

STR-DA2400ES/DG920

SERVICE MANUAL

Ver. 1.0 2008.05

US Model
STR-DA2400ES/DG920

Canadian Model
STR-DG920

AEP Model

UK Model
STR-DA2400ES



Photo: STR-DA2400ES



Photo: STR-DG920

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (DA2400ES: US) POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section (DA2400ES: US)

Power Output

Rated Power Output at Stereo Mode¹⁾

(8 ohms 20 Hz – 20 kHz, THD 0.09%):

100 W + 100 W

Reference Power Output at Stereo Mode

(4 ohms 20 Hz – 20 kHz, THD 0.15%):

85 W + 85 W

Reference Power Output (8 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 110 W + 110 W

CENTER²⁾: 110 W

SURROUND²⁾: 110 W + 110 W

SUR BACK²⁾: 110 W + 110 W

Reference Power Output (4 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 100 W + 100 W

CENTER²⁾: 100 W

SURROUND²⁾: 100 W + 100 W

SUR BACK²⁾: 100 W + 100 W

¹⁾ Measured under the following conditions: 120 V AC, 60 Hz

²⁾ Depending on the sound field settings and the source, there may be no sound output.

Amplifier section (DA2400ES: AEP, ECE, UK)

Power Output

Models of area code CEL, CEK, ECE

Rated Power Output at Stereo Mode¹⁾

(8 ohms 20 Hz – 20 kHz, THD 0.09%):

100 W + 100 W

Reference Power Output at Stereo Mode

(4 ohms 20 Hz – 20 kHz, THD 0.15%):

85 W + 85 W

Reference Power Output (8 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 110 W + 110 W

CENTER²⁾: 110 W

SURROUND²⁾: 110 W + 110 W

SUR BACK²⁾: 110 W + 110 W

Reference Power Output (4 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 100 W + 100 W

CENTER²⁾: 100 W

SURROUND²⁾: 100 W + 100 W

SUR BACK²⁾: 100 W + 100 W

¹⁾ Measured under the following conditions:

Area code	Power requirements
CEL, CEK, ECE	230 V AC, 50 Hz

²⁾ Depending on the sound field settings and the source, there may be no sound output.

Frequency response

PHONO

RIAA equalization curve

± 0.5 dB

Analog

10 Hz – 100 kHz,

± 3 dB

(with sound field and equalizer bypassed)

Input

PHONO

Sensitivity: 2.5 mV

Impedance: 50 kohms

S/N³⁾: 90 dB (A, 20 kHz LPF)⁴⁾

Analog

Sensitivity: 150 mV/50 kohms

S/N³⁾: 100 dB (A, 20 kHz LPF)⁴⁾

Impedance: 75 ohms

Digital (Coaxial)

S/N³⁾: 96 dB (A, 20 kHz LPF)⁴⁾

Digital (Optical)

S/N³⁾: 96 dB

(A, 20 kHz LPF)⁴⁾

Output (analog)

AUDIO OUT

Voltage: 150 mV/1 kohm

SUBWOOFER

Voltage: 2 V/1 kohm

Equalizer

Gain levels

±10 dB, 1 dB step

³⁾ INPUT SHORT (with sound field and equalizer bypassed).

⁴⁾ Weighted network, input level.

AUDIO POWER SPECIFICATIONS (DG920: US) POWER OUTPUT AND TOTAL HARMONIC DISTORTION: (Models of area code U only)

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

– Continued on next page –

MULTI CHANNEL AV RECEIVER

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Audio Business Group

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SONY®

STR-DA2400ES/DG920

Amplifier section (DG920)

Models of area code U, CA¹⁾
Minimum RMS Output Power
(8 ohms, 20 Hz – 20 kHz, THD 0.09%)
100 W + 100 W
Stereo Mode Output Power
(8 ohms, 1 kHz, THD 0.7%)
110 W + 110 W
Surround Mode Output Power²⁾
(8 ohms, 1 kHz, THD 10%)
150 W per channel

¹⁾ Measured under the following conditions:

Area code	Power requirements
U, CA	120 V AC, 60 Hz

²⁾ Reference power output for front, center, surround and surround back speakers. Depending on the sound field settings and the source, there may be no sound output.

Frequency response	
Analog	10 Hz – 100 kHz, ±3 dB (with sound field and equalizer bypassed)
Input	
Analog	Sensitivity: 150 mV/50 kohms S/N ³⁾ : 96 dB (A, 20 kHz LPF)
Digital (Coaxial)	Impedance: 75 ohms S/N: 100 dB (A, 20 kHz LPF)
Digital (Optical)	S/N: 100 dB (A, 20 kHz LPF)
Output (Analog)	
AUDIO OUT	Voltage: 150 mV/1 kohms
SUBWOOFER	Voltage: 2 V/1 kohm
Equalizer	
Gain levels	±10 dB, 1 dB step

³⁾ INPUT SHOR

FM tuner section

Tuning range 87.5 – 108.0 MHz
Antenna (aerial) FM wire antenna (aerial)
Antenna (aerial) terminals 75 ohms, unbalanced
Intermediate frequency 10.7 MHz

AM tuner section (DA2400ES: US)

Tuning range
With 10-kHz tuning scale 530 – 1,710 kHz⁵⁾
With 9-kHz tuning scale 531 – 1,710 kHz⁵⁾
Antenna (aerial) Loop antenna (aerial)
Intermediate frequency 450 kHz

⁵⁾ You can change the AM tuning scale to either 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down TUNING MODE, press POWER on the receiver. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

AM tuner section (DA2400ES: AEP, ECE, UK)

Tuning range		
Area code	Tuning scale	
	10 kHz step	9 kHz step
CEL, CEK, ECE	–	531 kHz – 1,602 kHz

Antenna (aerial) Loop antenna (aerial)
Intermediate frequency 450 kHz

AM tuner section (DG920)

Tuning range
Models of area code U, CA
With 10-kHz tuning scale: 530 – 1,710 kHz⁴⁾
With 9-kHz tuning scale: 531 – 1,710 kHz⁴⁾
Antenna (aerial) Loop antenna (aerial)
Intermediate frequency 450 kHz

⁴⁾ You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down TUNING MODE, press POWER. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

Video section

Inputs/Outputs
Video: 1 Vp-p, 75 ohms
COMPONENT VIDEO:
Y: 1 Vp-p, 75 ohms
Pb/Cb: 0.7 Vp-p, 75 ohms
Pr/Cr: 0.7 Vp-p, 75 ohms
80 MHz HD Pass Through

HDMI Video (DA2400ES)

Input/Output (HDMI Repeater block)
640 × 480p@60 Hz
720 × 480p@59.94/60 Hz
1440 × 480p@59.94/60 Hz (pixel sent 2 times)
1280 × 720p@59.94/60 Hz
1920 × 1080i@59.94/60 Hz
1920 × 1080p@59.94/60 Hz
720 × 576p@50 Hz
1440 × 576p@50 Hz (pixel sent 2 times)
1280 × 720p@50 Hz
1920 × 1080i@50 Hz
1920 × 1080p@50 Hz
1920 × 1080p@24 Hz

General (DA2400ES: US)

Power requirements 120 V AC, 60 Hz
Power output (DIGITAL MEDIA PORT)
DC OUT: 5 V, 0.7 A MAX
Power consumption 350 W
Power consumption (during standby mode)

Dimensions	0.7 W (when “HDMI Control” and “RS-232C Control” are set to “OFF”)
	17 × 6 1/4 × 15 3/8 inches (430 × 157.5 × 388 mm) (width/height/depth) including projecting parts and controls
Mass (Approx.)	26 lb 15 oz (12.2 kg)

General (DA2400ES: AEP, ECE, UK)

Power requirements	
Area code	Power requirements
CEL, CEK, ECE	230 V AC, 50/60 Hz

Power output (DIGITAL MEDIA PORT)
DC OUT: 5 V, 0.7 A MAX
Power consumption
Area code Power consumption
CEL, CEK, ECE 360 W

Power consumption (during standby mode)
0.7 W (When “Control for HDMI” is set to “OFF”)
Dimensions 430 × 157.5 × 388 mm (width/height/depth) including projecting parts and controls
Mass (Approx.) 12.5 kg

General (DG920)

Power requirements	
Area code	Power requirements
U, CA	120 V AC, 60 Hz

Power output (DIGITAL MEDIA PORT)
DC OUT: 5V, 0.7 A MAX

Power consumption	
Area code	Power consumption
U	350 W
CA	480 VA

Power consumption (during standby mode)
0.7 W (When “Control For HDMI” is set to “OFF”)
Dimensions (width/height/depth) (Approx.)
17 × 6 1/4 × 15 inches (430 × 157.5 × 378 mm) including projecting parts and controls
Mass (Approx.) 26 lb 1 oz (11.8 kg)

Supplied accessories

Operating Instructions
Quick Setup Guide (1)
GUI Menu List (1)
Optimizer microphone (ECM-AC2) (1)
FM wire antenna (aerial) (1)
AM loop antenna (aerial) (1)
AC power cord (mains lead) (1) (DA2400ES)
Remote commander (RM-AAP023) (1) (DG920)
Remote commander (RM-AAP024) (1) (DA2400ES: AEP, ECE, UK)
Remote commander (RM-AAP025) (1) (DA2400ES: US)
Remote commander (RM-AAU039) (1) (DA2400ES)
R6 (size-AA) batteries (4 (DA2400ES) or 2 (DG920))

Design and specifications are subject to change without notice.

- Abbreviation
ECE : Continental European, East European and Russian models

NOTES ON CHIP COMPONENT REPLACEMENT

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

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

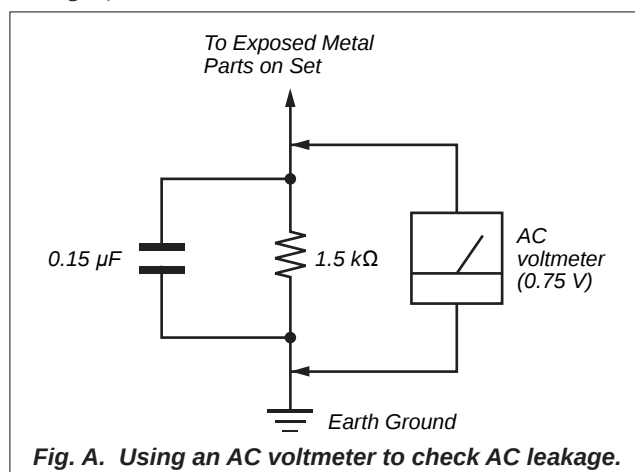
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.

Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

**SAFETY-RELATED COMPONENT WARNING!**

COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ 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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE $\triangle$ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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Accessories are given in the last of the electrical parts list.

- Abbreviation
ECE : Continental European, East European and Russian models

SECTION 1 SERVICING NOTES

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

LF : LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.

Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.

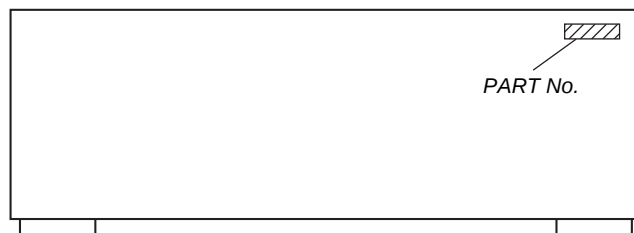
Soldering irons using a temperature regulator should be set to about 350 °C.

Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

MODEL IDENTIFICATION

– Back Panel –



Model	Part No.
DG920: US model	3-286-648-0□
DG920: Canadian model	3-286-648-1□
DA2400ES: US model	3-286-662-0□
DA2400ES: AEP and UK models	3-286-662-1□
DA2400ES: Continental European, East European and Russian models	3-286-662-7□

NOTE OF REPLACING THE IC3506 AND IC3508 ON THE DIGITAL VIDEO BOARD

IC3506 and IC3508 on the DIGITAL VIDEO board cannot exchange with single. When IC3506 and IC3508 on the DIGITAL VIDEO board are damaged, exchange the entire mounted board.

NOTE OF REPLACING THE IC5021 ON THE DSP BOARD

IC5021 on the DSP board cannot exchange with single. When IC5021 on the DSP board is damaged, exchange the entire mounted board.

NOTE OF REPLACING THE IC8018 ON THE MICON BOARD

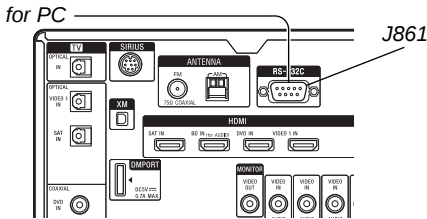
IC8018 on the MICON board cannot exchange with single. When IC8018 on the MICON board is damaged, exchange the entire mounted board.

UPDATE OF SOFTWARE OF IC8014 ON THE MICON BOARD

Perform operation of the following when the update of software of the IC8014 on the MICON board is necessary.

- DA2400ES: US model

Connect:

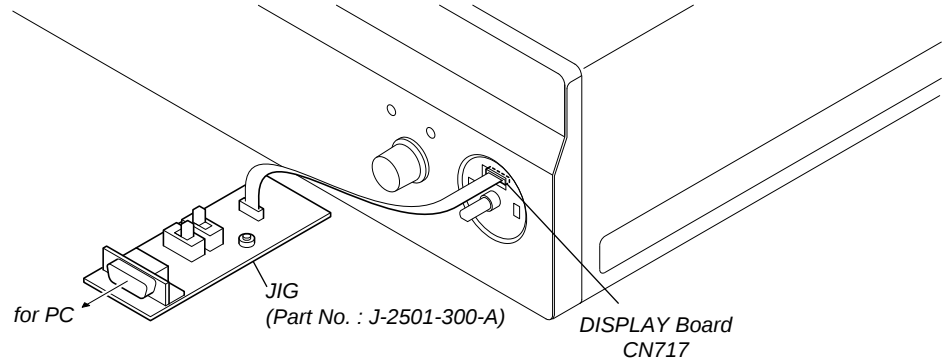


Procedure:

1. Connect J861 on the CIS board and PC by using the RS-232C cable.
2. Turn on the main power.
3. The update is executed by using PC.
4. When the update ends, turn off the main power.
5. Remove the RS-232C cable from the J861 on the CIS board and PC.

- DA2400ES: AEP, Continental European, East European, Russian and UK models/DG920

Connect:



Procedure:

1. Remove the KNOB (VOL) ASSY and connect CN717 on the DISPLAY board and PC by using the jig.
2. Turn on the main power.
3. The update is executed by using PC.
4. When the update ends, turn off the main power.
5. Remove the jig from the CN717 on the DISPLAY board and PC.

ERROR MESSAGES

If there is a malfunction, the display shows a code of two numbers and a message. You can check the condition of the system by the message. Refer to the following table to solve the problem.

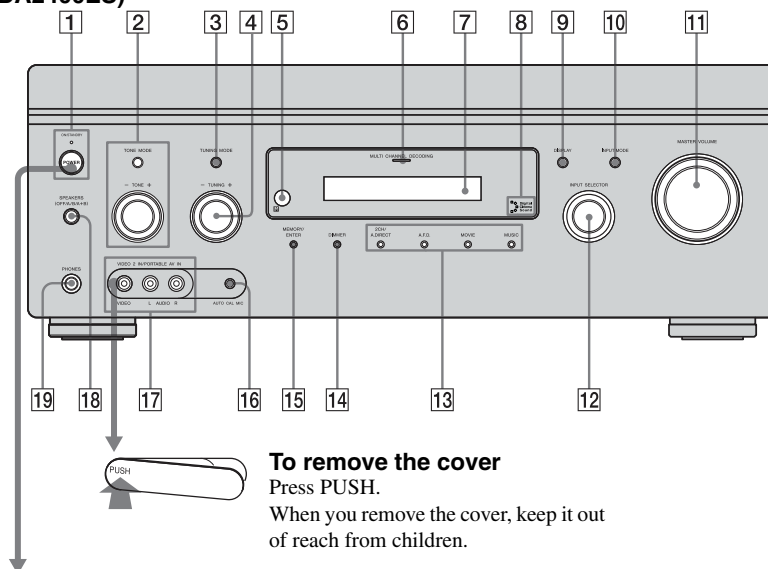
messages	cause and response
PROTECTOR	Irregular current is output to the speakers, or the upper panel of the receiver is covered with something. The receiver will automatically turn off after a few seconds. Cheack the speakers connection and turn on the power again.

SECTION 2 GENERAL

This section is extracted
from instruction manual.

Front panel

(DA2400ES)



To remove the cover

Press PUSH.

When you remove the cover, keep it out of reach from children.

Status of the POWER button

■ (Off)

The receiver is turned off (initial setting).

The ON/STANDBY lamp lights off.

Press POWER to turn the receiver on. You cannot turn the receiver on using the remote.

■ (On/Standby)

Press on the remote to turn the receiver on or set it to the standby mode.

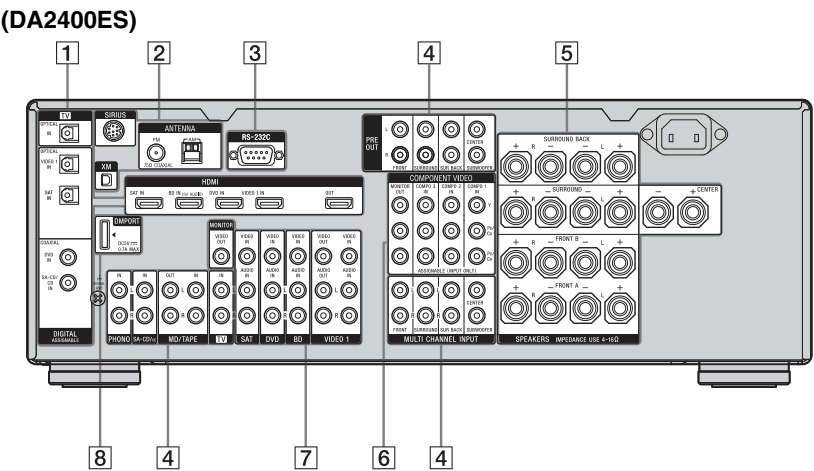
When you press POWER on the receiver, the receiver will be turned off.

Name	Function
1 POWER	Press to turn the receiver on or off.
ON/STANDBY lamp	Lights up in green when the receiver is turned on. Lights up in red when the receiver is set to standby mode.
2 TONE MODE TONE +/-	Adjusts the tonal quality (bass/treble level) of the front, center and surround speakers. Press TONE MODE repeatedly to select bass or treble level, then turn TONE +/- to adjust the level.
3 TUNING MODE	Press to select the tuning mode.
4 TUNING +/-	Turn to scan a station.
5 Remote sensor	Receives signals from remote commander.
6 MULTI CHANNEL DECODING lamp	Lights up when multi channel audio signals are decoded.

Name	Function
7 Display window	The current status of the selected component or a list of selectable items appears here.
8 Digital Cinema Sound lamp	Lights up when a sound field with D C S is selected.
9 DISPLAY	Press repeatedly to select information displayed on the display.
10 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks.
11 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time.
12 INPUT SELECTOR	Turn to select the input source to play back.

Name	Function
13 2CH/A.DIRECT A.F.D. MOVIE MUSIC	Press to select sound field.
14 DIMMER	Press repeatedly to adjust brightness of the display.
15 MEMORY/ENTER	Press to store a station or enter the selection when selecting the settings.
16 AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Digital Cinema Auto Calibration function.
17 VIDEO 2 IN/PORTABLE AV IN jacks	Connect to a portable audio/video component such as a camcorder or video game.
18 SPEAKERS (OFF/A/B/A+B)	Press to select the speaker system.
19 PHONES jack	Connects to headphones.

Rear panel



1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN/OUT jacks	Connect to a DVD player, etc. The COAXIAL jack provides a better sound quality.
	COAXIAL IN jacks	
	HDMI IN/OUT* jacks	Connect to a DVD player, Blu-ray Disc Player, or a satellite tuner. The image is output to a TV or a projector while the sound can be output from a TV or/and speakers connected to this receiver.

2 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna (aerial) supplied with this receiver.
	AM ANTENNA jack	Connects to the AM loop antenna (aerial) supplied with this receiver.
	XM jack (DA2400ES: US)	Connects to the XM Mini Tuner and Home Dock (not supplied).
	SIRIUS jack (DA2400ES: US)	Connects to a SiriusConnect Home tuner (not supplied).

3 RS-232C port (DA2400ES: US)

		Used for maintenance and service.
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4 AUDIO INPUT/OUTPUT section

	AUDIO IN/OUT jacks	Connect to a Super Audio CD player, etc..
	MULTI CHANNEL INPUT jacks	Connect to a Super Audio CD player, etc. with an analog audio jack for 7.1 channel or 5.1 channel sound.
	PRE OUT jacks	Connect to an external power amplifier.

5 SPEAKERS section

		Connects to speakers.
--	--	-----------------------

6 COMPONENT VIDEO INPUT/OUTPUT section

	Y, Pb/Cb, Pr/Cr IN/OUT* jacks	Connect to a DVD player, TV, or a satellite tuner etc..
--	-------------------------------	---

7 VIDEO/AUDIO INPUT/OUTPUT section

	AUDIO IN/OUT jacks	Connect to a VCR or a DVD player etc..
	VIDEO IN/OUT* jacks	

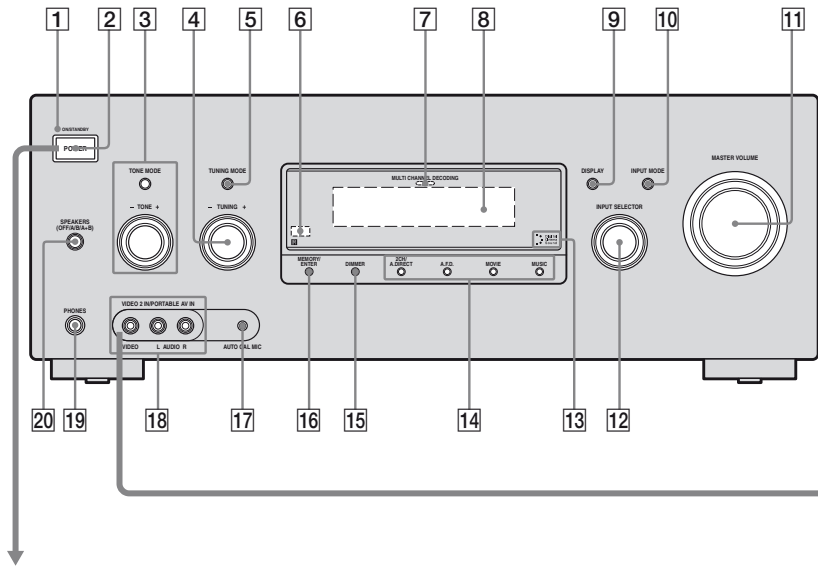
8 DMPORT

		Connects to a DIGITAL MEDIA PORT adapter.
--	--	---

* You can watch the selected input image when you connect the MONITOR OUT or HDMI OUT jack to a TV. You can operate this receiver using a GUI (Graphical User Interface).

Front panel

(DG920)



Status of the POWER button

■ (Off)
The receiver is turned off (initial setting). Press POWER to turn the receiver on. You cannot turn the receiver on using the remote.

■ (On/Standby)
Press I/ on the remote to turn the receiver on or set it to the standby mode. When you press POWER on the receiver, the receiver will be turned off.



To remove the cover
Press PUSH.
When you remove the cover, keep it out of reach from children.

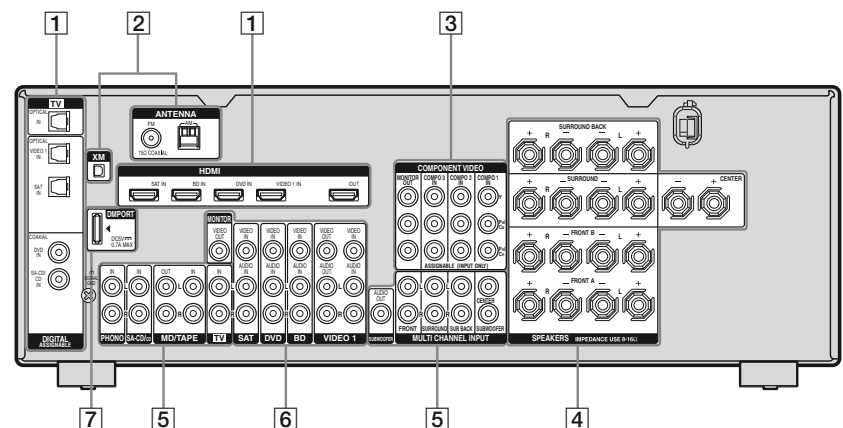
Name	Function
1 ON/STANDBY lamp	Lights up in green when the receiver is turned on. Lights up in red when the receiver is set to standby mode.
2 POWER	Press to turn the receiver on or off.
3 TONE MODE TONE +/-	Adjusts the tonal quality (bass/treble level) of the front, center and surround speakers. Press TONE MODE repeatedly to select bass or treble level, then turn TONE +/- to adjust the level.
4 TUNING +/-	Turn to scan a station.
5 TUNING MODE	Press to select the tuning mode.
6 Remote sensor	Receives signals from remote commander.
7 MULTI CHANNEL DECODING lamp	Lights up when multi channel audio signals are decoded.

Name	Function
8 Display	The current status of the selected component or a list of selectable items appears here.
9 DISPLAY	Press to select information displayed on the display.
10 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks.
11 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time.
12 INPUT SELECTOR	Turn to select the input source to playback.
13 Digital Cinema Sound lamp	Lights up when a sound field with DCS is selected.
14 2CH/A.DIRECT A.F.D. MOVIE MUSIC	Press to select a sound field.

Name	Function
15 DIMMER	Press to adjust the brightness of the display.
16 MEMORY/ENTER	Press to store a station or enter the selection when selecting the settings.
17 AUTO CAL MIC jack	Connects to the supplied optimizer microphone for the Auto Calibration function.
18 VIDEO 2 IN/PORTABLE AV IN jacks	Connects to a portable audio/video component such as a camcorder or video game.
19 PHONES jack	Connects to headphones.
20 SPEAKERS (OFF/A/B/A+B)	Press to select the speaker system.

Rear panel

(DG920)



1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN jacks	Connects to a DVD player, etc. The COAXIAL jack provides a better quality sound.
	COAXIAL IN jacks	
	HDMI IN/OUT* jacks	Connects to a DVD player, satellite tuner, or a Blu-ray disc player. The image is output to a TV or a projector while the sound can be output from a TV or/and speakers connected to this receiver.

2 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna (aerial) supplied with this receiver.
	AM ANTENNA terminals	Connects to the AM loop antenna (aerial) supplied with this receiver.
	XM jack	Connects to the XM Mini-Tuner and Home Dock (not supplied).

3 COMPONENT VIDEO INPUT/OUTPUT section

	Y, Pb/Cb, Pr/Cr IN/OUT* jacks	Connects to a DVD player, TV, satellite tuner, etc..

4 SPEAKERS section

		Connects to speakers.
--	--	-----------------------

5 AUDIO INPUT/OUTPUT section

	AUDIO IN/OUT jacks	Connects to a Super Audio CD player, etc..
	MULTI CHANNEL INPUT jacks	Connect to a Super Audio CD player, etc. with an analog audio jack for 7.1 channel or 5.1 channel sound.

	AUDIO OUT jack	Connects to subwoofer.
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6 VIDEO/AUDIO INPUT/OUTPUT section

	AUDIO IN/OUT jacks	Connects to a VCR, DVD player, etc..
	VIDEO IN/OUT* jacks	

7 DMPORT

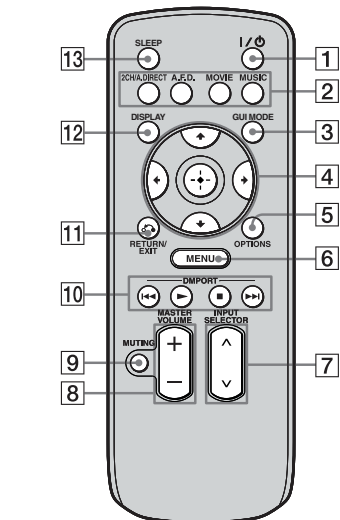
	DMPORT jack	Connects to a DIGITAL MEDIA PORT adapter.
--	--------------------	---

* You can watch the selected input image when you connect the MONITOR OUT or HDMI OUT jack to a TV. You can operate this receiver using a GUI (Graphical User Interface).

Remote commander

RM-AAU039 (DA2400ES)

This remote can only be used to operate the receiver. You can control the main functions of the receiver with simple operations using this remote.



Name	Function
1 I/O (on/standby)	Press to turn a receiver on or off.
2 2CH/A.DIRECT A.F.D. MOVIE MUSIC	Press to select sound field.
3 GUI MODE	Press to display the GUI menu on the TV screen.
4	After pressing GUI MODE ([3]), press /// to select the menu items. Then press to enter the selection.
5 OPTIONS	Press to display and select items from option menus.
6 MENU	Press to display the menu to operate the receiver.
7 DMPORT	Press to operate component connected to the DIGITAL MEDIA PORT adapter.
	Starts play.
	Stops play.
	Skips tracks.
8 INPUT SELECTOR	Press to select the input source to play back.
9 MASTER VOLUME +/-	Press to adjust the volume level.
10 MUTE	Press to turn off the sound temporarily. Press the button again to restore the sound.
11 RETURN/EXIT	Press to return to the previous menu or exit the menu.
12 DISPLAY	Press to select information displayed in the display window.
13 SLEEP	Press to activate the sleep timer function and the duration which the receiver turns off automatically.

• Abbreviation

ECE : Continental European, East European and Russian models

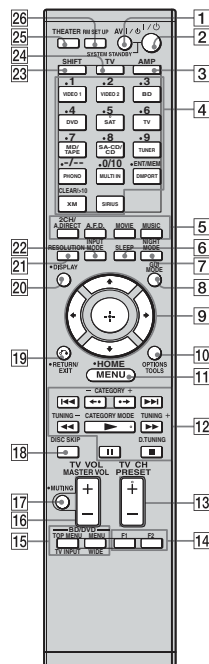
You can use the supplied remote to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate.

You can also program the remote to control non-Sony audio/video components. For details, see "Programming the remote".

RM-AAP023 (DG920)

RM-AAP024 (DA2400ES: AEP, ECE, UK)

RM-AAP025 (DA2400ES: US)



Name	Function
1 AV I/⏻ (on/standby)	Press to turn on or off the audio/video components that the remote is programmed to operate. To turn the TV on or off, press TV (24) and then press AV I/⏻. If you press I/⏻ (2) at the same time, it will turn off the receiver and other components (SYSTEM STANDBY). Note The function of the AV I/⏻ switch changes automatically each time you press the input buttons (4).
2 I/⏻ (on/standby)	Press to turn the receiver on or set it to standby mode. To turn off all components, press I/⏻ and AV I/⏻ (1) at the same time (SYSTEM STANDBY). Saving the power in standby mode. When "Control for HDMI" and "RS-232C Control" is set to "OFF".
3 AMP	Press to enable the receiver operation.
4 Input buttons	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components. You can program the remote to control non-Sony components following the steps in "Programming the remote".
VIDEO 1	VCR, etc., connected to the VIDEO 1 jack.
VIDEO 2	Video camera and TV game, etc., connected to the VIDEO 2 IN/PORTABLE AV IN jack.
BD	Blu-ray disc player, etc., connected to the BD jack.
DVD	DVD player, etc., connected to the DVD jack.

Name	Function
Selected input	Components that can be played back
SAT	Satellite tuner, etc., connected to the SAT jack.
TV	TV connected to the TV jack.
MD/TAPE	MD or Tape deck, etc., connected to the MD/TAPE jack.
SA-CD/CD	Super Audio CD or CD player, etc., connected to the SA-CD/CD jack.
TUNER	Built-in radio tuner.
PHONO	Turntable, etc., connected to the PHONO jack.
MULTI IN	Component connected to the MULTI CHANNEL INPUT jack.
DMPORT	Portable audio, etc., connected to the DIGITAL MEDIA PORT adapter connected to the receiver.
XM (DA2400ES: US/ DG920)	XM Mini-Tuner and Home Dock connected to the XM jack.
SIRIUS (DA2400ES: US)	SiriusConnect Home tuner connected to the SIRIUS jack.
Numeric buttons (number 5^a)	Press SHIFT (23) and then press numeric buttons to – preset/tune to preset stations. – select track numbers of the CD player, VCD player, LD player, DVD player, MD deck, DAT deck, or tape deck. Press 0/10 to select track number 10. – select channel numbers of the VCR, satellite tuner, Blu-ray disc player, PSX, DVD/VHS COMBO, or DVD/HDD COMBO. Press TV (24), and then press the numeric buttons to select the TV channels.
ENT/MEM	Press SHIFT (23) and then press ENT/MEM to – enter the value after selecting a channel, disc or track using the numeric buttons of the VCR, CD player, VCD player, LD player, MD deck, DAT deck, tape deck, satellite tuner, Blu-ray disc player, or PSX. To enter the value of Sony TV, press TV (24) and then press ENT/MEM.
CLEAR	Press SHIFT (23) and then press CLEAR to – clear a mistake when you press the incorrect numeric button of the DVD player, Blu-ray disc player, PSX, satellite tuner, DVD/VHS COMBO, or DVD/HDD COMBO. – return to continuous playback, etc. of the satellite tuner or DVD player.
-/-	Press SHIFT (23) and then press -/- to select the channel entry mode, either one or two digit of the VCR or satellite tuner. To select the channel entry mode of the TV, press TV (24) and then press -/-.
>10	Press SHIFT (23) and then press >10 to – select track numbers over 10 of the CD player, VCD player, LD player, MD deck, tape deck, TV, VCR, or satellite tuner. – select channel numbers of the Digital CATV terminal.
5 2CH/ A.DIRECT	Press to select a sound field.
A.F.D.	
MOVIE	
MUSIC	
6 SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.
7 NIGHT MODE	Press to activate the Night Mode function.
8 GUI MODE	Press to display the GUI menu on the TV screen.

Name	Function
9 ⊕, ⏮/⏪/⏩/⏭	After pressing AMP (3), press HOME/MENU (11) for receiver operation, then press ⏮/⏪/⏩/⏭ to select the settings. After pressing BD/DVD TOP MENU (15) or BD/DVD MENU (15), press ⏮/⏪/⏩/⏭ to select the settings, and then press ⊕ to enter the selection. Press ⊕ also to enter the selection of the receiver, VCR, satellite tuner, DVD player, Blu-ray disc player, PSX, DVD/VHS COMBO, or DVD/HDD COMBO.
10 OPTIONS TOOLS	Press to display and select items from the option menus for receiver, DVD player, Blu-ray Disc Player, Satellite tuner and PSX. Press TV (24) and then press TOOLS to display the options of Sony TV.
11 HOME/MENU	Press to display the menus of the receiver, VCR, DVD player, satellite tuner, Blu-ray disc player, PSX, DVD/VHS COMBO, or DVD/HDD COMBO on the TV screen. Then, use ⏮/⏪/⏩/⏭ and ⊕ to perform menu operations. To display the menus of Sony TV, press TV (24) and then press HOME/MENU.
12 ⏮/⏪/⏩/⏭ b)	Press to skip tracks of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc player, PSX, DVD/VHS COMBO, or DVD/HDD COMBO. Press to – search tracks in the forward/backward direction of the CD player, VCD player, DVD player, LD player, MD deck, Blu-ray disc player, PSX, DVD/VHS COMBO, or DVD/HDD COMBO. – fast forward/rewind of the VCR, DAT deck, or tape deck.
▶ a/b)	Press to start playback of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc player, PSX, DVD/VHS COMBO, or DVD/HDD COMBO.
II b)	Press to pause playback or recording of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc player, PSX, DVD/VHS COMBO, or DVD/HDD COMBO. (Also starts recording with components in recording standby.)
■ b)	Press to stop playback of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc player, PSX, DVD/VHS COMBO, or DVD/HDD COMBO.
TUNING +/-	Press to scan a station.
D.TUNING	Press to enter direct tuning mode.
⏮/⏪	Press to replay the previous scene or fast forward the current scene of the DVD player, Blu-ray disc player, DVD/VHS COMBO, or DVD/HDD COMBO.
CATEGORY +/-	Press to select a category for satellite tuner.
CATEGORY MODE	Press to select the category mode for satellite tuner.
13 TV CH +/- a)/-	Press TV (24) and then press TV CH +/- to select preset TV channels.
PRESET + a)/-	Press to – select preset stations. – select preset channels of the VCR, satellite tuner, Blu-ray disc player, DVD player, DVD/VHS COMBO, or DVD/HDD COMBO.
14 F1, F2	Press F1 or F2 to select a component. • DVD/HDD COMBO F1: HDD mode F2: DVD mode • DVD/VHS COMBO F1: DVD mode F2: VHS mode

Name	Function
15 BD/DVD TOP MENU	Press to display the menu or on-screen guide of the DVD or Blu-ray disc on the TV screen. Then, use ⏮/⏪/⏩/⏭ and ⊕ to perform menu operations.
BD/DVD MENU	Press to display the menu of the DVD or Blu-ray disc on the TV screen. Then, use ⏮/⏪/⏩/⏭ and ⊕ to perform menu operations.
TV INPUT	Press TV (24) and then press TV INPUT to select the input signal (TV input or video input).
WIDE	Press TV (24) and then press WIDE to select the wide picture mode.
16 TV VOL +/-	Press TV (24) and then press TV VOL +/- to adjust the TV volume level.
MASTER VOL +/-	Press to adjust the volume level of all speakers at the same time.
17 MUTING	Press to turn off the sound temporarily. Press MUTING again to restore the sound. Press TV (24), and then press MUTING to activate the TV's muting function.
18 DISC SKIP	Press to skip disc of the CD player, VCD player, DVD player, or MD deck (multi-disc changer only).
19 RETURN/EXIT ⏮	Press to – return to the previous menu. – exit the menu while the menu or on-screen guide of the VCD player, LD player, DVD player, Blu-ray disc player, PSX, DVD/VHS COMBO, or satellite tuner is displayed on the TV screen. To return to the previous menu of Sony TV, press TV (24) and then press RETURN/EXIT ⏮.
20 DISPLAY	Press to select information displayed on the display window or TV screen of the VCR, VCD player, LD player, DVD player, CD player, MD deck, Blu-ray disc player, PSX, satellite tuner, DVD/VHS COMBO, or DVD/HDD COMBO. To select information of Sony TV, press TV (24) and then press DISPLAY.
21 RESOLUTION	Press repeatedly to change the resolution of signals output from the HDMI OUT or COMPONENT VIDEO MONITOR OUT jack.
22 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks.
23 SHIFT	Press to light up the buttons. It changes the remote button function to activate the buttons with pink printing.
24 TV	Press to light up the button. It changes the remote key function to activate the buttons with yellow printing. It also activates the DISPLAY (20), OPTIONS TOOLS (10), HOME/MENU (11), RETURN/EXIT ⏮ (19), ⊕ (9), and ⏮/⏪/⏩/⏭ (9) buttons to perform menu operations for Sony TVs only.
25 THEATER	Press to enjoy optimal image suited for movies and to output the sound from the speakers connected to this receiver automatically. Note This button will only function if your TV is compatible with Theater Mode. For details, refer to the operating instructions supplied with the TV.
26 RM SET UP	Press to set up the remote.

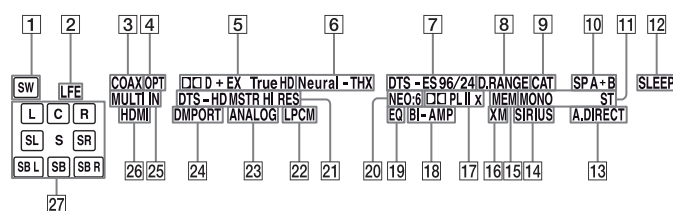
a) The number 5, TV CH +, PRESET + and ▶ buttons have tactile dots. Use the tactile dots as references when operating the receiver.

b) See the table for information on the buttons that you can use to control each component.

Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

About the indicators on the display window



Name	Function
1 SW	Lights up when subwoofer is connected and the audio signal is output from the SUBWOOFER jack. While this indicator lights up, the receiver creates a subwoofer signal based on the LFE signal in the disc being played back or the low frequency components of the front channels.
2 LFE	Lights up when the disc being played back contains an LFE (Low Frequency Effects) channel and the LFE channel signal is actually being reproduced. Since the LFE signal is not recorded in all parts of the input signal the bar indication will fluctuate (and may turn off) during playback.
3 COAX	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the COAXIAL jack.
4 OPT	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the OPTICAL jack.
5 D+ D EX+ D+ TrueHD	"D+ D" lights up when the receiver is decoding Dolby Digital signals. "D+ D EX" lights up when the receiver is decoding Dolby Digital Surround EX signals. "D+ D+" lights up when the receiver is decoding Dolby Digital Plus signals. "D+ TrueHD" lights up when the receiver is decoding Dolby TrueHD signals. Note When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is set to "AUTO".
6 Neural-THX	Lights up when the receiver applies Neural-THX processing to input signals.
7 DTS/ DTS-ES/ DTS 96/24	"DTS" lights up when the receiver is decoding DTS signals. "DTS-ES" lights up when the receiver is decoding DTS-ES signals. "DTS 96/24" lights up when the receiver is decoding DTS 96/24 (DTS 96 kHz/24 bit) signals. Note When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is set to "AUTO".

Name	Function
8 D.RANGE	Lights up when dynamic range compression is activated.
9 CAT (DA2400ES: US/ DG920)	Lights up when category mode is selected during the satellite radio operation.
10 SP A/SP B/ SP A+B	Lights up according to the speaker system used (page 44). However, these indicators do not light up if the speaker output is turned off or if headphones are connected.
11 Tuner indicators	Lights up when using the receiver to tune in radio stations, etc.
12 SLEEP	Lights up when the sleep timer is activated.
13 A.DIRECT	Lights up when the receiver is processing Analog Direct signals.
14 SIRIUS	Lights up when the SiriusConnect Home tuner is connected and "SIRIUS" is selected.
15 MEM	Lights up when a memory function, such as Preset Memory etc., is activated.
16 XM (DA2400ES: US/ DG920)	Lights up when XM Mini-Tuner and Home Dock are connected and "XM" is selected.
17 PL/ PL II/ PL IIx	"PL" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "PL II" lights up when the Pro Logic II decoder is activated. "PL IIx" lights up when the Pro Logic IIx decoder is activated. However, these indicators do not light up if both the center and surround speakers are not connected and you select a sound field using the A.F.D. button. Note Dolby Pro Logic IIx decoding does not function for signals with a sampling frequency of more than 48 kHz.
18 BI-AMP (DA2400ES)	Lights up when BI-AMP Speaker setting is set to "ON".
19 EQ	Lights up when the equalizer is activated.
20 NEO:6	Lights up when DTS Neo:6 Cinema/Music decoding is activated.

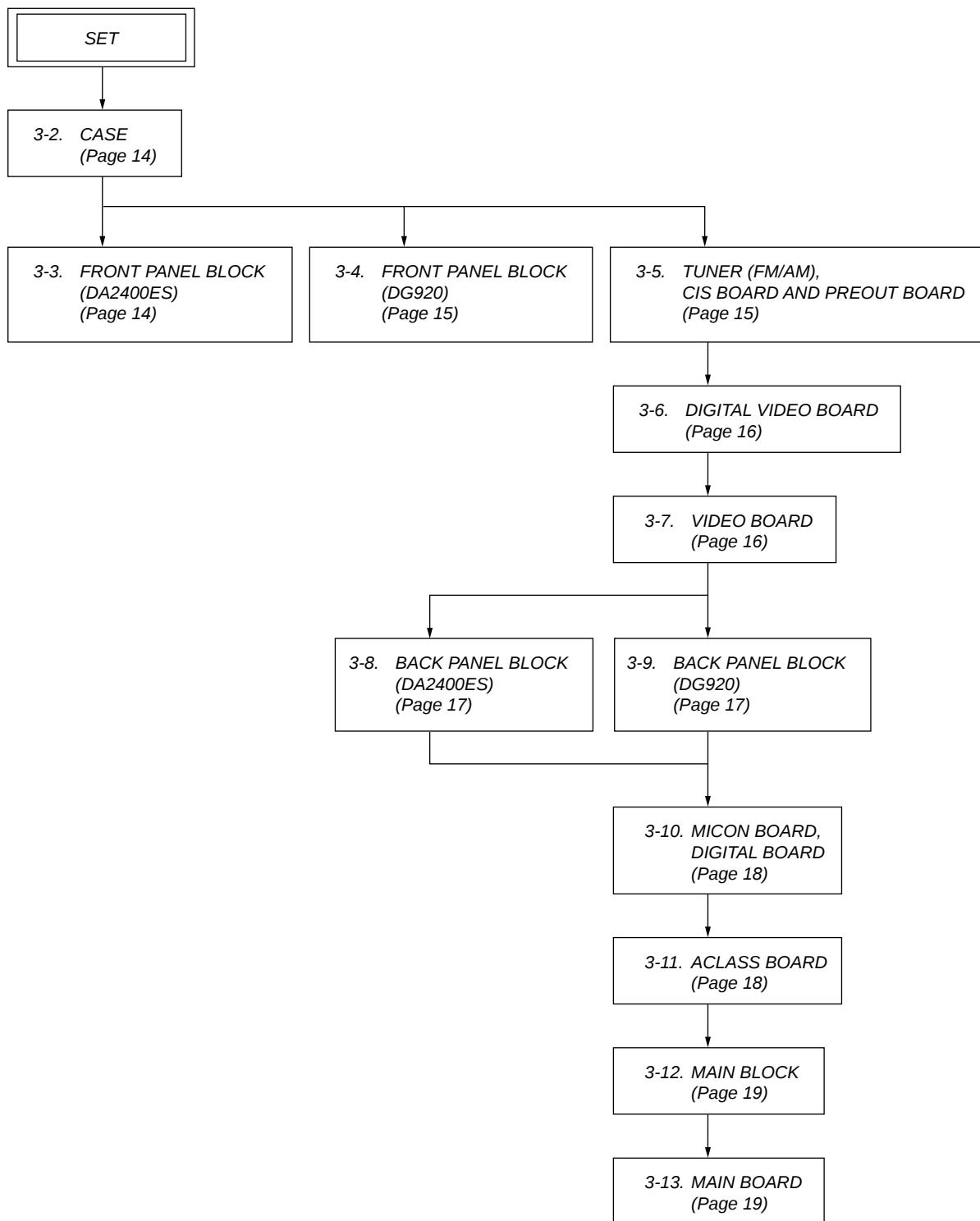
Name	Function
21 DTS-HD MSTR/ DTS-HD HI RES	"DTS-HD MSTR" lights up when the receiver is decoding DTS-HD Master Audio signals. "DTS-HD HI RES" lights up when the receiver is decoding DTS-HD High Resolution signals.
22 LPCM	Lights up when Linear PCM signals are detected.
23 ANALOG	Lights up when - INPUT MODE is set to "AUTO" and no digital signal is being input through the COAXIAL, OPTICAL or HDMI jacks. - INPUT MODE is set to "ANALOG", - the "Analog Direct" is being used.
24 DMPort	Lights up when DIGITAL MEDIA PORT adapter is connected and "DMPort" is selected.
25 MULTI IN	Lights up when multi channel input is selected.
26 HDMI	Lights up when the receiver recognizes a component connected via an HDMI IN jack.
27 Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speaker settings). L Front Left R Front Right C Center (monaural) SL Surround Left SR Surround Right S Surround (monaural or the surround components obtained by Pro Logic processing) SBL Surround Back Left SBR Surround Back Right SB Surround Back (the surround back components obtained by 6.1 channel decoding) Example: Recording format (Front/ Surround): 3/2.1 When Speaker Pattern is set to "3/0.1" Sound Field: A.F.D. AUTO



SECTION 3 DISASSEMBLY

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

3-1. DISASSEMBLY FLOW

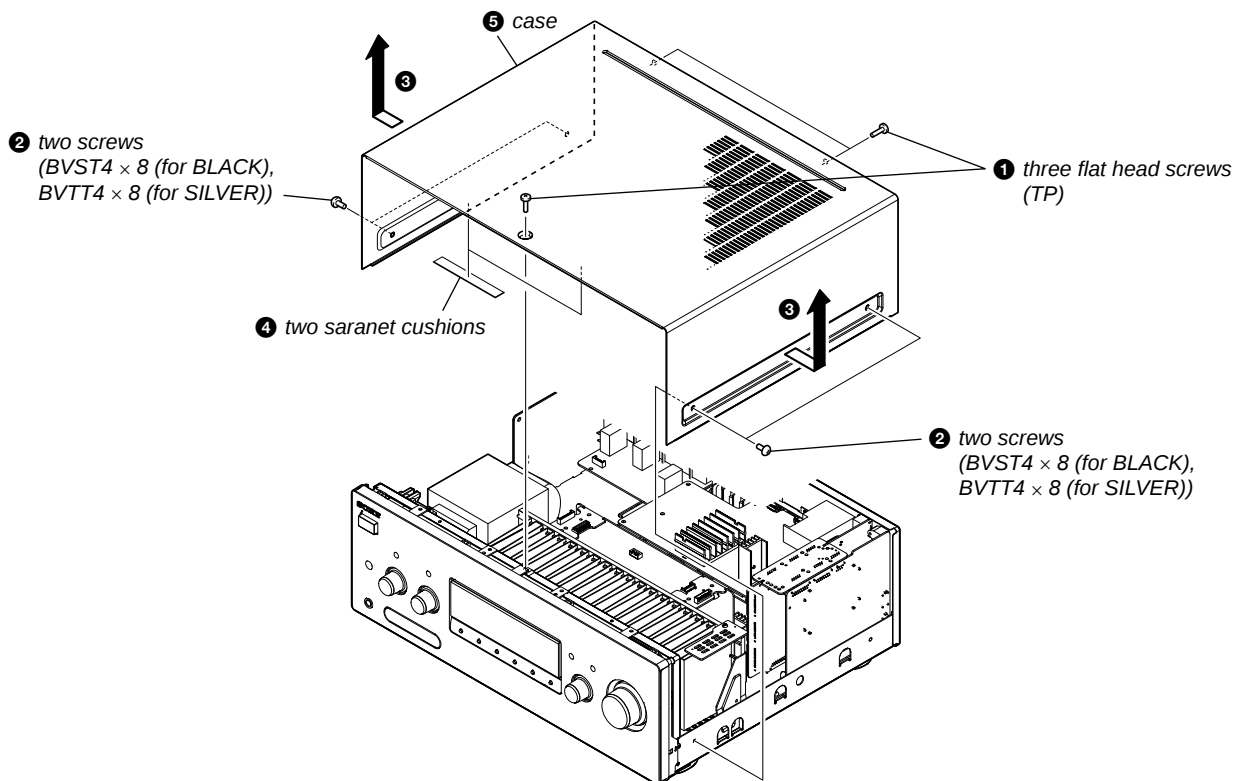


STR-DA2400ES/DG920

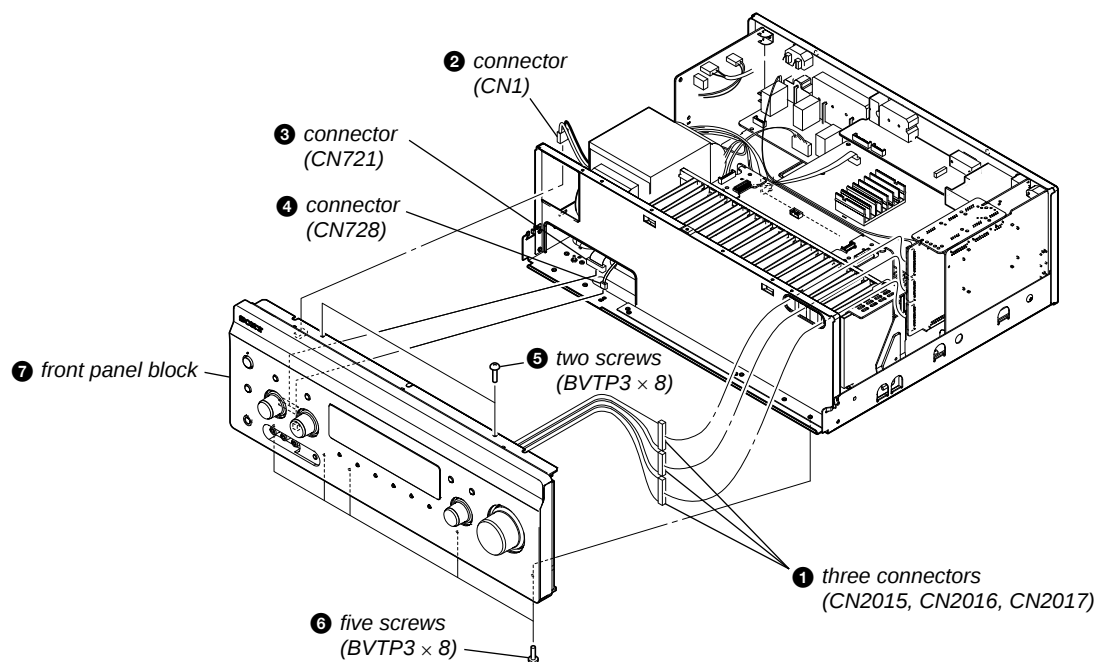
Note: Follow the disassembly procedure in the numerical order given.

3-2. CASE

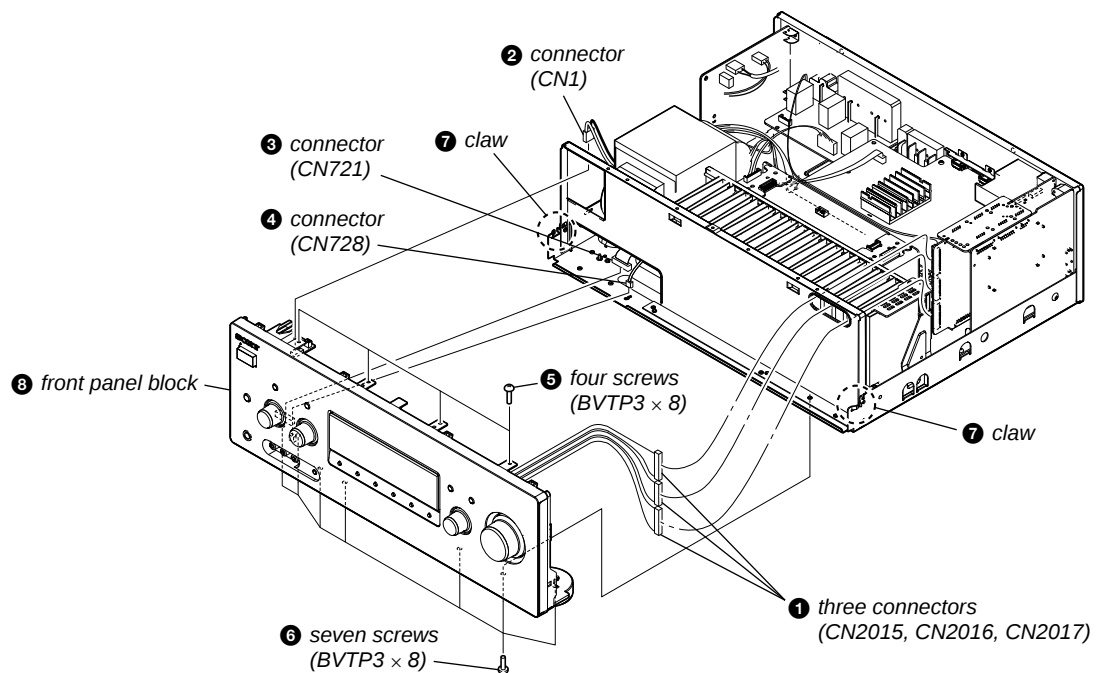
Note: Both STR-DA2400ES and STR-DG920 can be removed through the same procedure.



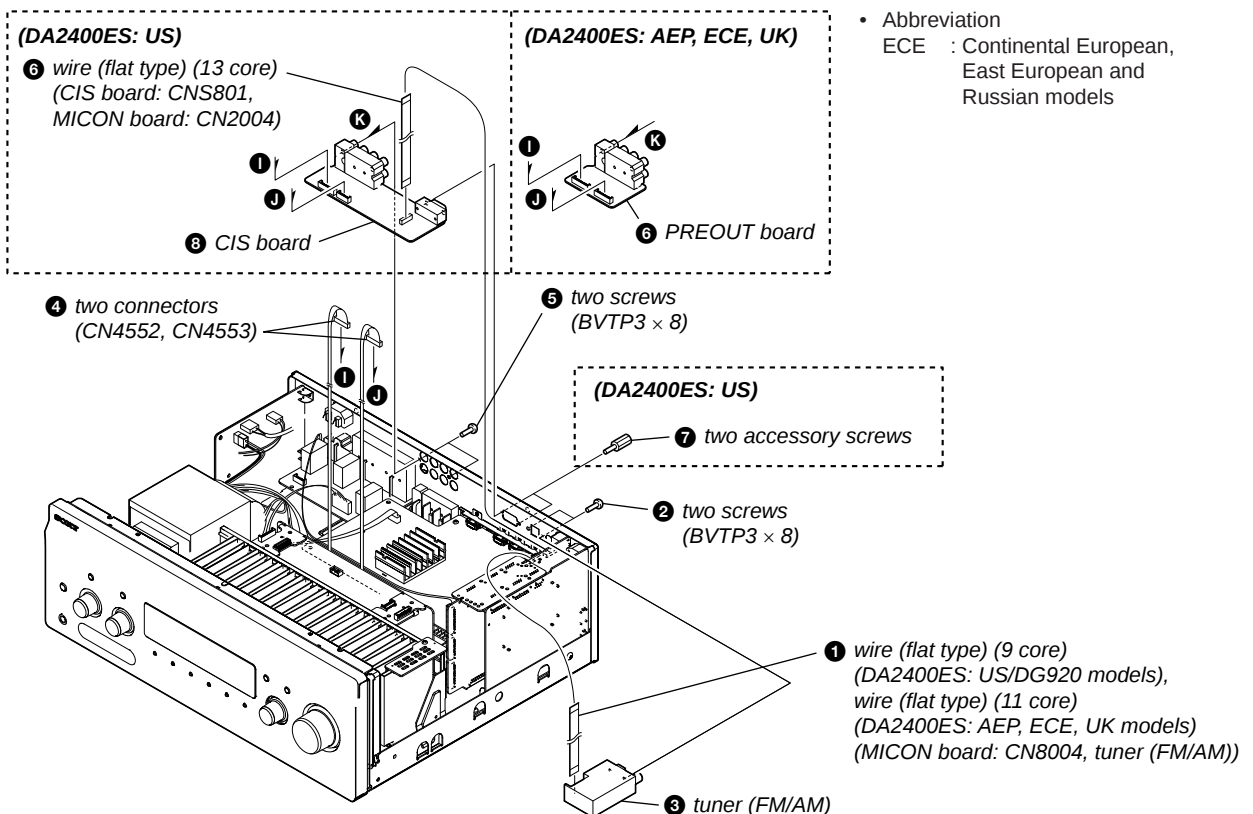
3-3. FRONT PANEL BLOCK (DA2400ES)



3-4. FRONT PANEL BLOCK (DG920)

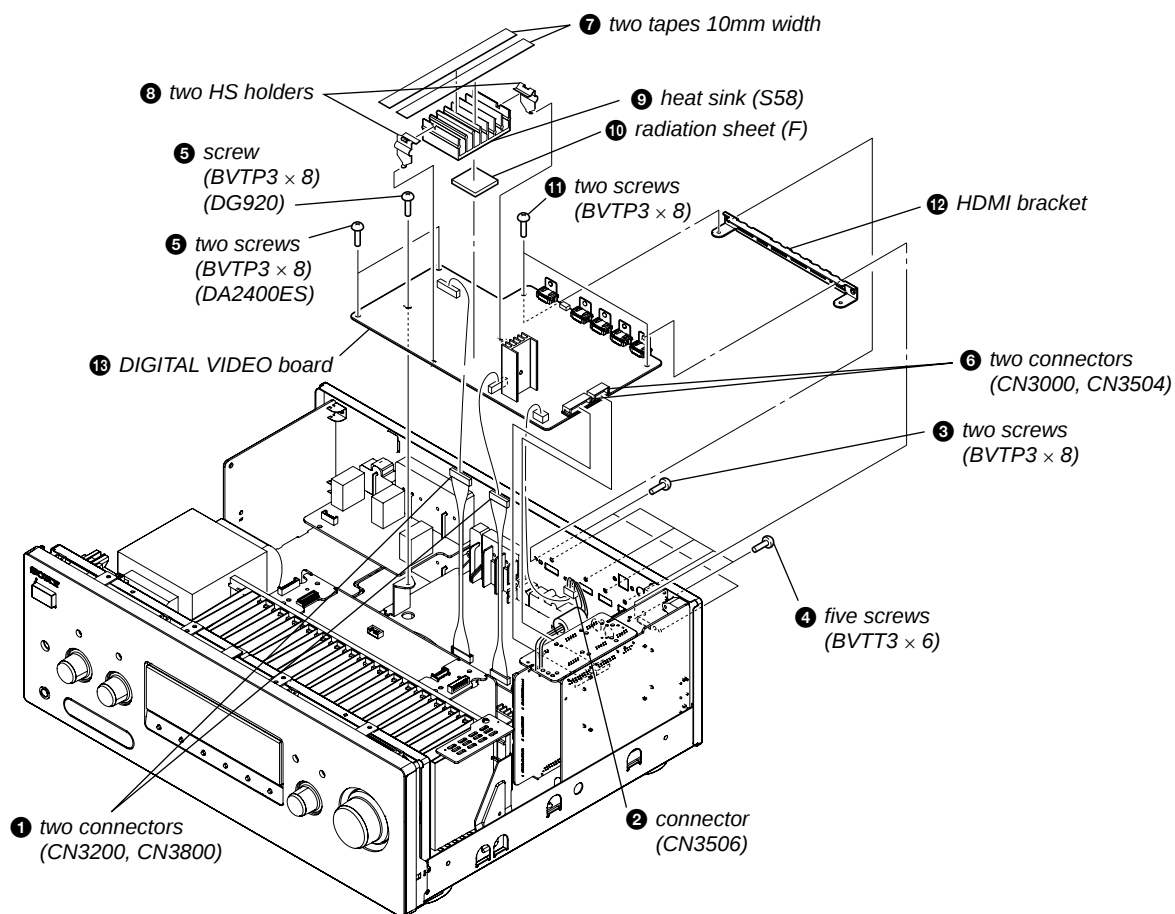


3-5. TUNER (FM/AM), CIS BOARD AND PREOUT BOARD



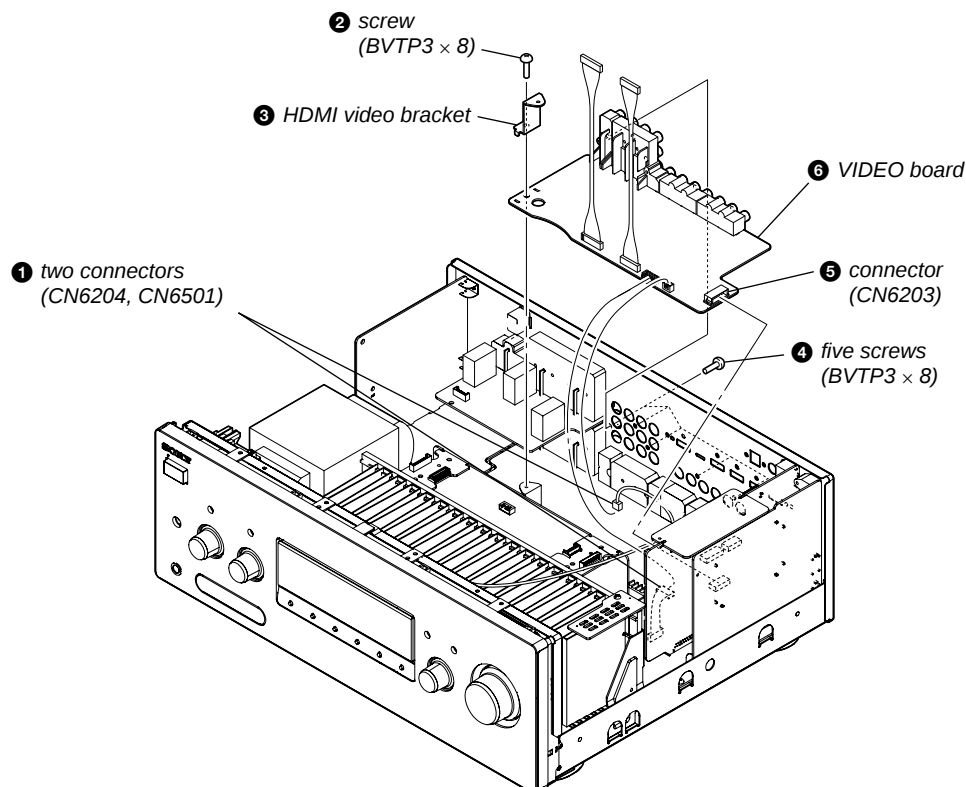
3-6. DIGITAL VIDEO BOARD

Note: Both STR-DA2400ES and STR-DG920 can be removed through the same procedure.

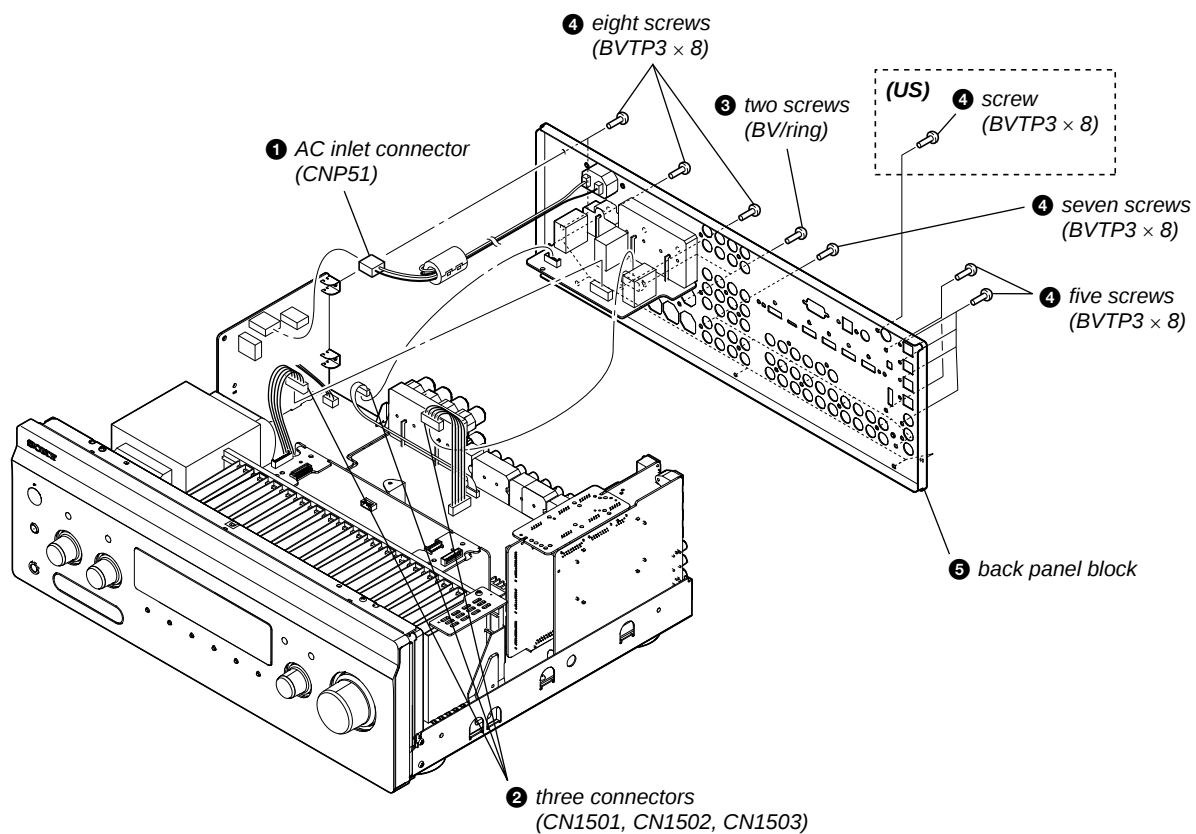


3-7. VIDEO BOARD

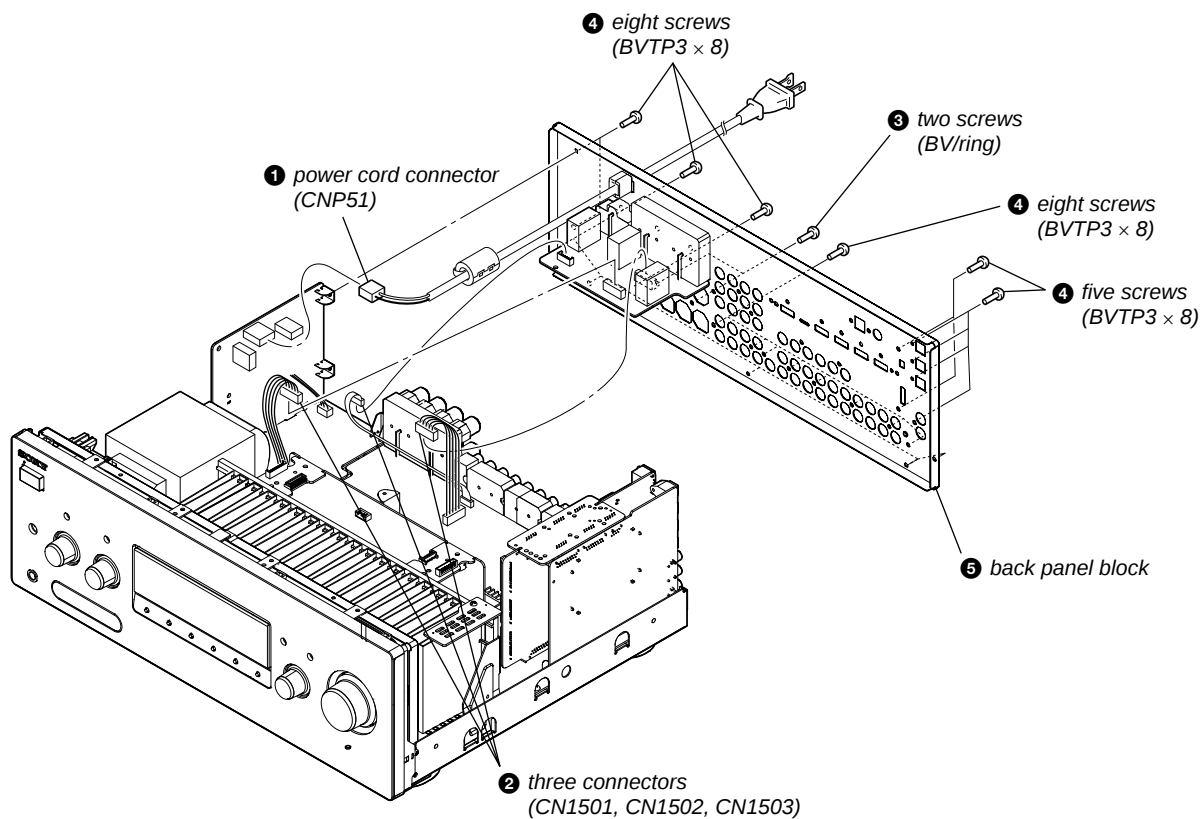
Note: Both STR-DA2400ES and STR-DG920 can be removed through the same procedure.



3-8. BACK PANEL BLOCK (DA2400ES)

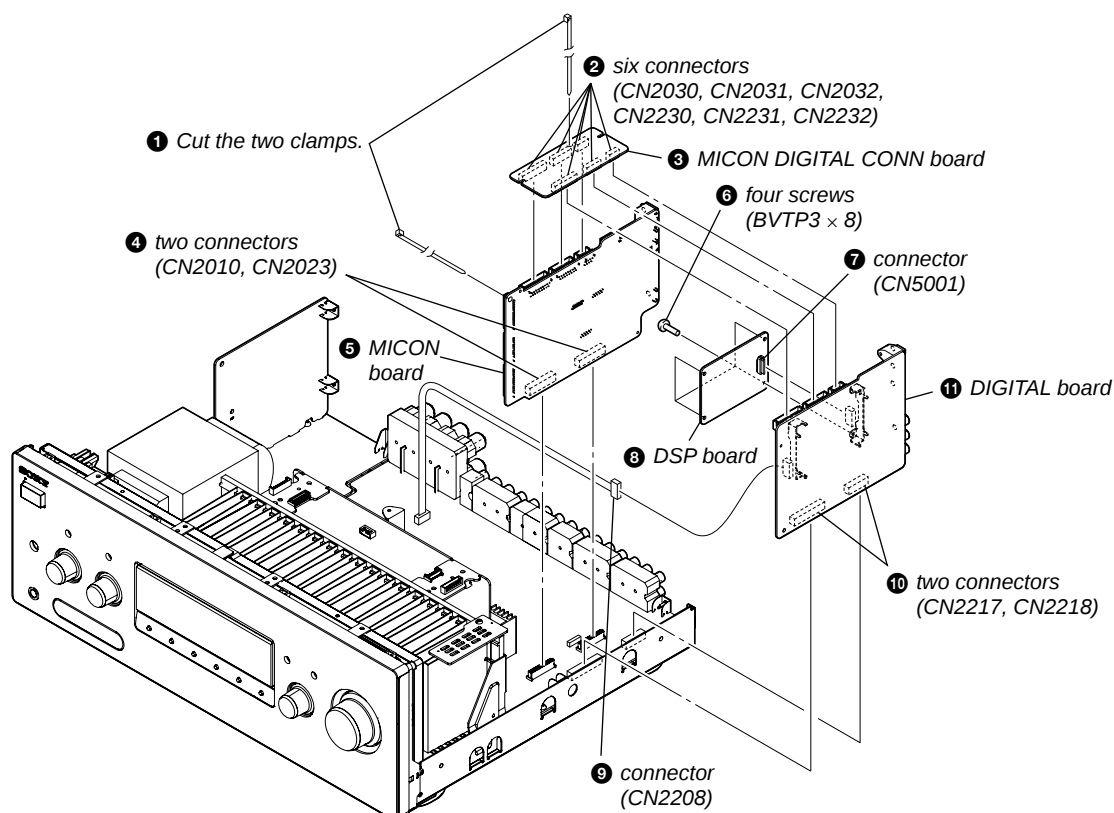


3-9. BACK PANEL BLOCK (DG920)



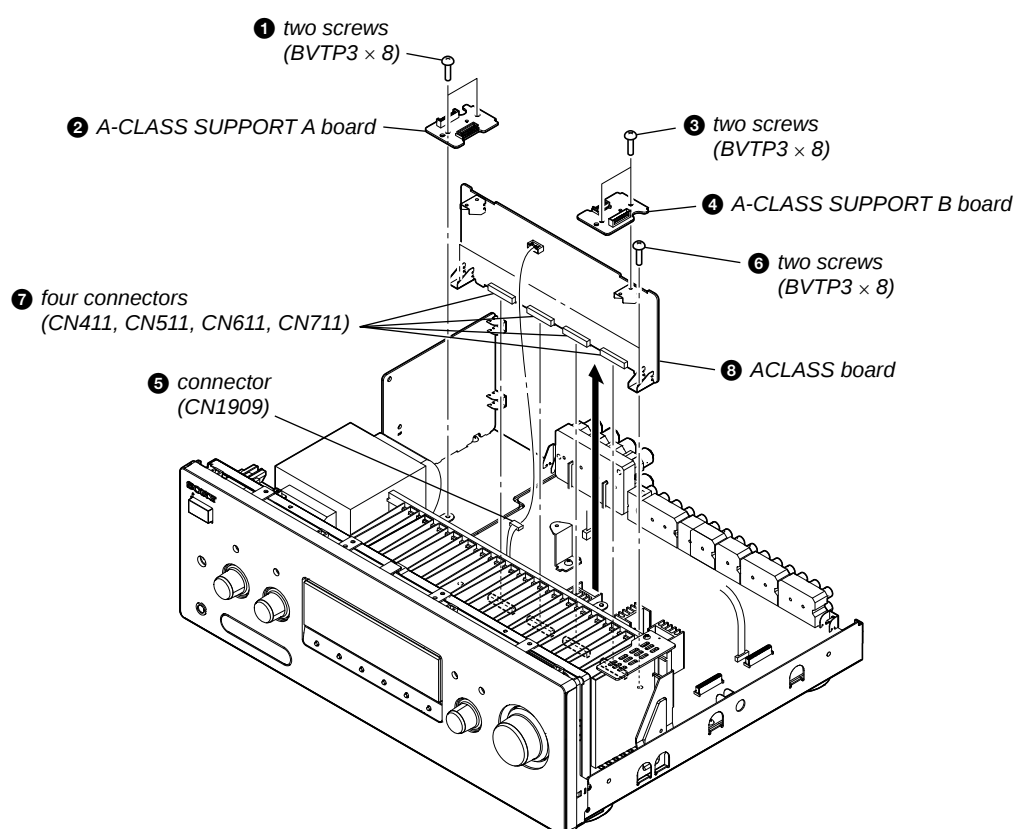
3-10. MICON BOARD, DIGITAL BOARD

Note: Both STR-DA2400ES and STR-DG920 can be removed through the same procedure.



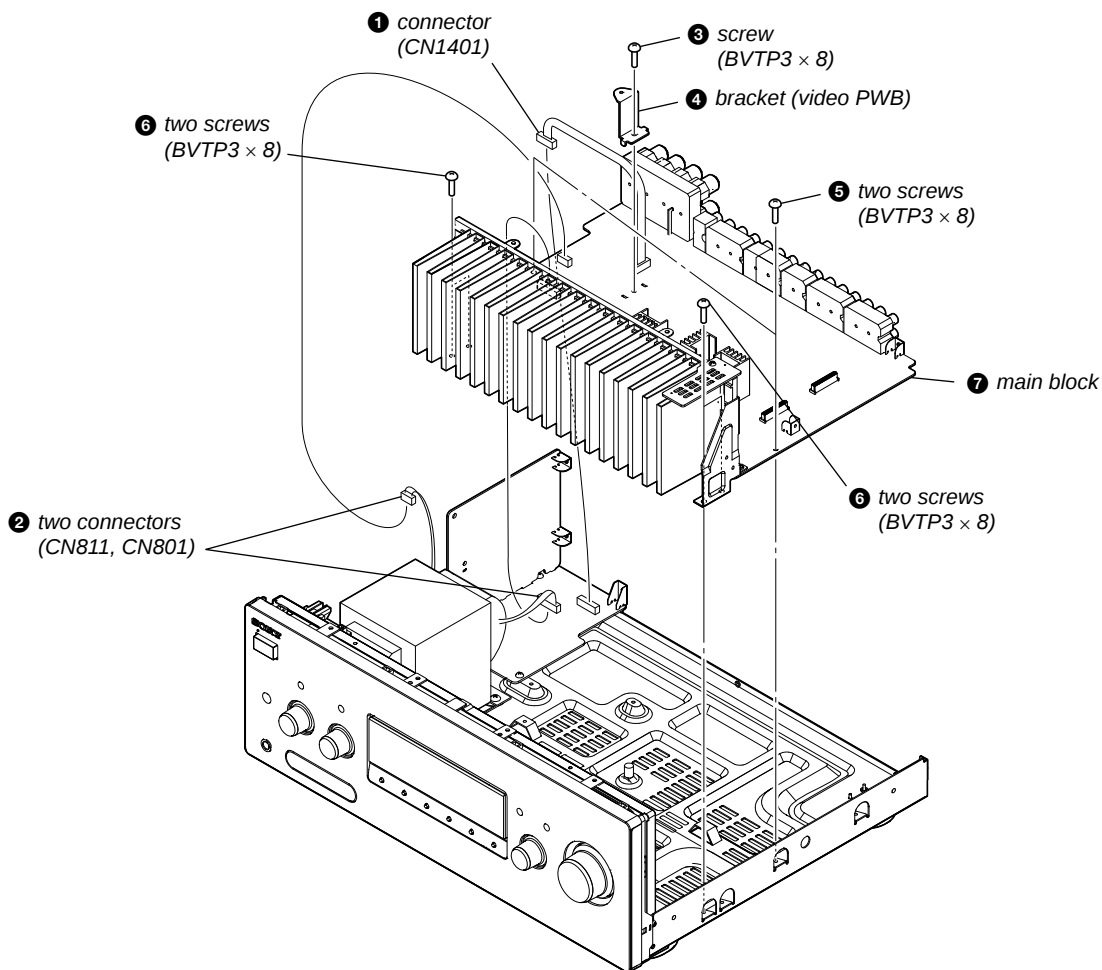
3-11. ACLASS BOARD

Note: Both STR-DA2400ES and STR-DG920 can be removed through the same procedure.



3-12. MAIN BLOCK

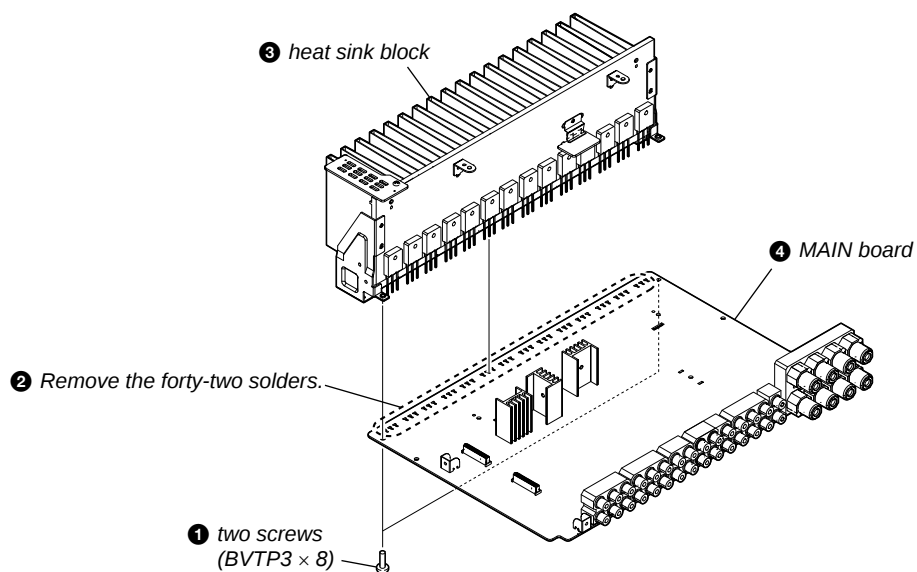
Note: Both STR-DA2400ES and STR-DG920 can be removed through the same procedure.



3-13. MAIN BOARD

Note 1: Both STR-DA2400ES and STR-DG920 can be removed through the same procedure.

Note 2: This illustration sees the MAIN board from pin jack side.



SECTION 4

TEST MODE

TUNER AM STEP CHANGE MODE

(DA2400ES: US/DG920 only)

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Press the [POWER] button to turn on the main power.
2. Turn the [INPUT SELECTOR] dial to select the “AM TUNER”.
3. Press the [POWER] button to turn off the main power.
4. While pressing the [TUNING MODE] button, press the [POWER] button to turn on the main power.
5. Either the message “AM 9k Step” or “AM10k Step” appears, select the desired step.

SOUND FIELD CLEAR MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [MUSIC] button, press the [POWER] button to turn on the main power.
2. The message “S.F. CLEAR” appears and initialization is performed.

INITIALIZE MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [TONE MODE] and [2CH/A.DIRECT] buttons, press the [POWER] button to turn on the main power.
2. The message “CLEARING” appears and the memories are reset to the default values.
3. When done, the message “CLEARED !” appears.

FLUORESCENT INDICATOR TUBE DISPLAY TEST

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing the [TONE MODE] and [A.F.D.] buttons, press the [POWER] button to turn on the main power.
2. All segments and all LEDs turn on.

SWAP MODE

The signal will be swap to all channel so that all speaker will have sound output.

Procedure:

1. While pressing the [MEMORY/ENTER] and [2CH/A.DIRECT] buttons, press the [POWER] button to turn on the main power.
2. The message “SWAP MODE” appears. (No change while displayed.)

SOUND FIELD LOCK ON/OFF CHANGE MODE

All buttons operation on/off of the front panel is changed.

Procedure:

1. While pressing the [SPEAKERS (OFF/A/B/A+B)] and [MUSIC] buttons, press the [POWER] button to turn on the main power.
2. Either the message “S.F. LOCK OFF” or “S.F. LOCK ON” appears.

COMMAND MODE CHANGE MODE

The command mode of the remote-commander which this set receives can be changed.

Procedure:

1. While pressing the [2CH/A. DIRECT] button, press the [POWER] button to turn on the main power.
2. Either the message “C. MODE AV1” or “C. MODE AV2” appears. Select the desired mode.

XM FACTORY TEST MODE

(DA2400ES: US/DG920 only)

Mode to confirm operation of XM. Doing display of ID of XM antenna and output of audio signal that XM antenna generates, it is confirmed that there are no problems in the communication of the XM antenna and the transmission of the audio signal.

Procedure:

1. The XM antenna was connected, while pressing the [TUNING MODE] and [MOVIE] buttons, press the [POWER] button to turn on the main power.
2. Whenever the [DISPLAY] button is pressed, the output of the audio signal of 1 kHz L/R, 20 Hz L/R, 5 kHz L/R, muting, 1 kHz L and 1kHz R are switched.

SIRIUS FACTORY TEST MODE

(DA2400ES: US only)

Mode to confirm operation of SIRIUS. Doing display of ID of SIRIUS antenna and output of audio signal that SIRIUS antenna generates, it is confirmed that there are no problems in the communication of the SIRIUS antenna and the transmission of the audio signal.

Procedure:

1. The SIRIUS antenna was connected, while pressing the [TUNING MODE] and [A.F.D.] buttons, press the [POWER] button to turn on the main power.
2. Whenever the [DISPLAY] button is pressed, the output of the audio signal of 1 kHz L/R, 20 Hz L/R, 5 kHz L/R, muting, 1 kHz L and 1 kHz R are switched.

HISTORY MODE

The state that the set is used is memorized.

Procedure:

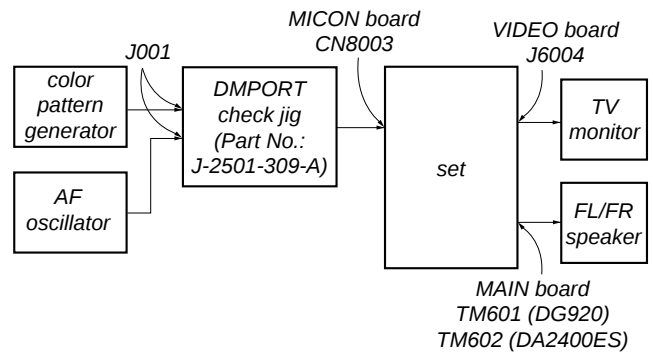
1. While pressing the [MEMORY/ENTER] and [MUSIC] buttons, press the [POWER] button to turn on the power and "HISTORY" is displayed.
2. Each time the [▲] [▼] key of remote commander is pressed, the item is switched in order as follows.

Items	Display
Protector count	COUNT XX
Total single power on time	SxxxxHxxM
Sound field	xxxxxxxx
Input function	xxxxxxxx
Input mode	xxxxxxxx
Digital select	xxxxxxxx
Stream information	xxxxxxxx
Signal configuration	CONF xxxxx
Headphones	HEADPH xxx
Volume	VOL xxxxx
Bass	BASS xxdB
Treble	TREB xxdB
Level FL/FR	FL/R xx xx
Level SL/SR	SL/R xx xx
Level CT/SW	C/SW xx xx
Level BL/BR	BL/R xx xx
Total power on time	T xxHxxM
Muting	MUTING xxx
Power on counter (Rebox test mode)	REBOX xxxx

DIGITAL MEDIA PORT TEST**Procedure:**

1. Connect the DMPORT check jig (P/N: J-2501-309-A) with the DMPORT jack (CN8003) on the MICON board.
2. While pressing the [MEMORY/ENTER] and [A.F.D.] buttons, press the [POWER] button to turn on the main power.
3. The message "DMPORT T." and "DMPORT OK" appears on the fluorescent indicator tube and enter the digital media port test mode. (Confirmation of communication line)
When "NO DETECT", "UART NG" and "UART TO" are displayed on the fluorescent indicator tube, confirm the connection of the DMPORT check jig, and enter the mode again.
Each time the [▶▶] button on the remote commander is pressed, the connect check and adaptor version check are switched.
Press the [◀◀] button on the remote commander, connected confirmation of the DMPORT check jig is done again.
4. To a pinjack of the DMPORT check jig input information relevant to audio signal (sine-wave 1.0V rms) and composite video signal (white 100% 1.0Vp-p, color bar, etc.).
5. Confirm the output of speakers and monitor TV. (Confirmation of analog signal)

6. To release from this mode, press the [■] button on the remote commander.

**SOFTWARE VERSION DISPLAY MODE**

The software version is displayed.

Procedure:

1. While pressing the [TONE MODE] and [MUSIC] buttons, press the [POWER] button to turn on the main power.
2. The message "M.Ver X.XX" appears.
Each time the [DISPLAY] button is pressed, "H.Ver X.XX", "V.Ver X.XX", "G.Ver X.XX", "F.Ver X.XX" and "S.Ver X.XX" this order, and returns to the "M.Ver X.XX" displayed.

KEY CHECK MODE

Button check

Procedure:

1. While pressing the [MEMORY/ENTER] and the [MOVIE] buttons, press the [POWER] button to turn on the main power.
2. Either the message "REST 11" appears.
Every pressing of any button other than the [POWER] counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed "REST 00" appears.

SPECIAL MENU MODE

Procedure:

1. Press the [POWER] button to turn on the main power, then while pressing the [TONE MODE] button, press the [A.F.D.], [2CH/A. DIRECT], [MUSIC], [MOVIE] button in order, the message "SPECIALIZE" appears.
2. Press the [↑] [↓] button on the remote commander, the message "< SPECIAL>" appears.
3. Press the [→] button on the remote commander, the item is appears.
4. Each time the [↑] [↓] button on the remote commander is pressed, the item is switched in order as follows.
Some items can change the content. Display the cursor by pressing the [→] button on the remote commander, and changing the content by pressing the [↑] [↓] button on the remote commander, and fix the content by pressing the [←] button on the remote commander when you want to change the content of the item.
5. To release from this mode, while pressing the [TONE MODE] button, press the [A.F.D.], [2CH/A. DIRECT], [MUSIC], [MOVIE] button in order again, the message "OFF" appears.

Items	Display	Remark
Model/Destination change	MODEL	When [→] button on the remote commander is pressed, the message "A24 ** XXX" or "G92 ** XXX" is appears **: Destination XXX: FIX or AUT
Main micom version display	M.Ver X.XX	X.XX: System controller software version
Farouja version display	F.Ver X.XX	X.XX: Farouja software version
CGROM micom version display	G.Ver X.XX	X.XX: CGROM controller software version
HDMI micom version display	H.Ver X.XX	X.XX: HDMI controller software version
DSP serial flash version display	S.Ver X.XX	X.XX: Serial flash software version
FLI update	FLI UPDATE	When [→] button on the remote commander is pressed, the message "ON" or "OFF" is appears
HD update	HD UPDATE	When [→] button on the remote commander is pressed, the message "ON" or "OFF" is appears
HDCP key read	HDCP KEY	When [→] button on the remote commander is pressed, the message "ON" or "OFF" is appears
Video Factroy	V. FACTORY	Menu mode to enter video calibration menu If the [ENTER] button of the remote commander is pressed, entering the menu, and operating two the following menu become possible
Video calibration (Video factory)	V.CALIBRATION START?	Procedure: 1. "DVD" is selected by using [INPUT SELECTOR] jog. 2. Connect a color pattern generator to the COMPONENT VIDEO COMPO 2 IN jack (J6001) and DVD VIDEO IN jack (J6004) on the VIDEO board. 3. Input 100% color bars signal from the color pattern generator. 4. Menu that measures individual difference of hardness by automatic operation in pressing the [ENTER] button of the remote commander, and corrects reference value. In a measurement once, only one of NTSC/PAL/HD can be measured
Auto cal mic test	SP OUT	When [→] button on the remote commander is pressed, the message "SOURCE" or "mic" is appears SOURCE: normal mode, MIC: mode that output audio from mic input
FL display fonts test	FL FONT	When [→] button on the remote commander is pressed, the message "0X**=X" is appears **: 20 to FF, X: character
FL display test	All segments turn on	Each time [DISPLAY] button to change as follows all on → test pattern 1 → test pattern 2 → all off → all on
DSP halt	DSP HALT	When [→] button on the remote commander is pressed, the message "ON" or "OFF" is appears
Super reset	RESET	Not used for the servicing When EEPROM initialization is required, perform the "memory clearing mode"
RAM watch menu	RAM WATCH	When [→] button on the remote commander is pressed, the message "XXXXXXXXXX" is appears XXXXXXXXXX: Various internal RAM (Switching with [↑] [↓] button on the remote commander)
EEPROM debug	EEPROM	When [→] button on the remote commander is pressed, the message "**** XX" is appears ****: EEPROM address, XX: EEPROM data
Protector on/off	PROTECTOR	When [→] button on the remote commande is pressed, the message "ON" or "OFF" is appears
Audio swap	SWAP MODE	When [→] button on the remote commander is pressed, the message "XXXXXXXXXX" is appears XXXXXXXXXX: audio swap mode Switching with [↑] [↓] button on the remote commander

Items	Display	Remark
Volume value display (FL/FR)	L****RXXXX	****: Front L-ch volume value, XXXX: Front R-ch volume value (for design evaluation)
Volume value display (SL/SR)	S****SXXXX	****: Surround L-ch volume value, XXXX: Surround R-ch volume value (for design evaluation)
Volume value display (CT/SW)	C****WXXXX	****: Center volume value, XXXX: Sub woofer volume value (for design evaluation)
Volume value display (SBL/SBR)	B****BXXXX	****: Surround back L-ch volume value, XXXX: Surround back R-ch volume value (for design evaluation)
DAC mute information disclosure 1	U XXXXXXXXX	Display of module information to demand muting in system controller (for design evaluation)
DAC mute information disclosure 2	L XXXXXXXXX	Display of module information to demand muting in system controller (for design evaluation)
Volume Display	VOL XXXX	XXXX: Volume
FL display duty change	DUTY	When [➡] button on the remote commander is pressed, the message "XXX" is appears XXX: Duty value of FL display (1% to 100%) (for design evaluation)

SECTION 5

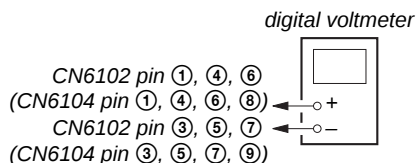
ELECTRICAL ADJUSTMENT

BIAS ALIGNMENT ADJUSTMENT

(DA2400ES: AEP, Continental European, East European, Russian and UK only)

Note: After 10 minutes or more have passed since the power supply was turned on, this adjustment is done.

Connection:

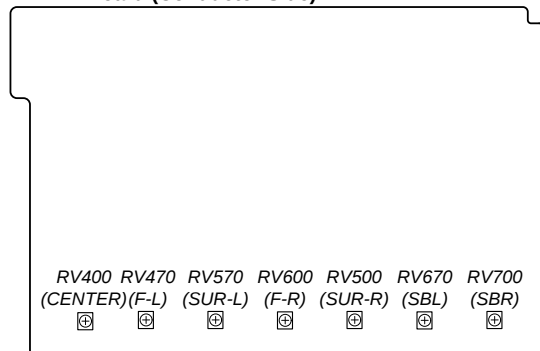


Procedure:

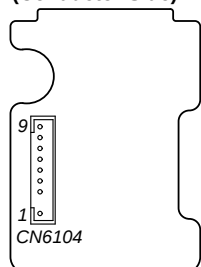
1. Connect a digital voltmeter to the CN6102 (CN6104).
2. Press the [POWER] button to turn on the main power.
3. Adjust the RV400 (RV470, RV500, RV570, RV600, RV670, RV700) so that the digital voltmeter reading is 5 mV to 20 mV.

Adjustment and Connection Location:

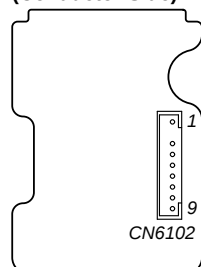
– MAIN Board (Conductor Side) –



– A-CLASS SUPPORT A Board (Conductor Side) –



– A-CLASS SUPPORT B Board (Conductor Side) –

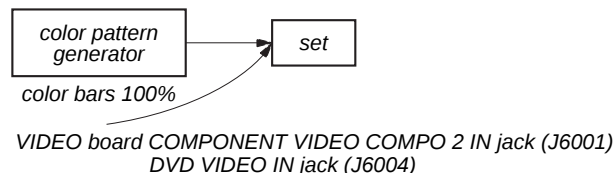


VIDEO CALIBRATION ADJUSTMENT

Adjustment to decide the standard of the video input signal.

Note: After replacing DIGITAL VIDEO board, or after “SUPER RESET” of the special menu mode is executed, perform this adjustment.

Connection:



Procedure:

1. “DVD” is selected by using [INPUT SELECTOR] jog.
2. Connect a color pattern generator to the COMPONENT VIDEO COMPO 2 IN jack (J6001) on the VIDEO board and DVD VIDEO IN jack (J6004) on the VIDEO board.
3. Input NTSC color bars signal from the color pattern generator.
4. Press the [POWER] button to turn off the main power
5. While pressing the [2CH/A.DIRECT] and [SPEAKERS (OFF/A/B/A+B)] buttons, press the [POWER] button to turn on the main power. It enters the test mode, and display as below.

V.CALIBRATION START? ↔ N: Mlx_____

(PAL input) P: Mlx_____

(HD input) H: Mlx_____

6. In state of step 5, press the [MEMORY/ENTER] button. The adjustment is automatically completed, and result is written in the EEPROM, and display as below.

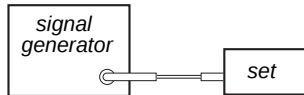
(NTSC input) N: Mlwo C_U__

(PAL input) P: Mlwo C_U__

(HD input) H: Mlwo C____

7. Input PAL color bars signal from the color pattern generator.
8. Perform step 4 to 6.
9. Input HD color bars signal (720p or 1080i) from the color pattern generator.
10. Perform step 4 to 6.
11. When all the adjustments end, display as below.

FIN N:P:H

FM AUTO STOP CHECK**Procedure:**

1. Turn on the set.
2. Input the following signal from signal generator to FM antenna input directly.

Carrier frequency : A = 87.5 MHz, B = 98 MHz, C = 108 MHz

Deviation : 75 kHz

Modulation : 1 kHz

ANT input : 1 kHz

Note: Use 75 ohm coaxial cable to connect signal generator and the set.
You cannot use video cable for checking.
Use signal generator whose output impedance is 75 ohm.

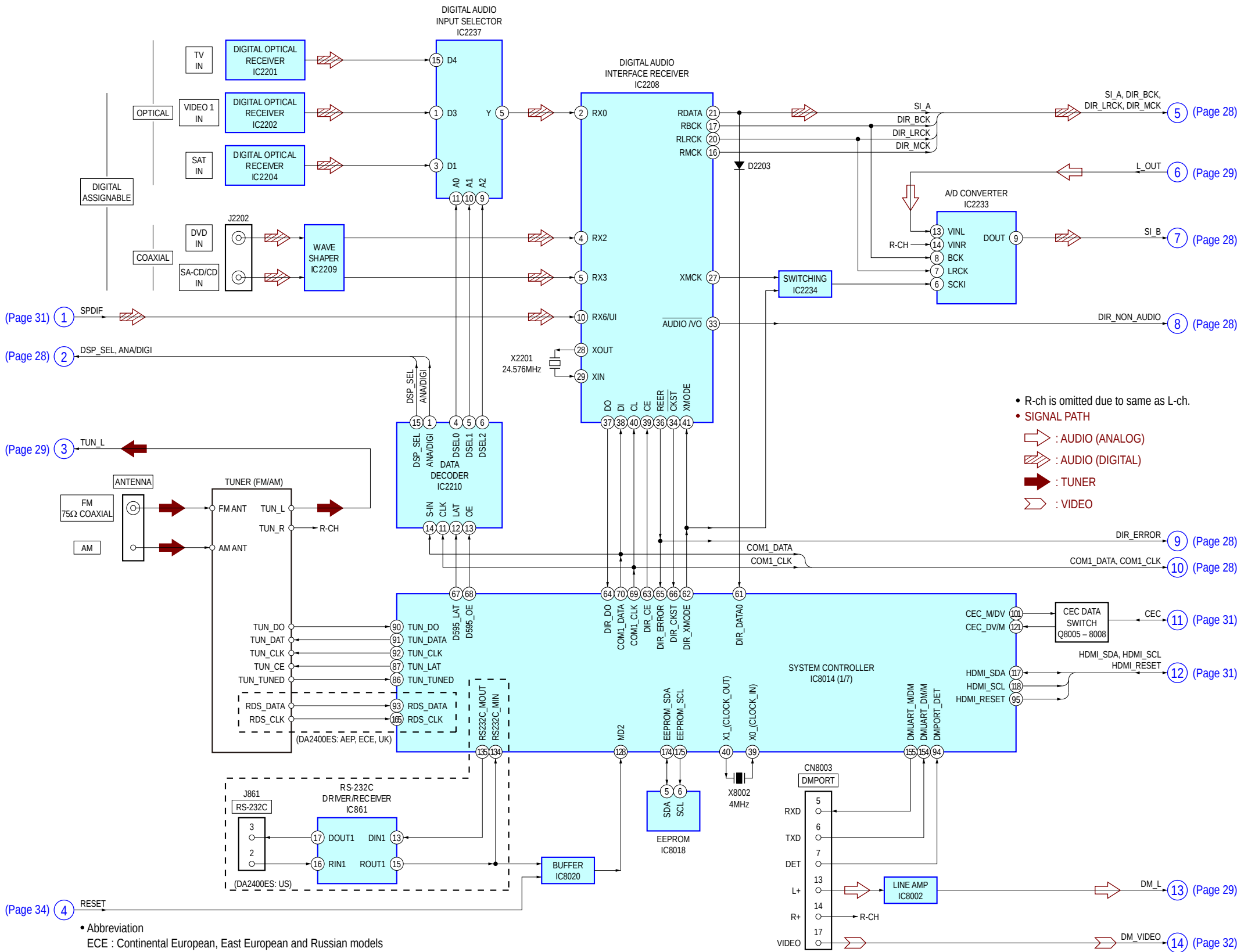
3. Set to FM tuner function and scan the input FM signal with automatic scanning.
4. Confirm that input frequency of A, B and C are detected and automatic scanning stops.

When the station signal is received in good condition, automatic scanning stops.

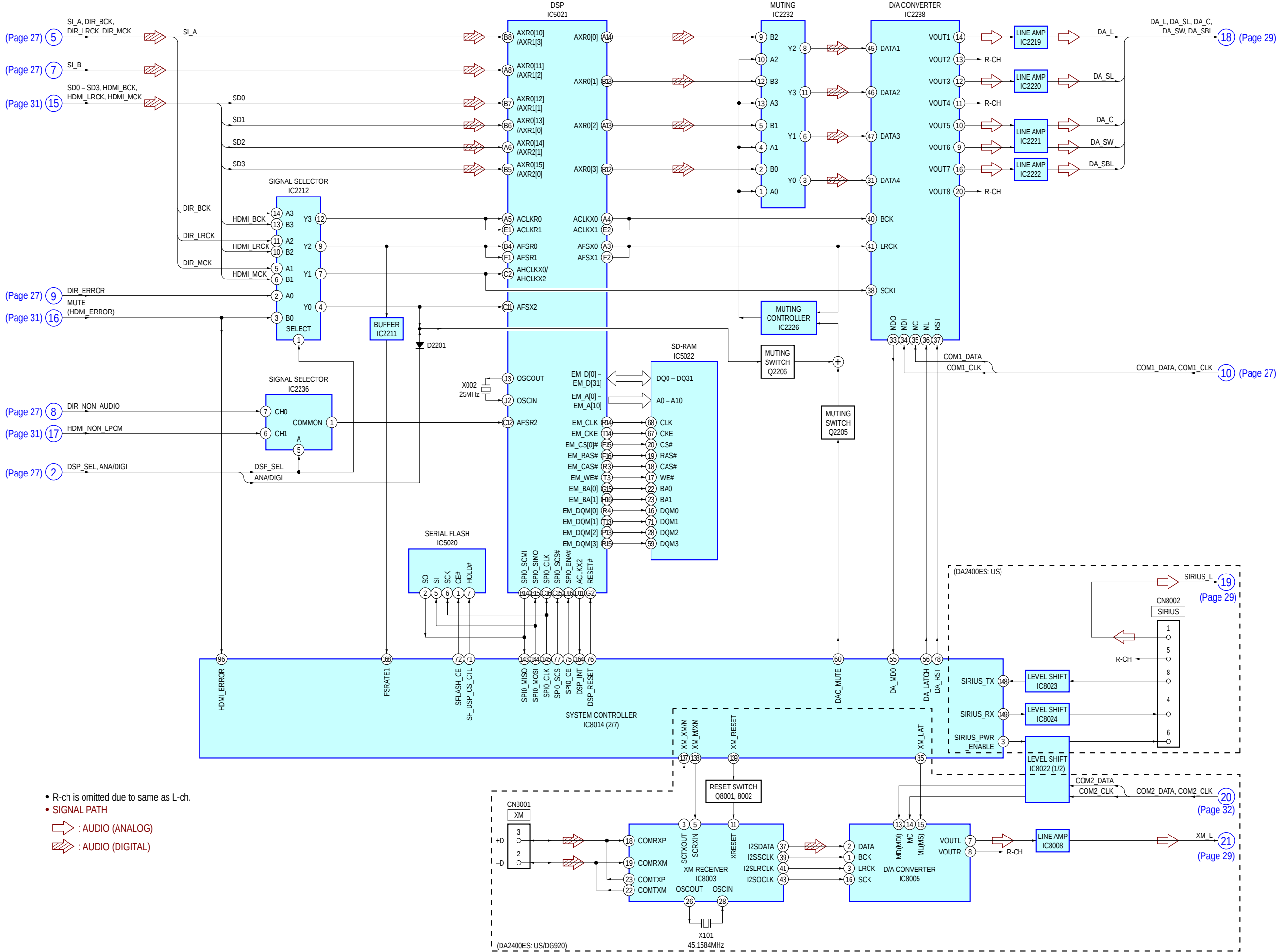
MEMO

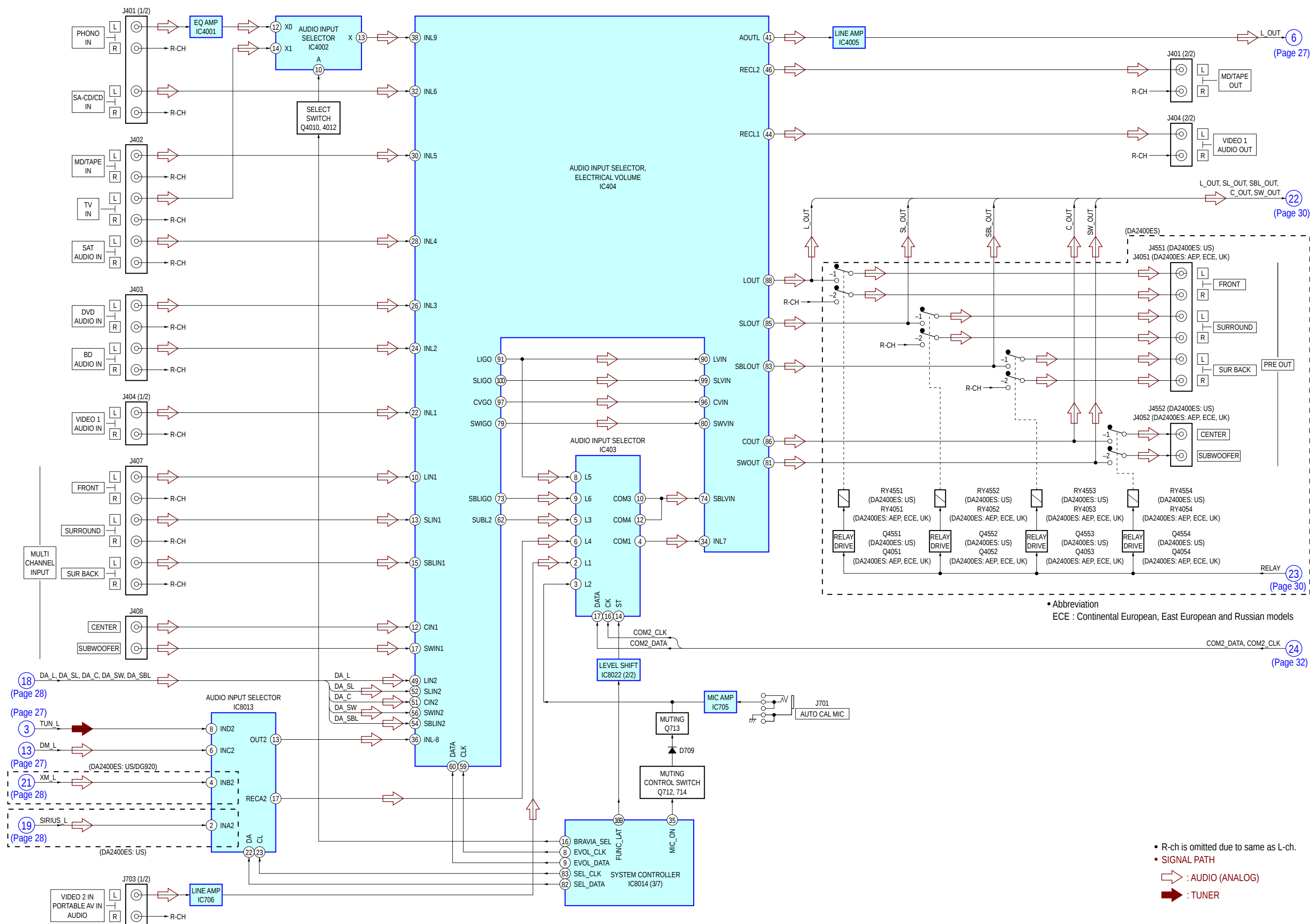
SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM - DIGITAL AUDIO/TUNER Section -

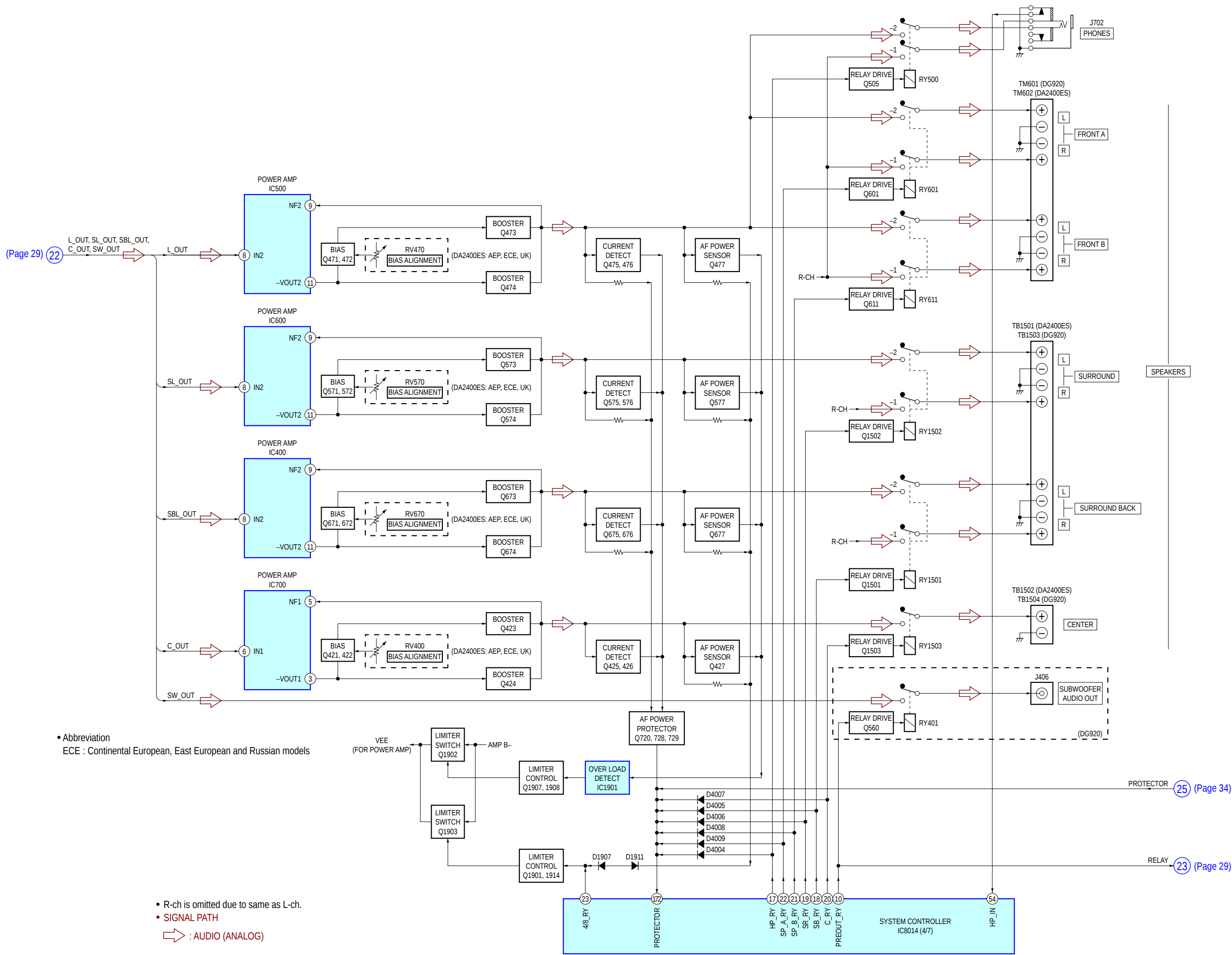


6-2. BLOCK DIAGRAM - DSP/XM Section -

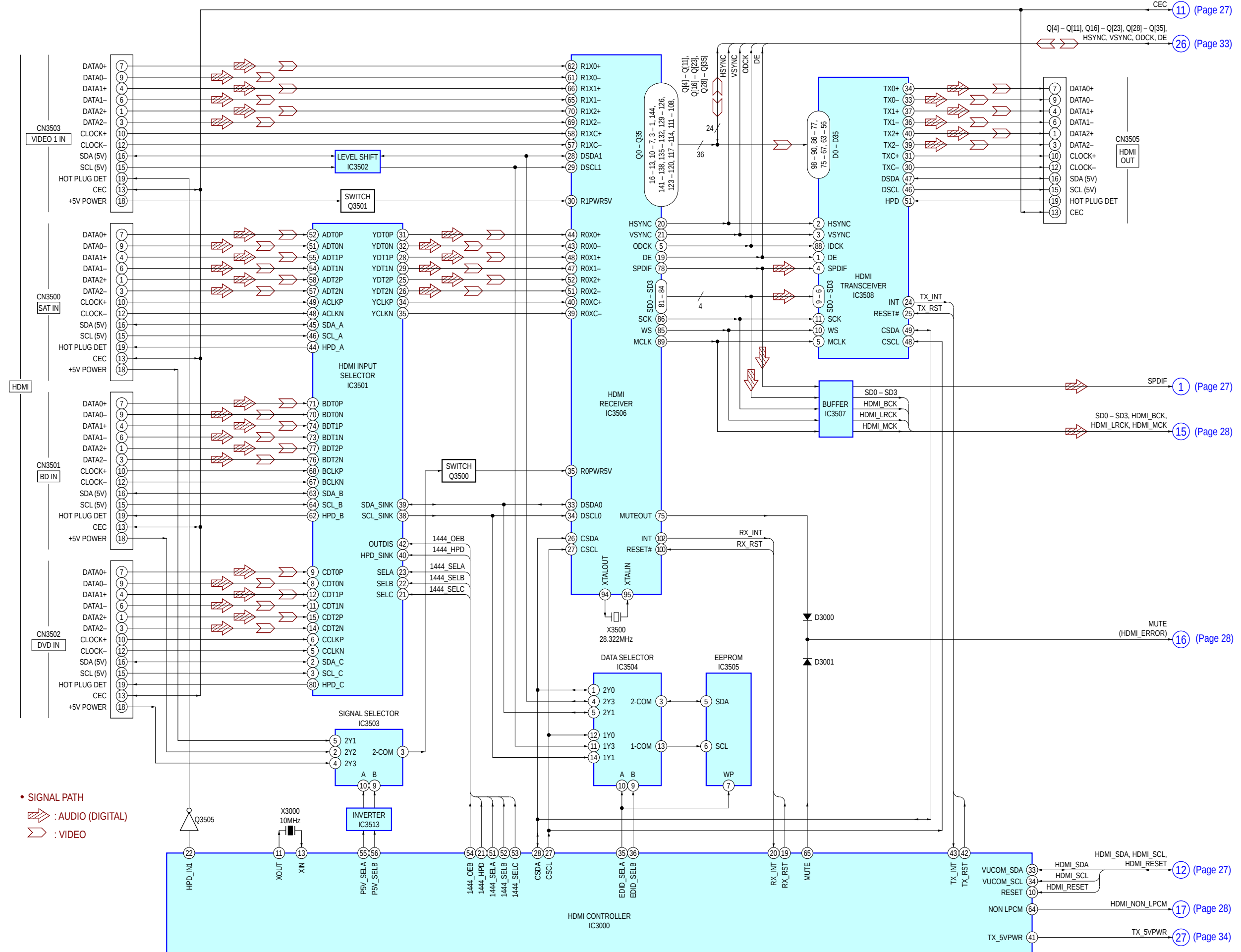




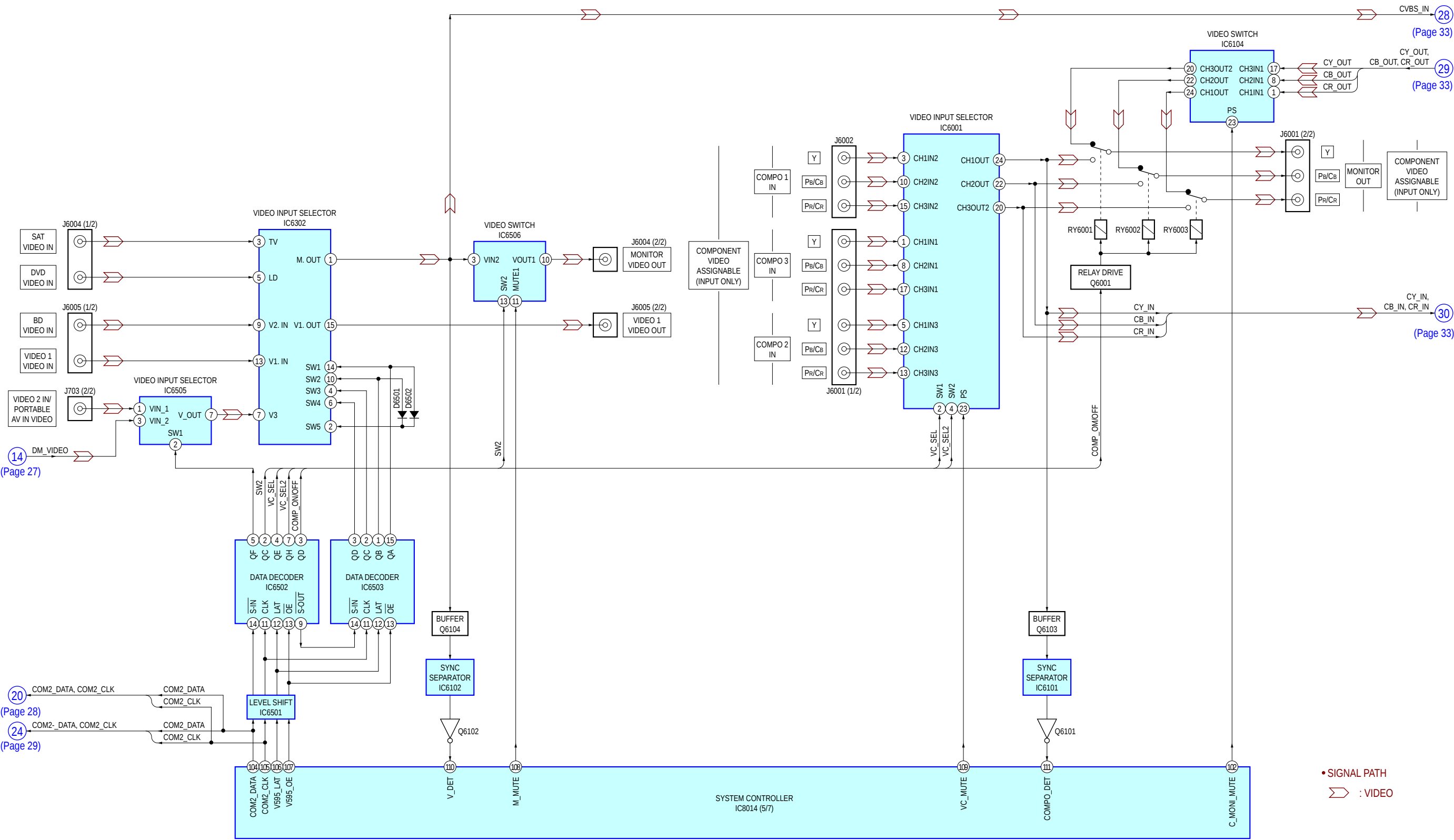
6-4. BLOCK DIAGRAM - AMP Section -



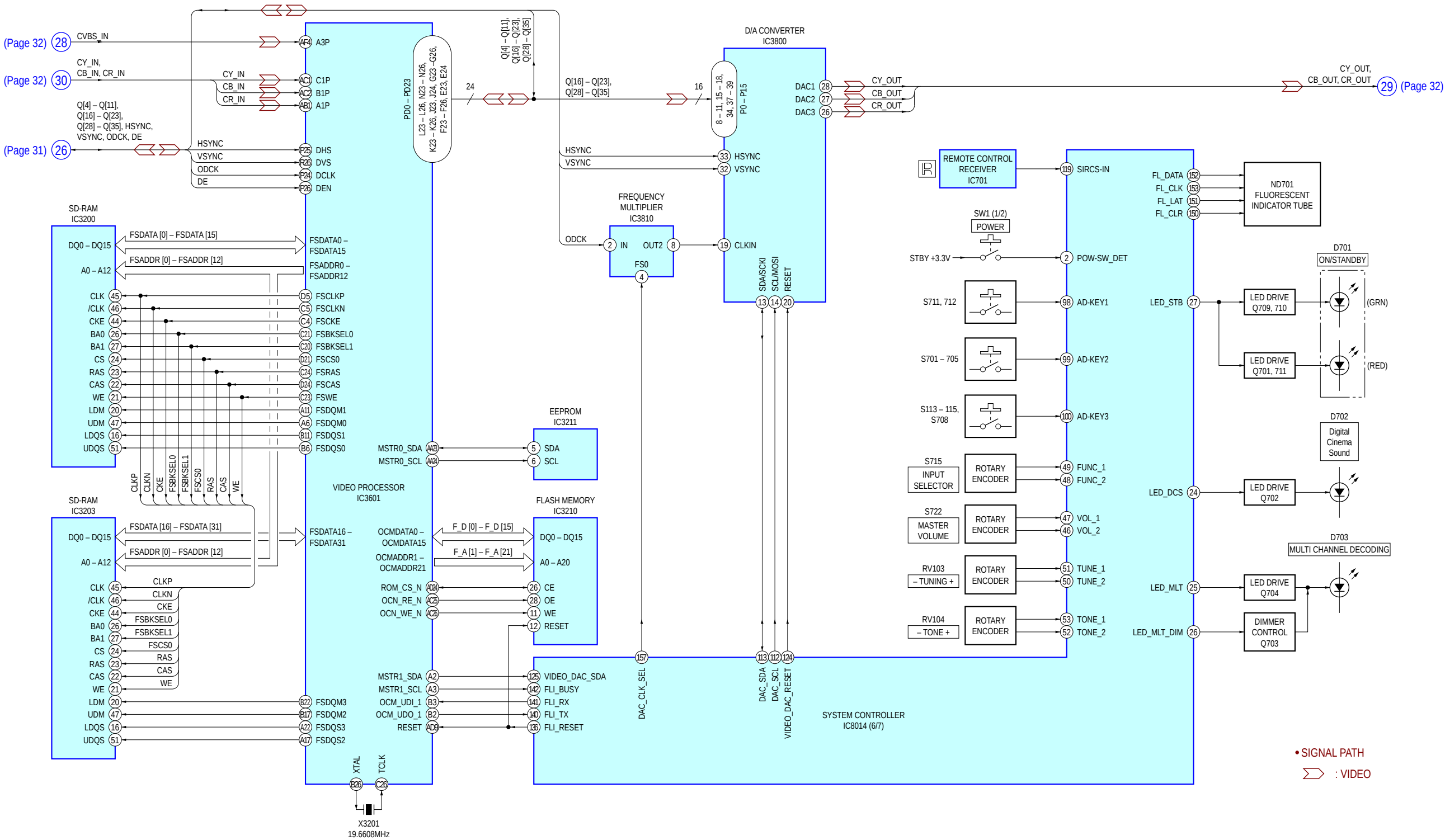
- SIGNAL PATH
 - ➡ : AUDIO (DIGITAL)
 - : VIDEO



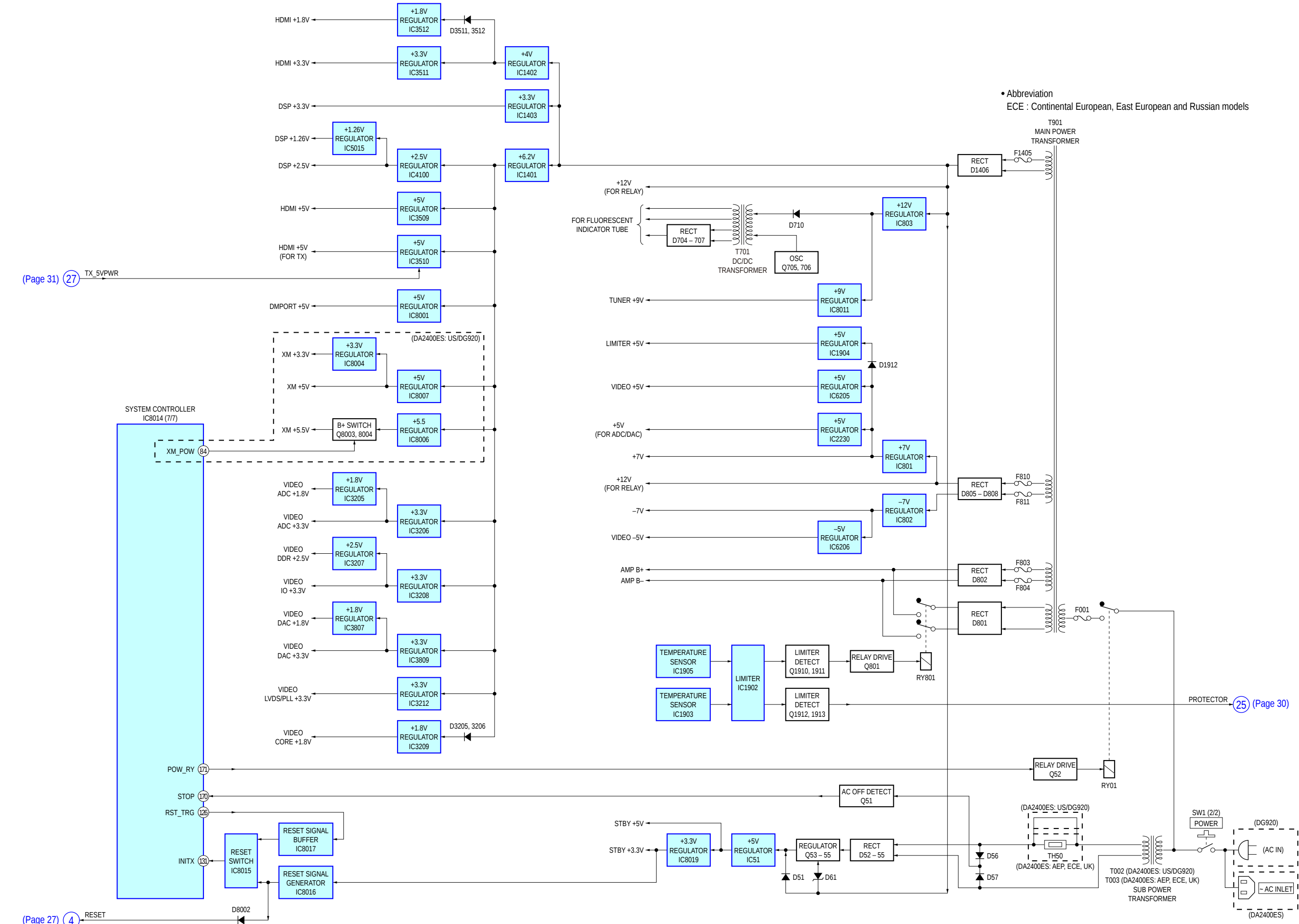
6-6. BLOCK DIAGRAM - VIDEO (1/2) Section -



6-7. BLOCK DIAGRAM - VIDEO (2/2)/PANEL Section -



6-8. BLOCK DIAGRAM - POWER SUPPLY Section -



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

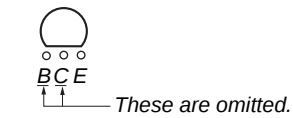
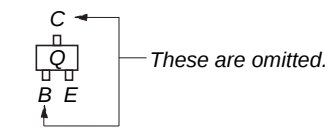
For Printed Wiring Boards.

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

Caution:
Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: Parts on the parts face side seen from the parts face are indicated.

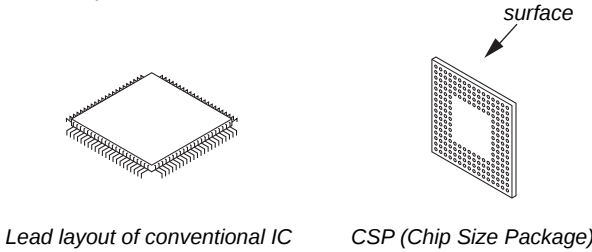
Caution:
Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: Parts on the parts face side seen from the parts face are indicated.

- DIGITAL VIDEO and DSP boards are multi-layer printed boards.
However, the patterns of intermediate-layers have not been included in diagrams.
- Indication of transistor.



* Replacement of IC3601 on the DIGITAL VIDEO board used in this set requires a special tool.

- Lead layouts



Lead layout of conventional IC CSP (Chip Size Package)

For Schematic Diagrams.

- Note:**
- All capacitors are in μF unless otherwise noted. (p: pF)
50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{ W}$ or less unless otherwise specified.
 - △ : internal component.
 - ⊞ : nonflammable resistor.
 - : panel designation.

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

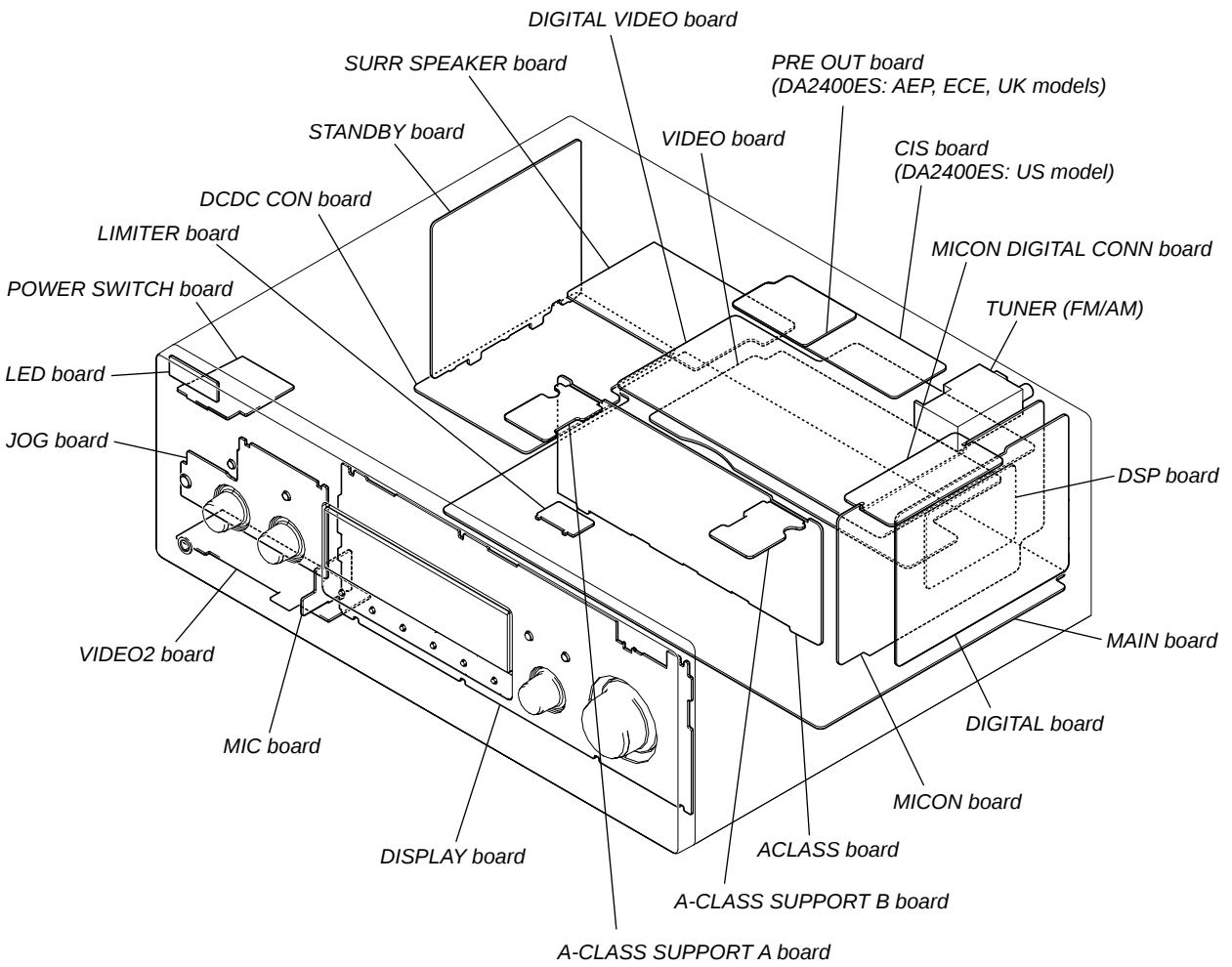
Note:
Les composants identifiés par une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- - - : B- Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : TUNER
- Voltages are taken with a VOM (Input impedance $10\text{ M}\Omega$).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- ⇒ : AUDIO (DIGITAL)
- ⇒ : AUDIO (ANALOG)
- ⇒ : TUNER
- ⇒ : VIDEO

* Replacement of IC3601 on the DIGITAL VIDEO board used in this set requires a special tool.

- The Voltage and waveform of CSP (Chip size package) cannot be measured, because its lead layout is different from that of conventional IC.
- Abbreviation
ECE : Continental European, East European and Russian models

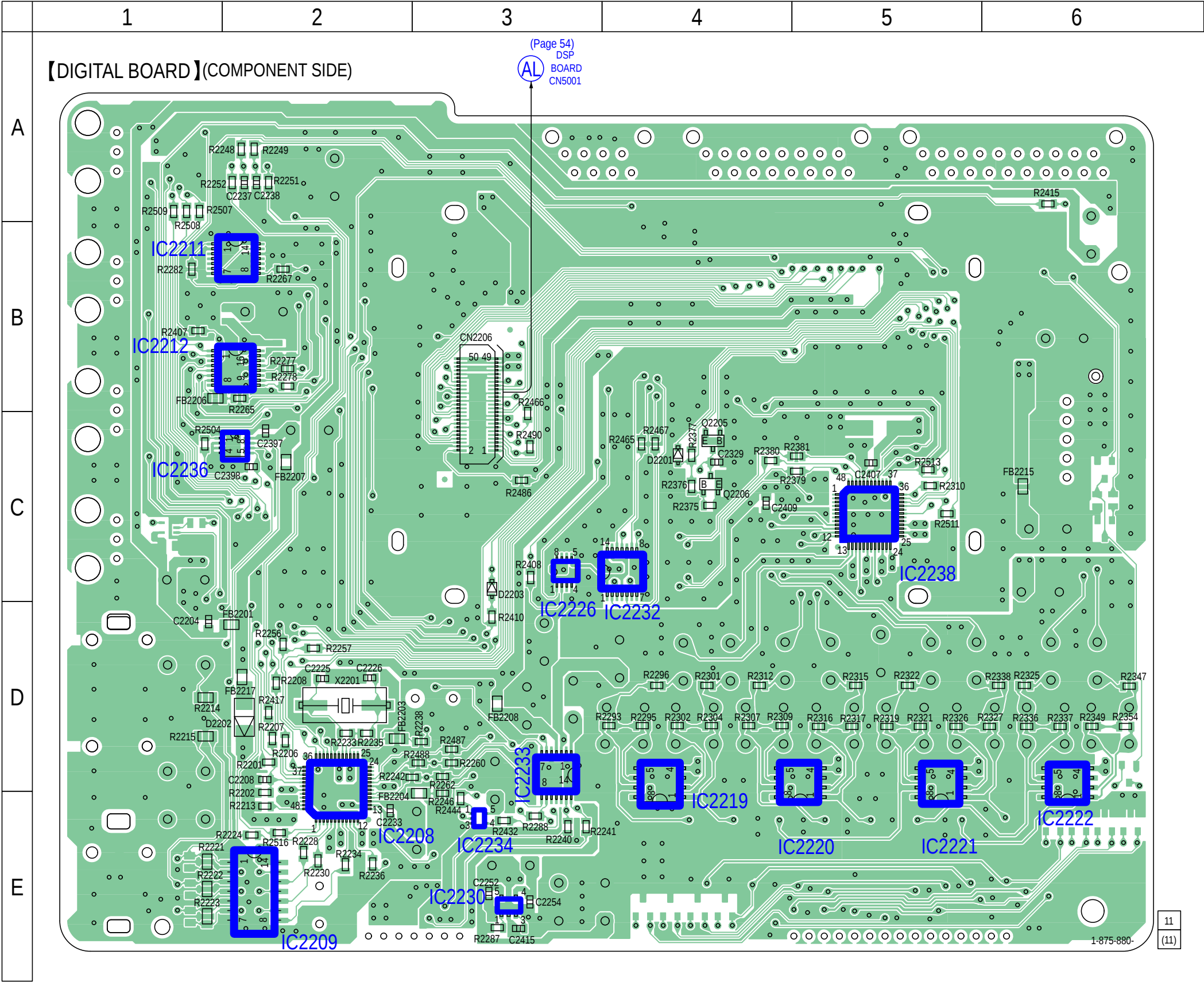
Circuit Boards Location



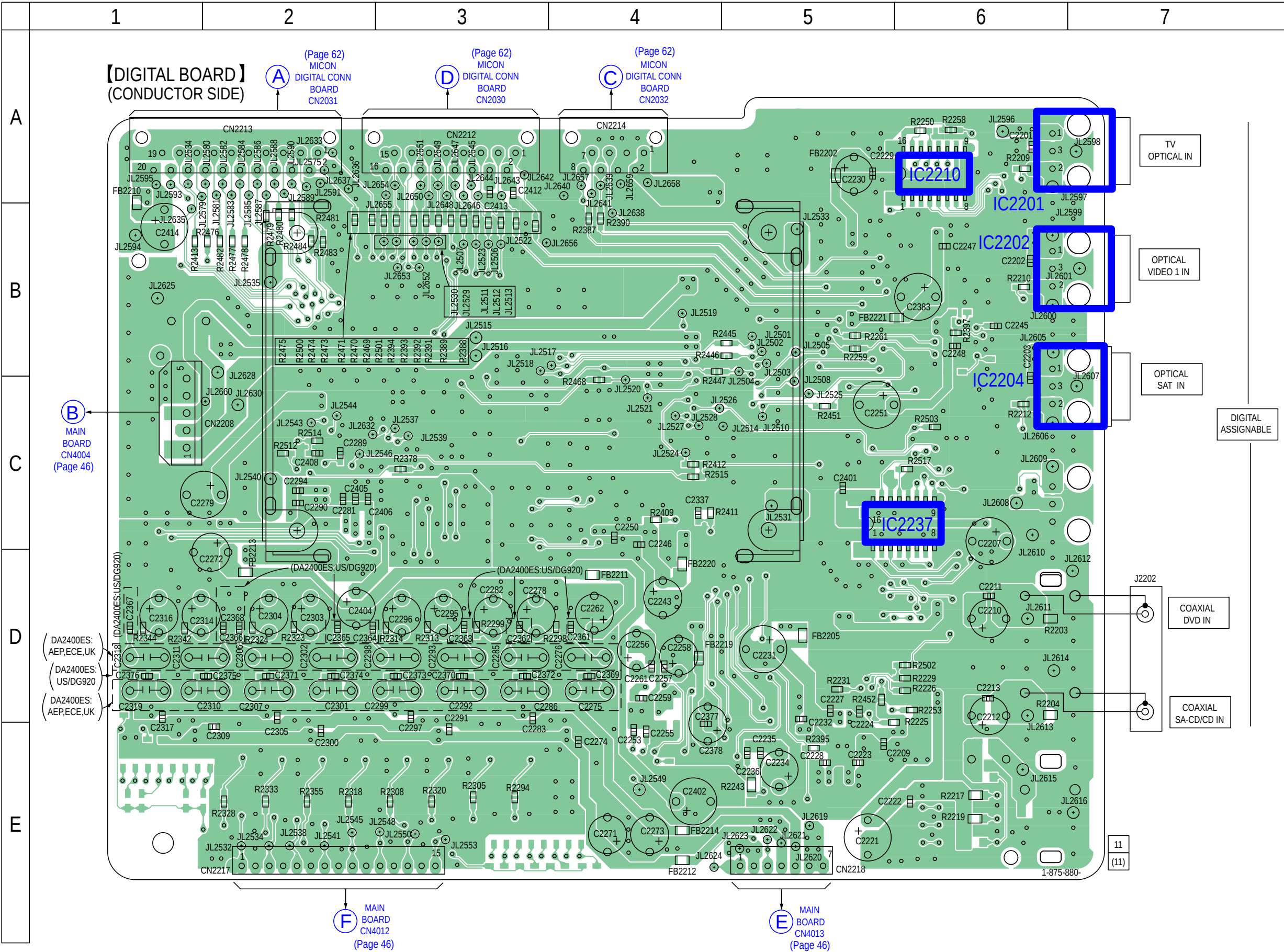
- Abbreviation
ECE : Continental European, East European and Russian models

6-9. PRINTED WIRING BOARD - DIGITAL Board (Component Side) - • See Page 35 for Circuit Boards Location. • : Uses unleaded solder.

• Semiconductor Location	
Ref. No.	Location
D2201	C-4
D2202	D-2
D2203	C-3
IC2208	E-2
IC2209	E-2
IC2211	B-2
IC2212	B-2
IC2219	D-4
IC2220	D-5
IC2221	D-5
IC2222	D-6
IC2226	C-3
IC2230	E-3
IC2232	C-4
IC2233	D-3
IC2234	E-3
IC2236	C-2
IC2238	C-5
Q2205	C-4
Q2206	C-4



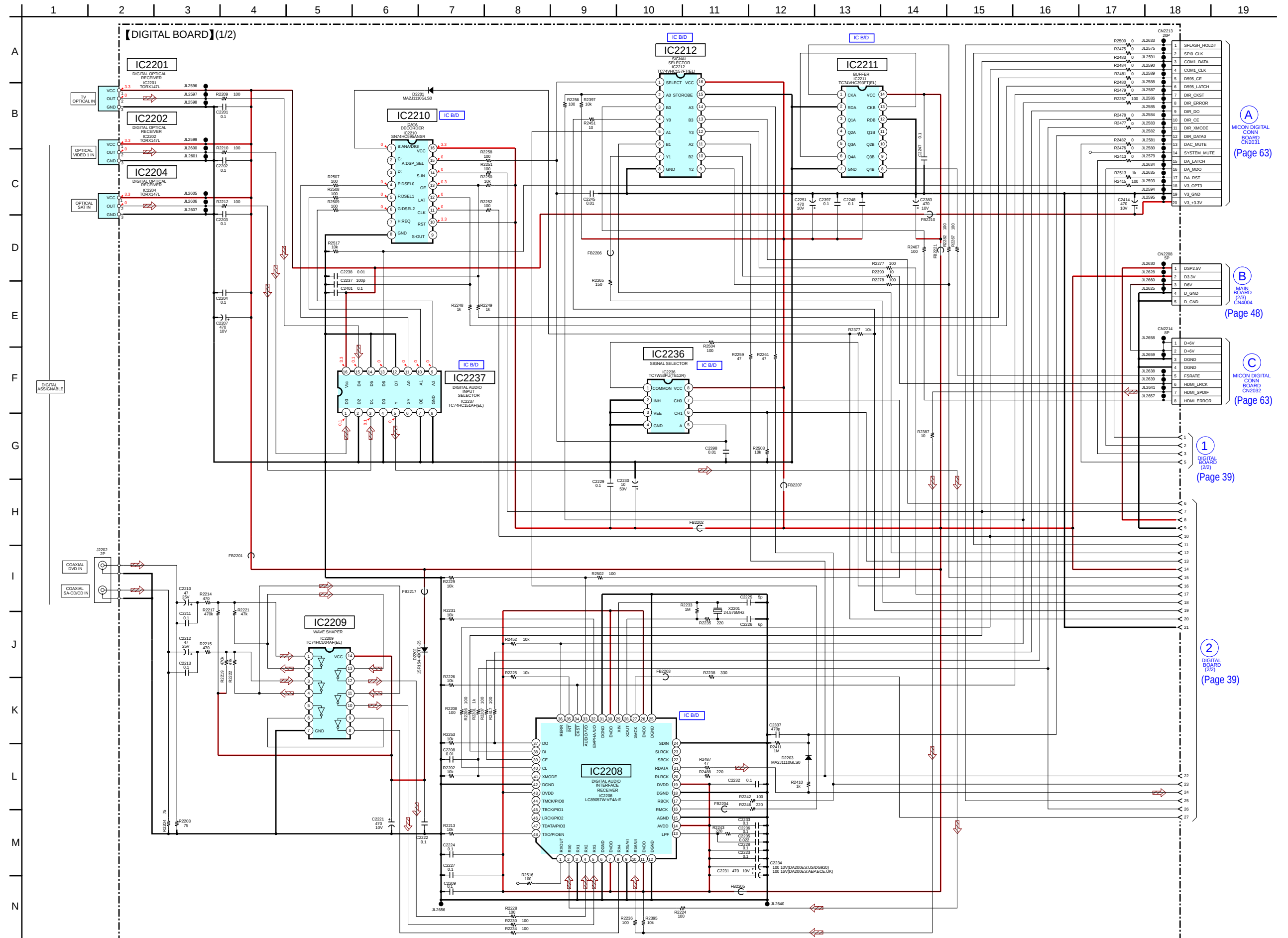
6-10. PRINTED WIRING BOARD - DIGITAL Board (Conductor Side) - • See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
IC2201	A-6
IC2202	B-6
IC2204	C-6
IC2210	A-6
IC2237	C-6

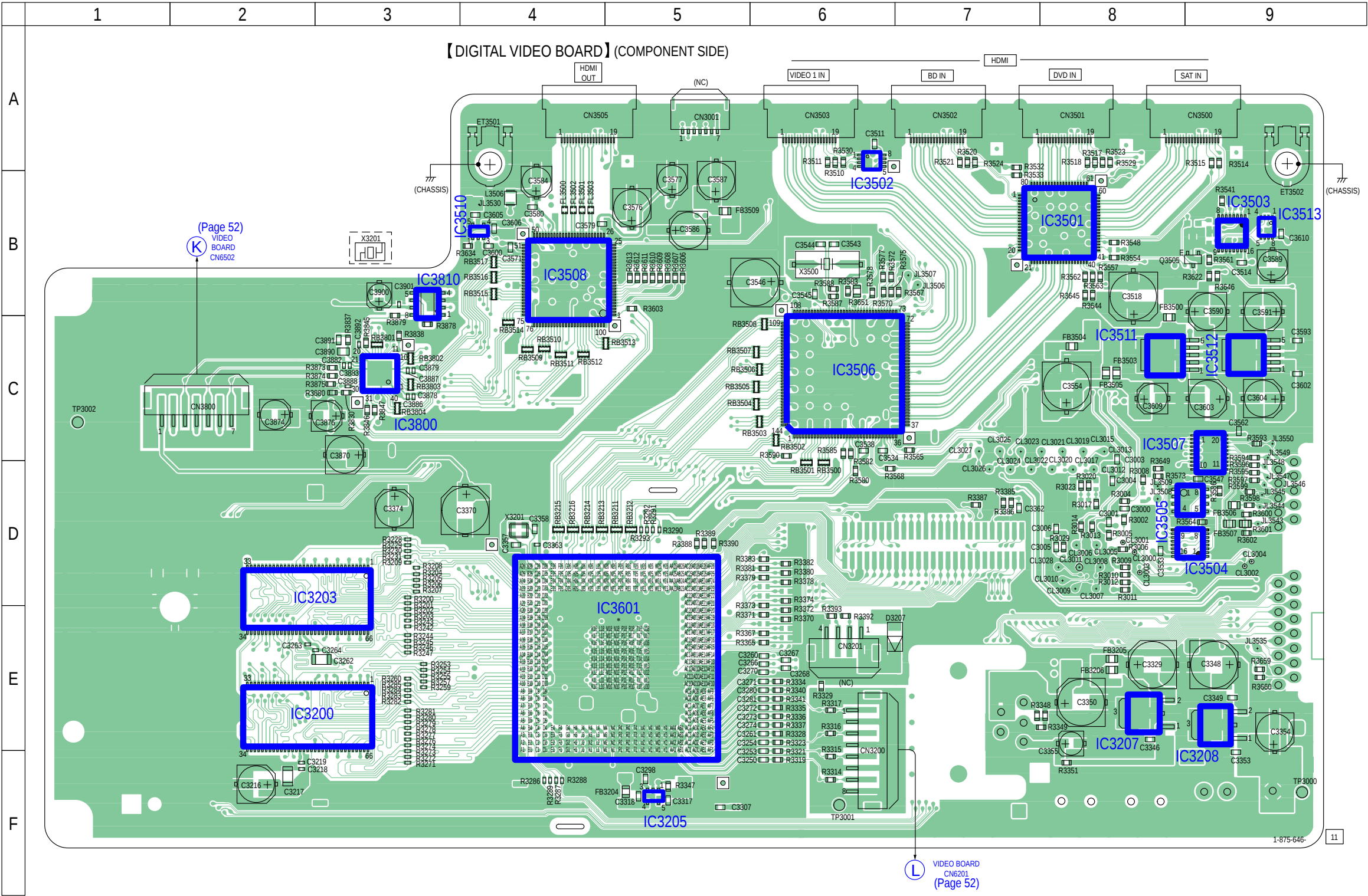
6-11. SCHEMATIC DIAGRAM - DIGITAL Board (1/2) - • See Page 76 for IC Block Diagrams.



6-13. PRINTED WIRING BOARD - DIGITAL VIDEO Board (Component Side) - • See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.

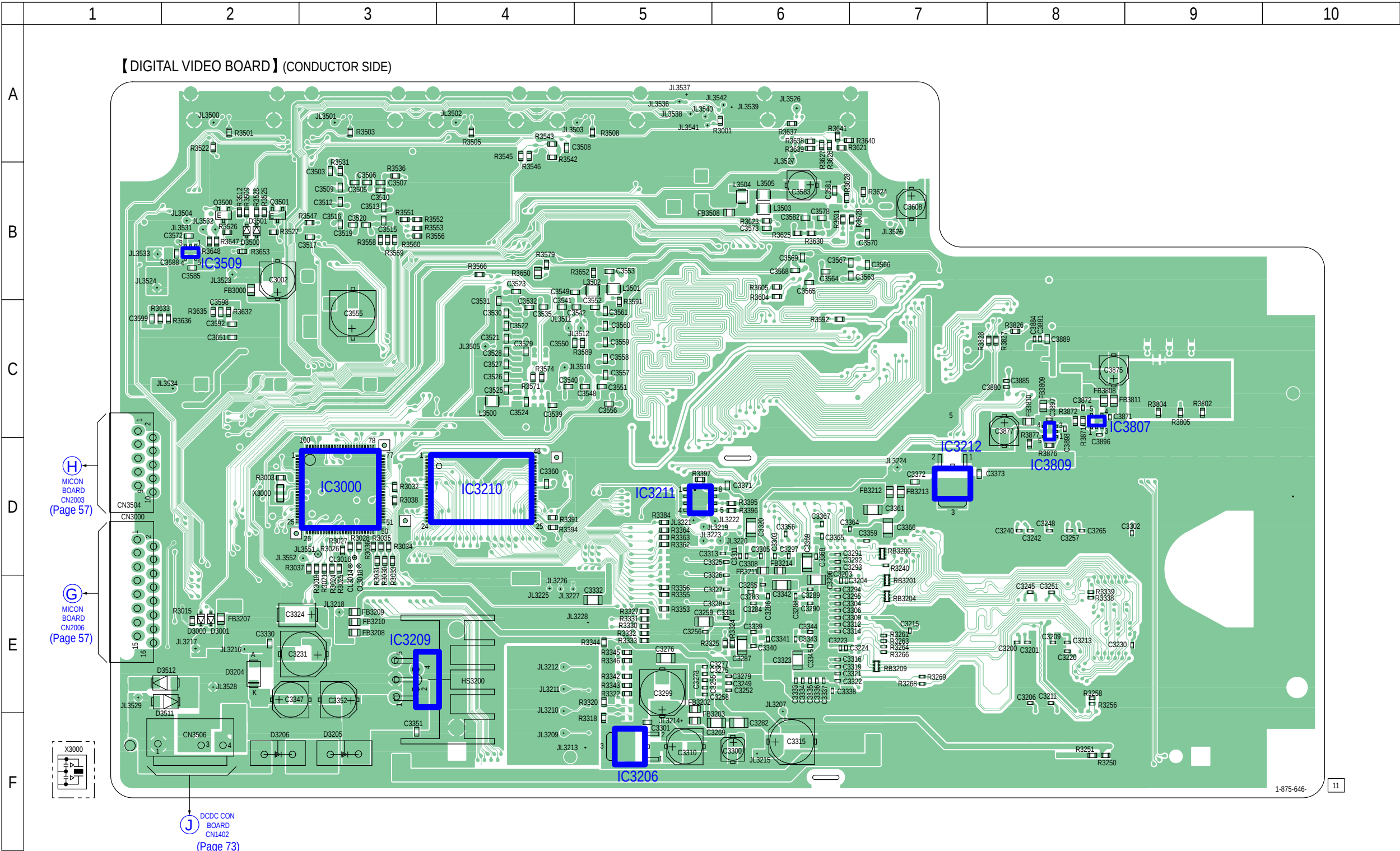
• Semiconductor Location

Ref. No.	Location
D3207	E-7
IC3200	E-2
IC3203	D-2
IC3205	F-5
IC3207	E-8
IC3208	E-9
IC3501	B-8
IC3502	A-6
IC3503	B-9
IC3504	D-9
IC3505	D-9
IC3506	C-6
IC3507	C-9
IC3508	B-4
IC3510	B-4
IC3511	C-8
IC3512	C-9
IC3513	B-9
IC3601	E-5
IC3800	C-3
IC3810	B-3
Q3505	B-9



Note: IC3506 and IC3508 cannot exchange with single. When IC3506 and IC3508 are damaged, exchange the entire mounted board.

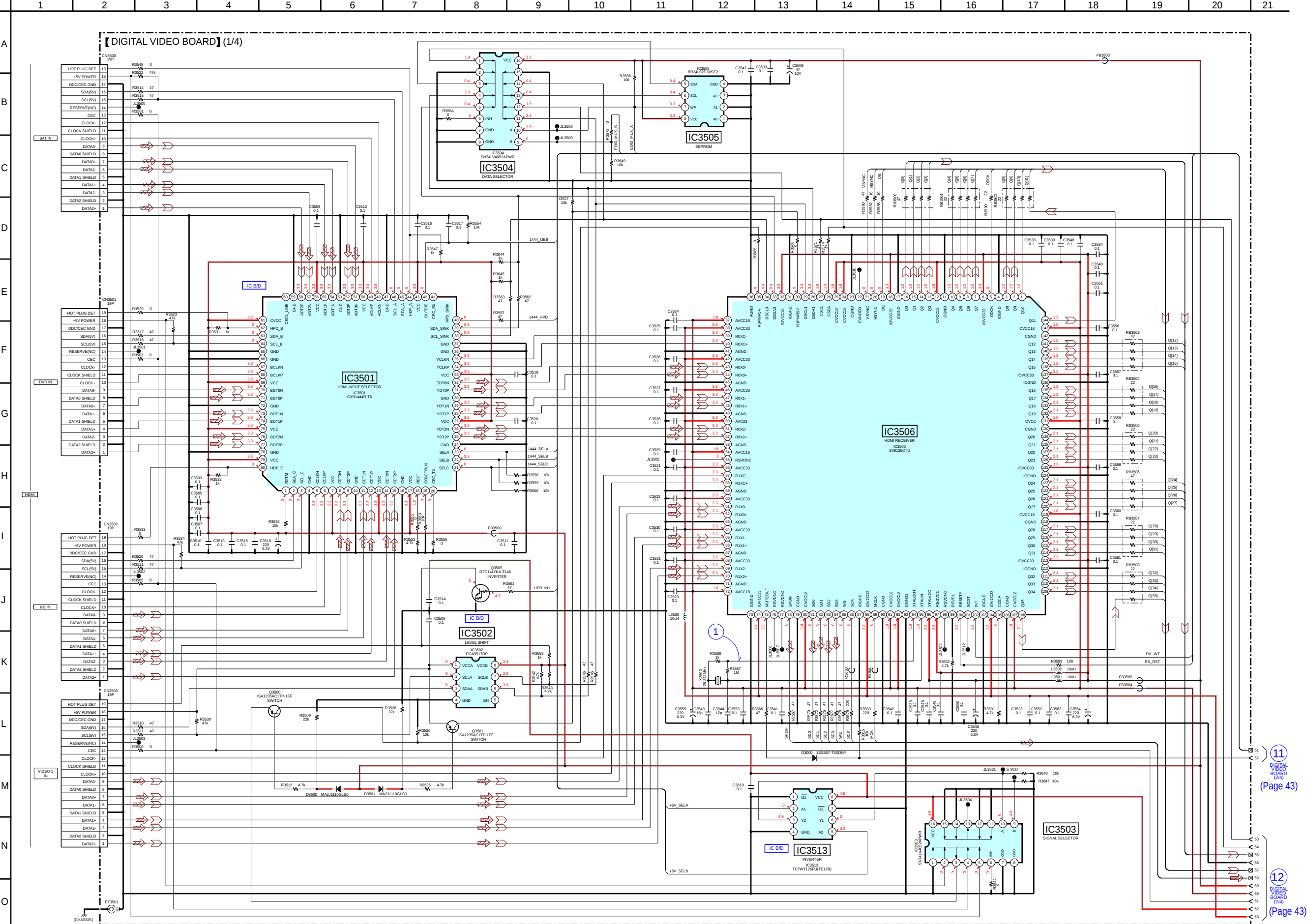
6-14. PRINTED WIRING BOARD - DIGITAL VIDEO Board (Conductor Side) - • See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.



• Semiconductor Location

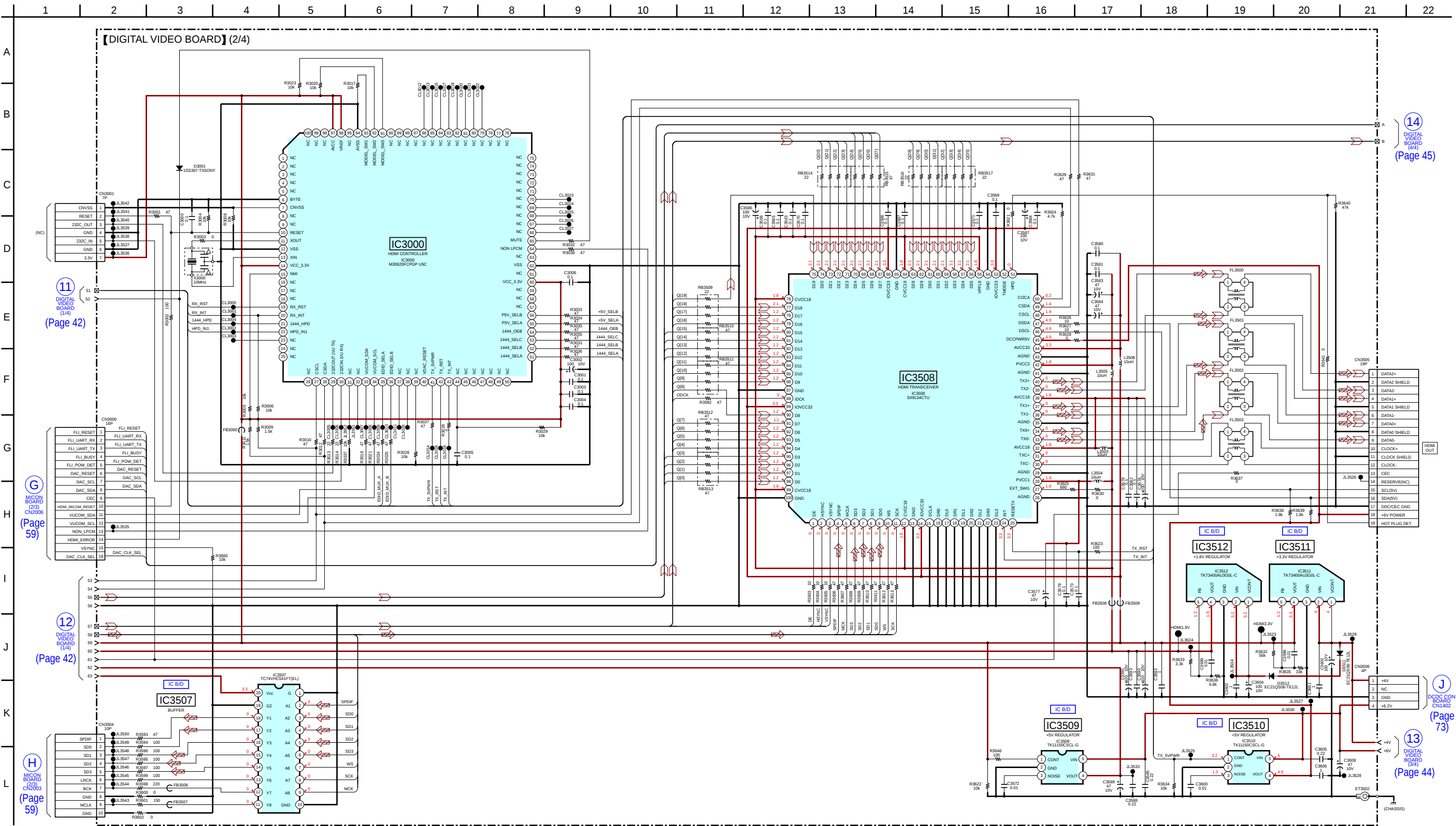
Ref. No.	Location
D3000	E-2
D3001	E-2
D3204	E-2
D3205	F-3
D3206	F-2
D3500	B-2
D3501	B-2
D3511	E-2
D3512	E-2
IC3000	D-3
IC3206	F-5
IC3209	E-3
IC3210	D-4
IC3211	D-5
IC3212	D-7
IC3509	B-2
IC3807	C-8
IC3809	C-8
Q3500	B-2
Q3501	B-2

6-15. SCHEMATIC DIAGRAM - DIGITAL VIDEO Board (1/4) - • See Page 61 for Waveforms. • See Page 76 for IC Block Diagram. • See Page 86 for IC Pin Function Description.



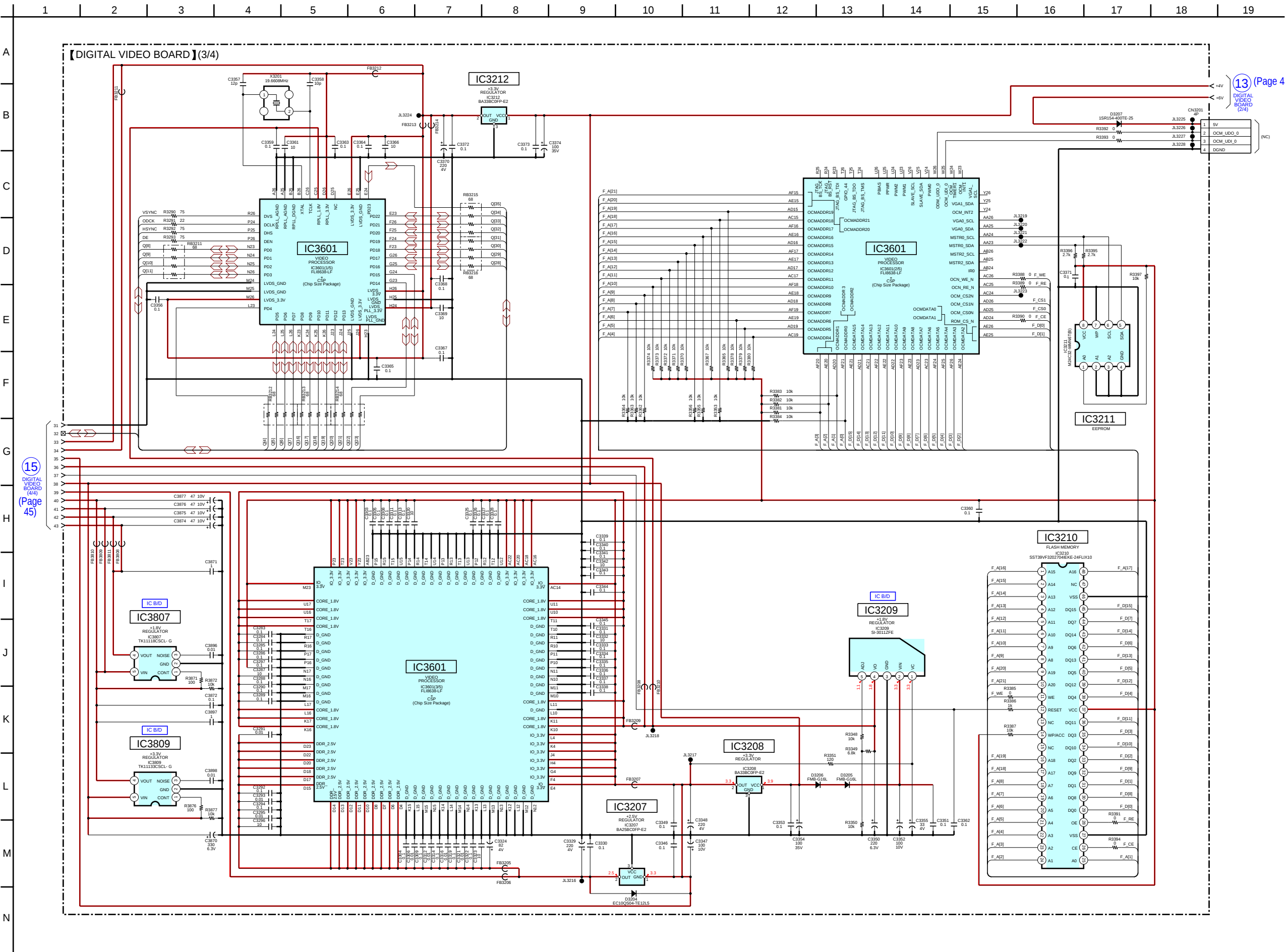
Note: IC3506 cannot exchange with single. When IC3506 is damaged, exchange the entire mounted board.

6-16. SCHEMATIC DIAGRAM - DIGITAL VIDEO Board (2/4) - • See Page 76 for IC Block Diagrams. • See Page 86 for IC Pin Function Description.

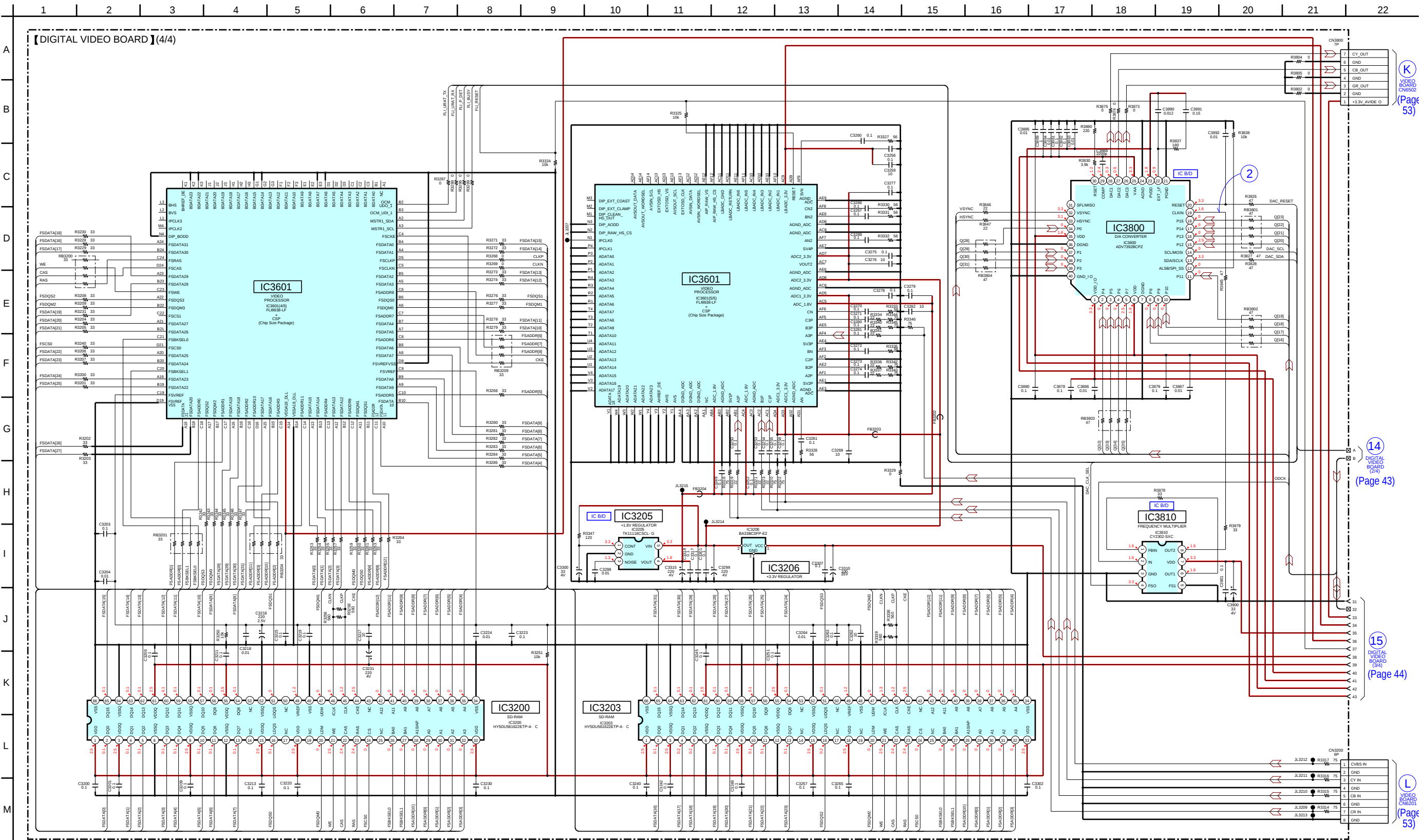


Note: IC3508 cannot exchange with single. When IC3508 is damaged, exchange the entire mounted board.

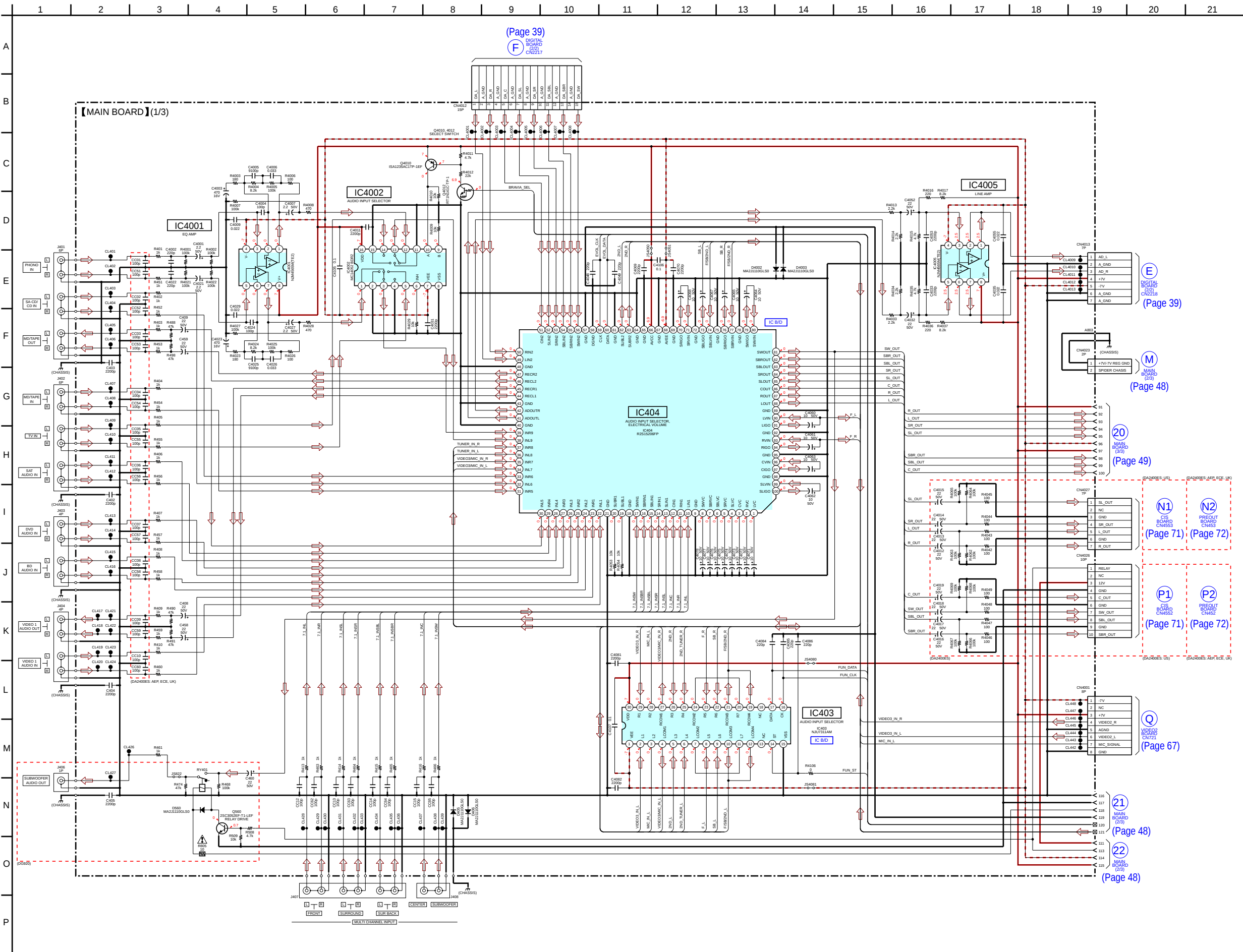
6-17. SCHEMATIC DIAGRAM - DIGITAL VIDEO Board (3/4) - • See Page 76 for IC Block Diagrams. • See Page 86 for IC Pin Function Description.



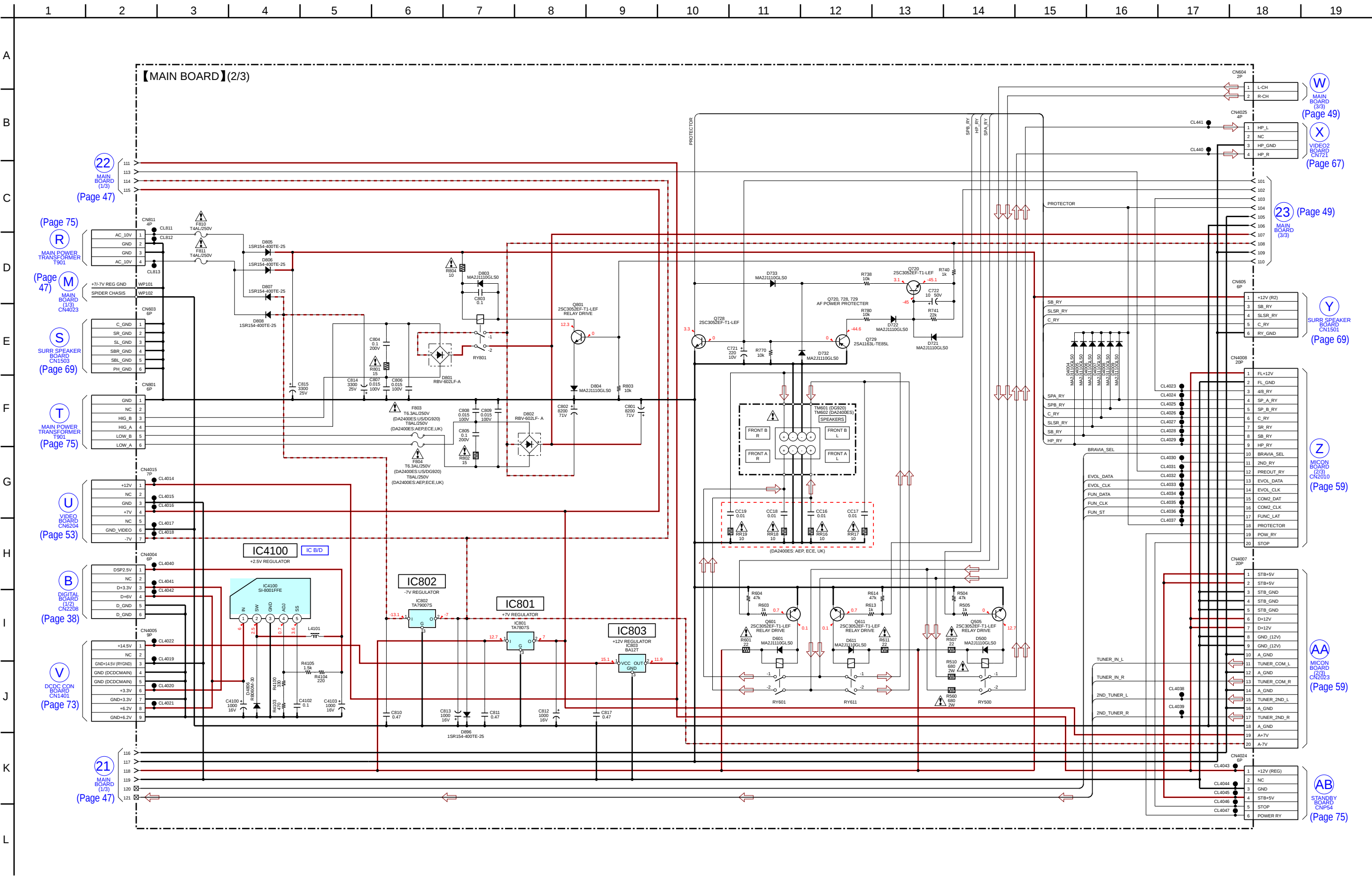
6-18. SCHEMATIC DIAGRAM - DIGITAL VIDEO Board (4/4) - • See Page 61 for Waveforms. • See Page 76 for IC Block Diagrams. • See Page 86 for IC Pin Function Description.



6-20. SCHEMATIC DIAGRAM - MAIN Board (1/3) - • See Page 76 for IC Block Diagrams.



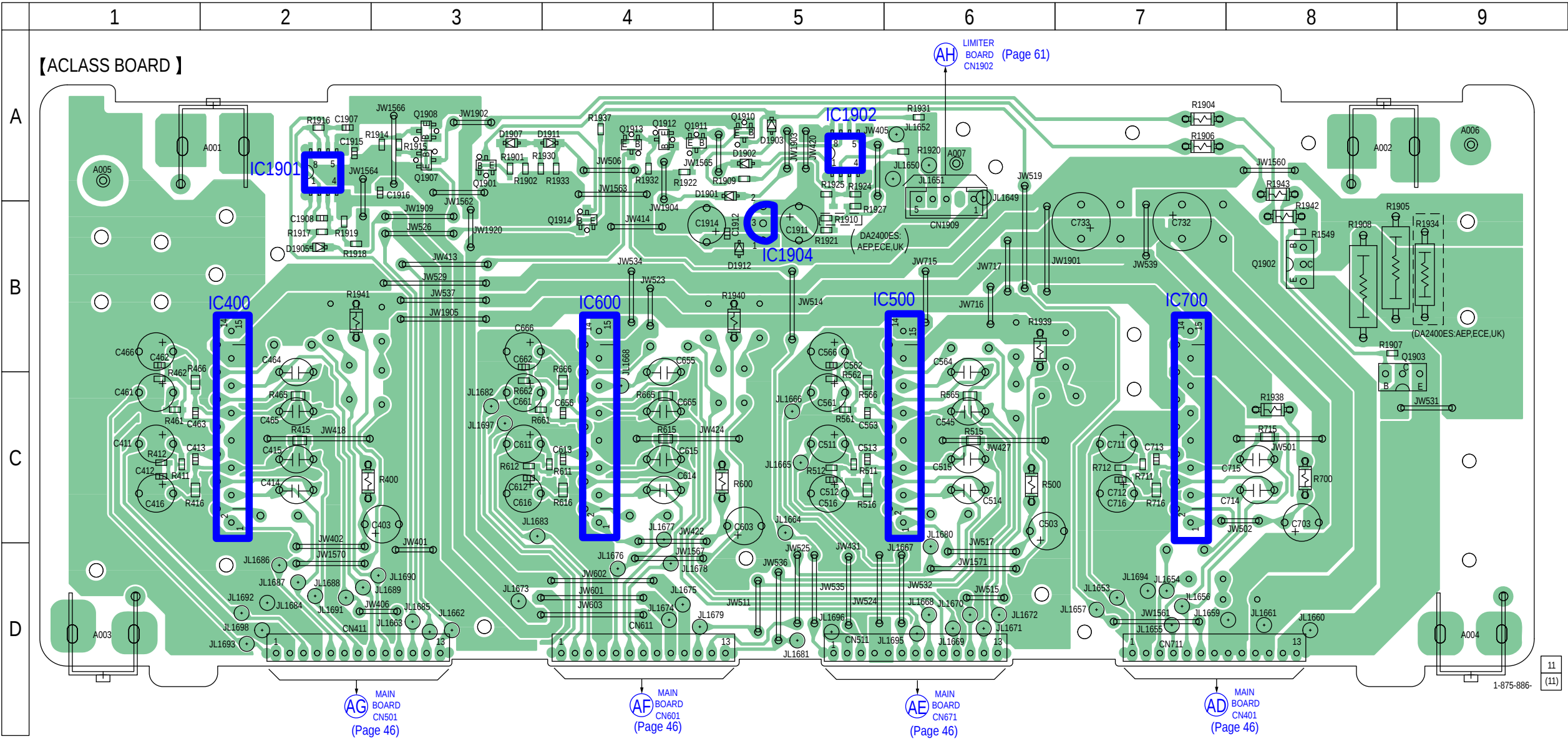
6-21. SCHEMATIC DIAGRAM - MAIN Board (2/3) - • See Page 76 for IC Block Diagrams.



6-23. PRINTED WIRING BOARD - ACLASS Board - • See Page 35 for Circuit Boards Location. • : Uses unleaded solder.

• Semiconductor Location

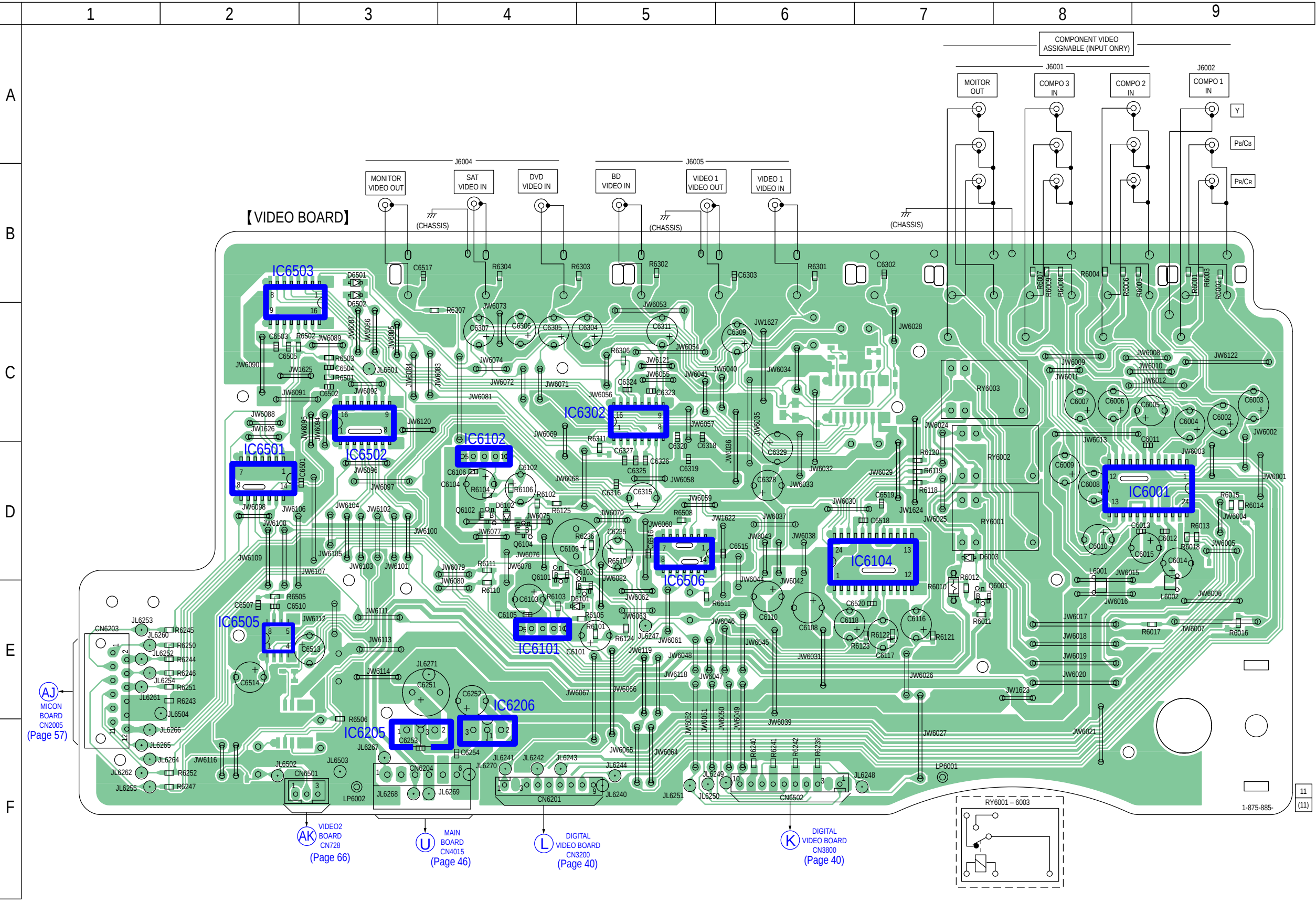
Ref. No.	Location
D1901	A-5
D1902	A-5
D1903	A-5
D1905	B-2
D1907	A-3
D1911	A-4
D1912	B-5
IC400	C-2
IC500	C-6
IC600	C-4
IC700	C-7
IC1901	A-2
IC1902	A-5
IC1904	B-5
Q1901	A-3
Q1902	B-8
Q1903	C-9
Q1907	A-3
Q1908	A-3
Q1910	A-5
Q1911	A-4
Q1912	A-4
Q1913	A-4
Q1914	B-4



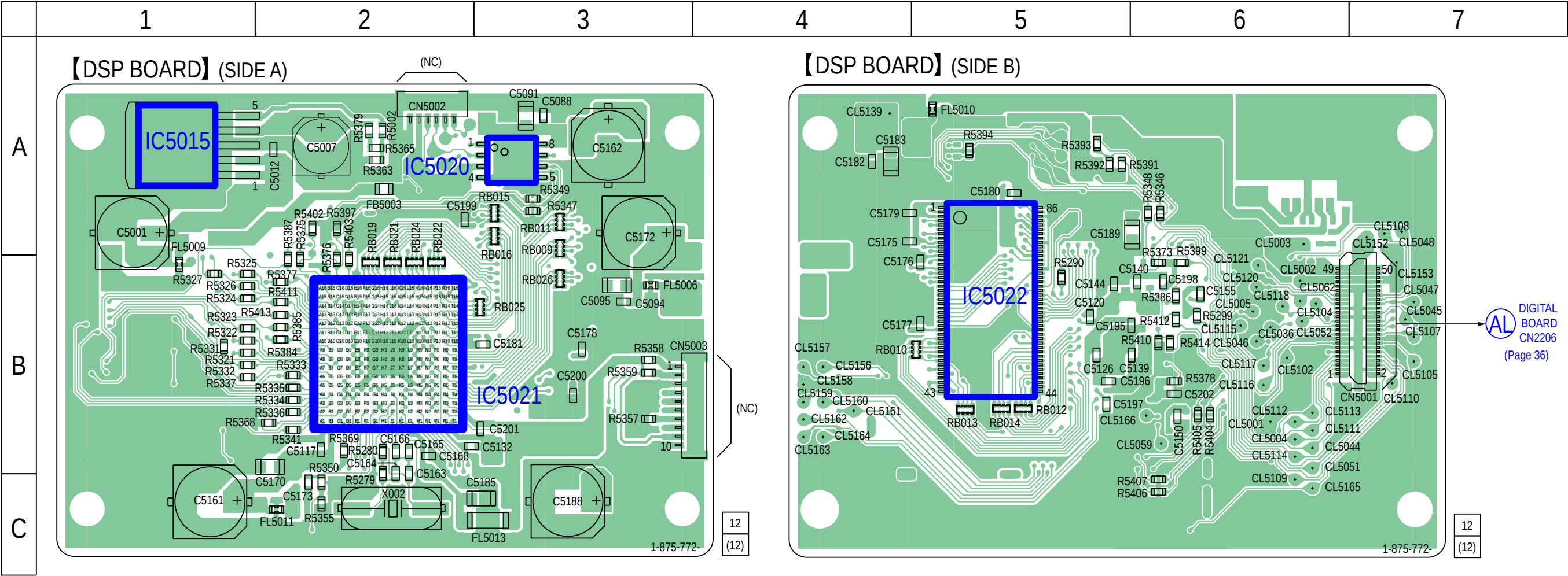
6-25. PRINTED WIRING BOARD - VIDEO Board - • See Page 35 for Circuit Boards Location. • : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D6003	D-7
D6101	E-5
D6102	D-4
D6501	B-3
D6502	B-3
IC6001	D-9
IC6101	E-4
IC6102	D-4
IC6104	D-7
IC6205	F-3
IC6206	F-4
IC6302	C-5
IC6501	D-2
IC6502	C-3
IC6503	B-2
IC6505	E-2
IC6506	D-5
Q6001	E-7
Q6101	D-4
Q6102	D-4
Q6103	E-5
Q6104	D-4



6-27. PRINTED WIRING BOARD - DSP Board - • See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.



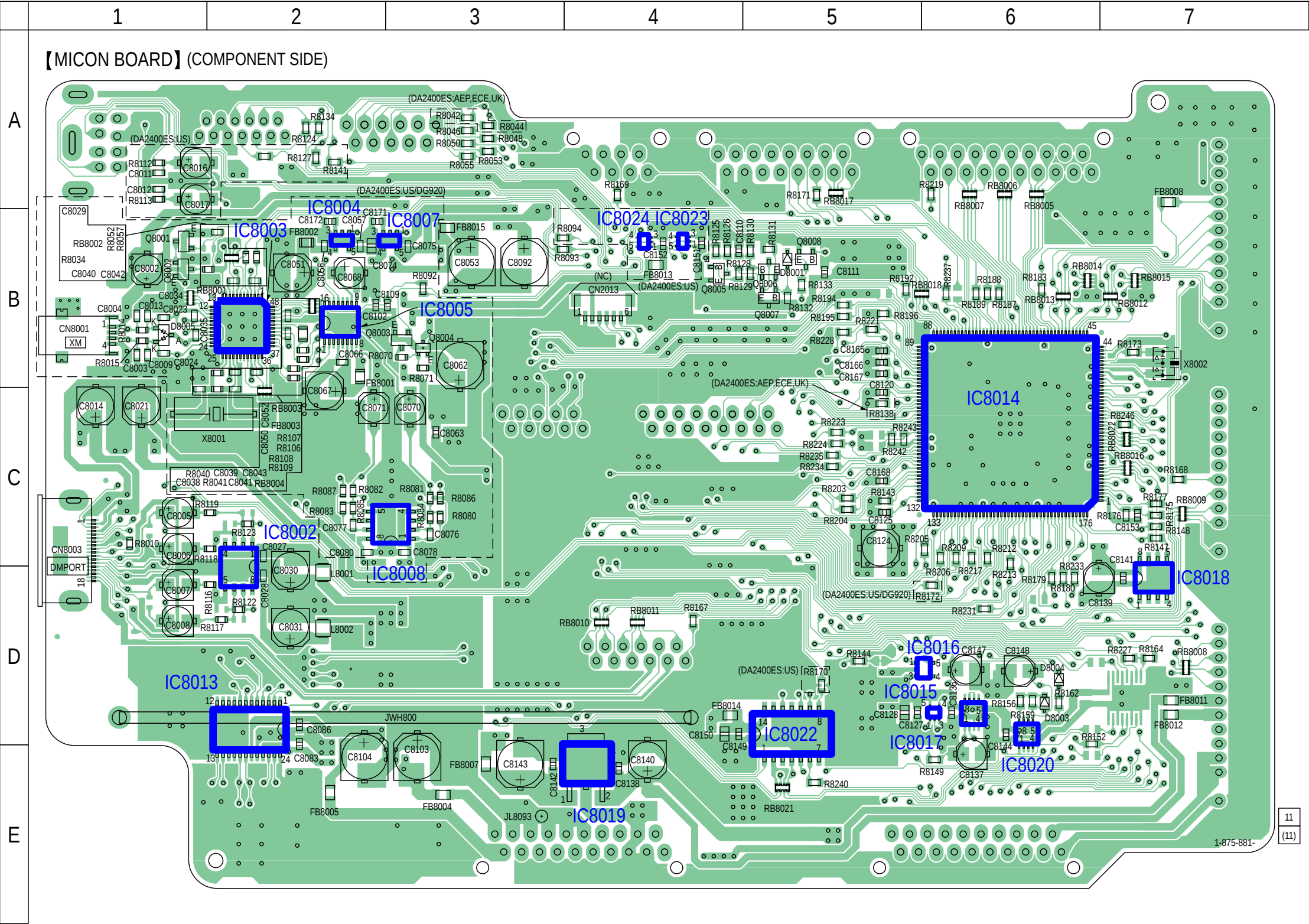
DIGITAL BOARD
CN2206
(Page 36)

Note: IC5021 cannot exchange with single. When IC5021 is damaged, exchange the entire mounted board.

6-29. PRINTED WIRING BOARD - MICON Board (Component Side) - • See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.

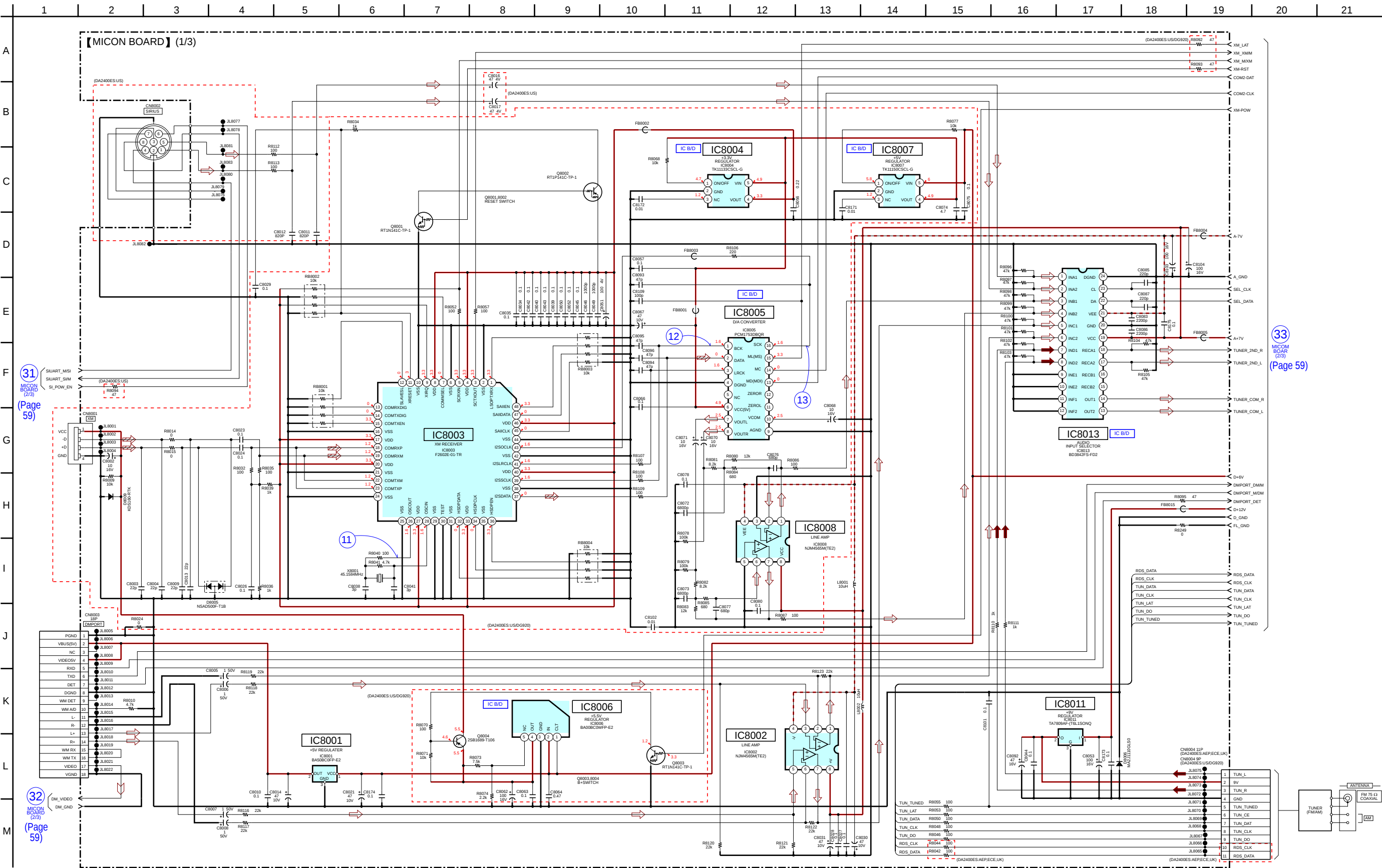
• Semiconductor Location

Ref. No.	Location
D8001	B-5
D8003	D-6
D8004	D-6
D8005	B-1
IC8002	C-2
IC8003	B-2
IC8004	B-2
IC8005	B-2
IC8007	B-3
IC8008	C-3
IC8013	D-2
IC8014	C-6
IC8015	D-6
IC8016	D-6
IC8017	D-6
IC8018	D-7
IC8019	E-4
IC8020	D-6
IC8022	D-5
IC8023	B-4
IC8024	B-4
Q8001	B-1
Q8002	B-1
Q8003	B-3
Q8004	B-3
Q8005	B-4
Q8006	B-5
Q8007	B-5
Q8008	B-5

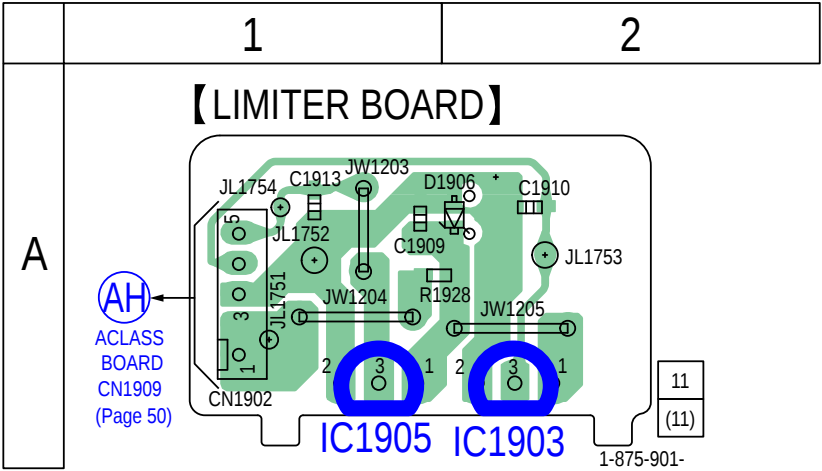


Note: IC8018 cannot exchange with single. When IC8018 is damaged, exchange the entire mounted board.

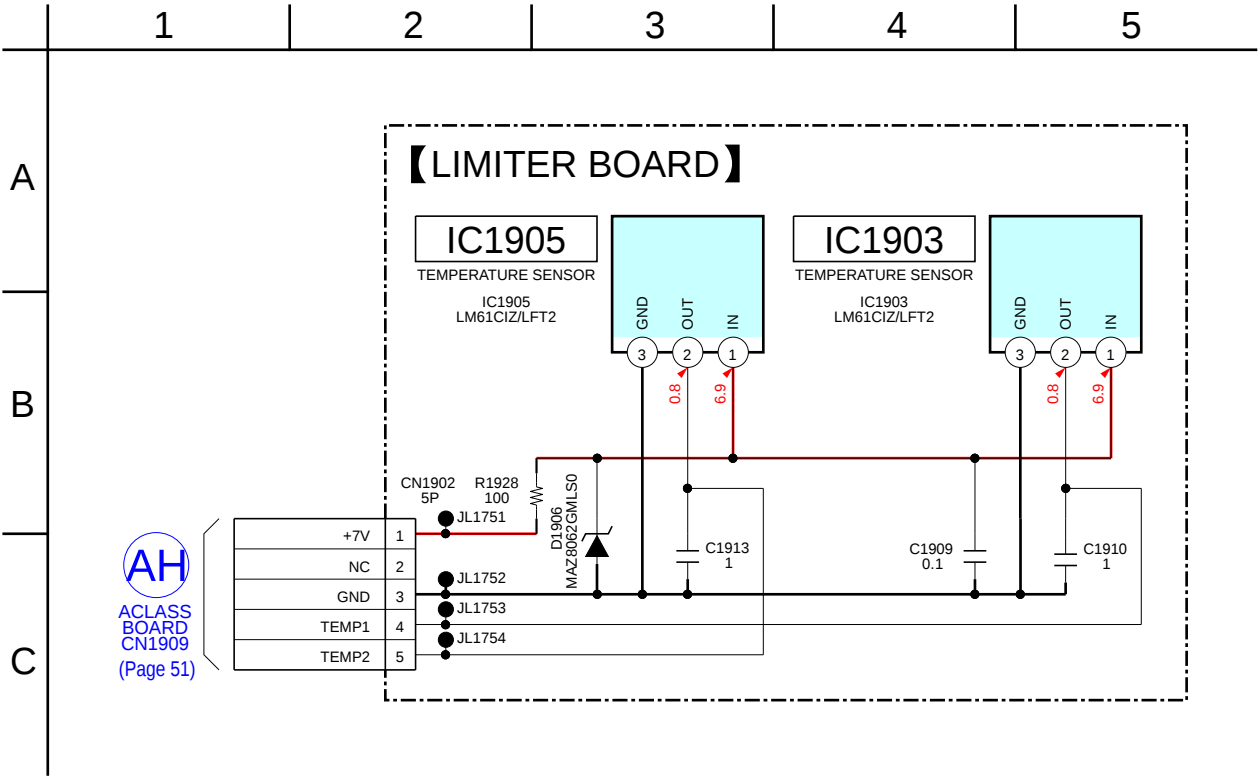
6-31. SCHEMATIC DIAGRAM - MICON Board (1/3) - • See Page 61 for Waveforms. • See Page 76 for IC Block Diagrams. • See Page 86 for IC Pin Function Description.



6-34. PRINTED WIRING BOARD - LIMITER Board -
• See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.

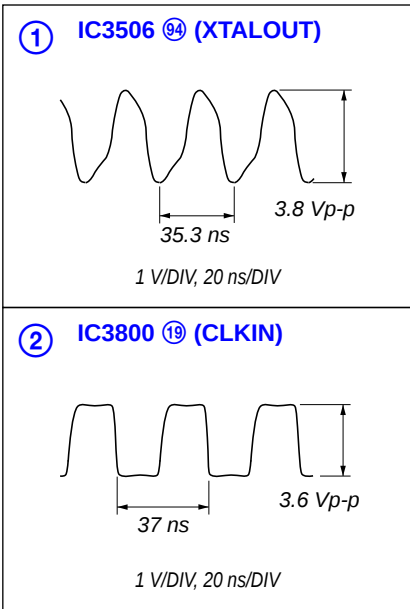


6-35. SCHEMATIC DIAGRAM - LIMITER Board -

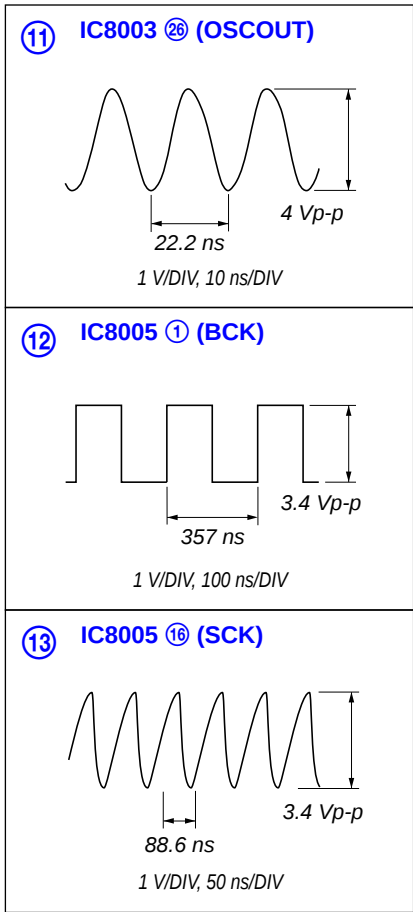


• Waveforms

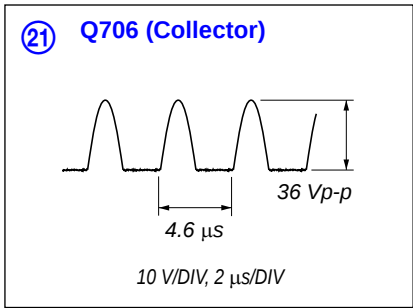
– DIGITAL VIDEO Board –



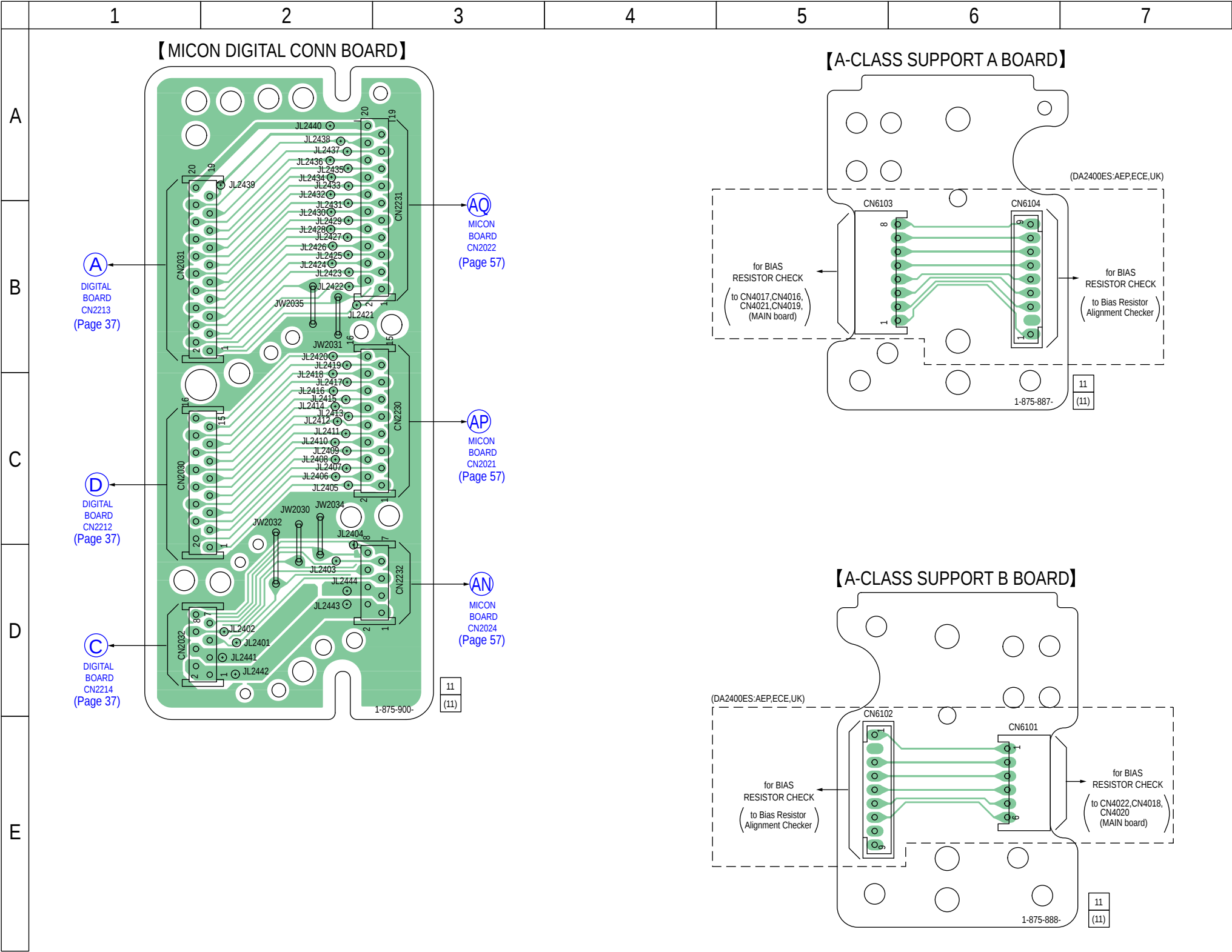
– MICON Board –



– DISPLAY Board –

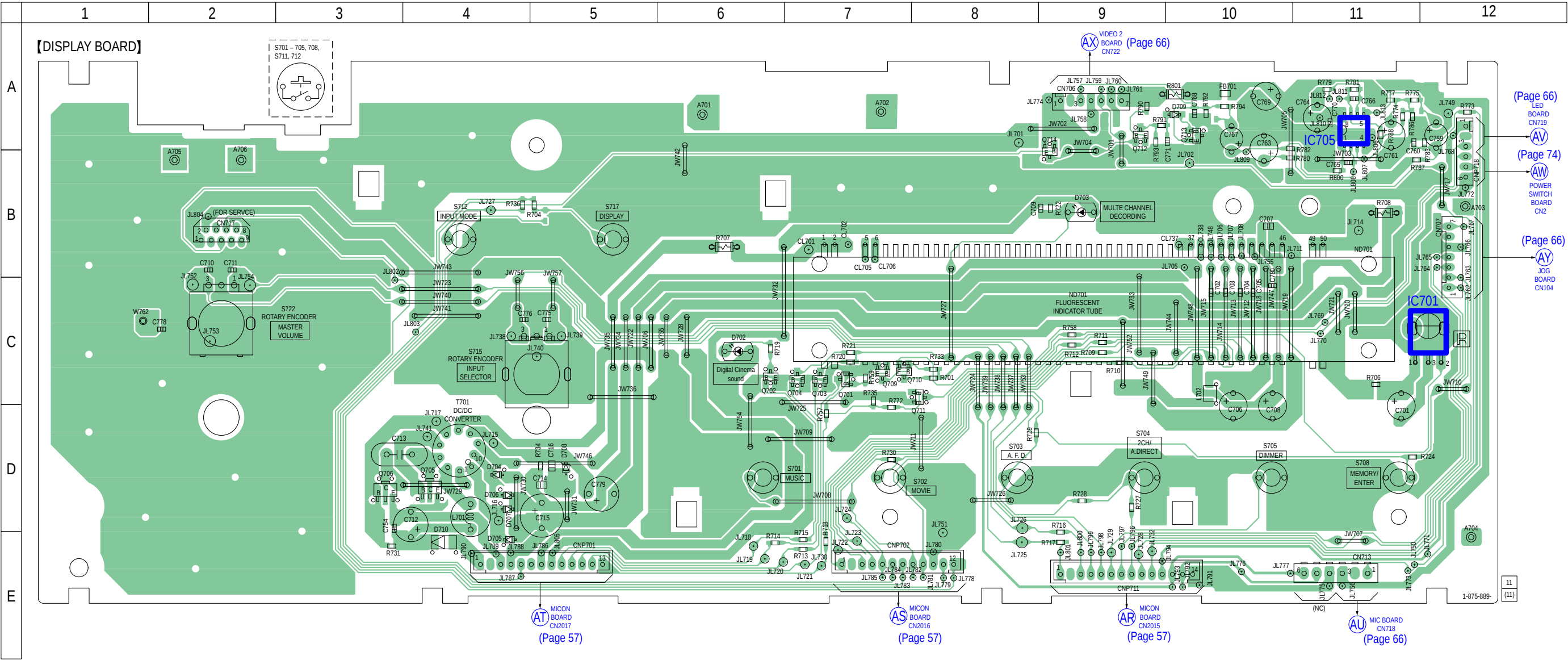


6-36. PRINTED WIRING BOARDS - CONNECTOR Section - • See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.





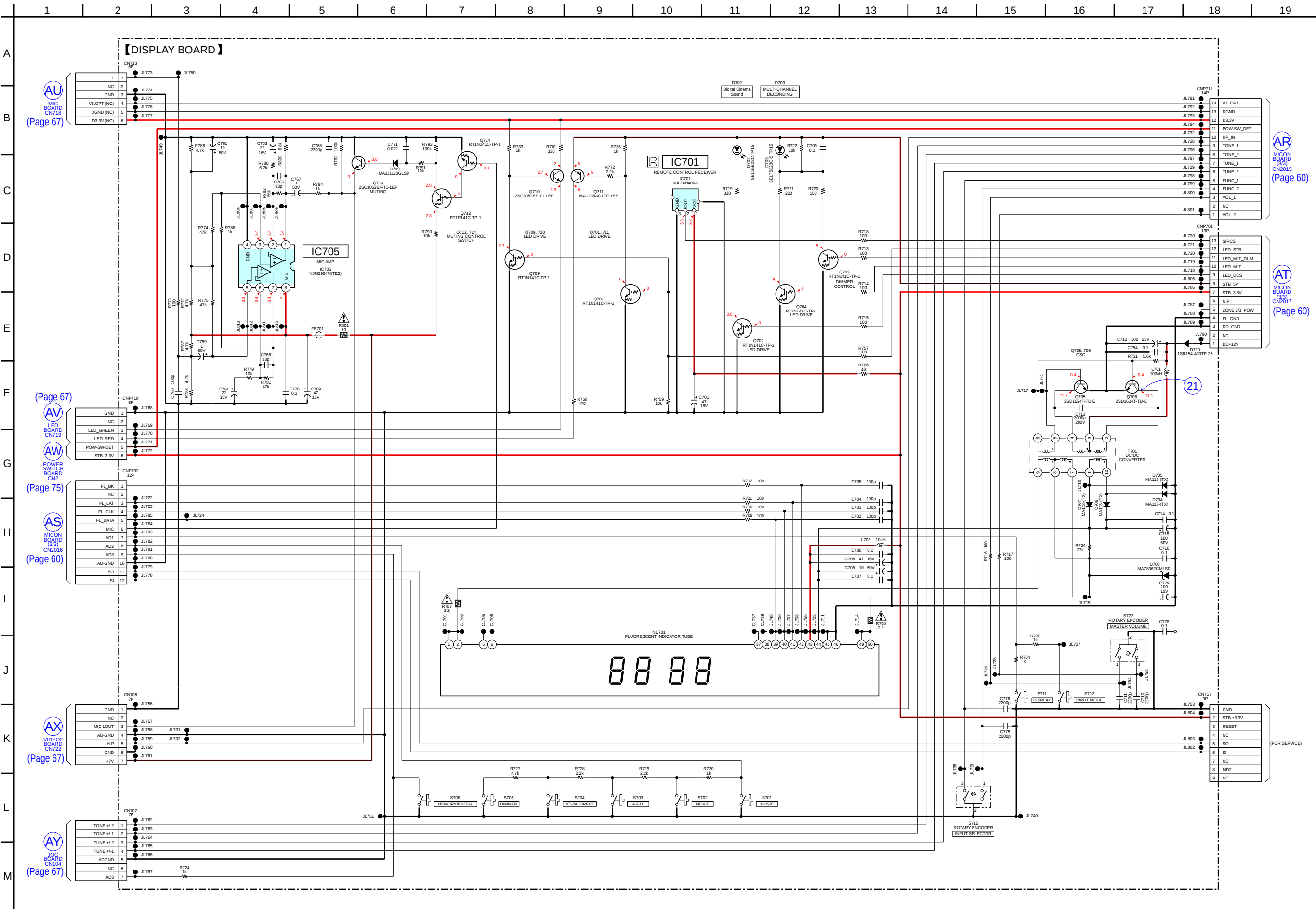
6-38. PRINTED WIRING BOARD - DISPLAY Board - • See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.



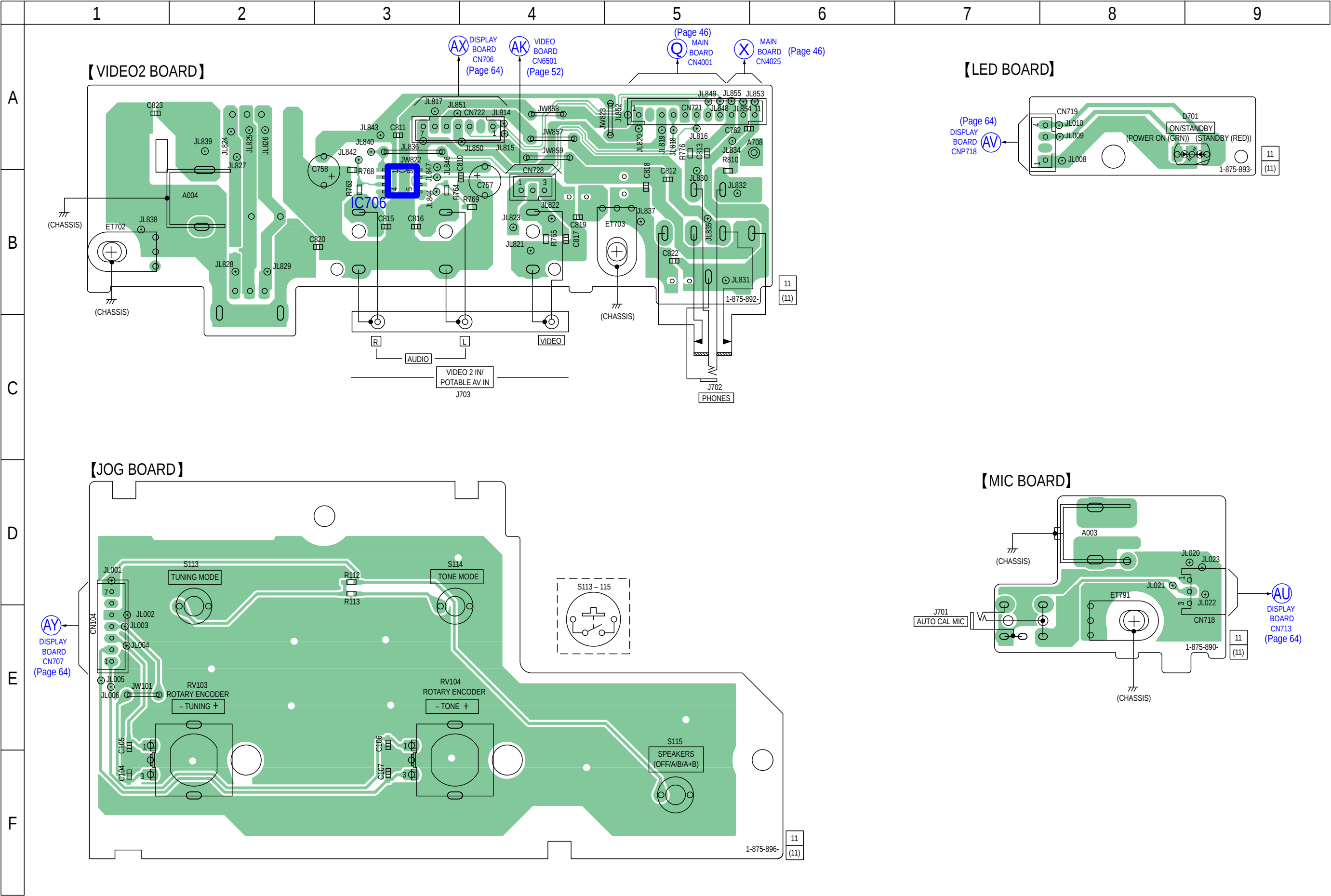
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D702	C-6	IC701	C-12	Q706	D-3
D703	B-9	IC705	A-11	Q709	C-7
D704	D-4			Q710	C-7
D705	E-4			Q711	C-8
D706	D-4	Q701	C-7	Q712	A-9
D707	D-4	Q702	C-6	Q713	A-10
D708	D-5	Q703	C-7	Q714	B-9
D709	A-10	Q704	C-7		
D710	E-4	Q705	D-4		

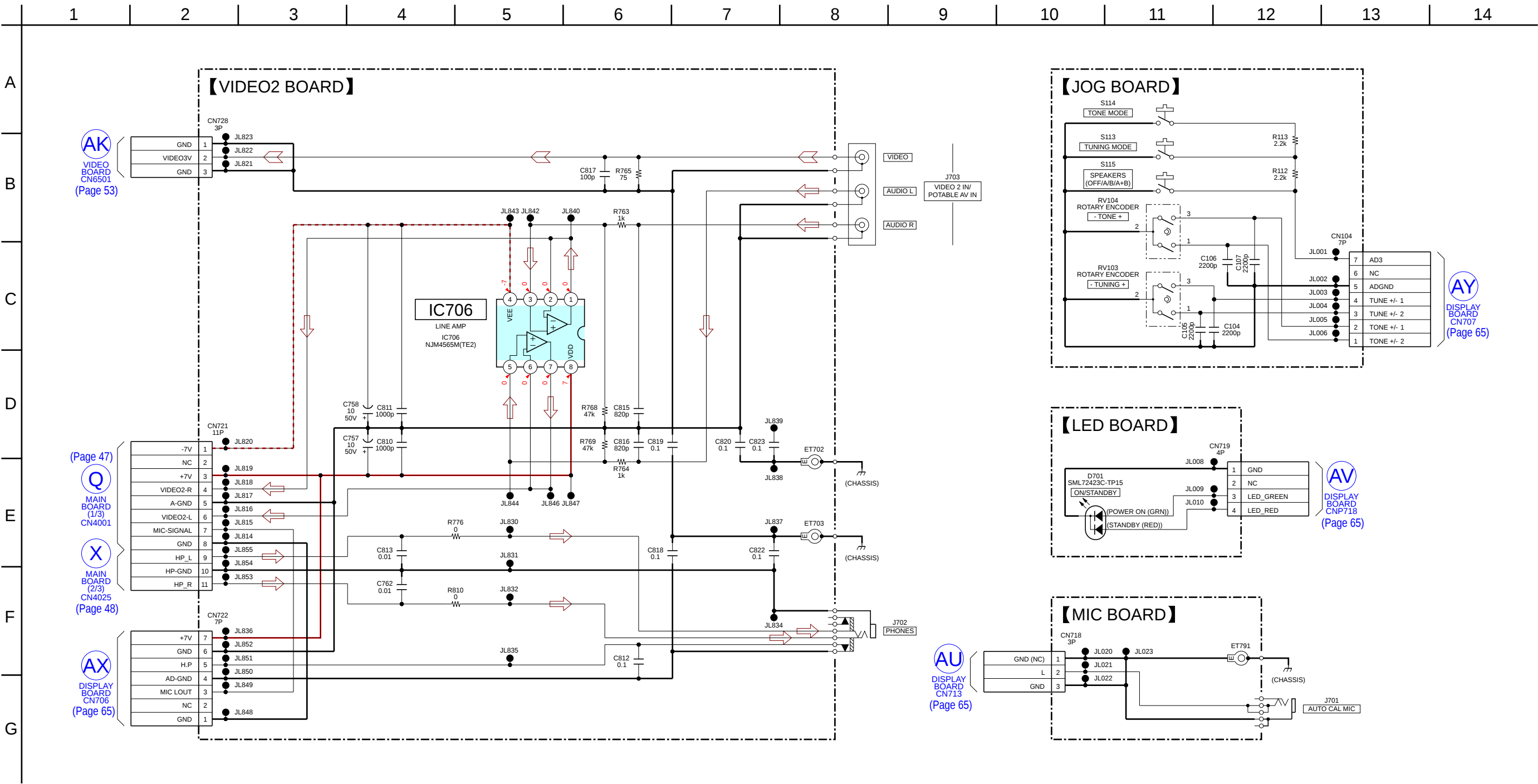
6-39. SCHEMATIC DIAGRAM - DISPLAY Board - • See Page 61 for Waveforms.



6-40. PRINTED WIRING BOARDS - PANEL Section - • See Page 35 for Circuit Boards Location. • : Uses unleaded solder.



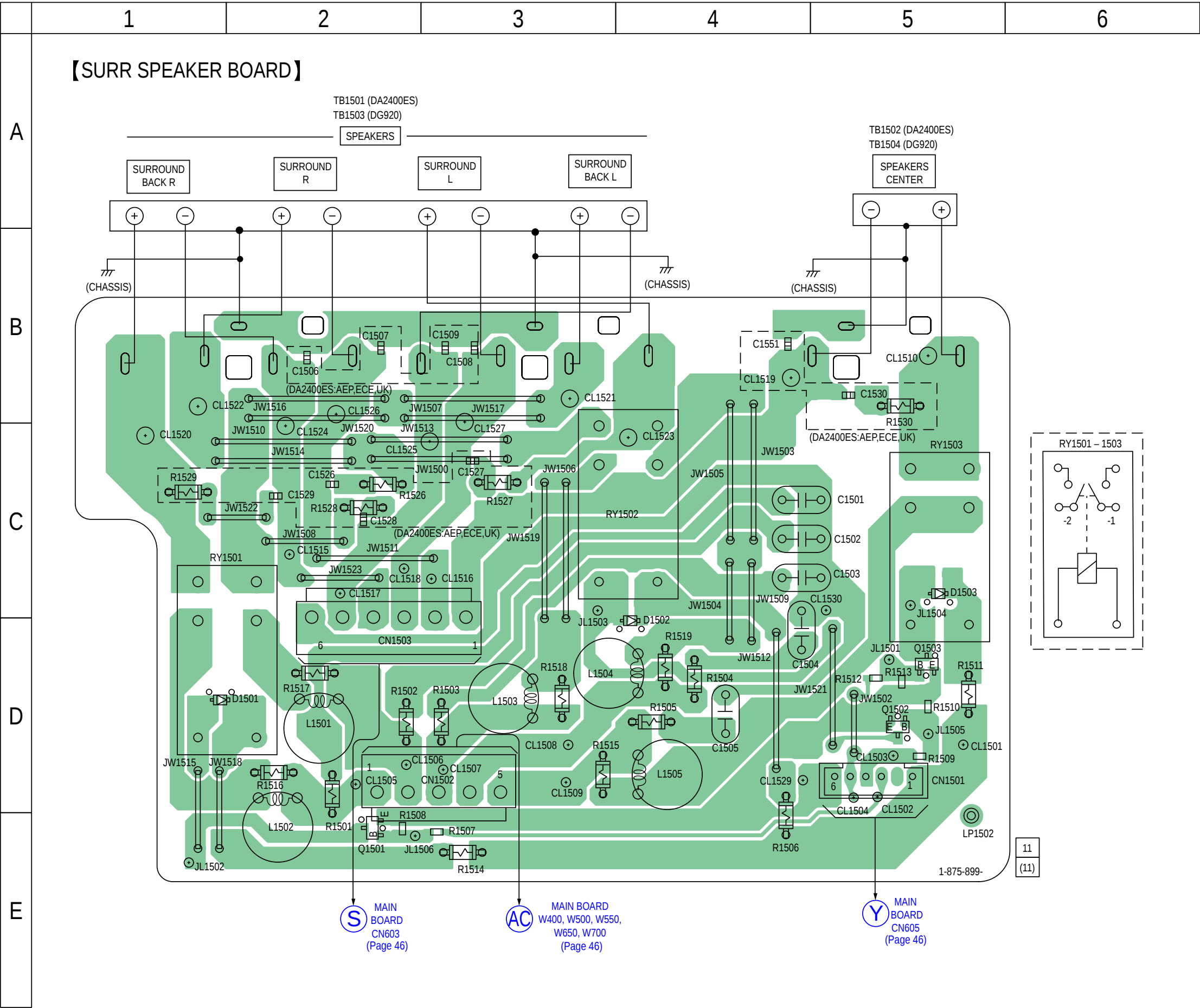
6-41. SCHEMATIC DIAGRAM - PANEL Section -



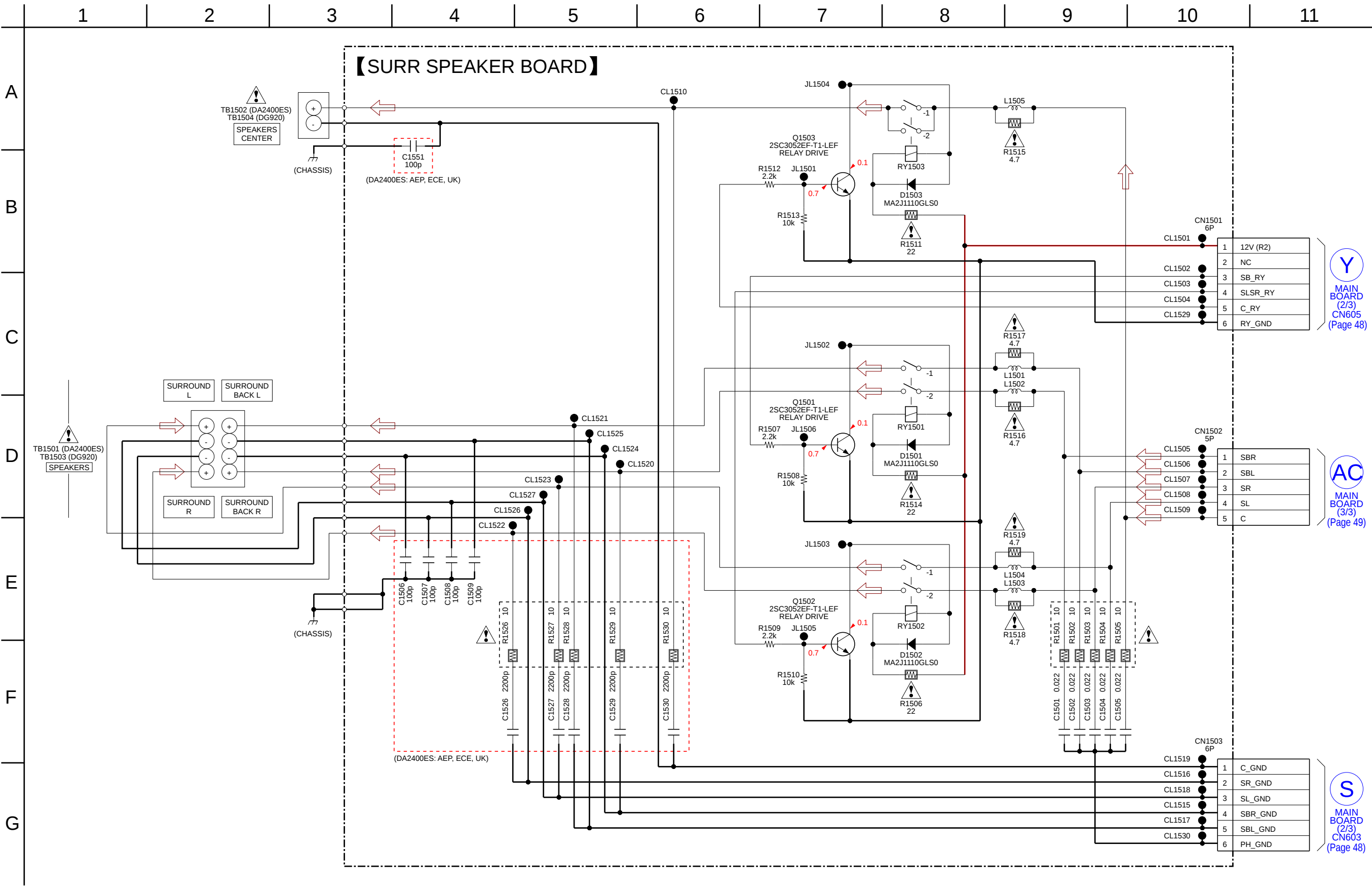
6-42. PRINTED WIRING BOARD - SURR SPEAKER Board - • See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D1501	D-1
D1502	D-4
D1503	C-5
Q1501	E-2
Q1502	D-5
Q1503	D-5



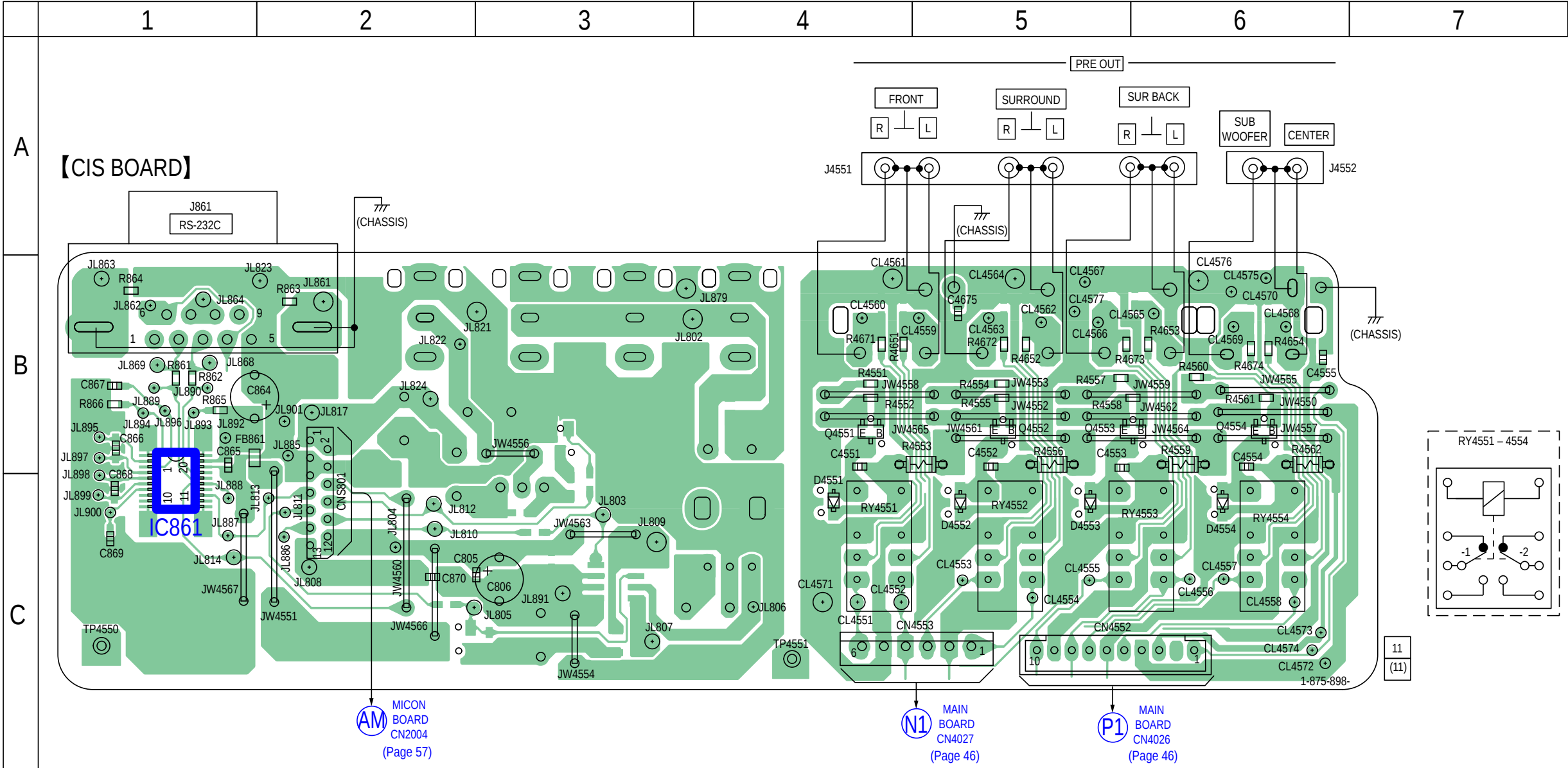
6-43. SCHEMATIC DIAGRAM - SURR SPEAKER Board -



6-44. PRINTED WIRING BOARD - CIS Board (DA2400ES: US model) - • See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.

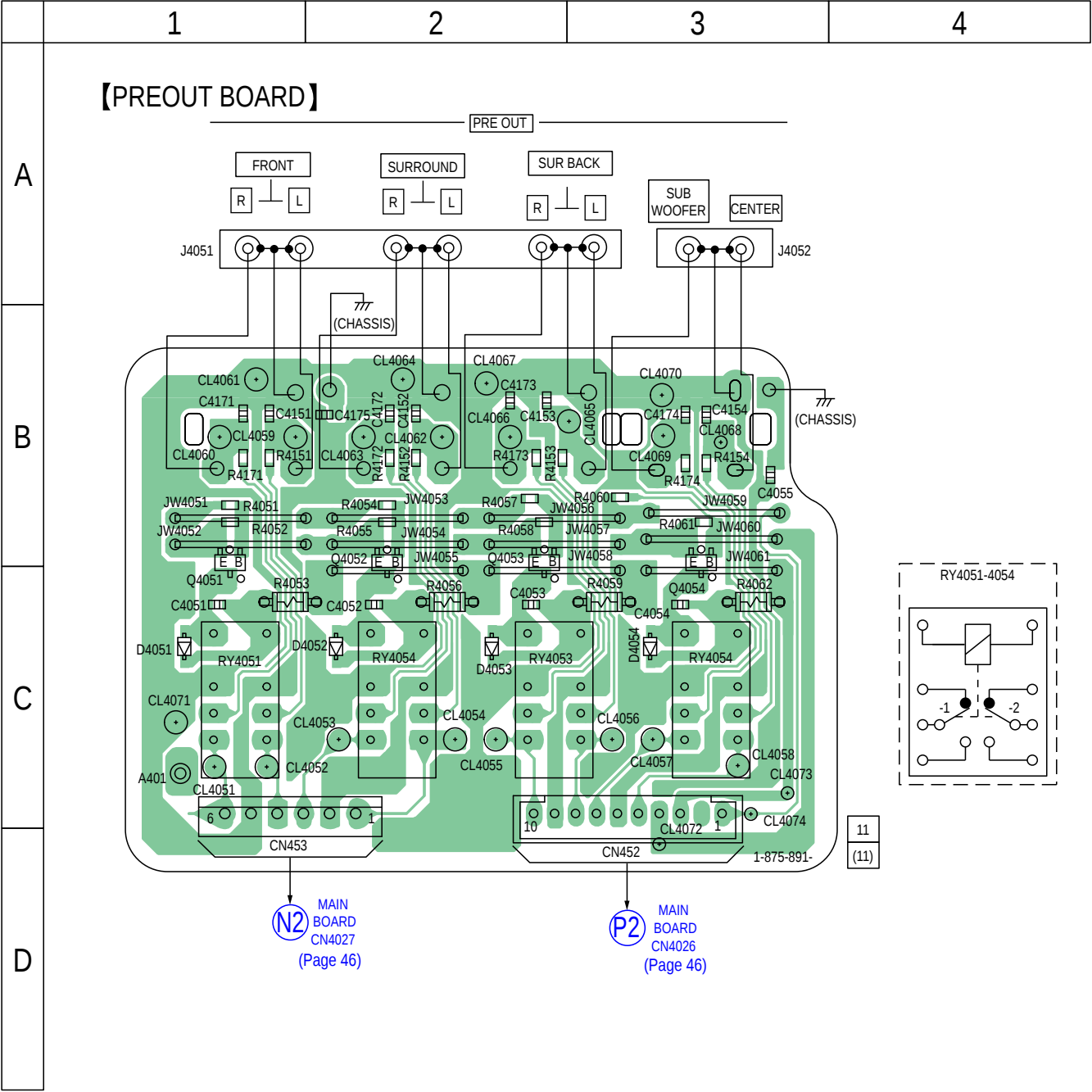
• Semiconductor Location

Ref. No.	Location
D4551	C-4
D4552	C-5
D4553	C-5
D4554	C-6
IC861	C-1
Q4551	B-4
Q4552	B-5
Q4553	B-5
Q4554	B-6



6-46. PRINTED WIRING BOARD - PREOUT Board (DA2400ES: AEP, ECE, UK models) -

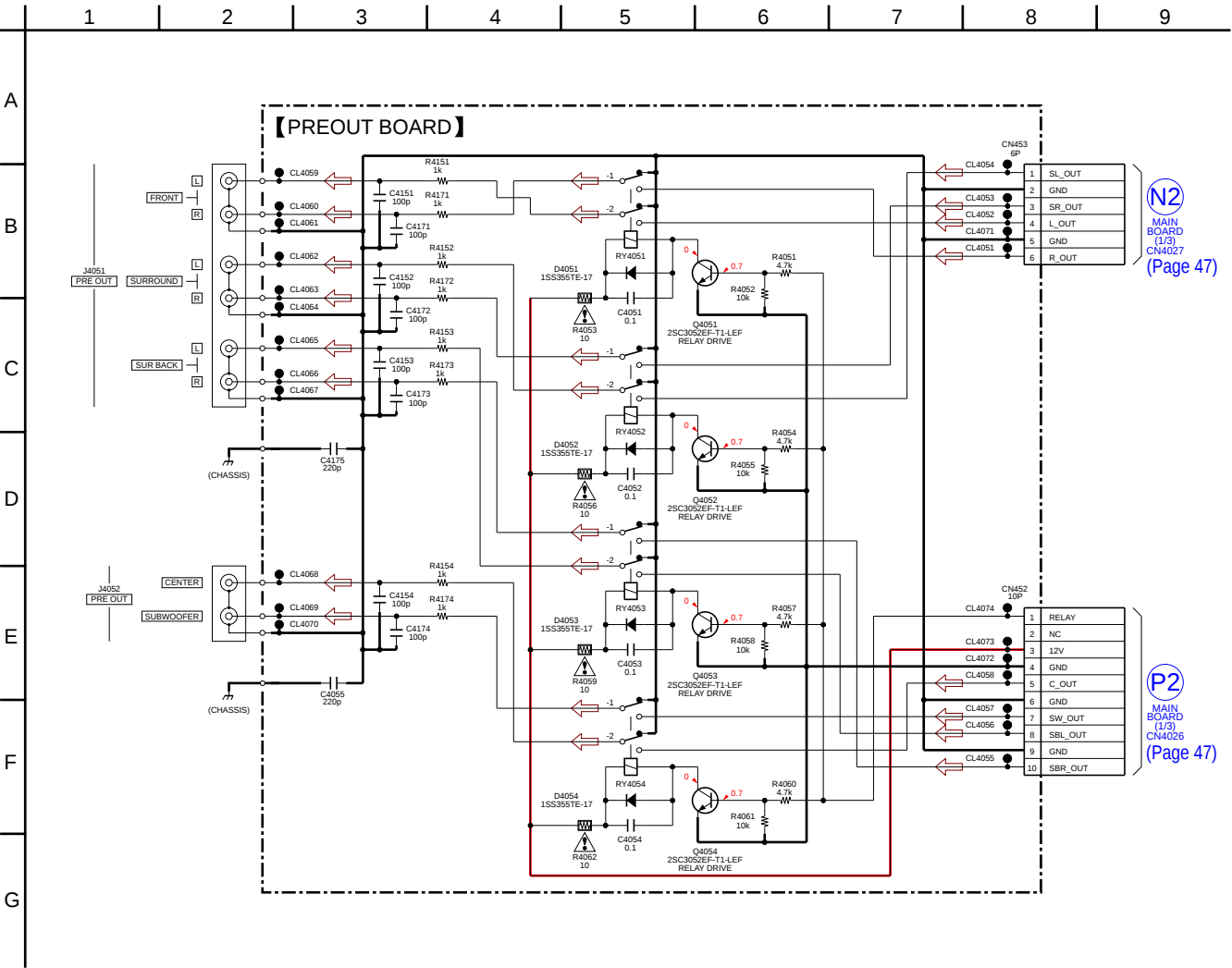
• See Page 35 for Circuit Boards Location. •  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D4051	C-1
D4052	C-2
D4053	C-2
D4054	C-3
Q4051	B-1
Q4052	B-2
Q4053	B-2
Q4054	B-3

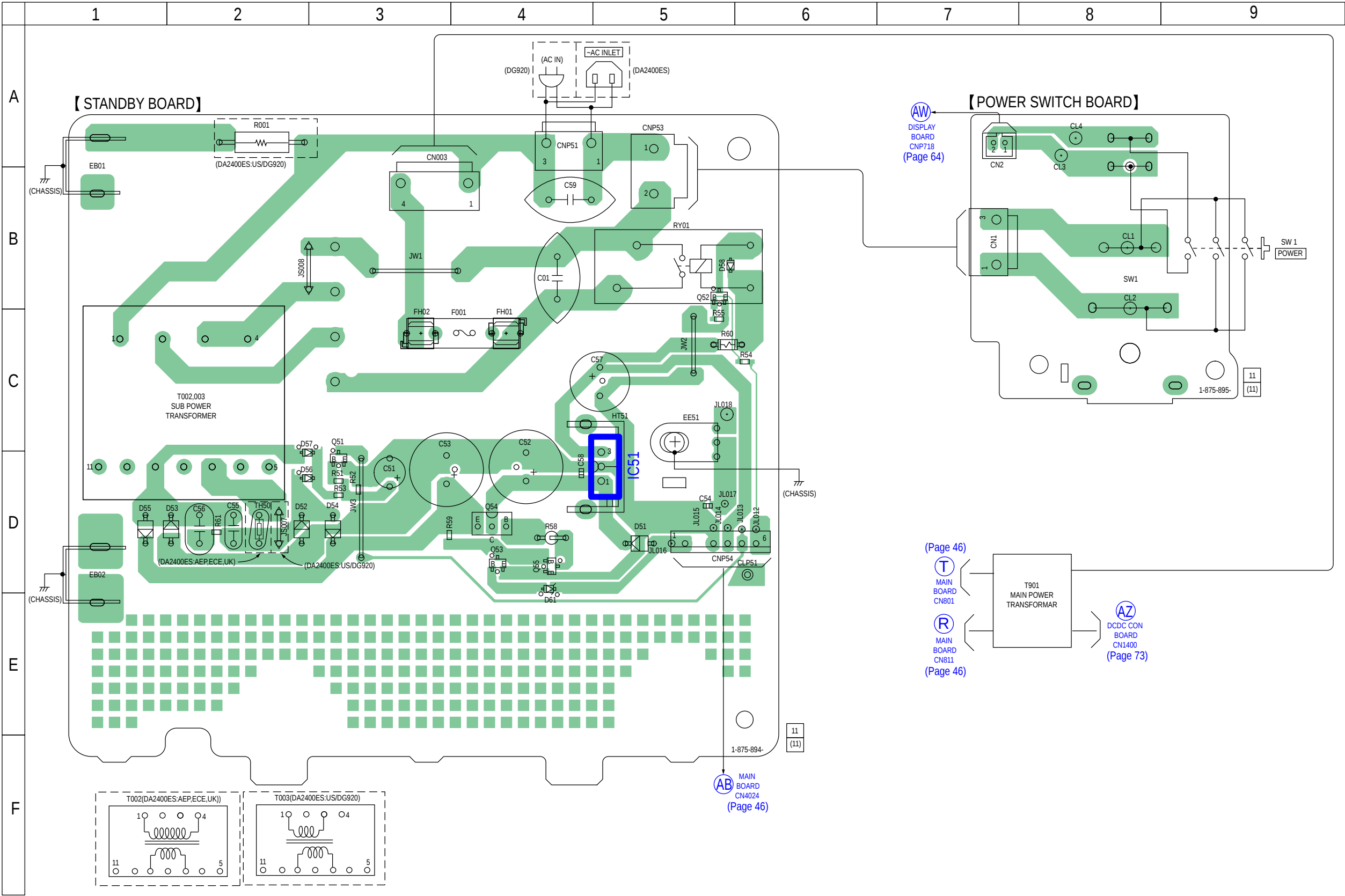
6-47. SCHEMATIC DIAGRAM - PREOUT Board (DA2400ES: AEP, ECE, UK models) -



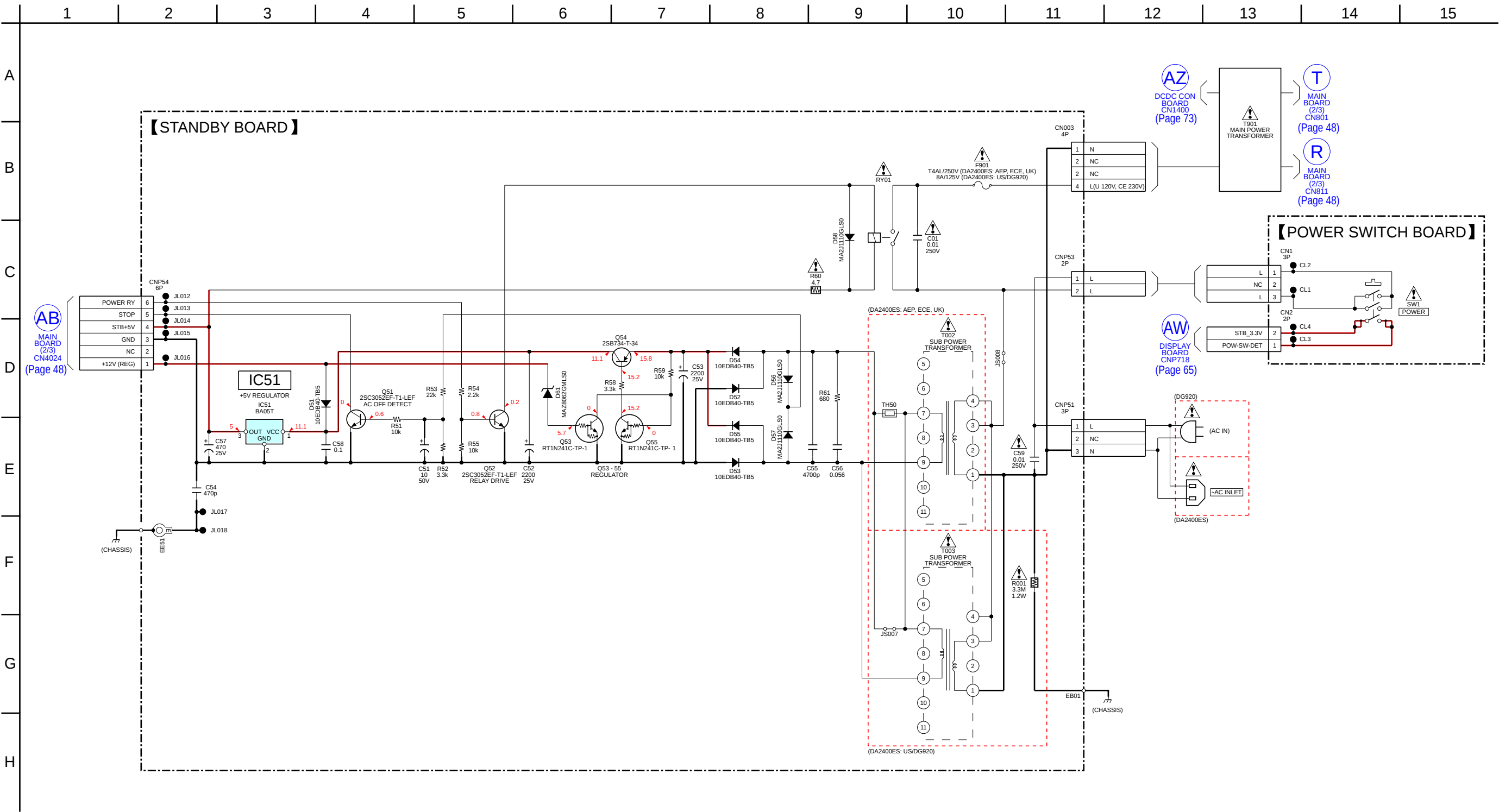
• Semiconductor Location

Ref. No.	Location
D51	D-5
D52	D-2
D53	D-2
D54	D-3
D55	D-1
D56	D-2
D57	D-2
D58	B-5
D61	D-4
IC51	D-5
Q51	D-3
Q52	B-5
Q53	D-4
Q54	D-4
Q55	D-4

6-50. PRINTED WIRING BOARDS - POWER Section - • See Page 35 for Circuit Boards Location. • : Uses unleaded solder.

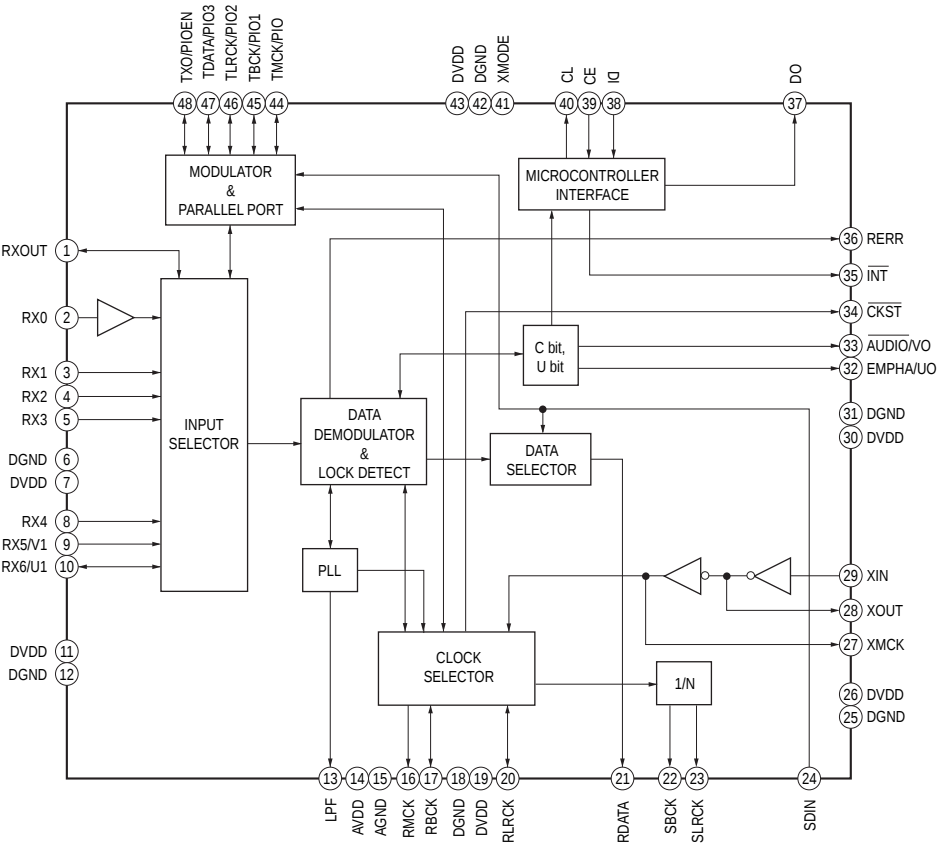


6-51. SCHEMATIC DIAGRAM - POWER Section -

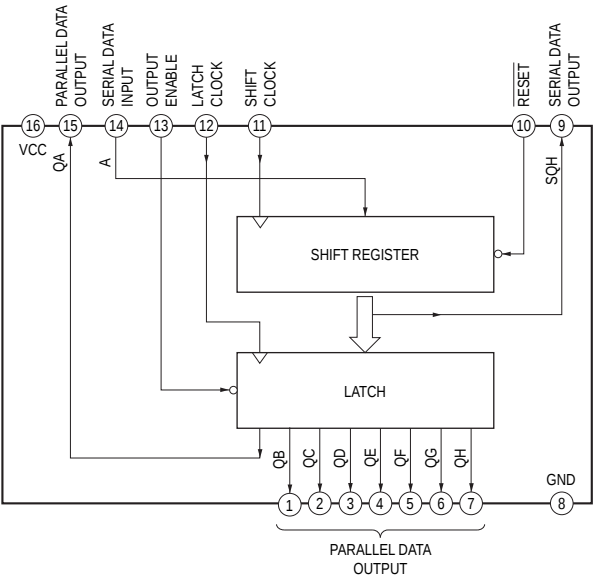


• IC Block Diagrams

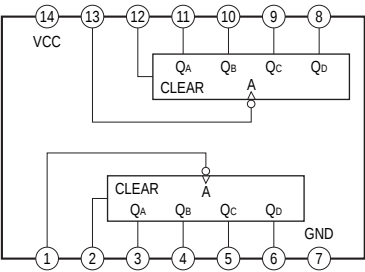
– DIGITAL Board –
IC2208 LC89057W-VF4A-E



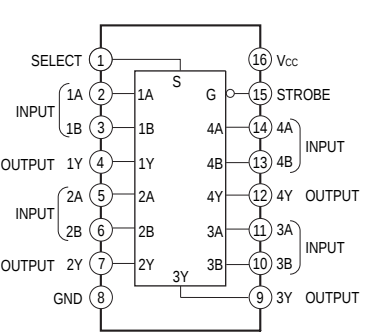
IC2210 SN74HC595ANS



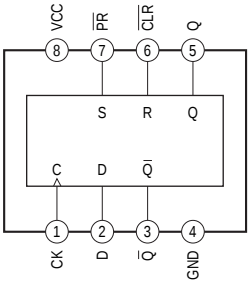
IC2211 TC74VHC393FT (EL)



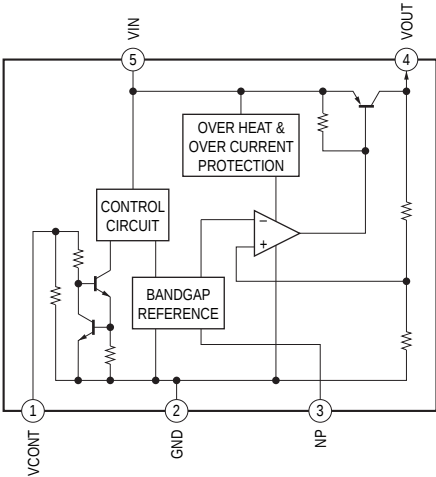
IC2212 TC74VHC157FT (EL)



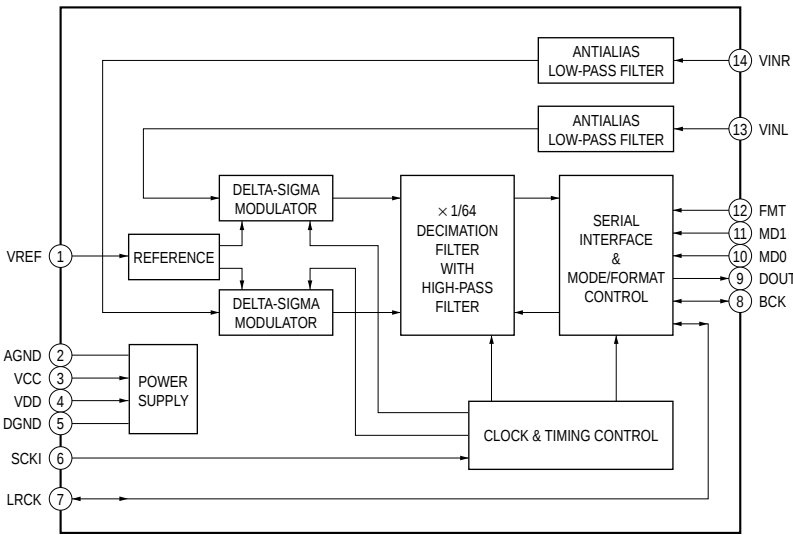
IC2226 TC7WH74FU (TE12R)



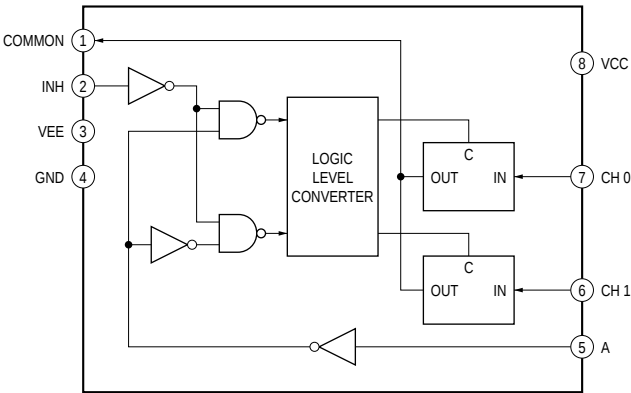
IC2230 TK11150CSCL-G



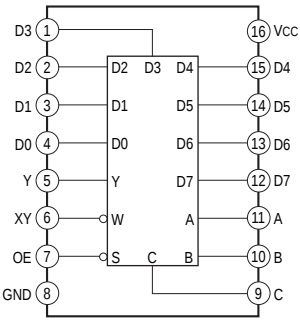
IC2233 PCM1808PWR



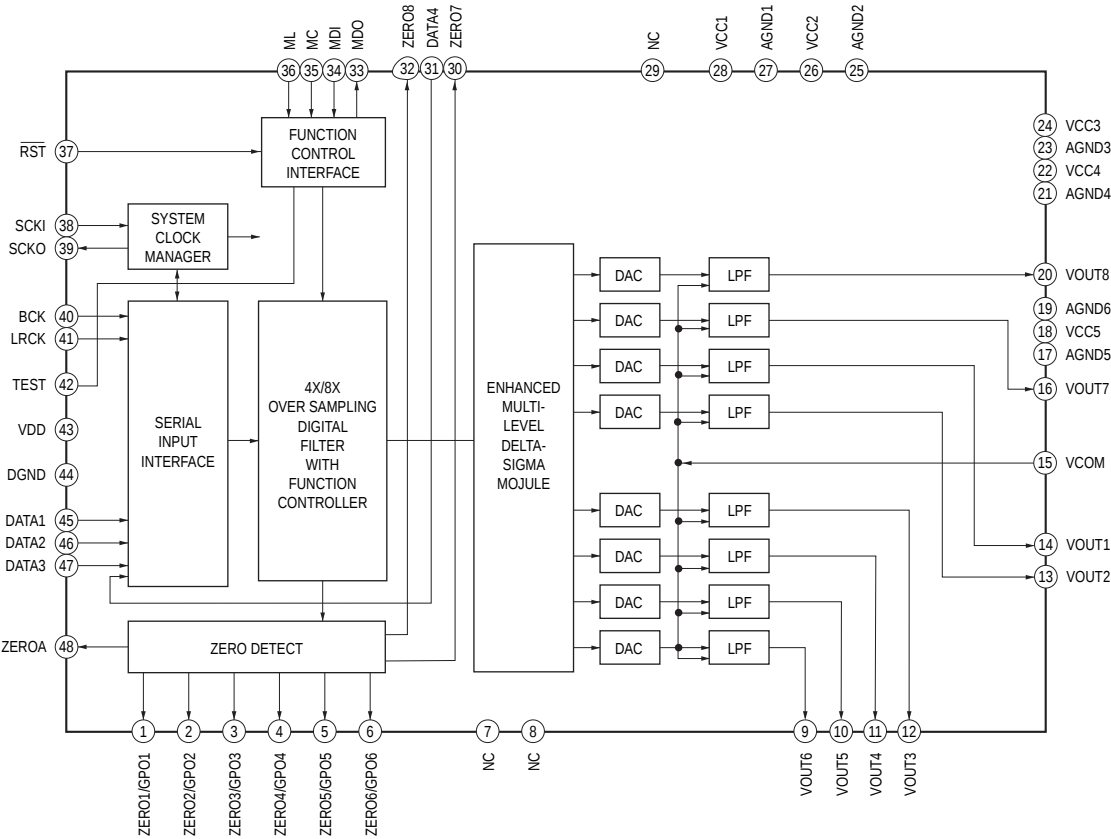
IC2236 TC7W53FU (TE12R)



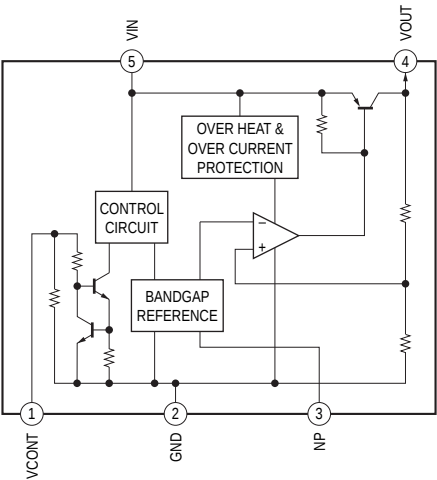
IC2237 TC74HC151AF (EL)



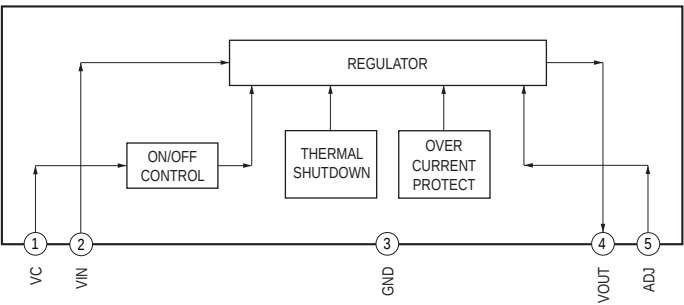
IC2238 PCM1609APT



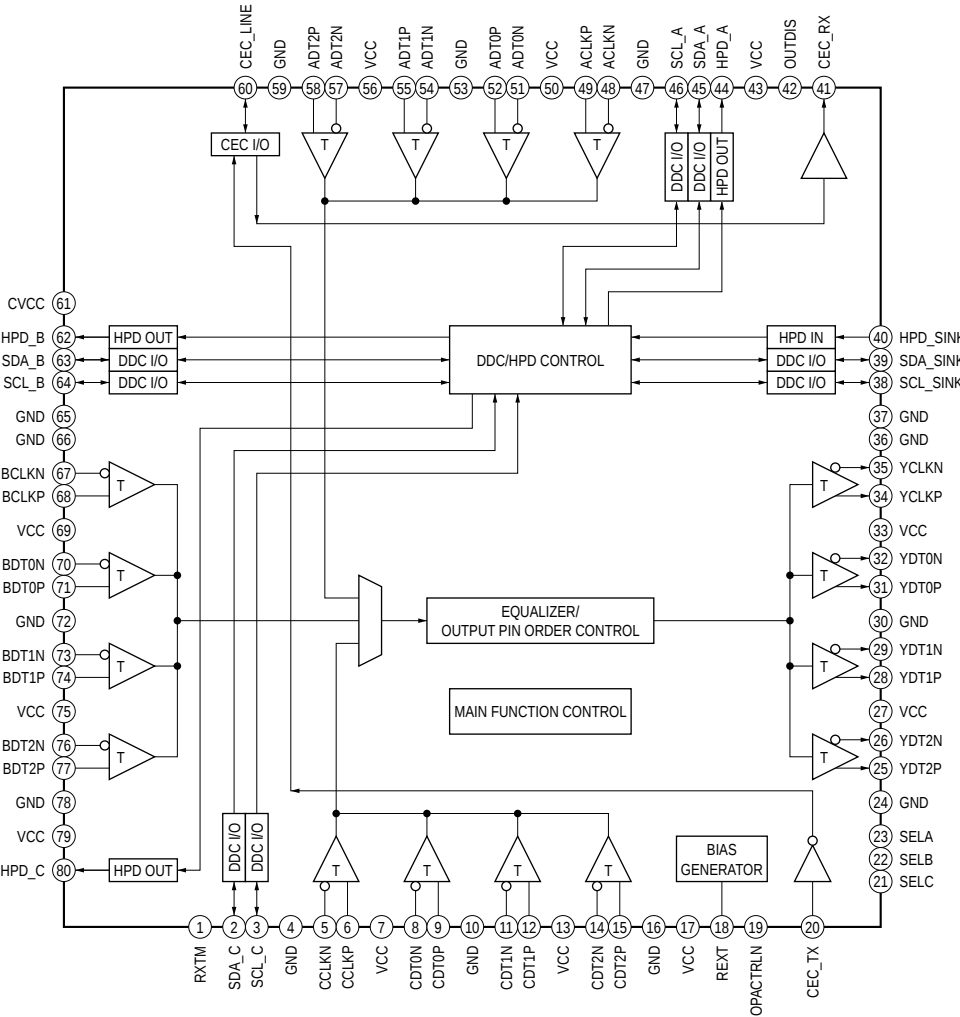
- DIGITAL VIDEO Board -
IC3205, 3807 TK11118CSCL-G
IC3509, 3510 TK11150CSCL-G
IC3809 TK11133CSCL-G



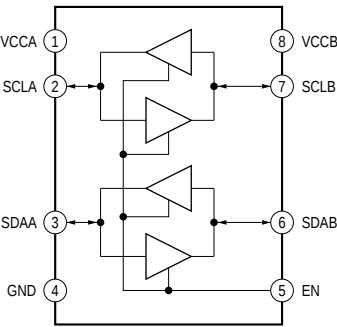
IC3209 SI-3011ZFE



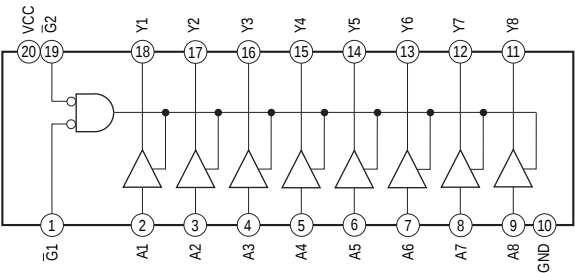
IC3501 CXB1444R-T6



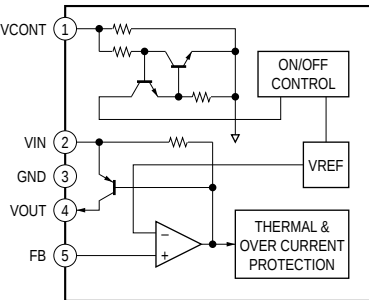
IC3502 PCA9517DP.118



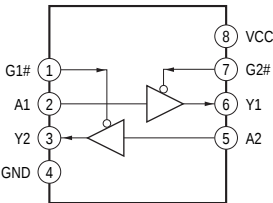
IC3507 TC74VHC541FT(EL)



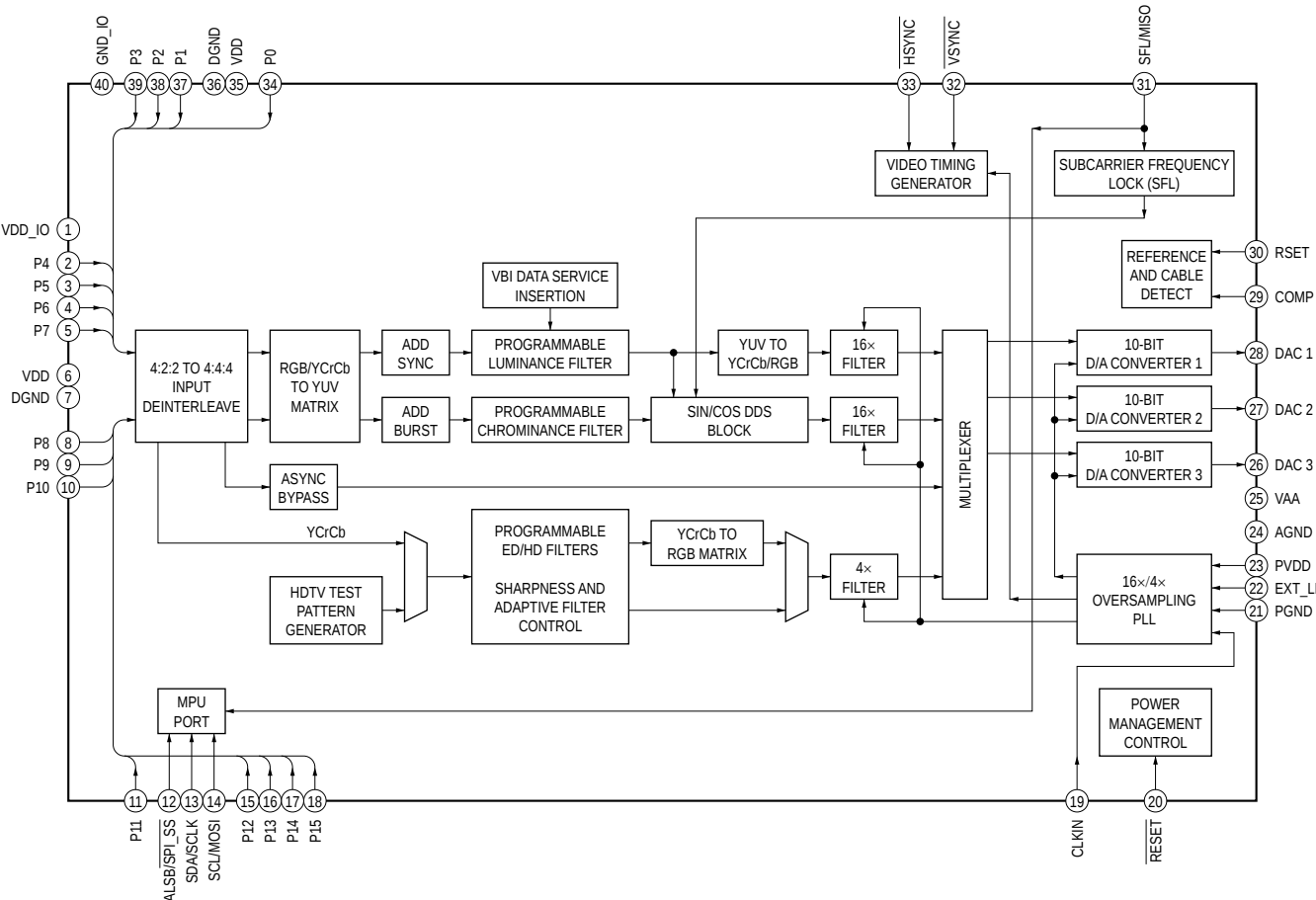
IC3511, 3512 TK73400AU3G0L-C



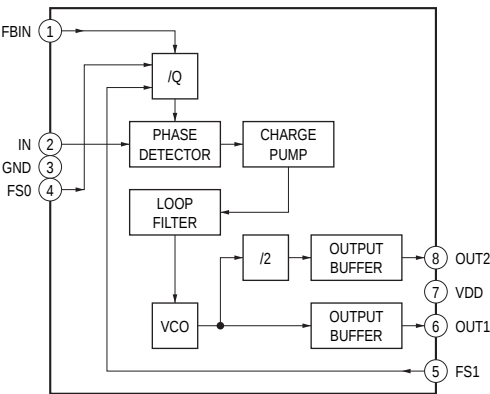
IC3513 TC7WT125FU (TE12R)



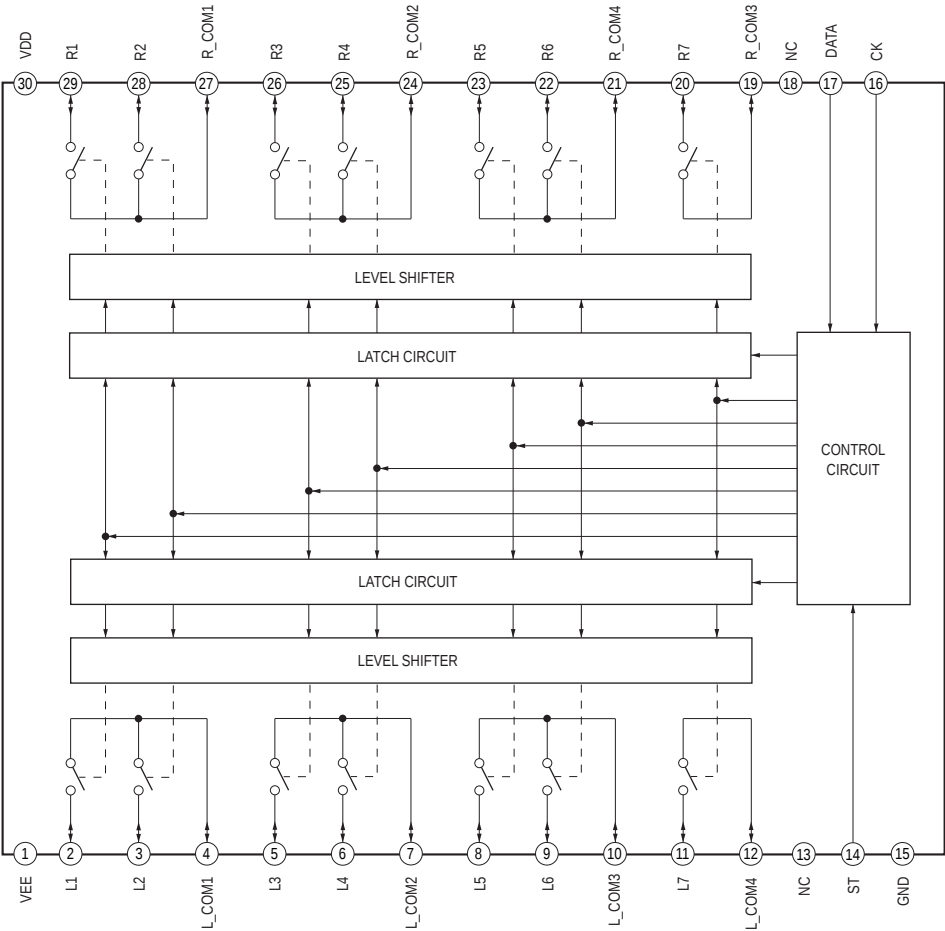
IC3800 ADV7392BCPZ



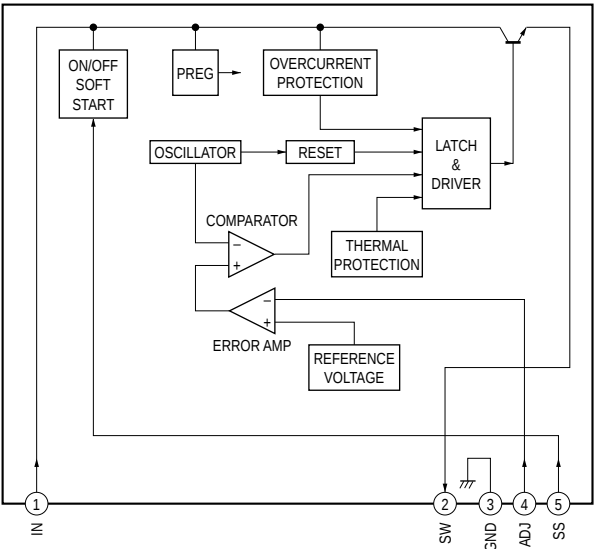
IC3810 CY2302-SXC-1T



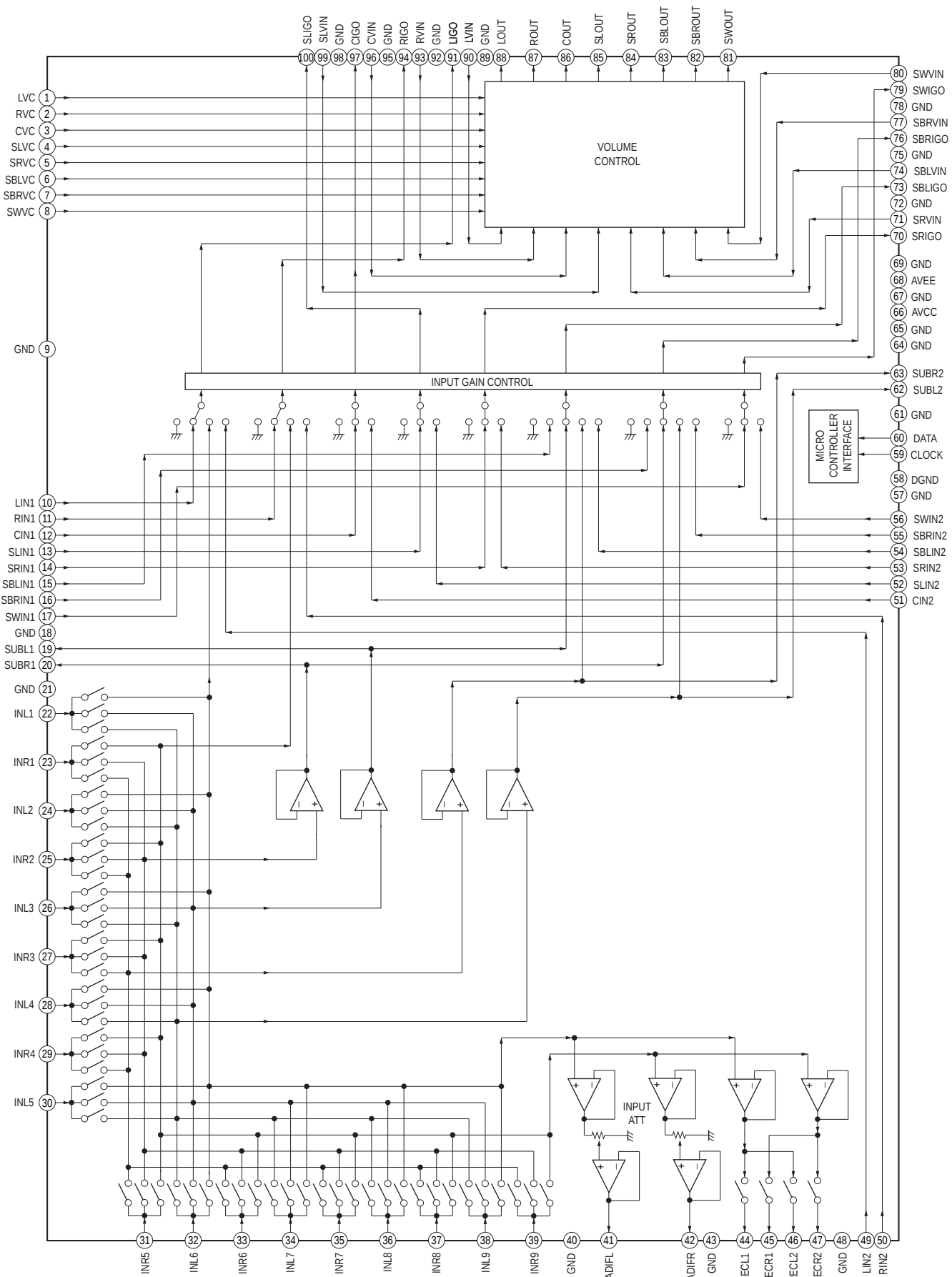
- MAIN Board -
IC403 NJU7311AM (TE2)



IC4100 SI-8001FFE

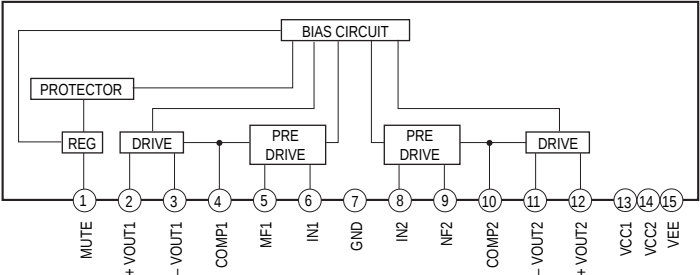


IC404 R2S15206FP

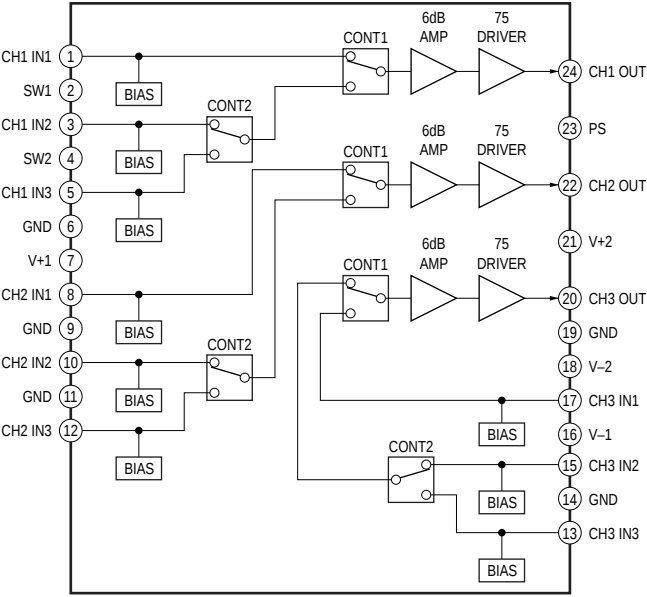


STR-DA2400ES/DG920

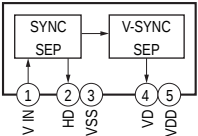
- ACLASS Board -
IC400, 500, 600, 700 μPC2581V-S



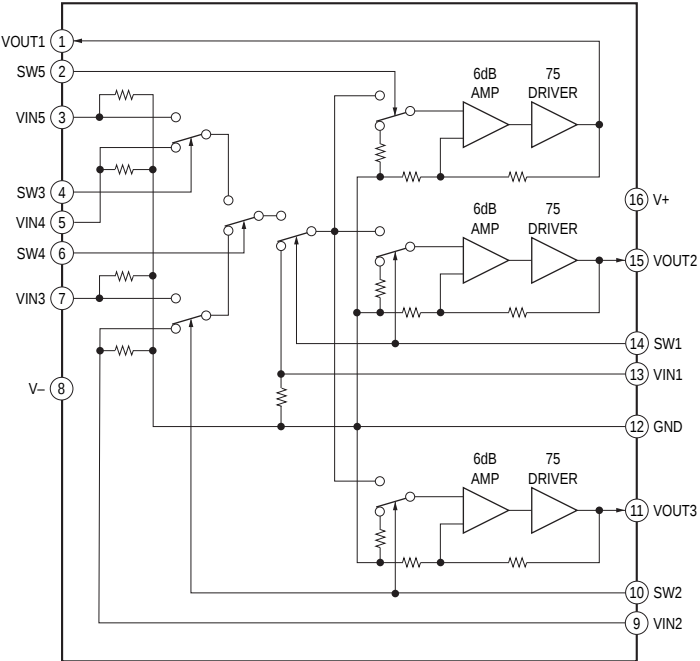
- VIDEO Board -
IC6001, 6104 NJM2586AM



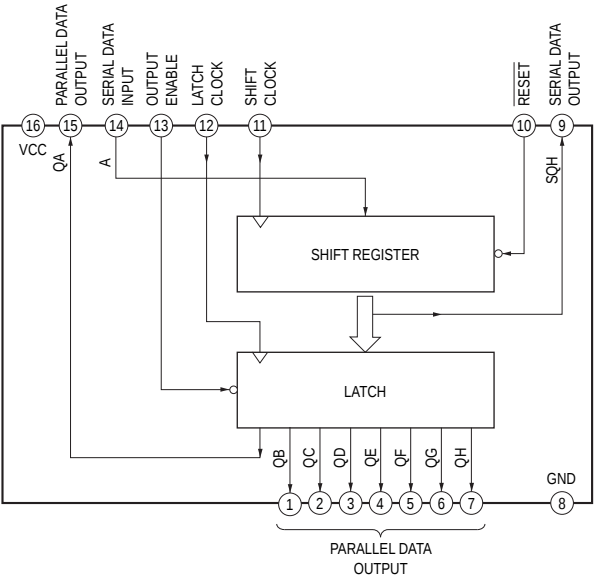
IC6101, 6102 LA7213



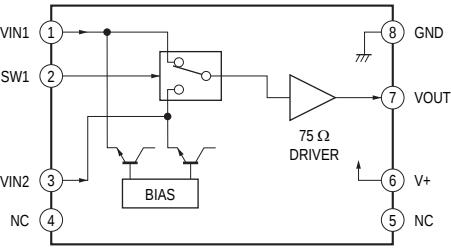
IC6302 NJM2595M-TE2



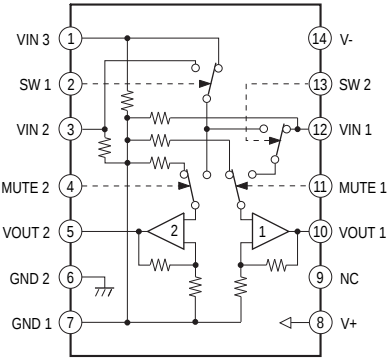
IC6502, 6503 SN74HC595ANS



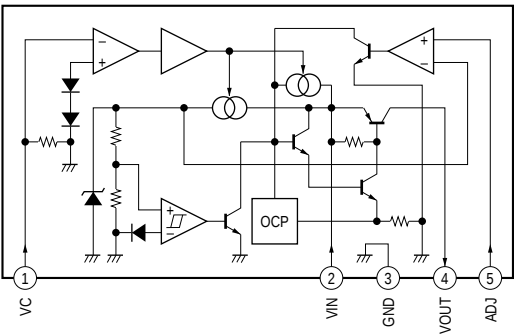
IC6505 NJM2533M (TE2)



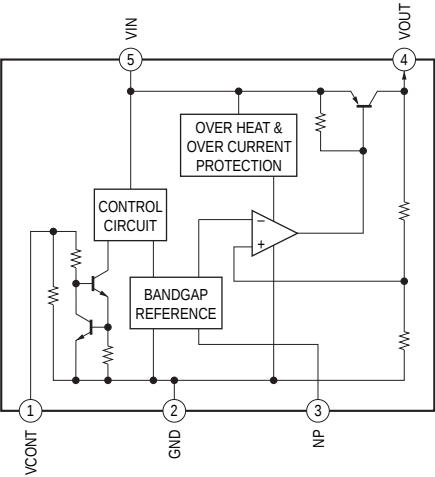
IC6506 NJM2279M-TE2



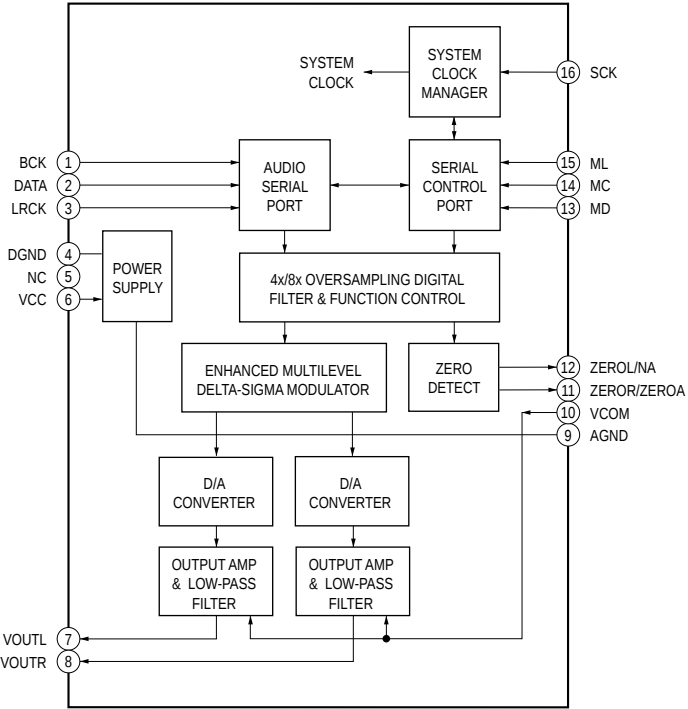
- DSP Board -
IC5015 SI-30112D-TL



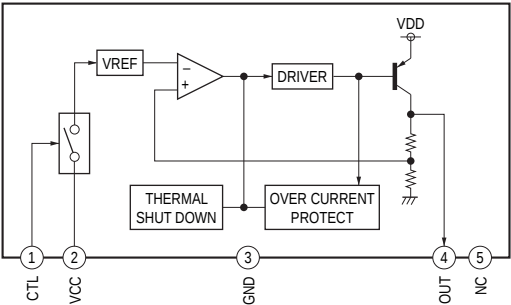
- MICON Board -
IC8004 TK11133CSCL-G
IC8007 TK11150CSCL-G



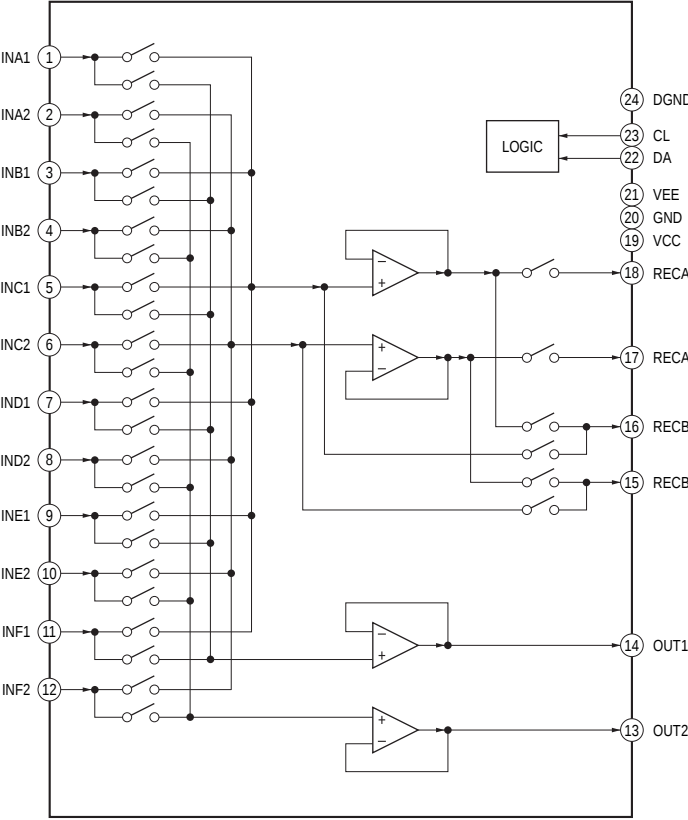
IC8005 PCM1753DBQR



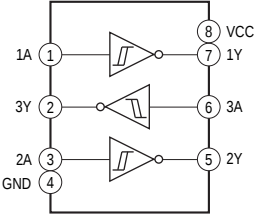
IC8006 BA00BC0WFP-E2



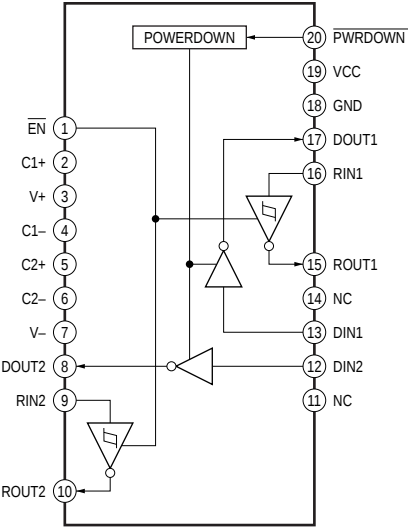
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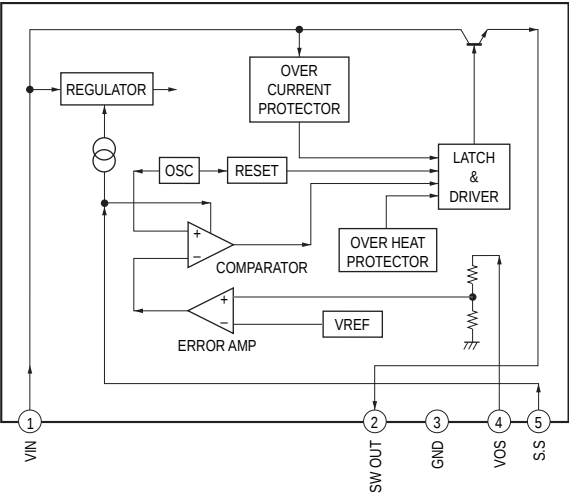
IC8017, 8020 TC7W14FU (TE12R)



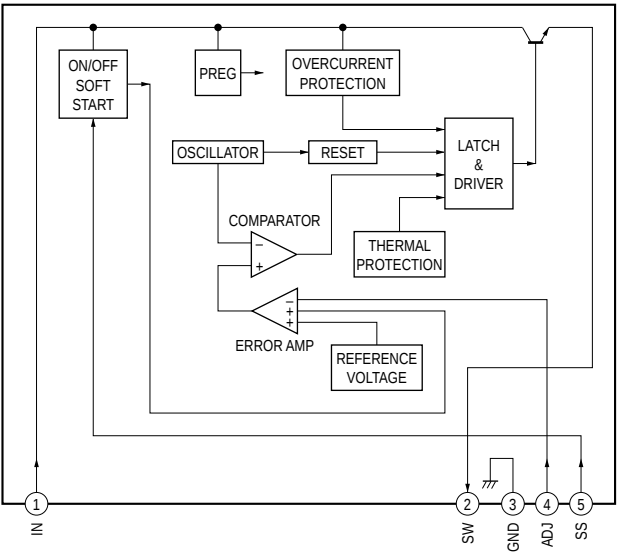
- CIS Board -
IC861 MAX3222IPWR



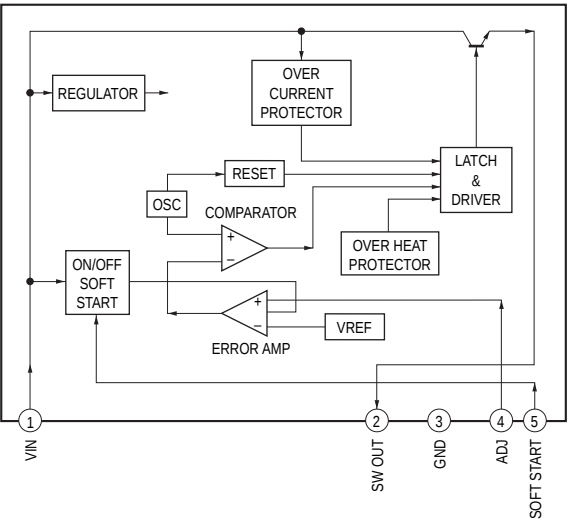
- DCDC CON Board -
IC1401 SI-8050S-LF1101



IC1402 SI-8008HFE



IC1403 SI8008TM-TL



• IC Pin Function Description

DIGITAL VIDEO BOARD IC3000 M30620FCPGP U5C (HDMI CONTROLLER)

Pin No.	Pin Name	I/O	Description
1 to 5	NC	O	Not used
6	BYTE	I	External data bus width selection signal input terminal "L": 16 bit Fixed at "L" in this set
7	CNVSS	I	Processor mode selection signal input terminal "L": single chip mode Fixed at "L" in this set
8, 9	NC	O	Not used
10	RESET	I	Reset signal input from the system controller "L": reset
11	XOUT	O	System clock output terminal (10 MHz)
12	VSS	-	Ground terminal
13	XIN	I	System clock input terminal (10 MHz)
14	VCC_3.3V	-	Power supply terminal (+3.3V)
15	NMI	I	Non-maskable interrupt signal input terminal Not used
16 to 18	NC	O	Not used
19	RX_RST	O	Reset signal output to the HDMI receiver "L": reset
20	RX_INT	I	Interrupt signal input from the HDMI receiver
21	1444_HPD	O	Hot plug detection control signal output to the HDMI input selector
22	HPD_IN1	O	Hot plug detection control signal output to the HDMI VIDEO 1 IN connector
23 to 26	NC	O	Not used
27	CSCL	O	I2C clock signal output to the EEPROM, HDMI receiver and HDMI transceiver
28	CSDA	I/O	I2C data bus with the EEPROM, HDMI receiver and HDMI transceiver
29	232COUT (VU TX)	O	Serial data output terminal for RS-232C
30	232CIN (VU RX)	I	Serial data input terminal for RS-232C
31	CLK 1	I	Not used
32	RTS 1	O	Not used
33	VUCOM_SDA	I/O	I2C data bus with the system controller
34	VUCOM_SCL	I	I2C clock signal input from the system controller
35, 36	EDID_SELA, EDID_SELB	O	Input data selection signal output terminal
37 to 39	NC	O	Not used
40	VDAC_RESET	O	Not used
41	TX_5VPWR	O	Power supply on/off control signal output terminal for HDM IOUT connector "H": power on
42	TX_RST	O	Reset signal output to the HDMI transceiver "L": reset
43	TX_INT	I	Interrupt signal input from the HDMI transceiver
44 to 50	NC	O	Not used
51 to 53	1444_SELA to 1444_SELC	O	HDMI input selection signal output to the HDMI input selector
54	1444_OEB	O	Output enable signal output to the HDMI input selector
55, 56	P5V_SELA, P5V_SELB	O	HDMI +5V power input selection signal output terminal
57 to 59	NC	O	Not used
60	VCC_3.3V	-	Power supply terminal (+3.3V)
61	NC	O	Not used
62	VSS	-	Ground terminal
63	NC	O	Not used
64	NON_LPCM	O	Non-LPCM setting signal output terminal "L": LPCM
65	MUTE	O	System muting signal output terminal
66 to 90	NC	O	Not used
91 to 93	MODEL_SW3 to MODEL_SW1	I	Model setting terminal
94	AVSS	-	Ground terminal
95	NC	O	Not used
96	VREF	I	Reference voltage (+3.3V) input terminal
97	AVCC	-	Power supply terminal (+3.3V)
98 to 100	NC	O	Not used

DIGITAL VIDEO BOARD IC3506 SII9135CTU (HDMI RECEIVER)

Pin No.	Pin Name	I/O	Description
1 to 3	Q10 to Q8	O	Serial data output to the HDMI transceiver and video processor
4	IOGND	-	Ground terminal
5	ODCK	O	Output data clock signal output to the HDMI transceiver and video processor
6	IOVCC33	-	Power supply terminal (+3.3V)
7 to 10	Q7 to Q4	O	Serial data output to the HDMI transceiver and video processor
11	CGND	-	Ground terminal
12	CVCC18	-	Power supply terminal (+1.8V)
13 to 16	Q3 to Q0	O	Serial data output to the HDMI transceiver
17	IOGND	-	Ground terminal
18	IOVCC33	-	Power supply terminal (+3.3V)
19	DE	O	Data enable signal output to the HDMI transceiver and video processor
20	HSYNC	O	Horizontal sync signal output to the HDMI transceiver and video processor
21	VSYNC	O	Vertical sync signal output to the HDMI transceiver and video processor
22	EVNODD	-	Not used
23	CGND	-	Ground terminal
24, 25	CVCC18	-	Power supply terminal (+1.8V)
26	CSDA	I/O	I2C data bus with the HDMI controller, EEPROM and HDMI transceiver
27	CSCL	I	I2C clock signal input from the HDMI controller
28	DSDA1	I/O	I2C data bus with the HDMI VIDEO 1 IN connector and EEPROM
29	DSCL1	I	I2C clock signal input from the HDMI VIDEO 1 IN connector
30	R1PWR5V	I	Power supply voltage (+5V) input from the HDMI VIDEO 1 IN connector
31	IOGND	-	Ground terminal
32	IOVCC33	-	Power supply terminal (+3.3V)
33	DSDA0	I/O	I2C data bus with the HDMI input selector and EEPROM
34	DSCL0	I	I2C clock signal input from the HDMI input selector
35	R0PWR5V	I	Power supply voltage (+5V) input from the HDMI connector
36	AGND	-	Ground terminal
37	AVCC18	-	Power supply terminal (+1.8V)
38	AVCC33	-	Power supply terminal (+3.3V)
39	R0XC-	I	TMDS clock (negative) signal input from the HDMI input selector
40	R0XC+	I	TMDS clock (positive) signal input from the HDMI input selector
41	AGND	-	Ground terminal
42	AVCC33	-	Power supply terminal (+3.3V)
43	R0X0-	I	TMDS data (negative) input from the HDMI input selector
44	R0X0+	I	TMDS data (positive) input from the HDMI input selector
45	AGND	-	Ground terminal
46	AVCC33	-	Power supply terminal (+3.3V)
47	R0X1-	I	TMDS data (negative) input from the HDMI input selector
48	R0X1+	I	TMDS data (positive) input from the HDMI input selector
49	AGND	-	Ground terminal
50	AVCC33	-	Power supply terminal (+3.3V)
51	R0X2-	I	TMDS data (negative) input from the HDMI input selector
52	R0X2+	I	TMDS data (positive) input from the HDMI input selector
53	AGND	-	Ground terminal
54	AVCC18	-	Power supply terminal (+1.8V)
55	RSVDNC	-	Not used
56	AVCC33	-	Power supply terminal (+3.3V)
57	R1XC-	I	TMDS clock (negative) signal input from the HDMI VIDEO 1 IN connector
58	R1XC+	I	TMDS clock (positive) signal input from the HDMI VIDEO 1 IN connector
59	AGND	-	Ground terminal
60	AVCC33	-	Power supply terminal (+3.3V)
61	R1X0-	I	TMDS data (negative) input from the HDMI VIDEO 1 IN connector
62	R1X0+	I	TMDS data (positive) input from the HDMI VIDEO 1 IN connector
63	AGND	-	Ground terminal
64	AVCC33	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
65	R1X1-	I	TMDS data (negative) input from the HDMI VIDEO 1 IN connector
66	R1X1+	I	TMDS data (positive) input from the HDMI VIDEO 1 IN connector
67	AGND	-	Ground terminal
68	AVCC33	-	Power supply terminal (+3.3V)
69	R1X2-	I	TMDS data (negative) input from the HDMI VIDEO 1 IN connector
70	R1X2+	I	TMDS data (positive) input from the HDMI VIDEO 1 IN connector
71	AGND	-	Ground terminal
72	AVCC18	-	Power supply terminal (+1.8V)
73	IOGND	-	Ground terminal
74	IOVCC33	-	Power supply terminal (+3.3V)
75	MUTEOUT	O	Audio muting control signal output terminal
76, 77	RSVDNC	-	Not used
78	SPDIF	O	S/PDIF signal output to the digital audio interface receiver and HDMI transceiver
79	CGND	-	Ground terminal
80	CVCC18	-	Power supply terminal (+1.8V)
81 to 84	SD0 to SD3	O	PCM audio signal output to the HDMI transceiver and DSP
85	WS	O	L/R sampling clock signal output to the HDMI transceiver, DSP and system controller
86	SCK	O	Bit clock signal output to the HDMI transceiver and DSP
87	IOGND	-	Ground terminal
88	IOVCC33	-	Power supply terminal (+3.3V)
89	MCLK	O	Master clock signal output to the HDMI transceiver and DSP
90	CGND	-	Ground terminal
91	CVCC18	-	Power supply terminal (+1.8V)
92	DVCC18	-	Power supply terminal (+1.8V)
93	DGND2	-	Ground terminal
94	XTALOUT	O	System clock output terminal (28.322 MHz)
95	XTALIN	I	System clock input terminal (28.322 MHz)
96	XTALVCC	-	Power supply terminal (+3.3V)
97	REGVCC	-	Power supply terminal (+3.3V)
98	RSVDNC	-	Not used
99	RSVDL	-	Not used
100	RESET#	I	Reset signal input from the HDMI controller "L": reset
101	SCDT	-	Not used
102	INT	O	Interrupt signal output to the HDMI controller
103	IOGND	-	Ground terminal
104	IOVCC33	-	Power supply terminal (+3.3V)
105	CI2CA	-	Not used
106	CGND	-	Ground terminal
107	CVCC18	-	Power supply terminal (+1.8V)
108 to 111	Q35 to Q32	O	Serial data output to the HDMI transceiver and video processor
112	IOGND	-	Ground terminal
113	IOVCC33	-	Power supply terminal (+3.3V)
114 to 117	Q31 to Q28	O	Serial data output to the HDMI transceiver and video processor
118	CGND	-	Ground terminal
119	CVCC18	-	Power supply terminal (+1.8V)
120 to 123	Q27 to Q24	O	Serial data output to the HDMI transceiver
124	IOGND	-	Ground terminal
125	IOVCC33	-	Power supply terminal (+3.3V)
126 to 129	Q23 to Q20	O	Serial data output to the HDMI transceiver and video processor
130	CGND	-	Ground terminal
131	CVCC	-	Power supply terminal (+1.8V)
132 to 135	Q19 to Q16	O	Serial data output to the HDMI transceiver and video processor
136	IOGND	-	Ground terminal
137	IOVCC33	-	Power supply terminal (+3.3V)
138 to 141	Q15 to Q12	O	Serial data output to the HDMI transceiver
142	CGND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
143	CVCC18	-	Power supply terminal (+1.8V)
144	Q11	O	Serial data output to the HDMI transceiver and video processor

DIGITAL VIDEO BOARD IC3508 SII9134CTU (HDMI TRANSCEIVER)

Pin No.	Pin Name	I/O	Description
1	DE	I	Data enable signal input from the HDMI receiver
2	HSYNC	I	Horizontal sync signal input from the HDMI receiver
3	VSYSNC	I	Vertical sync signal input from the HDMI receiver
4	SPDIF	I	S/PDIF signal input from the HDMI receiver
5	MCLK	I	Master clock signal input from the HDMI receiver
6 to 9	SD3 to SD0	I	PCM audio signal input from the HDMI receiver
10	WS	I	L/R sampling clock signal input from the HDMI receiver
11	SCK	I	Bit clock signal input from the HDMI receiver
12	CVCC18	-	Power supply terminal (+1.8V)
13	GND	-	Ground terminal
14	IOVCC33	-	Power supply terminal (+3.3V)
15	DCLK	I	Not used
16	DR0	I	Not used
17	DL0	I	Not used
18	DR1	I	Not used
19	DL1	I	Not used
20	DR2	I	Not used
21	DL2	I	Not used
22	DR3	I	Not used
23	DL3	I	Not used
24	INT	O	Interrupt signal output to the HDMI controller
25	RESET#	I	Reset signal input from the HDMI controller "L": reset
26	AGND	-	Ground terminal
27	EXT_SWG	-	Not used
28	PVCC1	-	Power supply terminal (+1.8V)
29	AGND	-	Ground terminal
30	TXC-	O	TMDS clock (negative) output to the HDMI OUT connector
31	TXC+	O	TMDS clock (positive) output to the HDMI OUT connector
32	AVCC18	-	Power supply terminal (+1.8V)
33	TX0-	O	TMDS data (negative) output to the HDMI OUT connector
34	TX0+	O	TMDS data (positive) output to the HDMI OUT connector
35	AGND	-	Ground terminal
36	TX1-	O	TMDS data (negative) output to the HDMI OUT connector
37	TX1+	O	TMDS data (positive) output to the HDMI OUT connector
38	AVCC18	-	Power supply terminal (+1.8V)
39	TX2-	O	TMDS data (negative) output to the HDMI OUT connector
40	TX2+	O	TMDS data (positive) output to the HDMI OUT connector
41	AGND	-	Ground terminal
42	PVCC2	-	Power supply terminal (+1.8V)
43	AGND	-	Ground terminal
44	AVCC33	-	Power supply terminal (+3.3V)
45	DCCPWR5V	I	Power supply voltage (+5V) input terminal
46	DSCL	O	I2C clock signal output to the HDMI OUT connector
47	DSDA	I/O	I2C data bus with the HDMI OUT connector
48	CSCL	I	I2C clock signal input from the HDMI controller
49	CSDA	I/O	I2C data bus with the HDMI controller, EEPROM, and HDMI receiver
50	CI2CA	-	Not used
51	HPD	I	Hot plug detection signal input from the HDMI OUT connector
52	TMODE	-	Not used
53	IOVCC33	-	Power supply terminal (+3.3V)
54	GND	-	Ground terminal
55	VPP18	-	Power supply terminal (+1.8V)
56 to 63	D35 to D28	I	Serial data input from the HDMI receiver
64	CVCC18	-	Power supply terminal (+1.8V)
65	GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
66	IOVCC33	-	Power supply terminal (+3.3V)
67 to 75	D27 to D19	I	Serial data input from the HDMI receiver
76	CVCC18	-	Power supply terminal (+1.8V)
77 to 86	D18 to D9	I	Serial data input from the HDMI receiver
87	GND	-	Ground terminal
88	IDCK	I	Output data clock signal input from the HDMI receiver
89	IOVCC33	-	Power supply terminal (+3.3V)
90 to 98	D8 to D0	I	Serial data input from the HDMI receiver
99	CVCC18	-	Power supply terminal (+1.8V)
100	GND	-	Ground terminal

DIGITAL VIDEO BOARD IC3601 FLI8638-LF (VIDEO PROCESSOR)

Pin No.	Pin Name	I/O	Description
A1	NC	-	Not used
A2	MSTR1_SDA	O	Power detection signal output to the system controller
A3	MSTR1_SCL	O	Busy signal output to the system controller
A4, A5	FSDATA1, FSDATA3	I/O	Two-way data bus with the SD-RAM
A6	FSDQM0	O	Data mask signal output to the SD-RAM (upper byte)
A7 to A10	FSDATA5, FSDATA7, FSDATA9, FSDATA11	I/O	Two-way data bus with the SD-RAM
A11	FSDQM1	O	Data mask signal output to the SD-RAM (lower byte)
A12, A13	FSDATA13, FSDATA15	I/O	Two-way data bus with the SD-RAM
A14	VDDA18_DLL	-	Power supply terminal (+1.8V)
A15, A16	FSDATA17, FSDATA19	I/O	Two-way data bus with the SD-RAM
A17	FSDQS2	O	Data strobe signal output to the SD-RAM (upper byte)
A18 to A21	FSDATA21, FSDATA23, FSDATA25, FSDATA27	I/O	Two-way data bus with the SD-RAM
A22	FSDQS3	O	Data strobe signal output to the SD-RAM (lower byte)
A23, A24	FSDATA29, FSDATA31	I/O	Two-way data bus with the SD-RAM
A25, A26	RPLL_AGND	-	Ground terminal
B1	BDATA0	I	Digital video (blue) signal input terminal Not used
B2	OCM_UDO_1	O	UART communication transfer data output to the system controller
B3	OCM_UDI_1	I	UART communication transfer data input from the system controller
B4, B5	FSDATA0, FSDATA2	I/O	Two-way data bus with the SD-RAM
B6	FSDQS0	O	Data strobe signal output to the SD-RAM (upper byte)
B7 to B10	FSDATA4, FSDATA6, FSDATA8, FSDATA10	I/O	Two-way data bus with the SD-RAM
B11	FSDQS1	O	Data strobe signal output to the SD-RAM (lower byte)
B12, B13	FSDATA12, FSDATA14	I/O	Two-way data bus with the SD-RAM
B14	VSSA18_DLL	-	Ground terminal
B15, B16	FSDATA16, FSDATA18	I/O	Two-way data bus with the SD-RAM
B17	FSDQM2	O	Data mask signal output to the SD-RAM (upper byte)
B18 to B21	FSDATA20, FSDATA22, FSDATA24, FSDATA26	I/O	Two-way data bus with the SD-RAM
B22	FSDQM3	O	Data mask signal output to the SD-RAM (lower byte)
B23, B24	FSDATA28, FSDATA30	I/O	Two-way data bus with the SD-RAM
B25	RPLL_DGND	-	Ground terminal
B26	XTAL	O	System clock output terminal (19.6608 MHz)
C1 to C3	BDATA3 to BDATA1	I	Digital video (blue) signal input terminal Not used
C4	FSCKE	O	Clock enable signal output to the SD-RAM
C5	FSCLKN	O	Clock signal (negative) output to the SD-RAM
C6 to C8	FSADDR8 to FSADDR6	O	Address signal output to the SD-RAM
C9	FSVREF	O	Reference voltage output to the SD-RAM
C10 to C18	FSADDR5, FSADDR12, FSADDR9, FSADDR4, FSADDR11, FSADDR3 to FSADDR0	O	Address signal output to the SD-RAM
C19	FSVREF	O	Reference voltage output to the SD-RAM
C20, C21	FSBKSEL1, FSBKSEL0	O	Bank select signal output to the SD-RAM
C22	FSCS1	O	Chip select signal output terminal Not used
C23	FSWE	O	Write enable signal output to the SD-RAM
C24	FSRAS	O	Row address strobe signal output to the SD-RAM
C25	RPLL_1.8V	-	Power supply terminal (+1.8V)
C26	TCLK	I	System clock input terminal (19.6608 MHz)
D1 to D3	BDATA6 to BDATA4	I	Digital video (blue) signal input terminal Not used
D4	DDR_2.5V	-	Power supply terminal (+2.5V)
D5	FSCLKP	O	Clock signal (positive) output to the SD-RAM
D6 to D8	DDR_2.5V	-	Power supply terminal (+2.5V)
D9	FSVREFVSS	-	Ground terminal
D10 to D15	DDR_2.5V	-	Power supply terminal (+2.5V)

Pin No.	Pin Name	I/O	Description
D16	FSADDR10	O	Address signal output to the SD-RAM
D17, D18	DDR_2.5V	-	Power supply terminal (+2.5V)
D19	FSVREFVSS	-	Ground terminal
D20	DDR_2.5V	-	Power supply terminal (+2.5V)
D21	FSCS0	O	Chip select signal output to the SD-RAM
D22, D23	DDR_2.5V	-	Power supply terminal (+2.5V)
D24	FSCAS	O	Column address strobe signal output to the SD-RAM
D25	NC	-	Not used
D26	RPLL_3.3V	-	Power supply terminal (+3.3V)
E1, E2	BDATA9, BDATA8	I	Digital video (green) signal input terminal Not used
E3	BDATA7	I	Digital video (blue) signal input terminal Not used
E4	IO_3.3V	-	Power supply terminal (+3.3V)
E23, E24	PD22, PD23	I/O	Serial data input from the HDMI receiver and serial data output to the HDMI transceiver and D/A converter (for video section)
E25	LVDS_GND	-	Ground terminal
E26	LVDS_3.3V	-	Power supply terminal (+3.3V)
F1 to F3	BDATA12 to BDATA10	I	Digital video (green) signal input terminal Not used
F4	IO_3.3V	-	Power supply terminal (+3.3V)
F23 to F26	PD18 to PD21	I/O	Serial data input from the HDMI receiver and serial data output to the HDMI transceiver and D/A converter (for video section)
G1 to G3	BDATA15 to BDATA13	I	Digital video (green) signal input terminal Not used
G4	IO_3.3V	-	Power supply terminal (+3.3V)
G23 to G26	PD14 to PD17	I/O	Serial data input from the HDMI receiver and serial data output to the HDMI transceiver and D/A converter (for video section)
H1 to H3	BDATA18 to BDATA16	I	Digital video (red) signal input terminal Not used
H4	IO_3.3V	-	Power supply terminal (+3.3V)
H23	LVDS_PLL_GND	-	Ground terminal
H24	LVDS_PLL_3.3V	-	Power supply terminal (+3.3V)
H25	LVDS_GND	-	Ground terminal
H26	LVDS_3.3V	-	Power supply terminal (+3.3V)
J1 to J3	BDATA21 to BDATA19	I	Digital video (red) signal input terminal Not used
J4	IO_3.3V	-	Power supply terminal (+3.3V)
J23, J24	PD12, PD13	I/O	Serial data input from the HDMI receiver and serial data output to the HDMI transceiver and D/A converter
J25	LVDS_GND	-	Ground terminal
J26	LVDS_3.3V	-	Power supply terminal (+3.3V)
K1	BHREF_DE	I	Blanking period signal input terminal Not used
K2, K3	BDATA23, BDATA22	I	Digital video (red) signal input terminal Not used
K4	IO_3.3V	-	Power supply terminal (+3.3V)
K10, K11	CORE_1.8V	-	Power supply terminal (+1.8V)
K12 to K15	D_GND	-	Ground terminal
K16, K17	CORE_1.8V	-	Power supply terminal (+1.8V)
K23 to K26	PD8 to PD11	I/O	Serial data input from the HDMI receiver and serial data output to the HDMI transceiver and D/A converter
L1	IPCLK3	I	Clock signal input terminal Not used
L2	BVS	I	Vertical sync signal input terminal Not used
L3	BHS	I	Horizontal sync signal input terminal Not used
L4	IO_3.3V	-	Power supply terminal (+3.3V)
L10	D_GND	-	Ground terminal
L11	CORE_1.8V	-	Power supply terminal (+1.8V)
L12 to L15	D_GND	-	Ground terminal
L16	CORE_1.8V	-	Power supply terminal (+1.8V)
L17	D_GND	-	Ground terminal
L23 to L26	PD4 to PD7	I/O	Serial data input from the HDMI receiver and serial data output to the HDMI transceiver
M1	DIP_CLEAN_HS_OUT	O	Horizontal sync signal output terminal Not used
M2	DIP_EXT_CLAMP	-	Not used
M3	DIP_EXT_COAST	-	Not used
M4	IPCLK2	I	Clock signal input terminal Not used
M10 to M17	D_GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
M23	IO_3.3V	-	Power supply terminal (+3.3V)
M24, M25	LVDS_GND	-	Ground terminal
M26	LVDS_3.3V	-	Power supply terminal (+3.3V)
N1	IPCLK0	I	Clock signal input terminal Not used
N2	DIP_RAW_HS_CS	-	Not used
N3	DIP_AODD	-	Not used
N4	DIP_BODD	-	Not used
N10 to N17	D_GND	-	Ground terminal
N23 to N26	PD0 to PD3	I/O	Serial data input from the HDMI receiver and serial data output to the HDMI transceiver
P1 to P3	ADATA2 to ADATA0	-	Not used
P4	IPCLK1	I	Clock signal input terminal Not used
P10 to P17	D_GND	-	Ground terminal
P23	IO_3.3V	-	Power supply terminal (+3.3V)
P24	DCLK	I	Output data clock signal input from the HDMI receiver
P25	DHS	I	Horizontal sync signal input from the HDMI receiver
P26	DEN	I	Data enable signal input from the HDMI receiver
R1 to R4	ADATA6 to ADATA3	-	Not used
R10 to R17	D_GND	-	Ground terminal
R23	JTAG_BS_TDI	-	Not used
R24	JTAG_BS_RST	-	Not used
R25	JTAG_BS_TCK	-	Not used
R26	DVS	I	Vertical sync signal input from the HDMI receiver
T1 to T4	ADATA10 to ADATA7	-	Not used
T10	D_GND	-	Ground terminal
T11	CORE_1.8V	-	Power supply terminal (+1.8V)
T12 to T15	D_GND	-	Ground terminal
T16, T17	CORE_1.8V	-	Power supply terminal (+1.8V)
T23	IO_3.3V	-	Power supply terminal (+3.3V)
T24	JTAG_BS_TMS	-	Not used
T25	JTAG_BS_TDO	-	Not used
T26	GPIO_44	-	Not used
U1 to U4	ADATA14 to ADATA11	-	Not used
U10, U11	CORE_1.8V	-	Power supply terminal (+1.8V)
U12 to U15	D_GND	-	Ground terminal
U16, U17	CORE_1.8V	-	Power supply terminal (+1.8V)
U23, U24	PWM1, PWM2	-	Not used
U25	PPWR	-	Not used
U26	PBIAS	-	Not used
V1 to V4	ADATA18 to ADATA15	-	Not used
V23	IO_3.3V	-	Power supply terminal (+3.3V)
V24	PWM0	-	Not used
V25	SLAVE_SDA	-	Not used
V26	SLAVE_SCL	-	Not used
W1 to W4	ADATA22 to ADATA19	-	Not used
W23	OCM_INT1	-	Not used
W24	OCM_TIMER1	-	Not used
W25	OCM_UDI_0	-	Not used
W26	ODM_UDO_0	-	Not used
Y1	AVS	-	Not used
Y2	AHS	-	Not used
Y3	AHREF_DE	-	Not used
Y4	ADATA23	-	Not used
Y23	IO_3.3V	-	Power supply terminal (+3.3V)
Y24	OCM_INT2	-	Not used
Y25	VGA1_SDA	-	Not used
Y26	VGA1_SCL	-	Not used

Pin No.	Pin Name	I/O	Description
AA1	NC	-	Not used
AA2 to AA4	DGND_ADC	-	Ground terminal
AA23	MSTR0_SDA	I/O	Two-way data bus with the EEPROM
AA24	MSTR0_SCL	O	Serial clock signal output to the EEPROM
AA25	VGA0_SDA	-	Not used
AA26	VGA0_SCL	-	Not used
AB1	A1P	I	Video signal (PR/CR) input from the video input selector (for component video signal)
AB2	SV1P	-	Not used
AB3	AGND_ADC	-	Ground terminal
AB4	ADC_1.8V	-	Power supply terminal (+1.8V)
AB23	IO_3.3V	-	Power supply terminal (+3.3V)
AB24	IRO	-	Not used
AB25	MSTR2_SDA	I/O	Not used
AB26	MSTR2_SCL	O	Not used
AC1	C1P	I	Video signal input (Y) from the video input selector (for component video signal)
AC2	B1P	I	Video signal (PB/CB) input from the video input selector (for component video signal)
AC3	AGND_ADC	-	Ground terminal
AC4, AC5	ADC_1.8V	-	Power supply terminal (+1.8V)
AC6	AGND_ADC	-	Ground terminal
AC7	VOUT2	-	Not used
AC8	AGND_ADC	-	Ground terminal
AC9	LBADC_3.3V	-	Power supply terminal (+3.3V)
AC10	LBADC_IN4	-	Not used
AC11	LBADC_GND	-	Ground terminal
AC12	AVSIN_DATA	-	Not used
AC13	EXTOSD_HS	-	Not used
AC14	IO_3.3V	-	Power supply terminal (+3.3V)
AC15	OCMADDR18	O	Address signal output to the flash memory
AC16	IO_3.3V	-	Power supply terminal (+3.3V)
AC17	OCMADDR11	O	Address signal output to the flash memory
AC18	IO_3.3V	-	Power supply terminal (+3.3V)
AC19	OCMADDR4	O	Address signal output to the flash memory
AC20	IO_3.3V	-	Power supply terminal (+3.3V)
AC21	OCMDATA13	I/O	Two-way data bus with the flash memory
AC22	IO_3.3V	-	Power supply terminal (+3.3V)
AC23	OCMDATA6	I/O	Two-way data bus with the flash memory
AC24	OCM_CS2N	O	Chip select signal output terminal Not used
AC25	OCN_RE_N	O	Read enable signal output to the flash memory
AC26	OCN_WE_N	O	Write enable signal output to the flash memory
AD1	AN	-	Not used
AD2	AGND_ADC	-	Ground terminal
AD3 to AD5	ADC1_3.3V	-	Power supply terminal (+3.3V)
AD6, AD7	ADC2_3.3V	-	Power supply terminal (+3.3V)
AD8	AGND_ADC	-	Ground terminal
AD9	RESET	I	Reset signal input from the system controller "L": reset
AD10	LBADC_IN3	-	Not used
AD11	LBADC_RETURN	-	Not used
AD12	AVSIN_WORDSEL	-	Not used
AD13	EXTOSD_VS	-	Not used
AD14	AVSOUT_DATA	-	Not used
AD15 to AD20	OCMADDR19, OCMADDR15, OCMADDR12, OCMADDR8, OCMADDR5, OCMADDR1	O	Address signal output to the flash memory
AD21 to AD23	OCMDATA14, OCMDA- TA10, OCMDATA7	I/O	Two-way data bus with the flash memory
AD24	ROM_CS_N	O	Chip enable signal output to the flash memory

Pin No.	Pin Name	I/O	Description
AD25, AD26	OCM_CS0N, OCM_CS1N	O	Chip select signal output terminal Not used
AE1	SV2P	-	Not used
AE2	B2P	I	Video signal input terminal Not used
AE3	AGND_ADC	-	Ground terminal
AE4	SV3P	-	Not used
AE5	B3P	I	Video signal input terminal Not used
AE6	AGND_ADC	-	Ground terminal
AE7	SV4P	-	Not used
AE8	BN2	-	Not used
AE9	AGND_ADC	-	Ground terminal
AE10, AE11	LBADC_IN2, LBADC_IN6	-	Not used
AE12	AIP_RAW_VS	-	Not used
AE13	AVSOUT_SCL	-	Not used
AE14	AVSOUT_WORDSEL	-	Not used
AE15 to AE20	OCMADDR20, OCMADDR16, OCMADDR13, OCMADDR9, OCMADDR6, OCMADDR2	O	Address signal output to the flash memory
AE21 to AE26	OCMDATA15, OCMDATA11, OCMDATA8, OCMDATA2 to OCMDATA0	I/O	Two-way data bus with the flash memory
AF1	A2P	I	Video signal input terminal Not used
AF2	C2P	I	Video signal input terminal Not used
AF3	BN	-	Not used
AF4	A3P	I	Video signal (CVBS) input from video input selector (for component video signal)
AF5	C3P	I	Video signal input terminal Not used
AF6	CN	-	Not used
AF7	AN2	-	Not used
AF8	CN2	-	Not used
AF9	SVN	-	Not used
AF10, AF11	LBADC_IN1, LBADC_IN5	-	Not used
AF12	AIP_RAW_HS_CS	-	Not used
AF13	EXTOSD_CLK	-	Not used
AF14	AVSIN_SCL	-	Not used
AF15 to AF20	OCMADDR21, OCMADDR17, OCMADDR14, OCMADDR10, OCMADDR7, OCMADDR3	O	Address signal output to the flash memory
AF21	OCMADDR0	O	Address signal output terminal Not used
AE22 to AE26	OCMDATA12, OCMDATA9 OCMDATA5 to OCMDATA3	I/O	Two-way data bus with the flash memory

DSP BOARD IC5021 D790E002BZDH300 (DSP)

Pin No.	Pin Name	I/O	Description
A1	VSS	-	Ground terminal
A2	DVDD	-	Power supply terminal (+3.3V) (for IO)
A3	AFSX0	O	L/R sampling clock signal output to the D/A converter
A4	ACLKX0	O	Bit clock signal output to the D/A converter
A5	ACLKR0	I	Bit clock signal input from the digital audio interface receiver and HDMI receiver
A6	AXR0[14]/AXR2[1]	I	PCM audio signal input from the HDMI receiver
A7	VSS	-	Ground terminal
A8	AXR0[11]/AXR1[2]	I	PCM audio signal input from the A/D converter
A9	AXR0[9]/AXR1[4]/ SPI1_SIMO	I/O	Not used
A10	VSS	-	Ground terminal
A11	AXR0[6]/SPI1_ENA#	I/O	Not used
A12	AXR0[4]	I/O	Not used
A13, A14	AXR0[2], AXR0[0]	O	PCM audio signal output to the D/A converter
A15	DVDD	-	Power supply terminal (+3.3V) (for IO)
A16	VSS	-	Ground terminal
B1	DVDD	-	Power supply terminal (+3.3V) (for IO)
B2	UHPI_HBE[3]#	I	Not used
B3	AHCLKR0/AHCLKR1	I/O	Not used
B4	AFSR0	I	L/R sampling clock signal input from the digital audio interface receiver and HDMI receiver
B5 to B7	AXR0[15]/AXR2[0], AXR0[13]/AXR1[0], AXR0[12]/AXR1[1]	I	PCM audio signal input from the HDMI receiver
B8	AXR0[10]/AXR1[3]	I	PCM audio signal input from the digital audio interface receiver
B9	AXR0[8]/AXR1[5]/ SPI1_SOMI	I/O	Not used
B10	AXR0[7]/SPI1_CLK	I/O	Not used
B11	AXR0[5]/SPI1_SCS#	I/O	Not used
B12, B13	AXR0[3], AXR0[1]	O	PCM audio signal output to the D/A converter
B14	SPI0_SOMI	O	Serial data output to the system controller
B15	SPI0_SIMO	I	Serial data input from the system controller
B16	DVDD	-	Power supply terminal (+3.3V) (for IO)
C1	AMUTE0	O	Not used
C2	AHCLKX0/AHCLKX2	I	Master clock signal input from the digital audio interface receiver and HDMI receiver
C3	UHPI_HD[23]	I/O	Not used
C4 to C6	UHPI_HBE[2]# to HPI_HBE[0]	I	Not used
C7	UHPI_HDS[2]#	I/O	Not used
C8	UHPI_HCS#	I/O	Not used
C9	UHPI_HAS#	I/O	Not used
C10	UHPI_HCNTL[1]	I/O	Not used
C11	AFSX2	I	Error signal input from the digital audio interface receiver, HDMI receiver and HDMI controller
C12	AFSR2	I	PCM audio data input from the digital audio interface receiver
C13	ACLKR2	I/O	Not used
C14	AHCLKR2	I/O	Not used
C15	SPI0_SCS#	I	Chip select signal input from the system controller
C16	SPI0_CLK	I	Serial data transfer clock signal input from the system controller
D1	AHCLKX1	I/O	Not used
D2	AMUTE1	O	Not used
D3	UHPI_HD[22]	I/O	Not used
D4, D5	DVDD	-	Power supply terminal (+3.3V) (for IO)
D6	UHPI_HRDY#	I	Not used
D7	UHPI_HDS[1]#	I/O	Not used
D8	UHPI_HRW	I	Not used
D9	UHPI_HCNTL[0]	I	Not used
D10	AMUTE2/HINT#	O	Not used

Pin No.	Pin Name	I/O	Description
D11	ACLKX2	O	Interrupt signal output to the system controller
D12, D13	DVDD	-	Power supply terminal (+3.3V) (for IO)
D14	EM_WAIT	I	Not used
D15	EM_OE#	O	Not used
D16	SPIO_ENA#	I	Chip enable signal input from the system controller
E1	ACLKR1	I	Bit clock signal input from the digital audio interface receiver and HDMI receiver
E2	ACLKX1	O	Bit clock signal output to the D/A converter
E3	UHPI_HD[21]	I/O	Not used
E4	DVDD	-	Power supply terminal (+3.3V) (for IO)
E5	VSS	-	Ground terminal
E6 to E11	CVDD	-	Power supply terminal (+1.26V) (for core)
E12	VSS	-	Ground terminal
E13	DVDD	-	Power supply terminal (+3.3V) (for IO)
E14	UHPI_HD[8]	I/O	Not used
E15	EM_CS[2]#	O	Not used
E16	EM_RW	O	Not used
F1	AFSR1	I	L/R sampling clock signal input from the digital audio interface receiver and HDMI receiver
F2	AFSX1	O	L/R sampling clock signal output to the D/A converter
F3, F4	UHPI_HD[19], UHPI_HD[20]	I/O	Not used
F5 to F12	VSS	-	Ground terminal
F13, F14	UHPI_HD[10], UHPI_HD[9]	I/O	Not used
F15	EM_CS[0]#	O	Chip select signal output to the SD-RAM
F16	EM_RAS#	O	Row address strobe signal output to the SD-RAM
G1	VSS	-	Ground terminal
G2	RESET#	I	Reset signal input from the system controller "L": reset
G3, G4	UHPI_HD[17], UHPI_HD[18]	I/O	Not used
G5	CVDD	-	Power supply terminal (+1.26V) (for core)
G6 to G11	VSS	-	Ground terminal
G12	CVDD	-	Power supply terminal (+1.26V) (for core)
G13, G14	UHPI_HD[12], UHPI_HD[11]	I/O	Not used
G15	EM_BA[0]	O	Bank address signal output to the SD-RAM
G16	VSS	-	Ground terminal
H1	UHPI_HD[16]	I/O	Not used
H2	CLKIN	I	Not used
H3	VSS	-	Ground terminal
H4	UHPI_HD[31]	I/O	Not used
H5	CVDD	-	Power supply terminal (+1.26V) (for core)
H6 to H11	VSS	-	Ground terminal
H12	CVDD	-	Power supply terminal (+1.26V) (for core)
H13, H14	UHPI_HD[14], UHPI_HD[13]	I/O	Not used
H15	EM_A[10]	O	Address signal output to the SD-RAM
H16	EM_BA[1]	O	Bank address signal output to the SD-RAM
J1	OSCVSS	-	Ground terminal for oscillator
J2	OSCIN	I	System clock input terminal (25 MHz)
J3	OSCOOUT	O	System clock output terminal (25 MHz)
J4	OSCVDD	-	Power supply terminal for oscillator
J5	CVDD	-	Power supply terminal (+1.26V) (for core)
J6 to J11	VSS	-	Ground terminal
J12	CVDD	-	Power supply terminal (+1.26V) (for core)
J13	UHPI_HD[15]	I/O	Not used
J14	DVDD	-	Power supply terminal (+3.3V) (for IO)
J15, J16	EM_A[1], EM_A[0]	O	Address signal output to the SD-RAM

Pin No.	Pin Name	I/O	Description
K1	VSS	-	Ground terminal
K2	PLLHV	-	Power supply terminal (+3.3V) (for PLL)
K3	TMS	I	Test mode selection signal input terminal (for JTAG)
K4	TRST#	I	Test reset signal input terminal (for JTAG)
K5	CVDD	-	Power supply terminal (+1.26V) (for core)
K6 to K11	VSS	-	Ground terminal
K12	CVDD	-	Power supply terminal (+1.26V) (for core)
K13, K14	UHPI_HD[0], UHPI_HD[1]	I/O	Not used
K15	EM_A[2]	O	Address signal output to the SD-RAM
K16	VSS	-	Ground terminal
L1	TDI	I	Test data input terminal (for JTAG)
L2 to L4	UHPI_HD[30] to UHPI_HD[28]	I/O	Not used
L5 to L12	VSS	-	Ground terminal
L13, L14	UHPI_HD[3], UHPI_HD[4]	I/O	Not used
L15, L16	EM_A[4], EM_A[3]	O	Address signal output to the SD-RAM
M1	EMU[0]#	I/O	Emulation terminal
M2	TDO	O	Test data output terminal (for JTAG)
M3	UHPI_HD[27]	I/O	Not used
M4	DVDD	-	Power supply terminal (+3.3V) (for IO)
M5	VSS	-	Ground terminal
M6 to M11	CVDD	-	Power supply terminal (+1.26V) (for core)
M12	VSS	-	Ground terminal
M13	DVDD	-	Power supply terminal (+3.3V) (for IO)
M14	UHPI_HD[2]	I/O	Not used
M15, M16	EM_A[6], EM_A[5]	O	Address signal output to the SD-RAM
N1	EMU[1]#	I/O	Emulation terminal
N2, N3	UHPI_HD[25], UHPI_HD[26]	I/O	Not used
N4	EM_D[22]	I/O	Two-way data bus with the SD-RAM
N5	DVDD	-	Power supply terminal (+3.3V) (for IO)
N6 to N11	EM_D[18], EM_D[16], EM_D[30], EM_D[29], EM_D[27], EM_D[25]	I/O	Two-way data bus with the SD-RAM
N12	DVDD	-	Power supply terminal (+3.3V) (for IO)
N13, N14	UHPI_HD[5], UHPI_HD[6]	I/O	Not used
N15, N16	EM_A[8], EM_A[7]	O	Address signal output to the SD-RAM
P1	TCK	I	Test clock signal input terminal (for JTAG)
P2	UHPI_HD[24]	I/O	Not used
P3 to P7	EM_D[21] to EM_D[19], EM_D[17], EM_D[31]	I/O	Two-way data bus with the SD-RAM
P8	DVDD	-	Power supply terminal (+3.3V) (for IO)
P9 to P11	EM_D[28], EM_D[26], EM_D[24]	I/O	Two-way data bus with the SD-RAM
P12	EM_A[12]	O	Address signal output terminal Not used
P13	EM_DQM[2]	O	Byte enable signal output to the SD-RAM
P14	UHPI_HD[7]	I/O	Not used
P15	EM_A[11]	O	Address signal output terminal Not used
P16	EM_A[9]	O	Address signal output to the SD-RAM
R1	DVDD	-	Power supply terminal (+3.3V) (for IO)
R2	EM_D[23]	I/O	Two-way data bus with the SD-RAM
R3	EM_CAS#	O	Column address strobe signal output to the SD-RAM
R4	EM_DQM[0]	O	Byte enable signal output to the SD-RAM

Pin No.	Pin Name	I/O	Description
R5 to R13	EM_D[6], EM_D[4], EM_D[2], EM_D[1], EM_D[15], EM_D[13], EM_D[12], EM_D[10], EM_D[8]	I/O	Two-way data bus with the SD-RAM
R14	EM_CLK	O	Clock signal output to the SD-RAM
R15	EM_DQM[3]	O	Byte enable signal output to the SD-RAM
R16	DVDD	-	Power supply terminal (+3.3V) (for IO)
T1	VSS	-	Ground terminal
T2	DVDD	-	Power supply terminal (+3.3V) (for IO)
T3	EM_WE#	O	Write enable signal output to the SD-RAM
T4 to T6	EM_D[7], EM_D[5], EM_D[3]	I/O	Two-way data bus with the SD-RAM
T7	VSS	-	Ground terminal
T8, T9	EM_D[0], EM_D[14]	I/O	Two-way data bus with the SD-RAM
T10	VSS	-	Ground terminal
T11, T12	EM_D[11], EM_D[9]	I/O	Two-way data bus with the SD-RAM
T13	EM_DQM[1]	O	Byte enable signal output to the SD-RAM
T14	EM_CKE	O	Clock enable signal output to the SD-RAM
T15	DVDD	-	Power supply terminal (+3.3V) (for IO)
T16	VSS	-	Ground terminal

MICON BOARD IC8003 F2602E-01-TR (XM RECEIVER)

Pin No.	Pin Name	I/O	Description
1	LSOPTXRX	-	Not used
2	VSS	-	Ground terminal
3	SCTXOUT	O	Serial data output to the system controller
4	VDD	-	Power supply terminal (+3.3V)
5	SCRXIN	I	Serial data input from the system controller
6	VSS	-	Ground terminal
7	COMMSEL	I	Command mode selection signal input terminal Not used
8	VDD	-	Power supply terminal (+3.3V)
9	XIRQ	O	Interrupt request signal output terminal Not used
10	VSS	-	Ground terminal
11	XRESET	I	Reset signal input from the system controller "L": reset
12	SLAVESL	I	Master/slave mode selection signal input terminal "L": master mode, "H": slave mode Fixed at "L" in this set
13	COMRXDIG	-	Not used
14	COMTXDIG	-	Not used
15	COMTXEN	-	Not used
16	VSS	-	Ground terminal
17	VDD	-	Power supply terminal (+3.3V)
18	COMRXP	I	XM receiver differential signal (positive) input from the XM connector
19	COMRXM	I	XM receiver differential signal (negative) input from the XM connector
20	VDD	-	Power supply terminal (+3.3V)
21	VSS	-	Ground terminal
22	COMTXM	O	XM transmitter differential signal (negative) output to the XM connector
23	COMTXP	O	XM transmitter differential signal (positive) output to the XM connector
24, 25	VSS	-	Ground terminal
26	OSCOUT	O	System clock output terminal (45.1584 MHz)
27	VDD	-	Power supply terminal (+3.3V)
28	OSCIN	I	System clock input terminal (45.1584 MHz)
29	VSS	-	Ground terminal
30	TEST	-	Not used
31	VSS	-	Ground terminal
32	HSDPDATA	-	Not used
33	VDD	-	Power supply terminal (+3.3V)
34	HSDPCLK	-	Not used
35	VSS	-	Ground terminal
36	HSDPEN	-	Not used
37	I2SDATA	O	I2S digital audio data output to the D/A converter (for XM section)
38	VSS	-	Ground terminal
39	I2SSCLK	O	I2S bit clock signal output to the D/A converter (for XM section)
40	VDD	-	Power supply terminal (+3.3V)
41	I2SLRCLK	O	I2S L/R sampling clock signal output to the D/A converter (for XM section)
42	VSS	-	Ground terminal
43	I2SOCLK	O	I2S over sample clock signal output to the D/A converter (for XM section)
44	VSS	-	Ground terminal
45	SAIICLK	-	Not used
46	VDD	-	Power supply terminal (+3.3V)
47	SAIIDATA	-	Not used
48	SAIEN	-	Not used

MICON BOARD IC8014 MB91F467RAPMC-GE1 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	VSS	-	Ground terminal
2	POW-SW_DET	I	POWER switch input terminal
3	SIRIUS_PWR_ENABLE	O	Sirius power detection signal output to the SIRIUS socket (DA2400ES: US model only)
4 to 7	NO USE	O	Not used
8	EVOL_CLK	O	Serial data transfer clock signal output to the electrical volume
9	EVOL_DATA	O	Serial data output to the electrical volume
10	PREOUT_RY	O	Relay drive signal (for preout (DA2400ES only)) and (for subwoofer (DG920 only)) output terminal "H": relay on
11, 12	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
13	VSS_(GND)	-	Ground terminal
14	C_1	-	External capacitor connection terminal for internal regulator
15	2ND_RY	O	Relay drive signal (for 2nd zone preout) output terminal Not used
16	BRAVIA_SEL	O	TV IN/PHONO IN selection signal output terminal "L": PHONO IN, "H": TV IN
17	HP_RY	O	Relay drive signal (for headphone) output terminal "H": relay on
18	SB_RY	O	Relay drive signal (for surround back) output terminal "H": relay on
19	SR_RY	O	Relay drive signal (for surround) output terminal "H": relay on
20	C_RY	O	Relay drive signal (for center) output terminal "H": relay on
21	SP_B_RY	O	Relay drive signal (for front B) output terminal "H": relay on
22	SP_A_RY	O	Relay drive signal (for front A) output terminal "H": relay on
23	4/8_RY	O	Relay drive signal (for speaker impedance 4/8 ohm selection) output terminal "L": 4 ohm, "H": 8 ohm
24	LED_DCS	O	LED drive signal output terminal for Digital Cinema Sound indicator "H": LED on
25	LED_MLT	O	LED drive signal output terminal for MULTI CHANNEL DECODING indicator "H": LED on
26	LED_MLT_DIM	O	Dimmer control signal output terminal for MULTI CHANNEL DECODING indicator
27	LED_STB	O	LED drive signal output terminal for ON/STANDBY indicator "L": green LED on (power on mode), "H": red LED on (standby mode)
28, 29	NO USE	O	Not used
30	TRG-1	O	Trigger signal output terminal Not used
31 to 34	NO USE	O	Not used
35	MIC_ON	O	Microphone muting on/off control signal output terminal "H": muting on
36	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
37	C_2	-	External capacitor connection terminal for internal regulator
38	VSS_(GND)	-	Ground terminal
39	X0_(CLOCK_IN)	I	Main system clock input terminal (4 MHz)
40	X1_(CLOCK_OUT)	O	Main system clock output terminal (4 MHz)
41	VSS_(GND)	-	Ground terminal
42	X0A_(SUB_CLOCK_IN)	I	Sub system clock input terminal Not used
43	X1A_(SUB_CLOCK_OUT)	O	Sub system clock output terminal Not used
44	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
45	VSS_(GND)	-	Ground terminal
46	VOL_2	I	Jog dial pulse input from the rotary encoder (B phase input) (for MASTER VOLUME)
47	VOL_1	I	Jog dial pulse input from the rotary encoder (A phase input) (for MASTER VOLUME)
48	FUNC_2	I	Jog dial pulse input from the rotary encoder (B phase input) (for INPUT SELECTOR)
49	FUNC_1	I	Jog dial pulse input from the rotary encoder (A phase input) (for INPUT SELECTOR)
50	TUNE_2	I	Jog dial pulse input from the rotary encoder (B phase input) (for TUNING)
51	TUNE_1	I	Jog dial pulse input from the rotary encoder (A phase input) (for TUNING)
52	TONE_2	I	Jog dial pulse input from the rotary encoder (B phase input) (for TONE)
53	TONE_1	I	Jog dial pulse input from the rotary encoder (A phase input) (for TONE)
54	HP_IN	I	Headphone plug insert detection signal input terminal "H": headphone plug is inserted
55	DA_MD0	I	Serial data input from the D/A converter (for audio section)
56	DA_LATCH	O	Serial data latch pulse signal output to the D/A converter (for audio section)
57	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
58	VSS_(GND)	-	Ground terminal
59	SYSTEM_MUTE	O	System muting on/off control signal output terminal Not used
60	DAC_MUTE	O	Muting control signal output terminal
61	DIR_DATA0	I	Audio serial data input from the digital audio interface receiver
62	DIR_XMODE	O	Reset signal output to the digital audio interface receiver "L": reset

Pin No.	Pin Name	I/O	Description
63	DIR_CE	O	Chip enable signal output to the digital audio interface receiver
64	DIR_DO	I	Serial data input from the digital audio interface receiver
65	DIR_ERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
66	DIR_CKST	I	Clock selection signal input from the digital audio interface receiver
67	D595_LAT	O	Serial data latch pulse signal output to the data decoder (for audio)
68	D595_OE	O	Output enable signal output to the data decoder (for audio)
69	COM1_CLK	O	Serial data transfer clock signal output to the digital audio interface receiver, data decoder (for audio section) and D/A converter (for audio section)
70	COM1_DATA	O	Serial data output to the digital audio interface receiver, data decoder (for audio section) and D/A converter (for audio section)
71	SF_DSP_CS_CTL	O	Hold signal output to the serial flash
72	SFLASH_CE	O	Chip enable signal output to the serial flash
73	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
74	VSS_(GND)	-	Ground terminal
75	SPI0_CE	O	Chip enable signal output to the DSP
76	DSP_RESET	O	Reset signal output to the DSP "L": reset
77	SPI0_SCS	O	Chip select signal output to the DSP
78	DA_RESET	O	Reset signal output to the D/A converter (for audio section) "L": reset
79 to 81	NO USE	O	Not used
82	SEL_DATA	O	Serial data output to the audio input selector
83	SEL_CLK	O	Serial data transfer clock signal output to the audio input selector
84	XM_POW	O	Power supply on/off control signal output terminal for XM section "H": power on (DA2400ES/DG920: US model only)
85	XM_LAT	O	Serial data latch pulse signal output to the D/A converter (for XM section) (DA2400ES/DG920: US model only)
86	TUN_TUNED	I	Tuned detection signal input from the tuner (FM/AM)
87	TUN_LAT	O	Serial data latch pulse signal output to the tuner (FM/AM)
88	VSS_(GND)	-	Ground terminal
89	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
90	TUN_DO	I	Serial data input from the tuner (FM/AM)
91	TUN_DATA	O	Serial data output to the tuner (FM/AM)
92	TUN_CLK	O	Serial data transfer clock signal output to the tuner (FM/AM)
93	RDS_DATA	I	RDS serial data input from the tuner (FM/AM) (DA2400ES: AEP, Continental European, East European, Russian and UK models only)
94	DMPORT_DET	I	Digital media port adapter connection detection signal input terminal "H": digital media port adapter is connected
95	HDMI_RESET	O	Reset signal output to the HDMI controller "L": reset
96	HDMI_ERROR	I	HDMI audio error signal input terminal
97	NO USE	O	Not used
98 to 100	AD-KEY1 to AD-KEY3	I	Front panel key input terminal (A/D input)
101	CEC_M/DV	O	CEC serial data output to the HDMI connector
102	C_MONI_MUTE	O	Component video monitor out muting on/off control signal output to the video switch (for component video signal) "L": muting on
103	VERSION	I	Destination setting terminal
104	COM2_DATA	I	Serial data output to the audio input selector, data decoder (for video section) and D/A converter (for XM section)
105	COM2_CLK	O	Serial data transfer clock signal output to the audio input selector, data decoder (for video section) and D/A converter (for XM section)
106	V595_LAT	O	Serial data latch pulse signal output to the data decoder (for video section)
107	V595_OE	O	Output enable signal output to the data decoder (for video section)
108	M_MUTE	O	Composite video monitor out muting on/off control signal output to the video switch (for component video signal) "L": muting on
109	VC_MUTE	O	Component video muting on/off control signal output to the video input selector (for component video signal) "L": muting on
110	V_DET	I	CVBS video signal detection input terminal
111	COMPO_DET	I	Component video signal detection input terminal
112	DAC_SCL	O	Serial data transfer clock signal output to the D/A converter (for video section)
113	DAC_SDA	O	Serial data output to the D/A converter (for video section)
114	AVSS/AVRL (ANALOG GND A/D)	-	Ground terminal (for A/D converter)
115	AVCC3(3.3V A/D)	-	Power supply terminal (+3.3V) (for A/D converter)

Pin No.	Pin Name	I/O	Description
116	AVRH (STANDARD PS A/D)	I	Reference voltage (+3.3V) input terminal (for A/D converter)
117	HDMI_SDA	I/O	I2C data bus with the HDMI controller
118	HDMI_SCL	O	I2C clock signal output to the HDMI controller
119	SIRCS-IN	I	SIRCS signal input from the remote control receiver
120	NO USE	O	Not used
121	CEC_DV/M	I	CEC serial data input from the HDMI connector
122	NO USE	O	Not used
123	ZONE_SEL	I	Zone selection signal input terminal Not used
124	VIDEO_DAC_RESET	O	Reset signal output terminal for the D/A converter (for video section) "L": reset
125	VIDEO_DAC_SDA	I	Power detection signal input from the video processor
126	RST_TRG	O	Reset signal output terminal for the system controller "L": reset
127	MD3	-	Mode setting terminal Fixed at "L" in this set
128	MD2	I	Serial data input terminal
129, 130	MD1, MD0	-	Mode setting terminal Fixed at "L" in this set
131	INITX	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
132	VSS_(GND)	-	Ground terminal
133	VCC5_(5V)	-	Power supply terminal (+3.3V)
134	RS232C_MIN	I	Serial data input from the RS-232C connector
135	RS232C_MOUT	O	Serial data output to the RS-232C connector
136	FLI_RESET	O	Reset signal output to the flash memory and video processor "L": reset
137	XM_XM/M	I	Serial data input from the XM receiver (DA2400ES/DG920: US model only)
138	XM_M/XM	O	Serial data output to the XM receiver (DA2400ES/DG920: US model only)
139	XM_RESET	O	Reset signal output to the XM receiver "L": reset (DA2400ES/DG920: US model only)
140	FLI_TX	I	UART communication transfer data input from the video processor
141	FLI_RX	O	UART communication transfer data output to the video processor
142	FLI_BUSY	I	Busy signal input from the video processor
143	SPI0_MISO	I	Serial data input from the serial flash and DSP
144	SPI0_MOSI	O	Serial data output to the serial flash and DSP
145	SPI0_CLK	O	Serial data transfer clock signal output to the serial flash and DSP
146	VSS_(GND)	-	Ground terminal
147	VCC5_(5V)	-	Power supply terminal (+3.3V)
148	SIRIUS_TX	I	Serial data input from the SIRIUS socket (DA2400ES: US model only)
149	SIRIUS_RX	O	Serial data output to the SIRIUS socket (DA2400ES: US model only)
150	FL_CLR	O	Blanking period signal output to the fluorescent indicator tube
151	FL_LAT	O	Serial data latch pulse signal output to the fluorescent indicator tube
152	FL_DATA	O	Serial data output to the fluorescent indicator tube
153	FL_CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
154	DMUART_DM/M	I	Serial data input from the DMPORT connector
155	DMUART_M/DM	O	Serial data output to the DMPORT connector
156	HDMI_VSYNC	I	Vertical sync signal input terminal Not used
157	DAC_CLK_SEL	O	Clock control signal output to the frequency multiplier for D/A converter (for video section)
158 to 160	NO USE	O	Not used
161	VSS_(GND)	-	Ground terminal
162	VCC5_(5V)	-	Power supply terminal (+3.3V)
163	NO USE	O	Not used
164	DSP_INT	I	Interrupt signal input from the DSP
165	RDS_CLK	I	RDS serial data transfer clock signal input from the tuner (FM/AM) (DA2400ES: AEP, Continental European, East European, Russian and UK models only)
166, 167	232C-SEL1, 232C-SEL2	O	Data selection signal output terminal Not used
168	FSRATE1	I	L/R sampling clock signal input from the digital audio interface receiver or HDMI receiver
169	FUNC_LAT	O	Serial data latch pulse signal output to the audio input selector
170	STOP	I	AC off detection signal input terminal "L": AC off
171	POW_RY	O	Relay drive signal (for main power) output terminal "H": relay on
172	PROTECTOR	I	Protect detection signal input terminal
173	NO USE	-	Not used
174	EEPROM_SDA	I/O	Two-way data bus with the EEPROM
175	EEPROM_SCL	O	Serial data transfer clock signal output to the EEPROM
176	VCC5_(5V)	-	Power supply terminal (+3.3V)

SECTION 7 EXPLODED VIEWS

Note:

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

↑ ↑
Parts Color Cabinet's Color

- Abbreviation
CND : Canadian model
ECE : Continental European,
East European and
Russian models
- Color Variation
BLACK : ALL models
SILVER : AEP, UK, ECE models

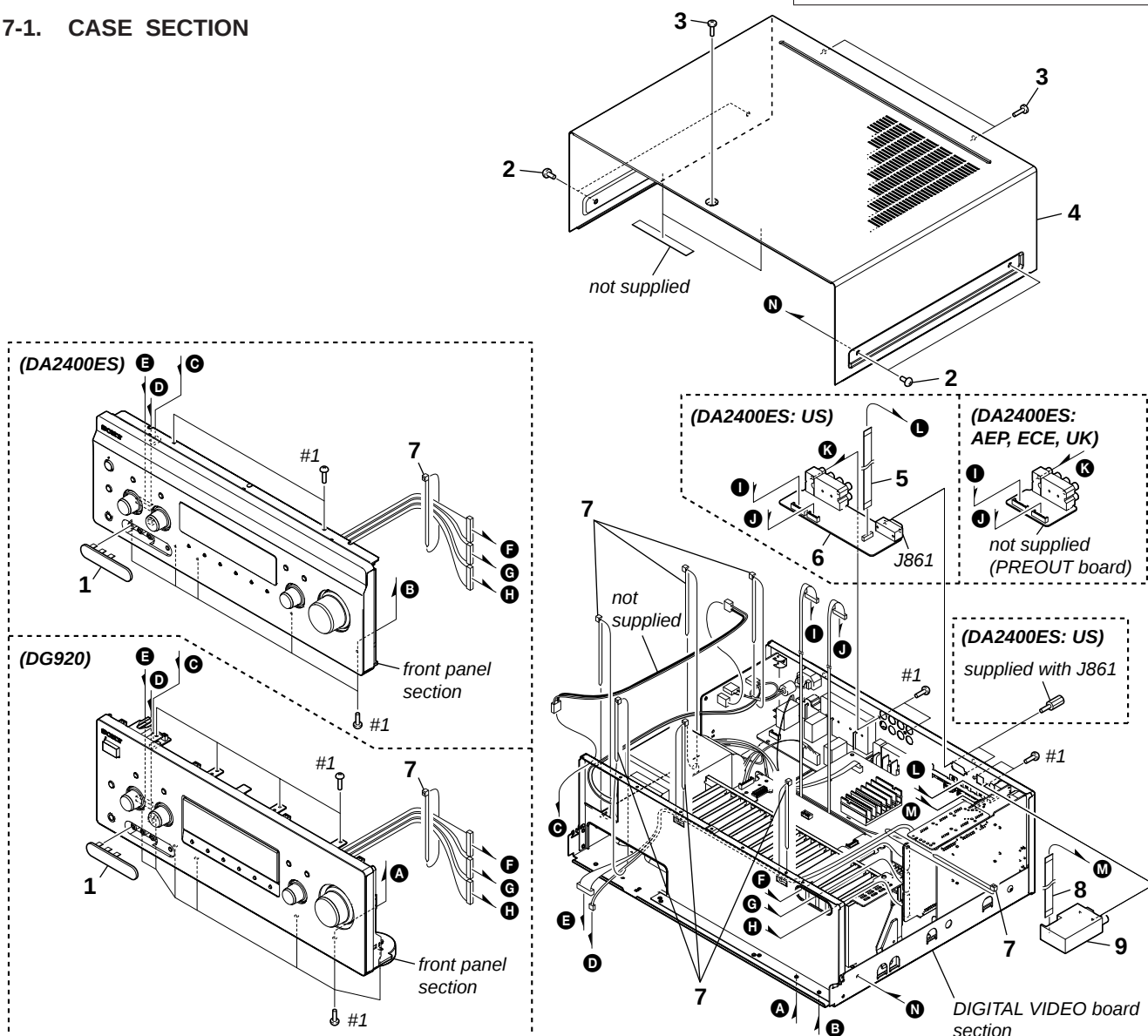
The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

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

The components identified by mark Δ contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque Δ contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

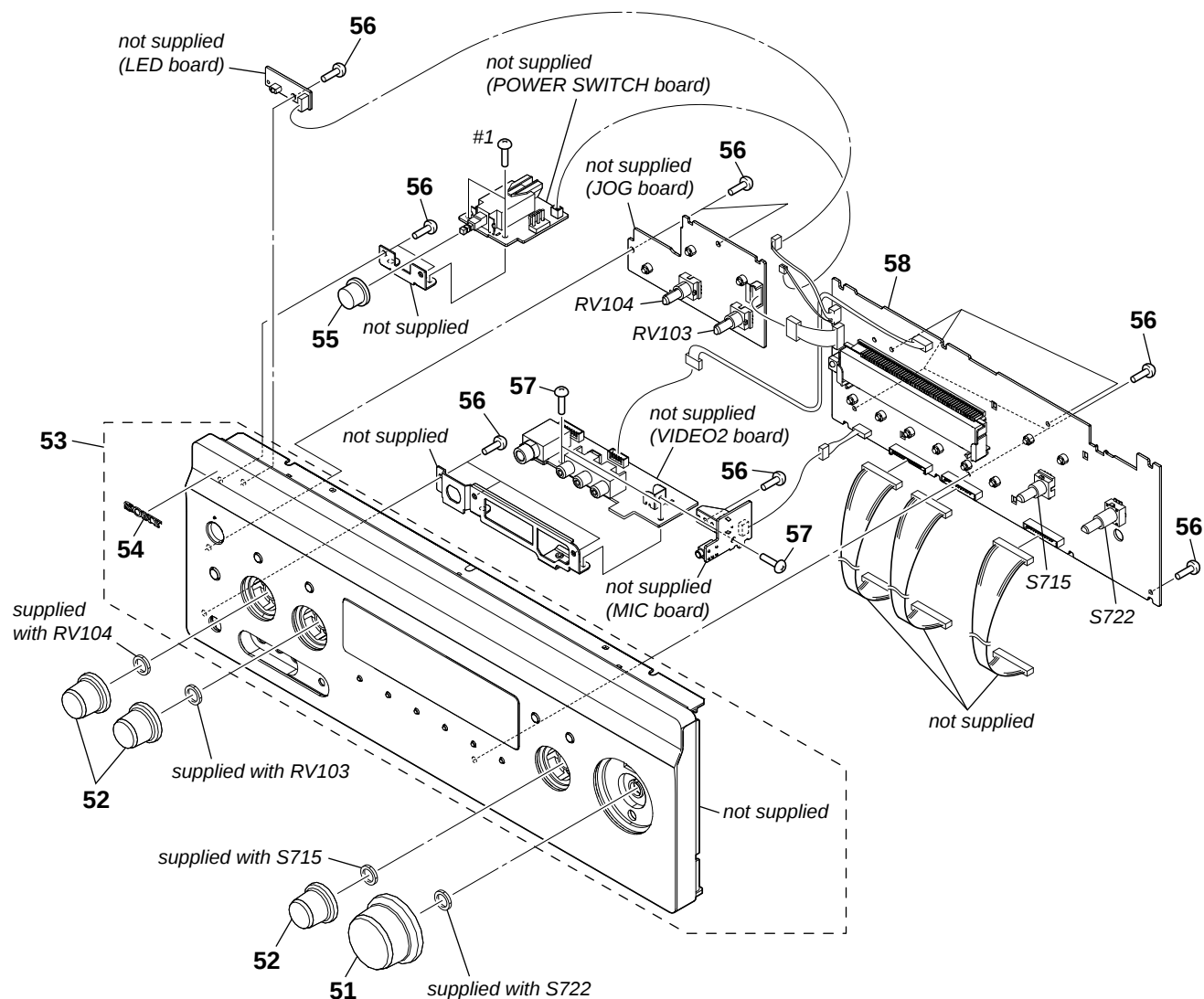
7-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	3-286-654-01	LID (BLACK)	
1	3-286-654-11	LID (SILVER)	
2	2-580-630-01	SCREW, +BVST 4X8 (for BLACK)	
2	7-685-881-04	SCREW +BVTT 4X8 (S) (for SILVER)	
3	4-227-843-03	SCREW (TP), FLAT HEAD (for BLACK)	
3	4-227-843-31	SCREW (TP), FLAT HEAD (for SILVER)	
4	3-286-852-11	CASE (BLACK)	
4	3-286-852-51	CASE (SILVER)	
5	1-828-589-11	WIRE (FLAT TYPE) (13 CORE) (DA2400ES: US)	
6	A-1442-423-A	CIS BOARD, COMPLETE (DA2400ES: US)	

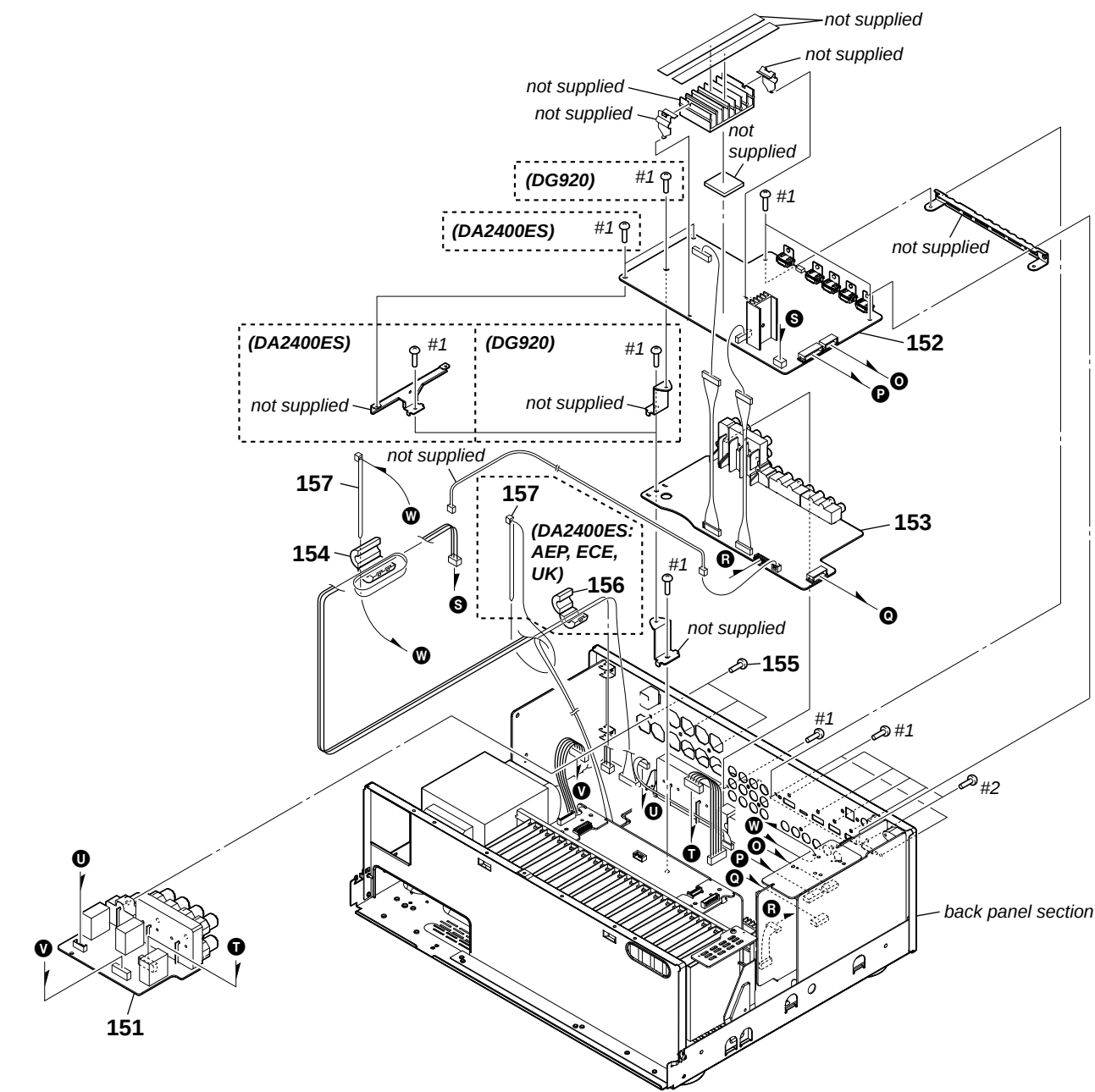
Ref. No.	Part No.	Description	Remark
7	3-701-748-00	CLAMP	
8	1-828-953-11	WIRE (FLAT TYPE) (9 CORE)	(DA2400ES: US/DG920)
8	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)	(DA2400ES: AEP, ECE, UK)
9	1-693-728-11	TUNER (FM/AM) (DA2400ES: US/DG920)	
9	1-693-737-11	TUNER (FM/AM) (DA2400ES: AEP, ECE, UK)	
J861	1-815-737-11	CONNECTOR, (D) SUB 9P (RS-232C)	(DA2400ES: US)
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-2. FRONT PANEL SECTION (DA2400ES)



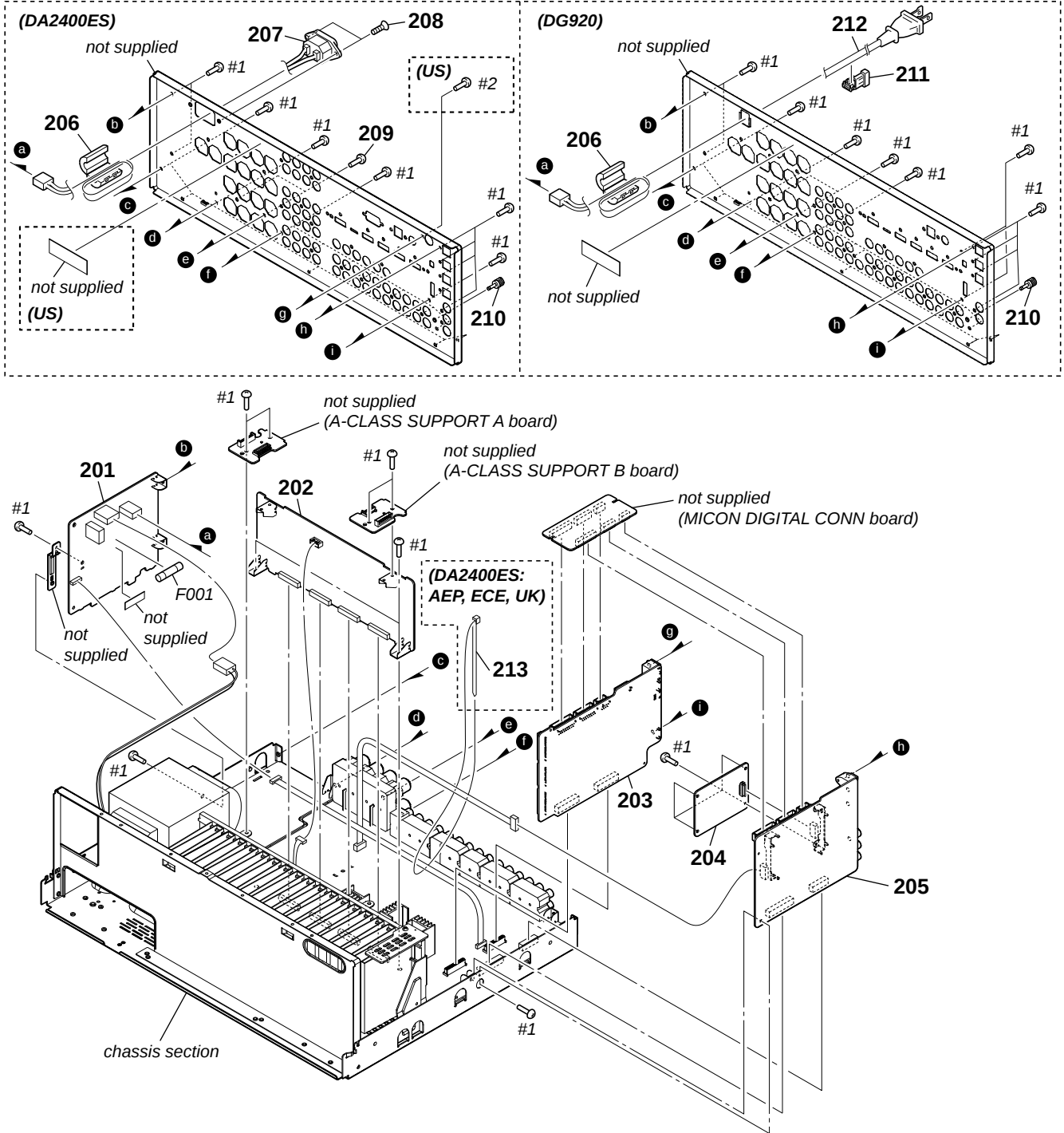
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2188-787-1	KNOB (VOL) ASSY (BLACK)		55	3-113-929-11	BUTTON (POWER-A13) (SILVER)	
51	X-2189-679-1	KNOB (VOL) ASSY (SILVER)		56	3-087-053-01	+BVTP2.6 (3CR)	
52	X-2190-020-1	KNOB MENU ASSY (BLACK)		57	3-077-331-21	+BV3 (3-CR)	
52	X-2190-021-1	KNOB MENU ASSY (SILVER)		58	A-1441-434-A	DISPLAY BOARD, COMPLETE	
53	A-1443-659-A	FRONT PANEL ASSY (US)		RV103	1-418-817-11	ENCODER, ROTARY (– TUNING +)	
53	A-1443-660-A	FRONT PANEL ASSY (BLACK) (AEP, ECE, UK)		RV104	1-418-817-11	ENCODER, ROTARY (– TONE +)	
53	A-1527-478-A	FRONT PANEL ASSY (SILVER) (AEP, ECE, UK)		S715	1-418-817-31	ENCODER, ROTARY (INPUT SELECTOR)	
54	4-942-568-41	EMBLEM (NO.5), SONY (for BLACK)		S722	1-418-725-41	ENCODER, ROTARY (12 TYPE)	
54	4-942-568-61	EMBLEM (NO.5), SONY (for SILVER)				(MASTER VOLUME)	
55	3-113-929-01	BUTTON (POWER-A13) (BLACK)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-4. DIGITAL VIDEO BOARD SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1441-449-A	SURR SPEAKER BOARD, COMPLETE (DG920)		154	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
151	A-1442-425-A	SURR SPEAKER BOARD, COMPLETE (DA2400ES: US)		155	3-704-515-51	SCREW (BV/RING) (DA2400ES)	
151	A-1442-453-A	SURR SPEAKER BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)		155	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3 (DG920)	
152	A-1441-458-A	DIGITAL VIDEO BOARD, COMPLETE (for SERVICE)		156	1-500-082-11	CLAMP, SLEEVE FERRITE (DA2400ES: AEP, ECE, UK)	
153	A-1441-442-A	VIDEO BOARD, COMPLETE (DA2400ES: US/DG920)		157	3-701-748-00	CLAMP	
153	A-1559-013-A	VIDEO BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
				#2	7-685-871-01	SCREW +BVTT 3X6 (S)	

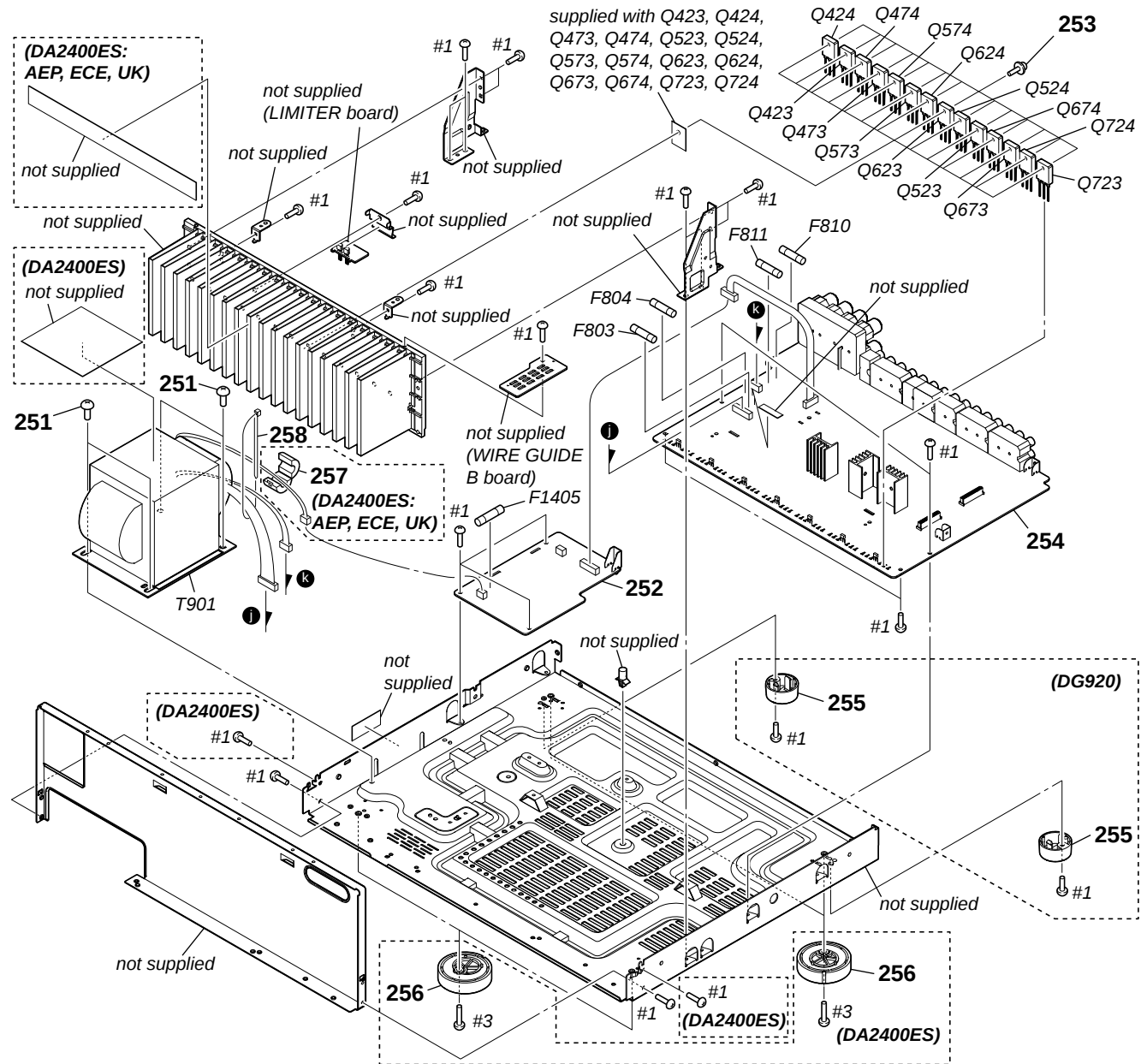
7-5. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark
201	A-1441-438-A	STANDBY BOARD, COMPLETE (DA2400ES: US/DG920)	
201	A-1442-081-A	STANDBY BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)	
202	A-1536-195-A	ACLASS BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)	
202	A-1536-196-A	ACLASS BOARD, COMPLETE (DA2400ES: US/DG920)	
203	A-1441-455-A	MICON BOARD, COMPLETE (DG920)	
203	A-1442-428-A	MICON BOARD, COMPLETE (DA2400ES: US)	
203	A-1442-455-A	MICON BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)	
204	A-1439-165-A	DSP BOARD, COMPLETE	
205	A-1441-453-A	DIGITAL BOARD, COMPLETE (DG920)	
205	A-1442-427-A	DIGITAL BOARD, COMPLETE (DA2400ES: US)	
205	A-1537-487-A	DIGITAL BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)	

Ref. No.	Part No.	Description	Remark
206	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
△ 207	1-821-082-21	INLET, AC 2P (∼AC INLET) (DA2400ES)	
208	2-580-644-01	SCREW, +KTP2 3X8 (DA2400ES)	
209	3-704-515-51	SCREW (BV/RING) (DA2400ES)	
210	4-947-010-01	SCREW, FEEDER FIXED	
211	4-966-267-12	BUSHING (FBS001), CORD (DG920)	
△ 212	1-783-820-11	CORD, POWER (DG920)	
213	3-701-748-00	CLAMP	
△ F001	1-532-504-33	FUSE (T4AL/250V) (DA2400ES: AEP, ECE, UK)	
△ F001	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V) (DA2400ES: US/DG920)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	

7-6. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	4-249-675-01	+BV SUMITITE S 4X6 ROUND		△ F1405	1-532-506-33	FUSE (T6.3AL/250V)	
252	A-1441-448-A	DCDC CON BOARD, COMPLETE		Q423	6-702-390-01	TRANSISTOR	MN2488-OPY-MK
253	3-905-609-01	SCREW (TRANSISTOR) (DG920)		Q424	6-702-391-01	TRANSISTOR	MP1620-OPY-MK
253	3-905-609-13	SCREW (TRANSISTOR) (DA2400ES)		Q473	6-702-390-01	TRANSISTOR	MN2488-OPY-MK
254	A-1441-431-A	MAIN BOARD, COMPLETE (DG920)		Q474	6-702-391-01	TRANSISTOR	MP1620-OPY-MK
254	A-1442-418-A	MAIN BOARD, COMPLETE (DA2400ES: US)		Q523	6-702-390-01	TRANSISTOR	MN2488-OPY-MK
254	A-1442-450-A	MAIN BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)		Q524	6-702-391-01	TRANSISTOR	MP1620-OPY-MK
255	X-4953-448-1	FOOT ASSY (DG920)		Q573	6-702-390-01	TRANSISTOR	MN2488-OPY-MK
256	X-4955-348-1	FOOT ASSY (DA2400ES)		Q574	6-702-391-01	TRANSISTOR	MP1620-OPY-MK
257	1-500-082-11	CLAMP, SLEEVE FERRITE (DA2400ES: AEP, ECE, UK)		Q623	6-702-390-01	TRANSISTOR	MN2488-OPY-MK
258	3-701-748-00	CLAMP		Q624	6-702-391-01	TRANSISTOR	MP1620-OPY-MK
△ F803	1-532-506-33	FUSE (T6.3AL/250V) (DA2400ES: US/DG920)		Q673	6-702-390-01	TRANSISTOR	MN2488-OPY-MK
△ F803	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V) (DA2400ES: AEP, ECE, UK)		Q674	6-702-391-01	TRANSISTOR	MP1620-OPY-MK
△ F804	1-532-506-33	FUSE (T6.3AL/250V) (DA2400ES: US/DG920)		Q723	6-702-390-01	TRANSISTOR	MN2488-OPY-MK
△ F804	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V) (DA2400ES: AEP, ECE, UK)		Q724	6-702-391-01	TRANSISTOR	MP1620-OPY-MK
△ F810	1-532-504-33	FUSE (T4AL/250V)		△ T901	1-445-370-11	POWER TRANSFORMER (DA2400ES: US/DG920)	
△ F811	1-532-504-33	FUSE (T4AL/250V)		△ T901	1-445-372-11	POWER TRANSFORMER (DA2400ES: AEP, ECE, UK)	
				#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
				#3	7-685-885-09	SCREW +BVTT 4X16 (S) (DA2400ES)	

SECTION 8 ELECTRICAL PARTS LIST

ACCLASS

Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
uF: μ F
- COILS
uH: μ H

- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA. . . : μ A. . . , μ PA. . . , μ PA. . . ,
uPB. . . : μ PB. . . , μ PC. . . , μ PC. . . ,
uPD. . . : μ PD. . .
- Abbreviation
CND : Canadian model
ECE : Continental European, East European and Russian models

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

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

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

The components identified by mark $\triangle$ contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque $\triangle$ contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-1536-195-A	ACCLASS BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)		C512	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
	A-1536-196-A	ACCLASS BOARD, COMPLETE (DA2400ES: US/DG920)		C513	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
		*****		C514	1-102-233-00	CERAMIC 33PF 10% 500V	
		< CAPACITOR >		C515	1-107-583-11	CERAMIC 3PF 0.25PF 500V	
C403	1-112-100-11	ELECT 10uF 20% 50V (DA2400ES: AEP, ECE, UK)		C516	1-112-079-11	ELECT 220uF 20% 10V (DA2400ES: AEP, ECE, UK)	
C403	1-128-582-11	ELECT 10uF 20% 100V (DA2400ES: US/DG920)		C516	1-126-923-91	ELECT 220uF 20% 10V (DA2400ES: US/DG920)	
C411	1-112-100-11	ELECT 10uF 20% 50V (DA2400ES: AEP, ECE, UK)		C545	1-107-583-11	CERAMIC 3PF 0.25PF 500V	
C411	1-126-964-11	ELECT 10uF 20% 50V (DA2400ES: US/DG920)		C561	1-112-100-11	ELECT 10uF 20% 50V (DA2400ES: AEP, ECE, UK)	
C412	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		C561	1-126-964-11	ELECT 10uF 20% 50V (DA2400ES: US/DG920)	
C413	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		C562	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C414	1-102-233-00	CERAMIC 33PF 10% 500V		C563	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C415	1-107-583-11	CERAMIC 3PF 0.25PF 500V		C564	1-102-233-00	CERAMIC 33PF 10% 500V	
C416	1-112-079-11	ELECT 220uF 20% 10V (DA2400ES: AEP, ECE, UK)		C566	1-112-079-11	ELECT 220uF 20% 10V (DA2400ES: AEP, ECE, UK)	
C416	1-126-923-91	ELECT 220uF 20% 10V (DA2400ES: US/DG920)		C566	1-126-923-91	ELECT 220uF 20% 10V (DA2400ES: US/DG920)	
C461	1-112-100-11	ELECT 10uF 20% 50V (DA2400ES: AEP, ECE, UK)		C603	1-112-100-11	ELECT 10uF 20% 50V (DA2400ES: AEP, ECE, UK)	
C461	1-126-964-11	ELECT 10uF 20% 50V (DA2400ES: US/DG920)		C603	1-128-582-11	ELECT 10uF 20% 100V (DA2400ES: US/DG920)	
C462	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		C611	1-112-100-11	ELECT 10uF 20% 50V (DA2400ES: AEP, ECE, UK)	
C463	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		C611	1-126-964-11	ELECT 10uF 20% 50V (DA2400ES: US/DG920)	
C464	1-102-233-00	CERAMIC 33PF 10% 500V		C612	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C465	1-107-583-11	CERAMIC 3PF 0.25PF 500V		C613	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C466	1-112-079-11	ELECT 220uF 20% 10V (DA2400ES: AEP, ECE, UK)		C614	1-102-233-00	CERAMIC 33PF 10% 500V	
C466	1-126-923-91	ELECT 220uF 20% 10V (DA2400ES: US/DG920)		C615	1-107-583-11	CERAMIC 3PF 0.25PF 500V	
C503	1-112-100-11	ELECT 10uF 20% 50V (DA2400ES: AEP, ECE, UK)		C616	1-112-079-11	ELECT 220uF 20% 10V (DA2400ES: AEP, ECE, UK)	
C503	1-128-582-11	ELECT 10uF 20% 100V (DA2400ES: US/DG920)		C616	1-126-923-91	ELECT 220uF 20% 10V (DA2400ES: US/DG920)	
C511	1-112-100-11	ELECT 10uF 20% 50V (DA2400ES: AEP, ECE, UK)		C655	1-102-233-00	CERAMIC 33PF 10% 500V	
C511	1-126-964-11	ELECT 10uF 20% 50V (DA2400ES: US/DG920)		C656	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
				C661	1-112-100-11	ELECT 10uF 20% 50V (DA2400ES: AEP, ECE, UK)	
				C661	1-126-964-11	ELECT 10uF 20% 50V (DA2400ES: US/DG920)	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C2234	1-112-083-11	ELECT	100uF	20%	16V (DA2400ES: AEP, ECE, UK)	C2282	1-112-100-11	ELECT	10uF	20%	50V (DA2400ES: AEP, ECE, UK)
C2235	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	C2282	1-126-964-11	ELECT	10uF	20%	50V (DA2400ES: US/DG920)
C2236	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2283	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2237	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C2285	1-137-457-11	MYLAR	0.0027uF	5%	100V (DA2400ES: AEP, ECE, UK)
C2238	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C2286	1-137-429-11	MYLAR	270PF	5%	50V (DA2400ES: AEP, ECE, UK)
C2243	1-126-947-11	ELECT	47uF	20%	35V (DA2400ES: US/DG920)	C2289	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2243	1-112-089-11	ELECT	47uF	20%	25V (DA2400ES: AEP, ECE, UK)	C2290	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2245	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C2291	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2246	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2292	1-137-429-11	MYLAR	270PF	5%	50V (DA2400ES: AEP, ECE, UK)
C2247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2293	1-137-457-11	MYLAR	0.0027uF	5%	100V (DA2400ES: AEP, ECE, UK)
C2248	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2294	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2250	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2295	1-112-100-11	ELECT	10uF	20%	50V (DA2400ES: AEP, ECE, UK)
C2251	1-112-080-11	ELECT	470uF	20%	10V (DA2400ES: AEP, ECE, UK)	C2295	1-126-964-11	ELECT	10uF	20%	50V (DA2400ES: US/DG920)
C2251	1-126-925-91	ELECT	470uF	20%	10V (DA2400ES: US/DG920)	C2296	1-112-100-11	ELECT	10uF	20%	50V (DA2400ES: AEP, ECE, UK)
C2252	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2296	1-126-964-11	ELECT	10uF	20%	50V (DA2400ES: US/DG920)
C2253	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C2297	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2254	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2298	1-137-457-11	MYLAR	0.0027uF	5%	100V (DA2400ES: AEP, ECE, UK)
C2255	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C2299	1-137-429-11	MYLAR	270PF	5%	50V (DA2400ES: AEP, ECE, UK)
C2256	1-104-658-91	ELECT	100uF	20%	10V (DA2400ES: US/DG920)	C2300	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2256	1-112-083-11	ELECT	100uF	20%	16V (DA2400ES: AEP, ECE, UK)	C2301	1-137-429-11	MYLAR	270PF	5%	50V (DA2400ES: AEP, ECE, UK)
C2257	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2302	1-137-457-11	MYLAR	0.0027uF	5%	100V (DA2400ES: AEP, ECE, UK)
C2258	1-104-658-91	ELECT	100uF	20%	10V (DA2400ES: US/DG920)	C2303	1-112-100-11	ELECT	10uF	20%	50V (DA2400ES: AEP, ECE, UK)
C2258	1-112-083-11	ELECT	100uF	20%	16V (DA2400ES: AEP, ECE, UK)	C2303	1-126-964-11	ELECT	10uF	20%	50V (DA2400ES: US/DG920)
C2259	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2304	1-112-100-11	ELECT	10uF	20%	50V (DA2400ES: AEP, ECE, UK)
C2261	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2304	1-126-964-11	ELECT	10uF	20%	50V (DA2400ES: US/DG920)
C2262	1-126-947-11	ELECT	47uF	20%	35V (DA2400ES: US/DG920)	C2305	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2262	1-112-089-11	ELECT	47uF	20%	25V (DA2400ES: AEP, ECE, UK)	C2306	1-137-457-11	MYLAR	0.0027uF	5%	100V (DA2400ES: AEP, ECE, UK)
C2271	1-112-114-11	ELECT	22uF	20%	50V (DA2400ES: AEP, ECE, UK)	C2307	1-137-429-11	MYLAR	270PF	5%	50V (DA2400ES: AEP, ECE, UK)
C2271	1-126-965-91	ELECT	22uF	20%	50V (DA2400ES: US/DG920)	C2309	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2272	1-104-658-91	ELECT	100uF	20%	10V (DA2400ES: US/DG920)	C2310	1-137-429-11	MYLAR	270PF	5%	50V (DA2400ES: AEP, ECE, UK)
C2272	1-112-083-11	ELECT	100uF	20%	16V (DA2400ES: AEP, ECE, UK)	C2311	1-137-457-11	MYLAR	0.0027uF	5%	100V (DA2400ES: AEP, ECE, UK)
C2273	1-112-114-11	ELECT	22uF	20%	50V (DA2400ES: AEP, ECE, UK)	C2314	1-112-100-11	ELECT	10uF	20%	50V (DA2400ES: AEP, ECE, UK)
C2273	1-126-965-91	ELECT	22uF	20%	50V (DA2400ES: US/DG920)	C2314	1-126-964-11	ELECT	10uF	20%	50V (DA2400ES: US/DG920)
C2274	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C2316	1-112-100-11	ELECT	10uF	20%	50V (DA2400ES: AEP, ECE, UK)
C2275	1-137-429-11	MYLAR	270PF	5%	50V (DA2400ES: AEP, ECE, UK)	C2316	1-126-964-11	ELECT	10uF	20%	50V (DA2400ES: US/DG920)
C2276	1-137-457-11	MYLAR	0.0027uF	5%	100V (DA2400ES: AEP, ECE, UK)	C2317	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2278	1-112-100-11	ELECT	10uF	20%	50V (DA2400ES: AEP, ECE, UK)	C2318	1-137-457-11	MYLAR	0.0027uF	5%	100V (DA2400ES: AEP, ECE, UK)
C2278	1-126-964-11	ELECT	10uF	20%	50V (DA2400ES: US/DG920)						
C2279	1-112-077-11	ELECT	1000uF	20%	6.3V (DA2400ES: AEP, ECE, UK)						
C2279	1-126-916-11	ELECT	1000uF	20%	6.3V (DA2400ES: US/DG920)						
C2281	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
CN3504	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P		IC3206	6-705-468-01	IC BA33BC0FP-E2	
CN3505	1-820-735-31	HDMI CONNECTOR (HDMI OUT)		IC3207	6-700-394-01	IC BA25BC0FP-E2	
CN3506	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P		IC3208	6-705-468-01	IC BA33BC0FP-E2	
CN3800	1-785-728-21	PIN (PC BOARD), CONNECTOR 7P		IC3209	6-600-632-01	IC SI-3011ZFE	
		< DIODE >		IC3210	6-808-232-02	IC SST39VF3202704IEKE-24FLIX10	
D3000	8-719-049-09	DIODE 1SS367-T3SONY		IC3211	6-704-573-01	IC M24C32-WMN6T (B)	
D3001	8-719-049-09	DIODE 1SS367-T3SONY		IC3212	6-705-468-01	IC BA33BC0FP-E2	
D3204	8-719-210-39	DIODE EC10QS-04		IC3501	8-753-282-08	IC CXB1444R-T6	
D3205	8-719-312-08	DIODE FMB-G16L		IC3502	6-708-758-01	IC PCA9517DP.118	
D3206	8-719-312-08	DIODE FMB-G16L		IC3503	8-759-596-39	IC SN74LV4052APWR	
D3207	8-719-053-18	DIODE 1SR154-400TE-25		IC3504	8-759-596-39	IC SN74LV4052APWR	
D3500	6-501-817-01	DIODE MA2J1110GLSO		IC3505	6-704-001-01	IC BR24L02F-WSE2	
D3501	6-501-817-01	DIODE MA2J1110GLSO		IC3506	(Not supplied)	IC SI19135CTU	
D3511	8-719-073-81	DIODE EC21QS06-TE12L		IC3507	8-759-524-50	IC TC74VHC541FT (EL)	
D3512	8-719-073-81	DIODE EC21QS06-TE12L		IC3508	(Not supplied)	IC SI19134CTU	
		< EARTH TERMINAL >		IC3509	6-705-337-01	IC TK11150CSCL-G	
ET3501	1-780-318-11	TERMINAL		IC3510	6-705-337-01	IC TK11150CSCL-G	
ET3502	1-780-318-11	TERMINAL		IC3511	6-708-913-01	IC TK73400AU3G0L-C	
		< FERRITE BEAD >		IC3512	6-708-913-01	IC TK73400AU3G0L-C	
FB3000	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC3513	8-759-679-36	IC TC7WT125FU (TE12R)	
FB3202	1-469-152-11	FERRITE, EMI (SMD) (2012)		@ IC3601	6-711-139-01	IC FLI8638-LF	
FB3203	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3800	6-711-254-01	IC ADV7392BCPZ	
FB3204	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC3807	6-702-300-01	IC TK11118CSCL-G	
FB3205	1-469-152-11	FERRITE, EMI (SMD) (2012)		IC3809	6-702-302-01	IC TK11133CSCL-G	
FB3206	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC3810	6-710-444-01	IC CY2302-SXC-1T	
FB3207	1-469-152-11	FERRITE, EMI (SMD) (2012)				< COIL >	
FB3208	1-469-152-11	FERRITE, EMI (SMD) (2012)		L3500	1-469-525-91	INDUCTOR 10uH	
FB3209	1-469-324-21	FERRITE, EMI (SMD) (2012)		L3501	1-469-525-91	INDUCTOR 10uH	
FB3210	1-469-152-11	FERRITE, EMI (SMD) (2012)		L3502	1-469-525-91	INDUCTOR 10uH	
FB3211	1-469-152-11	FERRITE, EMI (SMD) (2012)		L3503	1-469-525-91	INDUCTOR 10uH	
FB3212	1-469-152-11	FERRITE, EMI (SMD) (2012)		L3504	1-469-525-91	INDUCTOR 10uH	
FB3213	1-469-152-11	FERRITE, EMI (SMD) (2012)		L3505	1-469-525-91	INDUCTOR 10uH	
FB3214	1-469-152-11	FERRITE, EMI (SMD) (2012)		L3506	1-469-525-91	INDUCTOR 10uH	
FB3500	1-469-324-21	FERRITE, EMI (SMD) (2012)				< TRANSISTOR >	
FB3503	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3500	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	
FB3504	1-469-324-21	FERRITE, EMI (SMD) (2012)		Q3501	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	
FB3505	1-469-324-21	FERRITE, EMI (SMD) (2012)		Q3505	8-729-027-46	TRANSISTOR DTC114YKA-T146	
FB3506	1-469-139-21	FERRITE, EMI (SMD) (2012)				< RESISTOR/FERRITE BEAD >	
FB3507	1-469-139-21	FERRITE, EMI (SMD) (2012)		R3001	1-216-805-11	METAL CHIP 47 5% 1/10W	
FB3508	1-469-324-21	FERRITE, EMI (SMD) (2012)		R3002	1-216-809-11	METAL CHIP 100 5% 1/10W	
FB3509	1-469-152-11	FERRITE, EMI (SMD) (2012)		R3003	1-216-864-11	SHORT CHIP 0	
FB3808	1-469-152-11	FERRITE, EMI (SMD) (2012)		R3004	1-216-833-11	METAL CHIP 10K 5% 1/10W	
FB3809	1-469-152-11	FERRITE, EMI (SMD) (2012)		R3005	1-216-833-11	METAL CHIP 10K 5% 1/10W	
FB3810	1-469-152-11	FERRITE, EMI (SMD) (2012)		R3006	1-216-833-11	METAL CHIP 10K 5% 1/10W	
FB3811	1-469-152-11	FERRITE, EMI (SMD) (2012)		R3008	1-216-833-11	METAL CHIP 10K 5% 1/10W	
		< COIL >		R3009	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
* FL3500	1-813-880-11	COMMON MODE CHOKE COIL		R3010	1-216-805-11	METAL CHIP 47 5% 1/10W	
* FL3501	1-813-880-11	COMMON MODE CHOKE COIL		R3011	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
* FL3502	1-813-880-11	COMMON MODE CHOKE COIL		R3012	1-216-805-11	METAL CHIP 47 5% 1/10W	
* FL3503	1-813-880-11	COMMON MODE CHOKE COIL		R3013	1-216-801-11	METAL CHIP 22 5% 1/10W	
		< IC >		R3014	1-216-801-11	METAL CHIP 22 5% 1/10W	
IC3000	A-1550-924-A	IC M30620FCPGP U5C (for SERVICE)		R3015	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC3200	6-710-521-11	IC HY5DU561622ETP-4-C		R3017	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC3203	6-710-521-11	IC HY5DU561622ETP-4-C		R3018	1-216-805-11	METAL CHIP 47 5% 1/10W	
IC3205	6-702-300-01	IC TK11118CSCL-G		R3020	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R3021	1-216-805-11	METAL CHIP 47 5% 1/10W	
				R3023	1-216-833-11	METAL CHIP 10K 5% 1/10W	

Note: IC3506 and IC3508 cannot exchange with single. When IC3506 and IC3508 are damaged, exchange the entire mounted board.

@ Replacement of IC3601 used in this set requires a special tool.

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R3371	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3553	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3372	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3373	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3556	1-216-864-11	SHORT CHIP	0		
R3374	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3557	1-216-805-11	METAL CHIP	47	5%	1/10W
R3378	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3379	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3559	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3380	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3381	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3561	1-216-805-11	METAL CHIP	47	5%	1/10W
R3382	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3562	1-216-805-11	METAL CHIP	47	5%	1/10W
R3383	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3563	1-216-805-11	METAL CHIP	47	5%	1/10W
R3384	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3564	1-216-864-11	SHORT CHIP	0		
R3385	1-216-864-11	SHORT CHIP	0			R3565	1-216-864-11	SHORT CHIP	0		
R3386	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3566	1-216-805-11	METAL CHIP	47	5%	1/10W
R3387	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3567	1-216-805-11	METAL CHIP	47	5%	1/10W
R3388	1-216-864-11	SHORT CHIP	0			R3568	1-216-864-11	SHORT CHIP	0		
R3389	1-216-864-11	SHORT CHIP	0			R3570	1-216-805-11	METAL CHIP	47	5%	1/10W
R3390	1-216-864-11	SHORT CHIP	0			R3571	1-216-805-11	METAL CHIP	47	5%	1/10W
R3391	1-216-864-11	SHORT CHIP	0			R3572	1-216-805-11	METAL CHIP	47	5%	1/10W
R3392	1-216-864-11	SHORT CHIP	0			R3573	1-216-864-11	SHORT CHIP	0		
R3393	1-216-864-11	SHORT CHIP	0			R3574	1-216-805-11	METAL CHIP	47	5%	1/10W
R3394	1-216-864-11	SHORT CHIP	0			R3575	1-216-805-11	METAL CHIP	47	5%	1/10W
R3395	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R3577	1-216-805-11	METAL CHIP	47	5%	1/10W
R3396	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R3578	1-216-805-11	METAL CHIP	47	5%	1/10W
R3397	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3579	1-216-813-11	METAL CHIP	220	5%	1/10W
R3501	1-216-864-11	SHORT CHIP	0			R3580	1-216-805-11	METAL CHIP	47	5%	1/10W
R3503	1-216-864-11	SHORT CHIP	0			R3582	1-216-797-11	METAL CHIP	10	5%	1/10W
R3505	1-216-864-11	SHORT CHIP	0			R3583	1-216-813-11	METAL CHIP	220	5%	1/10W
R3508	1-216-864-11	SHORT CHIP	0			R3585	1-216-797-11	METAL CHIP	10	5%	1/10W
R3509	1-216-837-11	METAL CHIP	22K	5%	1/10W	R3586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3510	1-216-805-11	METAL CHIP	47	5%	1/10W	R3587	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3511	1-216-805-11	METAL CHIP	47	5%	1/10W	R3588	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R3589	1-216-809-11	METAL CHIP	100	5%	1/10W
R3514	1-216-805-11	METAL CHIP	47	5%	1/10W	R3590	1-216-801-11	METAL CHIP	22	5%	1/10W
R3515	1-216-805-11	METAL CHIP	47	5%	1/10W	R3591	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3517	1-216-805-11	METAL CHIP	47	5%	1/10W	R3592	1-216-805-11	METAL CHIP	47	5%	1/10W
R3518	1-216-805-11	METAL CHIP	47	5%	1/10W	R3593	1-216-805-11	METAL CHIP	47	5%	1/10W
R3520	1-216-805-11	METAL CHIP	47	5%	1/10W	R3594	1-216-809-11	METAL CHIP	100	5%	1/10W
R3521	1-216-805-11	METAL CHIP	47	5%	1/10W	R3595	1-216-809-11	METAL CHIP	100	5%	1/10W
R3522	1-216-841-11	METAL CHIP	47K	5%	1/10W	R3596	1-216-809-11	METAL CHIP	100	5%	1/10W
R3523	1-216-841-11	METAL CHIP	47K	5%	1/10W	R3597	1-216-809-11	METAL CHIP	100	5%	1/10W
R3524	1-216-841-11	METAL CHIP	47K	5%	1/10W	R3598	1-216-813-11	METAL CHIP	220	5%	1/10W
R3525	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R3599	1-216-809-11	METAL CHIP	100	5%	1/10W
R3526	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3600	1-216-864-11	SHORT CHIP	0		
R3527	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3601	1-216-029-00	RES-CHIP	150	5%	1/10W
R3528	1-216-837-11	METAL CHIP	22K	5%	1/10W	R3602	1-216-864-11	SHORT CHIP	0		
R3529	1-216-864-11	SHORT CHIP	0			R3603	1-216-797-11	METAL CHIP	10	5%	1/10W
R3530	1-216-841-11	METAL CHIP	47K	5%	1/10W	R3604	1-216-797-11	METAL CHIP	10	5%	1/10W
R3531	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3605	1-216-797-11	METAL CHIP	10	5%	1/10W
R3532	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3606	1-216-805-11	METAL CHIP	47	5%	1/10W
R3533	1-216-864-11	SHORT CHIP	0			R3607	1-216-805-11	METAL CHIP	47	5%	1/10W
R3536	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3608	1-216-805-11	METAL CHIP	47	5%	1/10W
R3541	1-216-864-11	SHORT CHIP	0			R3609	1-216-805-11	METAL CHIP	47	5%	1/10W
R3542	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R3610	1-216-805-11	METAL CHIP	47	5%	1/10W
R3543	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R3611	1-216-805-11	METAL CHIP	47	5%	1/10W
R3545	1-216-805-11	METAL CHIP	47	5%	1/10W	R3612	1-216-805-11	METAL CHIP	47	5%	1/10W
R3546	1-216-805-11	METAL CHIP	47	5%	1/10W	R3613	1-216-805-11	METAL CHIP	47	5%	1/10W
R3547	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3621	1-216-864-11	SHORT CHIP	0		
R3548	1-216-864-11	SHORT CHIP	0			R3622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3551	1-216-864-11	SHORT CHIP	0			R3623	1-216-809-11	METAL CHIP	100	5%	1/10W
R3552	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R3624	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

DSP

JOG

LED

LIMITER

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark					
R5377	1-216-801-11	METAL CHIP	22	5%	1/10W	< ROTARY ENCODER >								
R5378	1-216-821-11	METAL CHIP	1K	5%	1/10W	RV103	1-418-817-11	ENCODER, ROTARY (– TUNING +)						
R5379	1-218-847-11	METAL CHIP	1K	0.5%	1/10W		1-418-817-11	ENCODER, ROTARY (– TONE +)						
R5384	1-216-801-11	METAL CHIP	22	5%	1/10W	< SWITCH >								
R5385	1-216-801-11	METAL CHIP	22	5%	1/10W	S113	1-771-410-21	SWITCH, TACTILE (TUNING MODE)						
R5386	1-216-801-11	METAL CHIP	22	5%	1/10W		1-771-410-21	SWITCH, TACTILE (TONE MODE)						
R5387	1-216-801-11	METAL CHIP	22	5%	1/10W		1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B/A+B))						
R5391	1-216-833-11	METAL CHIP	10K	5%	1/10W	*****								
R5392	1-216-833-11	METAL CHIP	10K	5%	1/10W	LED BOARD								
R5393	1-216-864-11	SHORT CHIP	0			*****								
R5394	1-216-801-11	METAL CHIP	22	5%	1/10W	< CONNECTOR >								
R5397	1-216-833-11	METAL CHIP	10K	5%	1/10W	CN719	1-779-978-11	PIN, CONNECTOR 3P						
R5399	1-216-833-11	METAL CHIP	10K	5%	1/10W			< LED >						
R5402	1-216-833-11	METAL CHIP	10K	5%	1/10W	D701	8-719-056-11	LED SML72423C-TP15 (ON/STANDBY)						
R5403	1-216-801-11	METAL CHIP	22	5%	1/10W			*****						
R5404	1-216-801-11	METAL CHIP	22	5%	1/10W	LIMITER BOARD								
R5405	1-216-801-11	METAL CHIP	22	5%	1/10W	*****								
R5406	1-216-801-11	METAL CHIP	22	5%	1/10W	< CAPACITOR >								
R5407	1-216-801-11	METAL CHIP	22	5%	1/10W	C1909	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V			
R5410	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1910	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
R5411	1-216-801-11	METAL CHIP	22	5%	1/10W	C1913	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
R5412	1-216-801-11	METAL CHIP	22	5%	1/10W	< DIODE >								
R5413	1-216-801-11	METAL CHIP	22	5%	1/10W	D1906	6-501-738-01	DIODE MAZ8062GMLS0						
R5414	1-216-801-11	METAL CHIP	22	5%	1/10W			< IC >						
< COMPOSITION CIRCUIT BLOCK >						IC1903	6-710-072-01	IC LM61CIZ/LFT2						
RB009	1-234-372-11	RES, NETWORK 100 (1005X4)				IC1905	6-710-072-01	IC LM61CIZ/LFT2						
RB010	1-234-372-11	RES, NETWORK 100 (1005X4)				< RESISTOR >								
RB011	1-234-372-11	RES, NETWORK 100 (1005X4)				R1928	1-216-809-11	METAL CHIP	100	5%	1/10W			
RB012	1-234-372-11	RES, NETWORK 100 (1005X4)				*****								
RB013	1-234-372-11	RES, NETWORK 100 (1005X4)				A-1441-431-A MAIN BOARD, COMPLETE (DG920)								
RB014	1-234-372-11	RES, NETWORK 100 (1005X4)				A-1442-418-A MAIN BOARD, COMPLETE (DA2400ES: US)								
RB015	1-234-372-11	RES, NETWORK 100 (1005X4)				A-1442-450-A MAIN BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)								
RB016	1-234-372-11	RES, NETWORK 100 (1005X4)				*****								
RB019	1-234-373-21	RES, NETWORK 220 (1005X4)				7-685-646-79 SCREW +BVTP 3X8 TYPE2 IT-3								
RB021	1-234-373-21	RES, NETWORK 220 (1005X4)				< CAPACITOR >								
RB022	1-234-373-21	RES, NETWORK 220 (1005X4)				C402	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V			
RB024	1-234-373-21	RES, NETWORK 220 (1005X4)				C403	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V			
RB025	1-234-373-21	RES, NETWORK 220 (1005X4)				C404	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V			
RB026	1-234-373-21	RES, NETWORK 220 (1005X4)				C405	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V			
< VIBRATOR >						(DG920)								
X002	1-813-868-21	VIBRATOR, CRYSTAL (25MHz)				C408	1-126-965-91	ELECT	22uF	20%	50V			
*****						C409	1-112-114-11	ELECT	22uF	20%	50V			
JOG BOARD						C409	1-126-965-91	ELECT	22uF	20%	50V			
*****						(DA2400ES: AEP, ECE, UK)								
< CAPACITOR >						C421	1-126-947-11	ELECT	47uF	20%	35V			
C104	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	(DA2400ES: US/DG920)								
C105	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C421	1-112-089-11	ELECT	47uF	20%	25V			
C106	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	(DA2400ES: US/DG920)								
C107	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	(DA2400ES: AEP, ECE, UK)								
< CONNECTOR >														
* CN104	1-691-406-11	CONNECTOR, BOARD TO BOARD 7P												
< RESISTOR >														
R112	1-216-825-11	METAL CHIP	2.2K	5%	1/10W									
R113	1-216-825-11	METAL CHIP	2.2K	5%	1/10W									

STR-DA2400ES/DG920

MAIN

Ref. No.	Part No.	Description	Remark		
C424	1-102-233-00	CERAMIC	33PF	10%	500V
C425	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C426	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C427	1-126-964-11	ELECT	10uF	20%	50V
C429	1-102-233-00	CERAMIC	33PF	10%	500V
C458	1-126-965-91	ELECT	22uF	20%	50V
C459	1-112-114-11	ELECT	22uF	20%	50V (DA2400ES: AEP, ECE, UK)
C459	1-126-965-91	ELECT	22uF	20%	50V (DA2400ES: US/DG920)
C460	1-126-965-91	ELECT	22uF	20%	50V (DG920)
C471	1-126-947-11	ELECT	47uF	20%	35V (DA2400ES: US/DG920)
C471	1-112-089-11	ELECT	47uF	20%	25V (DA2400ES: AEP, ECE, UK)
C473	1-102-233-00	CERAMIC	33PF	10%	500V
C474	1-102-233-00	CERAMIC	33PF	10%	500V
C475	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C476	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C477	1-126-964-11	ELECT	10uF	20%	50V
C521	1-126-947-11	ELECT	47uF	20%	35V (DA2400ES: US/DG920)
C521	1-112-089-11	ELECT	47uF	20%	25V (DA2400ES: AEP, ECE, UK)
C523	1-102-233-00	CERAMIC	33PF	10%	500V
C524	1-102-233-00	CERAMIC	33PF	10%	500V
C525	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C526	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C527	1-126-964-11	ELECT	10uF	20%	50V
C571	1-126-947-11	ELECT	47uF	20%	35V (DA2400ES: US/DG920)
C571	1-112-089-11	ELECT	47uF	20%	25V (DA2400ES: AEP, ECE, UK)
C573	1-102-233-00	CERAMIC	33PF	10%	500V
C574	1-102-233-00	CERAMIC	33PF	10%	500V
C575	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C576	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C577	1-126-964-11	ELECT	10uF	20%	50V
C621	1-126-947-11	ELECT	47uF	20%	35V (DA2400ES: US/DG920)
C621	1-112-089-11	ELECT	47uF	20%	25V (DA2400ES: AEP, ECE, UK)
C623	1-102-233-00	CERAMIC	33PF	10%	500V
C624	1-102-233-00	CERAMIC	33PF	10%	500V
C625	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C626	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C627	1-126-964-11	ELECT	10uF	20%	50V
C631	1-136-157-00	FILM	0.022uF	5%	50V
C671	1-126-947-11	ELECT	47uF	20%	35V (DA2400ES: US/DG920)
C671	1-112-089-11	ELECT	47uF	20%	25V (DA2400ES: AEP, ECE, UK)
C673	1-102-233-00	CERAMIC	33PF	10%	500V
C674	1-102-233-00	CERAMIC	33PF	10%	500V
C675	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C676	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C677	1-126-964-11	ELECT	10uF	20%	50V
C681	1-136-157-00	FILM	0.022uF	5%	50V
C721	1-126-923-91	ELECT	220uF	20%	10V
C722	1-126-964-11	ELECT	10uF	20%	50V
C723	1-102-233-00	CERAMIC	33PF	10%	500V

Ref. No.	Part No.	Description	Remark		
C724	1-102-233-00	CERAMIC	33PF	10%	500V
C725	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C726	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C727	1-126-964-11	ELECT	10uF	20%	50V
C771	1-126-947-11	ELECT	47uF	20%	35V (DA2400ES: US/DG920)
C771	1-112-089-11	ELECT	47uF	20%	25V (DA2400ES: AEP, ECE, UK)
C801	1-114-537-11	ELECT (BLOCK)	8200uF	20%	71V
C802	1-114-537-11	ELECT (BLOCK)	8200uF	20%	71V
C803	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C804	1-104-999-11	MYLAR	0.1uF	5%	200V
C805	1-104-999-11	MYLAR	0.1uF	5%	200V
C806	1-137-350-11	FILM	0.015uF	5%	100V
C807	1-137-350-11	FILM	0.015uF	5%	100V
C808	1-137-350-11	FILM	0.015uF	5%	100V
C809	1-137-350-11	FILM	0.015uF	5%	100V
C810	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C811	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C812	1-112-085-11	ELECT	1000uF	20%	16V (DA2400ES: AEP, ECE, UK)
C812	1-126-767-11	ELECT	1000uF	20%	16V (DA2400ES: US/DG920)
C813	1-112-085-11	ELECT	1000uF	20%	16V (DA2400ES: AEP, ECE, UK)
C813	1-126-767-11	ELECT	1000uF	20%	16V (DA2400ES: US/DG920)
C814	1-112-423-11	ELECT	3300uF	20%	25V (DA2400ES: AEP, ECE, UK)
C814	1-126-944-11	ELECT	3300uF	20%	25V (DA2400ES: US/DG920)
C815	1-112-423-11	ELECT	3300uF	20%	25V (DA2400ES: AEP, ECE, UK)
C815	1-126-944-11	ELECT	3300uF	20%	25V (DA2400ES: US/DG920)
C817	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C818	1-112-084-11	ELECT	470uF	20%	16V (DA2400ES: AEP, ECE, UK)
C818	1-126-935-11	ELECT	470uF	20%	16V (DA2400ES: US/DG920)
C4001	1-112-097-11	ELECT	2.2uF	20%	50V (DA2400ES: AEP, ECE, UK)
C4001	1-126-961-11	ELECT	2.2uF	20%	50V (DA2400ES: US/DG920)
C4002	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C4003	1-112-084-11	ELECT	470uF	20%	16V (DA2400ES: AEP, ECE, UK)
C4003	1-126-935-11	ELECT	470uF	20%	16V (DA2400ES: US/DG920)
C4004	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C4005	1-125-896-91	MYLAR	0.0091uF	5%	50V
C4006	1-136-159-00	MYLAR	0.033uF	5%	50V
C4007	1-112-097-11	ELECT	2.2uF	20%	50V (DA2400ES: AEP, ECE, UK)
C4007	1-126-961-11	ELECT	2.2uF	20%	50V (DA2400ES: US/DG920)
C4009	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C4011	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C4012	1-112-114-11	ELECT	22uF	20%	50V (DA2400ES: AEP, ECE, UK)
C4012	1-126-965-91	ELECT	22uF	20%	50V (DA2400ES: US)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C4013	1-112-114-11	ELECT	22uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4061	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4013	1-126-965-91	ELECT	22uF 20% 50V (DA2400ES: US)	C4061	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4014	1-112-114-11	ELECT	22uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4062	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4014	1-126-965-91	ELECT	22uF 20% 50V (DA2400ES: US)	C4062	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4015	1-112-114-11	ELECT	22uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4063	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4015	1-126-965-91	ELECT	22uF 20% 50V (DA2400ES: US)	C4063	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4016	1-112-114-11	ELECT	22uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4064	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4016	1-126-965-91	ELECT	22uF 20% 50V (DA2400ES: US)	C4064	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4017	1-112-114-11	ELECT	22uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4065	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4017	1-126-965-91	ELECT	22uF 20% 50V (DA2400ES: US)	C4065	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4018	1-112-114-11	ELECT	22uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4067	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4018	1-126-965-91	ELECT	22uF 20% 50V (DA2400ES: US)	C4067	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4019	1-112-114-11	ELECT	22uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4068	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4019	1-126-965-91	ELECT	22uF 20% 50V (DA2400ES: US)	C4068	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4021	1-112-097-11	ELECT	2.2uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4069	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C4021	1-126-961-11	ELECT	2.2uF 20% 50V (DA2400ES: US/DG920)	C4070	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C4022	1-164-230-11	CERAMIC CHIP	220PF 5% 50V	C4071	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4023	1-112-084-11	ELECT	470uF 20% 16V (DA2400ES: AEP, ECE, UK)	C4071	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4023	1-126-935-11	ELECT	470uF 20% 16V (DA2400ES: US/DG920)	C4072	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4024	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C4072	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4025	1-125-896-91	MYLAR	0.0091uF 5% 50V	C4073	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4026	1-136-159-00	MYLAR	0.033uF 5% 50V	C4073	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4027	1-112-097-11	ELECT	2.2uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4074	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4027	1-126-961-11	ELECT	2.2uF 20% 50V (DA2400ES: US/DG920)	C4074	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4029	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	C4075	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4031	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C4075	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4032	1-112-114-11	ELECT	22uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4076	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4032	1-126-965-91	ELECT	22uF 20% 50V (DA2400ES: US/DG920)	C4076	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4033	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C4077	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4035	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	C4077	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4048	1-164-230-11	CERAMIC CHIP	220PF 5% 50V	C4078	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)
C4049	1-164-230-11	CERAMIC CHIP	220PF 5% 50V	C4078	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)
C4052	1-112-114-11	ELECT	22uF 20% 50V (DA2400ES: AEP, ECE, UK)	C4081	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C4052	1-126-965-91	ELECT	22uF 20% 50V (DA2400ES: US/DG920)	C4082	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C4053	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C4084	1-164-230-11	CERAMIC CHIP	220PF 5% 50V
C4055	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V				
C4060	1-112-100-11	ELECT	10uF 20% 50V (DA2400ES: AEP, ECE, UK)				
C4060	1-126-964-11	ELECT	10uF 20% 50V (DA2400ES: US/DG920)				

STR-DA2400ES/DG920

MAIN

Ref. No.	Part No.	Description	Remark		
C4085	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C4086	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C4100	1-128-950-31	ELECT	1000uF	20%	16V
C4102	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C4103	1-128-950-31	ELECT	1000uF	20%	16V
C4105	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C4106	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C4107	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
CC01	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC02	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC03	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC04	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC05	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC06	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC07	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC08	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC09	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC10	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC12	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC13	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC14	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC15	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC16	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (DA2400ES: AEP, ECE, UK)
CC17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (DA2400ES: AEP, ECE, UK)
CC18	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (DA2400ES: AEP, ECE, UK)
CC19	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (DA2400ES: AEP, ECE, UK)
CC51	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC52	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC53	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC54	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC55	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC56	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC57	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC58	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC59	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC60	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (DA2400ES: AEP, ECE, UK)
CC62	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC63	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC64	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC65	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN401	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P	
CN501	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P	
CN601	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P	
CN671	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P	
CN801	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P	
* CN811	1-564-507-11	PLUG, CONNECTOR 4P	
CN4007	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P	
CN4008	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P	
CN4012	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P	
CN4013	1-766-600-21	CONNECTOR, BOARD TO BOARD 7P	
CN4016	1-564-505-11	PLUG, CONNECTOR 2P (DA2400ES: AEP, ECE, UK)	
CN4017	1-564-505-11	PLUG, CONNECTOR 2P (DA2400ES: AEP, ECE, UK)	
CN4018	1-564-505-11	PLUG, CONNECTOR 2P (DA2400ES: AEP, ECE, UK)	
CN4019	1-564-505-11	PLUG, CONNECTOR 2P (DA2400ES: AEP, ECE, UK)	
CN4020	1-564-505-11	PLUG, CONNECTOR 2P (DA2400ES: AEP, ECE, UK)	
CN4021	1-564-505-11	PLUG, CONNECTOR 2P (DA2400ES: AEP, ECE, UK)	
CN4022	1-564-505-11	PLUG, CONNECTOR 2P (DA2400ES: AEP, ECE, UK)	
		< DIODE >	
D405	6-501-817-01	DIODE MA2J1110GLS0	
D406	6-501-817-01	DIODE MA2J1110GLS0	
D425	6-501-817-01	DIODE MA2J1110GLS0	
D426	6-501-817-01	DIODE MA2J1110GLS0	
D475	6-501-817-01	DIODE MA2J1110GLS0	
D476	6-501-817-01	DIODE MA2J1110GLS0	
D500	6-501-817-01	DIODE MA2J1110GLS0	
D525	6-501-817-01	DIODE MA2J1110GLS0	
D526	6-501-817-01	DIODE MA2J1110GLS0	
D560	6-501-817-01	DIODE MA2J1110GLS0 (DG920)	
D575	6-501-817-01	DIODE MA2J1110GLS0	
D576	6-501-817-01	DIODE MA2J1110GLS0	
D601	6-501-817-01	DIODE MA2J1110GLS0	
D611	6-501-817-01	DIODE MA2J1110GLS0	
D625	6-501-817-01	DIODE MA2J1110GLS0	
D646	6-501-817-01	DIODE MA2J1110GLS0	
D675	6-501-817-01	DIODE MA2J1110GLS0	
D676	6-501-817-01	DIODE MA2J1110GLS0	
D721	6-501-817-01	DIODE MA2J1110GLS0	
D722	6-501-817-01	DIODE MA2J1110GLS0	
D725	6-501-817-01	DIODE MA2J1110GLS0	
D726	6-501-817-01	DIODE MA2J1110GLS0	
D732	6-501-817-01	DIODE MA2J1110GLS0	
D733	6-501-817-01	DIODE MA2J1110GLS0	
D801	8-719-072-05	DIODE RBV-602LF-A	
D802	8-719-072-05	DIODE RBV-602LF-A	
D803	6-501-817-01	DIODE MA2J1110GLS0	
D804	6-501-817-01	DIODE MA2J1110GLS0	
D805	8-719-053-18	DIODE 1SR154-400TE-25	
D806	8-719-053-18	DIODE 1SR154-400TE-25	
D807	8-719-053-18	DIODE 1SR154-400TE-25	
D808	8-719-053-18	DIODE 1SR154-400TE-25	
D896	8-719-053-18	DIODE 1SR154-400TE-25	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D4002	6-501-817-01	DIODE MA2J1110GLS0		Q521	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D4003	6-501-817-01	DIODE MA2J1110GLS0		Q522	8-729-141-30	TRANSISTOR 2SC3623A-LK	
				Q525	8-729-216-31	TRANSISTOR 2SA1163-G	
D4004	6-501-817-01	DIODE MA2J1110GLS0		Q527	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
D4005	6-501-817-01	DIODE MA2J1110GLS0					
D4006	6-501-817-01	DIODE MA2J1110GLS0		Q530	8-729-216-31	TRANSISTOR 2SA1163-G	
D4007	6-501-817-01	DIODE MA2J1110GLS0		Q560	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF (DG920)	
D4008	6-501-817-01	DIODE MA2J1110GLS0		Q571	8-729-119-76	TRANSISTOR 2SA1175-HFE	
				Q572	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D4009	6-501-817-01	DIODE MA2J1110GLS0		Q575	8-729-216-31	TRANSISTOR 2SA1163-G	
D4806	6-502-218-01	DIODE RB060M-30					
		< FUSE HOLDER >		Q576	8-729-216-31	TRANSISTOR 2SA1163-G	
				Q577	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
FH805	1-533-233-11	FUSE HOLDER		Q601	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
FH806	1-533-233-11	FUSE HOLDER		Q611	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
FH807	1-533-233-11	FUSE HOLDER		Q621	8-729-119-76	TRANSISTOR 2SA1175-HFE	
FH808	1-533-233-11	FUSE HOLDER					
FH810	1-533-233-11	FUSE HOLDER		Q622	8-729-141-30	TRANSISTOR 2SC3623A-LK	
				Q625	8-729-216-31	TRANSISTOR 2SA1163-G	
FH811	1-533-233-11	FUSE HOLDER		Q626	8-729-216-31	TRANSISTOR 2SA1163-G	
FH812	1-533-233-11	FUSE HOLDER		Q627	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
FH813	1-533-233-11	FUSE HOLDER		Q671	8-729-119-76	TRANSISTOR 2SA1175-HFE	
		< IC >					
IC403	6-711-163-01	IC NJU7311AM (TE2)		Q672	8-729-141-30	TRANSISTOR 2SC3623A-LK	
IC404	6-710-586-01	IC R2S15206FP		Q675	8-729-216-31	TRANSISTOR 2SA1163-G	
IC801	8-759-071-48	IC TA7807S		Q676	8-729-216-31	TRANSISTOR 2SA1163-G	
IC802	8-759-071-47	IC TA79007S		Q677	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
IC803	8-759-394-35	IC BA12T		Q720	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
IC4001	8-759-710-97	IC NJM4565M-D		Q721	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC4002	8-759-385-76	IC MC14052 BDR2		Q722	8-729-141-30	TRANSISTOR 2SC3623A-LK	
IC4005	8-759-710-97	IC NJM4565M-D		Q725	8-729-216-31	TRANSISTOR 2SA1163-G	
IC4100	6-712-052-01	IC SI-8001FFE		Q726	8-729-216-31	TRANSISTOR 2SA1163-G	
				Q727	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
		< JACK >					
J401	1-774-411-11	JACK, PIN 6P (PHONO/SA-CD/CD IN, MD/TAPE OUT)		Q728	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
J402	1-774-411-11	JACK, PIN 6P (MD/TAPE/TV/SAT AUDIO IN)		Q729	8-729-216-31	TRANSISTOR 2SA1163-G	
J403	1-770-614-11	JACK, PIN 4P (DVD/BD AUDIO IN)		Q801	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
J404	1-770-614-11	JACK, PIN 4P (VIDEO 1 AUDIO IN/OUT)		Q4010	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	
J406	1-770-377-21	JACK, PIN 1P (SUBWOOFER AUDIO OUT) (DG920)		Q4012	8-729-027-43	TRANSISTOR DTC114EKA-T146	
J407	1-774-411-11	JACK, PIN 6P (MULTI CHANNEL INPUT FRONT/SURROUND/SUR BACK)				< RESISTOR >	
J408	1-793-777-12	JACK, PIN 2P (SUBWOOFER, CENTER)					
		< COIL >		△ R220	1-249-381-91	CARBON 1 5% 1/4W F	
L601	1-420-872-52	COIL, AIR-CORE		△ R234	1-249-381-91	CARBON 1 5% 1/4W F	
L651	1-420-872-52	COIL, AIR-CORE		R401	1-216-821-11	METAL CHIP 1K 5% 1/10W	
L4101	1-457-508-11	COIL, CHOKE		R402	1-216-821-11	METAL CHIP 1K 5% 1/10W	
				R403	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< TRANSISTOR >		R404	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q421	8-729-119-76	TRANSISTOR 2SA1175-HFE		R405	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q422	8-729-141-30	TRANSISTOR 2SC3623A-LK		R406	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q425	8-729-216-31	TRANSISTOR 2SA1163-G		R407	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q426	8-729-216-31	TRANSISTOR 2SA1163-G		R408	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q427	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF					
				R409	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q471	8-729-119-76	TRANSISTOR 2SA1175-HFE		R410	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q472	8-729-141-30	TRANSISTOR 2SC3623A-LK		R413	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q475	8-729-216-31	TRANSISTOR 2SA1163-G		R414	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q476	8-729-216-31	TRANSISTOR 2SA1163-G		R415	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q477	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF					
				R416	1-216-821-11	METAL CHIP 1K 5% 1/10W	
				R420	1-216-817-11	METAL CHIP 470 5% 1/10W	
						(DA2400ES: AEP, ECE, UK)	
				R420	1-216-818-11	METAL CHIP 560 5% 1/10W	
						(DA2400ES: US/DG920)	
				R421	1-216-844-11	METAL CHIP 82K 5% 1/10W	
						(DA2400ES: US/DG920)	
				R422	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
Q505	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		△ R423	1-249-405-91	CARBON 100 5% 1/4W F	
				△ R425	1-249-405-91	CARBON 100 5% 1/4W F	

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MAIN

Ref. No.	Part No.	Description	Remark		
△ R426	1-240-855-91	CARBON	6.2K	5%	1/4W F
R427	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
△ R428	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
R429	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R430	1-216-843-11	METAL CHIP	68K	5%	1/10W
R432	1-216-837-11	METAL CHIP	22K	5%	1/10W
R433	1-216-835-11	METAL CHIP	15K	5%	1/10W
R434	1-216-835-11	METAL CHIP	15K	5%	1/10W
R435	1-216-841-11	METAL CHIP	47K	5%	1/10W
R436	1-216-837-11	METAL CHIP	22K	5%	1/10W
R437	1-216-841-11	METAL CHIP	47K	5%	1/10W
R446	1-216-835-11	METAL CHIP	15K	5%	1/10W
R449	1-216-849-11	METAL CHIP	220K	5%	1/10W
R451	1-216-821-11	METAL CHIP	1K	5%	1/10W
R452	1-216-821-11	METAL CHIP	1K	5%	1/10W
R453	1-216-821-11	METAL CHIP	1K	5%	1/10W
R454	1-216-821-11	METAL CHIP	1K	5%	1/10W
R455	1-216-821-11	METAL CHIP	1K	5%	1/10W
R456	1-216-821-11	METAL CHIP	1K	5%	1/10W
R457	1-216-821-11	METAL CHIP	1K	5%	1/10W
R458	1-216-821-11	METAL CHIP	1K	5%	1/10W
R459	1-216-821-11	METAL CHIP	1K	5%	1/10W
R460	1-216-821-11	METAL CHIP	1K	5%	1/10W
R461	1-216-821-11	METAL CHIP	1K	5%	1/10W
R463	1-216-821-11	METAL CHIP	1K	5%	1/10W
R464	1-216-821-11	METAL CHIP	1K	5%	1/10W
R465	1-216-821-11	METAL CHIP	1K	5%	1/10W
R466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R468	1-216-845-11	METAL CHIP	100K	5%	1/10W (DG920)
R470	1-216-817-11	METAL CHIP	470	5%	1/10W (DA2400ES: AEP, ECE, UK)
R470	1-216-818-11	METAL CHIP	560	5%	1/10W (DA2400ES: US/DG920)
R471	1-216-844-11	METAL CHIP	82K	5%	1/10W (DA2400ES: US/DG920)
R472	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
△ R473	1-249-405-91	CARBON	100	5%	1/4W F
R474	1-216-841-11	METAL CHIP	47K	5%	1/10W (DG920)
△ R475	1-249-405-91	CARBON	100	5%	1/4W F
△ R476	1-240-855-91	CARBON	6.2K	5%	1/4W F
R477	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
△ R478	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
R479	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R480	1-216-843-11	METAL CHIP	68K	5%	1/10W
R482	1-216-837-11	METAL CHIP	22K	5%	1/10W
R483	1-216-835-11	METAL CHIP	15K	5%	1/10W
R484	1-216-835-11	METAL CHIP	15K	5%	1/10W
R485	1-216-841-11	METAL CHIP	47K	5%	1/10W
R486	1-216-837-11	METAL CHIP	22K	5%	1/10W
R487	1-216-841-11	METAL CHIP	47K	5%	1/10W
R488	1-216-841-11	METAL CHIP	47K	5%	1/10W
R490	1-216-841-11	METAL CHIP	47K	5%	1/10W
R491	1-216-841-11	METAL CHIP	47K	5%	1/10W
R496	1-216-835-11	METAL CHIP	15K	5%	1/10W
R498	1-216-841-11	METAL CHIP	47K	5%	1/10W
R499	1-216-849-11	METAL CHIP	220K	5%	1/10W
R504	1-216-841-11	METAL CHIP	47K	5%	1/10W
R505	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
△ R507	1-249-397-91	CARBON	22	5%	1/4W F
R508	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DG920)
R509	1-216-833-11	METAL CHIP	10K	5%	1/10W (DG920)
△ R510	1-215-891-51	METAL OXIDE	680	5%	2W F
R520	1-216-817-11	METAL CHIP	470	5%	1/10W (DA2400ES: AEP, ECE, UK)
R520	1-216-818-11	METAL CHIP	560	5%	1/10W (DA2400ES: US/DG920)
R521	1-216-844-11	METAL CHIP	82K	5%	1/10W (DA2400ES: US/DG920)
R522	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
△ R523	1-249-405-91	CARBON	100	5%	1/4W F
△ R525	1-249-405-91	CARBON	100	5%	1/4W F
△ R526	1-240-855-91	CARBON	6.2K	5%	1/4W F
R527	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
△ R528	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
R529	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R530	1-216-843-11	METAL CHIP	68K	5%	1/10W
R532	1-216-837-11	METAL CHIP	22K	5%	1/10W
R533	1-216-835-11	METAL CHIP	15K	5%	1/10W
R534	1-216-835-11	METAL CHIP	15K	5%	1/10W
R535	1-216-841-11	METAL CHIP	47K	5%	1/10W
R536	1-216-837-11	METAL CHIP	22K	5%	1/10W
R537	1-216-841-11	METAL CHIP	47K	5%	1/10W
R546	1-216-835-11	METAL CHIP	15K	5%	1/10W
R549	1-216-849-11	METAL CHIP	220K	5%	1/10W
△ R560	1-215-891-51	METAL OXIDE	680	5%	2W F
R570	1-216-817-11	METAL CHIP	470	5%	1/10W (DA2400ES: AEP, ECE, UK)
R570	1-216-818-11	METAL CHIP	560	5%	1/10W (DA2400ES: US/DG920)
R571	1-216-844-11	METAL CHIP	82K	5%	1/10W (DA2400ES: US/DG920)
R572	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
△ R573	1-249-405-91	CARBON	100	5%	1/4W F
△ R575	1-249-405-91	CARBON	100	5%	1/4W F
△ R576	1-240-855-91	CARBON	6.2K	5%	1/4W F
R577	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
△ R578	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
R579	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R580	1-216-843-11	METAL CHIP	68K	5%	1/10W
R582	1-216-837-11	METAL CHIP	22K	5%	1/10W
R583	1-216-835-11	METAL CHIP	15K	5%	1/10W
R584	1-216-835-11	METAL CHIP	15K	5%	1/10W
R585	1-216-841-11	METAL CHIP	47K	5%	1/10W
R586	1-216-837-11	METAL CHIP	22K	5%	1/10W
R587	1-216-841-11	METAL CHIP	47K	5%	1/10W
R596	1-216-835-11	METAL CHIP	15K	5%	1/10W
R599	1-216-849-11	METAL CHIP	220K	5%	1/10W
△ R601	1-249-397-91	CARBON	22	5%	1/4W F
R603	1-216-821-11	METAL CHIP	1K	5%	1/10W
R604	1-216-841-11	METAL CHIP	47K	5%	1/10W
△ R611	1-249-397-91	CARBON	22	5%	1/4W F
R613	1-216-821-11	METAL CHIP	1K	5%	1/10W
R614	1-216-841-11	METAL CHIP	47K	5%	1/10W
△ R616	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
R620	1-216-817-11	METAL CHIP	470	5%	1/10W (DA2400ES: AEP, ECE, UK)
R620	1-216-818-11	METAL CHIP	560	5%	1/10W (DA2400ES: US/DG920)

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R621	1-216-844-11	METAL CHIP	82K	5%	1/10W (DA2400ES: US/DG920)	R736	1-216-837-11	METAL CHIP	22K	5%	1/10W
						R737	1-216-841-11	METAL CHIP	47K	5%	1/10W
R622	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R738	1-216-833-11	METAL CHIP	10K	5%	1/10W
△ R623	1-249-405-91	CARBON	100	5%	1/4W F	R740	1-216-821-11	METAL CHIP	1K	5%	1/10W
△ R625	1-249-405-91	CARBON	100	5%	1/4W F	R741	1-216-837-11	METAL CHIP	22K	5%	1/10W
△ R626	1-240-855-91	CARBON	6.2K	5%	1/4W F	R746	1-216-835-11	METAL CHIP	15K	5%	1/10W
R627	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	R770	1-216-833-11	METAL CHIP	10K	5%	1/10W
R629	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R780	1-216-833-11	METAL CHIP	10K	5%	1/10W
R630	1-216-843-11	METAL CHIP	68K	5%	1/10W	R799	1-216-849-11	METAL CHIP	220K	5%	1/10W
△ R631	1-249-393-91	CARBON	10	5%	1/4W F	△ R801	1-249-395-91	CARBON	15	5%	1/4W F
R632	1-216-837-11	METAL CHIP	22K	5%	1/10W	△ R802	1-249-395-91	CARBON	15	5%	1/4W F
R633	1-216-835-11	METAL CHIP	15K	5%	1/10W	R803	1-216-833-11	METAL CHIP	10K	5%	1/10W
R634	1-216-835-11	METAL CHIP	15K	5%	1/10W	△ R804	1-249-393-91	CARBON	10	5%	1/4W F
R635	1-216-841-11	METAL CHIP	47K	5%	1/10W	△ R805	1-249-393-91	CARBON	10	5%	1/4W F (DG920)
R636	1-216-837-11	METAL CHIP	22K	5%	1/10W	R4001	1-216-845-11	METAL CHIP	100K	5%	1/10W
R637	1-216-841-11	METAL CHIP	47K	5%	1/10W	R4002	1-216-845-11	METAL CHIP	100K	5%	1/10W
△ R639	1-249-389-91	CARBON	4.7	5%	1/4W F	R4003	1-216-812-11	METAL CHIP	180	5%	1/10W
R646	1-216-835-11	METAL CHIP	15K	5%	1/10W	R4004	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R649	1-216-849-11	METAL CHIP	220K	5%	1/10W	R4005	1-216-845-11	METAL CHIP	100K	5%	1/10W
R670	1-216-817-11	METAL CHIP	470	5%	1/10W (DA2400ES: AEP, ECE, UK)	R4006	1-216-809-11	METAL CHIP	100	5%	1/10W
R670	1-216-818-11	METAL CHIP	560	5%	1/10W (DA2400ES: US/DG920)	R4007	1-216-845-11	METAL CHIP	100K	5%	1/10W
R671	1-216-844-11	METAL CHIP	82K	5%	1/10W (DA2400ES: US/DG920)	R4008	1-216-817-11	METAL CHIP	470	5%	1/10W
R672	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R4009	1-216-833-11	METAL CHIP	10K	5%	1/10W
△ R673	1-249-405-91	CARBON	100	5%	1/4W F	R4010	1-216-833-11	METAL CHIP	10K	5%	1/10W
△ R675	1-249-405-91	CARBON	100	5%	1/4W F	R4011	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
△ R676	1-240-855-91	CARBON	6.2K	5%	1/4W F	R4012	1-216-837-11	METAL CHIP	22K	5%	1/10W
R677	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	R4013	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
△ R678	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F	R4014	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R679	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R4015	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R680	1-216-843-11	METAL CHIP	68K	5%	1/10W	R4016	1-216-813-11	METAL CHIP	220	5%	1/10W
△ R681	1-249-393-91	CARBON	10	5%	1/4W F	R4017	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R682	1-216-837-11	METAL CHIP	22K	5%	1/10W	R4021	1-216-845-11	METAL CHIP	100K	5%	1/10W
R683	1-216-835-11	METAL CHIP	15K	5%	1/10W	R4022	1-216-845-11	METAL CHIP	100K	5%	1/10W
R684	1-216-835-11	METAL CHIP	15K	5%	1/10W	R4023	1-216-812-11	METAL CHIP	180	5%	1/10W
R685	1-216-841-11	METAL CHIP	47K	5%	1/10W	R4024	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R686	1-216-837-11	METAL CHIP	22K	5%	1/10W	R4025	1-216-845-11	METAL CHIP	100K	5%	1/10W
R687	1-216-841-11	METAL CHIP	47K	5%	1/10W	R4026	1-216-809-11	METAL CHIP	100	5%	1/10W
△ R689	1-249-389-91	CARBON	4.7	5%	1/4W F	R4027	1-216-845-11	METAL CHIP	100K	5%	1/10W
R696	1-216-835-11	METAL CHIP	15K	5%	1/10W	R4028	1-216-817-11	METAL CHIP	470	5%	1/10W
R699	1-216-849-11	METAL CHIP	220K	5%	1/10W	R4029	1-216-833-11	METAL CHIP	10K	5%	1/10W
R720	1-216-817-11	METAL CHIP	470	5%	1/10W (DA2400ES: AEP, ECE, UK)	R4033	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R720	1-216-818-11	METAL CHIP	560	5%	1/10W (DA2400ES: US/DG920)	R4034	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R721	1-216-844-11	METAL CHIP	82K	5%	1/10W (DA2400ES: US/DG920)	R4035	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R722	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R4036	1-216-813-11	METAL CHIP	220	5%	1/10W
△ R723	1-249-405-91	CARBON	100	5%	1/4W F	R4037	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
△ R725	1-249-405-91	CARBON	100	5%	1/4W F	R4042	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES)
△ R726	1-240-855-91	CARBON	6.2K	5%	1/4W F	R4043	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES)
R727	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	R4044	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES)
△ R728	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F	R4045	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES)
R729	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R4046	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES)
R730	1-216-843-11	METAL CHIP	68K	5%	1/10W	R4047	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES)
R732	1-216-837-11	METAL CHIP	22K	5%	1/10W	R4048	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES)
R733	1-216-835-11	METAL CHIP	15K	5%	1/10W						
R734	1-216-835-11	METAL CHIP	15K	5%	1/10W						
R735	1-216-841-11	METAL CHIP	47K	5%	1/10W						

STR-DA2400ES/DG920

MAINMICMICON

Ref. No.	Part No.	Description	Remark		
R4049	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES)
R4053	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4054	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4062	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA2400ES)
R4063	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA2400ES)
R4064	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA2400ES)
R4065	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA2400ES)
R4066	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA2400ES)
R4067	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA2400ES)
R4068	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA2400ES)
R4069	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA2400ES)
R4100	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R4103	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R4104	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R4105	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W
R4106	1-216-864-11	SHORT CHIP	0		
△ RR16	1-249-393-91	CARBON	10	5%	1/4W F (DA2400ES: AEP, ECE, UK)
△ RR17	1-249-393-91	CARBON	10	5%	1/4W F (DA2400ES: AEP, ECE, UK)
△ RR18	1-249-393-91	CARBON	10	5%	1/4W F (DA2400ES: AEP, ECE, UK)
△ RR19	1-249-393-91	CARBON	10	5%	1/4W F (DA2400ES: AEP, ECE, UK)
< VARIABLE RESISTOR >					
RV400	1-238-595-11	RES, ADJ, CARBON	220		(DA2400ES: AEP, ECE, UK)
RV470	1-238-595-11	RES, ADJ, CARBON	220		(DA2400ES: AEP, ECE, UK)
RV500	1-238-595-11	RES, ADJ, CARBON	220		(DA2400ES: AEP, ECE, UK)
RV570	1-238-595-11	RES, ADJ, CARBON	220		(DA2400ES: AEP, ECE, UK)
RV600	1-238-595-11	RES, ADJ, CARBON	220		(DA2400ES: AEP, ECE, UK)
RV670	1-238-595-11	RES, ADJ, CARBON	220		(DA2400ES: AEP, ECE, UK)
RV700	1-238-595-11	RES, ADJ, CARBON	220		(DA2400ES: AEP, ECE, UK)
< RELAY >					
RY401	1-755-267-11	RELAY (DG920)			
RY500	1-755-307-21	RELAY			
RY601	1-755-307-21	RELAY			
RY611	1-755-307-21	RELAY			
RY801	1-755-031-11	RELAY			
< TERMINAL BOARD >					
△ TM601	1-780-216-11	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT A/B) (DG920)			
△ TM602	1-780-404-11	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT A/B) (DA2400ES)			

Ref. No.	Part No.	Description	Remark		
		MIC BOARD *****			
		< CONNECTOR >			
CN718	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< EARTH TERMINAL >			
* ET791	1-537-738-21	TERMINAL, EARTH			
		< JACK >			
J701	1-820-056-21	SMALL TYPE JACK (3.5mm) (AUTO CAL MIC)			*****
	A-1441-455-A	MICON BOARD, COMPLETE (DG920)			
	A-1442-428-A	MICON BOARD, COMPLETE (DA2400ES: US)			
	A-1442-455-A	MICON BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)			*****
		< CAPACITOR >			
C8002	1-124-779-00	ELECT CHIP	10uF	20%	16V (DA2400ES: US/DG920)
C8003	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (DA2400ES: US/DG920)
C8004	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (DA2400ES: US/DG920)
C8005	1-126-193-11	ELECT CHIP	1uF	20%	50V
C8006	1-126-193-11	ELECT CHIP	1uF	20%	50V
C8007	1-126-193-11	ELECT CHIP	1uF	20%	50V
C8008	1-126-193-11	ELECT CHIP	1uF	20%	50V
C8009	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (DA2400ES: US/DG920)
C8010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C8011	1-164-733-11	CERAMIC CHIP	820PF	10%	50V (DA2400ES: US)
C8012	1-164-733-11	CERAMIC CHIP	820PF	10%	50V (DA2400ES: US)
C8013	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (DA2400ES: US/DG920)
C8014	1-128-994-21	ELECT CHIP	47uF	20%	10V
C8016	1-126-208-21	ELECT CHIP	47uF	20%	4V (DA2400ES: US)
C8017	1-126-208-21	ELECT CHIP	47uF	20%	4V (DA2400ES: US)
C8021	1-128-994-21	ELECT CHIP	47uF	20%	10V
C8023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DA2400ES: US/DG920)
C8024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DA2400ES: US/DG920)
C8026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DA2400ES: US/DG920)
C8027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C8028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C8029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DA2400ES: US/DG920)
C8030	1-128-994-21	ELECT CHIP	47uF	20%	10V
C8031	1-128-994-21	ELECT CHIP	47uF	20%	10V
C8034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DA2400ES: US/DG920)
C8035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (DA2400ES: US/DG920)
C8038	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V (DA2400ES: US/DG920)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C8039	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8093	1-162-923-11	CERAMIC CHIP	47PF 5% 50V (DA2400ES: US/DG920)
C8040	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8094	1-162-923-11	CERAMIC CHIP	47PF 5% 50V (DA2400ES: US/DG920)
C8041	1-162-908-11	CERAMIC CHIP	3PF 0.25PF 50V (DA2400ES: US/DG920)	C8095	1-162-923-11	CERAMIC CHIP	47PF 5% 50V (DA2400ES: US/DG920)
C8042	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8096	1-162-923-11	CERAMIC CHIP	47PF 5% 50V (DA2400ES: US/DG920)
C8043	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8101	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8044	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C8102	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (DA2400ES: US/DG920)
C8045	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8103	1-117-681-11	ELECT CHIP	100uF 20% 16V
C8046	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V (DA2400ES: US/DG920)	C8104	1-117-681-11	ELECT CHIP	100uF 20% 16V
C8049	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V (DA2400ES: US/DG920)	C8109	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (DA2400ES: US/DG920)
C8050	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8110	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8051	1-126-209-11	ELECT CHIP	100uF 20% 4V (DA2400ES: US/DG920)	C8111	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8052	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8112	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8053	1-117-681-11	ELECT CHIP	100uF 20% 16V	C8113	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8056	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V (DA2400ES: US/DG920)	C8114	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C8057	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8115	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C8062	1-117-681-11	ELECT CHIP	100uF 20% 16V (DA2400ES: US/DG920)	C8116	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8063	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8117	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8064	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V (DA2400ES: US/DG920)	C8118	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C8066	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8119	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8067	1-128-994-21	ELECT CHIP	47uF 20% 10V (DA2400ES: US/DG920)	C8120	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8068	1-124-779-00	ELECT CHIP	10uF 20% 16V (DA2400ES: US/DG920)	C8121	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8070	1-124-779-00	ELECT CHIP	10uF 20% 16V (DA2400ES: US/DG920)	C8122	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8071	1-124-779-00	ELECT CHIP	10uF 20% 16V (DA2400ES: US/DG920)	C8123	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C8072	1-162-969-11	CERAMIC CHIP	0.0068uF 10% 25V (DA2400ES: US/DG920)	C8124	1-126-209-11	ELECT CHIP	100uF 20% 4V
C8073	1-162-969-11	CERAMIC CHIP	0.0068uF 10% 25V (DA2400ES: US/DG920)	C8125	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8074	1-117-720-11	CERAMIC CHIP	4.7uF 10V (DA2400ES: US/DG920)	C8126	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C8075	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8127	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8076	1-162-963-11	CERAMIC CHIP	680PF 10% 50V (DA2400ES: US/DG920)	C8128	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C8077	1-162-963-11	CERAMIC CHIP	680PF 10% 50V (DA2400ES: US/DG920)	C8129	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8078	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8130	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8080	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US/DG920)	C8131	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8083	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C8132	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8085	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C8133	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C8086	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C8134	1-117-720-11	CERAMIC CHIP	4.7uF 10V
C8087	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C8135	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C8092	1-126-204-11	ELECT CHIP	47uF 20% 16V	C8136	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C8137	1-126-193-11	ELECT CHIP	1uF 20% 50V
				C8138	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C8139	1-124-779-00	ELECT CHIP	10uF 20% 16V
				C8140	1-126-209-11	ELECT CHIP	100uF 20% 4V
				C8141	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C8142	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C8143	1-117-681-11	ELECT CHIP	100uF 20% 16V
				C8144	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C8147	1-126-208-21	ELECT CHIP	47uF 20% 4V
				C8148	1-124-778-00	ELECT CHIP	22uF 20% 6.3V
				C8149	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C8150	1-117-720-11	CERAMIC CHIP	4.7uF 10V
				C8151	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US)
				C8152	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V (DA2400ES: US)
				C8153	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C8154	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
				C8155	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V

STR-DA2400ES/DG920

MICON

Ref. No.	Part No.	Description	Remark
C8156	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C8157	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C8158	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C8159	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C8160	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C8161	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C8162	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C8163	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C8164	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C8165	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C8166	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C8167	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C8168	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C8171	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
(DA2400ES: US/DG920)			
C8172	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
(DA2400ES: US/DG920)			
C8173	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C8174	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C8175	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
< CONNECTOR >			
CN2003	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P	
CN2004	1-779-281-11	CONNECTOR, FFC (LIF (NON-ZIF)) 13P	
(DA2400ES: US)			
CN2005	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P	
CN2006	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P	
CN2010	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P	
CN2013	1-785-125-21	CONNECTOR 6P	
CN2015	1-784-928-11	PIN, CONNECTOR 13P	
CN2016	1-784-926-11	PIN, CONNECTOR 11P	
CN2017	1-784-927-11	PIN, CONNECTOR 12P	
CN2021	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P	
CN2022	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P	
CN2023	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P	
CN2024	1-770-405-11	CONNECTOR, BOARD TO BOARD 8P	
CN8001	1-793-642-21	CONNECTOR (USB) (4P), SQUARE (XM)	
(DA2400ES: US/DG920)			
CN8002	1-821-182-11	SOCKET, DIN 8P (SIRIUS) (DA2400ES: US)	
CN8003	1-817-615-21	CONNECTOR, SQUARE TYPE (RECE) (DMPORT)	
CN8004	1-568-830-11	CONNECTOR, FFC 11P	
(DA2400ES: AEP, ECE, UK)			
CN8005	1-784-770-11	CONNECTOR, FFC 9P (DA2400ES: US/DG920)	
< DIODE >			
D8001	8-719-060-48	DIODE RB751V-40TE-17	
D8002	6-501-817-01	DIODE MA2J1110GLS0	
D8003	6-501-817-01	DIODE MA2J1110GLS0	
D8004	6-501-817-01	DIODE MA2J1110GLS0	
D8005	6-500-462-01	DIODE NSAD500F-T1B (DA2400ES: US/DG920)	
D8006	6-501-817-01	DIODE MA2J1110GLS0	
D8009	8-719-083-02	DIODE KDS160-RTK (DA2400ES: US/DG920)	
< FERRITE BEAD >			
FB8001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
(DA2400ES: US/DG920)			
FB8002	1-469-152-11	FERRITE, EMI (SMD) (2012)	
(DA2400ES: US/DG920)			
FB8003	1-414-813-11	FERRITE, EMI (SMD) (2012)	
(DA2400ES: US/DG920)			
FB8004	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB8005	1-469-152-11	FERRITE, EMI (SMD) (2012)	

Ref. No.	Part No.	Description	Remark
FB8006	1-469-152-11	FERRITE, EMI (SMD) (2012) (DA2400ES: US)	
FB8007	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB8008	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB8009	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB8010	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB8011	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB8012	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB8013	1-469-152-11	FERRITE, EMI (SMD) (2012) (DA2400ES: US)	
FB8014	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB8015	1-469-152-11	FERRITE, EMI (SMD) (2012)	
< IC >			
IC8001	6-705-469-01	IC BA50BC0FP-E2	
IC8002	8-759-710-97	IC NJM4565M-D	
IC8003	6-709-251-01	IC F2602E-01-TR (DA2400ES: US/DG920)	
IC8004	6-702-302-01	IC TK11133CSCL-G (DA2400ES: US/DG920)	
IC8005	6-707-111-01	IC PCM1753DBQR (DA2400ES: US/DG920)	
IC8006	6-706-740-01	IC BA00BC0WFP-E2 (DA2400ES: US/DG920)	
IC8007	6-705-337-01	IC TK11150CSCL-G (DA2400ES: US/DG920)	
IC8008	8-759-710-97	IC NJM4565M-D (DA2400ES: US/DG920)	
IC8011	6-709-800-01	IC TA7809AF- (T6L1SONQ	
IC8013	6-703-518-01	IC BD3842FS-FD2	
IC8014	A-1557-301-A	IC MB91F467RAPMC-GE1 (for SERVICE)	(DG920)
IC8014	A-1557-664-A	IC MB91F467RAPMC-GE1 (for SERVICE)	(DA2400ES)
IC8015	8-759-058-62	IC TC7S08FU (TE85R)	
IC8016	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC8017	8-759-277-63	IC TC7W14FU (TE12R)	
IC8018	(Not supplied)	IC S-24CS64A01-J8T1G	
IC8019	6-705-468-01	IC BA33BC0FP-E2	
IC8020	8-759-277-63	IC TC7W14FU (TE12R)	
IC8022	8-759-238-47	IC TC74HCT7007AF (EL)	
IC8023	6-706-487-01	IC TC7SH08FU (T5RSOYJF) (DA2400ES: US)	
IC8024	6-706-478-01	IC TC7SET08FU (T5RSOJF) (DA2400ES: US)	
< COIL >			
L8001	1-469-525-91	INDUCTOR 10uH	
L8002	1-469-525-91	INDUCTOR 10uH	
< TRANSISTOR >			
Q8001	8-729-027-43	TRANSISTOR DTC114EKA-T146	(DA2400ES: US/DG920)
Q8002	8-729-027-23	TRANSISTOR DTA114EKA-T146	(DA2400ES: US/DG920)
Q8003	8-729-027-43	TRANSISTOR DTC114EKA-T146	(DA2400ES: US/DG920)
Q8004	6-550-044-01	TRANSISTOR 2SB1689-T106	(DA2400ES: US/DG920)
Q8005	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	
Q8006	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q8007	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q8008	8-729-027-43	TRANSISTOR DTC114EKA-T146	
< RESISTOR >			
R8009	1-216-833-11	METAL CHIP 10K 5% 1/10W	(DA2400ES: US/DG920)
R8010	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R8014	1-216-864-11	SHORT CHIP 0 (DA2400ES: US/DG920)	
R8015	1-216-864-11	SHORT CHIP 0 (DA2400ES: US/DG920)	
R8024	1-219-365-11	SHORT CHIP 0 (DA2400ES: US/DG920)	

Note: IC8018 cannot exchange with single. When IC8018 is damaged, exchange the entire mounted board.

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R8032	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)	R8095	1-216-805-11	METAL CHIP	47	5%	1/10W
R8034	1-216-821-11	METAL CHIP	1K	5%	1/10W (DA2400ES: US/DG920)	R8096	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8035	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)	R8097	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8036	1-216-821-11	METAL CHIP	1K	5%	1/10W (DA2400ES: US/DG920)	R8098	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8039	1-216-821-11	METAL CHIP	1K	5%	1/10W (DA2400ES: US/DG920)	R8099	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8040	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)	R8100	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8041	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (DA2400ES: US/DG920)	R8101	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8042	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: AEP, ECE, UK)	R8102	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8044	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: AEP, ECE, UK)	R8103	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8046	1-216-809-11	METAL CHIP	100	5%	1/10W	R8104	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8048	1-216-809-11	METAL CHIP	100	5%	1/10W	R8105	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8050	1-216-809-11	METAL CHIP	100	5%	1/10W	R8106	1-216-813-11	METAL CHIP	220	5%	1/10W (DA2400ES: US/DG920)
R8052	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)	R8107	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)
R8053	1-216-809-11	METAL CHIP	100	5%	1/10W	R8108	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)
R8055	1-216-809-11	METAL CHIP	100	5%	1/10W	R8109	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)
R8057	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)	R8110	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8068	1-216-833-11	METAL CHIP	10K	5%	1/10W (DA2400ES: US/DG920)	R8111	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8070	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)	R8112	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US)
R8071	1-216-833-11	METAL CHIP	10K	5%	1/10W (DA2400ES: US/DG920)	R8113	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US)
R8073	1-218-344-11	METAL CHIP	7.5K	5%	1/10W (DA2400ES: US/DG920)	R8116	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R8074	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (DA2400ES: US/DG920)	R8117	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R8077	1-216-833-11	METAL CHIP	10K	5%	1/10W (DA2400ES: US/DG920)	R8118	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R8078	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA2400ES: US/DG920)	R8119	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R8079	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA2400ES: US/DG920)	R8120	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R8080	1-216-834-11	METAL CHIP	12K	5%	1/10W (DA2400ES: US/DG920)	R8121	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R8081	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (DA2400ES: US/DG920)	R8122	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R8082	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (DA2400ES: US/DG920)	R8123	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R8083	1-216-834-11	METAL CHIP	12K	5%	1/10W (DA2400ES: US/DG920)	R8124	1-216-864-11	SHORT CHIP	0		
R8084	1-216-819-11	METAL CHIP	680	5%	1/10W (DA2400ES: US/DG920)	R8125	1-216-864-11	SHORT CHIP	0		
R8085	1-216-819-11	METAL CHIP	680	5%	1/10W (DA2400ES: US/DG920)	R8126	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8086	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)	R8127	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US)
R8087	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US/DG920)	R8128	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8092	1-216-805-11	METAL CHIP	47	5%	1/10W (DA2400ES: US/DG920)	R8129	1-216-837-11	METAL CHIP	22K	5%	1/10W
R8093	1-216-805-11	METAL CHIP	47	5%	1/10W (DA2400ES: US/DG920)	R8130	1-216-837-11	METAL CHIP	22K	5%	1/10W
R8094	1-216-805-11	METAL CHIP	47	5%	1/10W (DA2400ES: US)	R8131	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R8132	1-216-838-11	METAL CHIP	27K	5%	1/10W
						R8133	1-216-813-11	METAL CHIP	220	5%	1/10W
						R8134	1-216-809-11	METAL CHIP	100	5%	1/10W
						R8135	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
						R8136	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
						R8137	1-216-833-11	METAL CHIP	10K	5%	1/10W (DA2400ES: US/DG920)
						R8138	1-216-864-11	SHORT CHIP	0	(DA2400ES: AEP, ECE, UK)	
						R8139	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R8140	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US)
						R8141	1-216-809-11	METAL CHIP	100	5%	1/10W (DA2400ES: US)
						R8143	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R8144	1-216-817-11	METAL CHIP	470	5%	1/10W
						R8145	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R8146	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R8147	1-216-815-11	METAL CHIP	330	5%	1/10W
						R8148	1-216-809-11	METAL CHIP	100	5%	1/10W

MICON DIGITAL CONN

POWER SWITCH

PREOUT

STANDBY

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
CN2031	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P		△ R4053	1-249-393-91	CARBON 10 5%	1/4W F
CN2032	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P		R4054	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
CN2230	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P		R4055	1-216-833-11	METAL CHIP 10K 5%	1/10W
CN2231	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P					
CN2232	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P		△ R4056	1-249-393-91	CARBON 10 5%	1/4W F
*****				R4057	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
		POWER SWITCH BOARD		R4058	1-216-833-11	METAL CHIP 10K 5%	1/10W
		*****		△ R4059	1-249-393-91	CARBON 10 5%	1/4W F
		< CONNECTOR >		R4060	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
CN1	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P		R4061	1-216-833-11	METAL CHIP 10K 5%	1/10W
CN2	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P		△ R4062	1-249-393-91	CARBON 10 5%	1/4W F
		< SWITCH >		R4151	1-216-821-11	METAL CHIP 1K 5%	1/10W
△ SW1	1-786-377-11	SWITCH, POWER (POWER)		R4152	1-216-821-11	METAL CHIP 1K 5%	1/10W
*****				R4153	1-216-821-11	METAL CHIP 1K 5%	1/10W
		PREOUT BOARD (DA2400ES: AEP, ECE, UK)		R4154	1-216-821-11	METAL CHIP 1K 5%	1/10W
		*****		R4171	1-216-821-11	METAL CHIP 1K 5%	1/10W
		< CAPACITOR >		R4172	1-216-821-11	METAL CHIP 1K 5%	1/10W
C4051	1-100-597-91	CERAMIC CHIP 0.1uF 10% 25V		R4173	1-216-821-11	METAL CHIP 1K 5%	1/10W
C4052	1-100-597-91	CERAMIC CHIP 0.1uF 10% 25V		R4174	1-216-821-11	METAL CHIP 1K 5%	1/10W
C4053	1-100-597-91	CERAMIC CHIP 0.1uF 10% 25V				< RELAY >	
C4054	1-100-597-91	CERAMIC CHIP 0.1uF 10% 25V		RY4051	1-755-486-11	RELAY	
C4055	1-162-960-11	CERAMIC CHIP 220PF 10% 50V		RY4052	1-755-486-11	RELAY	
C4151	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		RY4053	1-755-486-11	RELAY	
C4152	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		RY4054	1-755-486-11	RELAY	
C4153	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		*****			
C4154	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		A-1441-438-A	STANDBY BOARD, COMPLETE		
C4171	1-162-927-11	CERAMIC CHIP 100PF 5% 50V			(DA2400ES: US/DG920)		
C4172	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		A-1442-081-A	STANDBY BOARD, COMPLETE		
C4173	1-162-927-11	CERAMIC CHIP 100PF 5% 50V			(DA2400ES: AEP, ECE, UK)		
C4174	1-162-927-11	CERAMIC CHIP 100PF 5% 50V			*****		
C4175	1-162-960-11	CERAMIC CHIP 220PF 10% 50V		7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		
		< CONNECTOR >			< CAPACITOR >		
CN452	1-779-799-11	PIN, CONNECTOR 9P		△ C01	1-113-925-51	CERAMIC 0.01uF 20% 250V	
CN453	1-564-509-11	PLUG, CONNECTOR 6P		C51	1-126-964-11	ELECT 10uF 20% 50V	
		< DIODE >		C52	1-112-093-11	ELECT 2200uF 20% 25V	
D4051	8-719-988-61	DIODE 1SS355TE-17		C53	1-112-093-11	ELECT 2200uF 20% 25V	
D4052	8-719-988-61	DIODE 1SS355TE-17		C54	1-162-962-11	CERAMIC CHIP 470PF 10% 50V	
D4053	8-719-988-61	DIODE 1SS355TE-17		C55	1-136-287-11	FILM 0.0047uF 5% 100V	
D4054	8-719-988-61	DIODE 1SS355TE-17		C56	1-137-465-11	MYLAR 0.056uF 5% 100V	
		< JACK >		C57	1-126-941-11	ELECT 470uF 20% 25V	
J4051	1-774-411-11	JACK, PIN 6P		C58	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
		(PRE OUT FRONT/SURROUND/SUR BACK)		△ C59	1-113-925-51	CERAMIC 0.01uF 20% 250V	
J4052	1-793-777-12	JACK, PIN 2P (PRE OUT CENTER/SUBWOOFER)				< CONNECTOR >	
		< TRANSISTOR >		* CN003	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P	
Q4051	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		CNP51	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
Q4052	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		CNP53	1-774-108-11	PIN, CONNECTOR (PC BOARD)	
Q4053	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		CNP54	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
Q4054	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF				< DIODE >	
		< RESISTOR >		D51	6-500-522-31	DIODE 10EDB40-TB5	
R4051	1-216-829-11	METAL CHIP 4.7K 5% 1/10W		D52	6-500-522-31	DIODE 10EDB40-TB5	
R4052	1-216-833-11	METAL CHIP 10K 5% 1/10W		D53	6-500-522-31	DIODE 10EDB40-TB5	
				D54	6-500-522-31	DIODE 10EDB40-TB5	
				D55	6-500-522-31	DIODE 10EDB40-TB5	
				D56	6-501-817-01	DIODE MA2J1110GLS0	
				D57	6-501-817-01	DIODE MA2J1110GLS0	
				D58	6-501-817-01	DIODE MA2J1110GLS0	
				D61	6-501-738-01	DIODE MAZ8062GMLS0	

STR-DA2400ES/DG920

STANDBY

SURR SPEAKER

Ref. No.	Part No.	Description	Remark
< EARTH TERMINAL >			
* EE51	1-537-738-21	TERMINAL, EARTH	
< FUSE HOLDER >			
FH01	1-533-233-11	FUSE HOLDER	
FH02	1-533-233-11	FUSE HOLDER	
< IC >			
IC51	8-759-450-47	IC BA05T	
< TRANSISTOR >			
Q51	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
Q52	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
Q53	8-729-027-52	TRANSISTOR	DTC124EKA-T146
Q54	8-729-140-97	TRANSISTOR	2SB734-34
Q55	8-729-027-52	TRANSISTOR	DTC124EKA-T146
< RESISTOR >			
△ R001	1-219-237-51	SOLID	3.3M 20% 1/2W F (DA2400ES: US/DG920)
R51	1-216-833-11	METAL CHIP	10K 5% 1/10W
R52	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R53	1-216-837-11	METAL CHIP	22K 5% 1/10W
R54	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R55	1-216-833-11	METAL CHIP	10K 5% 1/10W
R58	1-259-179-31	CARBON	3.3K 5% 1/4W
R59	1-216-833-11	METAL CHIP	10K 5% 1/10W
△ R60	1-249-389-91	CARBON	4.7 5% 1/4W F
R61	1-216-819-11	METAL CHIP	680 5% 1/10W
< RELAY >			
△ RY01	1-755-266-11	RELAY, AC POWER	
< TRANSFORMER >			
△ T002	1-445-213-11	TRANSFORMER, POWER	(DA2400ES: AEP, ECE, UK)
△ T003	1-445-212-11	TRANSFORMER, POWER	(DA2400ES: US/DG920)
< THERMISTOR >			
TH50	1-804-046-11	THERMISTOR, POSITIVE (RXE030)	(DA2400ES: AEP, ECE, UK)

	A-1441-449-A	SURR SPEAKER BOARD, COMPLETE (DG920)	
	A-1442-425-A	SURR SPEAKER BOARD, COMPLETE (DA2400ES: US)	
	A-1442-453-A	SURR SPEAKER BOARD, COMPLETE (DA2400ES: AEP, ECE, UK)	

< CAPACITOR >			
C1501	1-136-157-00	FILM	0.022uF 5% 50V
C1502	1-136-157-00	FILM	0.022uF 5% 50V
C1503	1-136-157-00	FILM	0.022uF 5% 50V
C1504	1-136-157-00	FILM	0.022uF 5% 50V
C1505	1-136-157-00	FILM	0.022uF 5% 50V
C1506	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (DA2400ES: AEP, ECE, UK)

Ref. No.	Part No.	Description	Remark
C1507	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (DA2400ES: AEP, ECE, UK)
C1508	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (DA2400ES: AEP, ECE, UK)
C1509	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (DA2400ES: AEP, ECE, UK)
C1526	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V (DA2400ES: AEP, ECE, UK)
C1527	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V (DA2400ES: AEP, ECE, UK)
C1528	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V (DA2400ES: AEP, ECE, UK)
C1529	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V (DA2400ES: AEP, ECE, UK)
C1530	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V (DA2400ES: AEP, ECE, UK)
C1551	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (DA2400ES: AEP, ECE, UK)
< CONNECTOR >			
CN1501	1-784-922-11	PIN, CONNECTOR 5P	
* CN1502	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P	
* CN1503	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P	
< DIODE >			
D1501	6-501-817-01	DIODE MA2J1110GLS0	
D1502	6-501-817-01	DIODE MA2J1110GLS0	
D1503	6-501-817-01	DIODE MA2J1110GLS0	
< COIL >			
L1501	1-420-872-52	COIL, AIR-CORE	
L1502	1-420-872-52	COIL, AIR-CORE	
L1503	1-420-872-52	COIL, AIR-CORE	
L1504	1-420-872-52	COIL, AIR-CORE	
L1505	1-420-872-52	COIL, AIR-CORE	
< TRANSISTOR >			
Q1501	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
Q1502	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
Q1503	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
< RESISTOR >			
△ R1501	1-249-393-91	CARBON	10 5% 1/4W F
△ R1502	1-249-393-91	CARBON	10 5% 1/4W F
△ R1503	1-249-393-91	CARBON	10 5% 1/4W F
△ R1504	1-249-393-91	CARBON	10 5% 1/4W F
△ R1505	1-249-393-91	CARBON	10 5% 1/4W F
△ R1506	1-249-397-91	CARBON	22 5% 1/4W F
R1507	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R1508	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1509	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R1510	1-216-833-11	METAL CHIP	10K 5% 1/10W
△ R1511	1-249-397-91	CARBON	22 5% 1/4W F
R1512	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R1513	1-216-833-11	METAL CHIP	10K 5% 1/10W
△ R1514	1-249-397-91	CARBON	22 5% 1/4W F
△ R1515	1-249-389-91	CARBON	4.7 5% 1/4W F
△ R1516	1-249-389-91	CARBON	4.7 5% 1/4W F
△ R1517	1-249-389-91	CARBON	4.7 5% 1/4W F
△ R1518	1-249-389-91	CARBON	4.7 5% 1/4W F
△ R1519	1-249-389-91	CARBON	4.7 5% 1/4W F
△ R1526	1-249-393-91	CARBON	10 5% 1/4W F (DA2400ES: AEP, ECE, UK)

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
△ R1527	1-249-393-91	CARBON	10	5%	1/4W	F	C6253	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
△ R1528	1-249-393-91	CARBON	10	5%	1/4W	F	C6254	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
△ R1529	1-249-393-91	CARBON	10	5%	1/4W	F	C6304	1-126-964-11	ELECT	10uF	20%	50V	
△ R1530	1-249-393-91	CARBON	10	5%	1/4W	F	C6305	1-126-964-11	ELECT	10uF	20%	50V	
							C6306	1-126-964-11	ELECT	10uF	20%	50V	
							C6307	1-126-964-11	ELECT	10uF	20%	50V	
		< RELAY >					C6309	1-126-964-11	ELECT	10uF	20%	50V	
							C6311	1-126-964-11	ELECT	10uF	20%	50V	
							C6315	1-126-964-11	ELECT	10uF	20%	50V	
							C6316	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C6318	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6319	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6320	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6323	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C6324	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C6325	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C6326	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C6327	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C6328	1-126-947-11	ELECT	47uF	20%	35V	
							C6329	1-126-947-11	ELECT	47uF	20%	35V	
							C6501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6504	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	
							C6505	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	
							C6507	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
							C6510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6513	1-126-964-11	ELECT	10uF	20%	50V	
							C6514	1-126-964-11	ELECT	10uF	20%	50V	
							C6515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6517	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
							C6518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C6520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
									< CONNECTOR >				
							CN6203	1-770-407-11	CONNECTOR, BOARD TO BOARD 12P				
							* CN6204	1-564-521-11	PLUG, CONNECTOR 6P				
							CN6501	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P				
									< DIODE >				
							D6003	6-501-817-01	DIODE MA2J1110GLS0				
							D6101	6-501-817-01	DIODE MA2J1110GLS0				
							D6102	6-501-817-01	DIODE MA2J1110GLS0				
							D6501	6-501-817-01	DIODE MA2J1110GLS0				
							D6502	6-501-817-01	DIODE MA2J1110GLS0				
									< IC >				
							IC6001	6-706-767-01	IC NJM2586AM				
							IC6101	8-759-822-05	IC LA7213				
							IC6102	8-759-822-05	IC LA7213				
							IC6104	6-706-767-01	IC NJM2586AM				
							IC6205	8-759-646-52	IC KIA7805API				
							IC6206	8-759-373-92	IC TA79005SB				
							IC6302	6-704-199-01	IC NJM2595M-TE2				
							IC6501	8-759-238-47	IC TC74HCT7007AF (EL)				
							IC6502	8-759-268-29	IC SN74HC595ANS				
							IC6503	8-759-268-29	IC SN74HC595ANS				
							IC6505	8-759-353-02	IC NJM2533M (TE2)				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
CN722	1-779-977-11	PIN, CONNECTOR 6P		Q674	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
CN728	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P		Q723	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
		< EARTH TERMINAL >		Q724	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
* ET702	1-537-738-21	TERMINAL, EARTH		△ T901	1-445-370-11	POWER TRANSFORMER (DA2400ES: US/DG920)	
* ET703	1-537-738-21	TERMINAL, EARTH		△ T901	1-445-372-11	POWER TRANSFORMER (DA2400ES: AEP, ECE, UK)	
		< IC >		*****			
IC706	8-759-710-97	IC NJM4565M-D		ACCESSORIES			
		< JACK >		*****			
J702	1-815-313-11	JACK (PHONES)		1-480-699-11	REMOTE COMMANDER (RM-AAU039) (SUB)	(DA2400ES)	
J703	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P (VIDEO 2 IN/POTABLE AV IN VIDEO/AUDIO)		1-501-374-12	ANTENNA, LOOP (AM loop antenna (aerial))		
		< RESISTOR >		1-501-807-12	ANTENNA (FM) (FM wire antenna (aerial))	(DA2400ES: AEP, ECE, UK)	
R763	1-216-821-11	METAL CHIP 1K 5% 1/10W		1-542-670-11	MEASUREMENT MIC (MONO)	(Optimizer microphone (ECM-AC2))	
R764	1-216-821-11	METAL CHIP 1K 5% 1/10W		1-793-184-23	CONNECTOR (F TYPE ADAPTOR)	(DA2400ES: US/DG920)	
R765	1-211-990-11	METAL CHIP 75 0.5% 1/10W		△ 1-824-964-13	CORD, POWER (DA2400ES: US)		
R768	1-216-841-11	METAL CHIP 47K 5% 1/10W		△ 1-831-474-11	CORD, POWER (DA2400ES: AEP, ECE)		
R769	1-216-841-11	METAL CHIP 47K 5% 1/10W		△ 1-833-794-11	CORD, POWER (DA2400ES: UK)		
R776	1-216-864-11	SHORT CHIP 0		3-289-200-12	INSTRUCTION MANUAL (ENGLISH) (DG920)		
R810	1-216-864-11	SHORT CHIP 0		3-289-200-22	INSTRUCTION MANUAL (FRENCH)	(DG920: CND)	
*****				3-289-200-32	INSTRUCTION MANUAL (SPANISH) (DG920: US)		
		MISCELLANEOUS		3-289-204-12	INSTRUCTION MANUAL (ENGLISH)	(DA2400ES: US)	
		*****		3-289-204-32	INSTRUCTION MANUAL (SPANISH)	(DA2400ES: US)	
5	1-828-589-11	WIRE (FLAT TYPE) (13 CORE) (DA2400ES: US)		3-289-204-41	INSTRUCTION MANUAL (ENGLISH)	(DA2400ES: AEP, ECE, UK)	
8	1-828-953-11	WIRE (FLAT TYPE) (9 CORE)		3-289-204-51	INSTRUCTION MANUAL (FRENCH)	(DA2400ES: AEP, ECE)	
		(DA2400ES: US/DG920)		3-289-204-61	INSTRUCTION MANUAL (SPANISH, GERMAN)	(DA2400ES: AEP, ECE)	
8	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)		3-289-204-71	INSTRUCTION MANUAL (DUTCH, SWEDISH)	(DA2400ES: AEP, ECE)	
		(DA2400ES: AEP, ECE, UK)		3-289-204-81	INSTRUCTION MANUAL (ITALIAN, POLISH)	(DA2400ES: AEP, ECE)	
9	1-693-728-11	TUNER (FM/AM) (DA2400ES: US/DG920)		3-289-205-11	INSTRUCTION MANUAL (DANISH, FINNISH)	(DA2400ES: AEP, ECE)	
9	1-693-737-11	TUNER (FM/AM) (DA2400ES: AEP, ECE, UK)		3-289-205-21	INSTRUCTION MANUAL (PORTUGUESE)	(DA2400ES: AEP, ECE)	
154	1-500-386-11	FILTER, CLAMP (FERRITE CORE)		3-289-205-31	INSTRUCTION MANUAL (RUSSIAN)	(DA2400ES: AEP, ECE)	
206	1-500-386-11	FILTER, CLAMP (FERRITE CORE)		3-289-205-41	INSTRUCTION MANUAL (GREEK)	(DA2400ES: AEP, ECE)	
△ 207	1-821-082-21	INLET, AC 2P (～AC INLET) (DA2400ES)		3-289-205-51	INSTRUCTION MANUAL (TURKISH)	(DA2400ES: AEP, ECE)	
△ 212	1-783-820-11	CORD, POWER (DG920)		3-289-205-61	INSTRUCTION MANUAL (SLOVAKIAN)	(DA2400ES: AEP, ECE)	
△ F001	1-532-504-33	FUSE (T4AL/250V) (DA2400ES: AEP, ECE, UK)		3-289-205-71	INSTRUCTION MANUAL (HUNGARIAN, CZECH)	(DA2400ES: AEP, ECE)	
△ F001	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V)		A-1512-405-A	RM-AAP023 (Remote commander) (DG920)		
		(DA2400ES: US/DG920)		A-1512-409-A	RM-AAP024 (Remote commander (MAIN))	(DA2400ES: AEP, ECE, UK)	
△ F803	1-532-506-33	FUSE (T6.3AL/250V) (DA2400ES: US/DG920)		A-1512-413-A	RM-AAP025 (Remote commander (MAIN))	(DA2400ES: US)	
△ F803	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)					
		(DA2400ES: AEP, ECE, UK)					
△ F804	1-532-506-33	FUSE (T6.3AL/250V) (DA2400ES: US/DG920)					
△ F804	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)					
		(DA2400ES: AEP, ECE, UK)					
△ F810	1-532-504-33	FUSE (T4AL/250V)					
△ F811	1-532-504-33	FUSE (T4AL/250V)					
△ F1405	1-532-506-33	FUSE (T6.3AL/250V)					
Q423	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q424	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q473	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q474	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q523	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q524	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q573	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q574	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q623	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q624	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q673	6-702-390-01	TRANSISTOR MN2488-OPY-MK					

REVISION HISTORY

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