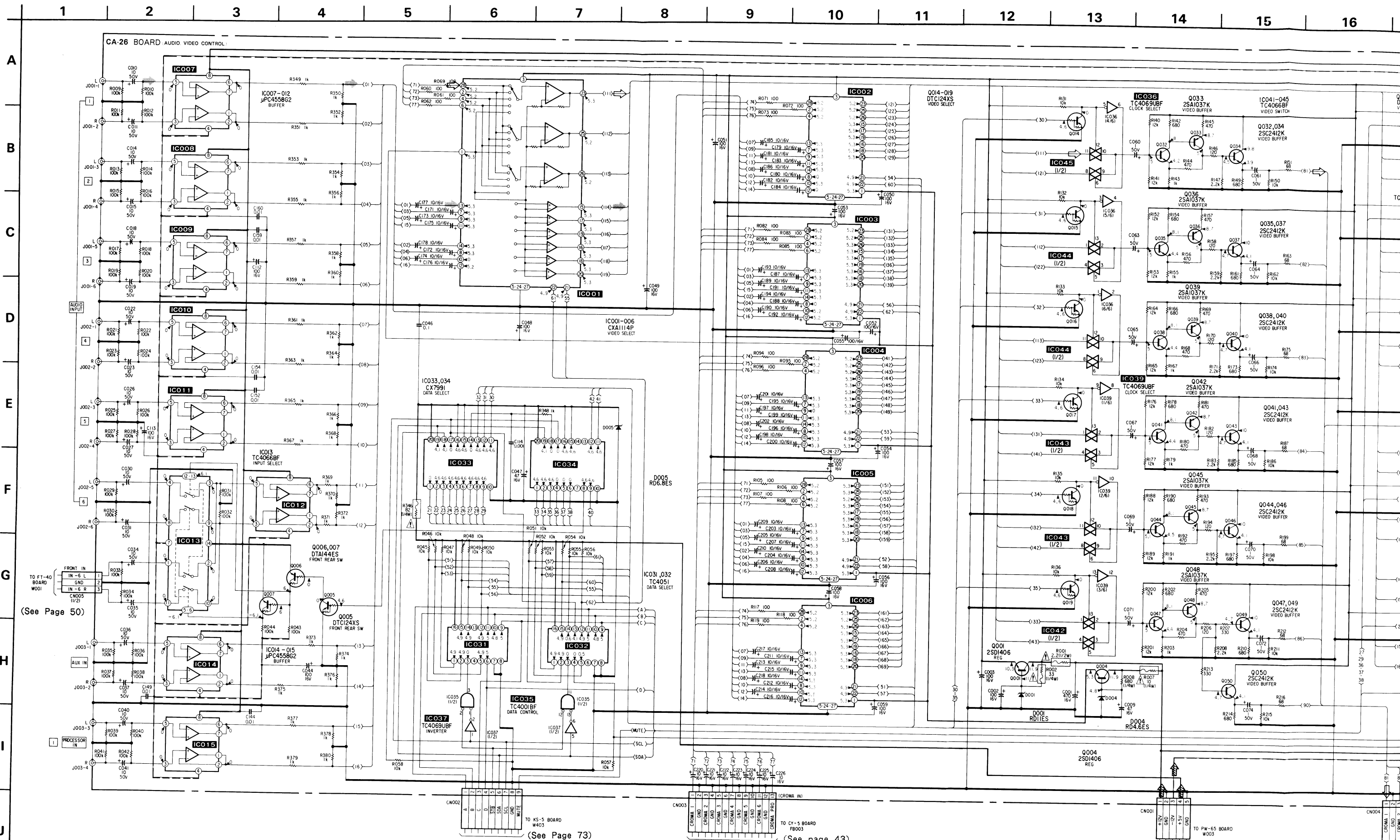
TO CY-5 BOARD
(See page 46)

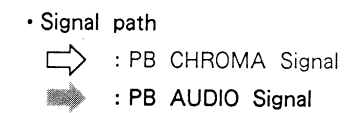
TO RT-13 BOARD
(See page 63)

TO CA-26 BOARD
(See page 58)

CA-26 (AUDIO, VIDEO CONTROL) SCHEMATIC DIAGRAM

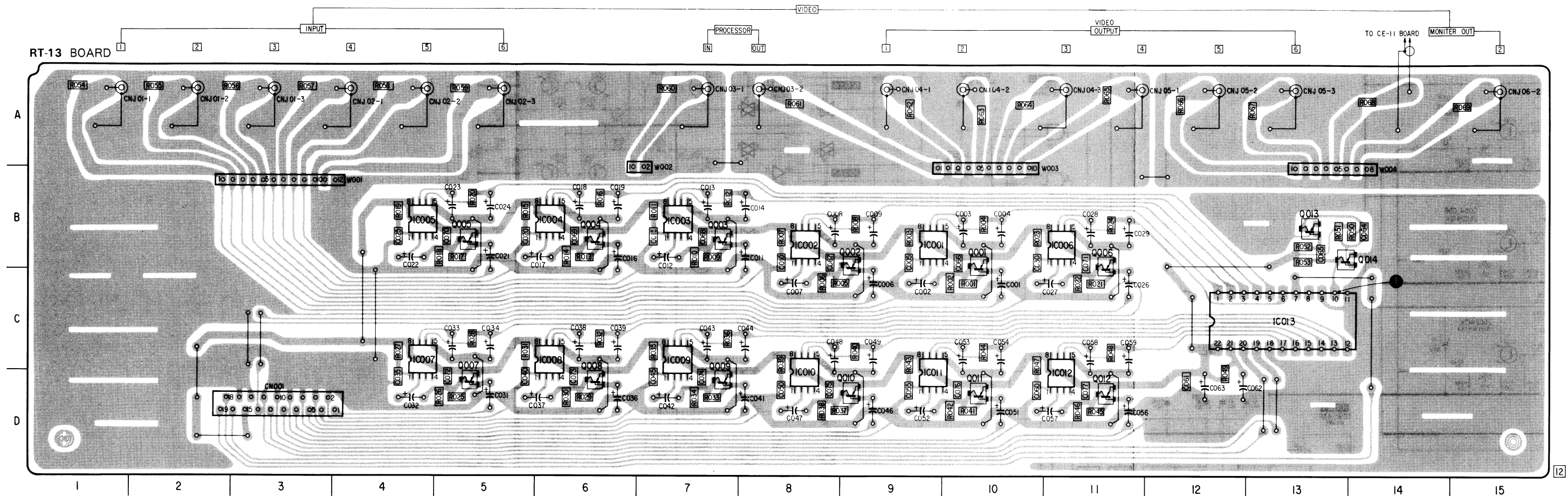
—Ref. No. CA-26 BOARD : 2,000 Series—

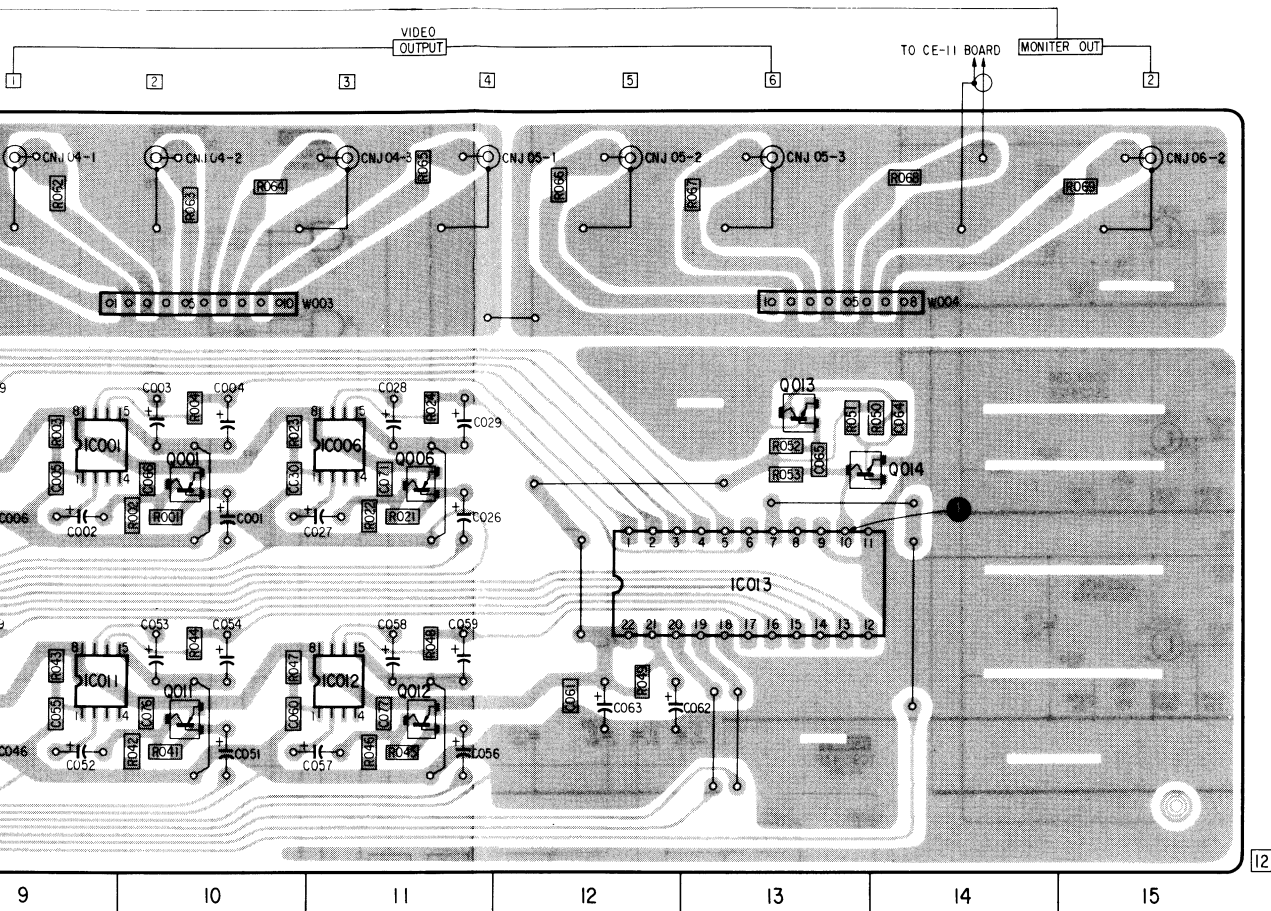




Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

RT-13 (VIDEO I/O) PRINTED WIRING BOARD
—Ref. No. RT-13 BOARD : 100 Series—

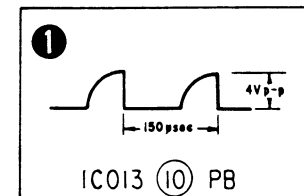




RT-13 Board

CN001	D-3
IC001	B-9
IC002	B-8
IC003	B-7
IC004	B-6
IC005	B-4
IC006	B-11
IC007	C-4
IC008	C-6
IC009	C-7
IC010	D-8
IC011	D-9
IC012	D-11
IC013	C-13
Q001	B-10
Q002	B-9
Q003	B-7
Q004	B-6
Q005	B-5
Q006	B-11
Q007	D-5
Q008	D-6
Q009	D-7
Q010	D-9
Q011	D-10
Q012	D-11
Q013	B-13
Q014	B-13

RT-13 BOARD



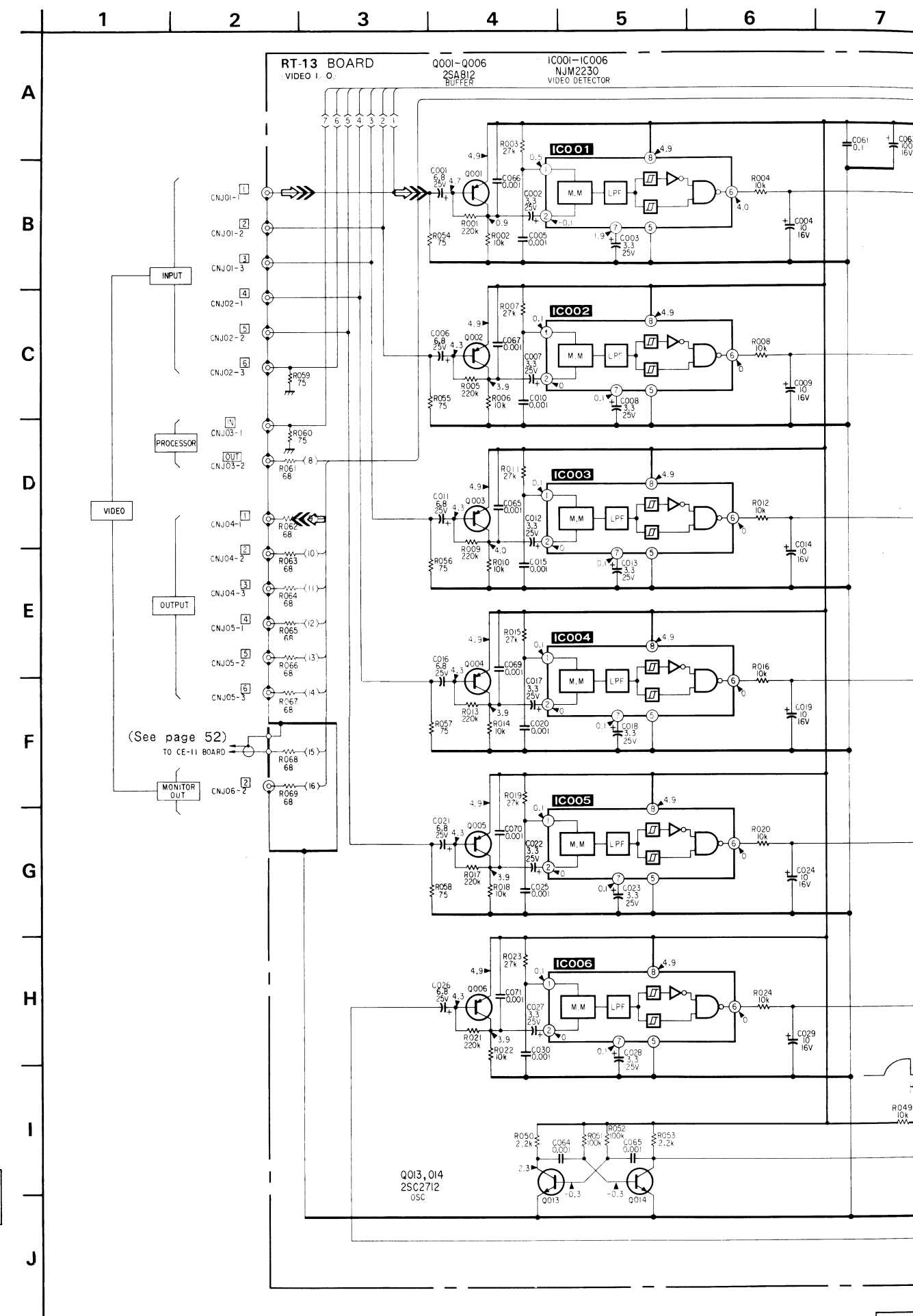
• Signal path

: PB Y Signal
 : PB Y/CHROMA Signal

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

RT-13 (VIDEO I/O) SCHEMATIC DIAGRAM

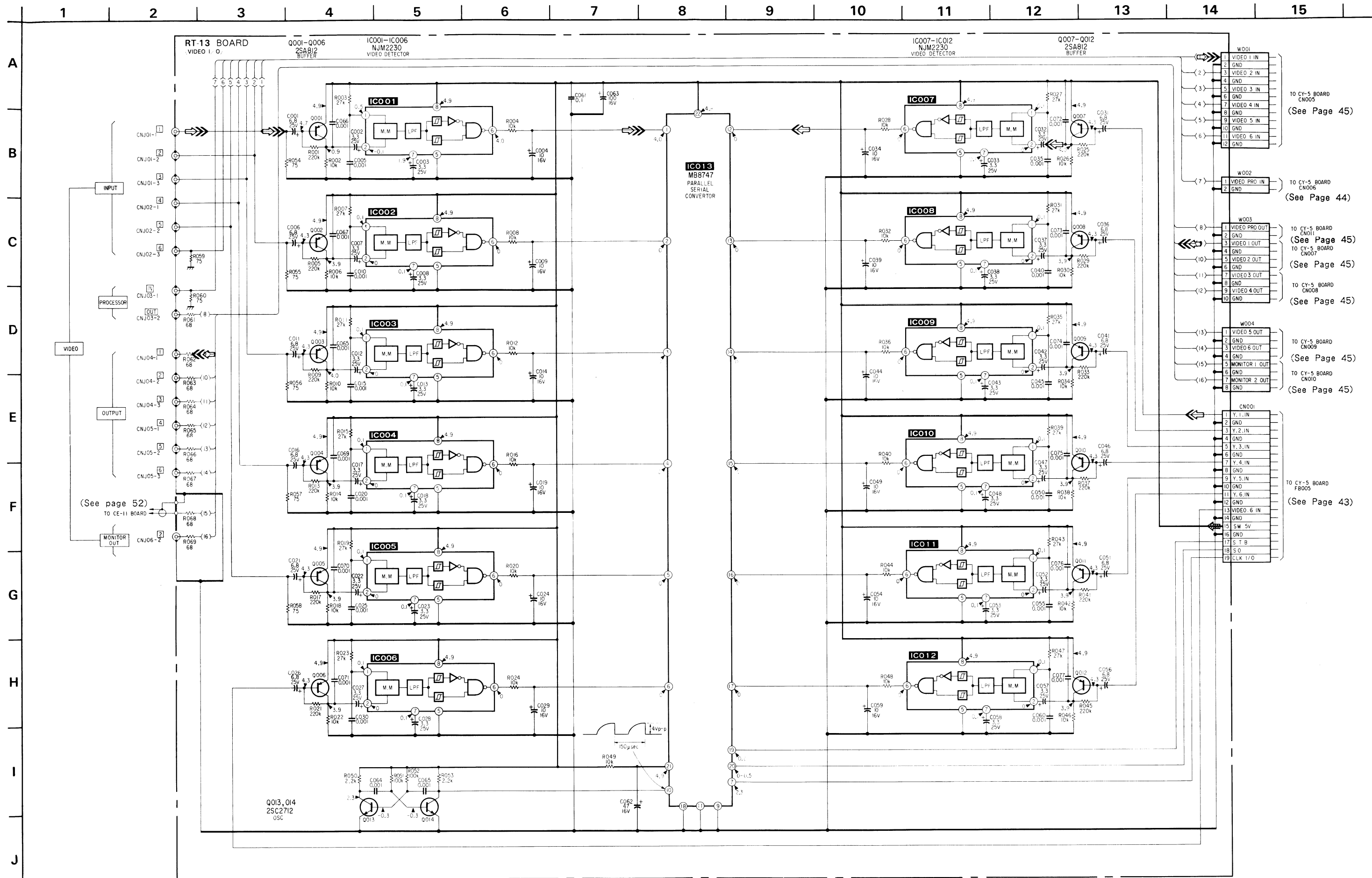
—Ref. No. RT-13 BOARD : 100 Series—

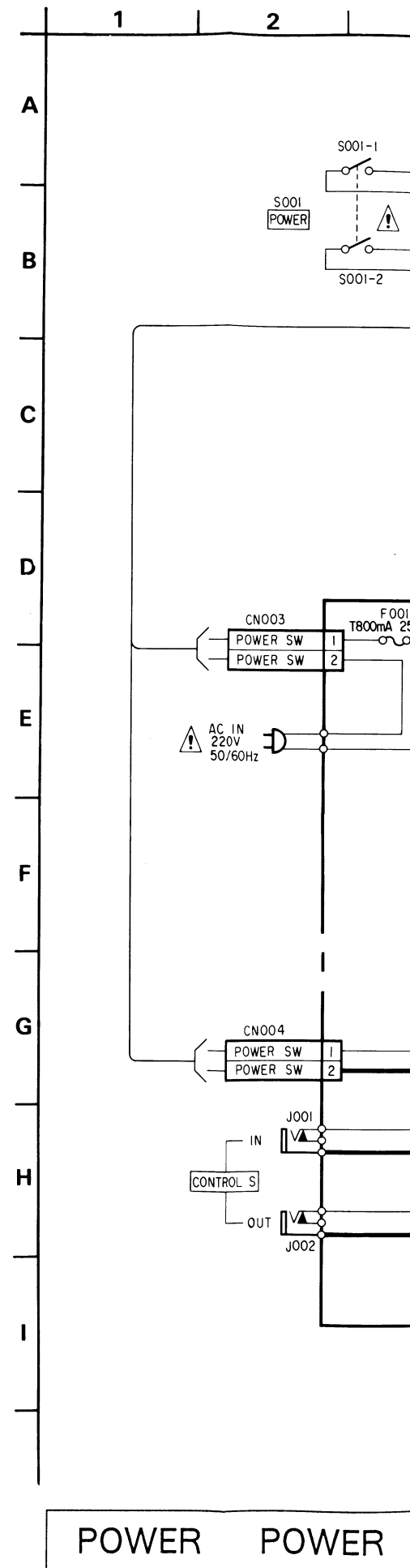
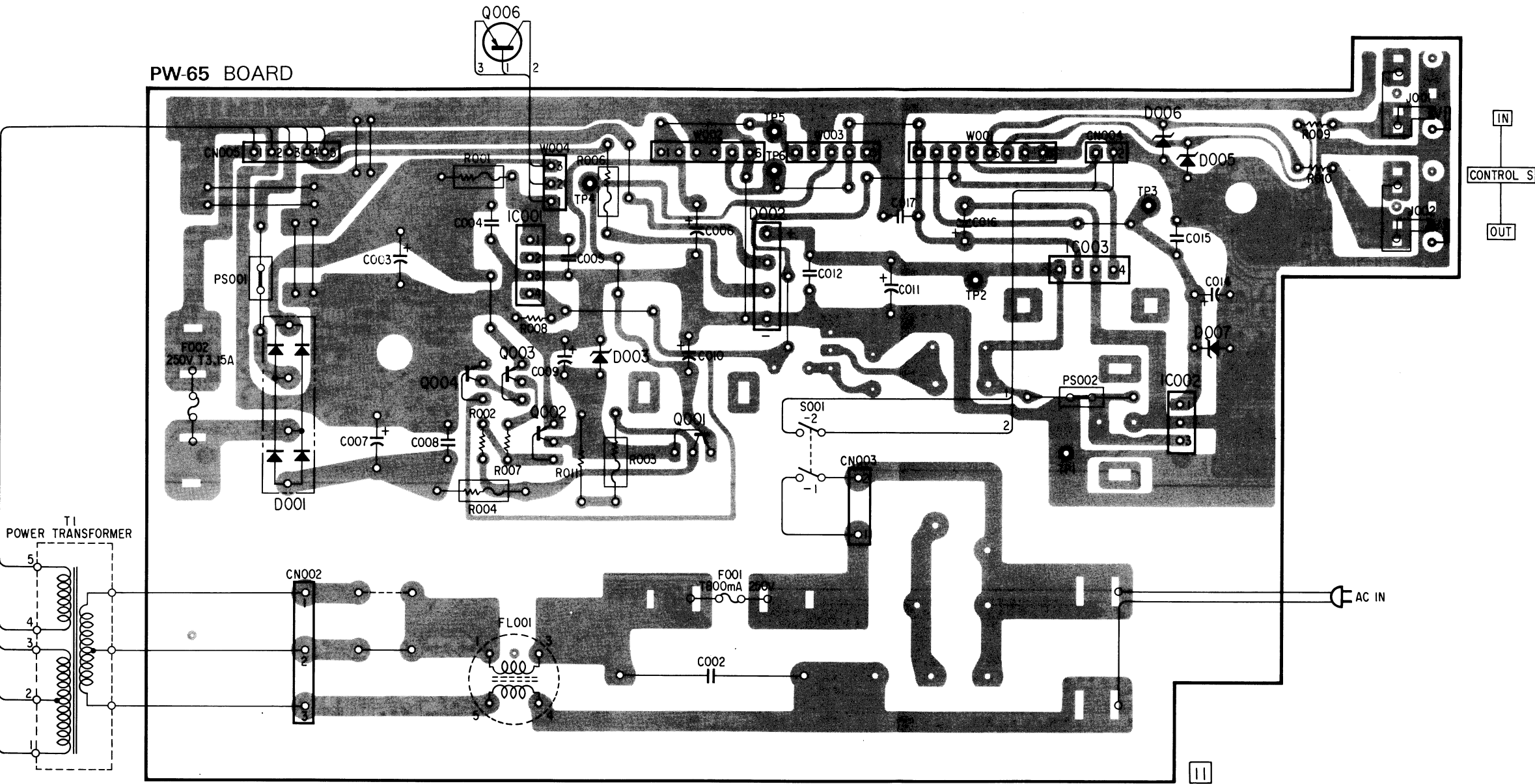


VIDEO VIDEO

RT-13 (VIDEO I/O) SCHEMATIC DIAGRAM

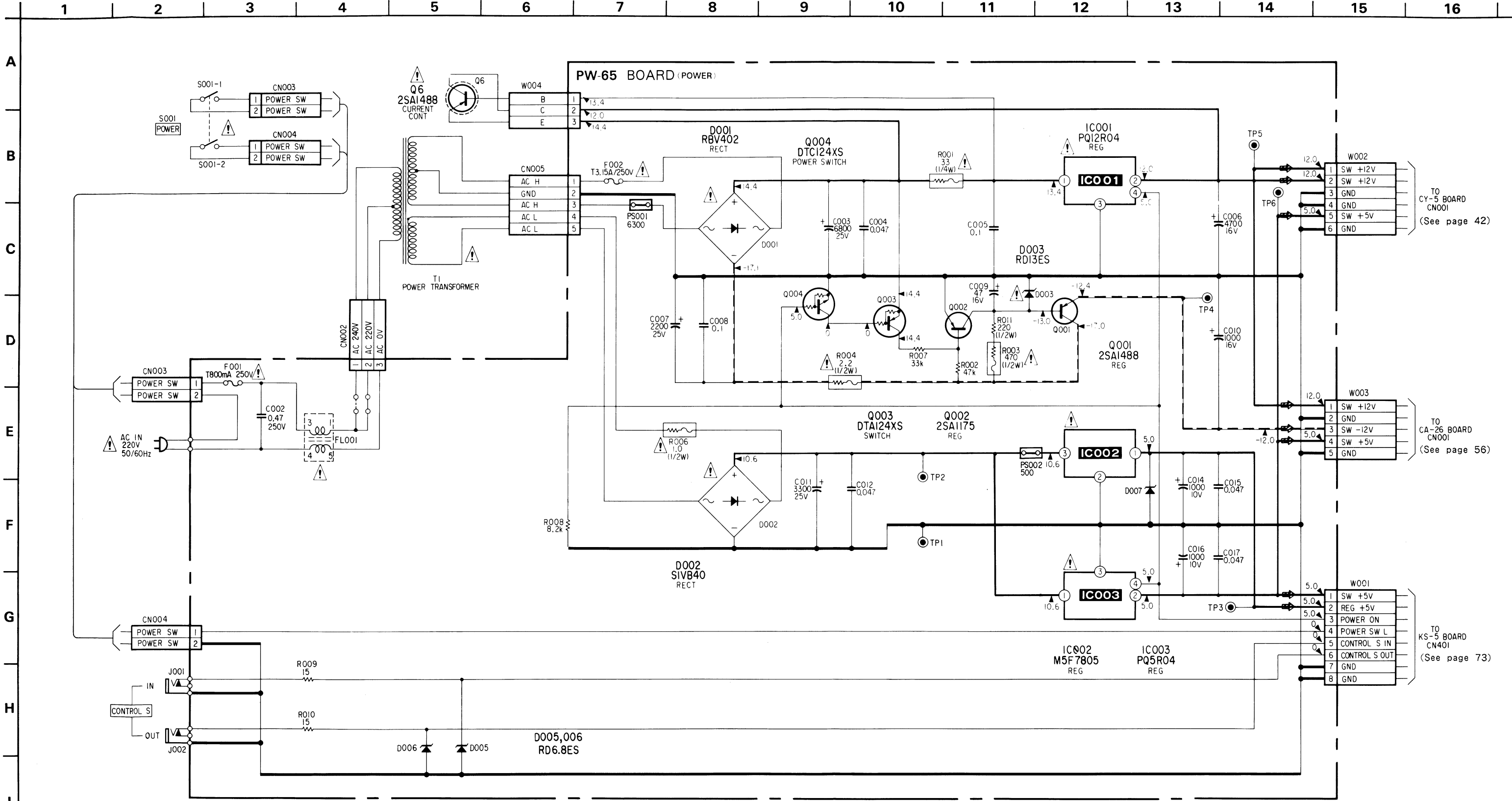
—Ref. No. RT-13 BOARD : 100 Series—





PW-65 (POWER) SCHEMATIC DIAGRAM

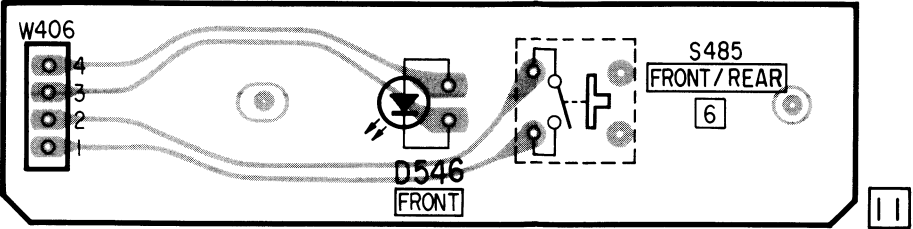
—Ref. No. PW-65 BOARD : 400 Series—



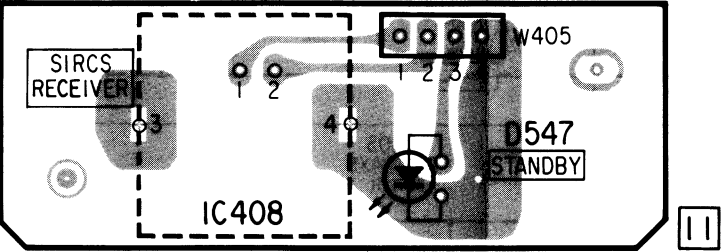
When indicating parts by reference number, please include the board name.

Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

FD-11 BOARD



PD-20 BOARD



For printed wiring boards :

- ● : Through hole..
- ■ : Pattern from the side which enables seeing.
- ■ : Pattern of the rear side.

Note :

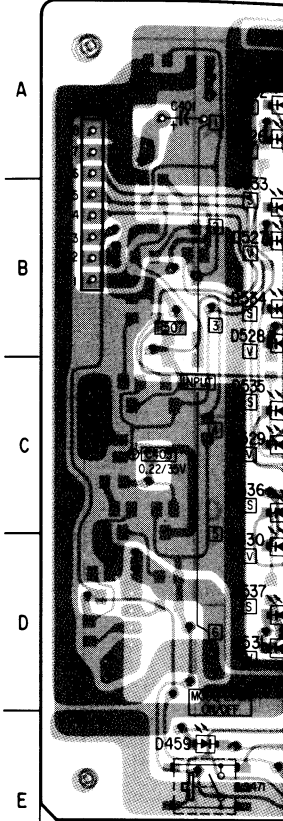
Conductor side : Parts on the conductor side being seen from the conductor are stated.

Component side : Parts on the component side being seen from the component are stated.

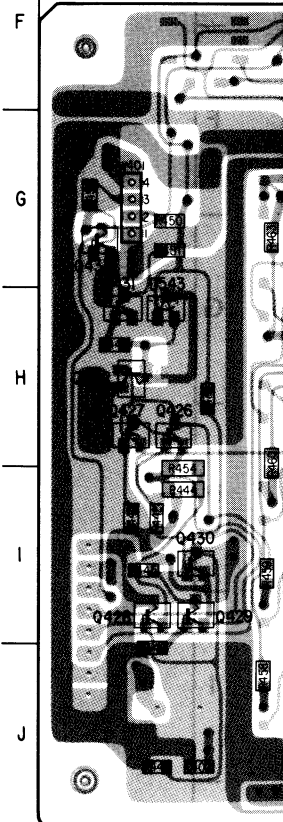
KS-5 Board

CN401	B-1	D471	A-8	D543	H-1
D401	A-6	D472	A-9	D544	J-15
D402	A-6	D473	C-14	D545	J-15
D403	A-7	D474	A-12		
D404	A-8	D475	A-15	IC401	H-13
D405	A-8	D476	B-6	IC402	H-11
D406	A-9	D477	B-6	IC403	I-10
D407	A-4	D478	B-7	IC404	H-11
D408	A-3	D479	B-8	IC405	H-3
D409	A-11	D480	B-8	IC406	H-5
D410	B-6	D481	B-9	IC407	I-3
D411	B-6	D482	C-13		
D412	B-7	D483	B-12	Q401	I-12
D413	B-8	D484	B-15	Q402	I-12
D414	B-8	D485	B-6	Q403	I-10
D415	B-9	D486	B-6	Q404	H-10
D416	B-4	D487	B-7	Q405	J-11
D417	B-3	D488	B-8	Q406	J-11
D418	B-11	D489	B-8	Q407	I-13
D419	B-6	D490	C-9	Q408	I-13
D420	B-6	D491	D-13	D409	H-14
D421	B-7	D492	B-12	Q410	H-14
D422	B-8	D493	B-15	Q411	I-13
D423	B-8	D494	C-6	Q412	I-14
D424	B-9	D495	C-6	Q413	J-14
D425	B-4	D496	C-7	Q414	J-14
D426	B-3	D497	C-8	Q415	J-14
D427	B-11	D498	C-8	Q416	J-14
D428	C-6	D499	C-9	Q417	J-3
D429	C-6	D500	D-13	Q418	J-3
D430	C-7	D501	C-12	Q419	J-3
D431	C-8	D502	C-15	Q420	J-2
D432	C-8	D503	D-6	Q421	J-2
D433	C-9	D504	D-6	Q422	J-2
D434	C-4	D505	D-7	Q423	I-4
D435	C-3	D506	D-8	Q424	J-4
D436	C-11	D507	D-8	Q425	J-3
D437	C-6	D508	D-9	Q426	H-1
D438	C-6	D509	D-13	Q427	H-1
D439	C-7	D510	C-12	Q428	I-1
D440	C-8	D511	C-15	Q429	I-1
D441	C-8	D512	D-6	Q430	I-1
D442	C-9	D513	D-6	Q431	H-1
D443	C-4	D514	D-7	Q432	H-1
D444	C-3	D515	D-8	Q433	G-1
D445	E-4	D516	D-8	Q434	H-12
D446	D-6	D517	D-9	Q435	D-11
D447	D-6	D518	D-13	Q436	F-13
D448	D-7	D519	D-12	Q437	C-11
D449	D-8	D520	D-15	Q438	C-11
D450	D-8	D521	E-12	Q439	D-14
D451	D-9	D522	E-15		
D452	D-4	D523	D-12		
D453	D-3	D524	E-15		
D454	E-5	D525	J-14		
D455	E-10	D526	A-2		
D456	E-11	D527	B-2		
D457	D-10	D528	B-2		
D458	D-11	D529	C-2		
D459	E-1	D530	D-2		
D460	D-13	D531	D-2		
D461	A-2	D532	A-2		
D462	B-2	D533	B-2		
D463	B-2	D534	B-2		
D464	C-2	D535	C-2		
D465	C-2	D536	C-2		
D466	D-2	D537	D-2		
D467	A-6	D538	I-5		
D468	A-6	D539	I-5		
D469	A-7	D540	I-5		
D470	A-8	D541	E-13		
		D542	G-10		

KS-5 BOARD (COMPON



KS-5 BOARD (CONDU



KS-5 (CONTROL SWITCH DISPLAY) PRINTED WIRING BOARD

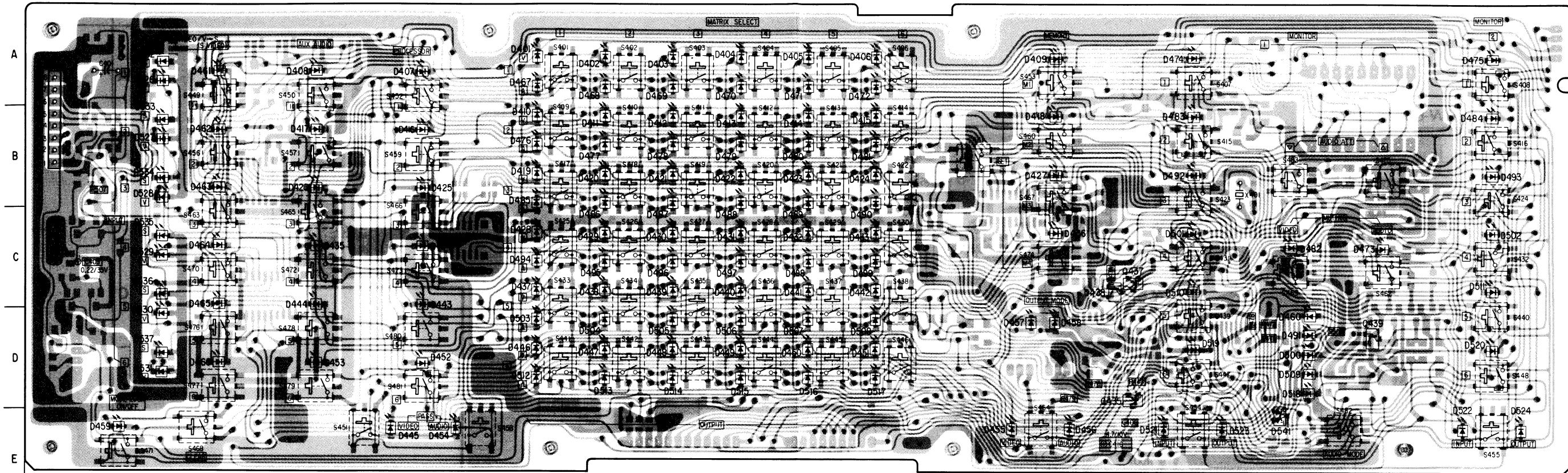
—Ref. No. KS-5 BOARD : 2,000 Series—

KS-5 BOARD (COMPONENT SIDE)

D543 H-1
D544 J-15
D545 J-15

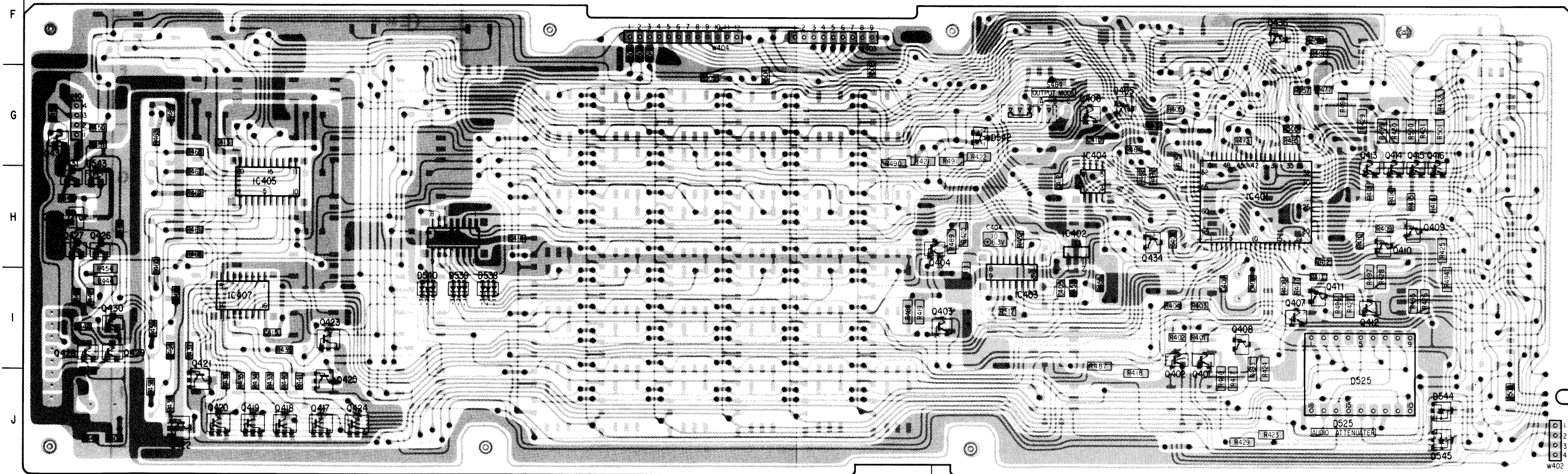
IC401 H-13
IC402 H-11
IC403 I-10
IC404 H-11
IC405 H-3
IC406 H-5
IC407 I-3

Q401 I-12
Q402 I-12
Q403 I-10
Q404 H-10
Q405 J-11
Q406 J-11
Q407 I-13
Q408 I-13
D409 H-14
D410 H-14
Q411 I-13
Q412 I-14
Q413 J-14
Q414 J-14
Q415 J-14
Q416 J-14
Q417 J-3
Q418 J-3
Q419 J-3
Q420 J-2
Q421 J-2
Q422 J-2
Q423 I-4
Q424 J-4
Q425 J-3
Q426 H-1
Q427 H-1
Q428 I-1
Q429 I-1
Q430 I-1
Q431 H-1
Q432 H-1
Q433 G-1
Q434 H-12
Q435 D-11
Q436 F-13
Q437 C-11
Q438 C-11
Q439 D-14

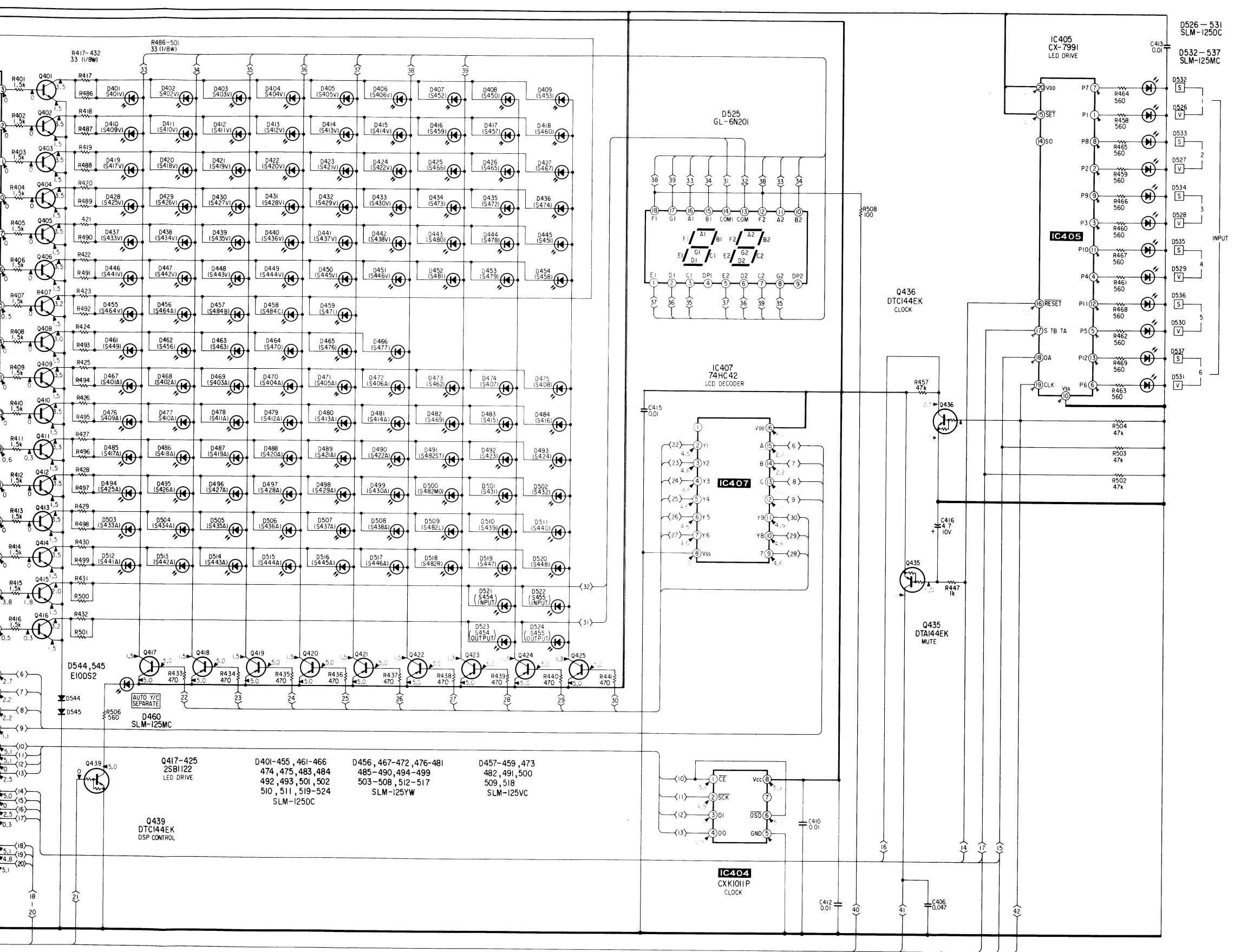


D460 (AUTO Y/C
SEPARATE)
D491 (STEREO)
D500 (MONO)
D509 (LEFT)
D518 (RIGHT)

KS-5 BOARD (CONDUCTOR SIDE)



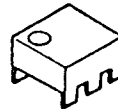
-Ref. No. KS-5 BOARD : 2,000 Series, FD-11 BOARD : 2,000 Series, PD-20 BOARD : 2,000 Series-



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

4-3. SEMICONDUCTORS

BX-1387



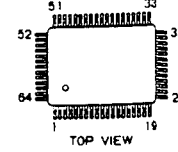
HD74HC42FP
μ PD74HC123AG
μ PD74HC238G



PQ05R04S



μ PD75104G



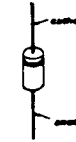
2SD1406-YGR



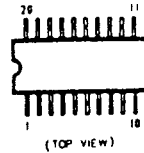
RD9.1E-W



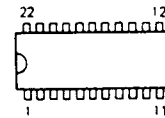
10E-2



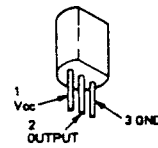
CX-7991



MB8747



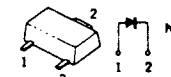
PQ12R04S



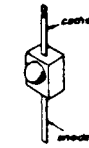
DTA124XS
DTC124XS
DTC144ES
RN1210
2SC2669



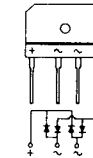
E10DS2



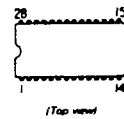
SLM-125DC-C1
SLM-125MC
SLM-125YW
SLM-125VC



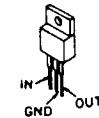
RBV-406H-01



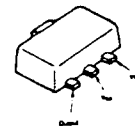
CXA1114P



M5F7805L



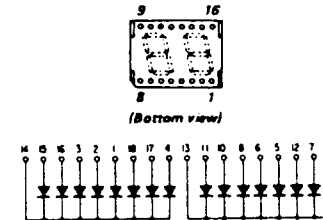
S-8054ALR-LN-S



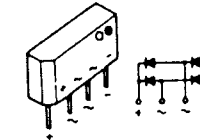
2SA1175-HFE
2SC2785-HFE



GL-6N201



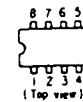
S1VB10



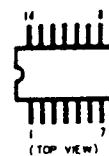
CXK1011M
NJM2230M
μ PC4558G2



NJM2233BM



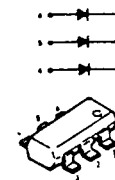
TC4001BF
TC4066BF
TC4069UBF
TC4073BF



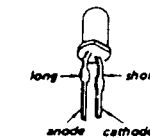
2SA1488-Y



IMN10



TLUR164



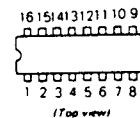
DTA144EK
DTC144EK
FA1L4M-L31
RN2404
2SA812-M5
2SA1162
2SC1623-L5L6
2SC2712-YG



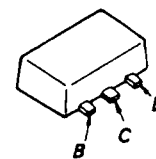
NJM2243S



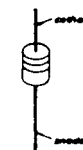
TC4051BF
TC9154AP



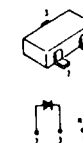
2SB1122-T



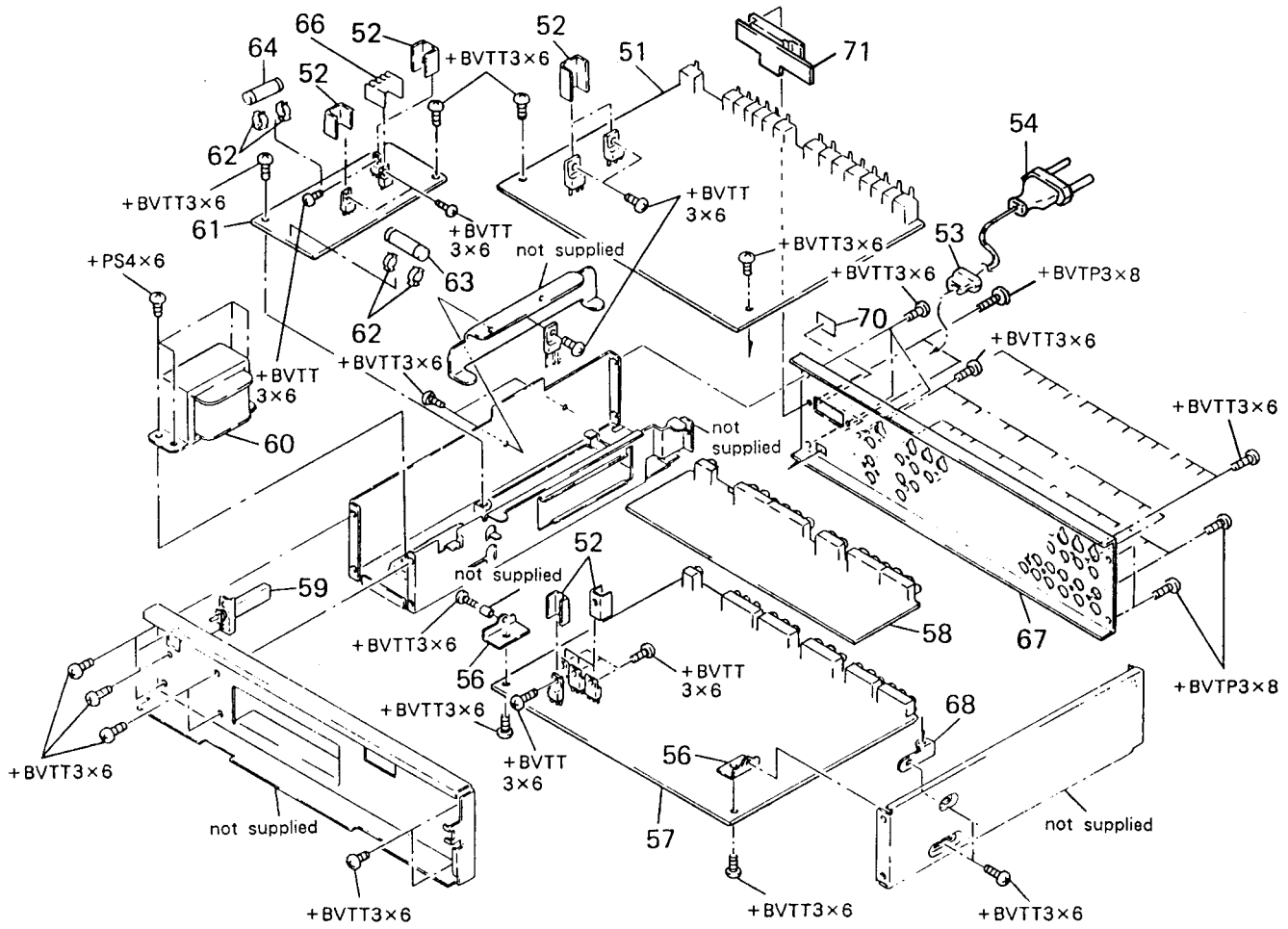
RBV-402-01
RD4.7ES-B2
RD6.8ES-B1
RD6.8ES-B2
RD6.8ES-B3
RD10ES-B2
RD11ES-B2
RD13ES-B2
1SS119



1SS184



5-2. BOARDS AND CHASSIS SECTION



Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	*A-7071-217-A	CY-5 BOARD, COMPLETE		61	*A-7071-218-A	PW-65 (B) BOARD, COMPLETE	
52	*4-875-327-21	HEAT SINK		62	△*1-533-189-11	HOLDER, FUSE	
53	*3-703-244-00	BUSHING (2104), CORD		63	△1-532-745-11	FUSE, GLASS TUBE (3.15A)	
54	△1-555-795-00	CORD, POWER		64	△1-532-453-XX	FUSE, GLASS TUBE (1.25A)	
56	*2-134-116-01	HOLDER, PC BOARD		66	*4-363-146-00	HEAT SINK, V. OUT	
57	*A-7070-784-A	CA-26 BOARD, COMPLETE		67	*2-382-697-21	PLATE, JACK	
58	*A-7070-785-B	RT-13 BOARD, COMPLETE		68	*2-134-134-01	SLIDER	
59	△1-571-877-11	SWITCH, PUSH (AC POWER) (S001)		70	*2-134-141-01	LABEL, MODEL NUMBER (AEP)	
60	△1-450-150-11	TRANSFORMER, POWER		71	A-7071-246-A	CE-11 BOARD, COMPLETE	

SECTION 6

ELECTRICAL PARTS LIST

KS-5

NOTE:

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

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

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- RESISTORS
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- SEMICONDUCTORS
In each case, U: μ , for example:
UA.....: μ A....., UPA.....: μ PA.....,
UPB.....: μ PB....., UPC.....: μ PC.....,
UPD.....: μ PD.....
- CAPACITORS
MF: μ F, PF: μ F
- COILS
MMH: mH, UH: μ H

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
*A-7070-778-A	KS-5 BOARD, COMPLETE	(Ref.No 2,000 Series)		D426	8-719-970-20	DIODE SLM-125DC	
	*****			D427	8-719-970-20	DIODE SLM-125DC	
*3-674-390-00	HOLDER (B), LED			D428	8-719-970-20	DIODE SLM-125DC	
*3-697-607-01	HOLDER (SU), LED			D429	8-719-970-20	DIODE SLM-125DC	
				D430	8-719-970-20	DIODE SLM-125DC	
				D431	8-719-970-20	DIODE SLM-125DC	
				D432	8-719-970-20	DIODE SLM-125DC	
				D433	8-719-970-20	DIODE SLM-125DC	
				D434	8-719-970-20	DIODE SLM-125DC	
				D435	8-719-970-20	DIODE SLM-125DC	
				D436	8-719-970-20	DIODE SLM-125DC	
				D437	8-719-970-20	DIODE SLM-125DC	
				D438	8-719-970-20	DIODE SLM-125DC	
				D439	8-719-970-20	DIODE SLM-125DC	
				D440	8-719-970-20	DIODE SLM-125DC	
				D441	8-719-970-20	DIODE SLM-125DC	
				D442	8-719-970-20	DIODE SLM-125DC	
				D443	8-719-970-20	DIODE SLM-125DC	
				D444	8-719-970-20	DIODE SLM-125DC	
				D445	8-719-970-20	DIODE SLM-125DC	
				D446	8-719-970-20	DIODE SLM-125DC	
				D447	8-719-970-20	DIODE SLM-125DC	
				D448	8-719-970-20	DIODE SLM-125DC	
				D449	8-719-970-20	DIODE SLM-125DC	
				D450	8-719-970-20	DIODE SLM-125DC	
				D451	8-719-970-20	DIODE SLM-125DC	
				D452	8-719-970-20	DIODE SLM-125DC	
				D453	8-719-970-20	DIODE SLM-125DC	
				D454	8-719-970-20	DIODE SLM-125DC	
				D455	8-719-970-20	DIODE SLM-125DC	
				D456	8-719-970-10	DIODE SLM-125YW	
				D457	8-719-946-87	DIODE SLM-125VC	
				D458	8-719-946-87	DIODE SLM-125VC	
				D459	8-719-946-87	DIODE SLM-125VC	
				D460	8-719-946-86	DIODE SLM-125MC	
				D461	8-719-970-20	DIODE SLM-125DC	
				D462	8-719-970-20	DIODE SLM-125DC	
				D463	8-719-970-20	DIODE SLM-125DC	
				D464	8-719-970-20	DIODE SLM-125DC	
				D465	8-719-970-20	DIODE SLM-125DC	
				D466	8-719-970-20	DIODE SLM-125DC	
				D467	8-719-970-10	DIODE SLM-125YW	
				D468	8-719-970-10	DIODE SLM-125YW	
				D469	8-719-970-10	DIODE SLM-125YW	
				D470	8-719-970-10	DIODE SLM-125YW	
				D471	8-719-970-10	DIODE SLM-125YW	
				D472	8-719-970-10	DIODE SLM-125YW	
				D473	8-719-946-87	DIODE SLM-125VC	
				D474	8-719-970-20	DIODE SLM-125DC	
				D475	8-719-970-20	DIODE SLM-125DC	
				D476	8-719-970-10	DIODE SLM-125YW	
				D477	8-719-970-10	DIODE SLM-125YW	
				D478	8-719-970-10	DIODE SLM-125YW	

KS-5

Ref.No	Part No.	Description
D479	8-719-970-10	DIODE SLM-125YW
D480	8-719-970-10	DIODE SLM-125YW
D481	8-719-970-10	DIODE SLM-125YW
D482	8-719-946-87	DIODE SLM-125VC
D483	8-719-970-20	DIODE SLM-125DC
D484	8-719-970-20	DIODE SLM-125DC
D485	8-719-970-10	DIODE SLM-125YW
D486	8-719-970-10	DIODE SLM-125YW
D487	8-719-970-10	DIODE SLM-125YW
D488	8-719-970-10	DIODE SLM-125YW
D489	8-719-970-10	DIODE SLM-125YW
D490	8-719-970-10	DIODE SLM-125YW
D491	8-719-946-87	DIODE SLM-125VC
D492	8-719-970-20	DIODE SLM-125DC
D493	8-719-970-20	DIODE SLM-125DC
D494	8-719-970-10	DIODE SLM-125YW
D495	8-719-970-10	DIODE SLM-125YW
D496	8-719-970-10	DIODE SLM-125YW
D497	8-719-970-10	DIODE SLM-125YW
D498	8-719-970-10	DIODE SLM-125YW
D499	8-719-970-10	DIODE SLM-125YW
D500	8-719-970-10	DIODE SLM-125YW
D501	8-719-970-20	DIODE SLM-125DC
D502	8-719-970-20	DIODE SLM-125DC
D503	8-719-970-10	DIODE SLM-125YW
D504	8-719-970-10	DIODE SLM-125YW
D505	8-719-970-10	DIODE SLM-125YW
D506	8-719-970-10	DIODE SLM-125YW
D507	8-719-970-10	DIODE SLM-125YW
D508	8-719-970-10	DIODE SLM-125YW
D509	8-719-970-10	DIODE SLM-125YW
D510	8-719-970-20	DIODE SLM-125DC
D511	8-719-970-20	DIODE SLM-125DC
D512	8-719-970-10	DIODE SLM-125YW
D513	8-719-970-10	DIODE SLM-125YW
D514	8-719-970-10	DIODE SLM-125YW
D515	8-719-970-10	DIODE SLM-125YW
D516	8-719-970-10	DIODE SLM-125YW
D517	8-719-970-10	DIODE SLM-125YW
D518	8-719-970-10	DIODE SLM-125YW
D519	8-719-970-20	DIODE SLM-125DC
D520	8-719-970-20	DIODE SLM-125DC
D521	8-719-970-20	DIODE SLM-125DC
D522	8-719-970-20	DIODE SLM-125DC
D523	8-719-970-20	DIODE SLM-125DC
D524	8-719-970-20	DIODE SLM-125DC
D525	8-719-962-03	DIODE GL-6N201
D526	8-719-970-20	DIODE SLM-125DC
D527	8-719-970-20	DIODE SLM-125DC
D528	8-719-970-20	DIODE SLM-125DC
D529	8-719-970-20	DIODE SLM-125DC
D530	8-719-970-20	DIODE SLM-125DC
D531	8-719-970-20	DIODE SLM-125DC

Remark	Ref.No	Part No.	Description	Remark
	D532	8-719-946-86	DIODE SLM-125MC	
	D533	8-719-946-86	DIODE SLM-125MC	
	D534	8-719-946-86	DIODE SLM-125MC	
	D535	8-719-946-86	DIODE SLM-125MC	
	D536	8-719-946-86	DIODE SLM-125MC	
	D537	8-719-946-86	DIODE SLM-125MC	
	D538	8-719-951-22	DIODE 1MN10	
	D539	8-719-951-22	DIODE 1MN10	
	D540	8-719-951-22	DIODE 1MN10	
	D541	8-719-801-78	DIODE 1SS184	
	D542	8-719-801-78	DIODE 1SS184	
	D543	8-719-801-78	DIODE 1SS184	
	D544	8-719-200-27	DIODE E10DS2	
	D545	8-719-200-27	DIODE E10DS2	
	<u>IC</u>			
	IC401	8-759-144-89	IC UPD75104G	
	IC402	8-759-946-03	IC S-8054ALR-LN-S	
	IC403	8-759-106-81	IC UPD74HC123AG	
	IC404	8-752-326-33	IC CXK1011M	
	IC405	8-757-991-00	IC CX-7991	
	IC406	8-759-113-24	IC UPD74HC238G	
	IC407	8-759-304-53	IC HD74HC42FP	
	<u>TRANSISTOR</u>			
	Q401	8-729-271-23	TRANSISTOR 2SC2712	
	Q402	8-729-271-23	TRANSISTOR 2SC2712	
	Q403	8-729-271-23	TRANSISTOR 2SC2712	
	Q404	8-729-271-23	TRANSISTOR 2SC2712	
	Q405	8-729-271-23	TRANSISTOR 2SC2712	
	Q406	8-729-271-23	TRANSISTOR 2SC2712	
	Q407	8-729-271-23	TRANSISTOR 2SC2712	
	Q408	8-729-271-23	TRANSISTOR 2SC2712	
	Q409	8-729-271-23	TRANSISTOR 2SC2712	
	Q410	8-729-271-23	TRANSISTOR 2SC2712	
	Q411	8-729-271-23	TRANSISTOR 2SC2712	
	Q412	8-729-271-23	TRANSISTOR 2SC2712	
	Q413	8-729-271-23	TRANSISTOR 2SC2712	
	Q414	8-729-271-23	TRANSISTOR 2SC2712	
	Q415	8-729-271-23	TRANSISTOR 2SC2712	
	Q416	8-729-271-23	TRANSISTOR 2SC2712	
	Q417	8-729-106-60	TRANSISTOR 2SB1122-T	
	Q418	8-729-106-60	TRANSISTOR 2SB1122-T	
	Q419	8-729-106-60	TRANSISTOR 2SB1122-T	
	Q420	8-729-106-60	TRANSISTOR 2SB1122-T	
	Q421	8-729-106-60	TRANSISTOR 2SB1122-T	
	Q422	8-729-106-60	TRANSISTOR 2SB1122-T	
	Q423	8-729-106-60	TRANSISTOR 2SB1122-T	
	Q424	8-729-106-60	TRANSISTOR 2SB1122-T	
	Q425	8-729-106-60	TRANSISTOR 2SB1122-T	
	Q426	8-729-216-22	TRANSISTOR 2SA1162	
	Q427	8-729-216-22	TRANSISTOR 2SA1162	
	Q428	8-729-271-23	TRANSISTOR 2SC2712	

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

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
Q429	8-729-271-23	TRANSISTOR 2SC2712		R441	1-216-041-00	METAL GLAZE 470 5% 1/10W	
Q430	8-729-271-23	TRANSISTOR 2SC2712		R442	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q431	8-729-216-22	TRANSISTOR 2SA1162		R443	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q432	8-729-207-58	TRANSISTOR RN1404		R444	1-216-178-00	METAL GLAZE 150 5% 1/8W	
Q433	8-729-266-93	TRANSISTOR 2SC2669		R445	1-216-041-00	METAL GLAZE 470 5% 1/10W	
Q434	8-729-901-01	TRANSISTOR DTC144EK		R446	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q435	8-729-901-06	TRANSISTOR DTA144EK		R447	1-216-049-95	METAL GLAZE 1K 10% 1/10W	
Q436	8-729-901-01	TRANSISTOR DTC144EK		R448	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q437	8-729-901-06	TRANSISTOR DTA144EK		R449	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q438	8-729-901-01	TRANSISTOR DTC144EK		R450	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
Q439	8-729-901-01	TRANSISTOR DTC144EK		R451	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
<u>RESISTOR</u>				R452	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R401	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R453	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R402	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R454	1-216-178-00	METAL GLAZE 150 5% 1/8W	
R403	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R455	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R404	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R456	1-216-049-95	METAL GLAZE 1K 10% 1/10W	
R405	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R457	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R406	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R458	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R407	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R459	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R408	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R460	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R409	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R461	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R410	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R462	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R411	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R463	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R412	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R464	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R413	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R465	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R414	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R466	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R415	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R467	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R416	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W		R468	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R417	1-216-162-00	METAL GLAZE 33 5% 1/8W		R469	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R418	1-216-162-00	METAL GLAZE 33 5% 1/8W		R470	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
R419	1-216-162-00	METAL GLAZE 33 5% 1/8W		R471	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R420	1-216-162-00	METAL GLAZE 33 5% 1/8W		R472	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R421	1-216-162-00	METAL GLAZE 33 5% 1/8W		R473	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R422	1-216-162-00	METAL GLAZE 33 5% 1/8W		R474	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R423	1-216-162-00	METAL GLAZE 33 5% 1/8W		R475	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R424	1-216-162-00	METAL GLAZE 33 5% 1/8W		R476	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R425	1-216-162-00	METAL GLAZE 33 5% 1/8W		R477	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R426	1-216-162-00	METAL GLAZE 33 5% 1/8W		R478	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R427	1-216-162-00	METAL GLAZE 33 5% 1/8W		R479	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R428	1-216-162-00	METAL GLAZE 33 5% 1/8W		R480	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R429	1-216-162-00	METAL GLAZE 33 5% 1/8W		R481	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R430	1-216-162-00	METAL GLAZE 33 5% 1/8W		R482	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R431	1-216-162-00	METAL GLAZE 33 5% 1/8W		R483	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R432	1-216-162-00	METAL GLAZE 33 5% 1/8W		R484	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R433	1-216-041-00	METAL GLAZE 470 5% 1/10W		R485	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R434	1-216-041-00	METAL GLAZE 470 5% 1/10W		R486	1-216-162-00	METAL GLAZE 33 5% 1/8W	
R435	1-216-041-00	METAL GLAZE 470 5% 1/10W		R487	1-216-162-00	METAL GLAZE 33 5% 1/8W	
R436	1-216-041-00	METAL GLAZE 470 5% 1/10W		R488	1-216-162-00	METAL GLAZE 33 5% 1/8W	
R437	1-216-041-00	METAL GLAZE 470 5% 1/10W		R489	1-216-162-00	METAL GLAZE 33 5% 1/8W	
R438	1-216-041-00	METAL GLAZE 470 5% 1/10W		R490	1-216-162-00	METAL GLAZE 33 5% 1/8W	
R439	1-216-041-00	METAL GLAZE 470 5% 1/10W		R491	1-216-162-00	METAL GLAZE 33 5% 1/8W	
R440	1-216-041-00	METAL GLAZE 470 5% 1/10W		R492	1-216-162-00	METAL GLAZE 33 5% 1/8W	
				R493	1-216-162-00	METAL GLAZE 33 5% 1/8W	

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

KS-5

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
R494	1-216-162-00	METAL GLAZE 33 5% 1/8W		S433	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 5-1)	
R495	1-216-162-00	METAL GLAZE 33 5% 1/8W		S434	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 5-2)	
R496	1-216-162-00	METAL GLAZE 33 5% 1/8W		S435	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 5-3)	
R497	1-216-162-00	METAL GLAZE 33 5% 1/8W		S436	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 5-4)	
R498	1-216-162-00	METAL GLAZE 33 5% 1/8W		S437	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 5-5)	
R499	1-216-162-00	METAL GLAZE 33 5% 1/8W		S438	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 5-6)	
R500	1-216-162-00	METAL GLAZE 33 5% 1/8W		S439	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 1-5)	
R501	1-216-162-00	METAL GLAZE 33 5% 1/8W		S440	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 2-5)	
R502	1-216-089-00	METAL GLAZE 47K 5% 1/10W		S441	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 6-1)	
R503	1-216-089-00	METAL GLAZE 47K 5% 1/10W		S442	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 6-2)	
R504	1-216-089-00	METAL GLAZE 47K 5% 1/10W		S443	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 6-3)	
R505	1-216-089-00	METAL GLAZE 47K 5% 1/10W		S444	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 6-4)	
R506	1-216-043-00	METAL GLAZE 560 5% 1/10W		S445	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 6-5)	
R507	1-216-089-00	METAL GLAZE 47K 5% 1/10W		S446	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 6-6)	
R508	1-216-025-00	METAL GLAZE 100 5% 1/10W		S447	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 1-6)	
R509	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		S448	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 2-6)	
R510	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		S449	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(VIDEO S/V 1)	
R511	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		S450	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(AUX AUDIO)	
R512	1-216-097-00	METAL GLAZE 100K 5% 1/10W		S451	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(PASS VIDEO)	
				S452	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(PROCESSOR 1)	
		SWITCH		S453	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MEMORY M1)	
S401	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 1-1)		S454	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)	
S402	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 1-2)				(MONITOR 1 INPUT/OUTPUT)	
S403	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 1-3)		S455	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)	
S404	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 1-4)				(MONITOR 2 INPUT/OUTPUT)	
S405	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 1-5)		S456	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(VIDEO S/V 2)	
S406	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 1-6)		S457	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(AUX AUDIO 2)	
S407	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 1-1)		S458	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(PASS AUDIO)	
S408	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 2-1)		S459	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(PROCESSOR 2)	
S409	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 2-1)		S460	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MEMORY M2)	
S410	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 2-2)		S461	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(SET)	
S411	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 2-3)		S462	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)	
S412	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 2-4)				(MUTING AUDIO)	
S413	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 2-5)		S463	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(VIDEO S/V 3)	
S414	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 2-6)		S464	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(VIDEO/AUDIO)	
S415	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 1-2)		S465	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(AUX AUDIO 3)	
S416	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 2-2)		S466	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(PROCESSOR 3)	
S417	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 3-1)		S467	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MEMORY M3)	
S418	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 3-2)		S468	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(CLEAR)	
S419	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 3-3)		S469	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)	
S420	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 3-4)				(MUTING VIDEO)	
S421	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 3-5)		S470	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(VIDEO S/V 4)	
S422	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 3-6)		S471	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)	
S423	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 1-3)				(MODE LOCK ON/OFF)	
S424	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 2-3)		S472	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(AUX AUDIO 4)	
S425	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 4-1)		S473	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(PROCESSOR 4)	
				S474	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MEMORY M4)	
S426	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 4-2)		S475	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(AUTO ATT ▲)	
S427	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 4-3)		S476	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(VIDEO S/V 5)	
S428	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 4-4)		S477	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(VIDEO S/V 6)	
S429	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 4-5)		S478	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(AUX AUDIO 5)	
S430	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MATRIX 4-6)		S479	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(AUX AUDIO 6)	
S431	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 1-4)		S480	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(PROCESSOR 5)	
S432	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE)(MONITOR 2-4)					

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

KS-5

FD-11

PD-20

FY-4

FT-40

RT-13

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
S481	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE) (PROCESSOR 6)		<u>JACK</u>			
S482	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE) (AUDIO MODE)		J001	1-507-637-00	JACK, PIN 6P (VIDEO/AUDIO)	
S483	1-570-909-21	SWITCH, TACTIL (REFLOW TYPE) (AUDIO ATT▼)		*****			
S484	1-570-854-11	SWITCH, SLIDE (OUTPUT MODE)		*A-7070-785-B	RT-13 BOARD, COMPLETE (Ref.No 100 Series)		
<u>CRYSTAL</u>				1-507-845-71	JACK, PIN (A)		
X401	1-567-170-00	OSCILLATOR, CERAMIC		1-563-523-51	JACK, PIN 2P		
*****				*1-629-493-11	RT-13 BOARD		
*1-629-491-11	FD-11 BOARD (Ref.No 2000 Series)			<u>CAPACITOR</u>			
*****				C001	1-124-239-00	ELECT 6.8MF	20% 25V
<u>DIODE</u>				C002	1-126-162-11	ELECT 3.3MF	20% 25V
D546	8-719-800-56	DIODE TLUR164		C003	1-126-162-11	ELECT 3.3MF	20% 25V
<u>SWITCH</u>				C004	1-126-157-11	ELECT 10MF	20% 16V
S485	1-553-856-00	SWITCH, KEY BOARD (FRONT/REAR)		C005	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
*****				C006	1-124-239-00	ELECT 6.8MF	20% 25V
*1-629-492-11	PD-20 BOARD (Ref.No 2000 Series)			C007	1-126-162-11	ELECT 3.3MF	20% 25V
*****				C008	1-126-162-11	ELECT 3.3MF	20% 25V
<u>DIODE</u>				C009	1-126-157-11	ELECT 10MF	20% 16V
D547	8-719-800-56	DIODE TLUR164		C010	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
<u>IC</u>				C011	1-124-239-00	ELECT 6.8MF	20% 25V
IC408	8-741-138-70	IC BX-1387		C012	1-126-162-11	ELECT 3.3MF	20% 25V
*****				C013	1-126-162-11	ELECT 3.3MF	20% 25V
*1-629-496-11	FY-4 BOARD (Ref.No 300 Series)			C014	1-126-157-11	ELECT 10MF	20% 16V
*****				C015	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
*2-134-129-01	PLATE, BLIND, JACK			C016	1-124-239-00	ELECT 6.8MF	20% 25V
<u>DIODE</u>				C017	1-126-162-11	ELECT 3.3MF	20% 25V
D001	8-719-108-12	DIODE RD9.1EW		C018	1-126-162-11	ELECT 3.3MF	20% 25V
D002	8-719-108-12	DIODE RD9.1EW		C019	1-126-157-11	ELECT 10MF	20% 16V
<u>JACK</u>				C020	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
J001	1-566-850-21	CONNECTOR, (S) TERMINAL 4P (S VIDEO IN)		C021	1-124-239-00	ELECT 6.8MF	20% 25V
J002	1-566-850-21	CONNECTOR, (S) TERMINAL 4P (S VIDEO OUT)		C022	1-126-162-11	ELECT 3.3MF	20% 25V
*****				C023	1-126-162-11	ELECT 3.3MF	20% 25V
*1-629-494-11	FT-40 BOARD (Ref.No 300 Series)			C024	1-126-157-11	ELECT 10MF	20% 16V
*****				C025	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
<u>DIODE</u>				C026	1-124-239-00	ELECT 6.8MF	20% 25V
D001	8-719-108-12	DIODE RD9.1EW		C027	1-126-162-11	ELECT 3.3MF	20% 25V
D002	8-719-108-12	DIODE RD9.1EW		C028	1-126-162-11	ELECT 3.3MF	20% 25V
D003	8-719-108-12	DIODE RD9.1EW		C029	1-126-157-11	ELECT 10MF	20% 16V
				C030	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
				C031	1-124-239-00	ELECT 6.8MF	20% 25V
				C032	1-126-162-11	ELECT 3.3MF	20% 25V
				C033	1-126-162-11	ELECT 3.3MF	20% 25V
				C034	1-126-157-11	ELECT 10MF	20% 16V
				C035	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
				C036	1-124-239-00	ELECT 6.8MF	20% 25V
				C037	1-126-162-11	ELECT 3.3MF	20% 25V
				C038	1-126-162-11	ELECT 3.3MF	20% 25V
				C039	1-126-157-11	ELECT 10MF	20% 16V
				C040	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V

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

RT-13

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

RT-13

CY-5

Ref.No	Part No.	Description	Remark				Ref.No	Part No.	Description	Remark			
R033	1-216-105-00	METAL GLAZE	220K	5%	1/10W		C008	1-126-160-11	ELECT	1MF	20%	50V	
R034	1-216-073-00	METAL GLAZE	10K	5%	1/10W		C009	1-126-157-11	ELECT	10MF	20%	16V	
R035	1-216-081-00	METAL GLAZE	22K	5%	1/10W		C010	1-124-589-11	ELECT	47MF	20%	16V	
R036	1-216-073-00	METAL GLAZE	10K	5%	1/10W		C011	1-126-160-11	ELECT	1MF	20%	50V	
R037	1-216-105-00	METAL GLAZE	220K	5%	1/10W		C012	1-126-160-11	ELECT	1MF	20%	50V	
R038	1-216-073-00	METAL GLAZE	10K	5%	1/10W		C013	1-126-157-11	ELECT	10MF	20%	16V	
R039	1-216-081-00	METAL GLAZE	22K	5%	1/10W		C014	1-124-589-11	ELECT	47MF	20%	16V	
R040	1-216-073-00	METAL GLAZE	10K	5%	1/10W		C015	1-126-160-11	ELECT	1MF	20%	50V	
R041	1-216-105-00	METAL GLAZE	220K	5%	1/10W		C016	1-126-160-11	ELECT	1MF	20%	50V	
R042	1-216-073-00	METAL GLAZE	10K	5%	1/10W		C017	1-126-157-11	ELECT	10MF	20%	16V	
R043	1-216-081-00	METAL GLAZE	22K	5%	1/10W		C018	1-124-589-11	ELECT	47MF	20%	16V	
R044	1-216-073-00	METAL GLAZE	10K	5%	1/10W		C019	1-126-160-11	ELECT	1MF	20%	50V	
R045	1-216-105-00	METAL GLAZE	220K	5%	1/10W		C020	1-126-160-11	ELECT	1MF	20%	50V	
R046	1-216-073-00	METAL GLAZE	10K	5%	1/10W		C021	1-126-157-11	ELECT	10MF	20%	16V	
R047	1-216-081-00	METAL GLAZE	22K	5%	1/10W		C022	1-124-589-11	ELECT	47MF	20%	16V	
R048	1-216-073-00	METAL GLAZE	10K	5%	1/10W		C023	1-124-589-11	ELECT	47MF	20%	16V	
R049	1-216-073-00	METAL GLAZE	10K	5%	1/10W		C023	1-126-160-11	ELECT	1MF	20%	50V	
R050	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W		C024	1-126-160-11	ELECT	1MF	20%	50V	
R051	1-216-097-00	METAL GLAZE	100K	5%	1/10W		C025	1-126-157-11	ELECT	10MF	20%	16V	
R052	1-216-097-00	METAL GLAZE	100K	5%	1/10W		C026	1-124-589-11	ELECT	47MF	20%	16V	
R053	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W		C027	1-126-160-11	ELECT	1MF	20%	50V	
R054	1-216-022-00	METAL GLAZE	75	5%	1/10W		C028	1-126-160-11	ELECT	1MF	20%	50V	
R055	1-216-022-00	METAL GLAZE	75	5%	1/10W		C029	1-126-160-11	ELECT	1MF	20%	50V	
R056	1-216-022-00	METAL GLAZE	75	5%	1/10W		C030	1-126-157-11	ELECT	10MF	20%	16V	
R057	1-216-022-00	METAL GLAZE	75	5%	1/10W		C031	1-124-589-11	ELECT	47MF	20%	16V	
R058	1-216-022-00	METAL GLAZE	75	5%	1/10W		C032	1-124-589-11	ELECT	47MF	20%	16V	
R059	1-216-022-00	METAL GLAZE	75	5%	1/10W		C033	1-126-160-11	ELECT	1MF	20%	50V	
R060	1-216-022-00	METAL GLAZE	75	5%	1/10W		C100	1-124-589-11	ELECT	47MF	20%	16V	
R061	1-216-021-00	METAL GLAZE	68	5%	1/10W		C102	1-124-589-11	ELECT	47MF	20%	16V	
R062	1-216-021-00	METAL GLAZE	68	5%	1/10W		C104	1-124-589-11	ELECT	47MF	20%	16V	
R063	1-216-021-00	METAL GLAZE	68	5%	1/10W		C106	1-124-589-11	ELECT	47MF	20%	16V	
R064	1-216-021-00	METAL GLAZE	68	5%	1/10W		C108	1-124-589-11	ELECT	47MF	20%	16V	
R065	1-216-021-00	METAL GLAZE	68	5%	1/10W		C110	1-124-589-11	ELECT	47MF	20%	16V	
R066	1-216-021-00	METAL GLAZE	68	5%	1/10W		C112	1-124-589-11	ELECT	47MF	20%	16V	
R067	1-216-021-00	METAL GLAZE	68	5%	1/10W		C114	1-126-101-11	ELECT	100MF	20%	16V	
R068	1-216-021-00	METAL GLAZE	68	5%	1/10W		C115	1-126-101-11	ELECT	100MF	20%	16V	
R069	1-216-021-00	METAL GLAZE	68	5%	1/10W		C116	1-126-101-11	ELECT	100MF	20%	16V	

*A-7071-217-A		CY-5 BOARD, COMPLETE (Ref.No 1,000 Series)											

3-712-106-01		REINFORCEMENT (333)											
*4-875-327-21		HEAT SINK											
7-682-547-04		SCREW +BVT 3X6 (S)											
CAPACITOR													
C001	1-126-101-11	ELECT	100MF	20%	16V		C127	1-124-589-11	ELECT	47MF	20%	16V	
C002	1-126-101-11	ELECT	100MF	20%	16V		C129	1-124-589-11	ELECT	47MF	20%	16V	
C004	1-126-101-11	ELECT	100MF	20%	16V		C130	1-126-101-11	ELECT	100MF	20%	16V	
C005	1-126-101-11	ELECT	100MF	20%	16V		C131	1-124-473-11	ELECT	1000MF	20%	10V	
C006	1-126-096-11	ELECT	10MF	20%	25V		C133	1-124-589-11	ELECT	47MF	20%	16V	
C007	1-124-589-11	ELECT	47MF	20%	16V		C135	1-124-589-11	ELECT	47MF	20%	16V	
							C136	1-126-101-11	ELECT	100MF	20%	16V	
							C137	1-124-473-11	ELECT	1000MF	20%	10V	

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

CY-5

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
C139	1-124-589-11	ELECT 47MF	20% 16V	C227	1-126-101-11	ELECT 100MF	20% 16V
C141	1-124-589-11	ELECT 47MF	20% 16V	C228	1-124-473-11	ELECT 1000MF	20% 10V
C142	1-126-101-11	ELECT 100MF	20% 16V	C230	1-124-589-11	ELECT 47MF	20% 16V
C143	1-124-473-11	ELECT 1000MF	20% 10V	C232	1-124-589-11	ELECT 47MF	20% 16V
C145	1-124-589-11	ELECT 47MF	20% 16V	C233	1-126-101-11	ELECT 100MF	20% 16V
C147	1-124-589-11	ELECT 47MF	20% 16V	C234	1-124-473-11	ELECT 1000MF	20% 10V
C148	1-126-101-11	ELECT 100MF	20% 16V	C236	1-124-589-11	ELECT 47MF	20% 16V
C150	1-124-589-11	ELECT 47MF	20% 16V	C238	1-124-589-11	ELECT 47MF	20% 16V
C152	1-124-589-11	ELECT 47MF	20% 16V	C239	1-126-101-11	ELECT 100MF	20% 16V
C153	1-126-101-11	ELECT 100MF	20% 16V	C240	1-124-473-11	ELECT 1000MF	20% 10V
C154	1-124-473-11	ELECT 1000MF	20% 10V	C242	1-124-589-11	ELECT 47MF	20% 16V
C156	1-124-589-11	ELECT 47MF	20% 16V	C244	1-124-589-11	ELECT 47MF	20% 16V
C158	1-124-589-11	ELECT 47MF	20% 16V	C245	1-126-101-11	ELECT 100MF	20% 16V
C159	1-126-101-11	ELECT 100MF	20% 16V	C246	1-124-473-11	ELECT 1000MF	20% 10V
C160	1-124-473-11	ELECT 1000MF	20% 10V	C248	1-124-589-11	ELECT 47MF	20% 16V
C162	1-124-589-11	ELECT 47MF	20% 16V	C250	1-124-589-11	ELECT 47MF	20% 16V
C164	1-124-589-11	ELECT 47MF	20% 16V	C251	1-126-101-11	ELECT 100MF	20% 16V
C165	1-126-101-11	ELECT 100MF	20% 16V	C252	1-124-473-11	ELECT 1000MF	20% 10V
C166	1-124-473-11	ELECT 1000MF	20% 10V	C254	1-124-589-11	ELECT 47MF	20% 16V
C168	1-124-589-11	ELECT 47MF	20% 16V	C256	1-124-589-11	ELECT 47MF	20% 16V
C170	1-124-589-11	ELECT 47MF	20% 16V	C257	1-126-101-11	ELECT 100MF	20% 16V
C171	1-126-101-11	ELECT 100MF	20% 16V	C258	1-124-473-11	ELECT 1000MF	20% 10V
C172	1-124-473-11	ELECT 1000MF	20% 10V	C259	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C174	1-124-589-11	ELECT 47MF	20% 16V	C260	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C176	1-124-589-11	ELECT 47MF	20% 16V	C261	1-126-101-11	ELECT 100MF	20% 16V
C177	1-126-101-11	ELECT 100MF	20% 16V	C266	1-124-589-11	ELECT 47MF	20% 16V
C178	1-124-473-11	ELECT 1000MF	20% 10V	C267	1-124-589-11	ELECT 47MF	20% 16V
C193	1-126-101-11	ELECT 100MF	20% 16V	C268	1-124-589-11	ELECT 47MF	20% 16V
C194	1-126-101-11	ELECT 100MF	20% 16V	C269	1-126-101-11	ELECT 100MF	20% 16V
C195	1-126-101-11	ELECT 100MF	20% 16V	C270	1-124-473-11	ELECT 1000MF	20% 10V
C196	1-126-101-11	ELECT 100MF	20% 16V	C273	1-124-589-11	ELECT 47MF	20% 16V
C197	1-126-101-11	ELECT 100MF	20% 16V	C274	1-124-589-11	ELECT 47MF	20% 16V
C198	1-126-101-11	ELECT 100MF	20% 16V	C275	1-126-101-11	ELECT 100MF	20% 16V
C199	1-126-101-11	ELECT 100MF	20% 16V	C276	1-124-473-11	ELECT 1000MF	20% 10V
C200	1-126-101-11	ELECT 100MF	20% 16V	C277	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C201	1-126-101-11	ELECT 100MF	20% 16V	C278	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C202	1-126-101-11	ELECT 100MF	20% 16V	C279	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C203	1-126-101-11	ELECT 100MF	20% 16V	C280	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C204	1-126-101-11	ELECT 100MF	20% 16V	C281	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C206	1-124-589-11	ELECT 47MF	20% 16V	C282	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C208	1-124-589-11	ELECT 47MF	20% 16V	C283	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C209	1-126-101-11	ELECT 100MF	20% 16V	C284	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C210	1-124-473-11	ELECT 1000MF	20% 10V	C285	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C212	1-124-589-11	ELECT 47MF	20% 16V	C286	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C214	1-124-589-11	ELECT 47MF	20% 16V	C287	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C215	1-126-101-11	ELECT 100MF	20% 16V	C288	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C216	1-124-473-11	ELECT 1000MF	20% 10V	C289	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C218	1-124-589-11	ELECT 47MF	20% 16V	C290	1-163-110-00	CERAMIC CHIP 51PF	5% 50V
C220	1-124-589-11	ELECT 47MF	20% 16V	C291	1-126-157-11	ELECT 10MF	20% 16V
C221	1-126-101-11	ELECT 100MF	20% 16V	C292	1-126-160-11	ELECT 1MF	20% 50V
C222	1-124-473-11	ELECT 1000MF	20% 10V	C297	1-124-589-11	ELECT 47MF	20% 16V
C224	1-124-589-11	ELECT 47MF	20% 16V	C298	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C226	1-124-589-11	ELECT 47MF	20% 16V	C299	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V

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

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
C300	1-163-110-00	CERAMIC CHIP 51PF	5% 50V	C548	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C301	1-163-110-00	CERAMIC CHIP 51PF	5% 50V	C556	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C302	1-163-110-00	CERAMIC CHIP 51PF	5% 50V	C557	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C303	1-163-110-00	CERAMIC CHIP 51PF	5% 50V	C558	1-126-096-11	ELECT 10MF	20% 25V
C304	1-163-110-00	CERAMIC CHIP 51PF	5% 50V	C559	1-126-096-11	ELECT 10MF	20% 25V
C305	1-163-110-00	CERAMIC CHIP 51PF	5% 50V	C560	1-124-120-11	ELECT 220MF	20% 16V
C306	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V	C570	1-124-589-11	ELECT 47MF	20% 16V
C307	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V	C571	1-124-589-11	ELECT 47MF	20% 16V
C308	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V	C585	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C309	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V	C586	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C351	1-124-473-11	ELECT 1000MF	20% 10V	C587	1-126-096-11	ELECT 10MF	20% 25V
C352	1-126-160-11	ELECT 1MF	20% 50V	C588	1-126-096-11	ELECT 10MF	20% 25V
C500	1-126-096-11	ELECT 10MF	20% 25V	C589	1-124-120-11	ELECT 220MF	20% 16V
C501	1-126-096-11	ELECT 10MF	20% 25V	C599	1-124-589-11	ELECT 47MF	20% 16V
C502	1-124-120-11	ELECT 220MF	20% 16V	C613	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C503	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C614	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C504	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	C615	1-126-160-11	ELECT 1MF	20% 50V
C505	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C620	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
C506	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	<u>CONNECTOR</u>			
C507	1-124-589-11	ELECT 47MF	20% 16V	CN001	*1-560-894-00	PIN, CONNECTOR 6P	
C508	1-124-589-11	ELECT 47MF	20% 16V	CN002	1-506-477-11	PIN, CONNECTOR 12P	
C509	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	CN003	1-506-473-11	PIN, CONNECTOR 8P	
C510	1-163-123-00	CERAMIC CHIP 180PF	5% 50V	CN004	1-506-469-11	PIN, CONNECTOR 4P	
C511	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	CN005	1-506-477-11	PIN, CONNECTOR 12P	
C512	1-124-589-11	ELECT 47MF	20% 16V	CN006	*1-564-001-21	PIN, CONNECTOR 2P	
C513	1-124-589-11	ELECT 47MF	20% 16V	CN007	1-506-469-11	PIN, CONNECTOR 4P	
C514	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	CN008	1-506-469-11	PIN, CONNECTOR 4P	
C515	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	CN009	1-506-469-11	PIN, CONNECTOR 4P	
C516	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	CN010	1-506-469-11	PIN, CONNECTOR 4P	
C517	1-124-589-11	ELECT 47MF	20% 16V	CN011	1-506-467-11	PIN, CONNECTOR 2P	
C518	1-124-589-11	ELECT 47MF	20% 16V	<u>DIODE</u>			
C520	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	D001	8-719-110-17	DIODE RD10ES-82	
C521	1-163-123-00	CERAMIC CHIP 180PF	5% 50V	D002	8-719-110-17	DIODE RD10ES-82	
C522	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	D003	8-719-109-96	DIODE RD6.BES-B1	
C523	1-163-123-00	CERAMIC CHIP 180PF	5% 50V	D004	8-719-911-19	DIODE 1SS119	
C524	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D005	8-719-911-19	DIODE 1SS119	
C525	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	D006	8-719-911-19	DIODE 1SS119	
C526	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D007	8-719-911-19	DIODE 1SS119	
C527	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	<u>CONNECTOR</u>			
C528	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	FB003	1-574-448-11	WIRE, FLAT TYPE 13P	
C529	1-126-096-11	ELECT 10MF	20% 25V	FB005	1-574-450-11	WIRE, FLAT TYPE 19P	
C530	1-126-096-11	ELECT 10MF	20% 25V	<u>FILTER</u>			
C531	1-124-120-11	ELECT 220MF	20% 16V	FL500	1-409-470-11	FILTER, TRAP	
C532	1-124-589-11	ELECT 47MF	20% 16V	FL501	1-409-470-11	FILTER, TRAP	
C533	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	FL502	1-409-470-11	FILTER, TRAP	
C534	1-163-123-00	CERAMIC CHIP 180PF	5% 50V	FL503	1-409-470-11	FILTER, TRAP	
C535	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V				
C536	1-163-119-00	CERAMIC CHIP 120PF	5% 50V				
C537	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V				
C538	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V				
C539	1-124-589-11	ELECT 47MF	20% 16V				
C540	1-124-589-11	ELECT 47MF	20% 16V				
C541	1-124-589-11	ELECT 47MF	20% 16V				
C542	1-124-589-11	ELECT 47MF	20% 16V				
C547	1-124-589-11	ELECT 47MF	20% 16V				

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

CY-5

Ref.No	Part No.	Description
<u>IC</u>		
IC001	8-752-032-27	IC CXA1114P
IC002	8-752-032-27	IC CXA1114P
IC003	8-752-032-27	IC CXA1114P
IC004	8-752-032-27	IC CXA1114P
IC005	8-752-032-27	IC CXA1114P
IC006	8-752-032-27	IC CXA1114P
IC007	8-759-710-31	IC NJM2243S
IC008	8-759-710-31	IC NJM2243S
IC009	8-759-710-31	IC NJM2243S
IC010	8-759-710-31	IC NJM2243S
IC011	8-759-710-31	IC NJM2243S
IC012	8-759-710-31	IC NJM2243S
IC013	8-759-710-31	IC NJM2243S
IC014	8-759-710-31	IC NJM2243S
IC015	8-759-710-31	IC NJM2243S
IC016	8-752-032-27	IC CXA1114P
IC017	8-752-032-27	IC CXA1114P
IC018	8-752-032-27	IC CXA1114P
IC019	8-752-032-27	IC CXA1114P
IC020	8-752-032-27	IC CXA1114P
IC021	8-752-032-27	IC CXA1114P
IC022	8-759-710-31	IC NJM2243S
IC023	8-759-710-31	IC NJM2243S
IC024	8-759-710-31	IC NJM2243S
IC025	8-759-710-31	IC NJM2243S
IC026	8-759-710-31	IC NJM2243S
IC027	8-759-710-31	IC NJM2243S
IC028	8-759-710-31	IC NJM2243S
IC029	8-759-710-31	IC NJM2243S
IC030	8-759-710-31	IC NJM2243S
IC043	8-759-710-09	IC NJM2233AM
IC044	8-759-710-09	IC NJM2233AM
IC045	8-759-710-09	IC NJM2233AM
IC046	8-759-710-09	IC NJM2233AM
IC047	8-759-710-09	IC NJM2233AM
IC048	8-759-710-09	IC NJM2233AM
IC049	8-759-710-09	IC NJM2233AM
IC050	8-759-710-09	IC NJM2233AM
IC051	8-759-710-09	IC NJM2233AM
IC052	8-759-710-09	IC NJM2233AM
IC053	8-759-710-09	IC NJM2233AM
IC054	8-759-710-09	IC NJM2233AM
IC056	8-759-710-09	IC NJM2233AM
IC058	8-759-208-07	IC TC4051BF
IC059	8-757-991-00	IC CX-7991
IC060	8-757-991-00	IC CX-7991
IC061	8-759-200-67	IC TC4001BF
IC062	8-759-710-31	IC NJM2243S
IC063	8-759-710-31	IC NJM2243S
IC064	8-759-710-09	IC NJM2233AM

Remark	Ref.No	Part No.	Description	Remark
	IC500	8-759-710-09	IC NJM2233AM	
	IC501	8-759-710-09	IC NJM2233AM	
	IC502	8-759-710-09	IC NJM2233AM	
	IC503	8-759-710-09	IC NJM2233AM	
	IC504	8-759-710-86	IC NJM2233BM	
	IC555	8-759-710-09	IC NJM2233AM	
<u>JACK</u>				
	J001	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (INPUT S VIDEO 1)	
	J002	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (INPUT S VIDEO 2)	
	J003	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (INPUT S VIDEO 3)	
	J004	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (INPUT S VIDEO 4)	
	J005	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (INPUT S VIDEO 5)	
	J006	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (INPUT S VIDEO 6)	
	J007	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (PROCESSOR S VIDEO IN)	
	J008	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (OUTPUT S VIDEO 1)	
	J009	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (OUTPUT S VIDEO 2)	
	J010	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (OUTPUT S VIDEO 3)	
	J011	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (OUTPUT S VIDEO 4)	
	J012	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (OUTPUT S VIDEO 5)	
	J013	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (OUTPUT S VIDEO 6)	
	J015	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (MONITOR OUT S VIDEO 2)	
	J016	1-566-847-21	CONNECTOR, (S) TERMINAL 4P (PROCESSOR S VIDEO OUT)	
<u>COIL</u>				
	L500	1-408-420-00	INDUCTOR 82UH	
	L501	1-410-468-11	INDUCTOR 6.8UH	
	L502	1-408-420-00	INDUCTOR 82UH	
	L503	1-410-468-11	INDUCTOR 6.8UH	
	L504	1-408-420-00	INDUCTOR 82UH	
	L505	1-410-468-11	INDUCTOR 6.8UH	
	L506	1-408-420-00	INDUCTOR 82UH	
	L507	1-410-468-11	INDUCTOR 6.8UH	

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

CY-5

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
TRANSISTOR				RESISTOR			
Q001	8-729-231-60	TRANSISTOR 2SD1406-YGR		R001	△ 1-212-942-00	FUSIBLE 2.2 5% 1/2W F	
Q002	8-729-231-60	TRANSISTOR 2SD1406-YGR		R002	△ 1-212-889-00	FUSIBLE 220 5% 1/4W F	
Q043	8-729-112-97	TRANSISTOR FA1L4M-L31		R003	△ 1-212-942-00	FUSIBLE 2.2 5% 1/2W F	
Q044	8-729-112-97	TRANSISTOR FA1L4M-L31		R004	△ 1-212-889-00	FUSIBLE 220 5% 1/4W F	
Q044	8-729-207-58	TRANSISTOR RN1404		R005	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q500	8-729-216-22	TRANSISTOR 2SA1162		R006	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q501	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R007	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q502	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R008	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q503	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R009	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q504	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R010	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q505	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R011	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q506	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R012	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q507	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R013	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q508	8-729-216-22	TRANSISTOR 2SA1162		R014	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q509	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R015	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q510	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R016	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q511	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R017	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q512	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R018	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q513	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R020	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q514	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R021	1-216-022-00	METAL GLAZE 75 5% 1/10W	
Q515	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R022	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q516	8-729-216-22	TRANSISTOR 2SA1162		R023	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q517	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R134	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q518	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R135	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q519	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R136	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q520	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R137	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q521	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R138	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q522	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R139	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q523	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R140	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q524	8-729-216-22	TRANSISTOR 2SA1162		R141	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q525	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R142	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q526	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R143	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q527	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R144	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q528	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R145	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q529	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R146	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q530	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R147	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q531	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R148	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q532	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R149	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q533	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R150	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q534	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R151	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q535	8-729-120-28	TRANSISTOR 2SC1623-L5L6					
Q540	8-729-120-28	TRANSISTOR 2SC1623-L5L6					

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

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

CY-5

Ref.No	Part No.	Description	Remark				Ref.No	Part No.	Description	Remark			
R152	1-216-025-00	METAL GLAZE	100	5%	1/10W		R287	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R153	1-216-025-00	METAL GLAZE	100	5%	1/10W		R288	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R154	1-216-025-00	METAL GLAZE	100	5%	1/10W		R289	1-216-307-11	METAL GLAZE	4.3	5%	1/10W	
R155	1-216-307-11	METAL GLAZE	4.3	5%	1/10W		R292	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R158	1-216-295-00	METAL GLAZE	0	5%	1/10W		R293	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R159	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R294	1-216-307-11	METAL GLAZE	4.3	5%	1/10W	
R160	1-216-307-11	METAL GLAZE	4.3	5%	1/10W		R297	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R163	1-216-295-00	METAL GLAZE	0	5%	1/10W		R298	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R164	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R299	1-216-307-11	METAL GLAZE	4.3	5%	1/10W	
R165	1-216-307-11	METAL GLAZE	4.3	5%	1/10W		R302	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R168	1-216-295-00	METAL GLAZE	0	5%	1/10W		R303	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R169	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R304	1-216-307-11	METAL GLAZE	4.3	5%	1/10W	
R170	1-216-307-11	METAL GLAZE	4.3	5%	1/10W		R307	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R173	1-216-295-00	METAL GLAZE	0	5%	1/10W		R308	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R174	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R309	1-216-307-11	METAL GLAZE	4.3	5%	1/10W	
R175	1-216-307-11	METAL GLAZE	4.3	5%	1/10W		R312	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R178	1-216-295-00	METAL GLAZE	0	5%	1/10W		R313	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R179	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R314	1-216-307-11	METAL GLAZE	4.3	5%	1/10W	
R180	1-216-307-11	METAL GLAZE	4.3	5%	1/10W		R317	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R183	1-216-295-00	METAL GLAZE	0	5%	1/10W		R318	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R184	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R319	1-216-307-11	METAL GLAZE	4.3	5%	1/10W	
R185	1-216-307-11	METAL GLAZE	4.3	5%	1/10W		R322	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R188	1-216-295-00	METAL GLAZE	0	5%	1/10W		R323	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R189	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R324	1-216-307-11	METAL GLAZE	4.3	5%	1/10W	
R190	1-216-307-11	METAL GLAZE	4.3	5%	1/10W		R327	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R193	1-216-295-00	METAL GLAZE	0	5%	1/10W		R328	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R194	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R331	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R195	1-216-307-11	METAL GLAZE	4.3	5%	1/10W		R332	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R198	1-216-295-00	METAL GLAZE	0	5%	1/10W		R333	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R199	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R334	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R263	1-216-025-00	METAL GLAZE	100	5%	1/10W		R335	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R264	1-216-025-00	METAL GLAZE	100	5%	1/10W		R336	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R265	1-216-025-00	METAL GLAZE	100	5%	1/10W		R337	1-216-307-11	METAL GLAZE	4.3	5%	1/10W	
R266	1-216-025-00	METAL GLAZE	100	5%	1/10W		R340	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R267	1-216-025-00	METAL GLAZE	100	5%	1/10W		R341	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R268	1-216-025-00	METAL GLAZE	100	5%	1/10W		R342	1-216-307-11	METAL GLAZE	4.3	5%	1/10W	
R269	1-216-025-00	METAL GLAZE	100	5%	1/10W		R343	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R270	1-216-025-00	METAL GLAZE	100	5%	1/10W		R344	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R271	1-216-025-00	METAL GLAZE	100	5%	1/10W		R345	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R272	1-216-025-00	METAL GLAZE	100	5%	1/10W		R346	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R273	1-216-025-00	METAL GLAZE	100	5%	1/10W		R347	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R274	1-216-025-00	METAL GLAZE	100	5%	1/10W		R348	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R275	1-216-025-00	METAL GLAZE	100	5%	1/10W		R349	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R276	1-216-025-00	METAL GLAZE	100	5%	1/10W		R350	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R277	1-216-025-00	METAL GLAZE	100	5%	1/10W		R351	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R278	1-216-025-00	METAL GLAZE	100	5%	1/10W		R352	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R279	1-216-025-00	METAL GLAZE	100	5%	1/10W		R353	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R280	1-216-025-00	METAL GLAZE	100	5%	1/10W		R354	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R281	1-216-025-00	METAL GLAZE	100	5%	1/10W		R355	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R282	1-216-025-00	METAL GLAZE	100	5%	1/10W		R356	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R283	1-216-025-00	METAL GLAZE	100	5%	1/10W		R357	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R284	1-216-307-11	METAL GLAZE	4.3	5%	1/10W								

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

Ref.No	Part No.	Description	Remark			Ref.No	Part No.	Description	Remark		
R358	1-216-033-00	METAL GLAZE	220	5%	1/10W	R541	1-216-043-00	METAL GLAZE	560	5%	1/10W
R359	1-216-033-00	METAL GLAZE	220	5%	1/10W	R542	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R360	1-216-033-00	METAL GLAZE	220	5%	1/10W	R543	1-216-041-00	METAL GLAZE	470	5%	1/10W
R361	1-216-033-00	METAL GLAZE	220	5%	1/10W	R544	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R362	1-216-033-00	METAL GLAZE	220	5%	1/10W	R545	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R363	△ 1-212-879-11	FUSIBLE	82	5%	1/4W F	R546	1-216-041-00	METAL GLAZE	470	5%	1/10W
R364	1-216-033-00	METAL GLAZE	220	5%	1/10W	R547	1-216-041-00	METAL GLAZE	470	5%	1/10W
R365	1-216-033-00	METAL GLAZE	220	5%	1/10W	R548	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R366	1-216-033-00	METAL GLAZE	220	5%	1/10W	R549	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R367	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R550	1-216-295-00	METAL GLAZE	0	5%	1/10W
R368	1-216-022-00	METAL GLAZE	75	5%	1/10W	R551	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R443	1-216-295-00	METAL GLAZE	0	5%	1/10W	R552	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R445	1-216-295-00	METAL GLAZE	0	5%	1/10W	R553	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R500	1-216-041-00	METAL GLAZE	470	5%	1/10W	R554	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R501	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	R555	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R502	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R556	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R503	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	R557	1-216-041-00	METAL GLAZE	470	5%	1/10W
R504	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R558	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R505	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	R559	1-216-041-00	METAL GLAZE	470	5%	1/10W
R506	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R560	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R507	1-216-043-00	METAL GLAZE	560	5%	1/10W	R561	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R508	1-216-041-00	METAL GLAZE	470	5%	1/10W	R562	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R509	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R563	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R510	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R564	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R511	1-216-043-00	METAL GLAZE	560	5%	1/10W	R565	1-216-645-11	METAL FILM	560	0.5%	1/10W
R512	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	R566	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R513	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R567	1-216-041-00	METAL GLAZE	470	5%	1/10W
R514	1-216-041-00	METAL GLAZE	470	5%	1/10W	R568	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R515	1-216-085-00	METAL GLAZE	33K	5%	1/10W	R569	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R516	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R570	1-216-043-00	METAL GLAZE	560	5%	1/10W
R517	1-216-041-00	METAL GLAZE	470	5%	1/10W	R571	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R518	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R572	1-216-041-00	METAL GLAZE	470	5%	1/10W
R519	1-216-085-00	METAL GLAZE	33K	5%	1/10W	R573	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R520	1-216-085-00	METAL GLAZE	33K	5%	1/10W	R574	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R521	1-216-295-00	METAL GLAZE	0	5%	1/10W	R575	1-216-041-00	METAL GLAZE	470	5%	1/10W
R522	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R576	1-216-041-00	METAL GLAZE	470	5%	1/10W
R523	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	R577	1-216-295-00	METAL GLAZE	0	5%	1/10W
R524	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R578	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R525	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	R579	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R526	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R580	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R527	1-216-041-00	METAL GLAZE	470	5%	1/10W	R581	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R528	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	R582	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R529	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	R583	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R530	1-216-041-00	METAL GLAZE	470	5%	1/10W	R584	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R531	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	R585	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R532	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R586	1-216-041-00	METAL GLAZE	470	5%	1/10W
R533	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	R587	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R534	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	R588	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R535	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R589	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R536	1-216-043-00	METAL GLAZE	560	5%	1/10W	R590	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R537	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R591	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R538	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R592	1-216-043-00	METAL GLAZE	560	5%	1/10W
R539	1-216-041-00	METAL GLAZE	470	5%	1/10W	R593	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R540	1-216-049-00	METAL GLAZE	1K	5%	1/10W						

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

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

CY-5

PW-65

Ref.No	Part No.	Description	Remark
R594	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R595	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R596	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R597	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R598	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R599	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R600	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R601	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R602	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R603	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R604	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R605	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R606	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R607	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R608	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R609	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R610	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R611	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R612	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R613	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R614	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R615	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R616	1-216-651-11	METAL FILM 1K 0.5% 1/10W	
R617	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R618	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R619	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R620	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R621	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R622	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R623	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R660	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R661	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R662	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R663	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R672	A.1-212-857-00	FUSIBLE 10 5% 1/4W F	
R673	A.1-212-857-00	FUSIBLE 10 5% 1/4W F	
R674	A.1-212-857-00	FUSIBLE 10 5% 1/4W F	

VARIABLE RESISTOR

RV500	1-228-990-00	RES, ADJ, CARBON 1K
RV501	1-228-990-00	RES, ADJ, CARBON 1K
RV502	1-228-990-00	RES, ADJ, CARBON 1K
RV503	1-228-990-00	RES, ADJ, CARBON 1K

*A-7071-218-A PW-65 (B) BOARD, COMPLETE (Ref.No 400 Series)

1-532-847-21 LINK, IC
 *1-533-189-11 HOLDER, FUSE
 *4-363-146-00 HEAT SINK, V.OUT
 *4-875-327-21 HEAT SINK

Ref.No	Part No.	Description	Remark
<u>CAPACITOR</u>			
C002	1-136-537-11	FILM 0.47MF 20% 250V	
C003	1-125-349-00	ELECT 6800MF 20% 25V	
C004	1-161-021-11	CERAMIC 0.047MF 20% 25V	
C005	1-161-772-11	CERAMIC 0.1MF 20% 25V	
C006	1-124-898-11	ELECT 4700MF 20% 16V	
C007	1-124-563-11	ELECT 2200MF 20% 25V	
C008	1-161-772-11	CERAMIC 0.1MF 20% 25V	
C009	1-124-477-11	ELECT 47MF 20% 16V	
C010	1-124-360-00	ELECT 1000MF 20% 16V	
C011	1-124-636-00	ELECT 3300MF 20% 25V	
C012	1-161-021-11	CERAMIC 0.047MF 20% 25V	
C014	1-124-473-11	ELECT 1000MF 20% 10V	
C015	1-161-021-11	CERAMIC 0.047MF 20% 25V	
C016	1-124-473-11	ELECT 1000MF 20% 10V	
C017	1-161-021-11	CERAMIC 0.047MF 20% 25V	
<u>CONNECTOR</u>			
CN002	*1-564-687-11	PIN, CONNECTOR 3P	
CN003	*1-564-321-00	PIN, CONNECTOR 2P	
CN004	*1-560-890-00	PIN, CONNECTOR 2P	
CN005	*1-560-893-00	PIN, CONNECTOR 5P	
<u>DIODE</u>			
D001	8-719-311-72	DIODE RBV-406H01	
D002	8-719-511-40	DIODE S1VB10	
D003	8-719-110-36	DIODE RD13ES-B2	
D005	8-719-109-98	DIODE RD6.8ESB3	
D006	8-719-109-98	DIODE RD6.8ESB3	
D007	8-719-109-97	DIODE RD6.8ESB2	
<u>FUSE</u>			
F001	A.1-532-215-00	FUSE, TIME-LAG	
F002	A.1-532-237-00	FUSE, TIME-LAG	
<u>TRANSFORMER</u>			
FL001	1-421-357-31	TRANSFORMER, LINE FILTER	
<u>IC</u>			
IC001	8-759-946-29	IC PQ12R04S	
IC002	8-759-604-29	IC M5F7805L	
IC003	8-759-945-50	IC PQ05R04S	
<u>JACK</u>			
J001	1-507-896-00	JACK (CONTROL S IN)	
J002	1-507-896-00	JACK (CONTROL S OUT)	
<u>TRANSISTOR</u>			
Q001	8-729-304-07	TRANSISTOR 2SA1488-Y	
Q002	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q003	8-729-900-67	TRANSISTOR DTA124XS	
Q004	8-729-900-83	TRANSISTOR DTC124XE	
Q006	A.8-729-304-07	TRANSISTOR 2SA1488-Y	

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

Note: The components identified by mark A or dotted line with mark A are critical for safety. Replace only with part number specified.

PW-65

CE-11

CA-26

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
<u>RESISTOR</u>				C011	1-123-875-11	ELECT 10MF 20% 50V	
R001	△.1-212-869-00	FUSIBLE 33 5% 1/4W F		C014	1-123-875-11	ELECT 10MF 20% 50V	
R002	1-249-437-11	CARBON 47K 5% 1/4W		C015	1-123-875-11	ELECT 10MF 20% 50V	
R003	△.1-212-998-00	FUSIBLE 470 5% 1/2W F		C018	1-123-875-11	ELECT 10MF 20% 50V	
R004	△.1-212-942-00	FUSIBLE 2.2 5% 1/2W F		C019	1-123-875-11	ELECT 10MF 20% 50V	
R006	△.1-212-934-00	FUSIBLE 1 5% 1/2W F		C022	1-123-875-11	ELECT 10MF 20% 50V	
R007	1-249-435-11	CARBON 33K 5% 1/4W		C023	1-123-875-11	ELECT 10MF 20% 50V	
R008	1-249-428-11	CARBON 8.2K 5% 1/4W		C026	1-123-875-11	ELECT 10MF 20% 50V	
R009	1-249-395-11	CARBON 15 5% 1/4W		C027	1-123-875-11	ELECT 10MF 20% 50V	
R010	1-249-395-11	CARBON 15 5% 1/4W		C030	1-123-875-11	ELECT 10MF 20% 50V	
R011	1-247-743-11	CARBON 220 5% 1/2W		C031	1-123-875-11	ELECT 10MF 20% 50V	
*****				C034	1-123-875-11	ELECT 10MF 20% 50V	
*A-7071-246-A CE-11 BOARD, COMPLETE (Ref.No 5,000 Series)				C035	1-123-875-11	ELECT 10MF 20% 50V	
*****				C036	1-123-875-11	ELECT 10MF 20% 50V	
<u>CONNECTOR</u>				C037	1-123-875-11	ELECT 10MF 20% 50V	
CN001	1-564-018-11	PIN, CONNECTOR 8P		C040	1-123-875-11	ELECT 10MF 20% 50V	
CN002	1-561-534-41	SOCKET, CONNECTOR 21P		C041	1-123-875-11	ELECT 10MF 20% 50V	
<u>DIODE</u>				C046	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
D001	8-719-108-12	DIODE RD9.1EW		C047	1-124-589-11	ELECT 47MF 20% 16V	
D002	8-719-108-12	DIODE RD9.1EW		C048	1-126-101-11	ELECT 100MF 20% 16V	
D003	8-719-108-12	DIODE RD9.1EW		C049	1-126-101-11	ELECT 100MF 20% 16V	
D004	8-719-108-12	DIODE RD9.1EW		C050	1-126-101-11	ELECT 100MF 20% 16V	
<u>RESISTOR</u>				C051	1-126-101-11	ELECT 100MF 20% 16V	
R001	1-247-802-11	CARBON 62 5% 1/4W		C052	1-126-101-11	ELECT 100MF 20% 16V	
R002	1-247-807-11	CARBON 100 5% 1/4W		C053	1-126-101-11	ELECT 100MF 20% 16V	
R003	1-247-802-11	CARBON 62 5% 1/4W		C054	1-126-101-11	ELECT 100MF 20% 16V	
R004	1-247-807-11	CARBON 100 5% 1/4W		C055	1-126-101-11	ELECT 100MF 20% 16V	
<u>SWITCH</u>				C056	1-126-101-11	ELECT 100MF 20% 16V	
S001	1-571-640-11	SWITCH, SLIDE (VIDEO/S VIDEO)		C057	1-126-101-11	ELECT 100MF 20% 16V	
*****				C058	1-126-101-11	ELECT 100MF 20% 16V	
*A-7070-784-B CA-26 BOARD, COMPLETE (Ref.No 2,000 Series)				C059	1-126-101-11	ELECT 100MF 20% 16V	
*****				C060	1-124-499-11	ELECT 1MF 20% 50V	
1-563-523-31 JACK, PIN 2P				C061	1-124-499-11	ELECT 1MF 20% 50V	
1-563-524-41 JACK, PIN 6P				C063	1-124-499-11	ELECT 1MF 20% 50V	
1-565-532-41 PIN, CONNECTOR 7P				C064	1-124-499-11	ELECT 1MF 20% 50V	
*4-875-327-21 HEAT SINK				C065	1-124-499-11	ELECT 1MF 20% 50V	
<u>CAPACITOR</u>				C066	1-124-499-11	ELECT 1MF 20% 50V	
C001	1-126-103-11	ELECT 470MF 20% 16V		C067	1-124-499-11	ELECT 1MF 20% 50V	
C002	1-126-101-11	ELECT 100MF 20% 16V		C068	1-124-499-11	ELECT 1MF 20% 50V	
C003	1-126-101-11	ELECT 100MF 20% 16V		C069	1-124-499-11	ELECT 1MF 20% 50V	
C004	1-126-101-11	ELECT 100MF 20% 16V		C070	1-124-499-11	ELECT 1MF 20% 50V	
C005	1-126-101-11	ELECT 100MF 20% 16V		C071	1-124-499-11	ELECT 1MF 20% 50V	
C006	1-126-101-11	ELECT 100MF 20% 16V		C072	1-124-499-11	ELECT 1MF 20% 50V	
C007	1-126-101-11	ELECT 100MF 20% 16V		C074	1-124-499-11	ELECT 1MF 20% 50V	
C008	1-126-101-11	ELECT 100MF 20% 16V		C075	1-124-499-11	ELECT 1MF 20% 50V	
C009	1-124-589-11	ELECT 47MF 20% 16V		C076	1-124-499-11	ELECT 1MF 20% 50V	
C010	1-123-875-11	ELECT 10MF 20% 50V		C077	1-124-499-11	ELECT 1MF 20% 50V	
				C078	1-124-499-11	ELECT 1MF 20% 50V	
				C079	1-124-499-11	ELECT 1MF 20% 50V	
				C080	1-124-499-11	ELECT 1MF 20% 50V	
				C081	1-126-157-11	ELECT 10MF 20% 16V	
				C082	1-126-157-11	ELECT 10MF 20% 16V	
				C083	1-126-157-11	ELECT 10MF 20% 16V	

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

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

CA-26

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
C084	1-126-157-11	ELECT	10MF 20% 16V	C180	1-126-157-11	ELECT	10MF 20% 16V
C085	1-126-157-11	ELECT	10MF 20% 16V	C181	1-126-157-11	ELECT	10MF 20% 16V
C086	1-126-157-11	ELECT	10MF 20% 16V	C182	1-126-157-11	ELECT	10MF 20% 16V
C087	1-126-157-11	ELECT	10MF 20% 16V	C183	1-126-157-11	ELECT	10MF 20% 16V
C088	1-126-157-11	ELECT	10MF 20% 16V	C184	1-126-157-11	ELECT	10MF 20% 16V
C089	1-126-157-11	ELECT	10MF 20% 16V	C185	1-126-157-11	ELECT	10MF 20% 16V
C090	1-126-157-11	ELECT	10MF 20% 16V	C186	1-126-157-11	ELECT	10MF 20% 16V
C091	1-126-157-11	ELECT	10MF 20% 16V	C187	1-126-157-11	ELECT	10MF 20% 16V
C092	1-126-157-11	ELECT	10MF 20% 16V	C188	1-126-157-11	ELECT	10MF 20% 16V
C093	1-126-157-11	ELECT	10MF 20% 16V	C189	1-126-157-11	ELECT	10MF 20% 16V
C094	1-126-157-11	ELECT	10MF 20% 16V	C190	1-126-157-11	ELECT	10MF 20% 16V
C095	1-126-157-11	ELECT	10MF 20% 16V	C191	1-126-157-11	ELECT	10MF 20% 16V
C096	1-126-157-11	ELECT	10MF 20% 16V	C192	1-126-157-11	ELECT	10MF 20% 16V
C097	1-126-157-11	ELECT	10MF 20% 16V	C193	1-126-157-11	ELECT	10MF 20% 16V
C098	1-126-157-11	ELECT	10MF 20% 16V	C194	1-126-157-11	ELECT	10MF 20% 16V
C099	1-126-157-11	ELECT	10MF 20% 16V	C195	1-126-157-11	ELECT	10MF 20% 16V
C100	1-126-157-11	ELECT	10MF 20% 16V	C196	1-126-157-11	ELECT	10MF 20% 16V
C101	1-126-157-11	ELECT	10MF 20% 16V	C197	1-126-157-11	ELECT	10MF 20% 16V
C103	1-126-233-11	ELECT	22MF 20% 25V	C198	1-126-157-11	ELECT	10MF 20% 16V
C104	1-126-233-11	ELECT	22MF 20% 25V	C199	1-126-157-11	ELECT	10MF 20% 16V
C105	1-126-157-11	ELECT	10MF 20% 16V	C200	1-126-157-11	ELECT	10MF 20% 16V
C106	1-126-157-11	ELECT	10MF 20% 16V	C201	1-126-157-11	ELECT	10MF 20% 16V
C107	1-126-157-11	ELECT	10MF 20% 16V	C202	1-126-157-11	ELECT	10MF 20% 16V
C108	1-126-157-11	ELECT	10MF 20% 16V	C203	1-126-157-11	ELECT	10MF 20% 16V
C109	1-126-157-11	ELECT	10MF 20% 16V	C204	1-126-157-11	ELECT	10MF 20% 16V
C110	1-126-157-11	ELECT	10MF 20% 16V	C205	1-126-157-11	ELECT	10MF 20% 16V
C111	1-124-499-11	ELECT	1MF 20% 50V	C206	1-126-157-11	ELECT	10MF 20% 16V
C112	1-126-101-11	ELECT	100MF 20% 16V	C207	1-126-157-11	ELECT	10MF 20% 16V
C113	1-126-101-11	ELECT	100MF 20% 16V	C208	1-126-157-11	ELECT	10MF 20% 16V
C114	1-163-141-00	CERAMIC CHIP	0.001MF 5% 50V	C209	1-126-157-11	ELECT	10MF 20% 16V
C117	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C210	1-126-157-11	ELECT	10MF 20% 16V
C118	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C211	1-126-157-11	ELECT	10MF 20% 16V
C119	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C212	1-126-157-11	ELECT	10MF 20% 16V
C132	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C213	1-126-157-11	ELECT	10MF 20% 16V
C135	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C214	1-126-157-11	ELECT	10MF 20% 16V
C136	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C215	1-126-157-11	ELECT	10MF 20% 16V
C139	1-126-233-11	ELECT	22MF 20% 25V	C216	1-126-157-11	ELECT	10MF 20% 16V
C141	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C217	1-126-157-11	ELECT	10MF 20% 16V
C144	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C218	1-126-157-11	ELECT	10MF 20% 16V
C149	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C220	1-126-157-11	ELECT	10MF 20% 16V
C152	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C221	1-126-157-11	ELECT	10MF 20% 16V
C154	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C222	1-126-157-11	ELECT	10MF 20% 16V
C159	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C223	1-126-157-11	ELECT	10MF 20% 16V
C160	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V	C224	1-126-157-11	ELECT	10MF 20% 16V
C171	1-126-157-11	ELECT	10MF 20% 16V	C225	1-126-157-11	ELECT	10MF 20% 16V
C172	1-126-157-11	ELECT	10MF 20% 16V	C226	1-126-157-11	ELECT	10MF 20% 16V
C173	1-126-157-11	ELECT	10MF 20% 16V	C227	1-126-233-11	ELECT	22MF 20% 25V
C174	1-126-157-11	ELECT	10MF 20% 16V				
C175	1-126-157-11	ELECT	10MF 20% 16V				
C176	1-126-157-11	ELECT	10MF 20% 16V				
C177	1-126-157-11	ELECT	10MF 20% 16V				
C178	1-126-157-11	ELECT	10MF 20% 16V				
C179	1-126-157-11	ELECT	10MF 20% 16V				

CONNECTOR

CN001	*1-560-893-00	PIN, CONNECTOR 5P
CN002	*1-564-008-11	PIN, CONNECTOR 9P
CN003	*1-562-708-11	SOCKET, CONNECTOR 13P
CN004	1-506-477-11	PIN, CONNECTOR 12P

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

Ref.No	Part No.	Description
CN005	*1-560-894-00	PIN, CONNECTOR 6P
CN006	1-506-473-11	PIN, CONNECTOR 8P

DIODE

D001	8-719-110-22	DIODE RD11ESB2
D002	8-719-109-97	DIODE RD6.8ESB2
D003	8-719-109-97	DIODE RD6.8ESB2
D004	8-719-109-81	DIODE RD4.7ESB2
D005	8-719-109-97	DIODE RD6.8ESB2

IC

IC001	8-752-032-27	IC CXA1114P
IC002	8-752-032-27	IC CXA1114P
IC003	8-752-032-27	IC CXA1114P
IC004	8-752-032-27	IC CXA1114P
IC005	8-752-032-27	IC CXA1114P
IC006	8-752-032-27	IC CXA1114P
IC007	8-759-100-96	IC UPC4558G2
IC008	8-759-100-96	IC UPC4558G2
IC009	8-759-100-96	IC UPC4558G2
IC010	8-759-100-96	IC UPC4558G2
IC011	8-759-100-96	IC UPC4558G2
IC012	8-759-100-96	IC UPC4558G2
IC013	8-759-201-01	IC TC4066BF
IC014	8-759-100-96	IC UPC4558G2
IC015	8-759-100-96	IC UPC4558G2
IC016	8-759-201-01	IC TC4066BF
IC017	8-759-201-01	IC TC4066BF
IC018	8-759-201-01	IC TC4066BF
IC019	8-759-201-01	IC TC4066BF
IC020	8-759-201-01	IC TC4066BF
IC021	8-759-100-96	IC UPC4558G2
IC022	8-759-201-01	IC TC4066BF
IC023	8-759-201-01	IC TC4066BF
IC024	8-759-201-01	IC TC4066BF
IC025	8-759-201-01	IC TC4066BF
IC026	8-759-201-01	IC TC4066BF
IC027	8-759-230-05	IC TC9154AP
IC028	8-759-100-96	IC UPC4558G2
IC029	8-759-100-96	IC UPC4558G2
IC030	8-759-201-06	IC TC4073BF
IC031	8-759-200-99	IC TC4051BF
IC032	8-759-200-99	IC TC4051BF
IC033	8-757-991-00	IC CX7991
IC034	8-757-991-00	IC CX7991
IC035	8-759-200-67	IC TC4001BF
IC036	8-759-200-82	IC TC4069UBF
IC037	8-759-200-82	IC TC4069UBF
IC038	8-759-200-82	IC TC4069UBF
IC039	8-759-200-82	IC TC4069UBF
IC041	8-759-201-01	IC TC4066BF
IC042	8-759-201-01	IC TC4066BF
IC043	8-759-201-01	IC TC4066BF

Ref.No	Part No.	Description
IC044	8-759-201-01	IC TC4066BF
IC045	8-759-201-01	IC TC4066BF

TRANSISTOR

Q001	8-729-201-78	TRANSISTOR 2SD1406
Q002	8-729-304-07	TRANSISTOR 2SA1488-Y
Q003	8-729-201-78	TRANSISTOR 2SD1406
Q004	8-729-178-54	TRANSISTOR 2SC2785-F
Q005	8-729-900-83	TRANSISTOR DTC124XS
Q006	8-729-900-89	TRANSISTOR DTC144ES
Q007	8-729-900-89	TRANSISTOR DTC144ES
Q008	8-729-900-83	TRANSISTOR DTC124XS
Q009	8-729-900-89	TRANSISTOR DTC144ES
Q010	8-729-900-83	TRANSISTOR DTC124XS
Q011	8-729-900-89	TRANSISTOR DTC144ES
Q012	8-729-900-89	TRANSISTOR DTC144ES
Q013	8-729-900-83	TRANSISTOR DTC124XS
Q014	8-729-900-83	TRANSISTOR DTC124XS
Q015	8-729-900-83	TRANSISTOR DTC124XS
Q016	8-729-900-83	TRANSISTOR DTC124XS
Q017	8-729-900-83	TRANSISTOR DTC124XS
Q018	8-729-900-83	TRANSISTOR DTC124XS
Q019	8-729-900-83	TRANSISTOR DTC124XS
Q020	8-729-900-83	TRANSISTOR DTC124XS
Q021	8-729-900-83	TRANSISTOR DTC124XS
Q022	8-729-900-83	TRANSISTOR DTC124XS
Q023	8-729-900-83	TRANSISTOR DTC124XS
Q024	8-729-900-83	TRANSISTOR DTC124XS
Q025	8-729-900-83	TRANSISTOR DTC124XS
Q026	8-729-900-83	TRANSISTOR DTC124XS
Q027	8-729-900-83	TRANSISTOR DTC124XS
Q028	8-729-900-83	TRANSISTOR DTC124XS
Q029	8-729-900-83	TRANSISTOR DTC124XS
Q030	8-729-900-83	TRANSISTOR DTC124XS
Q031	8-729-900-83	TRANSISTOR DTC124XS
Q032	8-729-901-78	TRANSISTOR 2SC2412K-R
Q033	8-729-100-76	TRANSISTOR 2SA812-M6
Q034	8-729-901-78	TRANSISTOR 2SC2412K-R
Q035	8-729-901-78	TRANSISTOR 2SC2412K-R
Q036	8-729-100-76	TRANSISTOR 2SA812-M6
Q037	8-729-901-78	TRANSISTOR 2SC2412K-R
Q038	8-729-901-78	TRANSISTOR 2SC2412K-R
Q039	8-729-100-76	TRANSISTOR 2SA812-M6
Q040	8-729-901-78	TRANSISTOR 2SC2412K-R
Q041	8-729-901-78	TRANSISTOR 2SC2412K-R
Q042	8-729-100-76	TRANSISTOR 2SA812-M6
Q043	8-729-901-78	TRANSISTOR 2SC2412K-R
Q044	8-729-901-78	TRANSISTOR 2SC2412K-R
Q045	8-729-100-76	TRANSISTOR 2SA812-M6
Q046	8-729-901-78	TRANSISTOR 2SC2412K-R
Q047	8-729-901-78	TRANSISTOR 2SC2412K-R
Q048	8-729-100-76	TRANSISTOR 2SA812-M6
Q049	8-729-901-78	TRANSISTOR 2SC2412K-R

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

CA-26

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
Q050	8-729-901-78	TRANSISTOR 2SC2412K-R		R023	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q051	8-729-901-78	TRANSISTOR 2SC2412K-R		R024	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q052	8-729-100-76	TRANSISTOR 2SA812-M6		R025	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q053	8-729-901-78	TRANSISTOR 2SC2412K-R		R026	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q054	8-729-901-78	TRANSISTOR 2SC2412K-R		R027	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q055	8-729-100-76	TRANSISTOR 2SA812-M6		R028	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q056	8-729-901-78	TRANSISTOR 2SC2412K-R		R029	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q057	8-729-901-78	TRANSISTOR 2SC2412K-R		R030	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q058	8-729-100-76	TRANSISTOR 2SA812-M6		R031	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q059	8-729-901-78	TRANSISTOR 2SC2412K-R		R032	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q060	8-729-901-78	TRANSISTOR 2SC2412K-R		R033	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q061	8-729-901-78	TRANSISTOR 2SC2412K-R		R034	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q062	8-729-901-78	TRANSISTOR 2SC2412K-R		R035	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q063	8-729-901-78	TRANSISTOR 2SC2412K-R		R036	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q064	8-729-901-78	TRANSISTOR 2SC2412K-R		R037	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q065	8-729-901-78	TRANSISTOR 2SC2412K-R		R038	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q066	8-729-901-78	TRANSISTOR 2SC2412K-R		R039	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q067	8-729-901-78	TRANSISTOR 2SC2412K-R		R040	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q068	8-729-901-78	TRANSISTOR 2SC2412K-R		R041	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q069	8-729-901-78	TRANSISTOR 2SC2412K-R		R042	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q070	8-729-901-78	TRANSISTOR 2SC2412K-R		R043	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q071	8-729-901-78	TRANSISTOR 2SC2412K-R		R044	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
Q072	8-729-901-78	TRANSISTOR 2SC2412K-R		R045	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q073	8-729-901-78	TRANSISTOR 2SC2412K-R		R046	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q074	8-729-901-78	TRANSISTOR 2SC2412K-R		R047	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q075	8-729-901-78	TRANSISTOR 2SC2412K-R		R048	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q076	8-729-901-78	TRANSISTOR 2SC2412K-R		R049	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q077	8-729-901-78	TRANSISTOR 2SC2412K-R		R050	1-216-222-00	METAL GLAZE 10K 5% 1/8W	
Q078	8-729-900-89	TRANSISTOR DTC144ES		R051	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
RESISTOR				R052	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R001	△ 1-212-942-00	FUSIBLE 2.2 5% 1/2W F		R053	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R002	△ 1-212-869-00	FUSIBLE 33 5% 1/4W F		R054	1-216-222-00	METAL GLAZE 10K 5% 1/8W	
R003	△ 1-212-942-00	FUSIBLE 2.2 5% 1/2W F		R055	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R004	△ 1-212-897-00	FUSIBLE 470 5% 1/4W F		R056	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R005	△ 1-212-942-00	FUSIBLE 2.2 5% 1/2W F		R057	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R006	△ 1-212-897-00	FUSIBLE 470 5% 1/4W F		R058	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R007	△ 1-212-857-00	FUSIBLE 10 5% 1/4W F		R061	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R008	1-247-711-11	CARBON 680 5% 1/4W		R062	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R009	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R069	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R010	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R070	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R011	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R071	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R012	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R072	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R013	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R073	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R014	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R082	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R015	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R083	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R016	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R084	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R017	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R085	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R018	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R094	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R019	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R095	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R020	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R096	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R021	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R105	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R022	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R106	1-216-025-00	METAL GLAZE 100 5% 1/10W	
				R107	1-216-025-00	METAL GLAZE 100 5% 1/10W	

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

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

<u>Ref.No</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>			<u>Ref.No</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>		
R108	1-216-025-00	METAL GLAZE	100	5%	1/10W	R180	1-216-041-00	METAL GLAZE	470	5%	1/10W
R117	1-216-025-00	METAL GLAZE	100	5%	1/10W	R181	1-216-041-00	METAL GLAZE	470	5%	1/10W
R118	1-216-025-00	METAL GLAZE	100	5%	1/10W	R182	1-216-027-00	METAL GLAZE	120	5%	1/10W
R119	1-216-025-00	METAL GLAZE	100	5%	1/10W	R183	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R128	1-216-097-00	METAL GLAZE	100K	5%	1/10W	R185	1-216-045-00	METAL GLAZE	680	5%	1/10W
R129	1-216-097-00	METAL GLAZE	100K	5%	1/10W	R186	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R130	1-216-097-00	METAL GLAZE	100K	5%	1/10W	R187	1-216-021-00	METAL GLAZE	68	5%	1/10W
R131	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R188	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R132	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R189	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R133	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R190	1-216-045-00	METAL GLAZE	680	5%	1/10W
R134	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R191	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R135	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R192	1-216-041-00	METAL GLAZE	470	5%	1/10W
R136	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R193	1-216-041-00	METAL GLAZE	470	5%	1/10W
R137	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R194	1-216-027-00	METAL GLAZE	120	5%	1/10W
R138	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R195	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R139	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R197	1-216-045-00	METAL GLAZE	680	5%	1/10W
R140	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R198	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R141	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R199	1-216-021-00	METAL GLAZE	68	5%	1/10W
R142	1-216-045-00	METAL GLAZE	680	5%	1/10W	R200	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R143	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R201	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R144	1-216-041-00	METAL GLAZE	470	5%	1/10W	R202	1-216-045-00	METAL GLAZE	680	5%	1/10W
R145	1-216-041-00	METAL GLAZE	470	5%	1/10W	R203	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R146	1-216-027-00	METAL GLAZE	120	5%	1/10W	R204	1-216-041-00	METAL GLAZE	470	5%	1/10W
R147	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	R205	1-216-041-00	METAL GLAZE	470	5%	1/10W
R149	1-216-045-00	METAL GLAZE	680	5%	1/10W	R206	1-216-027-00	METAL GLAZE	120	5%	1/10W
R150	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R207	1-216-037-00	METAL GLAZE	330	5%	1/10W
R151	1-216-021-00	METAL GLAZE	68	5%	1/10W	R208	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R152	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R210	1-216-045-00	METAL GLAZE	680	5%	1/10W
R153	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R211	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R154	1-216-045-00	METAL GLAZE	680	5%	1/10W	R212	1-216-021-00	METAL GLAZE	68	5%	1/10W
R155	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R213	1-216-037-00	METAL GLAZE	330	5%	1/10W
R156	1-216-041-00	METAL GLAZE	470	5%	1/10W	R214	1-216-045-00	METAL GLAZE	680	5%	1/10W
R157	1-216-041-00	METAL GLAZE	470	5%	1/10W	R215	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R158	1-216-027-00	METAL GLAZE	120	5%	1/10W	R216	1-216-021-00	METAL GLAZE	68	5%	1/10W
R159	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	R217	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R161	1-216-045-00	METAL GLAZE	680	5%	1/10W	R218	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R162	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R219	1-216-045-00	METAL GLAZE	680	5%	1/10W
R163	1-216-021-00	METAL GLAZE	68	5%	1/10W	R220	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R164	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R221	1-216-041-00	METAL GLAZE	470	5%	1/10W
R165	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R222	1-216-041-00	METAL GLAZE	470	5%	1/10W
R166	1-216-045-00	METAL GLAZE	680	5%	1/10W	R223	1-216-027-00	METAL GLAZE	120	5%	1/10W
R167	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R224	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R168	1-216-041-00	METAL GLAZE	470	5%	1/10W	R225	1-216-045-00	METAL GLAZE	680	5%	1/10W
R169	1-216-041-00	METAL GLAZE	470	5%	1/10W	R226	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R170	1-216-027-00	METAL GLAZE	120	5%	1/10W	R227	1-216-021-00	METAL GLAZE	68	5%	1/10W
R171	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	R228	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R173	1-216-045-00	METAL GLAZE	680	5%	1/10W	R229	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R174	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R230	1-216-045-00	METAL GLAZE	680	5%	1/10W
R175	1-216-021-00	METAL GLAZE	68	5%	1/10W	R231	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R176	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R232	1-216-041-00	METAL GLAZE	470	5%	1/10W
R177	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R233	1-216-041-00	METAL GLAZE	470	5%	1/10W
R178	1-216-045-00	METAL GLAZE	680	5%	1/10W	R234	1-216-027-00	METAL GLAZE	120	5%	1/10W
R179	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R235	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W

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

CA-26

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
R236	1-216-045-00	METAL GLAZE 680 5% 1/10W		R292	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R237	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R293	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R238	1-216-021-00	METAL GLAZE 68 5% 1/10W		R294	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R239	1-216-075-00	METAL GLAZE 12K 5% 1/10W		R295	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R240	1-216-075-00	METAL GLAZE 12K 5% 1/10W		R296	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R241	1-216-045-00	METAL GLAZE 680 5% 1/10W		R297	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R242	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R298	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R243	1-216-041-00	METAL GLAZE 470 5% 1/10W		R299	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R244	1-216-041-00	METAL GLAZE 470 5% 1/10W		R300	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R245	1-216-027-00	METAL GLAZE 120 5% 1/10W		R301	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R246	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		R302	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R247	1-216-045-00	METAL GLAZE 680 5% 1/10W		R303	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R248	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R304	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R249	1-216-021-00	METAL GLAZE 68 5% 1/10W		R305	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R253	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R306	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R254	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R307	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R255	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R308	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R256	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R309	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R257	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R310	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R258	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R311	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R259	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R312	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R260	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R313	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R261	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R314	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R262	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R315	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R263	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R316	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R264	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R317	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R265	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R318	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R266	1-216-105-00	METAL GLAZE 220K 5% 1/10W		R319	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R267	1-216-105-00	METAL GLAZE 220K 5% 1/10W		R320	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R268	1-216-105-00	METAL GLAZE 220K 5% 1/10W		R321	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R269	1-216-105-00	METAL GLAZE 220K 5% 1/10W		R322	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R270	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R323	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R271	1-216-097-00	METAL GLAZE 100K 5% 1/10W		R324	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R272	1-216-043-00	METAL GLAZE 560 5% 1/10W		R325	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R273	1-216-043-00	METAL GLAZE 560 5% 1/10W		R326	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R274	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R327	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R275	1-216-089-00	METAL GLAZE 47K 5% 1/10W		R328	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R276	1-216-089-00	METAL GLAZE 47K 5% 1/10W		R329	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R277	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R330	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R278	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R331	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R279	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R332	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R280	1-216-043-00	METAL GLAZE 560 5% 1/10W		R333	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R281	1-216-043-00	METAL GLAZE 560 5% 1/10W		R334	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R282	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R335	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R283	1-216-089-00	METAL GLAZE 47K 5% 1/10W		R336	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R284	1-216-089-00	METAL GLAZE 47K 5% 1/10W		R337	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R285	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R338	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R286	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R339	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R287	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R340	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R288	1-216-043-00	METAL GLAZE 560 5% 1/10W		R341	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R289	1-216-043-00	METAL GLAZE 560 5% 1/10W		R342	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R290	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R343	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R291	1-216-089-00	METAL GLAZE 47K 5% 1/10W		R344	1-216-089-00	METAL GLAZE 47K 5% 1/10W	

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

Ref.No	Part No.	Description	Remark
R345	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R346	△ 1-212-879-11	FUSIBLE 82 5% 1/4W	F
R347	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R348	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R349	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R350	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R351	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R352	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R353	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R354	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R355	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R356	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R357	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R358	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R359	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R360	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R361	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R362	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R363	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R364	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R365	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R366	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R367	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R368	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R369	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R370	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R371	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R372	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R373	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R374	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R375	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R376	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R377	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R378	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R379	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R380	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R388	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R389	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R390	1-216-089-00	METAL GLAZE 47K 5% 1/10W	

Ref.No	Part No.	Description	Remark
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MISCELLANEOUS

F001	△ 1-532-453-XX	FUSE, GLASS TUBE (1.25A)	
F002	△ 1-532-745-11	FUSE, GLASS TUBE (3.15A)	
J003	△ 1-526-882-00	OUTLET, AC (SWITCHED)	
J004	△ 1-526-882-00	OUTLET, AC (UN SWITCHED)	
S001	△ 1-571-877-11	SWITCH, PUSH (AC POWER)	
T1	△ 1-449-096-11	TRANSFORMER, POWER	

ACCESSORIES AND PACKING MATERIALS

Part No.	Description	Remark
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A-6767-960-A	COMMANDER ASSY (RMT-3000)	
*2-119-121-01	CUSHION (LOWER)	
*2-119-122-01	CUSHION (UPPER)	
*2-119-207-11	INDIVIDUAL CARTON	
2-134-132-01	LABEL	

3-786-817-21 MANUAL, INSTRUCTION

HARDWARE LIST

SCREW

*7-682-547-04	SCREW +BVT	3X6 (S)	
7-682-547-09	SCREW +BVT	3X6 (S)	
7-682-660-09	SCREW +PS	4X6	
7-685-646-79	SCREW +BVTP	3X8 TYPE2 IT-3	

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

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

SECTION 7 ELECTRICAL ADJUSTMENTS

7-1. Confirmation of the input signal

For electrical adjustment, the video signal obtained from the pattern generator is used as the adjustment signal.

Therefore, it is necessary that this video output signal is within the standard.

1) When inputting an S video signal

Connect the oscilloscope to the Y signal terminal of the S video input terminals (terminal plate) and confirm that the amplitude of the SYNC signal of the Y signal is approximately 0.3Vp-p and that that of the video section is approximately 0.7Vp-p. (Furthermore, when using the VTR with the S video output terminals, confirm that the chroma signal and the burst signal do not remain.) Also, connect the oscilloscope to the chroma signal terminal of the S video input terminals and confirm that the burst signal amplitude of the chroma signal is approximately 0.3Vp-p and flat, and that the level ratio of the burst signal and the chroma signal is 0.30 : 0.66.

The Y signal and the chroma signal to be used for adjustment are shown in Fig. 7-1.

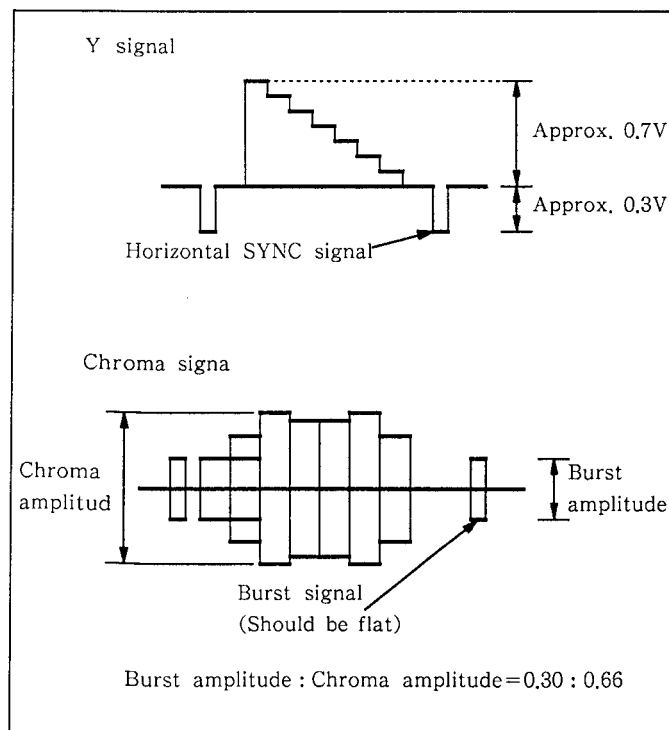


Fig. 7-1. Colour bar signal of pattern generator

[Setup for adjustment]

For the electrical adjustment, the video signal obtained from the PAL pattern generator is used as the adjustment signal. Therefore, it is necessary that this video output signal should be within the standard. Connect the oscilloscope to the video input terminal and confirm that the amplitude of the SYNC signal of the video signal is approx. 0.3V and that of the video section is approx. 0.7V. Also confirm that the burst signal amplitude is approx. 0.3V and flat, and that the level ratio of the burst signal and the "red" signal is 0.30 : 0.66.

The video signal (colour bar signal) to be used for adjustment is shown in Fig. 7-2.

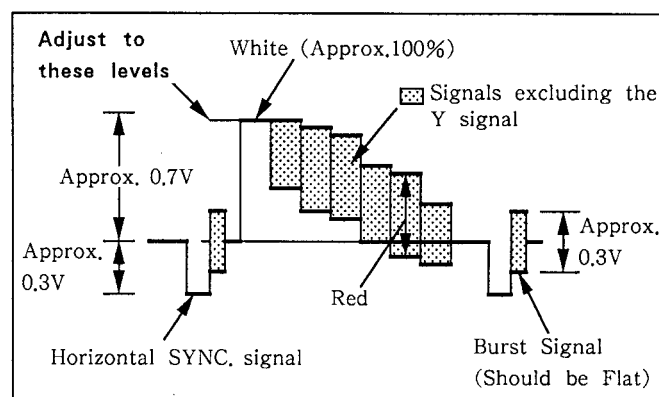


Fig. 7-2. Colour bar signal of pattern generator

7-1-1. Adjustment of YC separation level (CY-5 Board)

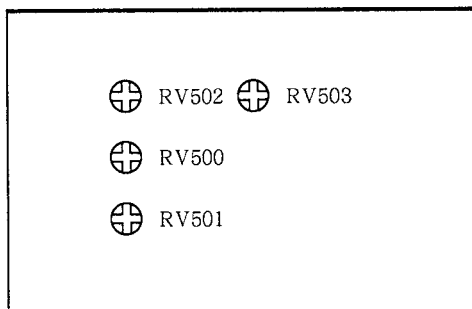
Signal	Colour bar
Measurement point	[2], [4], [6] and Monitor [1] output
Measurement equipment	Oscilloscope
Adjustment element	RV500, RV501, RV502, RV503
Specified value	Adjust the white level of the COMPOSITE signal and the Y signal

(adjusting method)

- 1) Input the colour bar signal to [1] and adjust the output waveform of [2].
- 2) Input the colour bar signal to [3] and adjust the output waveform of [4].
Input the colour bar signal to [5] and adjust the output waveform of [6].
- 3) Turn off the V-S switch. (by pushing the CLEAR button.)
- 4) Switch MONITOR [1] over to the output of [5] (INPUT/OUTPUT selector SW) and adjust the waveform of the output of MONITOR [1].

7-2. ADJUSTMENT RELATED PARTS LOCATION

CY-5 BOARD



SB-V3000
RMT-3000