

STR-K680/K780

SERVICE MANUAL

Ver. 1.3 2006.08



AEP Model

UK Model

STR-K780

E Model

STR-K680/K780

Australian Model

STR-K780

- STR-K680 is the tuner and the amplifier section in HT-DDW680, STR-K780 is the tuner and the amplifier section in HT-DDW780/HTP-36DW.

Photo : STR-K780

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SPECIFICATIONS

Amplifier section

Power Output¹⁾

Models of area code SP, SP6

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾ : 70 W/ch

CENTER²⁾ : 70 W

SUR²⁾ : 70 W/ch

(6 ohms 1 kHz, THD 10%)

FRONT²⁾ : 100 W/ch

CENTER²⁾ : 100 W

SUR²⁾ : 100 W/ch

Models of area code AEP, UK, RU

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾ : 85 W/ch

CENTER²⁾ : 85 W

SUR²⁾ : 85 W/ch

(6 ohms 1 kHz, THD 10%)

FRONT²⁾ : 122 W/ch

CENTER²⁾ : 122 W

SUR²⁾ : 122 W/ch

Models of area code AUS

(6 ohms 120 Hz–20 kHz, THD 0.09%)

FRONT²⁾ : 50 W/ch

CENTER²⁾ : 50 W

SUR²⁾ : 50 W/ch

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾ : 85 W/ch

CENTER²⁾ : 85 W

SUR²⁾ : 85 W/ch

(6 ohms 1 kHz, THD 10%)

FRONT²⁾ : 122 W/ch

CENTER²⁾ : 122 W

SUR²⁾ : 122 W/ch

Models of area code E51, MX

Power Output¹⁾

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾ : 70 W/ch

CENTER²⁾ : 70 W

SUR²⁾ : 70 W/ch

(6 ohms 100 Hz, THD 0.7%)

SUB WOOFER²⁾ : 70 W

(6 ohms 1 kHz, THD 10%)

FRONT²⁾ : 100 W/ch

CENTER²⁾ : 100 W

SUR²⁾ : 100 W/ch

(6 ohms 100 Hz, THD 10%)

SUB WOOFER²⁾ : 100 W

Models of area code AR

Power Output¹⁾³⁾

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾ : 70 W/ch¹⁾, 65 W/ch³⁾

CENTER²⁾ : 70 W¹⁾, 65 W³⁾

SUR²⁾ : 70 W/ch¹⁾, 65 W/ch³⁾

(6 ohms 100 Hz, THD 0.7%)

SUB WOOFER²⁾ : 70 W¹⁾, 65 W³⁾

(6 ohms 1 kHz, THD 10%)

FRONT²⁾ : 100 W/ch¹⁾, 90 W/ch³⁾

CENTER²⁾ : 100 W¹⁾, 90 W³⁾

SUR²⁾ : 100 W/ch¹⁾, 90 W/ch³⁾

(6 ohms 100 Hz, THD 10%)

SUB WOOFER²⁾ : 100 W¹⁾, 90 W³⁾

¹⁾ Measured under the following conditions:

Area code	Power requirements
SP, SP6, AEP, UK, RU	230 V AC, 50 Hz
AR	230 V AC, 50 Hz
E51, AUS	240 V AC, 50 Hz
MX	127 V AC, 60 Hz

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

³⁾ Measured under the following conditions:

Area code	Power requirements
AR	220 V AC, 50 Hz

— Continued on next page —

MULTI CHANNEL AV RECEIVER

STR-K680/K780

Ver. 1.2

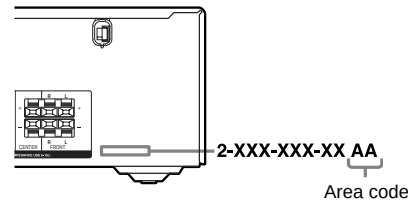
Inputs (Analog)	
SA-CD/CD, VIDEO 1, 2, DVD	Sensitivity: 800 mV Impedance: 50 kohms
Inputs (Digital)	
DVD (Coaxial)	Sensitivity: – Impedance: 75 ohms
VIDEO 1, 2 (Optical) (VIDEO 1 is only K780)	Sensitivity: – Impedance: –
Outputs (Analog)	
SUB WOOFER (only K780)	Voltage: 2 V Impedance: 1 kohm
Reproduction frequency range:	
28 – 20,000 Hz	
Tone	
Gain levels	±6 dB, 1 dB step

FM tuner section	
Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate Frequency	10.7 MHz

- Abbreviation
- AR : Argentina model
 - AUS : Australian model
 - E51 : Chilean and Peruvian models
 - MX : Mexican model
 - RU : Russian model
 - SP : Singapore model
 - SP6 : Singapore and Malaysia models

About area codes

The area code of the receiver you purchased is shown on the lower right portion of the rear panel (see the illustration below).



Any differences in operation, according to the area code, are clearly indicated in the text, for example, “Models of area code AA only”.

AM tuner section	
Tuning range	
Models of area code AEP, UK, RU, SP, SP6, A US	
With 9-kHz tuning scale:	
	531 - 1,602 kHz
Antenna	Loop antenna
Intermediate Frequency	450 kHz
Models of area code E51	
With 10-kHz tuning scale: 530 – 1,610 kHz ⁴⁾	
With 9-kHz tuning scale: 531 – 1,602 kHz ⁴⁾	
Models of are code AR, MX	
With 10-kHz tuning scale: 530 – 1,610 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 +, press I/⏻. 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 (only K780)	
Inputs/Outputs	
Video:	1 Vp-p, 75 ohms
COMPONENT VIDEO:	
Y:	1 Vp-p, 75 ohms
P _B /C _B /B-Y:	0.7 Vp-p, 75 ohms
P _R /C _R /R-Y:	0.7 Vp-p, 75 ohms
80 MHz HD Pass Through	

General	
Power requirements	
Area code	Power requirements
AEP, UK, RU	230 V AC, 50/60 Hz
AUS	240 V AC, 50 Hz
SP, SP6	230 – 240 V AC, 50/60 Hz
E51	120/220/240 V AC, 50/60 Hz
MX	127 V AC, 60 Hz
AR	220-230V AC, 50/60 Hz

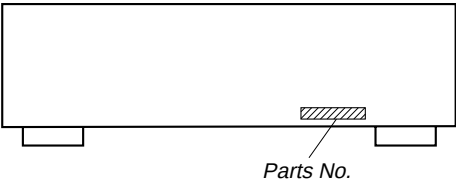
Power consumption	
Area code	Power consumption
AEP, UK, AUS, E51, MX, RU, AR	190 W
SP, SP6	170 W

Power consumption (during standby mode)	
0.2 W	
Dimensions (w/h/d) (Approx.)	
430 × 145 × 300 mm including projecting parts and controls	
Mass (Approx.)	
7.5 kg (K780) 7.8 kg (K680)	

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION

– Rear Panel –



Model	Part No.
E51 model	2-661-458-2□
AR model	2-661-458-3□
MX model	2-661-458-4□
AEP, UK, RU models	2-662-452-0□
SP, SP6 models	2-662-452-1□
AUS model	2-662-452-2□

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.

UNLEADED SOLDER

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

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

**LEAD FREE MARK**

Unleaded solder has the following characteristics.

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

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.

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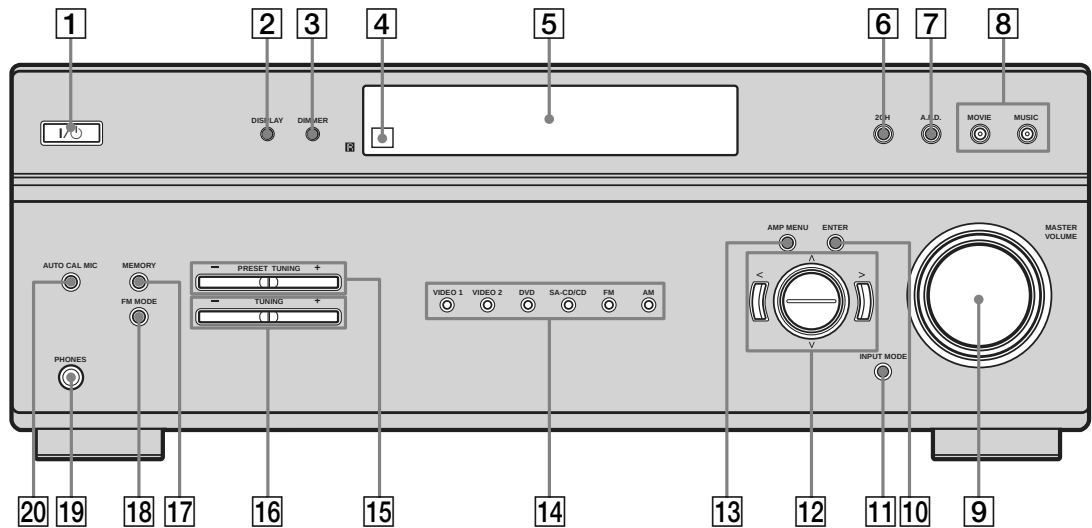
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SECTION 1
GENERAL

This section is extracted
from instruction manual.

Receiver

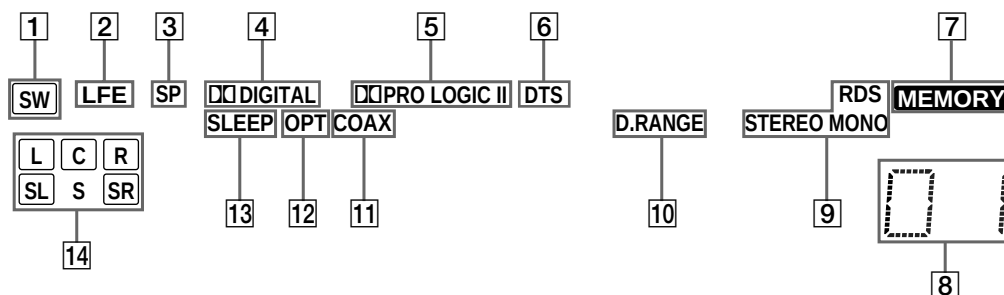
Front panel



Name	Function
1 I/O	Press to turn the receiver on or off.
2 DISPLAY	Press to select information displayed on the display.
3 DIMMER	Press to adjust the brightness of the display.
4 Remote sensor	Receives signals from remote commander.
5 Display	The current status of the selected component or a list of selectable items appears here.
6 2CH	Press to select 2CH STEREO mode.
7 A.F.D.	Press to select A.F.D. mode.
8 MOVIE, MUSIC	Press to select sound fields (MOVIE, MUSIC).
9 MASTER VOLUME	Turn to adjust the volume level of all speakers at the same time.
10 ENTER	Press to store a station or enter the selection when selecting the settings.

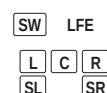
Name	Function
11 INPUT MODE	Press to select the input mode when the same components are connected to both digital and analog jacks.
12 </>I^/V	After pressing AMP MENU (13), press < or > and ^ or V to select the settings.
13 AMP MENU	Press to display the menu of the receiver.
14 Input buttons	Press one of the buttons to select the component you want to use.
15 PRESET TUNING +/-	Press to select a preset station.
16 TUNING +/-	Press to scan a station.
17 MEMORY	Press to store a station.
18 FM MODE	Press to select FM monaural or stereo reception.
19 PHONES jack	Connects to a headphone.
20 AUTO CAL MIC jack	Connects to the supplied ECM-AC2 optimizer microphone for the Auto Calibration function.

About the indicators on the display

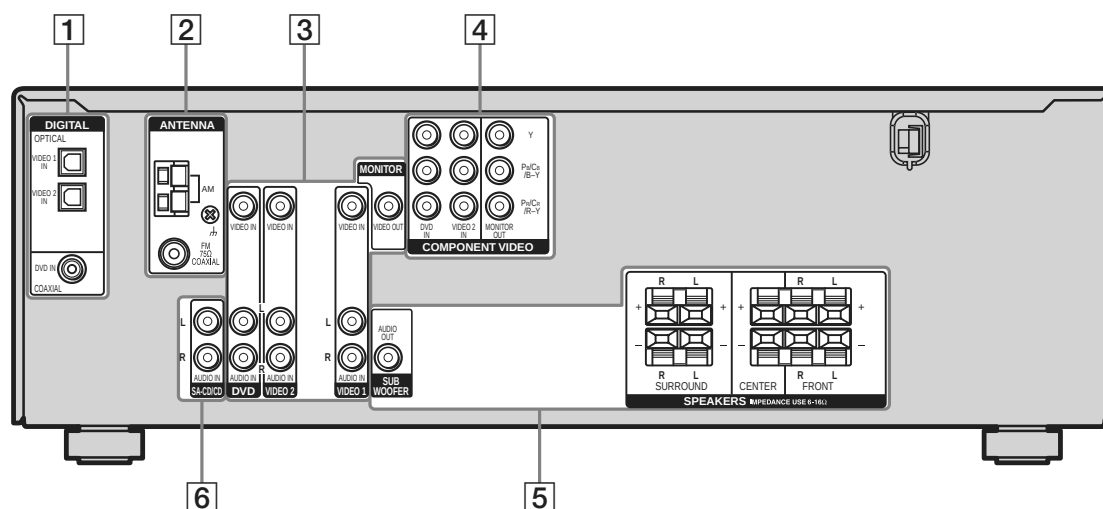


Name	Function
1 SW	Lights up when audio signal is output from the SUB WOOFER jack.
2 LFE	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 SP	Lights up when the receiver is turned on. This indicator does not light up if a headphone is connected to the PHONES jack.
4 DIGITAL	Lights up when Dolby Digital signals are input. Note When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG".
5 PRO LOGIC (II)	"PRO LOGIC" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "PRO LOGIC II" lights up when the Pro Logic II Movie/Music decoder is activated. Note Dolby Pro Logic and Dolby Pro Logic II decoding do not function for DTS format signals.
6 DTS	Lights up when DTS signals are input. Note When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG".
7 MEMORY	Lights up when a memory function, such as Name Input, Preset Memory, etc., is activated.

Name	Function
8 Preset station indicators	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations.
9 Tuner indicators	Lights up when using the receiver to tune in radio stations, etc. Note "RDS" appears for models of area code AEP, UK only.
10 D.RANGE	Lights up when dynamic range compression is activated.
11 COAX	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to "COAX IN".
12 OPT	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to "OPT IN".
13 SLEEP	Lights up when the Sleep Timer function is activated.
14 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. L R C SL SR S Front Left Front Right Center (monaural) Surround Left Surround Right Surround (monaural or the surround components obtained by Pro Logic processing) Example: Recording format (Front/Surround): Dolby Digital 3/2.1 Sound Field: A.F.D. AUTO



Rear panel STR-K780 model



1 DIGITAL INPUT section



OPTICAL
IN jack

Connects to a DVD player, etc. The COAXIAL jack provides a better quality of loud sound.



COAXIAL IN
jack

2 ANTENNA section



FM
ANTENNA

Connects to the FM wire antenna supplied with this receiver.



AM
ANTENNA

Connects to the AM loop antenna supplied with this receiver.

3 VIDEO/AUDIO INPUT/OUTPUT section



White (L) AUDIO IN/
OUT jack

Connects the video and audio jacks of a VCR or a DVD player.



Red (R)



Yellow VIDEO IN/
OUT jack*

4 COMPONENT VIDEO INPUT/OUTPUT section



Green

COMPONENT
VIDEO
INPUT/
OUTPUT
jack*

Connects to a DVD player, TV, or a satellite tuner. You can enjoy high quality image.

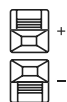


Blue



Red

5 SPEAKER section



Connects to the speakers.



Connects to the sub woofer.

6 AUDIO INPUT section



White (L)

AUDIO IN
jack

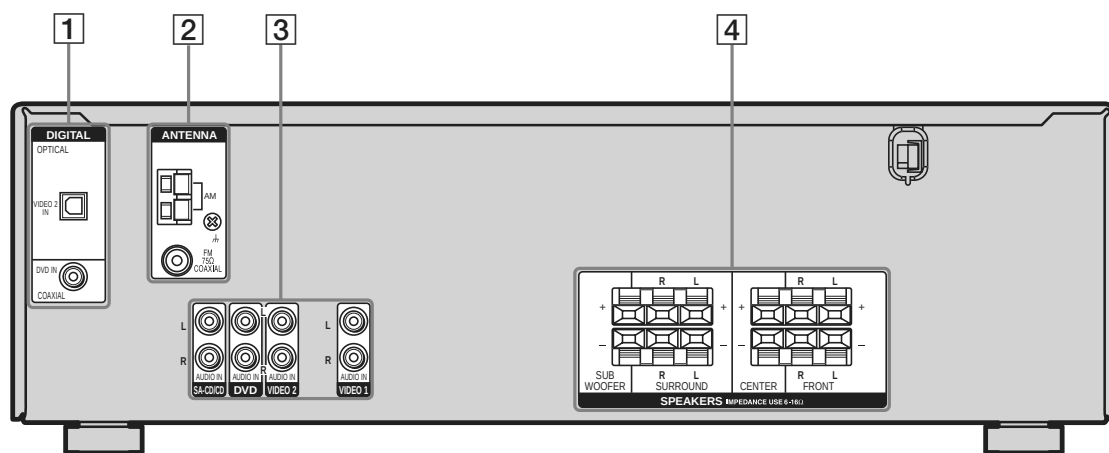
Connects to a CD player, etc.



Red (R)

* You can watch the selected input image when you connect the MONITOR OUT jack to a TV monitor.

Rear panel STR-K680 model



1 DIGITAL INPUT section



OPTICAL
IN jack

Connects to a DVD
player, etc. The
COAXIAL jack
provides a better
quality of loud
sound.



COAXIAL IN
jack

2 ANTENNA section



FM
ANTENNA

Connects to the
FM wire antenna
supplied with this
receiver.



AM
ANTENNA

Connects to the
AM loop antenna
supplied with this
receiver.

3 AUDIO INPUT section



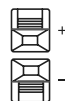
White (L) AUDIO IN
jack

Connects to a CD
player, etc.



Red (R)

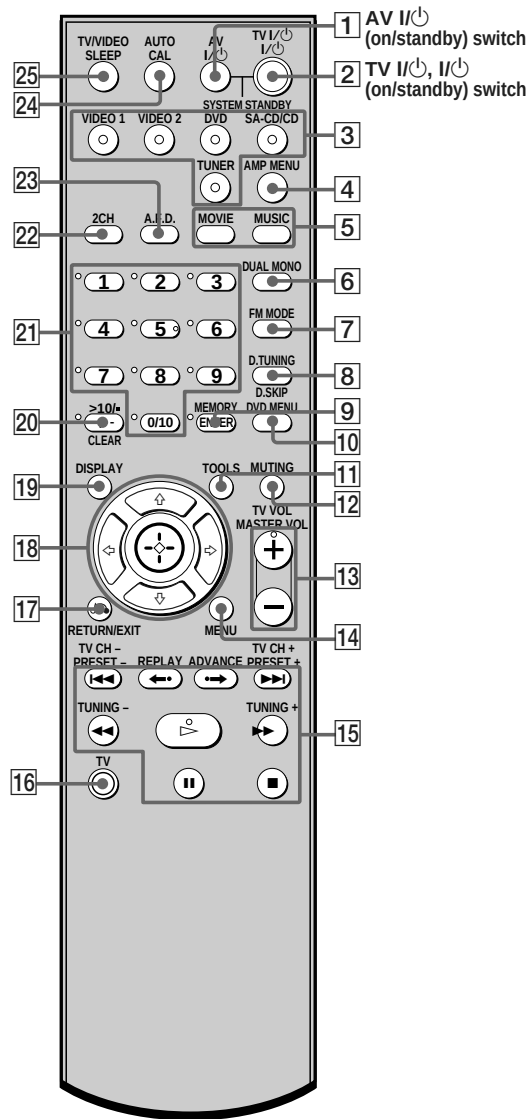
4 SPEAKER section



Connects to the
speakers and sub
woofer.

Remote commander

You can use the supplied remote RM-AAU006 to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate.



Name	Function												
1 AV I/II	Press to turn on or off the Sony audio/video components that the remote is assigned to operate. If you press I/II (2) at the same time, it will turn off the receiver and other components (SYSTEM STANDBY). Note The function of the AV I/II switch changes automatically each time you press the input buttons (3).												
2 TV I/II	Press TV I/II and TV (16) at the same time to turn the TV on or off.												
I/II	Press to turn the receiver on or off. To turn off all components, press I/II and AV I/II (1) at the same time (SYSTEM STANDBY).												
3 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 as follows. <table><tr><th>Button</th><th>Assigned Sony component</th></tr><tr><td>VIDEO 1</td><td>VCR (VTR mode 3)</td></tr><tr><td>VIDEO 2</td><td>VCR (VTR mode 2)</td></tr><tr><td>DVD</td><td>DVD player</td></tr><tr><td>SA-CD/CD</td><td>Super Audio CD/CD player</td></tr><tr><td>TUNER</td><td>Built-in tuner</td></tr></table>	Button	Assigned Sony component	VIDEO 1	VCR (VTR mode 3)	VIDEO 2	VCR (VTR mode 2)	DVD	DVD player	SA-CD/CD	Super Audio CD/CD player	TUNER	Built-in tuner
Button	Assigned Sony component												
VIDEO 1	VCR (VTR mode 3)												
VIDEO 2	VCR (VTR mode 2)												
DVD	DVD player												
SA-CD/CD	Super Audio CD/CD player												
TUNER	Built-in tuner												
4 AMP MENU	Press to display the menu of the receiver. Then, use the control buttons to perform menu operations.												
5 MOVIE, MUSIC	Press to select sound fields (MOVIE, MUSIC).												

Name	Function
6 DUAL MONO	Press to select the language you want during digital broadcast.
7 FM MODE	Press to select FM monaural or stereo reception.
8 D.TUNING	Press to enter direct tuning mode.
D.SKIP	Press to skip disc of the CD player or DVD player (multi-disc changer only).
9 ENTER	Press to enter the value after selecting a channel, disc or track using the numeric buttons.
MEMORY	Press to store a station.
10 DVD MENU	Press to display the menu of the DVD player on the TV screen. Then, use the control buttons to perform menu operations.
11 TOOLS	Press to display options applicable to the entire disc (e.g. disc protection), recorder (e.g. audio settings during recording), or multiple items on a list menu (e.g. erasing multiple titles).
12 MUTE	Press to mute the sound.
13 TV VOL +*/-	Press TV VOL +/- and TV (16) at the same time to adjust the TV volume level.
MASTER VOL +*/-	Press to adjust the volume level of all speakers at the same time.
14 MENU	Press to display the menus of the VCR, DVD player, or satellite tuner on the TV screen. Then, use the control buttons to perform menu operations.

Name	Function
15 	Press to skip tracks of the CD player, DVD player, or tape deck.
REPLAY  ADVANCE 	Press to replay the previous scene or fast forward the current scene of the VCR or DVD player.
	Press to – search tracks in the forward/backward direction of the DVD player. – fastforward/rewind of the VCR, CD player, or tape deck.
 *	Press to start playback of the VCR, CD player, DVD player, or tape deck.
	Press to pause playback or recording of the VCR, CD player, DVD player, or tape deck. (Also starts recording with components in recording standby.)
	Press to stop playback of the VCR, CD player, DVD player, or tape deck.
TV CH +/-	Press TV CH +/- and TV (16) at the same time to select preset TV channels.
PRESET +/-	Press to select – preset stations. – preset channels of the VCR or satellite tuner.
TUNING +/-	Press to scan a station.
16 TV	Press TV and the button you want at the same time to activate the buttons with orange printing.
17 RETURN/EXIT 	Press to – return to the previous menu. – exit the menu while the menu or on-screen guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.

Name	Function
18 Control buttons	After pressing AMP MENU (4), DVD MENU (10), or MENU (14), press the control button ▲ , ▼ , ◀ or ▶ to select the settings. When you press DVD MENU or MENU, press the control button to enter the selection.
19 DISPLAY	Press to select the information displayed on the TV screen of the VCR, satellite tuner, CD player or DVD player.
20 -/--	Press -/-- and TV (16) at the same time to select the channel entry mode, either one or two digits of the TV.
>10/-	Press to select – track numbers over 10 of the VCR, satellite tuner or CD player. – channel numbers of the Digital CATV terminal.
CLEAR	Press to – clear a mistake when you press the incorrect numeric buttons. – return to continuous playback, etc. of the satellite tuner or DVD player.
21 Numeric buttons (number 5*)	Press to – preset/tune to preset stations. – select track numbers of the CD player or DVD player. Press 0/10 to select track number 10. – select channel numbers of the VCR or satellite tuner. Press the numeric buttons and TV (16) at the same time to select the TV channels.
22 2CH	Press to select 2CH STEREO mode.
23 A.F.D.	Press to select A.F.D. mode.
24 AUTO CAL	Press to activate the Auto Calibration function.

Name	Function
25 TV/VIDEO	Press TV/VIDEO and TV (16) at the same time to select the input signal (TV input or video input).
SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.

* The number 5, MASTER VOL +, TV VOL +, and **▷** buttons have tactile dots. Use the tactile dots as references when operating the receiver.

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.

SECTION 2 TEST MODE

FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While depressing the **[PRESET TUNING -]** and the **[DIMMER]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power.
2. The message "FACTORY" appears and the present contents are reset to the default values.

AM CHANNEL STEP 9 kHz/10 kHz

SELECTION MODE

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

Procedure:

1. Set the FUNCTION to AM. Turn off the main power.
2. While depressing the **[TUNING +]** button, press the power **[I/⏻]** button to turn on the main power.
3. Either the message "9 k STEP" or "10 kSTEP" appears. Select the desired step.

FLUORESCENT INDICATOR TUBE TEST MODE

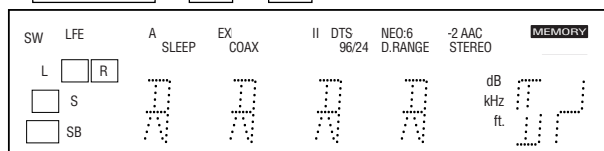
All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

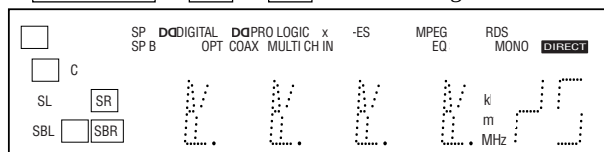
1. While depressing the **[PRESET TUNING -]** and the **[AM]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power.
2. All segments turn on.



3. Press either of the **[VIDEO1]** or **[VIDEO2]** or **[DVD]** or **[SA-CD/CD]** or **[FM]** or **[AM]** button.



4. Press either of the **[VIDEO1]** or **[VIDEO2]** or **[DVD]** or **[SA-CD/CD]** or **[FM]** or **[AM]** button once again.



5. Press either of the **[VIDEO1]** or **[VIDEO2]** or **[DVD]** or **[SA-CD/CD]** or **[FM]** or **[AM]** button once again. All segments turn off.

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 depressing the **[2CH]** button, press the power **[I/⏻]** button to turn on the main power.
2. The message "SF. CLR." appears and initialization is performed.

SOFTWARE VERSION DISPLAY MODE

The software version is displayed.

Procedure:

1. While depressing the **[PRESET TUNING -]** and the **[<]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power.
2. The model name, destination and the software version are displayed.

KEY CHECK MODE

Button check

Procedure:

1. While depressing the **[<]** and the **[A.F.D.]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power. "REST 25" appears.
2. Every pressing of any button other than **[I/⏻]** counts down the buttons. The buttons which are already counted once are not counted again.
3. When all buttons are pressed "REST 00" appears.

SHIPMENT MODE

All preset contents are reset to the default setting.

Procedure:

1. While depressing the **[AM]** and the **[A.F.D.]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power.
2. "CLEARED" appears and switch off the set.

PROTECTOR

Procedure:

1. While depressing the **[PRESET TUNING -]** and the **[2CH]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power.
2. "PROT. EVER" appears and switch off the set.

DECODE AUTO ALL

Procedure:

1. While depressing the **[PRESET TUNING -]** and the **[+]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power.
2. "DEC. TEST" appears and switch off the set.

VACS CONTROL

Procedure:

1. While depressing the **[<]** and the **[DIMMER]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power.
2. "VACS OFF" appears. (8 second)

SWAP ALL MODE

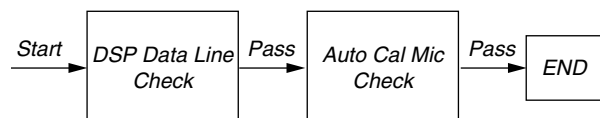
Procedure:

1. While depressing the **PRESET TUNING -** and the **A.F.D.** buttons simultaneously, press the power **I/O** button to turn on the main power.
2. "SWP.ALL" appears. (No change while displayed.)

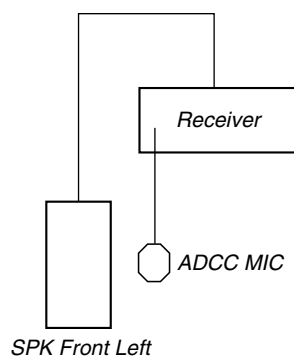
ADCC FACTORY TEST MODE

ADCC Factory Test mode have two stages:

1. ADCC DSP Data Line Checking
2. ADCC AUTO CAL MIC board Checking



Factory Test System Setup



1. When power off :
Press the three buttons **<** + **DISPLAY** + **I/O** .
(If it doesn't operate, please press **DISPLAY** again after 2 seconds.)
Afterward, press the **DIMMER** to start DCAC factory test mode.

1. ADCC DSP Data Line Checking

After press the **DIMMER** , DCAC Factory test mode will start, below display will show:

"DCAC□□□x" x = 1, 2, 3

If there is error happen, below display will show:

"ERR□SD0x" x = 1 → D1112 or R1198 problem
 x = 2 → D1113 problem
 x = 3 → D1114 problem

2. ADCC AUTO CAL MIC board Checking

Connect front left speaker of the receiver and AUTO CAL microphone. Turn **MASTER VOLUME** jog, there will be test tone sound output from front left speaker, and the display will change accordingly.

"AD□-□xxx" xxx = 0 to 255 (depends on loudness of test tone)

SECTION 3
DIAGRAMS

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

For 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.
 - % : indicates tolerance.
 - Δ : internal component.
 -  : nonflammable resistor.
 -  : fusible resistor.
 -  : panel designation.

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

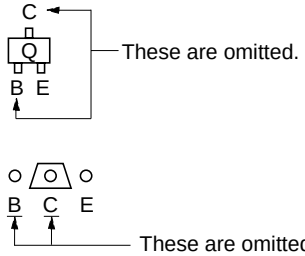
-  : B+ Line.
-  : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
No mark : FM
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 -  : FM
 -  : ANALOG
 -  : DIGITAL
 -  : VIDEO
- Abbreviation
 - AR : Argentina model
 - AUS : Australian model
 - E51 : Chilean and Peruvian models
 - MX : Mexican Model
 - RU : Russian model
 - SP : Singapore model
 - SP6 : Singapore and Malaysia models

For Printed Wiring Boards.

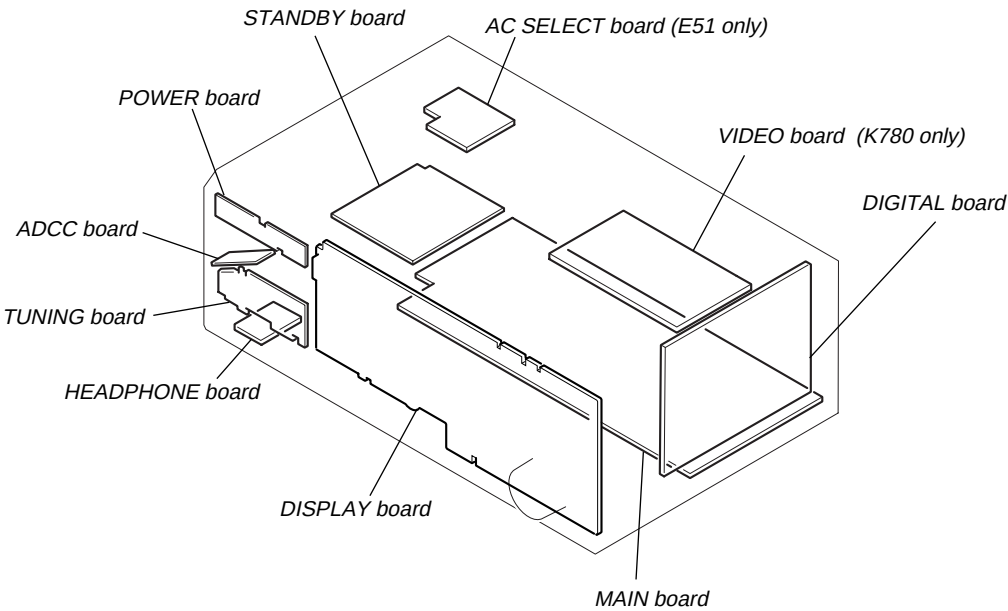
- Note:**
-  : parts extracted from the component side.
 -  : Through hole.
 - Δ : internal component.
 -  : Pattern from the side which enables seeing.

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.

- Indication of transistor.

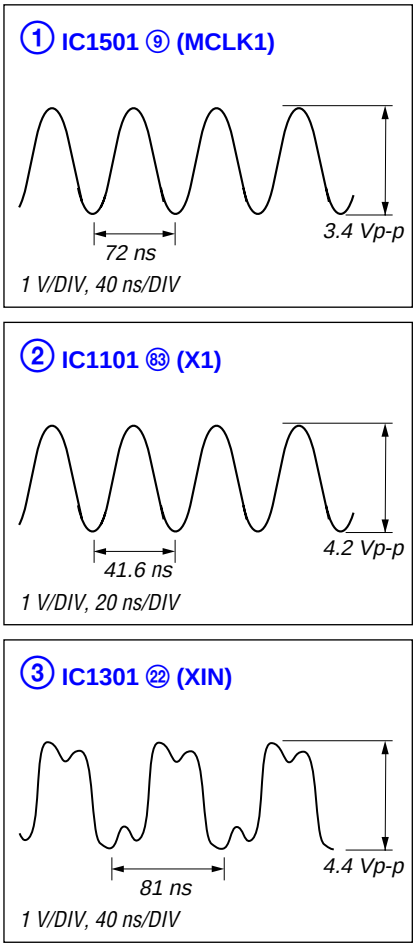


• Circuit Boards Location



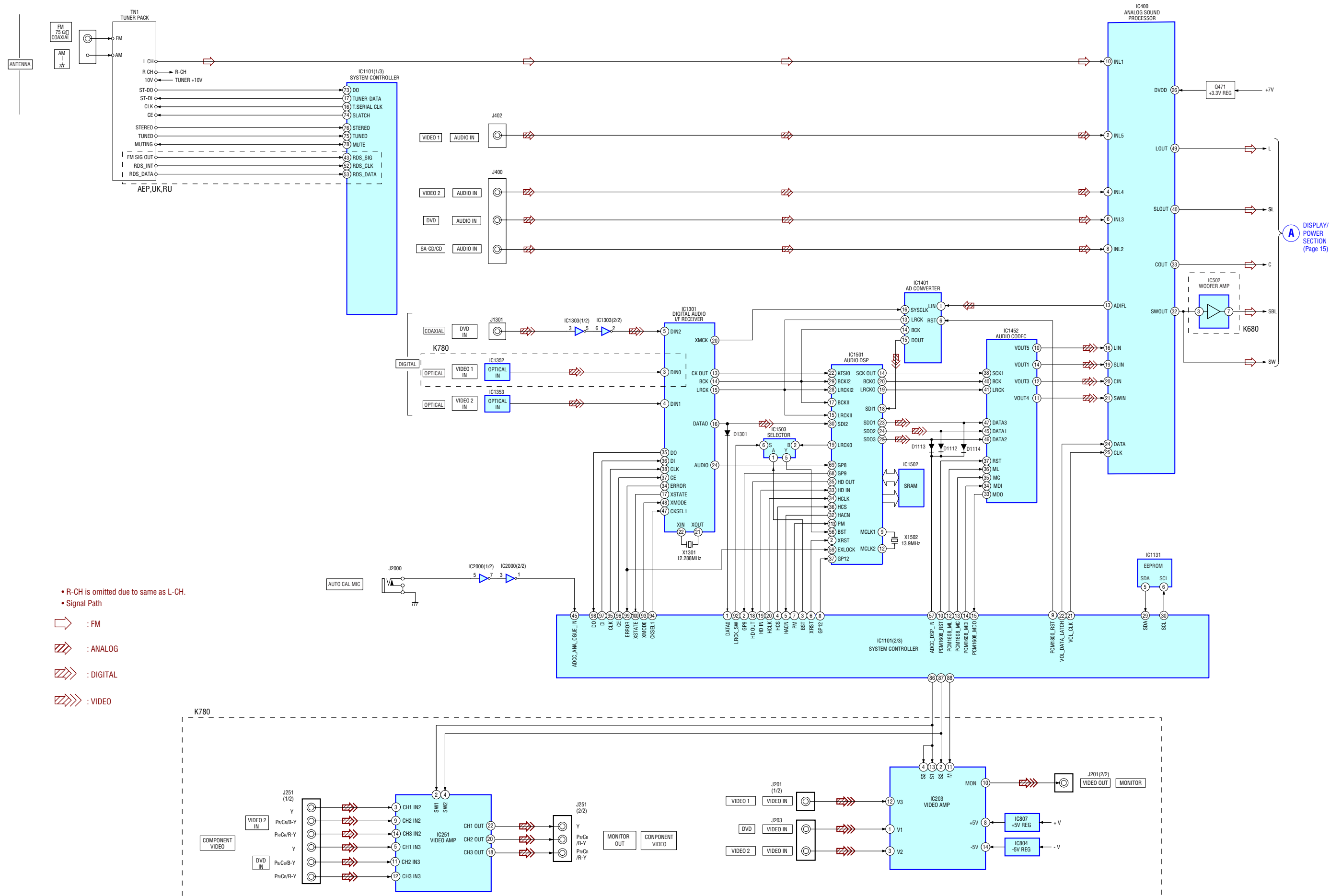
• Waveforms

– DIGITAL Board –

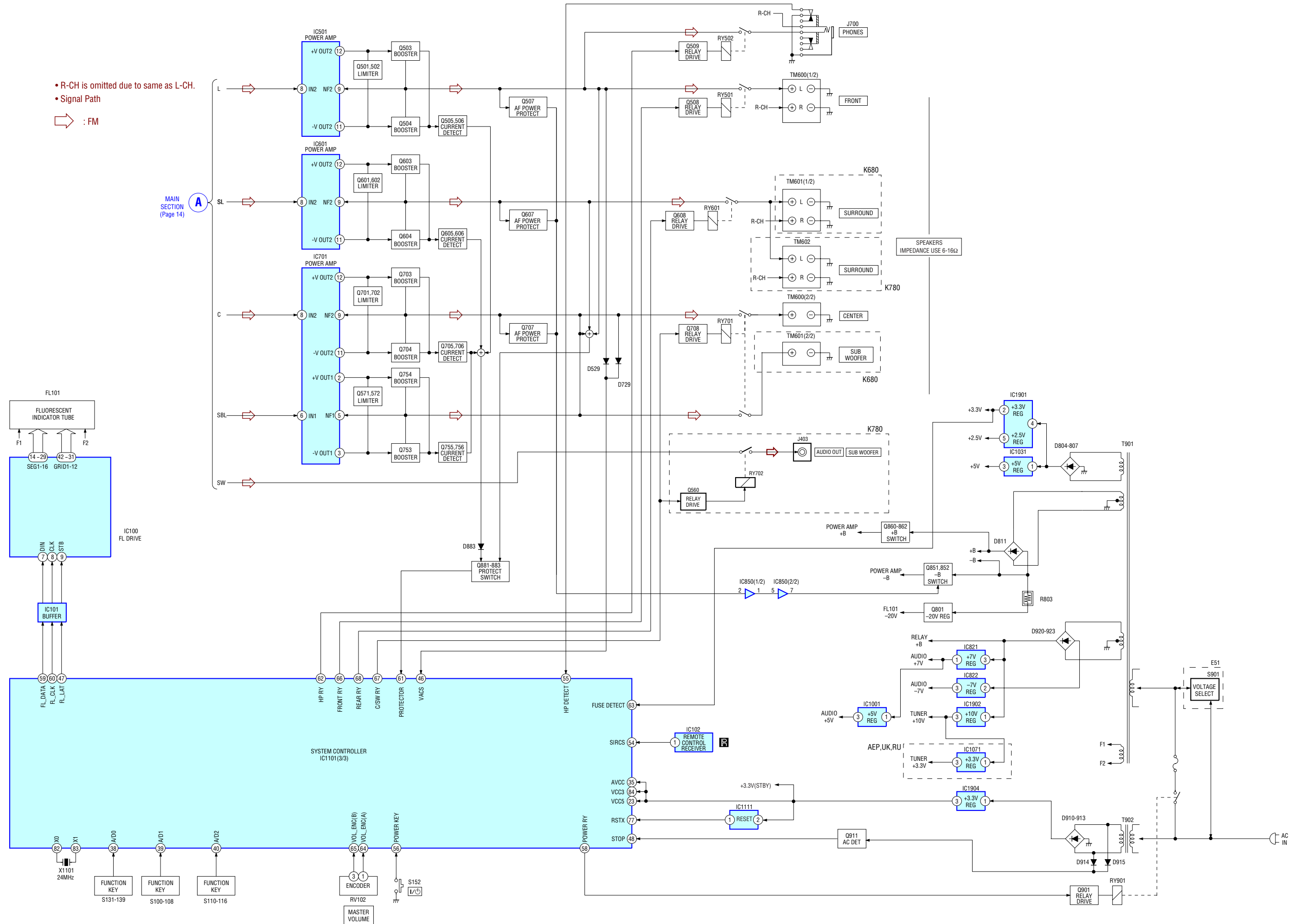


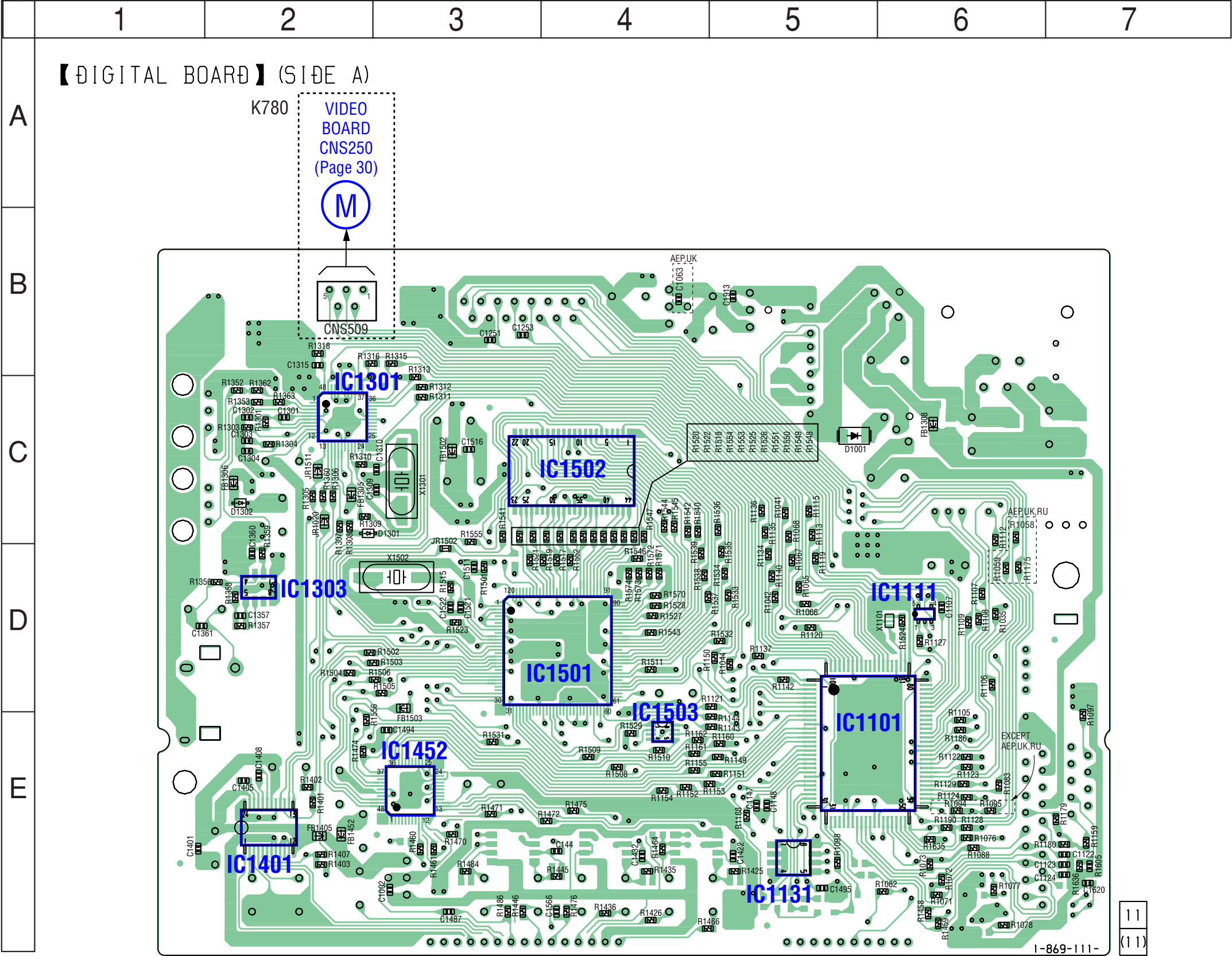
Ver. 1.1

3-1. BLOCK DIAGRAM – MAIN SECTION –



3-2. BLOCK DIAGRAM – DISPLAY/POWER SECTION –

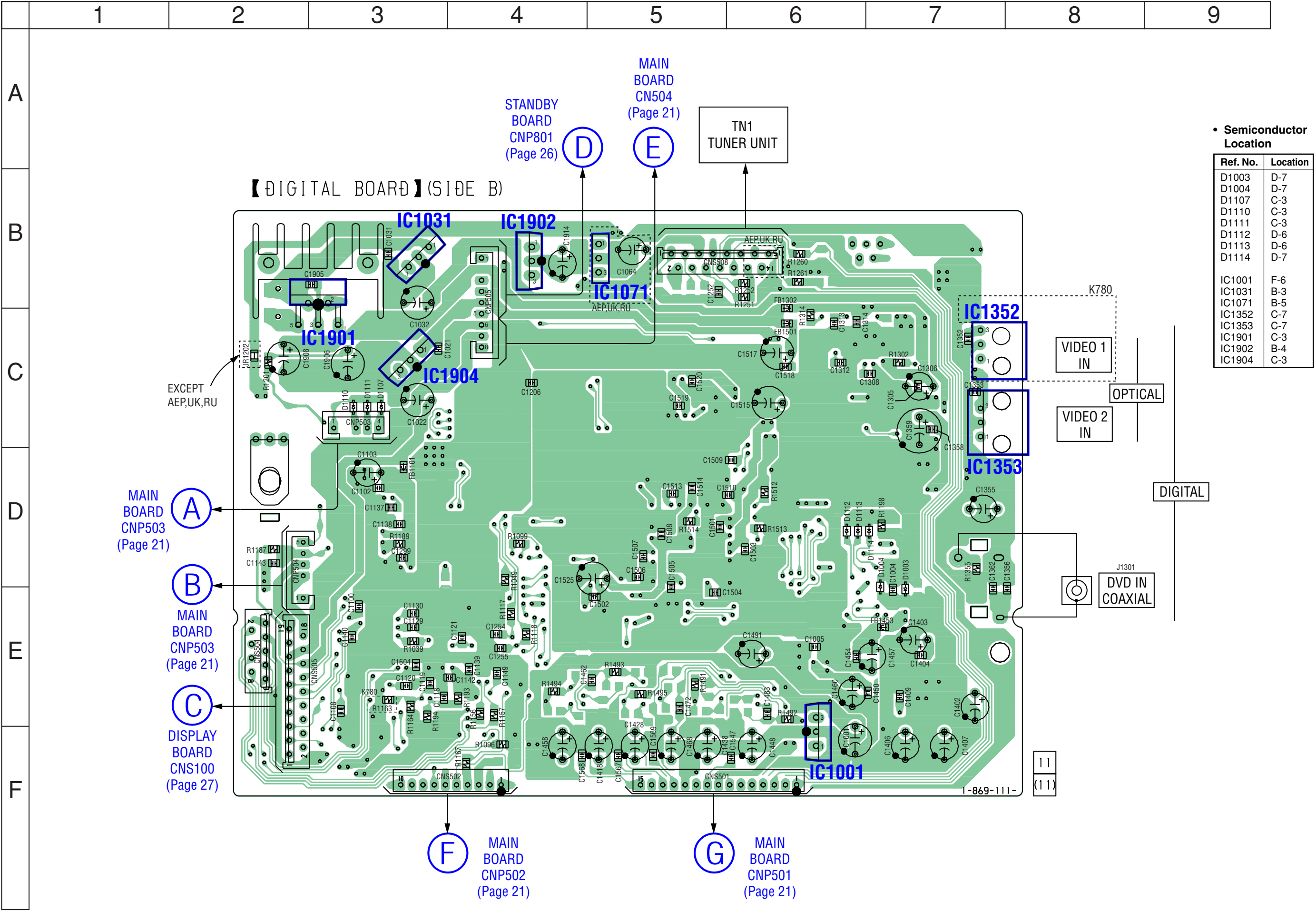


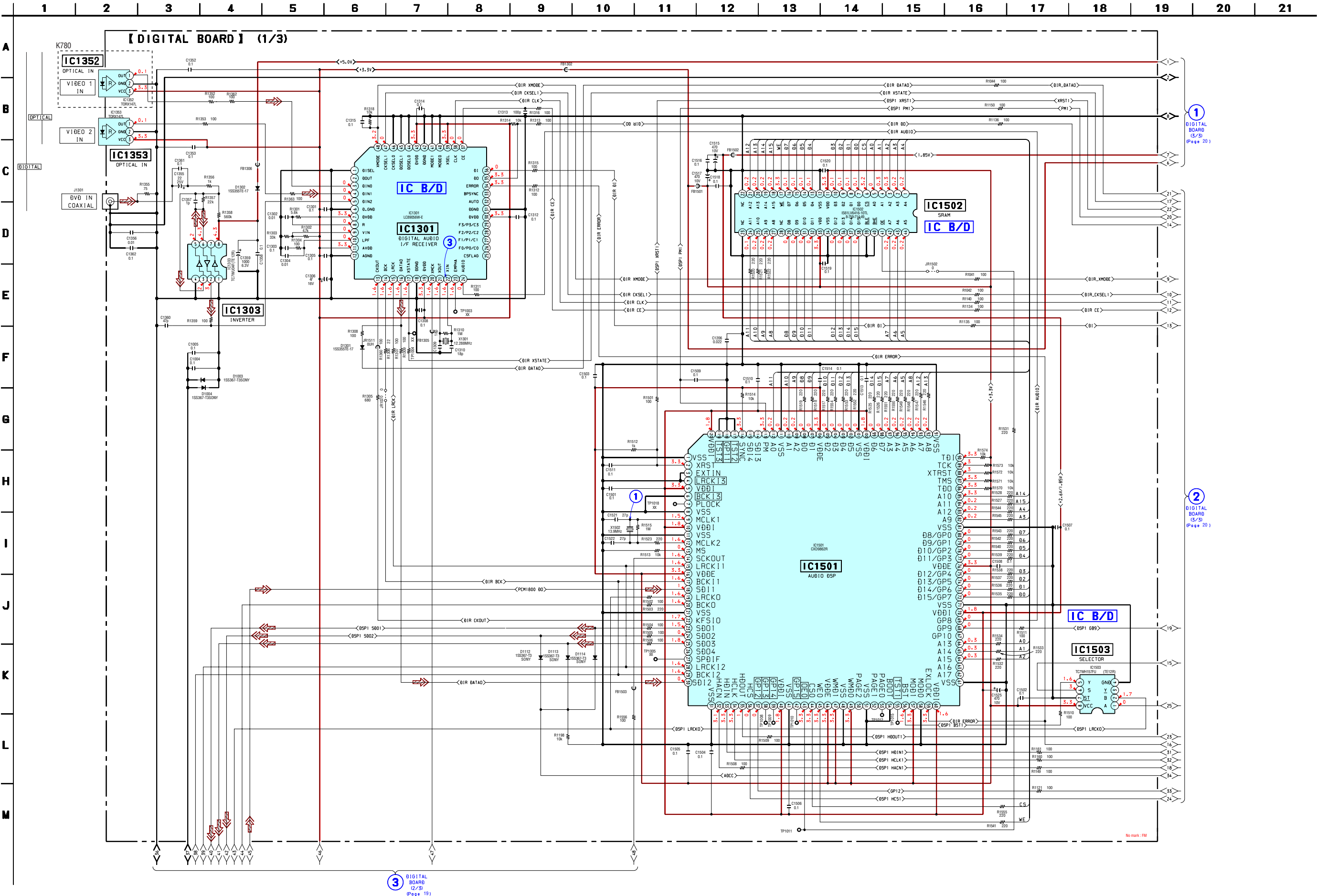


• Semiconductor Location

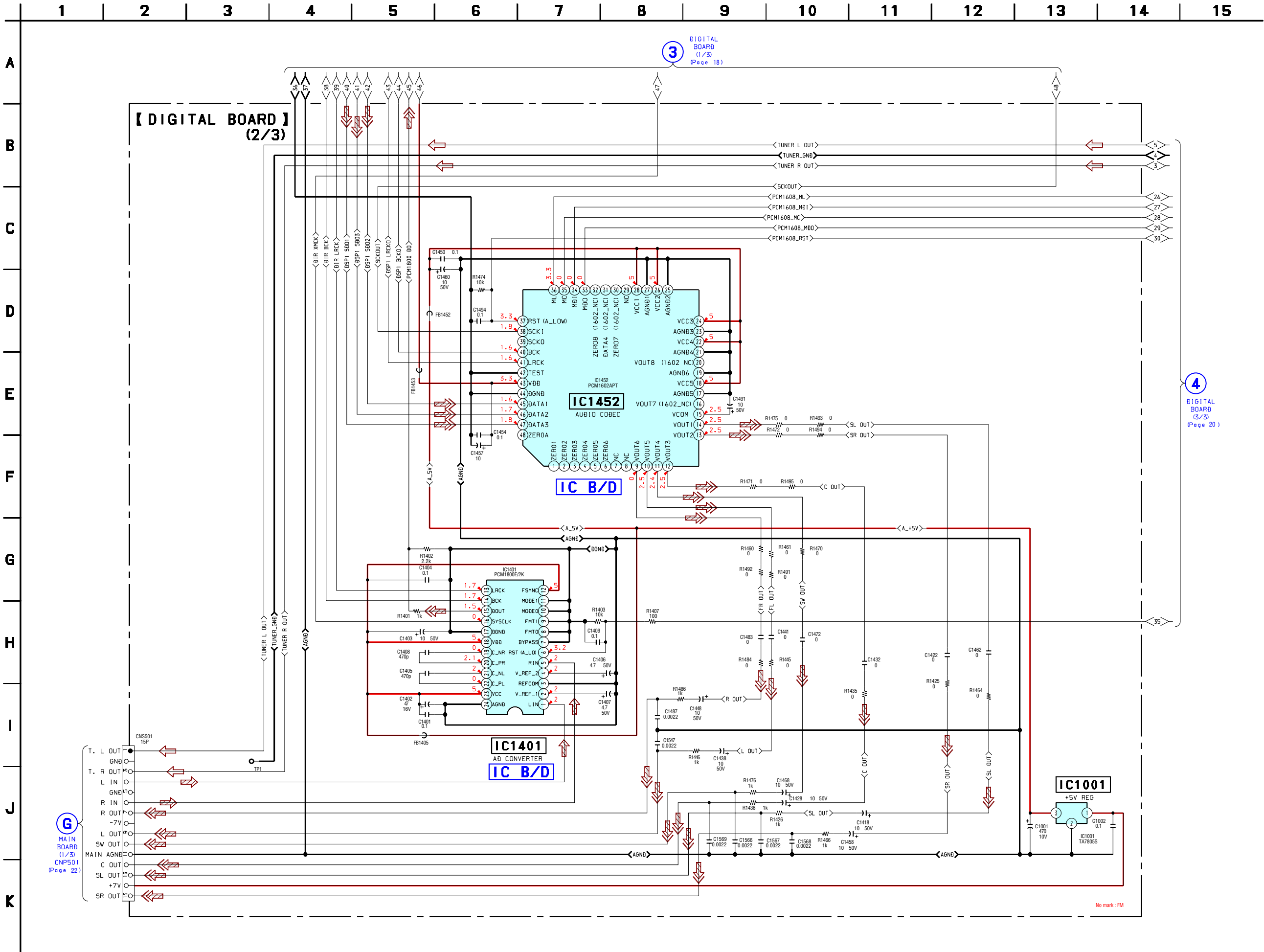
Ref. No.	Location
D1001	C-5
D1301	C-3
D1302	C-2
IC1101	D-5
IC1111	D-6
IC1131	E-5
IC1301	C-2
IC1303	D-2
IC1401	E-2
IC1452	E-3
IC1501	D-4
IC1502	C-4
IC1503	E-4

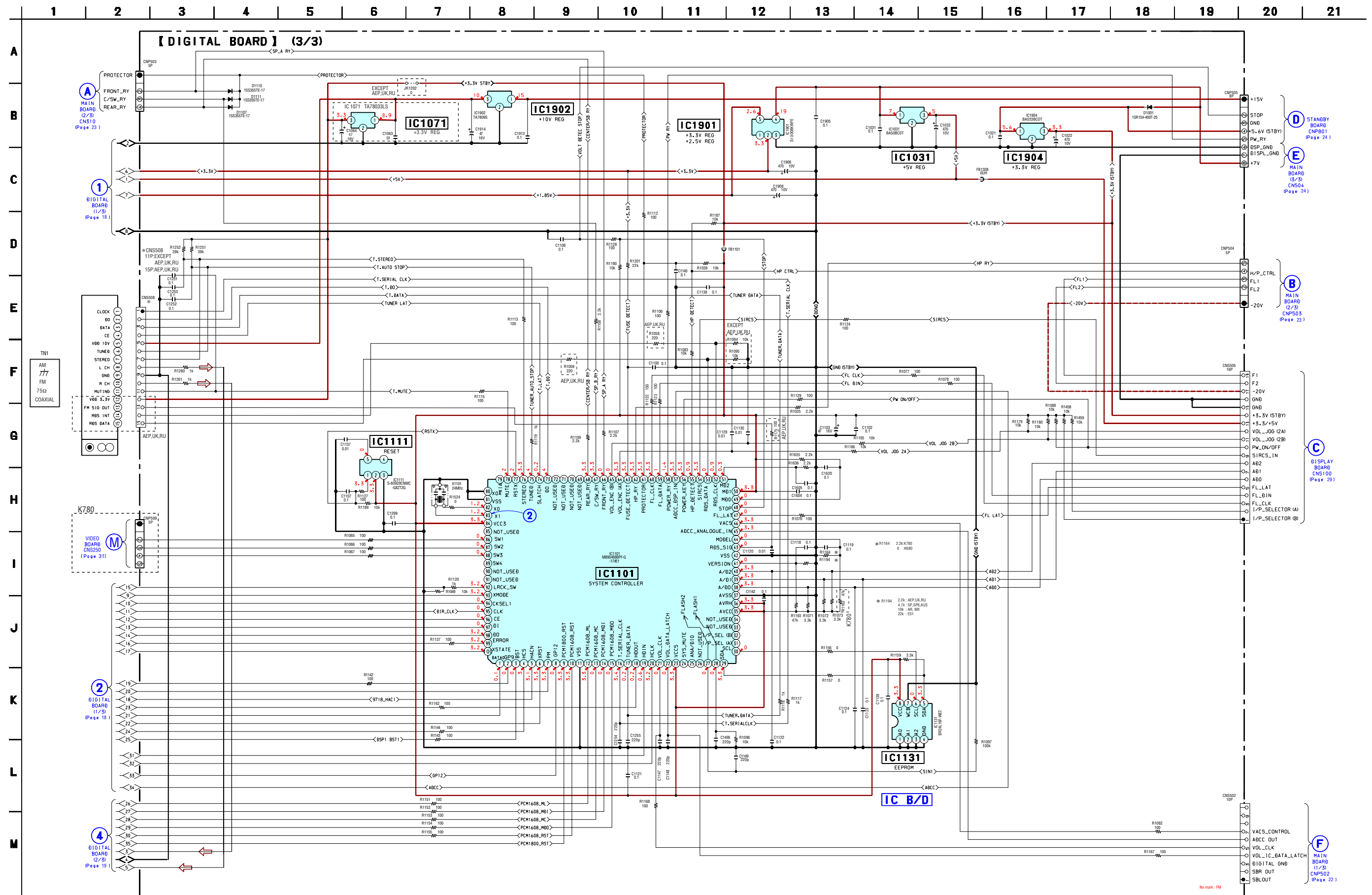
3-4. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE B) – • See page 13 for Circuit Boards Location. :Uses unleaded solder.





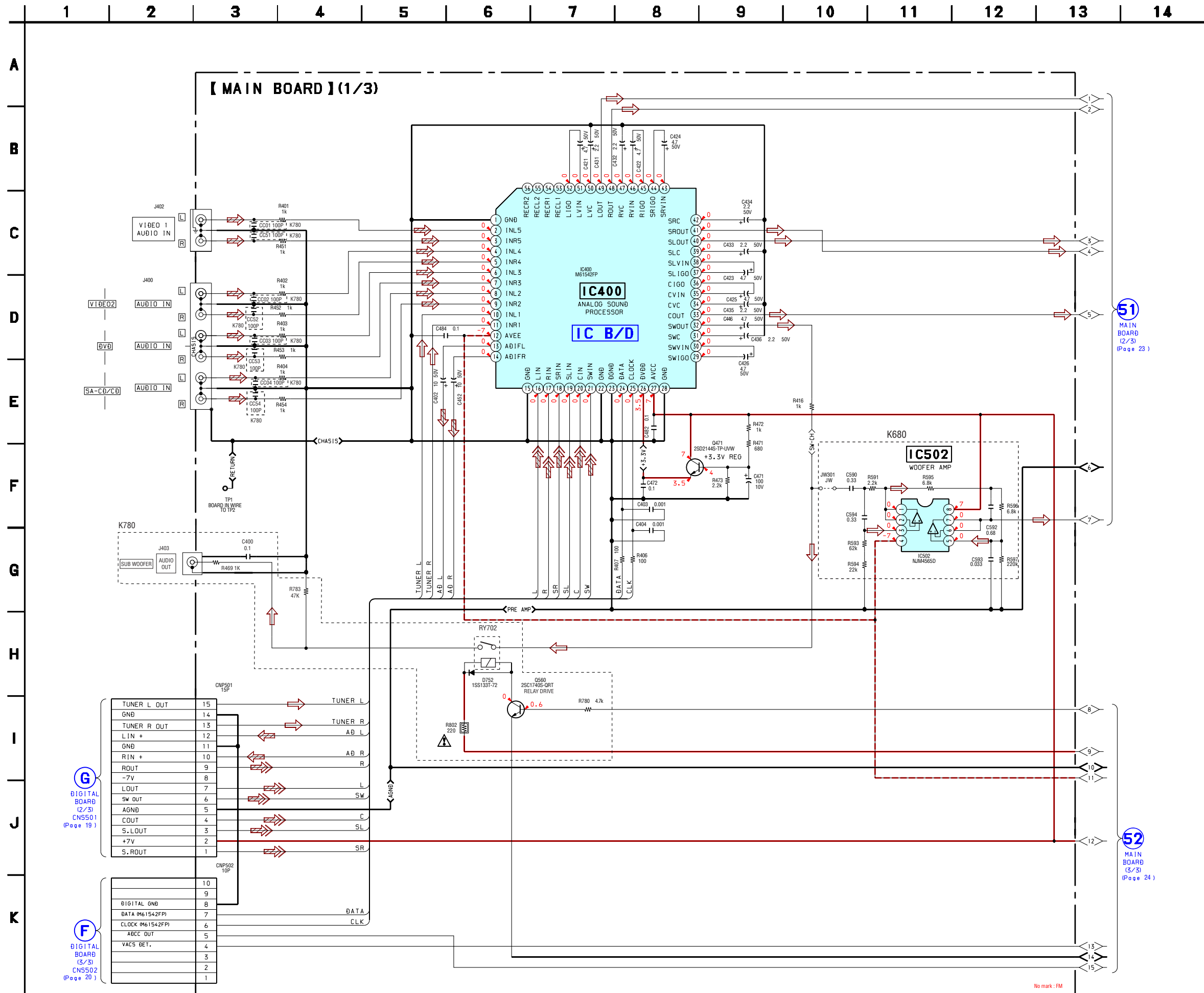
3-6. SCHEMATIC DIAGRAM – DIGITAL BOARD (2/3) – • See page 32, 33 for IC Block Diagrams.



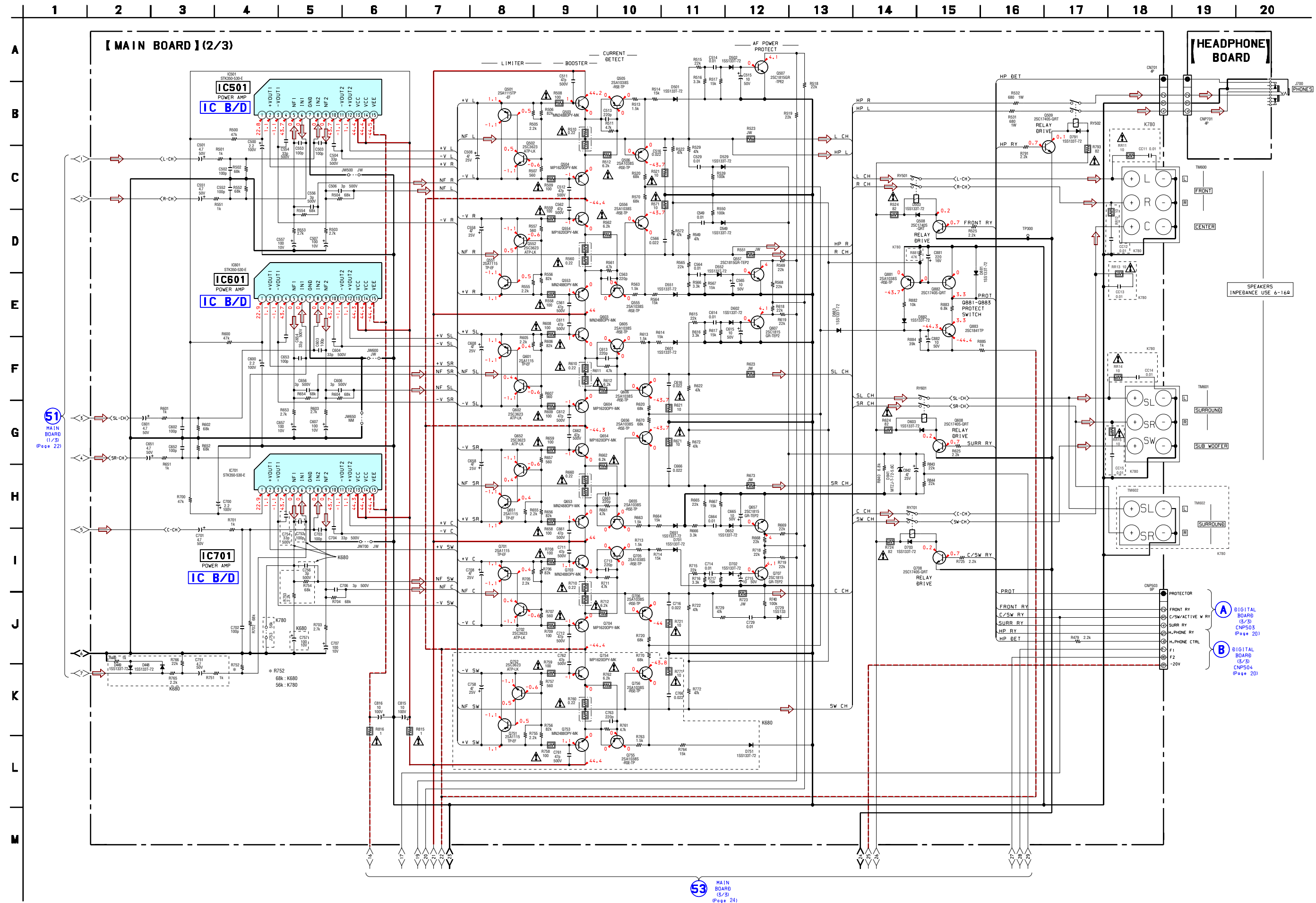


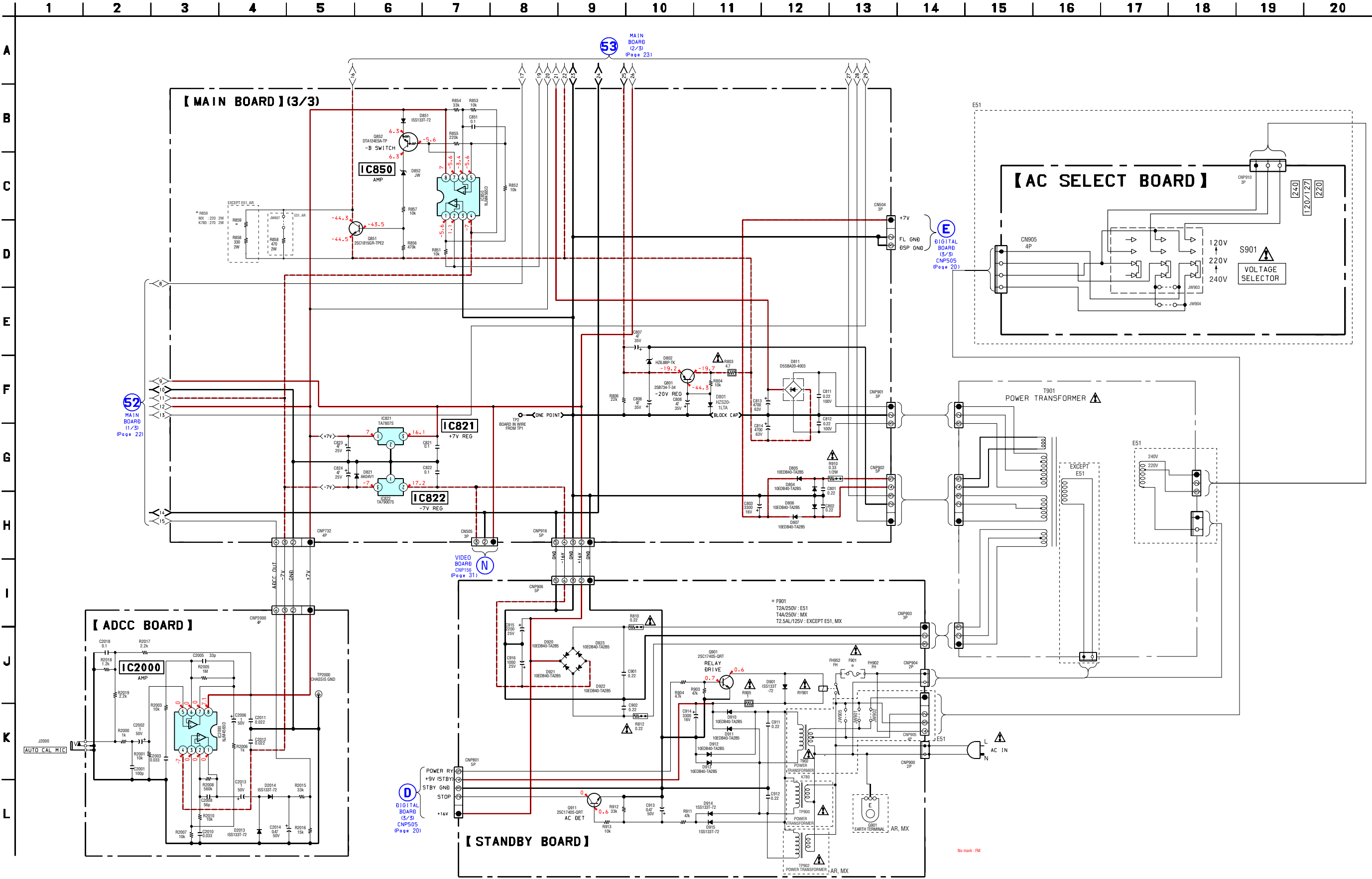


Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D448	E-5	D729	F-3	IC400	D-3	Q508	D-10	Q608	D-10	Q752	H-6
D449	E-4	D751	G-6	IC501	E-6	Q509	E-13	Q651	G-13	Q753	G-5
D501	F-7	D752	C-8	IC502	D-5	Q551	G-11	Q652	H-13	Q754	G-6
D502	F-6	D791	E-13	IC601	E-8	Q552	H-11	Q653	G-12	Q755	G-6
D503	D-10	D802	E-14	IC701	E-4	Q553	G-10	Q654	G-14	Q756	F-5
D529	F-5	D804	D-14	IC821	C-7	Q554	G-11	Q655	G-14	Q801	E-14
D549	F-8	D805	D-14	IC822	C-7	Q555	G-12	Q656	G-13	Q851	E-11
D551	G-12	D806	D-14	IC850	E-9	Q556	G-11	Q657	F-11	Q852	E-9
D552	F-10	D807	D-14			Q557	F-10	Q701	F-3	Q881	E-12
D601	G-10	D811	D-13	Q471	E-3	Q560	C-8	Q702	H-4	Q882	E-12
D602	G-10	D821	C-6	Q501	F-6	Q601	G-8	Q703	G-3	Q883	E-12
D603	C-9	D841	F-3	Q502	H-7	Q602	H-9	Q704	G-4		
D651	G-13	D851	E-9	Q503	G-7	Q603	G-9	Q705	G-4		
D652	F-12	D852	E-10	Q504	G-8	Q604	G-9	Q706	G-4		
D701	G-3	D881	F-12	Q505	G-8	Q605	G-10	Q707	G-2		
D702	G-2	D882	E-11	Q506	G-7	Q606	G-9	Q708	C-9		
D703	C-9	D883	F-12	Q507	F-7	Q607	G-9	Q751	F-5		



3-10. SCHEMATIC DIAGRAM – MAIN BOARD (2/3), HEADPHONE BOARD – • See page 33 for IC Block Diagrams.

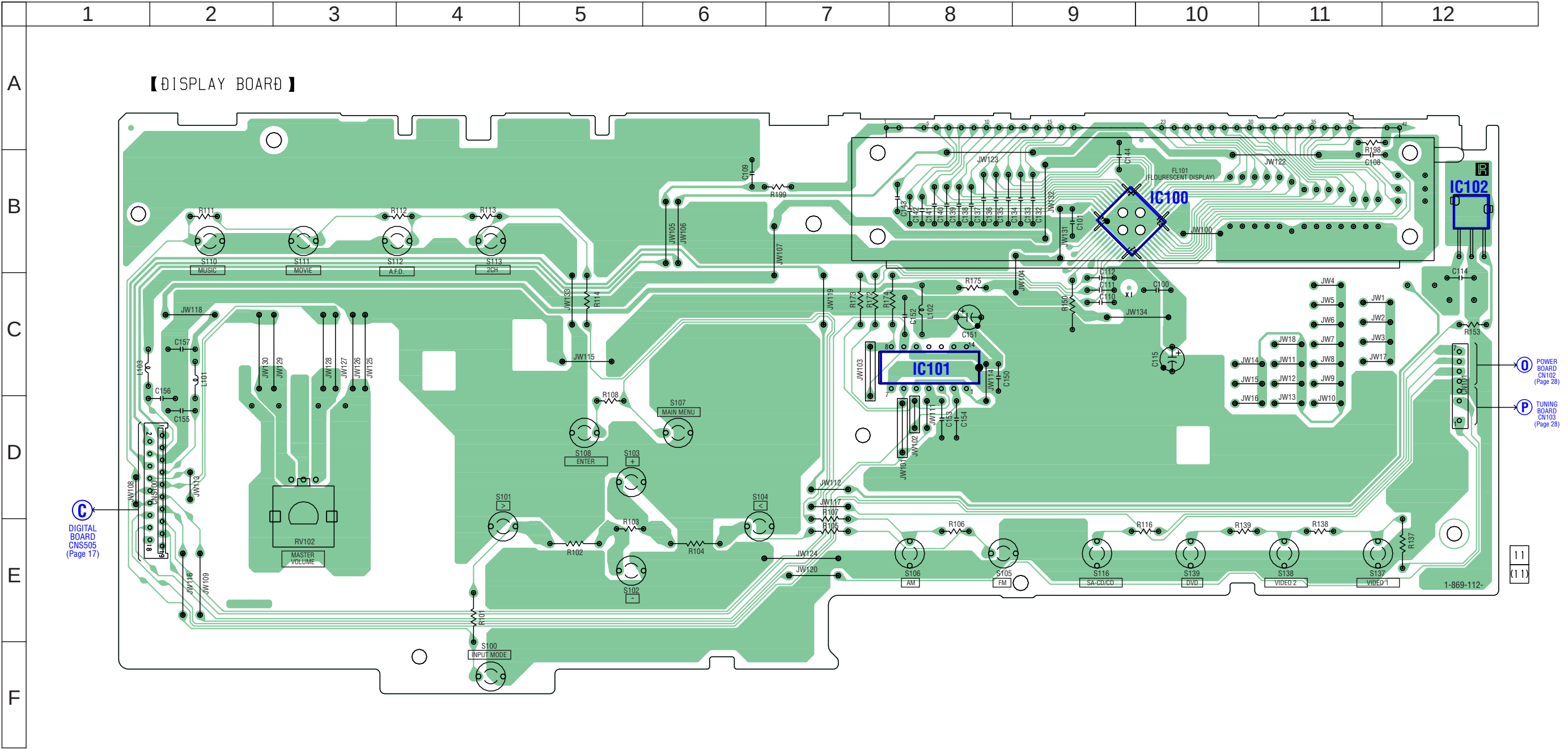


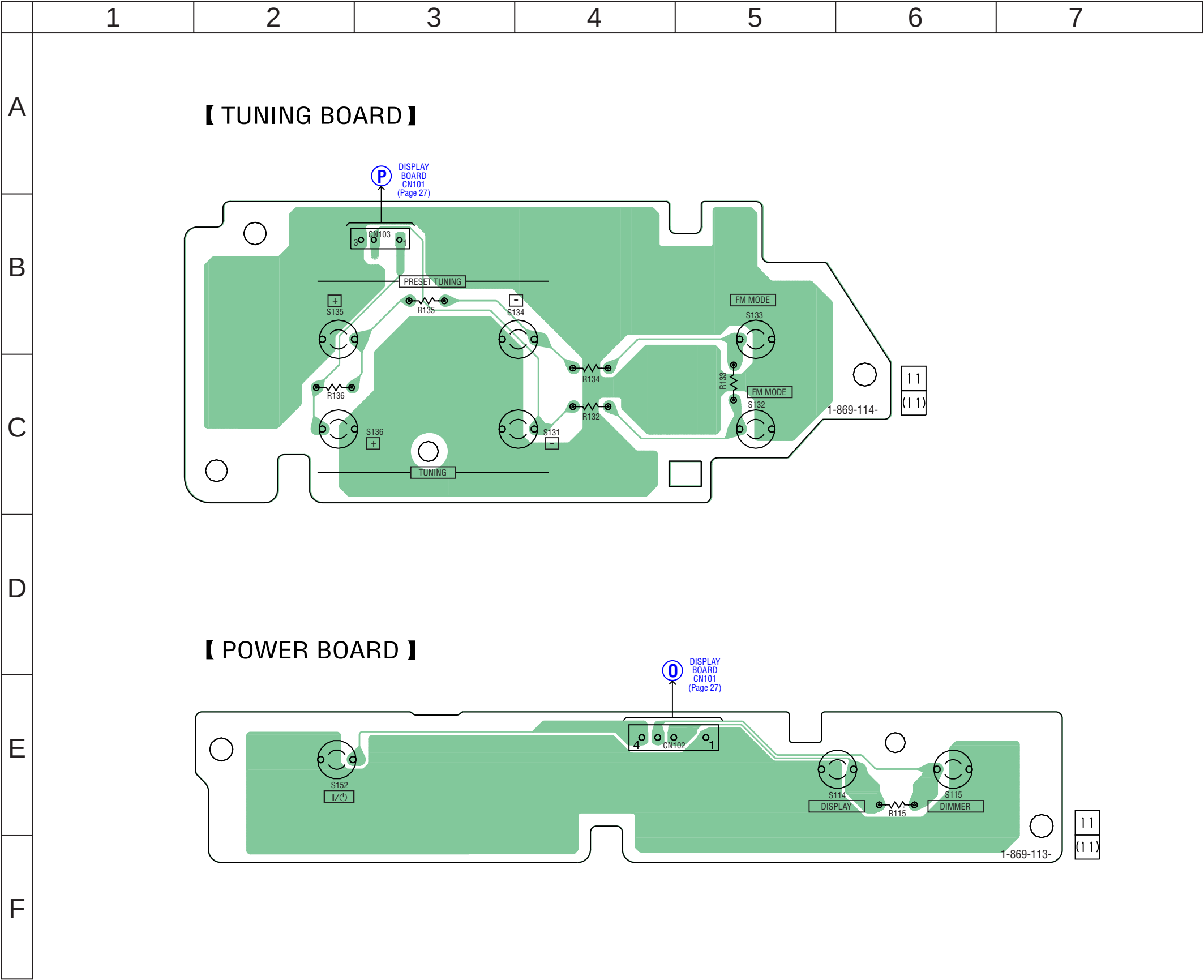




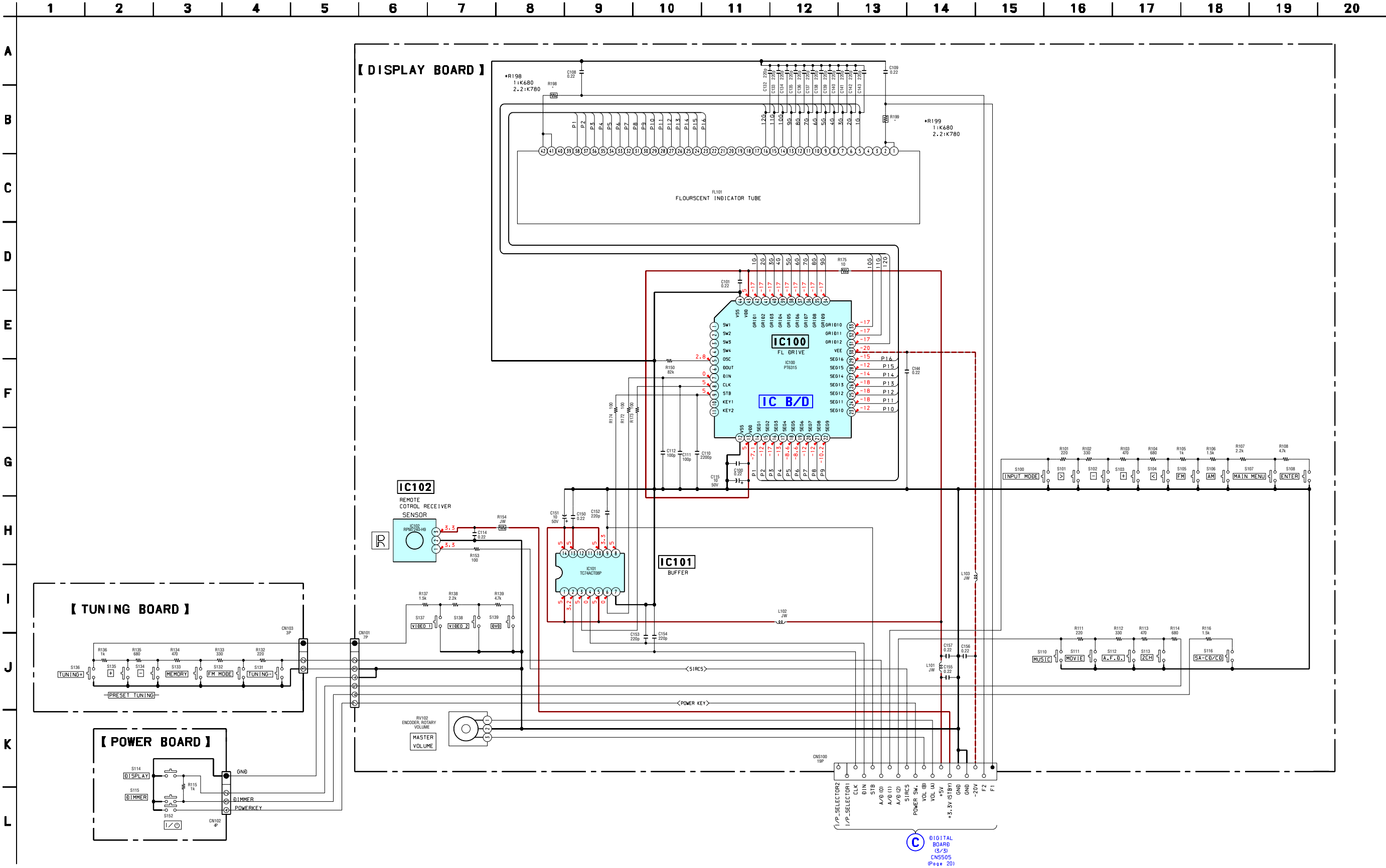


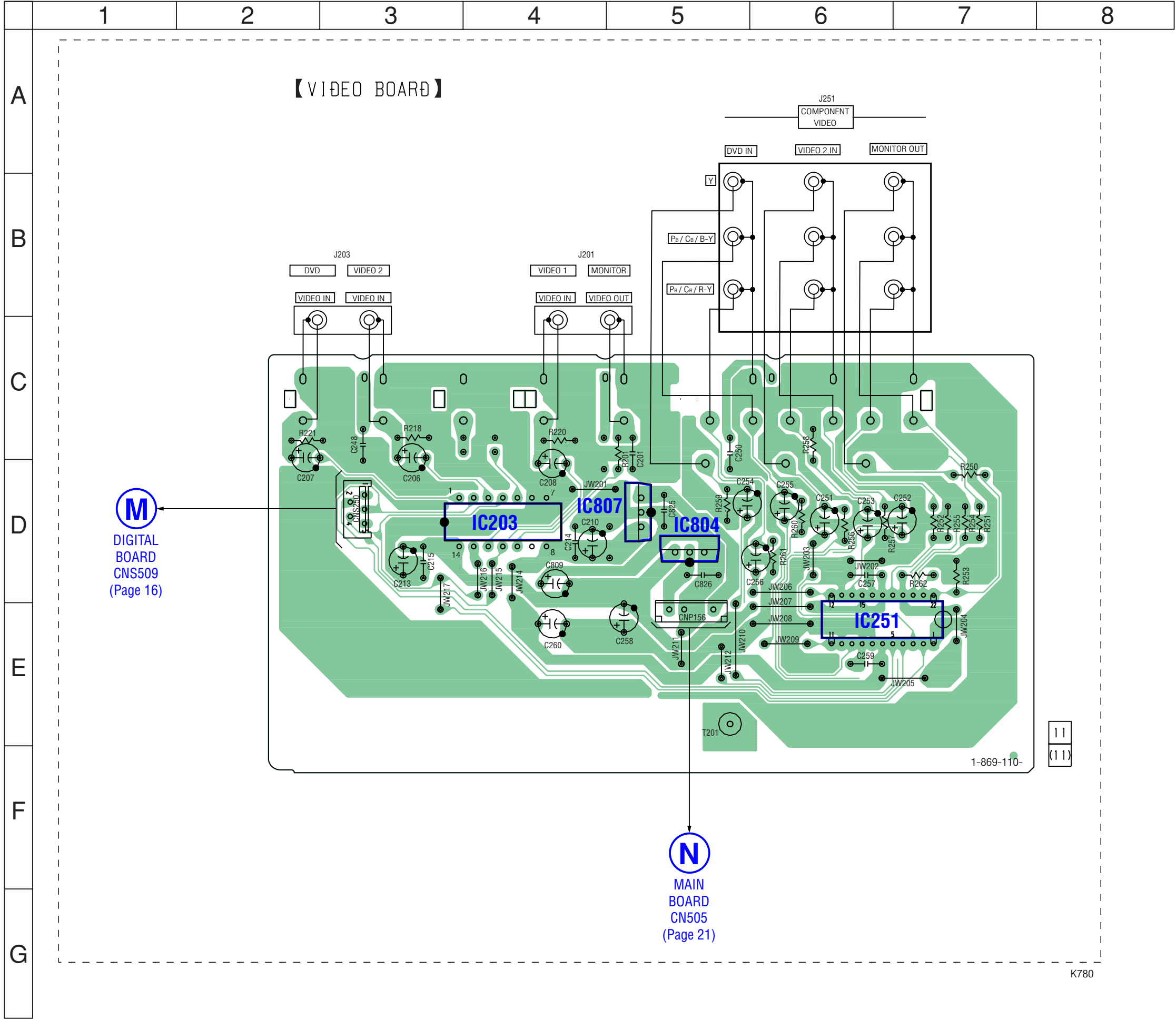
3-14. PRINTED WIRING BOARD – DISPLAY BOARD – • See page 13 for Circuit Boards Location.  :Uses unleaded solder.





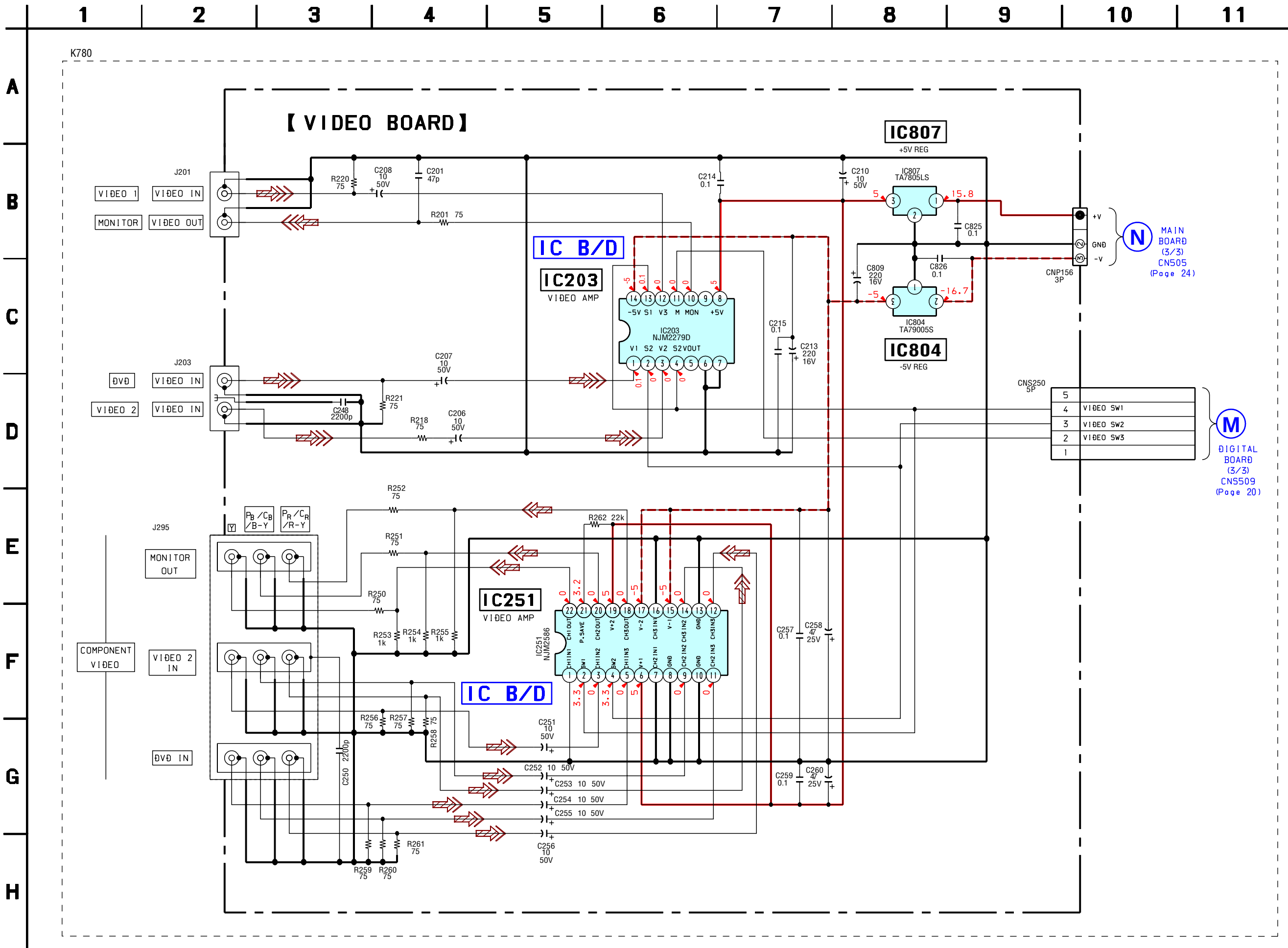
3-16. SCHEMATIC DIAGRAM – DISPLAY BOARD, TUNING BOARD, POWER BOARD – • See page 35 for IC Block Diagram.





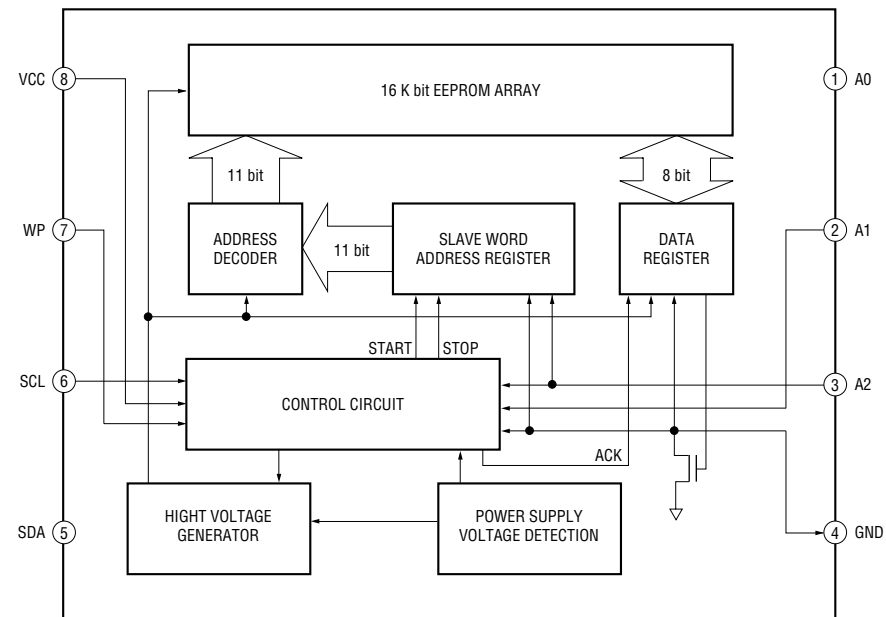
K780

3-18. SCHEMATIC DIAGRAM – VIDEO BOARD – • See page 34, 35 for IC Block Diagrams.

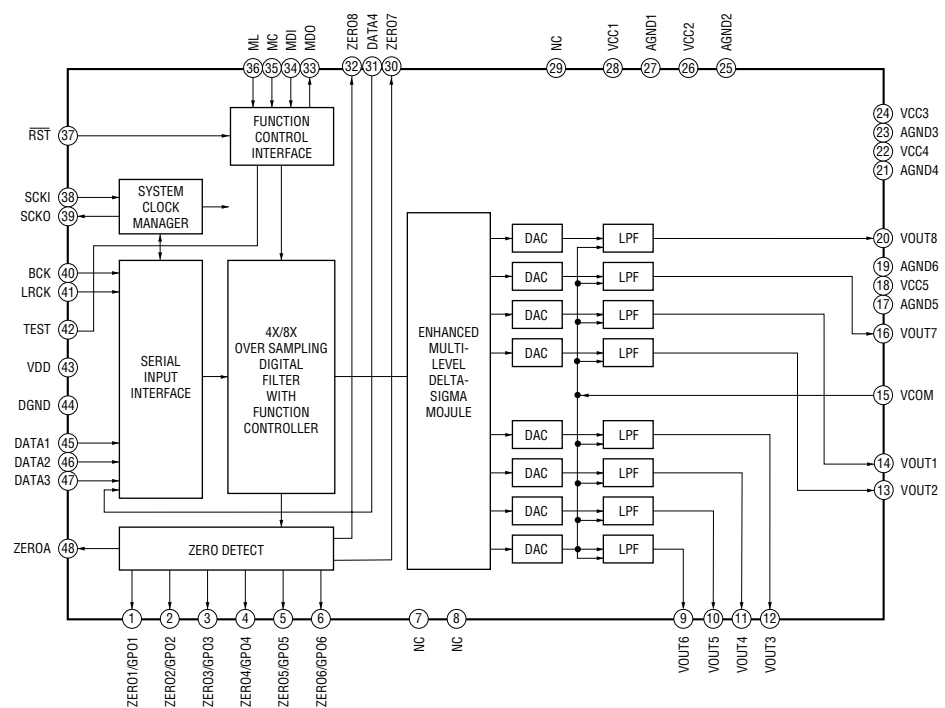


- IC Block Diagrams
- DIGITAL Board –

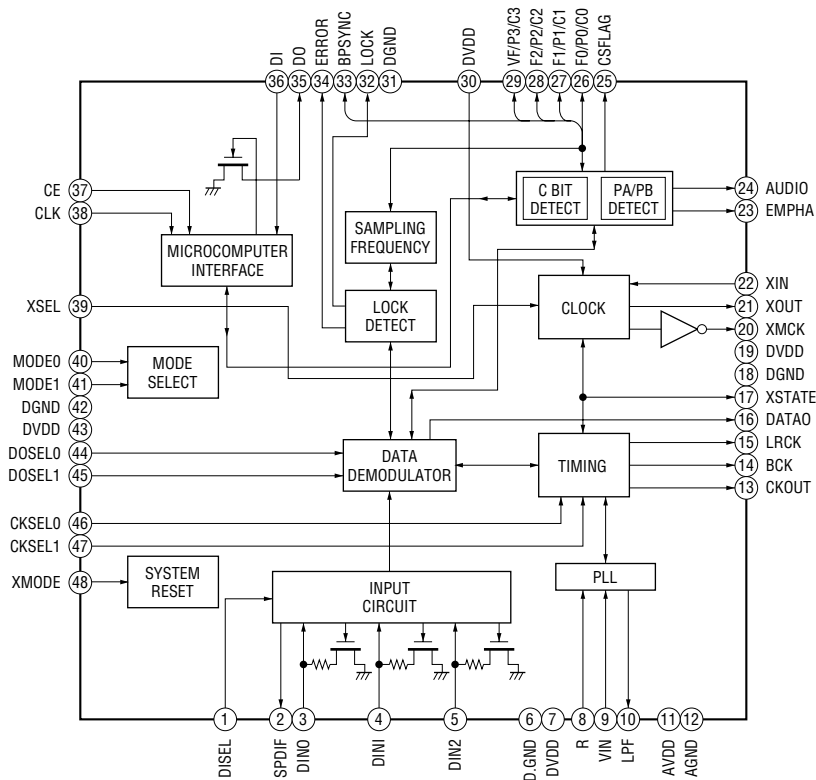
IC1131 BR24L16F-WE2



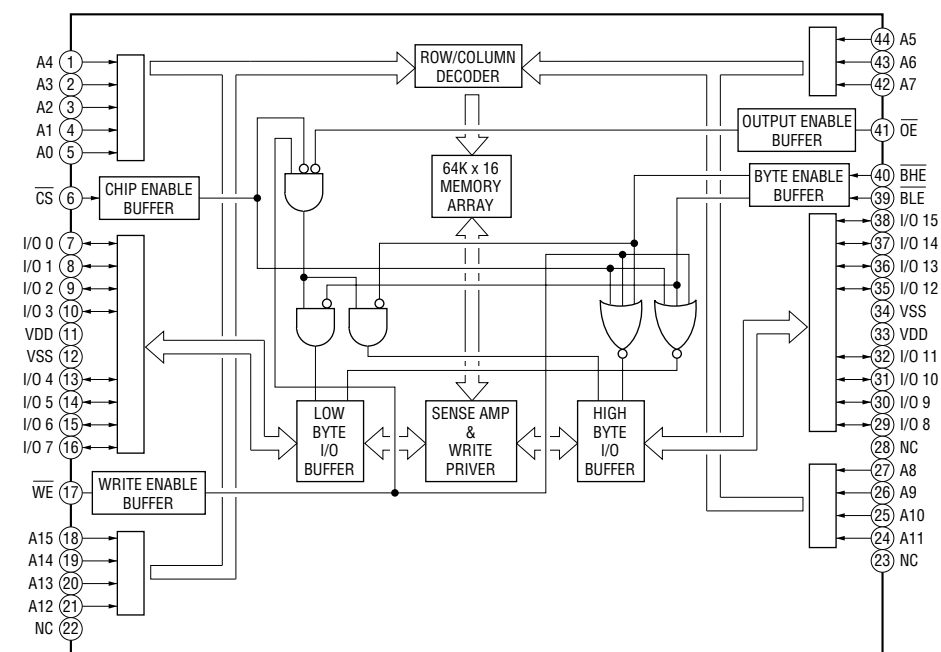
IC1452 PCM1602APT



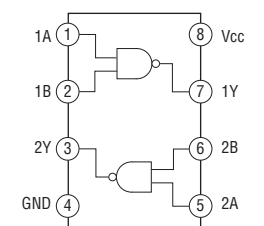
IC1301 LC89056W-E



IC1502 IS61LV6416-10TLT

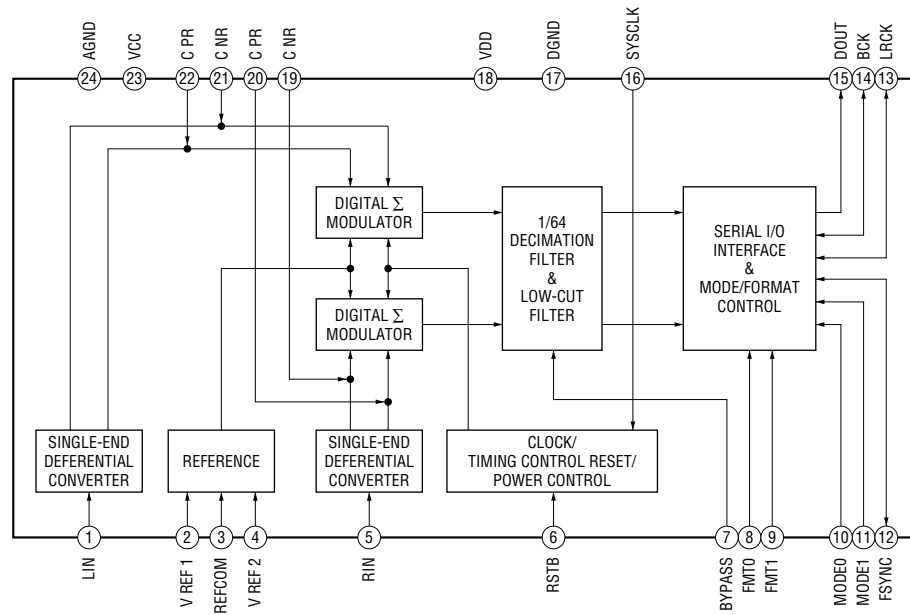


IC1503 TC7WH157FU (TE12R)



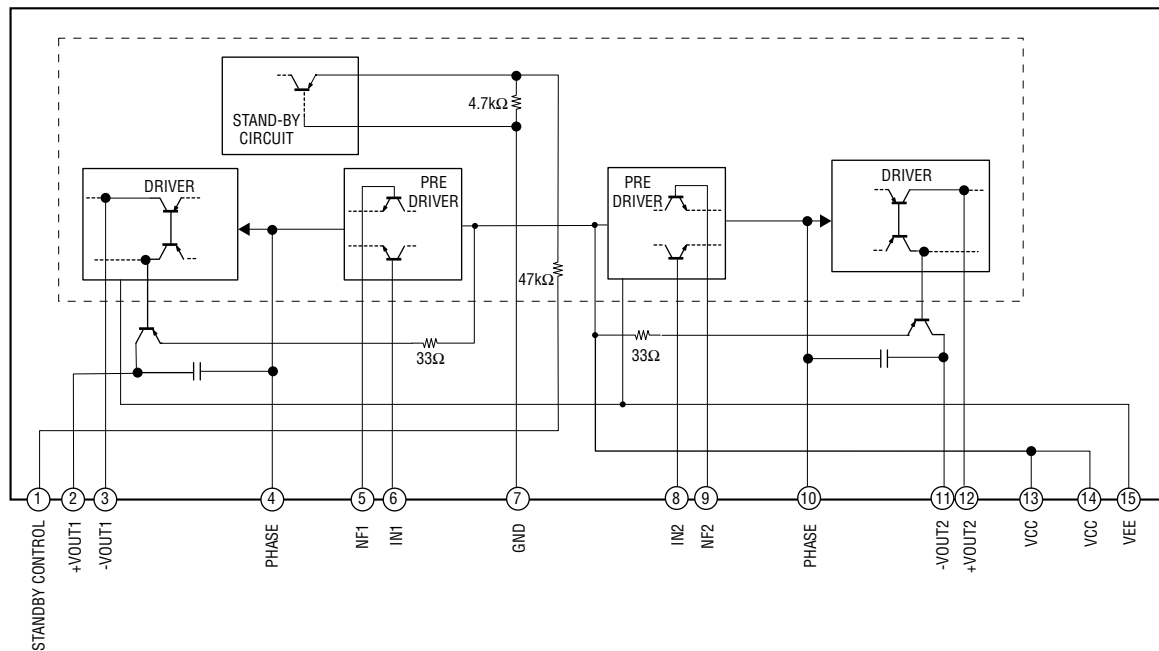
– DIGITAL Board –

IC1401 PCM1800E/2K



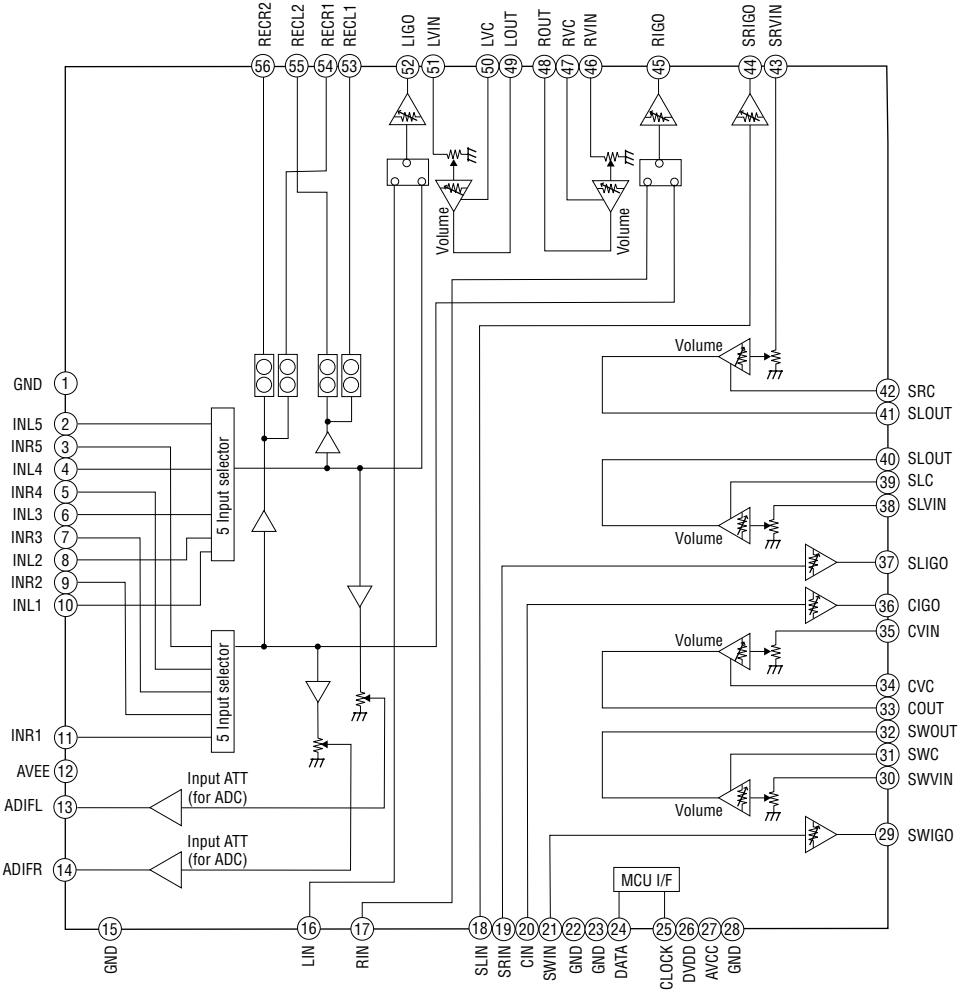
– MAIN Board –

IC501, IC601, IC701 STK350-530-E



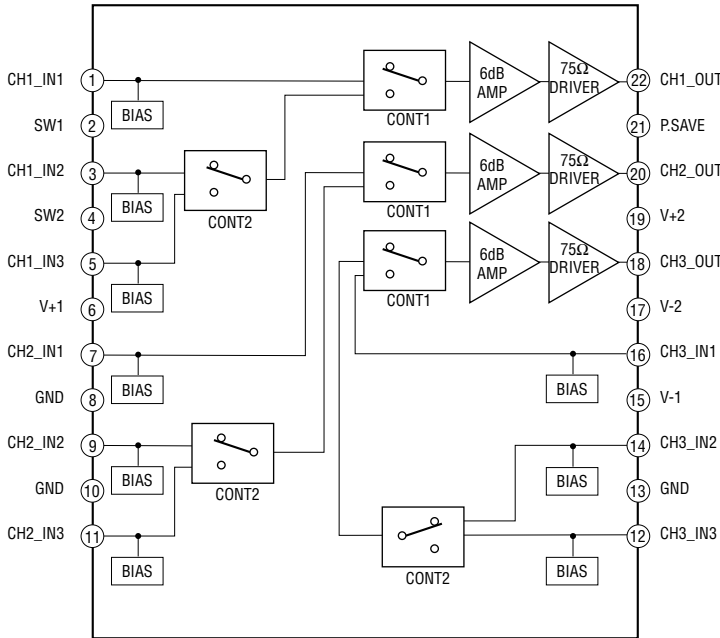
– MAIN Board –

IC400 M61542FP



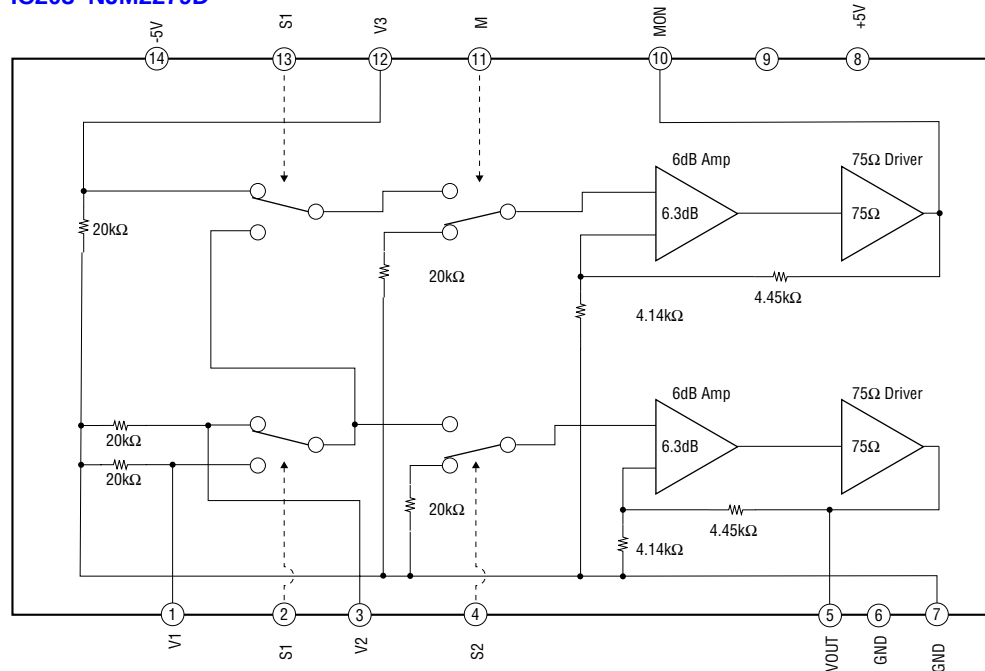
– VIDEO Board –

IC251 NJM2586AL



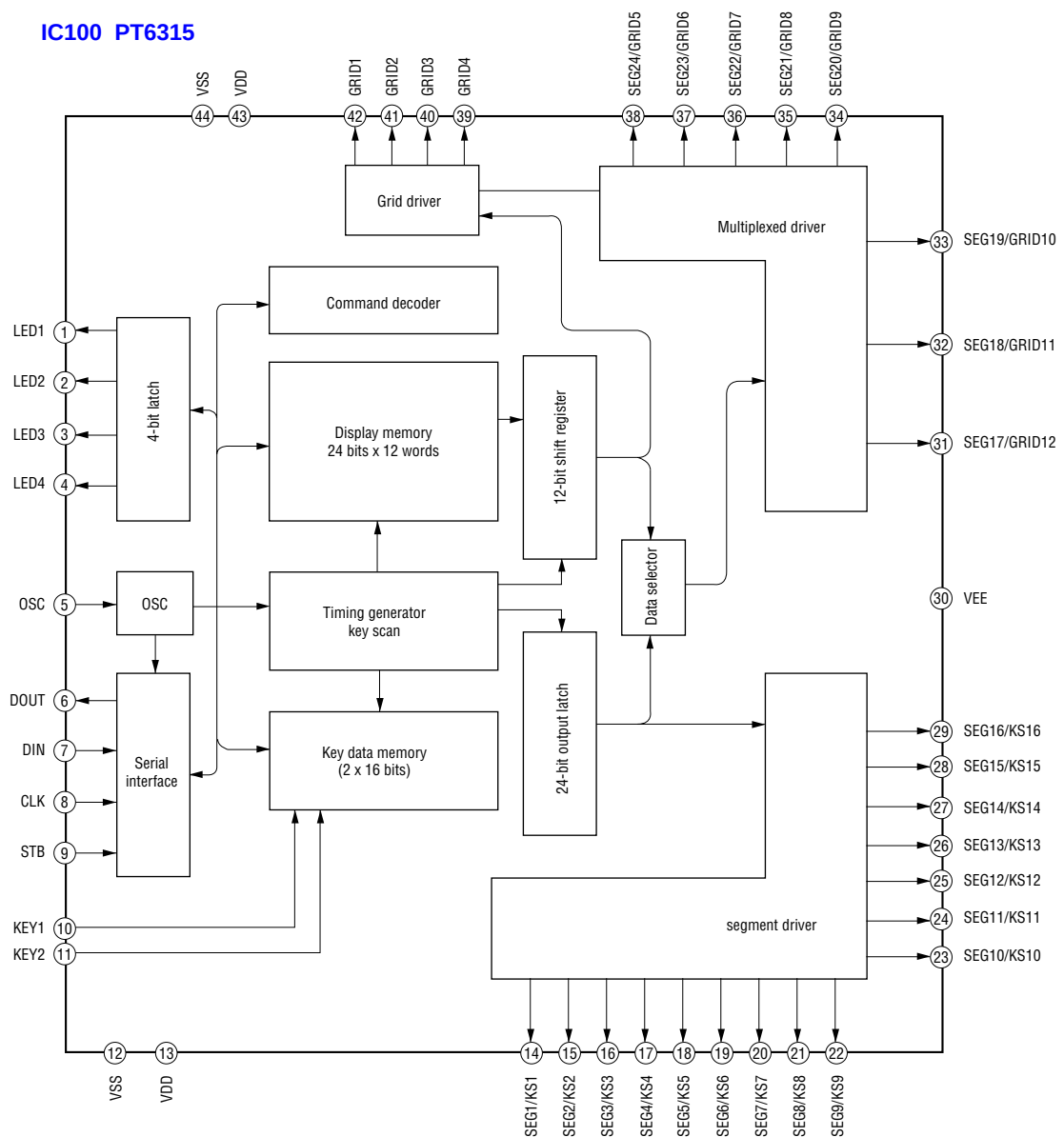
- VIDEO Board -

IC203 NJM2279D



- DISPLAY Board -

IC100 PT6315



• IC Pin Function Description

DIGITAL BOARD IC1101 MB90488BPF-G-174E1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	DATAO	I	Audio data signal input from DIR
2	GP9	I	GP9 signal input from DSP
3	BST	O	BST signal output to DSP
4	HCS	O	HCS signal output to DSP
5	HACN	I	HACN signal input from DSP
6	XRST	O	Reset signal output to DSP
7	PM	O	PM signal output to DSP
8	GP12	O	GP12 signal output to DSP
9	PCM1800_RST	O	IC reset signal output to ADC
10	PCM1608_RST	O	IC reset signal output to DAC
11	VSS	—	Ground terminal
12	PCM1608_ML	O	Latch signal output to DAC
13	PCM1608_MC	O	Clock signal output to DAC
14	PCM1608_MDI	O	IC data output to DAC
15	PCM1608_MDO	I	IC data input from DAC
16	T.SERIAL_CLK	O	Tuner clock signal output terminal
17	TUNER_DATA	O	Tuner data signal output terminal
18	HDOUT	I	HDOUT signal input from DSP
19	HDIN	O	HDIN signal output to DSP
20	HCLK	O	Clock signal output to DSP
21	VOL_CLK	O	Clock signal output to the ASP
22	VOL_DATA_LATCH	O	Data output to the ASP
23	VCC5	—	Power supply (+3.3V)
24	SYS_MUTE	O	Muting and error signal output
25	ANA/DIG	O	Analog signal or digital signal output terminal
26	NOT_USED	—	Not used
27	FLASH2	O	FLASH2 signal output (not used)
28	FLASH1	O	FLASH1 signal output (not used)
29	SDA	I	EEPROM data signal input terminal
30	SCL	O	EEPROM clock signal output terminal
31	I/P_SEL (A)	I	Input Encoder (A) signal input
32	I/P_SEL (B)	I	Input Encoder (B) signal input
33	NOT_USED	—	Not used
34	NOT_USED	—	Not used
35	AVCC	—	Analog power supply (+3.3V)
36	AVRH	I	Analog reference voltage input (+3.3V)
37	AVSS	—	Analog ground terminal
38	A/D0	I	Function key push signal input
39	A/D1	I	Function key push signal input
40	A/D2	I	Function key push signal input
41	VERSION	I	Version setting input terminal (DESTINATION)
42	VSS	—	Ground terminal
43	RDS_SIG	I	RDS signal detect input
44	MODEL	I	MODEL select input
45	ADCC_ANALOGUE_IN	I	ADCC signal input
46	VACS	I	VACS control signal input
47	FL_LAT	O	FL driver latch signal output

Pin No.	Pin Name	I/O	Description
48	STOP	I	AC off detect signal input
49	MD0	I	Operation mode setting input
50	MD1	I	Operation mode setting input
51	MD2	I	Operation mode setting input
52	RDS_CLK	I	RDS clock signal input
53	RDS_DATA	I	RDS data signal input
54	SIRCS	I	Data signal input from the remote control sensor
55	HP_DETECT	I	Headphone signal input
56	POWER_KEY	I	Power switch key detect signal input
57	ADCC_DSP_IN	O	ADCC DSP input
58	POWER_RY	O	Power relay control signal output
59	FL_DATA	O	FL driver signal output terminal
60	FL_CLK	O	FL driver clock signal output terminal
61	PROTECTOR	I	Protector status detect signal input
62	HP_RY	O	Headphone relay control signal output
63	FUSE_DETECT	I	Fuse detect signal input
64	VOL_ENC (A)	I	Volume signal input from rotary encoder
65	VOL_ENC (B)	I	Volume signal input from rotary encoder
66	FRONT_RY	O	Front speaker relay control signal output
67	C/SW_RY	O	Center speaker or Sub woofer speaker control signal output
68	REAR_RY	O	Rear speaker control signal output
69	NOT_USED	—	Not used
70	NOT_USED	—	Not used
71	NOT_USED	—	Not used
72	NOT_USED	—	Not used
73	DO	I	Frequency data signal input from the tuner
74	SLATCH	O	Latch signal output to the tuner
75	TUNED	I	Tuning a frequency signal input from the tuner
76	STEREO	I	Stereo tuning signal input from the tuner
77	RSTX	I	System reset input
78	MUTE	O	Muting signal output to the tuner
79	X1A	—	Not used
80	X0A	—	Ground terminal
81	VSS	—	Ground terminal
82	X0	—	Connection for a crystal resonator
83	X1	—	Connection for a crystal resonator
84	VCC3	—	Power supply (+3.3V)
85	NOT_USED	—	Not used
86	SW1	O	Video select control signal output
87	SW2	O	Video select control signal output
88	SW3	O	Video select control signal output
89	SW4	O	Video select control signal output (not used)
90	NOT_USED	—	Not used
91	NOT_USED	—	Not used
92	LRCK_SW	O	LRCK signal output to the selector
93	XMODE	O	Reset signal output to DIR
94	CKSEL 1	O	CKSEL control signal output to DIR
95	CLK	O	Clock signal output to DIR
96	CE	O	Chip enable signal output to DIR

STR-K680/K780

Pin No.	Pin Name	I/O	Description
97	DI	O	Data signal output to DIR
98	DO	I	Data signal input from DIR
99	ERROR	I	PLL error muting signal input from DIR
100	XSTATE	I	XSTATE data signal input from DIR

SECTION 4

EXPLODED VIEWS

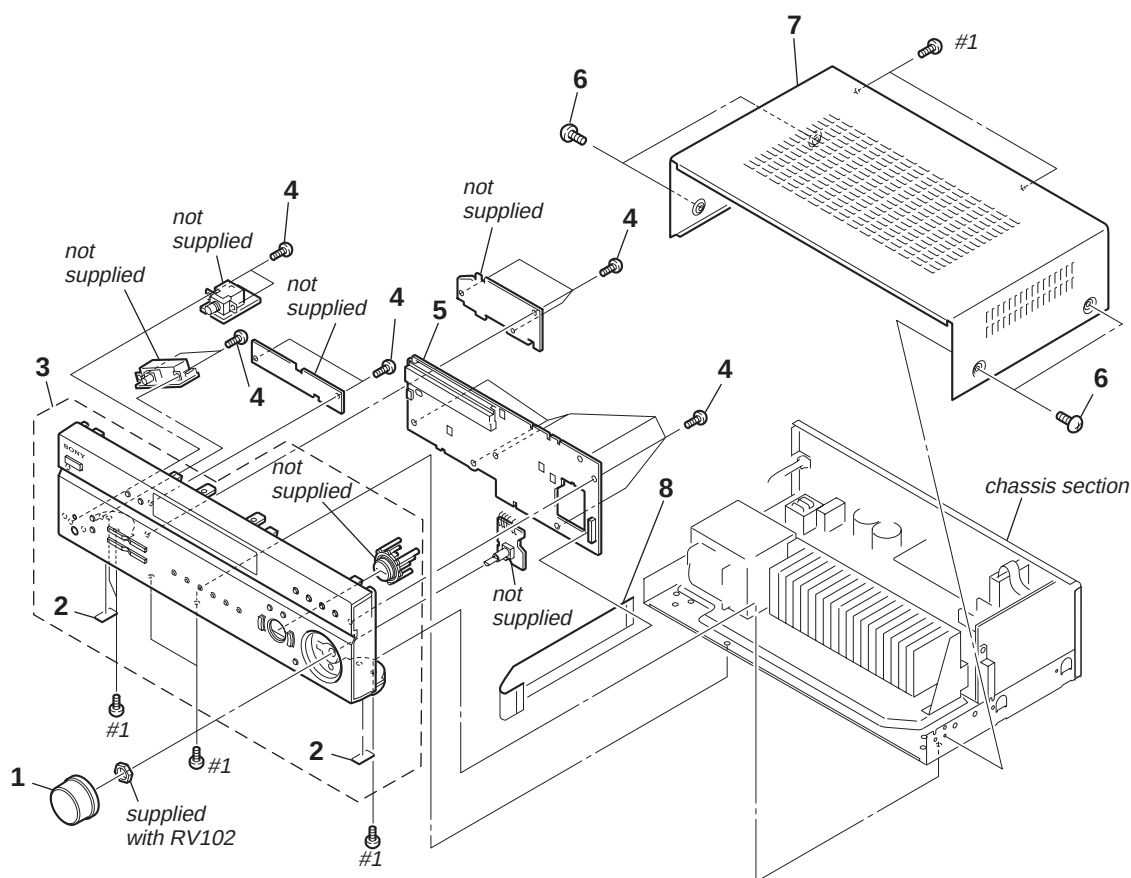
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Abbreviation
 - AR : Argentina model
 - AUS : Australian model
 - E51 : Chilean and Peruvian models
 - MX : Mexican model
 - RU : Russian model
 - SP : Singapore model
 - SP6 : Singapore and Malaysia models

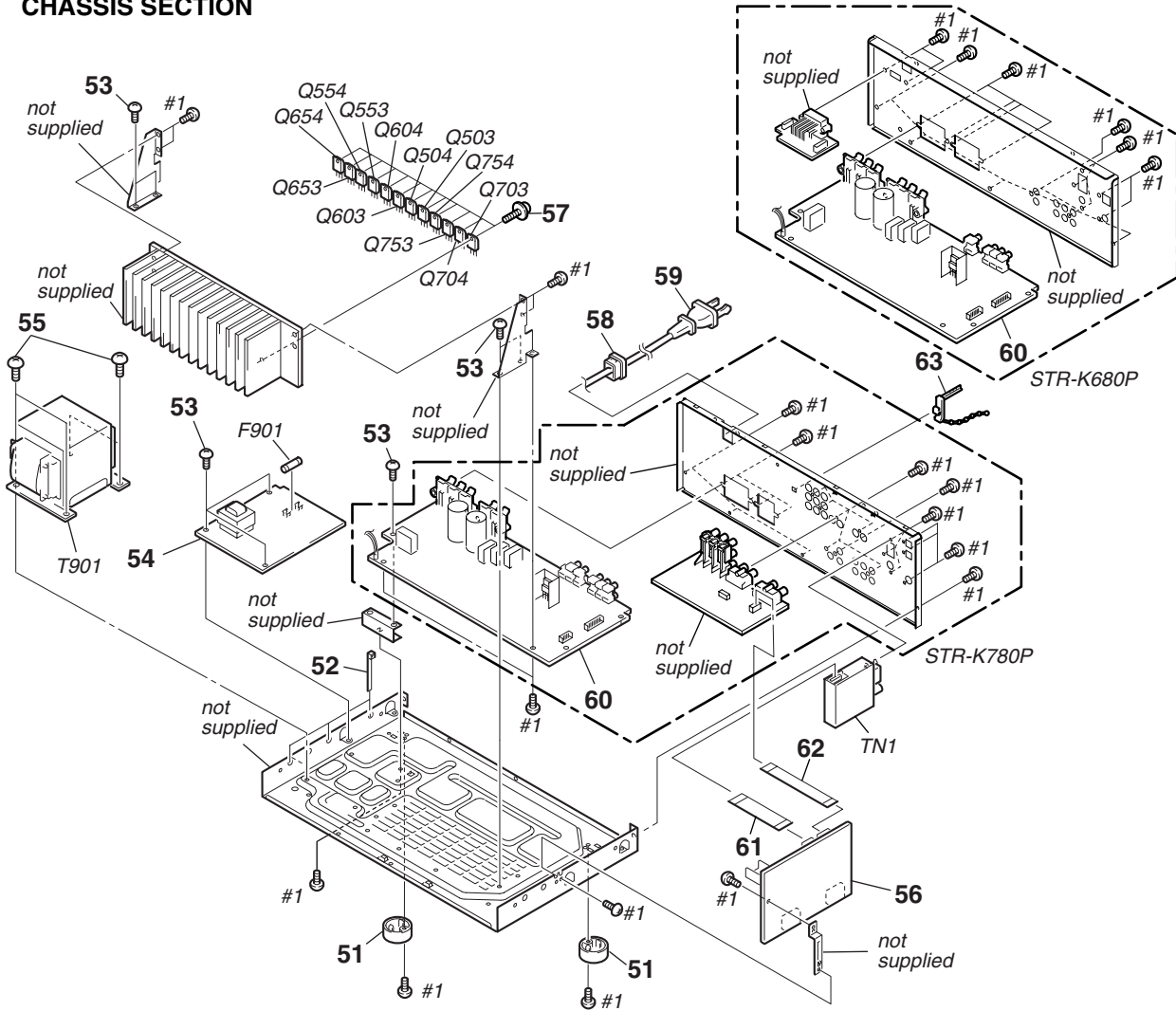
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-232-113-31	KNOB (VOL)		5	A-1157-676-A	DISPLAY BOARD, COMPLETE (K780)	
2	4-977-358-01	CUSHION		6	3-363-099-11	SCREW (CASE 3 TP2) (MX, E51, SP, SP6, AUS)	
3	X-2103-357-1	FRONT PANEL ASSY (K680)		6	3-070-883-41	SCREW, TAPPING (AEP, UK, RU)	
3	X-2103-362-1	FRONT PANEL ASSY (AEP, UK, RU)		7	4-245-939-61	CASE	
3	X-2103-363-A	FRONT PANEL ASSY (SP, SP6, AUS)		8	1-829-004-11	WIRE (FLAT TYPE) (19 CORE)	
4	3-087-053-01	+BVTP2.6 (3CR)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
5	A-1157-615-A	DISPLAY BOARD, COMPLETE (K680)					

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-4953-448-1	FOOT ASSY		62	1-828-936-11	WIRE (FLAT TYPE) (5 CORE) (K780)	
52	3-701-748-00	CLAMP		63	4-956-370-12	BAND, PLUG FIXED (UK, AUS)	
53	3-077-331-21	+BV3 (3-CR)		△ F901	1-532-203-00	FUSE, TIME-LAG (T2A/250V)(E51)	
54	A-1157-613-A	STANDBY BOARD, COMPLETE (E51)		△ F901	1-532-350-00	FUSE, TIME-LAG (T4A/250V)(MX)	
54	A-1157-640-A	STANDBY BOARD, COMPLETE (K780)		△ F901	1-532-464-33	FUSE (T2.5AL/250V)(EXCEPT E51, MX)	
54	A-1157-661-A	STANDBY BOARD, COMPLETE (MX)		Q503	6-702-390-01	IC MN2488-OPY-MK	
54	A-1157-668-A	STANDBY BOARD, COMPLETE (AR)		Q504	6-702-391-01	IC MP1620-OPY-MK	
55	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Q553	6-702-390-01	IC MN2488-OPY-MK	
56	A-1157-610-A	DIGITAL BOARD, COMPLETE (E51)		Q554	6-702-391-01	IC MP1620-OPY-MK	
56	A-1157-658-A	DIGITAL BOARD, COMPLETE (MX)		Q603	6-702-390-01	IC MN2488-OPY-MK	
56	A-1157-673-A	DIGITAL BOARD, COMPLETE (AEP, UK, RU)		Q604	6-702-391-01	IC MP1620-OPY-MK	
56	A-1157-682-A	DIGITAL BOARD, COMPLETE (SP, SP6)		Q653	6-702-390-01	IC MN2488-OPY-MK	
56	A-1157-687-A	DIGITAL BOARD, COMPLETE (AUS)		Q654	6-702-391-01	IC MP1620-OPY-MK	
56	A-1159-112-A	DIGITAL BOARD, COMPLETE (AR)		Q703	6-702-390-01	IC MN2488-OPY-MK	
57	3-905-609-01	SCREW (TRANSISTOR)		Q704	6-702-391-01	IC MP1620-OPY-MK	
* 58	3-703-244-00	BUSHING (2104), CORD		Q753	6-702-390-01	IC MN2488-OPY-MK (K680)	
△ 59	1-696-847-11	CORD, POWER (AUS)		Q754	6-702-391-01	IC MP1620-OPY-MK (K680)	
△ 59	1-777-071-82	CORD, POWER (E51, AEP, UK, RU, SP, SP6)		△ T901	1-443-916-11	POWER TRANSFORMER	(AEP, UK, RU, AUS)
△ 59	1-783-941-11	CORD, POWER (AR)		△ T901	1-443-918-11	POWER TRANSFORMER (SP, SP6, AR)	
△ 59	1-829-627-11	POWER-SUPPLY CORD (MX)		△ T901	1-443-919-11	POWER TRANSFORMER (E51)	
60	A-1157-611-A	MAIN BOARD, COMPLETE (E51)		△ T901	1-443-920-11	POWER TRANSFORMER (MX)	
60	A-1157-659-A	MAIN BOARD, COMPLETE (MX)		TN1	1-693-675-21	TUNER (K680)	
60	A-1157-667-A	MAIN BOARD, COMPLETE (AR)		TN1	1-693-676-11	TUNER (AEP, UK, RU)	
60	A-1157-674-A	MAIN BOARD, COMPLETE (K780)		TN1	1-693-678-11	TUNER (SP, SP6, AUS)	
61	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)	(MX, E51, SP, SP6, AUS)	#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
61	1-828-980-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, RU)					

SECTION 5

ELECTRICAL PARTS LIST

AC SELECT

ADCC

DIGITAL

NOTE:

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

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

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

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

- Abbreviation
AR : Argentina model
AUS : Australian model
E51 : Chilean and Peruvian models
MX : Mexican model
RU : Russian model
SP : Singapore model
SP6 : Singapore and Malaysia models

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		AC SELECT BOARD (E51)				< RESISTOR >	

		< CONNECTOR >					
CN905	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P		R2000	1-247-831-91	CARBON 1K 5%	1/4W
		< CONNECTOR >		R2001	1-249-429-11	CARBON 10K 5%	1/4W
* CNP910	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P		R2003	1-249-429-11	CARBON 10K 5%	1/4W
		< SWITCH >		R2005	1-247-903-00	CARBON 1M 5%	1/4W
				R2006	1-247-831-91	CARBON 1K 5%	1/4W
Δ S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SWITCH)					
		*****		R2007	1-249-429-11	CARBON 10K 5%	1/4W
				R2008	1-247-897-11	CARBON 560K 5%	1/4W
				R2010	1-249-429-11	CARBON 10K 5%	1/4W
				R2015	1-249-435-11	CARBON 33K 5%	1/4W
				R2016	1-249-431-11	CARBON 15K 5%	1/4W
		ADCC BOARD		R2017	1-249-421-11	CARBON 2.2K 5%	1/4W
		*****		R2018	1-249-418-11	CARBON 1.2K 5%	1/4W
				R2019	1-249-421-11	CARBON 2.2K 5%	1/4W

		< CAPACITOR >				A-1157-610-A	DIGITAL BOARD, COMPLETE (E51)
						A-1157-658-A	DIGITAL BOARD, COMPLETE (MX)
						A-1157-673-A	DIGITAL BOARD, COMPLETE (AEP, UK, RU)
						A-1157-682-A	DIGITAL BOARD, COMPLETE (SP, SP6)
						A-1157-687-A	DIGITAL BOARD, COMPLETE (AUS)
						A-1159-112-A	DIGITAL BOARD, COMPLETE (AR)

						7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3
						< CAPACITOR >	
C2001	1-128-809-11	CERAMIC 100PF 5% 50V		C1001	1-126-925-91	ELECT 470uF 20%	10V
C2002	1-126-160-11	ELECT 1uF 20% 50V		C1002	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C2003	1-127-882-31	CERAMIC 0.033uF 10% 50V		C1004	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C2005	1-128-803-11	CERAMIC 33PF 5% 50V		C1005	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C2006	1-126-160-11	ELECT 1uF 20% 50V		C1021	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C2008	1-128-806-11	CERAMIC 56PF 5% 50V		C1022	1-126-925-91	ELECT 470uF 20%	10V
C2010	1-127-882-31	CERAMIC 0.033uF 10% 50V		C1031	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C2011	1-127-880-11	CERAMIC 0.022uF 10% 50V		C1032	1-126-925-91	ELECT 470uF 20%	10V
C2012	1-127-880-11	CERAMIC 0.022uF 10% 50V		C1063	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C2013	1-126-160-11	ELECT 1uF 20% 50V					
C2014	1-124-465-00	ELECT 0.47uF 20% 50V		C1064	1-126-947-11	ELECT 47uF 20%	35V
C2018	1-127-888-11	CERAMIC 0.1uF 10% 50V					(AEP, UK, RU)
							(AEP, UK, RU)
		< CONNECTOR >					
CNP2000	1-784-921-11	PIN, CONNECTOR 4P					
		< DIODE >					
D2013	8-719-991-33	DIODE 1SS133T-77					
D2014	8-719-991-33	DIODE 1SS133T-77					
		< IC >					
IC2000	8-759-167-88	IC NJM4565D		C1100	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
		< JACK >		C1102	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
				C1103	1-126-947-11	ELECT 47uF 20%	35V
				C1107	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
				C1108	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
J2000	1-820-056-11	SMALL TYPE JACK (AUTO CAL MIC)		C1118	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
				C1119	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
				C1120	1-162-974-11	CERAMIC CHIP 0.01uF	50V

STR-K680/K780

Ver. 1.3

DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C1121	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1438	1-126-964-11	ELECT	10uF	20%	50V
C1122	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1441	1-216-864-11	SHORT CHIP	0		
C1123	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1448	1-126-964-11	ELECT	10uF	20%	50V
C1124	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1450	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1454	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1130	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1457	1-126-964-11	ELECT	10uF	20%	50V
C1137	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C1458	1-126-964-11	ELECT	10uF	20%	50V
C1138	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1460	1-126-964-11	ELECT	10uF	20%	50V
C1139	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1462	1-216-864-11	SHORT CHIP	0		
C1140	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1468	1-126-964-11	ELECT	10uF	20%	50V
C1142	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1472	1-216-864-11	SHORT CHIP	0		
C1147	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1483	1-216-864-11	SHORT CHIP	0		
C1148	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1491	1-126-964-11	ELECT	10uF	20%	50V
C1206	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	C1494	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1251	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1252	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1501	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1253	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1502	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1503	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C1504	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1299	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1505	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1301	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1506	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1507	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1303	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1508	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1304	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1509	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1305	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1510	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1306	1-126-947-11	ELECT	47uF	20%	35V	C1511	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1308	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1513	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	C1514	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	C1515	1-126-925-91	ELECT	470uF	20%	10V
C1312	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1516	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C1517	1-126-925-91	ELECT	470uF	20%	10V
C1314	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1518	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1315	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1519	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1352	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1520	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1353	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1355	1-104-662-91	ELECT	22uF	20%	25V	C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1356	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1525	1-126-925-91	ELECT	470uF	20%	10V
C1357	1-162-905-11	CERAMIC CHIP	1PF	0.25PF	50V	C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1358	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V	C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1360	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1361	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1362	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1604	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1401	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1605	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1402	1-126-947-11	ELECT	47uF	20%	35V	C1620	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1403	1-126-964-11	ELECT	10uF	20%	50V	C1905	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1404	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1906	1-126-925-91	ELECT	470uF	20%	10V
C1405	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C1908	1-126-925-91	ELECT	470uF	20%	10V
C1406	1-126-963-11	ELECT	4.7uF	20%	50V	C1913	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1407	1-126-963-11	ELECT	4.7uF	20%	50V	C1914	1-126-947-11	ELECT	47uF	20%	35V
C1408	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	< CONNECTOR >					
C1409	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	CNP503	1-784-921-11	PIN, CONNECTOR 4P			
C1418	1-126-964-11	ELECT	10uF	20%	50V	CNP504	1-784-922-11	PIN, CONNECTOR 5P			
C1422	1-216-864-11	SHORT CHIP	0			CNP505	1-784-924-11	PIN, CONNECTOR 8P			
C1428	1-126-964-11	ELECT	10uF	20%	50V	CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
C1432	1-216-864-11	SHORT CHIP	0								

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
CNS502	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P				< SHORT >	
CNS504	1-568-828-11	CONNECTOR, FFC 9P		JR1020	1-216-864-11	SHORT CHIP	0
CNS505	1-784-780-11	CONNECTOR, FFC 19P		JR1202	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)
CNS508	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP, UK, RU)		JR1502	1-216-864-11	SHORT CHIP	0
CNS508	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK, RU)		JR1511	1-400-862-11	BEAD, FERRITE	
CNS509	1-784-766-11	CONNECTOR, FFC 5P (K780)				< RESISTOR >	
		< DIODE >		R1035	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
D1001	8-719-053-18	DIODE 1SR154-400TE-25		R1039	1-216-833-11	METAL CHIP	10K 5% 1/10W
D1003	8-719-049-09	DIODE 1SS367-T3SONY		R1041	1-216-809-11	METAL CHIP	100 5% 1/10W
D1004	8-719-049-09	DIODE 1SS367-T3SONY		R1042	1-216-809-11	METAL CHIP	100 5% 1/10W
D1107	8-719-988-61	DIODE 1SS355TE-17		R1044	1-216-809-11	METAL CHIP	100 5% 1/10W
D1110	8-719-988-61	DIODE 1SS355TE-17					
D1111	8-719-988-61	DIODE 1SS355TE-17		R1049	1-216-833-11	METAL CHIP	10K 5% 1/10W
D1112	8-719-049-09	DIODE 1SS367-T3SONY		R1058	1-216-813-11	METAL CHIP	220 5% 1/10W (AEP, UK, RU)
D1113	8-719-049-09	DIODE 1SS367-T3SONY		R1059	1-216-813-11	METAL CHIP	220 5% 1/10W (AEP, UK, RU)
D1114	8-719-049-09	DIODE 1SS367-T3SONY					
D1301	8-719-988-61	DIODE 1SS355TE-17		R1065	1-216-809-11	METAL CHIP	100 5% 1/10W
				R1066	1-216-809-11	METAL CHIP	100 5% 1/10W
D1302	8-719-988-61	DIODE 1SS355TE-17					
		< FERRITE BEAD >		R1067	1-216-809-11	METAL CHIP	100 5% 1/10W
FB1101	1-400-862-11	BEAD, FERRITE		R1071	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
FB1302	1-400-862-11	BEAD, FERRITE		R1072	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
FB1305	1-400-862-11	BEAD, FERRITE		R1073	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
FB1306	1-400-862-11	BEAD, FERRITE		R1076	1-216-809-11	METAL CHIP	100 5% 1/10W
FB1308	1-400-862-11	BEAD, FERRITE					
FB1405	1-400-862-11	BEAD, FERRITE		R1077	1-216-809-11	METAL CHIP	100 5% 1/10W
FB1452	1-400-862-11	BEAD, FERRITE		R1078	1-216-809-11	METAL CHIP	100 5% 1/10W
FB1453	1-400-862-11	BEAD, FERRITE		R1082	1-216-809-11	METAL CHIP	100 5% 1/10W
FB1501	1-400-862-11	BEAD, FERRITE		R1083	1-216-833-11	METAL CHIP	10K 5% 1/10W
FB1502	1-400-862-11	BEAD, FERRITE		R1088	1-216-833-11	METAL CHIP	10K 5% 1/10W
FB1503	1-400-862-11	BEAD, FERRITE		R1094	1-216-833-11	METAL CHIP	10K 5% 1/10W (EXCEPT AEP, UK, RU)
				R1095	1-216-833-11	METAL CHIP	10K 5% 1/10W (EXCEPT AEP, UK, RU)
		< IC >		R1096	1-216-833-11	METAL CHIP	10K 5% 1/10W
IC1001	8-759-231-53	IC TA7805S		R1097	1-216-845-11	METAL CHIP	100K 5% 1/10W
IC1031	6-705-464-01	IC BA50BC0T		R1105	1-216-833-11	METAL CHIP	10K 5% 1/10W
IC1071	6-702-771-01	IC TA78033LS (AEP, UK, RU)					
IC1101	6-806-145-01	IC MB90488BPF-G-174E1		R1106	1-216-809-11	METAL CHIP	100 5% 1/10W
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G		R1107	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
				R1108	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
IC1131	6-704-004-01	IC BR24L16F-WE2		R1109	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
IC1301	8-759-825-15	IC LC89056W-E		R1112	1-216-809-11	METAL CHIP	100 5% 1/10W
IC1303	8-759-242-70	IC TC7WU04F					
IC1352	6-600-466-01	IC TORX147L (VIDEO 1/OPTICAL)(K780)		R1113	1-216-809-11	METAL CHIP	100 5% 1/10W
IC1353	6-600-466-01	IC TORX147L (VIDEO 2/OPTICAL)		R1115	1-216-809-11	METAL CHIP	100 5% 1/10W
				R1117	1-216-821-11	METAL CHIP	1K 5% 1/10W
IC1401	8-759-560-56	IC PCM1800E/2K		R1118	1-216-821-11	METAL CHIP	1K 5% 1/10W
IC1452	6-708-784-01	IC PCM1602APT		R1119	1-216-821-11	METAL CHIP	1K 5% 1/10W
IC1501	6-707-754-01	IC CXD9862R					
IC1502	6-704-832-01	IC IS61LV6416-10TLT		R1120	1-216-821-11	METAL CHIP	1K 5% 1/10W
IC1503	8-759-546-74	IC TC7WH157FU (TE12R)		R1121	1-216-809-11	METAL CHIP	100 5% 1/10W
				R1122	1-216-809-11	METAL CHIP	100 5% 1/10W
IC1901	6-707-168-01	IC SI-3008KWFE		R1123	1-216-809-11	METAL CHIP	100 5% 1/10W
IC1902	8-759-701-59	IC NJM78M09FA		R1124	1-216-809-11	METAL CHIP	100 5% 1/10W
IC1904	6-705-463-01	IC BA33BC0T					
		< JACK >		R1127	1-216-809-11	METAL CHIP	100 5% 1/10W
J1301	1-794-972-11	JACK, PIN 1P (DVD IN/COAXIAL)		R1128	1-216-809-11	METAL CHIP	100 5% 1/10W
				R1129	1-216-809-11	METAL CHIP	100 5% 1/10W
				R1134	1-216-809-11	METAL CHIP	100 5% 1/10W
				R1135	1-216-809-11	METAL CHIP	100 5% 1/10W
				R1136	1-216-809-11	METAL CHIP	100 5% 1/10W
				R1137	1-216-809-11	METAL CHIP	100 5% 1/10W

STR-K680/K780

Ver. 1.3

DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W	R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1142	1-216-809-11	METAL CHIP	100	5%	1/10W	R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W	R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1149	1-216-809-11	METAL CHIP	100	5%	1/10W	R1315	1-216-809-11	METAL CHIP	100	5%	1/10W
R1150	1-216-809-11	METAL CHIP	100	5%	1/10W	R1316	1-216-809-11	METAL CHIP	100	5%	1/10W
R1151	1-216-809-11	METAL CHIP	100	5%	1/10W	R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1152	1-216-809-11	METAL CHIP	100	5%	1/10W	R1352	1-216-809-11	METAL CHIP	100	5%	1/10W
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W	R1353	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W	R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1155	1-216-809-11	METAL CHIP	100	5%	1/10W	R1356	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1156	1-216-864-11	SHORT CHIP	0			R1357	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1157	1-216-864-11	SHORT CHIP	0			R1358	1-216-854-11	METAL CHIP	560K	5%	1/10W
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W	R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1161	1-216-809-11	METAL CHIP	100	5%	1/10W	R1362	1-216-809-11	METAL CHIP	100	5%	1/10W
R1162	1-216-809-11	METAL CHIP	100	5%	1/10W	R1363	1-216-809-11	METAL CHIP	100	5%	1/10W
R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1401	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(K780)	R1402	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1164	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1403	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(K780)	R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1164	1-216-864-11	SHORT CHIP	0 (K680)			R1425	1-216-864-11	SHORT CHIP	0		
R1167	1-216-809-11	METAL CHIP	100	5%	1/10W	R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1168	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1175	1-216-809-11	METAL CHIP	100	5%	1/10W	R1435	1-216-864-11	SHORT CHIP	0		
					(AEP, UK, RU)	R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1445	1-216-864-11	SHORT CHIP	0		
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1458	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1459	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1460	1-216-864-11	SHORT CHIP	0		
R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1461	1-216-864-11	SHORT CHIP	0		
R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1464	1-216-864-11	SHORT CHIP	0		
					(AEP, UK, RU)	R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1470	1-216-864-11	SHORT CHIP	0		
					(SP, SP6, AUS)	R1471	1-216-864-11	SHORT CHIP	0		
R1194	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1472	1-216-864-11	SHORT CHIP	0		
					(AR, MX)	R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1194	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1475	1-216-864-11	SHORT CHIP	0		
					(E51)	R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1198	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1484	1-216-864-11	SHORT CHIP	0		
R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1251	1-216-840-11	METAL CHIP	39K	5%	1/10W	R1491	1-216-864-11	SHORT CHIP	0		
R1252	1-216-840-11	METAL CHIP	39K	5%	1/10W	R1492	1-216-864-11	SHORT CHIP	0		
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1493	1-216-864-11	SHORT CHIP	0		
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1494	1-216-864-11	SHORT CHIP	0		
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1495	1-216-864-11	SHORT CHIP	0		
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W	R1503	1-216-813-11	METAL CHIP	220	5%	1/10W
R1305	1-216-819-11	METAL CHIP	680	5%	1/10W	R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W	R1505	1-216-809-11	METAL CHIP	100	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W	R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W	R1508	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W	R1509	1-216-809-11	METAL CHIP	100	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W	R1510	1-216-809-11	METAL CHIP	100	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W	R1511	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1512	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W			< CAPACITOR >			
R1515	1-216-857-11	METAL CHIP	1M	5%	1/10W						
R1517	1-216-813-11	METAL CHIP	220	5%	1/10W	C100	1-135-798-11	CERAMIC	0.22uF		50V
R1518	1-216-813-11	METAL CHIP	220	5%	1/10W	C101	1-135-798-11	CERAMIC	0.22uF		50V
R1519	1-216-813-11	METAL CHIP	220	5%	1/10W	C108	1-135-798-11	CERAMIC	0.22uF		50V
						C109	1-135-798-11	CERAMIC	0.22uF		50V
R1520	1-216-813-11	METAL CHIP	220	5%	1/10W	C110	1-127-868-11	CERAMIC	2200PF	10%	50V
R1521	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1522	1-216-813-11	METAL CHIP	220	5%	1/10W	C111	1-162-282-31	CERAMIC	100PF	10%	50V
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W	C112	1-162-282-31	CERAMIC	100PF	10%	50V
R1524	1-216-864-11	SHORT CHIP	0			C114	1-135-798-11	CERAMIC	0.22uF		50V
						C115	1-124-261-00	ELECT	10uF	20%	50V
R1525	1-216-813-11	METAL CHIP	220	5%	1/10W	C132	1-162-286-31	CERAMIC	220PF	10%	50V
R1526	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1527	1-216-813-11	METAL CHIP	220	5%	1/10W	C133	1-162-286-31	CERAMIC	220PF	10%	50V
R1528	1-216-813-11	METAL CHIP	220	5%	1/10W	C134	1-162-286-31	CERAMIC	220PF	10%	50V
R1531	1-216-813-11	METAL CHIP	220	5%	1/10W	C135	1-162-286-31	CERAMIC	220PF	10%	50V
						C136	1-162-286-31	CERAMIC	220PF	10%	50V
R1532	1-216-813-11	METAL CHIP	220	5%	1/10W	C137	1-162-286-31	CERAMIC	220PF	10%	50V
R1533	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1534	1-216-813-11	METAL CHIP	220	5%	1/10W	C138	1-162-286-31	CERAMIC	220PF	10%	50V
R1535	1-216-813-11	METAL CHIP	220	5%	1/10W	C139	1-162-286-31	CERAMIC	220PF	10%	50V
R1536	1-216-813-11	METAL CHIP	220	5%	1/10W	C140	1-162-286-31	CERAMIC	220PF	10%	50V
						C141	1-162-286-31	CERAMIC	220PF	10%	50V
R1537	1-216-813-11	METAL CHIP	220	5%	1/10W	C142	1-162-286-31	CERAMIC	220PF	10%	50V
R1538	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1539	1-216-813-11	METAL CHIP	220	5%	1/10W	C143	1-162-286-31	CERAMIC	220PF	10%	50V
R1540	1-216-813-11	METAL CHIP	220	5%	1/10W	C144	1-135-798-11	CERAMIC	0.22uF		50V
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W	C150	1-135-798-11	CERAMIC	0.22uF		50V
						C151	1-124-261-00	ELECT	10uF	20%	50V
R1542	1-216-813-11	METAL CHIP	220	5%	1/10W	C152	1-162-286-31	CERAMIC	220PF	10%	50V
R1543	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1544	1-216-813-11	METAL CHIP	220	5%	1/10W	C153	1-162-286-31	CERAMIC	220PF	10%	50V
R1545	1-216-813-11	METAL CHIP	220	5%	1/10W	C154	1-162-286-31	CERAMIC	220PF	10%	50V
R1546	1-216-813-11	METAL CHIP	220	5%	1/10W	C155	1-135-798-11	CERAMIC	0.22uF		50V
						C156	1-135-798-11	CERAMIC	0.22uF		50V
R1547	1-216-813-11	METAL CHIP	220	5%	1/10W	C157	1-135-798-11	CERAMIC	0.22uF		50V
R1548	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1549	1-216-813-11	METAL CHIP	220	5%	1/10W			< CONNECTOR >			
R1550	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1551	1-216-813-11	METAL CHIP	220	5%	1/10W	CNS100	1-784-780-11	CONNECTOR, FFC 19P			
R1552	1-216-813-11	METAL CHIP	220	5%	1/10W			< FLUORESCENT INDICATOR >			
R1553	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1554	1-216-813-11	METAL CHIP	220	5%	1/10W	FL101	1-518-966-11	VOCUUM FLUORESENT DISPLAYS			
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W			< IC >			
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W	IC100	8-759-643-83	IC uPD16315GB-3BS			
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W	IC101	8-759-243-51	IC TC74ACT08P			
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W	IC102	6-600-309-01	IC RPM7240-H9			
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W			< RESISTOR >			
R1635	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R101	1-249-409-11	CARBON	220	5%	1/4W
R1636	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R102	1-249-411-11	CARBON	330	5%	1/4W
						R103	1-249-413-11	CARBON	470	5%	1/4W
		< VIBRATOR >				R104	1-249-415-11	CARBON	680	5%	1/4W
						R105	1-247-831-91	CARBON	1K	5%	1/4W
X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR (24MHz)									
X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.88MHz)				R106	1-249-419-11	CARBON	1.5K	5%	1/4W
X1502	1-813-276-21	QUARTZ CRYSTAL (13.9MHz)				R107	1-249-421-11	CARBON	2.2K	5%	1/4W
*****						R108	1-247-847-91	CARBON	4.7K	5%	1/4W
						R111	1-249-409-11	CARBON	220	5%	1/4W
	A-1157-615-A	DISPLAY BOARD, COMPLETE (K680)				R112	1-249-411-11	CARBON	330	5%	1/4W
	A-1157-676-A	DISPLAY BOARD, COMPLETE (K780)									
*****						R113	1-249-413-11	CARBON	470	5%	1/4W
						R114	1-249-415-11	CARBON	680	5%	1/4W
						R116	1-249-419-11	CARBON	1.5K	5%	1/4W

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Ver. 1.2

DISPLAY	HEADPHONE	MAIN
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Ref. No.	Part No.	Description	Remark		
R137	1-249-419-11	CARBON	1.5K	5%	1/4W
R138	1-249-421-11	CARBON	2.2K	5%	1/4W
R139	1-247-847-91	CARBON	4.7K	5%	1/4W
R150	1-249-440-11	CARBON	82K	5%	1/4W
R153	1-247-807-31	CARBON	100	5%	1/4W
R172	1-247-807-31	CARBON	100	5%	1/4W
R173	1-247-807-31	CARBON	100	5%	1/4W
R174	1-247-807-31	CARBON	100	5%	1/4W
R175	1-249-393-11	CARBON	10	5%	1/4W
R198	1-249-381-11	CARBON	1	5%	1/4W (K680)
R198	1-249-385-11	CARBON	2.2	5%	1/4W (K780)
R199	1-249-381-11	CARBON	1	5%	1/4W (K680)
R199	1-249-385-11	CARBON	2.2	5%	1/4W (K780)
< VARIABLE RESISTOR >					
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
< SWITCH >					
S100	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S101	1-771-410-21	SWITCH, TACTILE (>)			
S102	1-771-410-21	SWITCH, TACTILE (-)			
S103	1-771-410-21	SWITCH, TACTILE (+)			
S104	1-771-410-21	SWITCH, TACTILE (<)			
S105	1-771-410-21	SWITCH, TACTILE (FM)			
S106	1-771-410-21	SWITCH, TACTILE (AM)			
S107	1-771-410-21	SWITCH, TACTILE (MAIN MENU)			
S108	1-771-410-21	SWITCH, TACTILE (ENTER)			
S110	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S111	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S112	1-771-410-21	SWITCH, TACTILE (A. F. D.)			
S113	1-771-410-21	SWITCH, TACTILE (2CH)			
S116	1-771-410-21	SWITCH, TACTILE (SA-CD/CD)			
S137	1-771-410-21	SWITCH, TACTILE (VIDEO 1)			
S138	1-771-410-21	SWITCH, TACTILE (VIDEO 2)			
S139	1-771-410-21	SWITCH, TACTILE (DVD)			

HEADPHONE BOARD					

< CONNECTOR >					
CNP701	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
< JACK >					
J700	1-815-314-21	JACK (PHONES)			

	A-1157-611-A	MAIN BOARD, COMPLETE (E51)			
	A-1157-659-A	MAIN BOARD, COMPLETE (MX)			
	A-1157-667-A	MAIN BOARD, COMPLETE (AR)			
	A-1157-674-A	MAIN BOARD, COMPLETE (K780)			

	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			

Ref. No.	Part No.	Description	Remark		
< CAPACITOR >					
C400	1-127-888-11	CERAMIC	0.1uF	10%	50V (K780)
C402	1-126-964-11	ELECT	10uF	20%	50V
C403	1-162-294-31	CERAMIC	0.001uF	10%	50V
C404	1-162-294-31	CERAMIC	0.001uF	10%	50V
C421	1-126-963-11	ELECT	4.7uF	20%	50V
C422	1-126-963-11	ELECT	4.7uF	20%	50V
C423	1-126-963-11	ELECT	4.7uF	20%	50V
C424	1-126-963-11	ELECT	4.7uF	20%	50V
C425	1-126-963-11	ELECT	4.7uF	20%	50V
C426	1-126-963-11	ELECT	4.7uF	20%	50V
C431	1-126-961-11	ELECT	2.2uF	20%	50V
C432	1-126-961-11	ELECT	2.2uF	20%	50V
C433	1-126-961-11	ELECT	2.2uF	20%	50V
C434	1-126-961-11	ELECT	2.2uF	20%	50V
C435	1-126-961-11	ELECT	2.2uF	20%	50V
C436	1-126-961-11	ELECT	2.2uF	20%	50V
C446	1-126-963-11	ELECT	4.7uF	20%	50V
C452	1-126-964-11	ELECT	10uF	20%	50V
C471	1-104-658-91	ELECT	100uF	20%	10V
C472	1-127-888-11	CERAMIC	0.1uF	10%	50V
C482	1-127-888-11	CERAMIC	0.1uF	10%	50V
C484	1-127-888-11	CERAMIC	0.1uF	10%	50V
C500	1-128-579-11	ELECT	2.2uF	20%	100V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C502	1-128-809-11	CERAMIC	100PF	5%	50V
C503	1-128-809-11	CERAMIC	100PF	5%	50V
C504	1-102-233-00	CERAMIC	33PF	10%	500V
C506	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C507	1-104-658-91	ELECT	100uF	20%	10V
C508	1-126-947-11	ELECT	47uF	20%	35V
C511	1-162-815-11	CERAMIC	47PF	5%	500V
C512	1-162-815-11	CERAMIC	47PF	5%	500V
C513	1-128-813-11	CERAMIC	220PF	5%	50V
C514	1-127-876-11	CERAMIC	0.01uF	10%	50V
C515	1-126-964-11	ELECT	10uF	20%	50V
C516	1-136-157-00	FILM	0.022uF	5%	50V
C529	1-127-876-11	CERAMIC	0.01uF	10%	50V
C549	1-127-876-11	CERAMIC	0.01uF	10%	50V
C551	1-126-963-11	ELECT	4.7uF	20%	50V
C552	1-128-809-11	CERAMIC	100PF	5%	50V
C553	1-128-809-11	CERAMIC	100PF	5%	50V
C554	1-102-233-00	CERAMIC	33PF	10%	500V
C556	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C557	1-104-658-91	ELECT	100uF	20%	10V
C558	1-126-947-11	ELECT	47uF	20%	35V
C561	1-162-815-11	CERAMIC	47PF	5%	500V
C562	1-162-815-11	CERAMIC	47PF	5%	500V
C563	1-128-813-11	CERAMIC	220PF	5%	50V
C564	1-127-876-11	CERAMIC	0.01uF	10%	50V
C565	1-126-964-11	ELECT	10uF	20%	50V
C566	1-136-157-00	FILM	0.022uF	5%	50V
C590	1-136-171-00	FILM	0.33uF	5%	50V (K680)
C592	1-136-175-00	FILM	0.68uF	5%	50V (K680)

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C593	1-136-159-00	FILM	0.033uF	5%	50V (K680)	C761	1-162-815-11	CERAMIC	47PF	5%	500V (K680)
C594	1-136-171-00	FILM	0.33uF	5%	50V (K680)	C762	1-162-815-11	CERAMIC	47PF	5%	500V (K680)
C600	1-128-579-11	ELECT	2.2uF	20%	100V	C763	1-128-813-11	CERAMIC	220PF	5%	50V (K680)
C601	1-126-963-11	ELECT	4.7uF	20%	50V	C766	1-136-157-00	FILM	0.022uF	5%	50V (K680)
C602	1-128-809-11	CERAMIC	100PF	5%	50V	C801	1-135-798-11	CERAMIC	0.22uF		50V
C603	1-128-809-11	CERAMIC	100PF	5%	50V	C802	1-135-798-11	CERAMIC	0.22uF		50V
C604	1-102-233-00	CERAMIC	33PF	10%	500V	C803	1-126-936-11	ELECT	3300uF	20%	16V
C606	1-107-583-11	CERAMIC	3PF	0.25PF	500V	C806	1-126-947-11	ELECT	47uF	20%	35V
C607	1-104-658-91	ELECT	100uF	20%	10V	C807	1-126-947-11	ELECT	47uF	20%	35V
C608	1-126-947-11	ELECT	47uF	20%	35V	C808	1-126-947-11	ELECT	47uF	20%	35V
C611	1-162-815-11	CERAMIC	47PF	5%	500V	C811	1-135-851-21	MYLAR	0.22uF		100V
C612	1-162-815-11	CERAMIC	47PF	5%	500V	C812	1-135-851-21	MYLAR	0.22uF		100V
C613	1-128-813-11	CERAMIC	220PF	5%	50V	C813	1-100-968-11	ELECT	4700uF	20%	63V
C614	1-127-876-11	CERAMIC	0.01uF	10%	50V	C814	1-100-968-11	ELECT	4700uF	20%	63V
C615	1-126-964-11	ELECT	10uF	20%	50V	C815	1-128-582-11	ELECT	10uF	20%	100V
C616	1-136-157-00	FILM	0.022uF	5%	50V	C816	1-128-582-11	ELECT	10uF	20%	100V
C651	1-126-963-11	ELECT	4.7uF	20%	50V	C821	1-127-888-11	CERAMIC	0.1uF	10%	50V
C652	1-128-809-11	CERAMIC	100PF	5%	50V	C822	1-127-888-11	CERAMIC	0.1uF	10%	50V
C653	1-128-809-11	CERAMIC	100PF	5%	50V	C823	1-126-947-11	ELECT	47uF	20%	35V
C654	1-102-233-00	CERAMIC	33PF	10%	500V	C824	1-126-947-11	ELECT	47uF	20%	35V
C656	1-107-583-11	CERAMIC	3PF	0.25PF	500V	C842	1-112-128-11	ELECT	47uF	20%	25V
C657	1-104-658-91	ELECT	100uF	20%	10V	C851	1-127-888-11	CERAMIC	0.1uF	10%	50V
C658	1-126-947-11	ELECT	47uF	20%	35V	C881	1-126-934-11	ELECT	220uF	20%	16V
C661	1-162-815-11	CERAMIC	47PF	5%	500V	C882	1-126-964-11	ELECT	10uF	20%	50V
C662	1-162-815-11	CERAMIC	47PF	5%	500V	< CAPACITOR >					
C663	1-128-813-11	CERAMIC	220PF	5%	50V	CC01	1-128-809-11	CERAMIC	100PF	5%	50V (K780)
C664	1-127-876-11	CERAMIC	0.01uF	10%	50V	CC02	1-128-809-11	CERAMIC	100PF	5%	50V (K780)
C665	1-126-964-11	ELECT	10uF	20%	50V	CC03	1-128-809-11	CERAMIC	100PF	5%	50V (K780)
C666	1-136-157-00	FILM	0.022uF	5%	50V	CC04	1-128-809-11	CERAMIC	100PF	5%	50V (K780)
C700	1-128-579-11	ELECT	2.2uF	20%	100V	CC11	1-127-876-11	CERAMIC	0.01uF	10%	50V (K780)
C701	1-126-963-11	ELECT	4.7uF	20%	50V	CC12	1-127-876-11	CERAMIC	0.01uF	10%	50V (K780)
C702	1-128-809-11	CERAMIC	100PF	5%	50V	CC13	1-127-876-11	CERAMIC	0.01uF	10%	50V (K780)
C703	1-128-809-11	CERAMIC	100PF	5%	50V	CC14	1-127-876-11	CERAMIC	0.01uF	10%	50V (K780)
C704	1-102-233-00	CERAMIC	33PF	10%	500V	CC15	1-127-876-11	CERAMIC	0.01uF	10%	50V (K780)
C706	1-107-583-11	CERAMIC	3PF	0.25PF	500V	CC51	1-128-809-11	CERAMIC	100PF	5%	50V (K780)
C707	1-104-658-91	ELECT	100uF	20%	10V	CC52	1-128-809-11	CERAMIC	100PF	5%	50V (K780)
C708	1-126-947-11	ELECT	47uF	20%	35V	CC53	1-128-809-11	CERAMIC	100PF	5%	50V (K780)
C711	1-162-815-11	CERAMIC	47PF	5%	500V	CC54	1-128-809-11	CERAMIC	100PF	5%	50V (K780)
C712	1-162-815-11	CERAMIC	47PF	5%	500V	< CONNECTOR >					
C713	1-128-813-11	CERAMIC	220PF	5%	50V	CN504	1-779-978-11	PIN, CONNECTOR 3P			
C714	1-127-876-11	CERAMIC	0.01uF	10%	50V						
C715	1-126-964-11	ELECT	10uF	20%	50V						
C716	1-136-157-00	FILM	0.022uF	5%	50V						
C729	1-127-876-11	CERAMIC	0.01uF	10%	50V						
C751	1-126-963-11	ELECT	4.7uF	20%	50V (K680)						
C753	1-128-809-11	CERAMIC	100PF	5%	50V (K680)						
C754	1-102-233-00	CERAMIC	33PF	10%	500V (K680)						
C756	1-107-583-11	CERAMIC	3PF	0.25PF	500V (K680)						
C757	1-104-658-91	ELECT	100uF	20%	10V (K680)						
C758	1-126-947-11	ELECT	47uF	20%	35V (K680)						

STR-K680/K780

Ver. 1.2

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< CONNECTOR >					
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P		J403	1-770-377-21	JACK, PIN 1P (SUB WOOFER)(K780)	
* CNP502	1-766-715-11	CONNECTOR, BOARD TO BOARD 10P				< RESISTOR >	
CNP503	1-779-799-11	PIN, CONNECTOR 9P		JW753	1-247-873-91	CARBON 56K 5% 1/4W (K780)	
* CNP901	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P				< TRANSISTOR >	
CNP902	1-691-767-11	PLUG (MICRO CONNECTOR) 5P					
CNP916	1-766-200-11	SOCKET, CONNECTOR PIN 5P					
		< DIODE >					
D448	8-719-991-33	DIODE 1SS133T-77 (K680)		Q471	8-729-922-37	TRANSISTOR 2SD2144S-TP-UVW	
D449	8-719-991-33	DIODE 1SS133T-77 (K680)		Q501	8-729-661-93	TRANSISTOR 2SA1115TP-EF	
D501	8-719-991-33	DIODE 1SS133T-77		Q502	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
D502	8-719-991-33	DIODE 1SS133T-77		Q505	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D503	8-719-991-33	DIODE 1SS133T-77		Q506	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D529	8-719-991-33	DIODE 1SS133T-77		Q507	8-729-281-53	TRANSISTOR 2SC1815-GR	
D549	8-719-991-33	DIODE 1SS133T-77		Q508	8-729-920-69	TRANSISTOR 2SC1740S-QRT	
D551	8-719-991-33	DIODE 1SS133T-77		Q509	8-729-920-69	TRANSISTOR 2SC1740S-QRT	
D552	8-719-991-33	DIODE 1SS133T-77		Q551	8-729-661-93	TRANSISTOR 2SA1115TP-EF	
D601	8-719-991-33	DIODE 1SS133T-77		Q552	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
D602	8-719-991-33	DIODE 1SS133T-77		Q555	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D603	8-719-991-33	DIODE 1SS133T-77		Q556	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D651	8-719-991-33	DIODE 1SS133T-77		Q557	8-729-281-53	TRANSISTOR 2SC1815-GR	
D652	8-719-991-33	DIODE 1SS133T-77		Q560	8-729-920-69	TRANSISTOR 2SC1740S-QRT (K780)	
D701	8-719-991-33	DIODE 1SS133T-77		Q601	8-729-661-93	TRANSISTOR 2SA1115TP-EF	
D702	8-719-991-33	DIODE 1SS133T-77		Q602	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
D703	8-719-991-33	DIODE 1SS133T-77		Q605	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D729	8-719-991-33	DIODE 1SS133T-77		Q606	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D751	8-719-991-33	DIODE 1SS133T-77 (K680)		Q607	8-729-205-12	TRANSISTOR 2SC1815GR-TPE2	
D752	8-719-991-33	DIODE 1SS133T-77 (K780)		Q608	8-729-920-69	TRANSISTOR 2SC1740S-QRT	
D791	8-719-991-33	DIODE 1SS133T-77		Q651	8-729-661-93	TRANSISTOR 2SA1115TP-EF	
D801	8-719-933-95	DIODE HZS20-1L		Q652	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
D802	8-719-068-28	DIODE HZ6.8BP-TK		Q655	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D804	6-500-522-11	DIODE 10EDB40-TA2B5		Q656	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D805	6-500-522-11	DIODE 10EDB40-TA2B5		Q657	8-729-205-12	TRANSISTOR 2SC1815GR-TPE2	
D806	6-500-522-11	DIODE 10EDB40-TA2B5		Q701	8-729-661-93	TRANSISTOR 2SA1115TP-EF	
D807	6-500-522-11	DIODE 10EDB40-TA2B5		Q702	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
D811	8-719-081-52	DIODE D5SBA20-4003		Q705	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D821	8-719-043-76	DIODE AK04V0		Q706	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D841	8-719-921-48	DIODE MTZJ-5.6C		Q707	8-729-205-12	TRANSISTOR 2SC1815GR-TPE2	
D851	8-719-991-34	DIODE 1SS133T-72		Q708	8-729-920-69	TRANSISTOR 2SC1740S-QRT	
D881	8-719-991-34	DIODE 1SS133T-72		Q751	8-729-661-93	TRANSISTOR 2SA1115TP-EF (K680)	
D882	8-719-991-34	DIODE 1SS133T-72		Q752	8-729-141-30	TRANSISTOR 2SC3623ATP-LK (K680)	
D883	8-719-991-34	DIODE 1SS133T-72		Q755	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP (K680)	
		< IC >		Q756	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP (K680)	
IC400	6-707-169-01	IC M61542FP		Q801	8-729-140-97	TRANSISTOR 2SB734-T-34	
IC501	6-600-450-01	IC STK350-530-E		Q851	8-729-205-12	TRANSISTOR 2SC1815GR-TPE2	
IC502	8-759-167-88	IC NJM4565D (K680)		Q852	8-729-029-41	TRANSISTOR DTA124ESA-TP	
IC601	6-600-450-01	IC STK350-530-E		Q881	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
IC701	6-600-450-01	IC STK350-530-E		Q882	8-729-920-69	TRANSISTOR 2SC1740S-QRT	
IC821	8-759-071-48	IC TA7807S		Q883	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
IC822	8-759-071-47	IC TA79007S				< RESISTOR >	
IC850	8-759-167-88	IC NJM4565D		R401	1-247-831-91	CARBON 1K 5% 1/4W	
		< JACK >		R402	1-247-831-91	CARBON 1K 5% 1/4W	
J400	1-774-411-11	JACK, PIN 6P (SA-CD/CD,DVD,VIDEO 2)		R403	1-247-831-91	CARBON 1K 5% 1/4W	
J402	1-815-045-11	JACK, PIN 2P (VIDEO 1)		R404	1-247-831-91	CARBON 1K 5% 1/4W	
				R406	1-247-807-31	CARBON 100 5% 1/4W	
				R407	1-247-807-31	CARBON 100 5% 1/4W	
				R416	1-247-831-91	CARBON 1K 5% 1/4W	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R449	1-247-831-91	CARBON	1K	5%	1/4W (K680)	R566	1-247-843-11	CARBON	3.3K	5%	1/4W
R451	1-247-831-91	CARBON	1K	5%	1/4W	R567	1-249-431-11	CARBON	15K	5%	1/4W
R452	1-247-831-91	CARBON	1K	5%	1/4W	R568	1-247-863-91	CARBON	22K	5%	1/4W
R453	1-247-831-91	CARBON	1K	5%	1/4W	R569	1-247-863-91	CARBON	22K	5%	1/4W
R454	1-247-831-91	CARBON	1K	5%	1/4W	R570	1-249-439-11	CARBON	68K	5%	1/4W
R469	1-247-831-91	CARBON	1K	5%	1/4W (K780)	△ R571	1-249-393-11	CARBON	10	5%	1/4W
R471	1-249-415-11	CARBON	680	5%	1/4W	R572	1-247-871-91	CARBON	47K	5%	1/4W
R472	1-247-831-91	CARBON	1K	5%	1/4W	R591	1-249-421-11	CARBON	2.2K	5%	1/4W (K680)
R473	1-249-421-11	CARBON	2.2K	5%	1/4W	R593	1-247-874-11	CARBON	62K	5%	1/4W (K680)
R479	1-249-421-11	CARBON	2.2K	5%	1/4W	R594	1-247-863-91	CARBON	22K	5%	1/4W (K680)
R500	1-247-871-91	CARBON	47K	5%	1/4W	R595	1-249-427-11	CARBON	6.8K	5%	1/4W (K680)
R501	1-247-831-91	CARBON	1K	5%	1/4W	R596	1-249-427-11	CARBON	6.8K	5%	1/4W (K680)
R502	1-249-439-11	CARBON	68K	5%	1/4W	R597	1-247-887-00	CARBON	220K	5%	1/4W (K680)
R503	1-249-422-11	CARBON	2.7K	5%	1/4W	R600	1-247-871-91	CARBON	47K	5%	1/4W
R504	1-249-439-11	CARBON	68K	5%	1/4W	R601	1-247-831-91	CARBON	1K	5%	1/4W
R505	1-249-421-11	CARBON	2.2K	5%	1/4W	R602	1-249-439-11	CARBON	68K	5%	1/4W
R506	1-249-440-11	CARBON	82K	5%	1/4W	R603	1-249-422-11	CARBON	2.7K	5%	1/4W
R507	1-249-414-11	CARBON	560	5%	1/4W	R604	1-249-439-11	CARBON	68K	5%	1/4W
△ R508	1-249-405-11	CARBON	100	5%	1/4W	R605	1-249-421-11	CARBON	2.2K	5%	1/4W
△ R509	1-249-405-11	CARBON	100	5%	1/4W	R606	1-249-440-11	CARBON	82K	5%	1/4W
△ R510	1-234-182-11	ENCAPSULATED COMPONENT				R607	1-249-414-11	CARBON	560	5%	1/4W
R511	1-247-847-91	CARBON	4.7K	5%	1/4W	△ R608	1-249-405-11	CARBON	100	5%	1/4W
△ R512	1-240-855-81	CARBON	6.2K	5%	1/4W	△ R609	1-249-405-11	CARBON	100	5%	1/4W
R513	1-249-419-11	CARBON	1.5K	5%	1/4W	△ R610	1-234-182-11	ENCAPSULATED COMPONENT			
R514	1-249-431-11	CARBON	15K	5%	1/4W	R611	1-247-847-91	CARBON	4.7K	5%	1/4W
R515	1-247-863-91	CARBON	22K	5%	1/4W	△ R612	1-240-855-81	CARBON	6.2K	5%	1/4W
R516	1-247-843-11	CARBON	3.3K	5%	1/4W	R613	1-249-419-11	CARBON	1.5K	5%	1/4W
R517	1-249-431-11	CARBON	15K	5%	1/4W	R614	1-249-431-11	CARBON	15K	5%	1/4W
R518	1-247-863-91	CARBON	22K	5%	1/4W	R615	1-247-863-91	CARBON	22K	5%	1/4W
R519	1-247-863-91	CARBON	22K	5%	1/4W	R616	1-247-843-11	CARBON	3.3K	5%	1/4W
R520	1-249-439-11	CARBON	68K	5%	1/4W	R617	1-249-431-11	CARBON	15K	5%	1/4W
△ R521	1-249-393-11	CARBON	10	5%	1/4W	R618	1-247-863-91	CARBON	22K	5%	1/4W
R522	1-247-871-91	CARBON	47K	5%	1/4W	R619	1-247-863-91	CARBON	22K	5%	1/4W
△ R524	1-249-404-00	CARBON	82	5%	1/4W	R620	1-249-439-11	CARBON	68K	5%	1/4W
R525	1-249-421-11	CARBON	2.2K	5%	1/4W	△ R621	1-249-393-11	CARBON	10	5%	1/4W
R529	1-247-871-91	CARBON	47K	5%	1/4W	R622	1-247-871-91	CARBON	47K	5%	1/4W
R531	1-215-868-00	METAL OXIDE	680	5%	1W	△ R624	1-249-404-00	CARBON	82	5%	1/4W
R532	1-215-868-00	METAL OXIDE	680	5%	1W	R625	1-249-421-11	CARBON	2.2K	5%	1/4W
R539	1-247-879-91	CARBON	100K	5%	1/4W	R651	1-247-831-91	CARBON	1K	5%	1/4W
R549	1-247-871-91	CARBON	47K	5%	1/4W	R652	1-249-439-11	CARBON	68K	5%	1/4W
R550	1-247-879-91	CARBON	100K	5%	1/4W	R653	1-249-422-11	CARBON	2.7K	5%	1/4W
R551	1-247-831-91	CARBON	1K	5%	1/4W	R654	1-249-439-11	CARBON	68K	5%	1/4W
R552	1-249-439-11	CARBON	68K	5%	1/4W	R655	1-249-421-11	CARBON	2.2K	5%	1/4W
R553	1-249-422-11	CARBON	2.7K	5%	1/4W	R656	1-249-440-11	CARBON	82K	5%	1/4W
R554	1-249-439-11	CARBON	68K	5%	1/4W	△ R657	1-249-414-11	CARBON	560	5%	1/4W
R555	1-249-421-11	CARBON	2.2K	5%	1/4W	△ R658	1-249-405-11	CARBON	100	5%	1/4W
R556	1-249-440-11	CARBON	82K	5%	1/4W	R659	1-249-405-11	CARBON	100	5%	1/4W
R557	1-249-414-11	CARBON	560	5%	1/4W	△ R660	1-234-182-11	ENCAPSULATED COMPONENT			
△ R558	1-249-405-11	CARBON	100	5%	1/4W	R661	1-247-847-91	CARBON	4.7K	5%	1/4W
△ R559	1-249-405-11	CARBON	100	5%	1/4W	△ R662	1-240-855-81	CARBON	6.2K	5%	1/4W
△ R560	1-234-182-11	ENCAPSULATED COMPONENT				R663	1-249-419-11	CARBON	1.5K	5%	1/4W
R561	1-247-847-91	CARBON	4.7K	5%	1/4W	R664	1-249-431-11	CARBON	15K	5%	1/4W
△ R562	1-240-855-81	CARBON	6.2K	5%	1/4W						
R563	1-249-419-11	CARBON	1.5K	5%	1/4W						
R564	1-249-431-11	CARBON	15K	5%	1/4W						
R565	1-247-863-91	CARBON	22K	5%	1/4W						

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MAIN

Ref. No.	Part No.	Description				Remark
R665	1-247-863-91	CARBON	22K	5%	1/4W	
R666	1-247-843-11	CARBON	3.3K	5%	1/4W	
R667	1-249-431-11	CARBON	15K	5%	1/4W	
R668	1-247-863-91	CARBON	22K	5%	1/4W	
R669	1-247-863-91	CARBON	22K	5%	1/4W	
R670	1-249-439-11	CARBON	68K	5%	1/4W	
△ R671	1-249-393-11	CARBON	10	5%	1/4W	
R672	1-247-871-91	CARBON	47K	5%	1/4W	
R700	1-247-871-91	CARBON	47K	5%	1/4W	
R701	1-247-831-91	CARBON	1K	5%	1/4W	
R702	1-249-439-11	CARBON	68K	5%	1/4W	
R703	1-249-422-11	CARBON	2.7K	5%	1/4W	
R704	1-249-439-11	CARBON	68K	5%	1/4W	
R705	1-249-421-11	CARBON	2.2K	5%	1/4W	
R706	1-249-440-11	CARBON	82K	5%	1/4W	
△ R707	1-249-414-11	CARBON	560	5%	1/4W	
△ R708	1-249-405-11	CARBON	100	5%	1/4W	
R709	1-249-405-11	CARBON	100	5%	1/4W	
△ R710	1-234-182-11	ENCAPSULATED COMPONENT				
R711	1-247-847-91	CARBON	4.7K	5%	1/4W	
△ R712	1-240-855-81	CARBON	6.2K	5%	1/4W	
R713	1-249-419-11	CARBON	1.5K	5%	1/4W	
R714	1-249-431-11	CARBON	15K	5%	1/4W	
R715	1-247-863-91	CARBON	22K	5%	1/4W	
R716	1-247-843-11	CARBON	3.3K	5%	1/4W	
R717	1-249-431-11	CARBON	15K	5%	1/4W	
R718	1-247-863-91	CARBON	22K	5%	1/4W	
R719	1-247-863-91	CARBON	22K	5%	1/4W	
R720	1-249-439-11	CARBON	68K	5%	1/4W	
△ R721	1-249-393-11	CARBON	10	5%	1/4W	
R722	1-247-871-91	CARBON	47K	5%	1/4W	
△ R724	1-249-404-00	CARBON	82	5%	1/4W	
R725	1-249-421-11	CARBON	2.2K	5%	1/4W	
R729	1-247-871-91	CARBON	47K	5%	1/4W	
R740	1-247-879-91	CARBON	100K	5%	1/4W	
R751	1-247-831-91	CARBON	1K	5%	1/4W	
R752	1-247-873-91	CARBON	56K	5%	1/4W	(K680)
R752	1-249-439-11	CARBON	68K	5%	1/4W	(K780)
R753	1-249-421-11	CARBON	2.2K	5%	1/4W	(K680)
R754	1-249-439-11	CARBON	68K	5%	1/4W	(K680)
R755	1-249-421-11	CARBON	2.2K	5%	1/4W	(K680)
R756	1-249-440-11	CARBON	82K	5%	1/4W	(K680)
R757	1-249-414-11	CARBON	560	5%	1/4W	(K680)
△ R758	1-249-405-11	CARBON	100	5%	1/4W	(K680)
△ R759	1-249-405-11	CARBON	100	5%	1/4W	(K680)
△ R760	1-234-182-11	ENCAPSULATED COMPONENT (K680)				
R761	1-247-847-91	CARBON	4.7K	5%	1/4W	(K680)
△ R762	1-240-855-81	CARBON	6.2K	5%	1/4W	(K680)

Ref. No.	Part No.	Description				Remark
R763	1-249-419-11	CARBON	1.5K	5%	1/4W	(K680)
R764	1-249-431-11	CARBON	15K	5%	1/4W	(K680)
R765	1-249-421-91	CARBON	2.2K	5%	1/4W	(K680)
R766	1-247-863-91	CARBON	22K	5%	1/4W	(K680)
R770	1-249-439-11	CARBON	68K	5%	1/4W	(K680)
△ R771	1-249-393-11	CARBON	10	5%	1/4W	(K680)
R772	1-247-871-91	CARBON	47K	5%	1/4W	(K680)
R780	1-247-847-91	CARBON	4.7K	5%	1/4W	(K780)
R783	1-247-871-91	CARBON	47K	5%	1/4W	(K780)
R791	1-249-421-11	CARBON	2.2K	5%	1/4W	
△ R793	1-249-404-00	CARBON	82	5%	1/4W	
△ R802	1-249-409-11	CARBON	220	5%	1/4W	(K780)
△ R803	1-249-389-11	CARBON	4.7	5%	1/4W	
R804	1-249-429-11	CARBON	10K	5%	1/4W	
R806	1-247-863-91	CARBON	22K	5%	1/4W	
R815	1-249-381-11	CARBON	1	5%	1/4W	
R816	1-249-381-11	CARBON	1	5%	1/4W	
R840	1-249-427-11	CARBON	6.8K	5%	1/4W	
R843	1-247-863-91	CARBON	22K	5%	1/4W	
R844	1-247-863-91	CARBON	22K	5%	1/4W	
R851	1-249-429-11	CARBON	10K	5%	1/4W	
R852	1-249-429-11	CARBON	10K	5%	1/4W	
R853	1-249-429-11	CARBON	10K	5%	1/4W	
R854	1-249-435-11	CARBON	33K	5%	1/4W	
R855	1-247-887-00	CARBON	220K	5%	1/4W	
R856	1-247-895-00	CARBON	470K	5%	1/4W	
R857	1-249-429-11	CARBON	10K	5%	1/4W	
R858	1-215-890-00	METAL OXIDE	470	5%	2W	(E51, AR)
R858	1-215-889-00	METAL OXIDE	330	5%	2W	(EXCEPT E51, AR)
R859	1-215-888-00	METAL OXIDE	220	5%	2W	(MX)
R859	1-216-453-00	METAL OXIDE	270	5%	2W	(K780)
R882	1-249-429-11	CARBON	10K	5%	1/4W	
R883	1-249-427-11	CARBON	6.8K	5%	1/4W	
R884	1-249-436-11	CARBON	39K	5%	1/4W	
R885	1-247-831-91	CARBON	1K	5%	1/4W	
△ R910	1-243-635-11	FUSIBLE	0.33	5%	1/2W	
< RESISTOR >						
△ RR11	1-249-393-11	CARBON	10	5%	1/4W	(K780)
△ RR12	1-249-393-11	CARBON	10	5%	1/4W	(K780)
△ RR13	1-249-393-11	CARBON	10	5%	1/4W	(K780)
△ RR14	1-249-393-11	CARBON	10	5%	1/4W	(K780)

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VIDEO

Ref. No.	Part No.	Description	Remark			
		VIDEO BOARD (K780)	*****			
		< CAPACITOR >				
C201	1-128-805-11	CERAMIC	47PF	5%	50V	
C206	1-126-964-11	ELECT	10uF	20%	50V	
C207	1-126-964-11	ELECT	10uF	20%	50V	
C208	1-126-964-11	ELECT	10uF	20%	50V	
C210	1-126-964-11	ELECT	10uF	20%	50V	
C213	1-126-934-11	ELECT	220uF	20%	16V	
C214	1-164-159-11	CERAMIC	0.1uF		50V	
C215	1-164-159-11	CERAMIC	0.1uF		50V	
C248	1-128-825-11	CERAMIC	2200PF	5%	50V	
C250	1-128-825-11	CERAMIC	2200PF	5%	50V	
C251	1-126-964-11	ELECT	10uF	20%	50V	
C252	1-126-964-11	ELECT	10uF	20%	50V	
C253	1-126-964-11	ELECT	10uF	20%	50V	
C254	1-126-964-11	ELECT	10uF	20%	50V	
C255	1-126-964-11	ELECT	10uF	20%	50V	
C256	1-126-964-11	ELECT	10uF	20%	50V	
C257	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C258	1-126-947-11	ELECT	47uF	20%	35V	
C259	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C260	1-126-947-11	ELECT	47uF	20%	35V	
C809	1-126-934-11	ELECT	220uF	20%	16V	
C825	1-164-159-11	CERAMIC	0.1uF		50V	
C826	1-164-159-11	CERAMIC	0.1uF		50V	
		< CONNECTOR >				
CNP156	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				
CNS250	1-569-315-11	SOCKET, CONNECTOR 5P				
		< IC >				
IC203	8-759-333-84	IC NJM2279D				
IC251	6-707-363-01	IC NJM2586AL				
IC804	8-759-245-79	IC TA79005S				
IC807	8-759-231-53	IC TA7805S				
		< JACK >				
J201	1-815-043-11	JACK, PIN 2P	(VIDEO IN/VIDEO 1, VIDEO OUT/MONITOR)			
J203	1-815-043-11	JACK, PIN 2P	(VIDEO IN/DVD, VIIDEO IN/VIDEO 2)			
J251	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO)				
		< RESISTOR >				
R201	1-247-804-11	CARBON	75	5%	1/4W	
R218	1-247-804-11	CARBON	75	5%	1/4W	
R220	1-247-804-11	CARBON	75	5%	1/4W	
R221	1-247-804-11	CARBON	75	5%	1/4W	
R250	1-247-804-11	CARBON	75	5%	1/4W	
R251	1-247-804-11	CARBON	75	5%	1/4W	
R252	1-247-804-11	CARBON	75	5%	1/4W	
R253	1-247-831-91	CARBON	1K	5%	1/4W	
R254	1-247-831-91	CARBON	1K	5%	1/4W	
R255	1-247-831-91	CARBON	1K	5%	1/4W	
R256	1-247-804-11	CARBON	75	5%	1/4W	
R257	1-247-804-11	CARBON	75	5%	1/4W	

Ref. No.	Part No.	Description	Remark			
R258	1-247-804-11	CARBON	75	5%	1/4W	
R259	1-247-804-11	CARBON	75	5%	1/4W	
R260	1-247-804-11	CARBON	75	5%	1/4W	
R261	1-247-804-11	CARBON	75	5%	1/4W	
R262	1-247-863-91	CARBON	22K	5%	1/4W	

		MISCELLANEOUS	*****			
8	1-829-004-11	WIRE (FLAT TYPE) (19 CORE)				
△ 59	1-696-847-11	CORD, POWER (AUS)				
△ 59	1-777-071-82	CORD, POWER (E51, AEP, UK, RU, SP, SP6)				
△ 59	1-783-941-11	CORD, POWER (AR)				
△ 59	1-829-627-11	POWER-SUPPLY CORD (MX)				
61	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)	(EXCEPT AEP, UK, RU)			
61	1-828-980-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, RU)				
62	1-828-936-11	WIRE (FLAT TYPE) (5 CORE) (K780)				
△ F901	1-532-203-00	FUSE, TIME-LAG (T2A/250V)(E51)				
△ F901	1-532-350-00	FUSE, TIME-LAG (T4A/250V)(MX)				
△ F901	1-532-464-33	FUSE (T2.5AL/250V)(EXCEPT E51, MX)				
Q503	6-702-390-01	IC MN2488-OPY-MK				
Q504	6-702-391-01	IC MP1620-OPY-MK				
Q553	6-702-390-01	IC MN2488-OPY-MK				
Q554	6-702-391-01	IC MP1620-OPY-MK				
Q603	6-702-390-01	IC MN2488-OPY-MK				
Q604	6-702-391-01	IC MP1620-OPY-MK				
Q653	6-702-390-01	IC MN2488-OPY-MK				
Q654	6-702-391-01	IC MP1620-OPY-MK				
Q703	6-702-390-01	IC MN2488-OPY-MK				
Q704	6-702-391-01	IC MP1620-OPY-MK				
Q753	6-702-390-01	IC MN2488-OPY-MK (K680)				
Q754	6-702-391-01	IC MP1620-OPY-MK (K680)				
△ T901	1-443-916-11	POWER TRANSFORMER	(AEP, UK, RU, AUS)			
△ T901	1-443-918-11	POWER TRANSFORMER (SP, SP6, AR)				
△ T901	1-443-919-11	POWER TRANSFORMER (E51)				
△ T901	1-443-920-11	POWER TRANSFORMER (MX)				
TN1	1-693-675-21	TUNER (K680)				
TN1	1-693-676-11	TUNER (AEP, UK, RU)				
TN1	1-693-678-11	TUNER (SP, SP6, AUS)				

MEMO

REVISION HISTORY

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