

Service Manual

AV Control Receiver

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



SA-XR70E SA-XR70EB SA-XR70EG

Colour

(S)... Silver Type

Specification

■ AMPLIFIER SECTION

Power output (at AC 230-240 V)

DIN 1 kHz (T.H.D. 1 %) 2 x 100 W (6 Ω)

20 Hz-20 kHz continuous power output both channels driven
2 x 80 W (6 Ω)

Total harmonic distortion

rated power at 20 Hz-20 kHz 0.09 % (6 Ω)

Power bandwidth

both channels driven, -3 dB 4 Hz-88 kHz
(6 Ω, 0.9 %)

Power output each channel driven (at AC 230-240 V)

DIN 1 kHz (T.H.D. 1 %)

Front (L / R) 100 W (6 Ω)

Center 100 W (6 Ω)

Surround (L / R / BACK) 100 W (6 Ω)

Load impedance

Front (L / R)

A or B 6-16 Ω

A and B 6-16 Ω

BI-WIRE 6-16 Ω

Center 6-16 Ω

Surround (L / R / BACK) 6-16 Ω

Frequency response

CD, TV, DVD, DVR / VCR1, VCR2, TAPE 4 Hz-88 kHz, ± 3 dB

DVD 6CH 4 Hz-44 kHz, ± 3 dB

Input sensitivity and impedance

CD, TV, DVD / DVD 6CH, DVR / VCR1, VCR2, TAPE 200 mV / 22 k Ω

S / N at rated power (6 Ω)

CD, TV, DVD, DVR / VCR1 (Digital Input) 90 dB
(IHF, A: 103 dB)

Tone controls

BASS 50 Hz, + 10 to -10 dB

TREBLE 20 kHz, + 10 to -10 dB

Output voltage

TAPE (SECOND AUDIO OUT), DVR / VCR1 200 mV

Channel balance (250 Hz-6.3 kHz)

± 1 dB

Channel separation

55 dB

Subwoofer frequency response (-6 dB)

7 Hz-200 Hz

Digital input

(OPTICAL) 2

(COAXIAL) 2

Digital output

(OPTICAL) 1

HDMI input 1

HDMI output 1

■ FM TUNER SECTION

Frequency range

87.50-108.00 MHz

Sensitivity

S / N 30 dB 1.5 μV / 75 Ω

S / N 26 dB 1.3 μV / 75 Ω

S / N 20 dB 1.2 μV / 75 Ω

IHF usable sensitivity (IHF ' 58)

1.5 μV / 75 Ω

IHF 46 dB stereo quieting sensitivity

22 μV / 75 Ω

Panasonic

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Total harmonic distortion		Sensitivity	20 μ V, 330 μ V / m
MONO	0.2 %	Selectivity (at 999 kHz)	55 dB
STEREO	0.3 %	IF rejection (at 999 kHz)	50 dB
S / N		n VIDEO SECTION	
MONO	60 dB	Output voltage at 1 V input (unbalanced)	1 \pm 0.1 Vp-p
STEREO	58 dB	Maximum input voltage	1.5 Vp-p
Frequency response		Input / output impedance	75 Ω (unbalanced)
20 Hz-15 kHz	+ 1 dB, -2 dB	S-Video	
Alternate channel selectivity		Input	TV, DVD, DVR / VCR1, VCR2
\pm 400 kHz	65 dB	Output	TV MONITOR
Capture ratio	1.5 dB	Component Video	
Image rejection at 98 MHz	40 dB	Input	TV, DVD
IF rejection at 98 MHz	70 dB	Output	TV MONITOR
Spurious response rejection at 98 MHz	70 dB	OSD Video Format	PAL
AM suppression	50 dB	n GENERAL	
Stereo separation		Power supply	AC 230-240V, 50 Hz
1 kHz	40 dB	Power consumption	135 W
Carrier leak		Dimensions (W x H x D)	430 x 83 x 376 mm
19 kHz	-30 dB	Mass	4.5 kg
38 kHz	-50 dB	Power consumption in standby mode:	1.6 W
Channel balance (250 Hz-6.3 kHz)	\pm 1.5dB	Notes:	
Limiting point	1.2 μ V	1. Specifications are subject to change without notice.	
Bandwidth		Mass and dimensions are approximate.	
IF amplifier	180 kHz	2. Total harmonic distortion is measured by the digital spectrum analyzer.	
FM demodulator	1000 kHz		
Antenna terminal	75 Ω (unbalanced)		
n AM TUNER SECTION			
Frequency range	522-1611 kHz (9 kHz steps)		
	530-1620 kHz (10 kHz steps)		

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

CONTENTS

Page	Page
1 Safety Precautions	4
1.1. GENERAL GUIDELINES	4
2 Caution for AC Mains Lead	5
3 Before Repair and Adjustment	6
4 Protection Circuitry	6
5 Handling the Lead Solder	6
5.1. About lead free solder (PbF)	6
6 Accessories	7
7 Operation Procedures	8
8 Disassembly and Main Component Replacement Procedures and Operational Check	10
8.1. Disassembly of Top Cabinet.	10
8.2. Checking and Disassembly for DSP P.C.B. and Main P.C.B. (A Side).	11
8.3. Disassembly of Front Panel Assembly	13
8.4. Checking and Disassembly for Main P.C.B. (B Side)	14
8.5. Checking and Disassembly for HDMI P.C.B. (A / B Side) and Input P.C.B.	15
8.6. Checking and Disassembly for Panel and Volume P.C.B.	16
8.7. Checking and Disassembly of Power P.C.B. and Speaker B Terminal P.C.B.	17
9 Self Diagnosis Display Function	19
9.1. Automatically Displayed Error Codes	19
9.2. Display Details	19
9.3. Activating Self Diagnosis Function (Servicing Mode)	19
9.4. Activating Self Diagnosis Function (Doctor Mode)	20
9.5. Returning to Normal Display	21

10 HDMI Checking Method	22	15.7. POWER CIRCUIT and SPEAKER B TERMINAL CIRCUIT	78
10.1. What is HDMI	23	15.8. HDMI CIRCUIT	81
10.2. Main features and benefits	23	16 Printed Circuit Board	87
10.3. Other features and benefits	23	16.1. DSP P.C.B.	87
11 Voltage Measurement	24	16.2. MAIN P.C.B.	88
11.1. Input P.C.B.	24	16.3. INPUT P.C.B.	90
11.2. Power P.C.B.	25	16.4. TUNER EXTEND P.C.B, HEADPHONE P.C.B, VOLUME P.C.B and SPEAKER B TERMINAL P.C.B	92
11.3. Panel P.C.B.	26	16.5. PANEL P.C.B.	93
11.4. DSP (Side A) P.C.B.	26	16.6. POWER P.C.B.	95
11.5. DSP (Side B) P.C.B.	27	16.7. HDMI P.C.B.	97
11.6. Main P.C.B.	29	17 Wiring Connection Diagram	101
11.7. HDMI (Side A) P.C.B.	32	18 Illustration of IC ' s, Transistors and Diodes	103
11.8. HDMI (Side B) P.C.B.	33	19 Terminal Function of ICs	104
12 Waveform Chart	34	19.1. IC6901 (C2BBGF000565): Microprocessor	104
13 Block Diagram	35	19.2. IC1014 (C2BBGF000566): Microprocessor	104
14 Notes of Schematic Diagram	46	20 Parts Location and Replacement Parts List	106
15 Schematic Diagram	47	20.1. Cabinet Parts Location	107
15.1. DSP CIRCUIT	47	20.2. Electrical Part List	110
15.2. MAIN (DIG 1) CIRCUIT	54	20.3. Packaging Materials & Accessories Parts List	129
15.3. MAIN (DIG 2) CIRCUIT	61	20.4. Packaging	129
15.4. INPUT CIRCUIT and TUNER EXTEND CIRCUIT	66		
15.5. PANEL CIRCUIT	75		
15.6. HEADPHONE CIRCUIT and VOLUME CIRCUIT	77		

1 Safety Precautions

1.1. GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between $1M\Omega$ and 5.2Ω .
When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

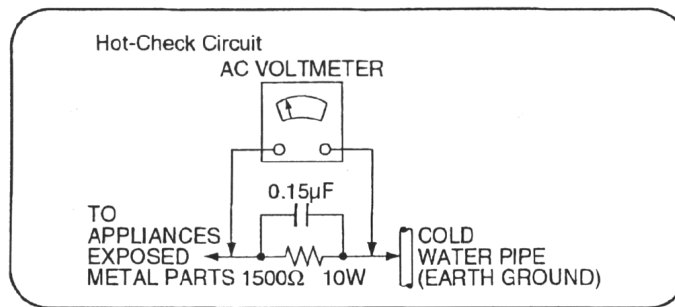


Fig. 1

1.1.2. LEAKAGE CURRENT HOT CHECK (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a $1.5k\Omega$, 10 watts resistor, in parallel with a $0.15\mu F$ capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and re-checked before it is returned to the customer.

2 Caution for AC Mains Lead



(For “EB” area code model only.)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OFF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

IMPORTANT

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

Blue: Neutral
Brown: Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL  OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

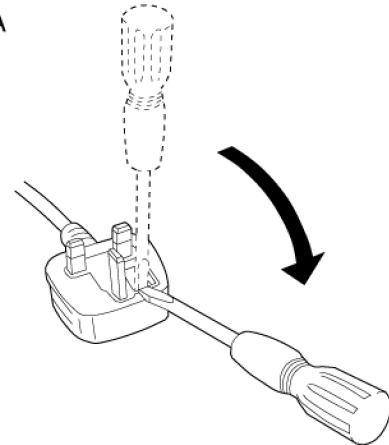
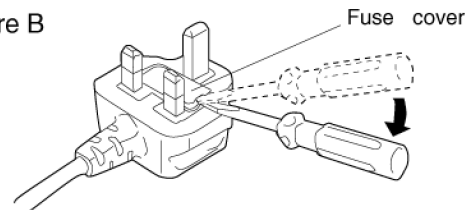


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

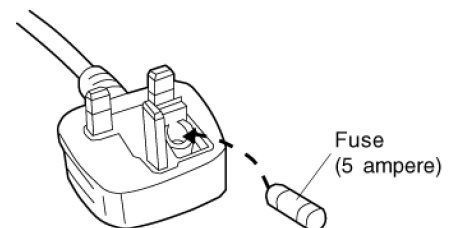
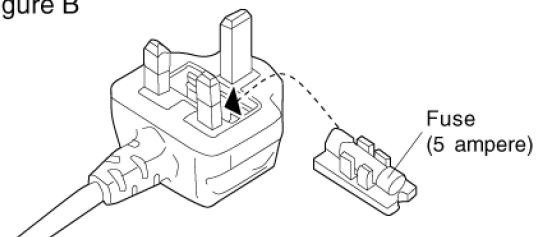


Figure B



3 Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors (C707, C717, C718, C907) through a 10 Ω , 10 W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.

After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

Current consumption at AC 230V - 240V, 50Hz in NO SIGNAL mode should be 100 mA ~ 500 mA.

4 Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note:

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

5 Handling the Lead Solder

5.1. About lead free solder (PbF)

Distinction of PbF P.C.B. :

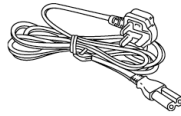
P.C.B.s (manufactured) using lead free solder will have a PbF stamp on the P.C.B.

Caution:

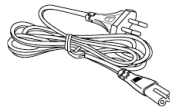
- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700 \pm 20°F (370 \pm 10°C).
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C).
- When soldering or unsoldering, please completely remove all of the solder on the pins or solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.

6 Accessories

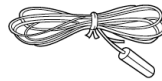
Note : Refer to Packing Materials & Accessories Parts List (section 20.3) for part number.



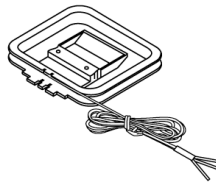
AC cord (For EB only).....1 pc



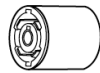
AC cord (For E & EG only).....1 pc



FM antenna.....1 pc



AM loop antenna.....1 pc



Antenna adapter (For EB only).....1 pc



Remote control.....1 pc

7 Operation Procedures

Main unit

Standby indicator [Ⓞ]

When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.

Standby/on switch [Ⓞ/I]

Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

[SPEAKERS, A, B, BI-WIRE]

For selecting speakers A or B. To use BI-WIRE, press [A] and [B] at the same time.

Turning the speakers off automatically engages the STEREO/2CH MIX mode (when listening through headphones, for example).

[BI-AMP]

Lights when the BI-AMP function is activated.

[DIGITAL, EX/PL II x, PL II, DTS 96/24, DTS-ES, DTS, DTS NEO:6]

Lights to indicate the source's input signal and decoding format used.

DIGITAL: Dolby Digital sources

EX/PL IIx: Dolby Digital Surround EX sources or Dolby Pro Logic II x decoder is being used.

PL II: Dolby Pro Logic II decoder is being used.

DTS 96/24: DTS 96/24 sources

DTS-ES: DTS-ES discrete or matrix sources

DTS: DTS sources

DTS NEO:6: DTS NEO:6 matrix decoder is being used.

[MULTI CONTROL]

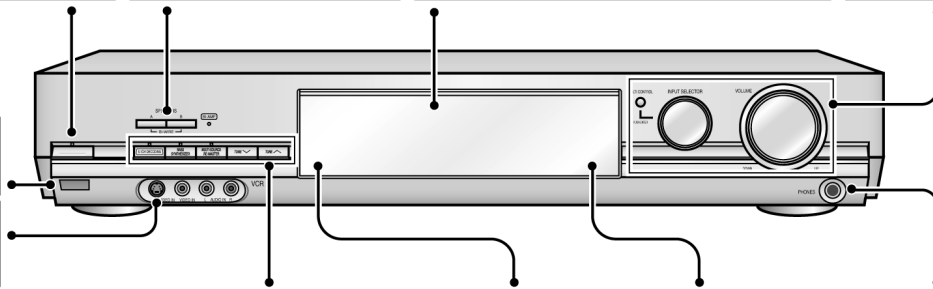
Press to enter Multi control, and use [INPUT SELECTOR] to select/enter.

[INPUT SELECTOR]

For selecting input. Selects/Enters each setting in Multi control.

[VOLUME]

Volume control.



Remote control signal sensor

[VCR 2]

For a video camera, etc.

[6.1CH DECODING]

For turning on the 6.1 channel decoding mode. When using this mode the indicator lights.

[BASS SYNTHESIZER]

For turning on the bass synthesizer mode. When using this mode the indicator lights.

[MULTI-SOURCE RE-MASTER]

For selecting a re-master mode. When using this mode the indicator lights.

[TUNE ∇, ▲]

For tuning the radio and selecting preset stations.

Press and hold until the frequency starts scrolling to start automatic tuning. Tuning stops when a station is found.

[HQ SOUND MODE]

Lights when using HQ sound mode.

[HDMI]

Lights when the HDMI terminals have been connected and signals are transmitted to or from these terminals.

[PHONES]

Headphone jack
Plug type: 6.3 mm stereo

- Avoid listening for prolonged periods of time to prevent hearing damage.
- Turn the speakers off when using the headphones.

Display

- When you turn the dimmer to "ON" or turn HQ sound mode on, the following indicators will dim.

[- SPEAKERS- A, B, BI-WIRE]

Speaker indicators

A: Sound is output from speakers connected to the front A, surround, and center terminals.

B: Sound is output only from speakers connected to the front B terminals.

A B: Sound is output from speakers connected to the front A and B terminals.

BI-WIRE: Sound is output from speakers connected by Bi-wiring.

[TUNED, ST, M, MONO]

Radio indicators

TUNED: A station is tuned.

ST: A stereo FM broadcast is tuned.

M: Flashes during automatic presetting.

MONO: Lights when using the monaural mode.

[SLEEP]

Sleep timer indicator.

[RDS, PS, PTY]

RDS: Lights while RDS signals are being received.

PS, PTY: Indicates the current RDS display mode.

[SFC, CENTER FOCUS, 2CH MIX, MULTI REAR]

SFC: Lights when using an SFC mode.

CENTER FOCUS: Lights when using the center focus mode.

2CH MIX: Lights when playing a multi-channel source in 2CH MIX mode.

MULTI REAR: Lights when using the multi rear surround mode.

[<<<MULTI CONTROL>>>]

When you press the [MULTI CONTROL] button and enter the settings the indicator lights.

[-DIGITAL INPUT-, L, C, R, S, LS, SB, RS, LFE]

Program format indicators

Show the channels contained in the digital input signal. They do not light when input is analogue.

L: Front left channel

C: Center channel

R: Front right channel

S: If the surround channel is monaural.

LS: Surround left channel

SB: Surround back channel

RS: Surround right channel

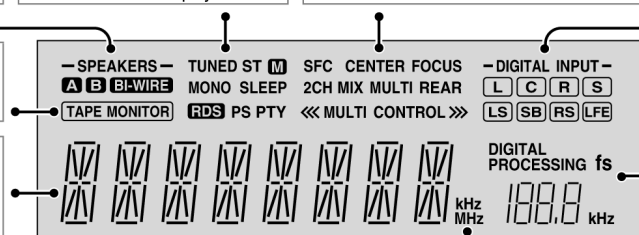
LFE (Low Frequency Effects): Deep-bass effect.

[TAPE MONITOR]

Lights when the tape monitor is on.

General display

Shows the input mode, radio frequency, and other general information.



[DIGITAL PROCESSING fs]

Displays the frequency the unit is processing.

[kHz, MHz]

Frequency unit indicators

kHz: AM, or PCM sampling frequency

MHz: FM

Remote control

Buttons not explained on this page are used only to operate other equipment.

Refer to the separate booklet, "Remote Control Operation Guide", for remote control operation details.

[⏻, RECEIVER]
Standby/on button.

[1, 2, 3, 4, 5, 6, 7, 8, 9, 0]
To enter radio frequencies and channels.
[DISC, DIRECT TUNING]
To enable selection of radio stations by frequency.
[≥ 10, -/- -]
To enter two digit channels.

[TUNER/BAND]
To change the input mode and remote control mode to TUNER.
For switching between FM and AM.

[▲, ▼, ◀, ▶, ENTER, RETURN TV VOL +]
To operate the on screen menus.

[HELP]
Displays help messages.
Press if an error message appears.
A message offering a possible solution scrolls across the display.
• The remote control mode button currently selected lights when you press this.

[SUBWOOFER]
For selecting subwoofer level.
[CENTER FOCUS]
For turning on the center focus mode.
[MULTI REAR]
For turning on the multi rear surround mode.

[STEREO/2CH MIX, OFF]
For selecting STEREO or 2CH MIX mode.
To cancel surround effect.
[DOLBY II x]
For selecting a Dolby Pro Logic IIx/Dolby Pro Logic II mode: MOVIE, MUSIC or GAME.
[DTS NEO:6]
For selecting a DTS NEO:6 mode: CINEMA, MUSIC.
[SFC]
For selecting a SFC mode: MUSIC or AV/MOVIE

[DVD –ANALOG 6CH, TV, CD, TAPE –MONITOR, DVD RECORDER, VCR]
Input mode and remote control mode buttons.
These buttons light when you press other buttons to indicate the current remote control mode.
DVD –ANALOG 6CH
When DVD mode is selected
• Press and hold:
For switching between analogue 6-channel and 2-channel DVD input.
DVD ANALOG 6CH only works when either SPEAKERS A or BI-WIRE is on and SPEAKERS B is off.
TAPE –MONITOR
• Press and hold:
For monitoring sound when recording to a 3 head cassette deck. Also used when you have connected a graphic equalizer to the TAPE terminals.

[▲, CH, ▼]
For selecting preset radio channels.

[+, -, VOLUME]
To adjust the volume.

[MUTING]
To mute the volume.

[HQ SOUND MODE]
For turning on the HQ sound mode.

[-TEST –SETUP]
To start the speaker test signal or enter the on screen menu.
[LEVEL]
To adjust speaker level.
[EFFECT]
To adjust Dolby Pro Logic II x, Dolby Pro Logic II, DTS NEO:6 or SFC effects.
[◀, -, ▶, +]
First select EFFECT, LEVEL or SFC, and then press [◀, -] or [▶, +] to complete the setting.

For your reference

- **When playing video sources connected to DVR/VCR1**
The picture remains on the screen even if you select TAPE, CD or TUNER.
- **When SPEAKERS B is on**
The STEREO/2CH MIX mode is engaged automatically.
- **When DVD ANALOG 6CH input is on**
Speaker settings are ineffective. Change the settings on the DVD player if necessary.
- **When using a graphic equalizer**
Some distortion may occur, depending on the equalizer's settings.
- **When input is DIGITAL**
The tape monitor cannot be used.
- **When muting is on**
Muting is canceled when the unit is turned off.

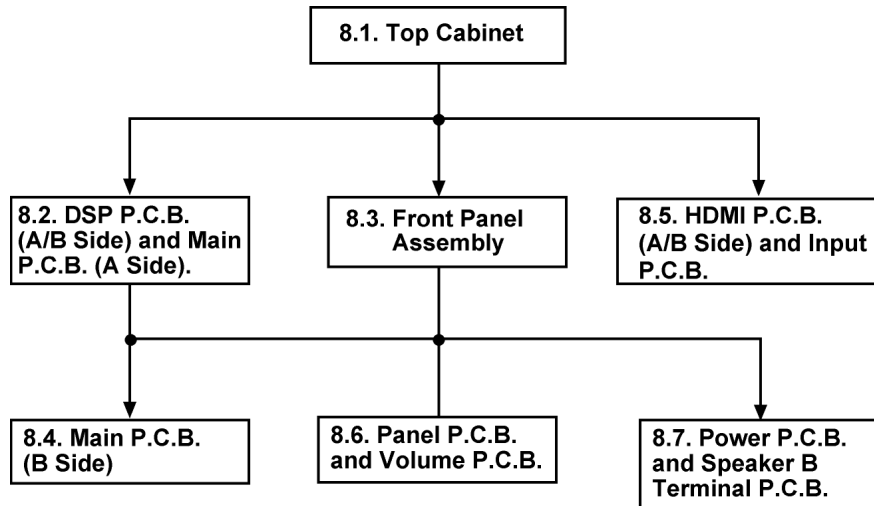
8 Disassembly and Main Component Replacement Procedures and Operational Check

“ATTENTION SERVICER”

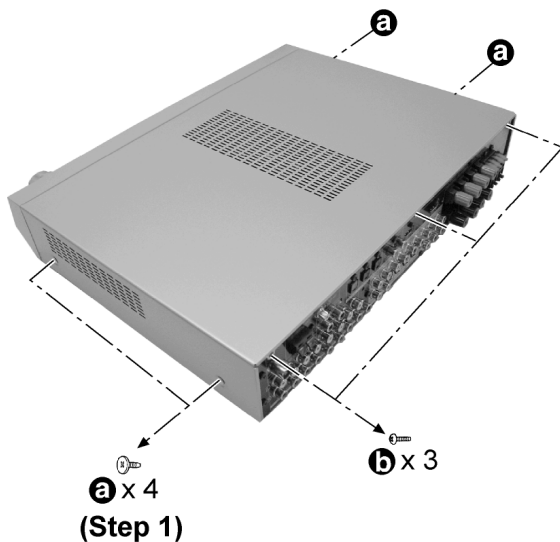
Some chassis components may have sharp edges.

Be careful when disassembling and servicing.

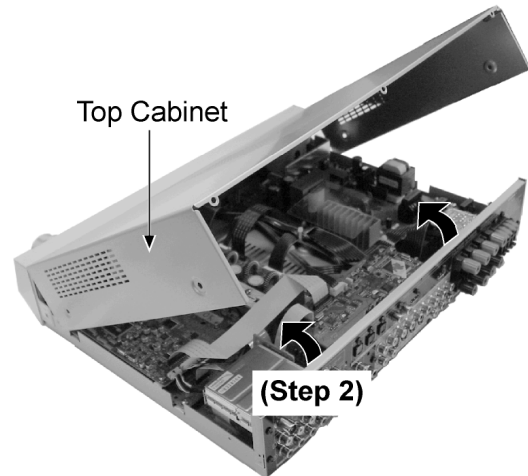
- This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
- For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.



8.1. Disassembly of Top Cabinet.



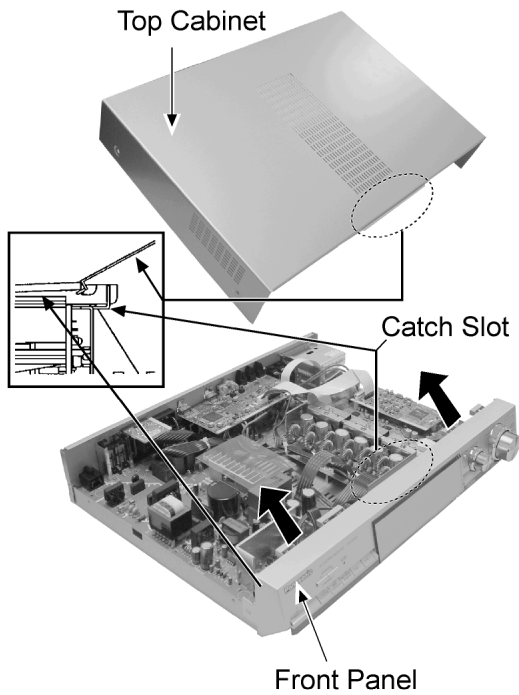
Step 1 : Remove 7 screws.



Step 2 : Lift up the Top Cabinet and push backwards to remove it.

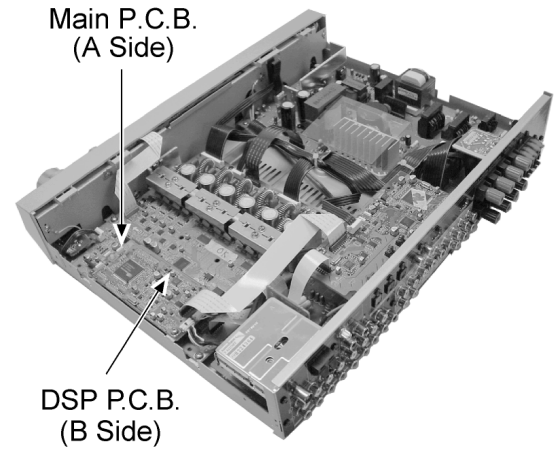
NOTE:

Make sure the top cabinet remove from the catch slot between front shield angle and front panel.

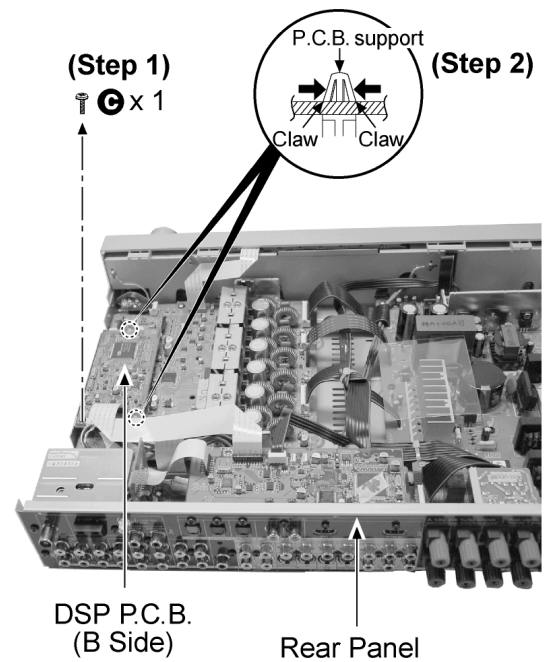


8.2. Checking and Disassembly for DSP P.C.B. and Main P.C.B. (A Side).

- Follow **(Step 1)** - **(Step 2)** of Item 8.1.



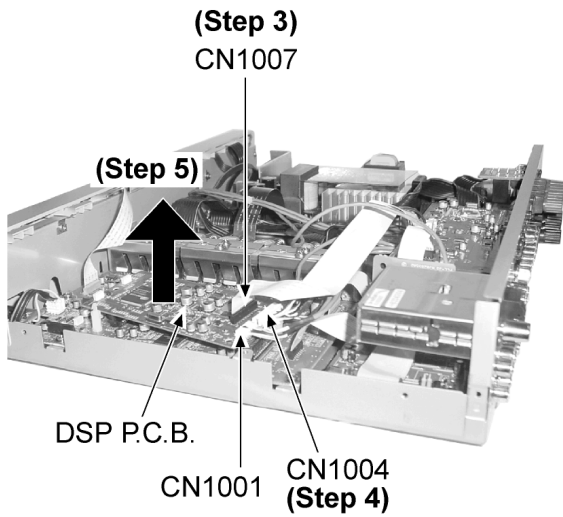
- Checking for DSP P.C.B. (B side) as picture shown above.



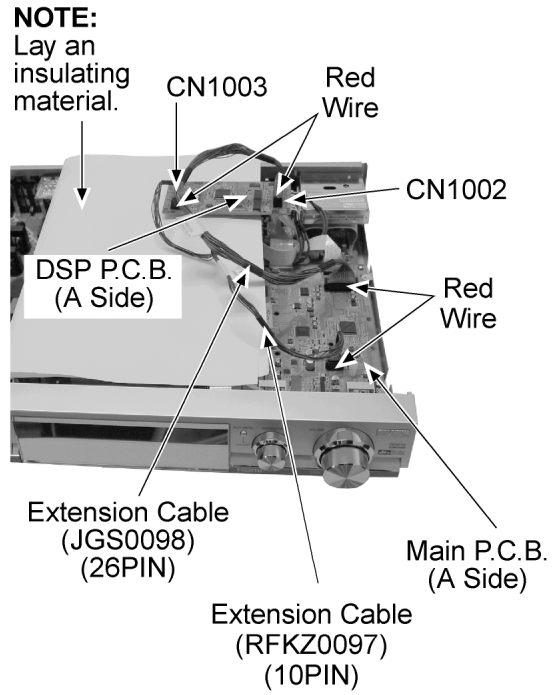
Step 1 : Remove 1 screw.

Step 2 : Release the claws from P.C.B. support.

- Disassembly of DSP P.C.B..

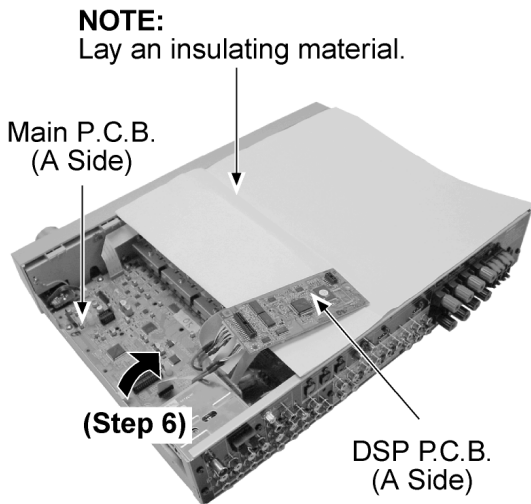


- Step 3 : Detach FFC cable (CN1007).
- Step 4 : Detach wires (CN1001 and CN1004).
- Step 5 : Lift up the DSP P.C.B. to remove it.

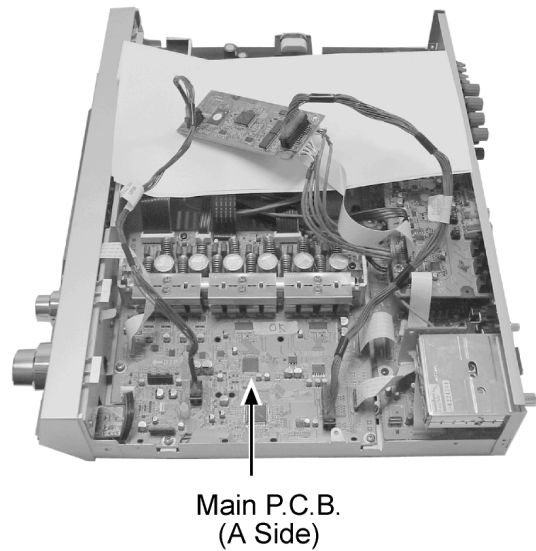


Caution:
Red wire in the extension cable between Main P.C.B and DSP P.C.B (A side) should be connected to same direction like original cable.

- Checking for DSP P.C.B. (A side) as picture shown above.



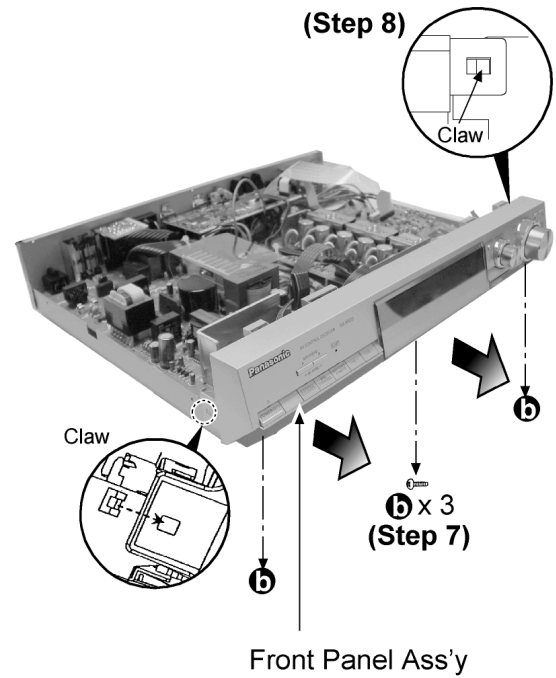
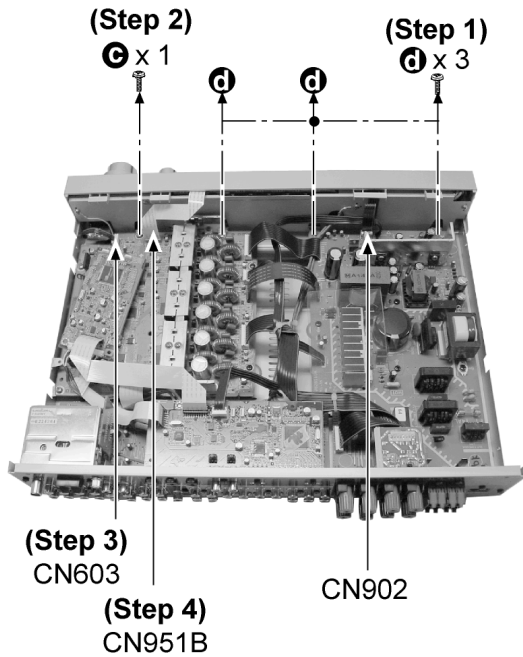
- Step 6 : Flip the DSP P.C.B. and lay on an insulating material as arrow shown.



Note:
Checking of Main P.C.B. (Side A) can be done once the DSP P.C.B. is flipped over.

8.3. Disassembly of Front Panel Assembly

· Follow (Step 1) - (Step 2) of Item 8.1.



Step 7 : Remove 3 screws.

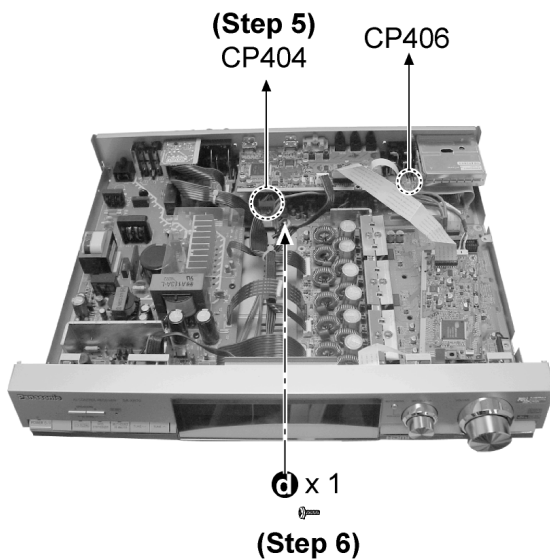
Step 8 : Release the both claws and remove the Front Panel Ass'y as arrow shown above.

Step 1 : Remove 2 screws (Power P.C.B.).

Step 2 : Remove 2 screws (Main P.C.B.).

Step 3 : Release wire cable (CN603 and CN902)

Step 4 : Detach FFC cable (CN951B)

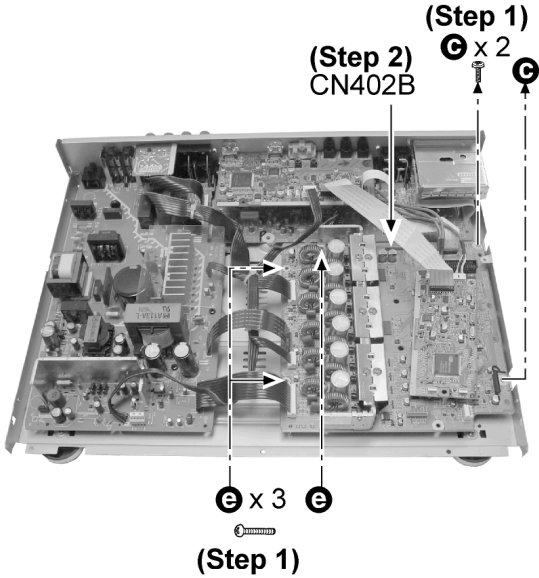


Step 5 : Release wire cable (CP404 and CP406) - Input P.C.B..

Step 6 : Remove 1 screw.

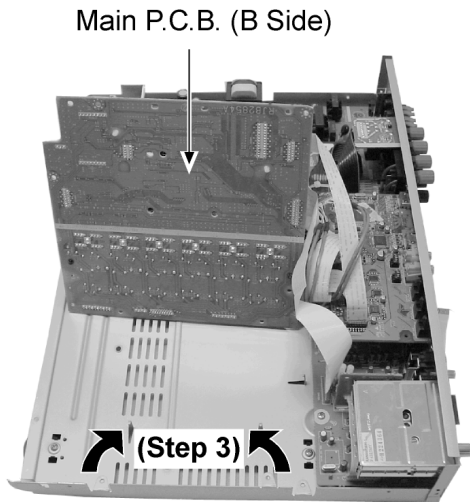
8.4. Checking and Disassembly for Main P.C.B. (B Side)

- Follow **(Step 1)** - **(Step 2)** of Item 8.1.
- Follow **(Step 1)** - **(Step 6)** of Item 8.2.
- Follow **(Step 1)** - **(Step 8)** of Item 8.3.

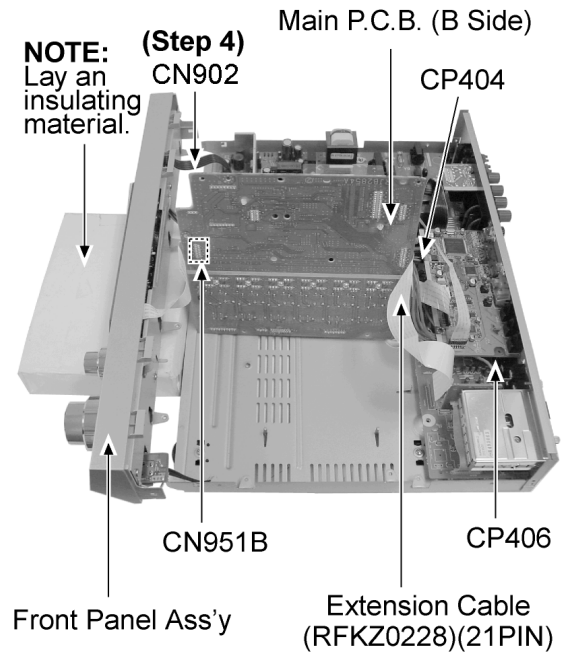


Steps 1 : Remove 5 screws.

Steps 2 : Detach FFC cable (CN402B).



Step 3 : Flip over the Main P.C.B. as arrow shown above.

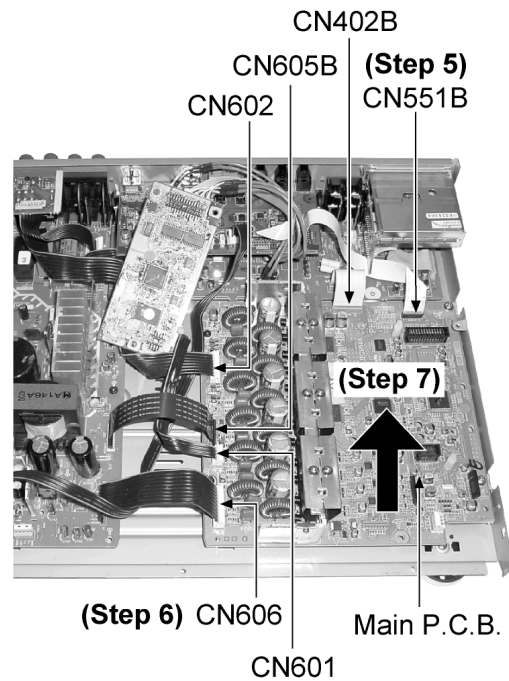


Step 4 : Reconnect back all the connectors and FFC with front panel ass'y.

- Check the Main P.C.B. (B side) by using the extension cable (RFKZ0228) as picture shown above.

• Disassembly of Main P.C.B.:

- Follow **(Step 1)** - **(Step 2)** of Item 8.1.
- Follow **(Step 1)** - **(Step 6)** of Item 8.2.
- Follow **(Step 1)** - **(Step 8)** of Item 8.3.



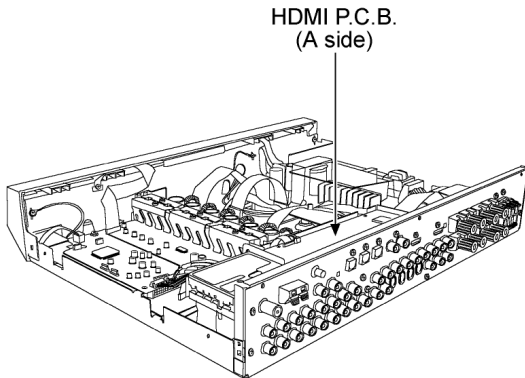
Step 5 : Detach FFC cable (CN402B, CN551B and CN605B).

Step 6 : Detach wires (CN601, CN602 and CN606).

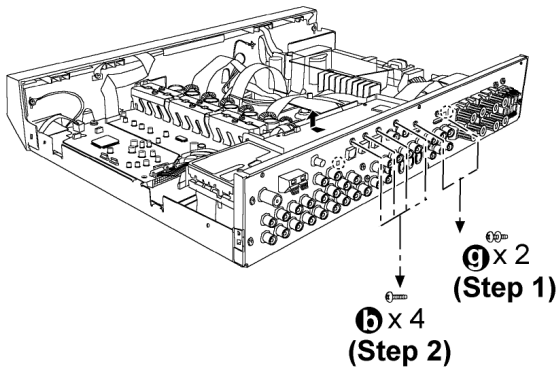
Step 7 : Lift up the Main P.C.B. to remove it.

8.5. Checking and Disassembly for HDMI P.C.B. (A / B Side) and Input P.C.B.

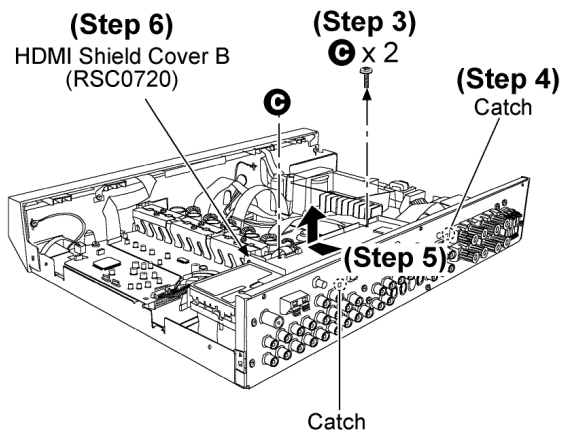
• Follow (Step 1) - (Step 2) of item 8.1.



• Checking for HDMI P.C.B. (A side) as picture shown above.



Step 1 and 2 : Remove 6 screws.

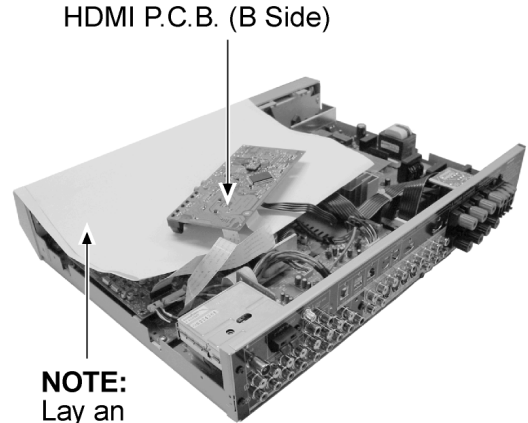


Step 3 : Remove 2 screws.

Step 4 : Release 2 Catch.

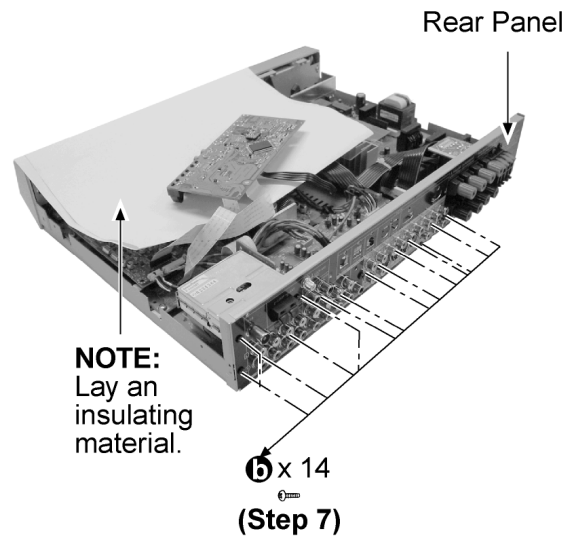
Step 5 : Temporary Flip up the HDMI P.C.B. and HDMI Shield Cover B together as arrow shown above.

Step 6 : Remove HDMI Shield Cover B.

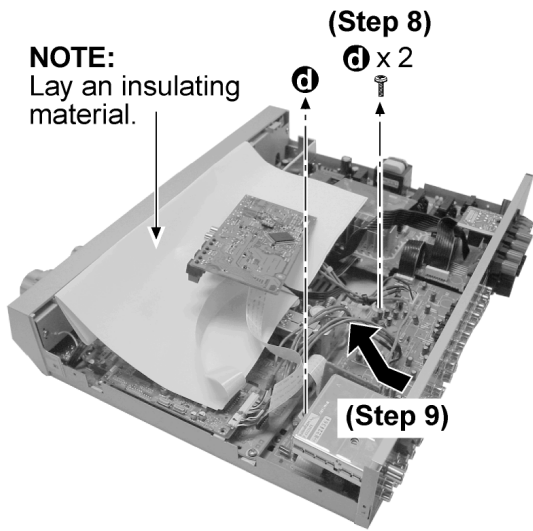


• Check the HDMI P.C.B. (B side) as picture shown above.

• Checking and Disassembly for Input P.C.B..

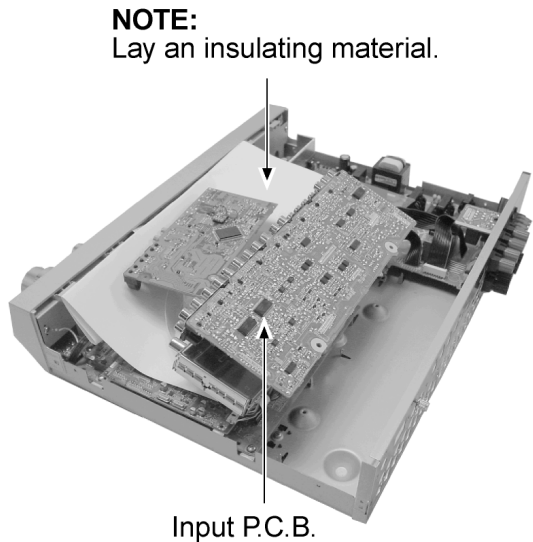


Step 7 : Remove 14 screws.



Step 8 : Remove 2 screws.

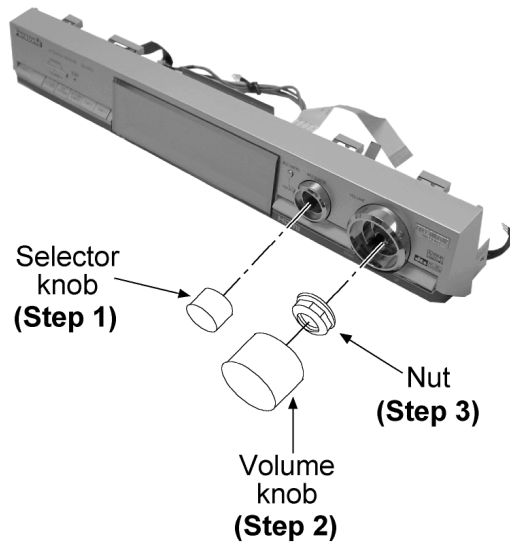
Step 9 : Lift up the Input P.C.B. as arrow show above.



• Checking for Input P.C.B. as picture shown above.

8.6. Checking and Disassembly for Panel and Volume P.C.B.

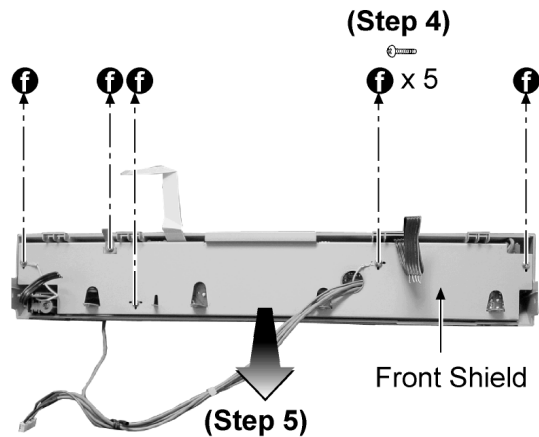
- Follow (Step 1) - (Step 2) of Item 8.1.
- Follow (Step 1) - (Step 8) of Item 8.3.



Step 1 : Remove the Selector knob.

Step 2 : Remove the Volume knob.

Step 3 : Remove the nut.



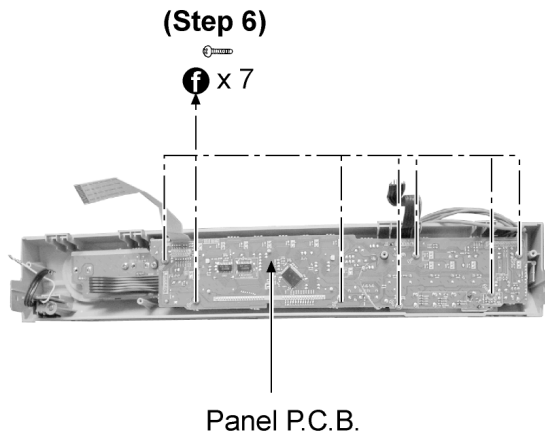
Step 4 : Remove 5 screws.

Step 5 : Remove the Front Shield as arrow shown above.

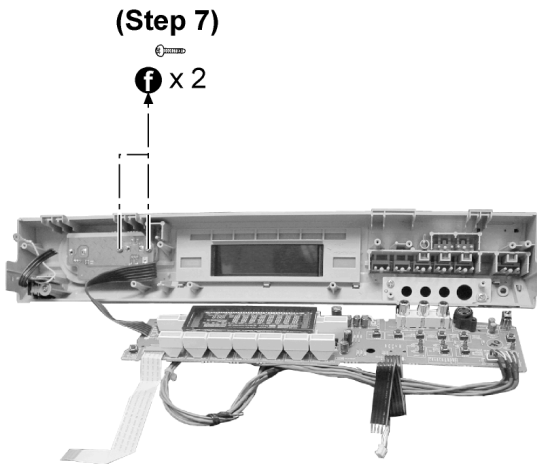
shown above.

8.7. Checking and Disassembly of Power P.C.B. and Speaker B Terminal P.C.B.

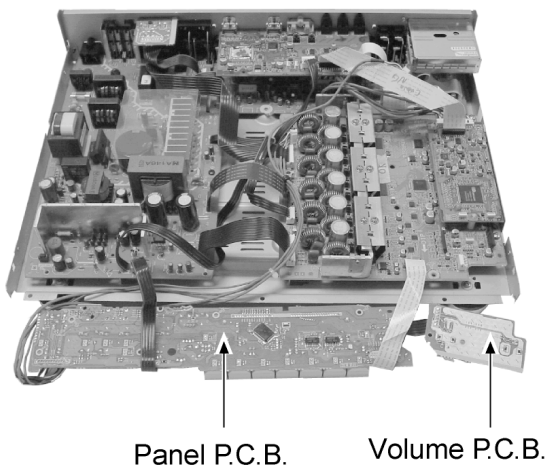
- Follow (Step 1) - (Step 2) of Item 8.1.
- Follow (Step 1) - (Step 8) of Item 8.3.



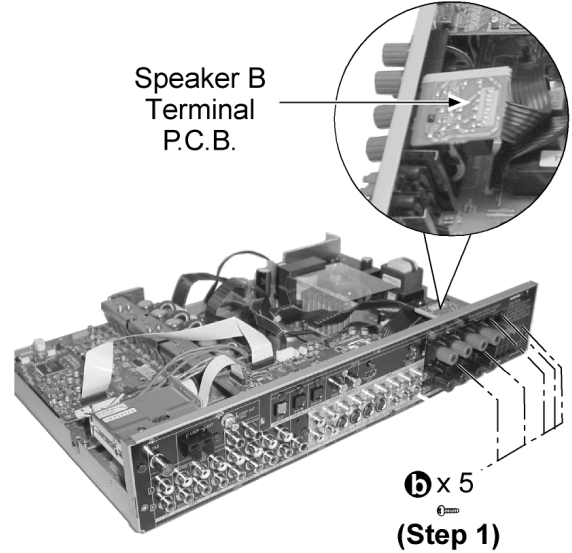
Step 6 : Remove 7 screws and Panel P.C.B.



Step 7 : Remove 2 screw and Volume P.C.B.

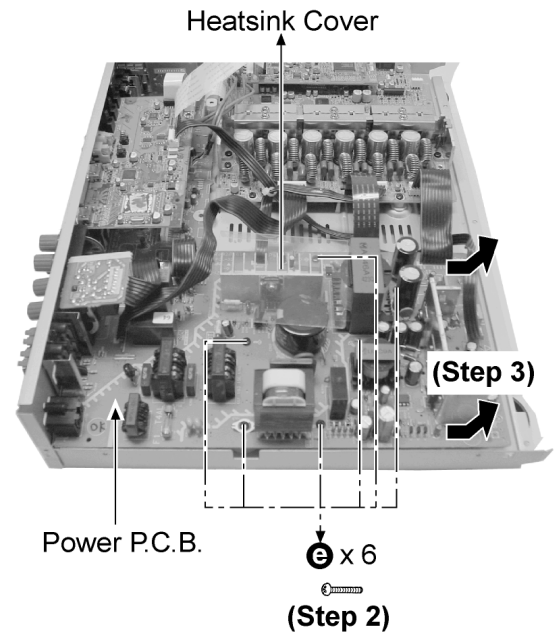


- Checking for Panel P.C.B. and Volume P.C.B. as picture



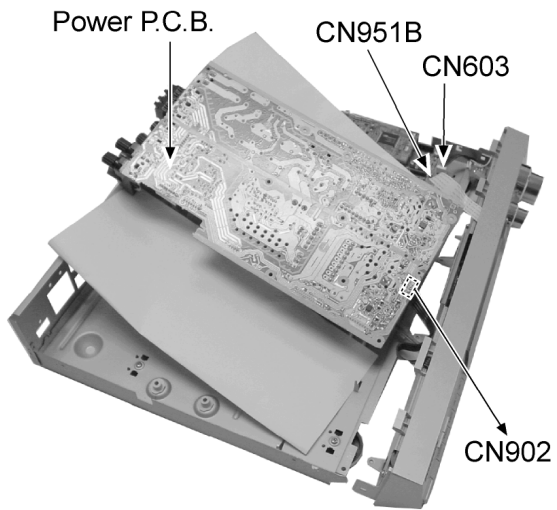
Step 1 : Remove 5 screws.

- Checking for Speaker B Terminal P.C.B. as picture shown above.



Step 2 : Remove 6 screws and Heatsink Cover.

Step 3 : Turn Power P.C.B. sideway as arrow shown above.



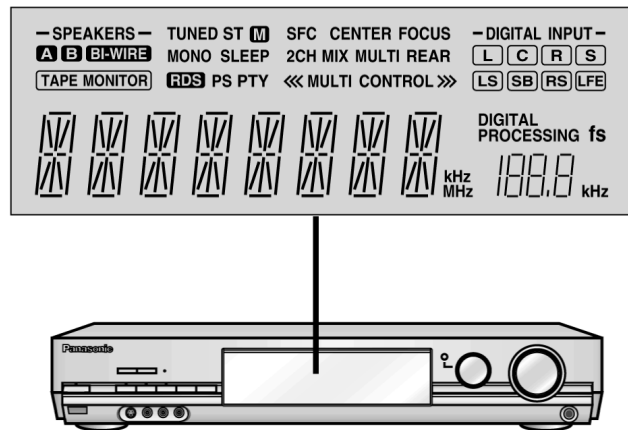
- Reconnect wire cable (CN603, CN902) and FFC cable (CN951B).
- Checking for Power P.C.B. as picture shown above.

9 Self Diagnosis Display Function

This unit is equipped with the self diagnosis display function, which alarms faulty operation with error code. Use this function during servicing.

9.1. Automatically Displayed Error Codes

An error code automatically appears on the display (LCD) when faulty operation is detected. Refer to Fig. 9.1.



<Fig. 9.1>

9.2. Display Details

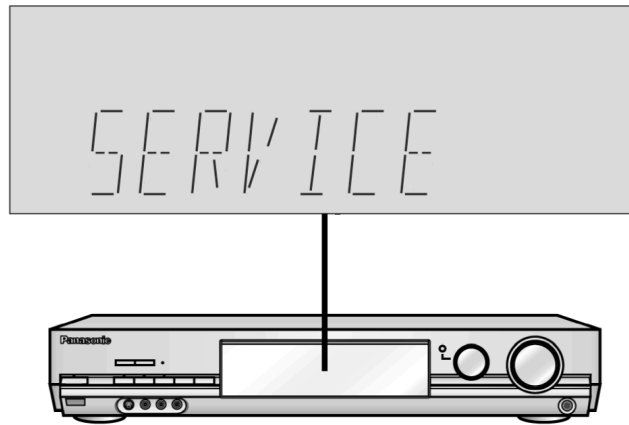
Refer to the following table.

LCD display	Symptom	Cause and Remedy
OVERLOAD	Speaker short, amplifier failure	Speaker short and failure in power amplifier, pre-amplifier circuits. Check for faulty parts and replace with new parts if necessary.
	Humidity protection activated	
FANLOCK	The fan stops suddenly.	Failure in fan or fan control circuits. Check for faulty parts and replace with new parts if necessary.
F70	Communication error between sub micro-processor and its peripheral LSI	Failure sub-micro processor and its peripherals LSI. Check for faulty parts and replace with new parts if necessary.
F76	When the power is turned on, the unit power automatically turns off; the power cannot be turned on.	Failure in the power circuit system of the unit. This may happen when the direct current electricity is supplied to speaker terminals. Check for the above and replace with new parts if necessary.

9.3. Activating Self Diagnosis Function (Servicing Mode)

This mode can be used during servicing.

1. Plug the AC adapter to the power source. Press and hold down the BASS SYNTHESIZER button and the SPEAKERS A button, and then press the POWER button at the same time.
2. The message, "SERVICE" appears on the display for three seconds (Refer picture below), and then disappears.



3. When the TUNING DOWN button is pressed, the current program filing number (ex. "M10_***" for MA123_45) appears. The *** digit indicates the ROM checksum used for ROM collection, and if the unit is not loaded with ROM, "NO" appears.

When the TUNING UP button is pressed, the sub micro computer program filing number (ex. 511_***" for MA678_90) appears. The *** digit indicates the ROM checksum used for ROM collection, and if the unit is not loaded with ROM, "NO" appears.

9.4. Activating Self Diagnosis Function (Doctor Mode)

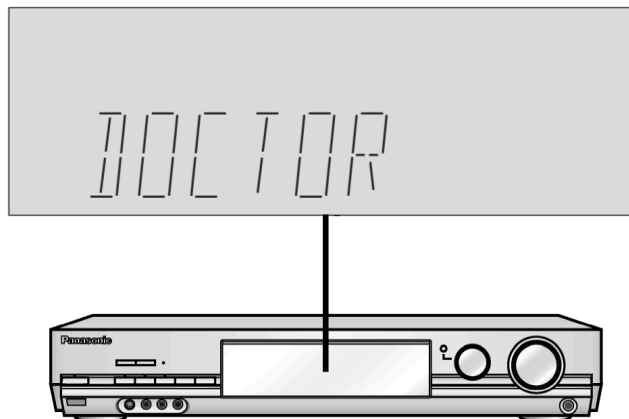
This mode can be used during servicing.

1. Plug the AC adapter to the power source. Press and hold down the MULTI-SOURCE RE-MASTER button and the SPEAKERS A button, and then press the POWER button at the same time.

2. When "CHECKER COMMAND" code (00 DF) of the remote control is received.

Initialize all the setting and set the frequency "93.40MHz" to Tuner.

The message, "DOCTOR_" appears on the display for three seconds (Refer picture below), and then disappears.



3. Normal function for all buttons on the unit.

4. Doctor mode function at some remote control codes as below table.

Remote Control	Test Mode Function and settings			
	Selector	Sound Mode	other settings	Vol/Tone
CH 1	TUNER	STEREO	Frequency : FM min	-48dB/0dB
CH 2	TUNER	STEREO	Frequency : FM max	-48dB/0dB
CH 3	TUNER	STEREO	FM 98.3MHz	-18dB/0dB
CH 4	TUNER	STEREO	Frequency : AM min	-48dB/0dB
CH 5	TUNER	STEREO	Frequency : AM max	-48dB/0dB
CH 6	TUNER	STEREO	AM 765kHz	-18dB/0dB
CH 7	TUNER	STEREO	AM 770kHz	-18dB/0dB
CH 8	If the input selector is TUNER, auto tuning function is started to upward on current frequency.			
CH 9	If the input selector is TUNER, auto tuning function is started to download on current frequency.			
CH 0	All indicators of FL are displayed. All LED are off. Note : After this setting, only 'POWER' button or 'Checker Command' code by the remote control can be entered.			
CH UP	Check Main μ P software version.			
CH DOWN	Check Sub μ P software version.			
SUBWOOFER	DVR/VCR1	-	-	-18dB/0dB
MUTING	DVD 6CH	-	-	-18dB/0dB
LEVEL	DVR/VCR1	STEREO	ANALOG	-18dB/0dB

EFFECT	CD/COAX2	STEREO	-	-48dB/0dB
STEREO	TV/OPT1	STEREO	-	-48dB/0dB
PL2	DVD/COAX1	STEREO	-	-48dB/0dB
SFC	DVR/VCR1/OPT 2	STEREO	-	-48dB/0dB
TEST	No change	SURROUND	Scan the test noise output channel with 500ms intervals	-18dB/0dB
-/L	CD/COAX2	STEREO	Balance is set to leftmost	-18dB/0dB
+/R	CD/COAX2	STEREO	Balance is set to rightmost	-18dB/0dB

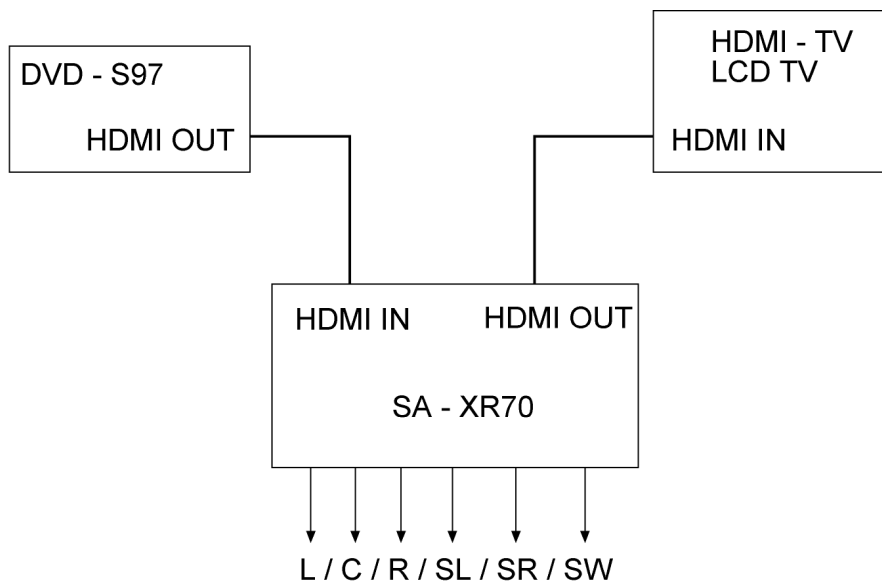
5. After enter the remote control code "DIRECT(TUNING)", the message "_ _ _OK_ _ _" will appear for 0.25 second when each button is pressed one by one.
6. When "POWER" button is pressed or "CHECKER COMMAND" code of remote control is received, quit this mode and turn off power then will initialize all setting of RAM. If the power failure are detected it will initialize all RAM.

9.5. Returning to Normal Display

Press the POWER button on the unit to exit the function. The power is turned off.

10 HDMI Checking Method

1. Connection of HDMI system



Setting of DVD-S97

[Setup Menu]

- | | | | | | |
|----------|---|-----------------|-------------------|--------------|-----------|
| 1. Video | → | TV Aspect | → | 16:9 | |
| | | → | TV type | → | LCD TV |
| 2. Audio | → | PCM Digital Out | → | Up to 192kHz | |
| | | → | Dolby Digital | → | Bitstream |
| | | → | DTS Digital Sound | → | Bitstream |
| 3. HDMI | → | HDMI RGB Range | → | Enhanced | |
| | | → | HDMI Video mode | → | on |
| | | → | HDMI Audio output | → | on |

[Display Menu]

- | | | | | | |
|-----------------|---|--------------|-------------------|--------|---------------|
| 1. Picture Menu | → | Picture mode | → | Normal | |
| | | → | Video output mode | → | 1125i (1080i) |
| | | → | HDMI Colour space | → | RGB |

2. Check of HDMI Sound

- Using the [DVD AUDIO TEST DISC V-612] and DVD-VIDEO disc with Dolby Digital signal.
- [DVD AUDIO TEST DISC V-612] - Track No. 92 (96kHz, 5.1ch). Track No. 40 (Zero) Check the Level and Noise, output from L / C / R / SL / SR / SW / speaker or pin.
- [DVD AUDIO TEST DISC V-612] - Track No. 7 (192kHz, 2ch)
if this source can be reproduced, it is OK.

3. Check of HDMI Picture

- The picture quality of TV is checked by watching that using [DVD TEST DISK S-20] or DVD disc with the colour bar signal.
- [DVD TEST DISK S-20] - Track No. 2 (Flag of the rising sun)
[Colour bar disc] - Colour bar signal.
- Make on DVD Setup Picture
Confirmed that there are neither distortion nor a noise on the screen.

• If it is a picture quality equal when DVD was connected directly to TV, it is OK

1. Connect directly DVD player to TV.
2. Connect DVD player to set then connect it to TV.
3. Do the comparison for (1) and (2) if same, it is OK.

10.1. What is HDMI

The High-Definition Multimedia Interface (HDMI) is rapidly emerging as the connection standard for HDTV. Developed by Sony, Hitachi, Thomson (RCA), Philips, Matsushita (Panasonic), Toshiba and Silicon Image as the digital interface standard for the consumer electronics market, HDMI combines high-definition video and multi-channel audio in a single digital interface to provide crystal-clear digital quality over a single cable. One cable for audio and video dramatically simplifies home theater system installation and eliminates the cable mess behind entertainment system components. HDMI offers significant advantages over analog A/V connections, including the ability to transmit uncompressed digital video and audio content. Hollywood studios and cable and satellite operators support HDMI.

HDMI is based on Silicon Image's TMDS³ technology and is fully backward compatible with PCs and displays incorporating the Digital Visual Interface (DVI) standard, which was also pioneered by Silicon Image. Because it was designed specifically for consumer electronics applications, HDMI offers additional consumer enhancements. Content comes in a variety of sizes, resolutions and formats, and HDMI systems will automatically configure to display content in the most effective format. In addition, with a point and click, HDMI's integrated remote capability automatically configures the home theater system on demand, turning on or off the components necessary to view a DVD, listen to a CD or watch cable or satellite TV.

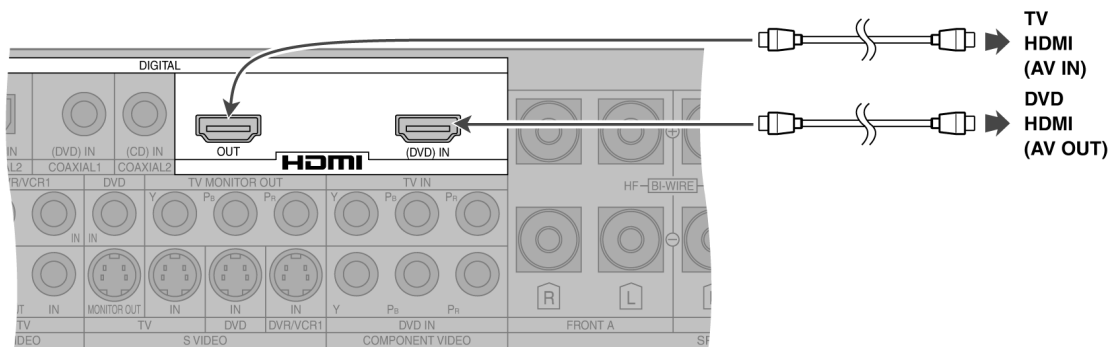
10.2. Main features and benefits

- **All digital provides the highest quality —**

HDMI is the only interface in consumer electronics that can carry both uncompressed high-definition video and uncompressed multi-channel audio in all HD formats, including 720p, 1080i and even upcoming 1080p.

- **A single cable connection means no more cable mess —**

Since HDMI carries all digital video and audio channels, there is only one cable to connect any HDMI-enabled source device to a display.



10.3. Other features and benefits

- **Automatic format adjustment matches content to preferred viewing format —**

HDMI systems can automatically configure to display content in its most effective format. If cable TV content jumps from 16:9 format to standard 4:3, an HDMI-enabled TV will automatically adjust to match the ideal format.

- **Integrated remote provides simple control of your system —**

HDMI allows CE manufacturers to build intelligence into their devices so that one remote click can configure your entire HDMI-enabled system to turn certain components on or off depending on the specific components that are required.

- **PC Compatibility enables viewing of your PC data on your HDTV —**

HDMI-enabled devices are backwards compatible with the broad array of DVI-based PCs so that you can display gaming or entertainment content on your HDTV.

11 Voltage Measurement

Note)

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.

Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

11.1. Input P.C.B.

INPUT PCB (REP3708J-S)																				
Ref No.	IC101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	2.6	2.6	5.2	0	2.6	2.5	0	2.7	2.6	0	5.2	0	0	2.6	2.6	0				
STANDBY																				
Ref No.	IC301																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	0	4.0	0	0	0	4.5	0	-5.2	0	4.5	0	0	0	5.2	0	5.2				
STANDBY																				
Ref No.	IC321																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	4.8	0	0	0	0	5.2	0	0	0	0	0	0	0	0	-5.2	0	-5.2	0	-0.1
STANDBY																				
Ref No.	IC321																			
MODE	21	22	23	24																
CD PLAY	5.2	0.1	4.6	0.1																
STANDBY																				
Ref No.	IC341																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	4.5	5.1	0	0	0	5.1	0	4.8	4.8	0	5.1	1.3	0	1.3	5.1	5.2	2	5.1	5.1
STANDBY																				
Ref No.	IC341																			
MODE	21	22	23	24																
CD PLAY	0	5.1	5.1	5.1																
STANDBY																				
Ref No.	IC361																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	0	3.6	0	0	0	4.2	0	-5.2	0	4.2	0	0	0	5.2	0	5.2				
STANDBY																				
Ref No.	IC362																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	0	3.6	0	0	0	4.2	0	-5.2	0	4.2	0	0	0	5.2	0	5.2				
STANDBY																				
Ref No.	IC401																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	-14.4	0	0.1	0.1	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0.1
STANDBY																				
Ref No.	IC401																			
MODE	21	22	23	24	25	26	27	28	29	30										
CD PLAY	0	0	0	0.1	0	0.1	0.1	0.1	0	15.1										
STANDBY																				
Ref No.	IC402																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	-14.2	-0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.8	0	0	0
STANDBY																				
Ref No.	IC402																			
MODE	21	22	23	24	25	26	27	28	29	30										
CD PLAY	0	0	0	0	0	0	0	0	0.1	15										
STANDBY																				
Ref No.	IC451																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-14.4	0	0	0	15.1												
STANDBY																				
Ref No.	IC452																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.6	2.6	2.6	0	2.6	2.6	2.6	5.1												
STANDBY																				
Ref No.	IC453																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	1.3	2.6	0	2.6	1.3	0	5.1												
STANDBY																				
Ref No.	IC454																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-14.4	0	0	0	15.1												
STANDBY																				
Ref No.	IC455																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.6	2.6	2.6	0	2.6	2.6	2.6	5.1												
STANDBY																				
Ref No.	IC456																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	1.3	2.6	0	2.6	1.3	0	5.1												
STANDBY																				
Ref No.	IC457																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-14.4	0	0	0	15.1												
STANDBY																				
Ref No.	IC458																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.5	2.5	2.5	0	2.5	2.5	2.5	5.1												
STANDBY																				
Ref No.	IC459																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.5	2.5	2.5	0	2.5	2.5	2.5	5.1												
STANDBY																				
Ref No.	IC460																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-14.7	0	0	0	15.3												
STANDBY																				

INPUT P.C.B (REP3708J-S)															
Ref No.	Q101			Q102			Q301			Q302			Q341		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
CD PLAY	14.7	15.1	15.1	7.1	10.3	7.7	5.2	10.7	5.8	-5.2	-9.3	-5.9	0.7	1.3	5.1
STANDBY															
Ref No.	Q343			Q351			Q352			Q399					
MODE	E	C	B	S	D	G	S	D	G	E	C	B			
CD PLAY	1.3	1.9	5.1	0	0	0	0	0.1	0	3.6	0	0			
STANDBY															
Ref No.	Q451			Q452			Q453								
MODE	1	2	3	4	5	6	E	C	B	1	2	3	4	5	6
CD PLAY	0	-5.7	0	0	-5.7	0	4.9	0	5.5	0	-5.7	0	0	-5.7	0
STANDBY															
Ref No.	Q454			Q455			Q457								
MODE	E	C	B	1	2	3	4	5	6	1	2	3	4	5	6
CD PLAY	0	-5.7	0	0	-5.7	0	0	-5.7	0	0	-5.6	0	0	-5.6	0
STANDBY															
Ref No.	Q458			Q459			Q566								
MODE	E	C	B	E	C	B	E	C	B						
CD PLAY	0	-5.6	0	0	4.7	4.7	0	15.1	0						
STANDBY															

11.2. Power P.C.B.

POWER P.C. B (REP3716G-P)															
Ref No.	IC701														
MODE	1	2	3	4	5										
CD PLAY	50.0	50.0	106.0	54.0	50.0										
STANDBY															
Ref No.	IC702														
MODE	1	2	3												
CD PLAY	7.1	9.4	0												
STANDBY															
Ref No.	IC703														
MODE	1	2	3	4	5	6	7	8							
CD PLAY	0	0	0	0	0	0	0	15.2							
STANDBY															
Ref No.	IC731														
MODE	1	2	3	4	5	6	7	8							
CD PLAY	4.0	2.6	0.8	2.2	0	5.7	10.6	5.1							
STANDBY															
Ref No.	IC732														
MODE	1	2	3												
CD PLAY	6.2	0	5.1												
STANDBY															
Ref No.	IC781														
MODE	1	2	3	4	5										
CD PLAY	19.7	3.4	0	1.2	19.7										
STANDBY															

POWER P.C.B (REP3716G-P)															
Ref No.	Q701			Q702			Q703			Q704			Q705		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
CD PLAY	53.0	53.0	53.0	7.1	0	0	0	0	0	9.8	10.5	10.5	0	0	0
STANDBY															
Ref No.	Q721			Q722			Q723			Q724			Q731		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	S	D	G
CD PLAY	0	2.4	-0.8	0	0.7	0	0	0.1	0.7	5.7	11.1	6.4	0.1	10.6	5.7
STANDBY															
Ref No.	Q732			Q733			Q734			Q735			Q881		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
CD PLAY	1.8	5.1	2.2	5.4	-3.1	0	10.8	10.6	10.1	10.6	10.1	10.1	0	15.2	0
STANDBY															
Ref No.	Q882			Q883			Q901			Q902					
MODE	E	C	B	E	C	B	E	C	B	E	C	B			
CD PLAY	0	15.2	0	0	0	15.3	4.8	-27.4	2.3	-30.3	2.3	-27.9			
STANDBY															

11.3. Panel P.C.B.

PANEL P.C.B (REP3708J-S)																				
Ref No.	IC901																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	-	-	-	-30.0	-30.0	-30.0	-19.9	-17.3	-24.9	-24.9	-22.4	-17.3	-	-	-30.0	-30.2	-30.0	-	-22.3	-29.9
STANDBY																				
Ref No.	IC901																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	-27.6	-27.9	-27.6	-27.6	-	-	-27.6	-27.5	-27.5	-27.5	-27.5	-27.5	-27.5	-27.6	-27.6	-	-	-30.3	-	-
STANDBY																				
Ref No.	IC901																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	4.7	4.9	0	0	0	2.2	2.1	4.8												
STANDBY																				
Ref No.	IC951																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
CD PLAY	0	0	0	0	4.7	4.4	4.5	4.6	4.7	4.4	4.5	4.5	4.5	4.5	4.5	4.5	0	5.1		
STANDBY																				
Ref No.	IC952																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
CD PLAY	0	0	0	0	0	0	0	1.8	0.6	0	3.6	3	0	0.4	0.6	0	4.9			
STANDBY																				

11.4. DSP (Side A) P.C.B.

DSP P.C.B (REP3707C-T) (SIDE A)																				
Ref No.	IC1001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2	-	0.2	0.2	-	-	0.2	0.1	0.1	0.2	0.2	0.2	0.2
STANDBY																				
Ref No.	IC1001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.2
STANDBY																				
Ref No.	IC1001																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	0.2	0.3	0.2	0.3	0.1	0	0	0.1												
STANDBY																				

DSP P.C.B (REP3707C-T) (SIDE A)																				
Ref No.	Q1002																			
MODE	E	C	B																	
CD PLAY	0.1	0.1	0																	
STANDBY																				

11.5. DSP (Side B) P.C.B.

DSP P.C.B (REP3707C-T) (SIDE B)																				
Ref No.	IC1002																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0.1	1.0	1.0	0	1.1	1.0	1.0	2.0												
STANDBY																				
Ref No.	IC1003																			
MODE	1	2	3	4	5															
CD PLAY	0.2	0.9	0	0.9	1.9															
STANDBY																				
Ref No.	IC1004																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0.9	1.1	0.2	0	0.2	0.7	0	0.2												
STANDBY																				
Ref No.	IC1005																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	1.1	0.1	0	0	0.1	0	0	0												
STANDBY																				
Ref No.	IC1006																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0.6	0	0.7	0	0	0	0	0	0	0	0	0.7	0	0	0	0	0
STANDBY																				
Ref No.	IC1006																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1
STANDBY																				
Ref No.	IC1006																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	0.2	0.2	0.2	0.2	0.1	0.1	0	0.1	0	0.2	0.2	0.1	0.2	0.1	0.2	0	0.3	0.3	0.2
STANDBY																				
Ref No.	IC1006																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0.3	0.2	0.2	0.3	0.2	0.2	0.1	0.3	0	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0	0.2
STANDBY																				
Ref No.	IC1006																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	0.2	0.3	0	0	0.2	0.6	0	0	0	0	0	0.7	0.7	0.7	0	0	0	0	0.2	0
STANDBY																				
Ref No.	IC1006																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	0	0.7	0	0.7	0	0.7	0.7	0.7	0.7	0.7	0.7	0	0	0	0	0	0.4	0.2	0.4	0
STANDBY																				
Ref No.	IC1006																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	0	0	0	0.1	0	0.1	0.1	0	0	0	0.3	0	0	0.7	0.7	0.5	0	0	0	0
STANDBY																				
Ref No.	IC1006																			
MODE	141	142	143	144																
CD PLAY	0	0.7	0	0																
STANDBY																				
Ref No.	IC1007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	0	0	0.2	0	2.0	0	0.2	0.2	0.2	0.2	0.2	0.2
STANDBY																				
Ref No.	IC1007																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0.2	0	0.2	0.4	0.3	0.7	0.2	0.2	0.3	0.1	0.2	0.3	0.3	0.6	1.1	0.3	0.3	0.3	0	0.2
STANDBY																				
Ref No.	IC1007																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	0	0.8	0	0.8	0	0.8	0	0.8												
STANDBY																				
Ref No.	IC1008																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0.2	0.2	0.2	0	0.2	0.5	0	0.2												
STANDBY																				

Ref No.	IC1009																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0.2	0	0.1	0.2	0.3	0.2	0	0.2	0.2	0	0	0.2	0.3	0.3	0.3	0	2.5	0	2.0	2.5
STANDBY																				
Ref No.	IC1009																			
MODE	21	22	23	24																
CD PLAY	0	1.0	0	0.1																
STANDBY																				
Ref No.	IC1010																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0.7	0.7	0.4	0.6	0.1	0.7	0.1	0.7	0	0.1	0.3	0.1	0.3	0.1	0.1	0	0	0	0.2
STANDBY																				
Ref No.	IC1011																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0.9	0	0	0.2	0	0.2	0	0.2	0	0.2	0	0	1.9
STANDBY																				
Ref No.	IC1013																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0.2	0	0.1	0.2	0.3	0.2	0	0.2	0.2	0	0	0.2	0.3	0.3	0.3	0.1	2.5	0	1.9	2.5
STANDBY																				
Ref No.	IC1013																			
MODE	11	12	13	14																
CD PLAY	0.1	1.0	0	0.1																
STANDBY																				
Ref No.	IC1014																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1
STANDBY																				
Ref No.	IC1014																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0.1	0.1	0.1	0	0.1	0	0	4.3	3.9	0.4	0.1	4.4	0.1	0.1	0.1	0.1	0.1	0.1	0	0
STANDBY																				
Ref No.	IC1014																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0.1	0	0	0.7	0.4	0.2	0.4	0	0.1	0.1	0.1	0	0.2	0	0.1	0.1	0.1	0.1	0	0.1
STANDBY																				
Ref No.	IC1014																			
MODE	61	62	63	64																
CD PLAY	0.1	0	0	0.1																
STANDBY																				
Ref No.	IC1015																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0.3	0	0	2.5	2.5	0.2	0	0.2	0.3	0.3	0	0	0	0.2	0.2	0.2	0.1	0.3	0.2	0.1
STANDBY																				
Ref No.	IC1015																			
MODE	21	22	23	24	25	26	27	28												
CD PLAY	0.1	1.9	0	2.5	2.5	0	0	0.4												
STANDBY																				
Ref No.	IC1016																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0.2	1.2	0.2	1.2	0.7	1.2	0.7	1.2	0	0	1.5	0.7	1.5	0.7	0	0.7	1.5	0	0.2
STANDBY																				
Ref No.	IC1018																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	1.6	0	1.2	0	1.5	1.1	1.6	1.1	0	1	1.7	1	1.6	0	1.2	0	1.6	0	3.2
STANDBY																				

DSP P.C.B (REP3707C-T) (SIDE B)																				
Ref No.	Q1001																			
MODE	E	C	B																	
CD PLAY	1.9	1.8	0.7																	
STANDBY																				

11.6. Main P.C.B.

MAIN P.C.B (REP3715F-M)																				
Ref No.	IC6101																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	12.2	11.8	5.5	5.5	0.5	0.5	0	0												
STANDBY																				
Ref No.	IC6102																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	12.2	11.8	5.5	5.5	0.5	0.5	0	0												
STANDBY																				
Ref No.	IC6201																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	12.2	11.8	5.5	5.5	0.5	0.5	0	0												
STANDBY																				
Ref No.	IC6202																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	12.2	11.8	5.5	5.5	0.5	0.5	0	0												
STANDBY																				
Ref No.	IC6701																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	5.3	0.1	0	3.3	2.5															
STANDBY																				
Ref No.	IC6702																			
MODE	1	2	3																	
CD PLAY	5.3	0.1	3.4																	
STANDBY																				
Ref No.	IC6703																			
MODE	1	2	3																	
CD PLAY	14.5	0.1	12.3																	
STANDBY																				
Ref No.	IC6801																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	2.2	3.4	3.4	0	0	0	0	1.5	0	0.6	0	0.5	3.4	0.1	0.1	3.4	0	0
STANDBY																				
Ref No.	IC6801																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0.1	0	0	3.4	1.5	1.5	1.5	0	1.5	1.5	3.4	0	0	0	0	0	0	0	0.4
STANDBY																				
Ref No.	IC6801																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	3.4	0	3.4	0	0	3.4	0	3.4	0	0	3.4	0	3.4	0	0	3.4	0	3.4	0.1
STANDBY																				
Ref No.	IC6801																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	3.4	0	3.4	0	0	3.4	0	3.4	0	0	3.4	0	3.4	0	0	0	3.4	0	3.4
STANDBY																				
Ref No.	IC6802																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0.7	0.5	0	1.3	3.4	0	0	0	0	0	0	0	0	3.4						
STANDBY																				
Ref No.	IC6803																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	-	0	0	5.3	5.3															
STANDBY																				
Ref No.	IC6804																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.2	1.5	2.1	1.5	0	4.9	0	0	0	2.1	0.2	0.3	0	5.1	0	0				
STANDBY																				

Ref No.	IC6806																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-14.8	0	0	0	15.2												
STANDBY																				
Ref No.	IC6807																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-14.8	0	0	0	15.1												
STANDBY																				
Ref No.	IC6808																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	3.4	0	0.1	0	0	0.1	0	0.1	0	3.4	0.1	0	0	3.4						
STANDBY																				
Ref No.	IC6809																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	3.4	0	0.1	0	0	0.1	0	0.1	0	3.4	0.1	0	0	3.4						
STANDBY																				
Ref No.	IC6810																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	3.4						
STANDBY																				
Ref No.	IC6812																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0.1	3.4	0	0.1	0	0	1.3	1.9	0	3.4	0	3.4	0	0	3.4	0	3.4	0	3.4
STANDBY																				
Ref No.	IC6812																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0.1	0	0	0	0	0.3	1.3	2.7	0	11.6	10.8	10.9	5.4	5.4	0	0	10.8	10.9	5.4	5.4
STANDBY																				
Ref No.	IC6812																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	0	10.8	10.7	5.4	0	0	10.8	10.9	5.4	5.4	5.4	0	0	12.3	0				
STANDBY																				
Ref No.	IC6813																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	-	0.1	3.4	0	0.1	0	0	1.3	1.9	0	3.4	0	3.4	0	0	3.4	0	3.4	0	3.4
STANDBY																				
Ref No.	IC6813																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0.1	0	0	0	0	0.1	1.3	3.4	0	12.3	10.8	10.9	5.4	5.4	0	0	10.8	10.9	5.4	5.4
STANDBY																				
Ref No.	IC6813																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
CD PLAY	0	0	10.8	10.9	5.4	5.4	0	0	10.8	10.8	5.4	5.4	0	0	12.3	0				
STANDBY																				
Ref No.	IC6817																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	3.2	3.2	0	0	3.2	0	3.2	0	3.2	0	3.2	0	3.2	3.2						
STANDBY																				
Ref No.	IC6901																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	4.8	5.1	4.8	0.1	0	0	0	4.8	4.9	0	0.3	4.8	0	0	0	4.8	5	0	4.8	2.4
STANDBY																				
Ref No.	IC6901																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	2.2	2.2	0	4.8	0	4.8	4.8	4.8	0	4.8	0	4.7	4.8	4.7	0	4.7	0	2.6	2.6
STANDBY																				
Ref No.	IC6901																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	3.8	2.5	5	5	0	0	4.8	0	0	0	0	4.8	5	5	4.8	5	4.9	5	0	0
STANDBY																				
Ref No.	S																			
MODE	61	62	63	64																
CD PLAY	0	0	5	5																
STANDBY																				

MAIN P.C.B (REP3715F-M)															
Ref No.	Q6101			Q6102			Q6103			Q6104			Q6105		
MODE	S	D	G	S	D	G	S	D	G	S	D	G	E	C	B
CD PLAY	5.5	10.8	5.5	0	5.5	0	5.5	10.8	5.5	0	5.5	0	0.4	0.5	1.2
STANDBY															
Ref No.	Q6106			Q6107			Q6108			Q6171			Q6172		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
CD PLAY	0.3	0.5	1.2	0.4	0.5	1.2	0.4	0.5	1.2	5.4	10.7	5.4	5.4	10.7	5.4
STANDBY															
Ref No.	Q6181			Q6182			Q6201			Q6202			Q6203		
MODE	E	C	B	E	C	B	S	D	G	S	D	G	S	D	G
CD PLAY	0.2	0.2	0.9	0.2	0.2	0.9	5.5	10.8	5.5	0	5.5	0	5.5	10.8	5.4
STANDBY															
Ref No.	Q6204			Q6205			Q6206			Q6207			Q6208		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
CD PLAY	0	5.5	0	0.8	0.5	0.4	0.4	0.5	1.2	0.4	0.5	1.2	0.4	0.5	1.2
STANDBY															
Ref No.	Q6271			Q6272			Q6281			Q6282			Q6301		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	S	D	G
CD PLAY	5.4	10.7	5.4	5.4	10.7	5.4	0.2	0.2	0.9	0.2	0.2	0.9	5.4	10.8	5.4
STANDBY															
Ref No.	Q6302			Q6303			Q6304			Q6371			Q6372		
MODE	S	D	G	S	D	G	S	D	G	E	C	B	E	C	B
CD PLAY	0	5.4	0	5.4	10.8	5.4	0	5.4	0	5.4	10.7	5.4	5.4	10.7	5.4
STANDBY															
Ref No.	Q6401			Q6402			Q6403			Q6404			Q6471		
MODE	S	D	G	S	D	G	S	D	G	S	D	G	E	C	B
CD PLAY	5.4	10.8	5.4	0	5.4	0	5.4	10.8	5.4	0	5.4	0	5.4	10.7	5.4
STANDBY															
Ref No.	Q6472			Q6501			Q6502			Q6503			Q6504		
MODE	E	C	B	S	D	G	S	D	G	S	D	G	S	D	G
CD PLAY	5.4	10.7	5.4	5.4	10.8	5.4	0	5.4	0	5.4	10.8	5.4	0	5.4	0
STANDBY															
Ref No.	Q6571			Q6572			Q6601			Q6602			Q6603		
MODE	E	C	B	E	C	B	S	D	G	S	D	G	S	D	G
CD PLAY	5.4	10.7	5.4	5.4	10.7	5.4	5.4	10.8	5.4	0	5.4	0	5.4	10.8	5.4
STANDBY															
Ref No.	Q6604			Q6671			Q6672			Q6701			Q6702		
MODE	S	D	G	E	C	B	E	C	B	E	C	B	E	C	B
CD PLAY	0	5.4	0	5.4	10.7	5.4	5.4	10.7	5.4	0	0	0.7	15.2	14.5	14.4
STANDBY															
Ref No.	Q6703			Q6801			Q6802			Q6803			Q6804		
MODE	E	C	B	S	D	G	S	D	G	E	C	B	E	C	B
CD PLAY	14.5	14.5	3.6	0.1	0.1	3.0	0.1	0.1	3.4	0	5.3	0.1	3.4	0	3.4
STANDBY															
Ref No.	Q6805			Q6806			Q6807			Q6808			Q6809		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
CD PLAY	10.8	0	10.8	0	5	0	0	0	0.7	0	3.2	0	0	0	0.6
STANDBY															
Ref No.	Q6810			Q6811			Q6851			Q6852			Q6861		
MODE	S	D	G	E	C	B	E	C	B	E	C	B	E	C	B
CD PLAY	0	5	0	0	0.6	0	5.7	5.7	0.6	5.7	5.2	0	5.7	5.7	0.6
STANDBY															
Ref No.	Q6862			Q6871			Q6872			Q6872			Q6872		
MODE	E	C	B	1	2	3	4	5	6	1	2	3	4	5	6
CD PLAY	5.7	5.7	0	0	0.7	0	0	0.7	0	0	0.7	0	0	0	0
STANDBY															
Ref No.	Q6873			Q6901			Q6901			Q6901			Q6901		
MODE	1	2	3	4	5	6	E	C	B	E	C	B	E	C	B
CD PLAY	0	0.7	0	0	0.7	0	0	4.9	0	0	4.9	0	0	4.9	0
STANDBY															

11.7. HDMI (Side A) P.C.B.

HDMI P.C.B (REP3737A-T) SIDE A																				
Ref No.	IC2001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	-0.1	-0.1
STANDBY																				
Ref No.	IC2001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	0	0	-0.1	0	0	0	-0.1	0	0	-0.1	-0.1	0	0	0	0	0	-0.1	-0.1	0
STANDBY																				
Ref No.	IC2001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	-0.1	-0.1	0	0	-0.1	-0.1	0	0	-0.1	0	0	0	0	0	0	1.7	0.7	0	0
STANDBY																				
Ref No.	IC2001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2001																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	0	0	1.3	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2001																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2001																			
MODE	141	142	143	144																
CD PLAY	1	2	3	4																
STANDBY																				
Ref No.	IC2002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2002																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	1.7	1.7	0	0.6	0.6	0	0.7	0.8	0	0.7	0.6	0	0	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2002																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2002																			
MODE	61	62	63	64																
CD PLAY	0	0	0	0																
STANDBY																				
Ref No.	IC2004																			
MODE	1	2	3	4	5															
CD PLAY	0	0	0	0	0															
STANDBY																				
Ref No.	IC2005																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2005																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2005																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	0	0	0	0	0	0	0	0												
STANDBY																				
Ref No.	IC2006																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0.1	0	0	4.9	0.8	4.9												
STANDBY																				
Ref No.	IC2007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	0	0	2.2	0.1	2.3	1.3	0	0.1	2.8	-2.7	2.9	0	0	0						
STANDBY																				
Ref No.	IC2008																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0.2	0	2.2	0	0	0	0	0	0	0	0	0	0.1	0	4.3	0	0.4	0	5.3
STANDBY																				
Ref No.	IC2009																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.5	1.5	1.1	1.5	1.1	1.5	2.1	1.5	0	0	1.7	1.2	0.7	0.1	1.7	1.6	1.7	1.7	3.5	0
STANDBY																				
Ref No.	IC2010																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	3.4	0	0	0	0	3.4												
STANDBY																				
Ref No.	IC2011																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	0	2.8	2.8	0	0.8												
STANDBY																				

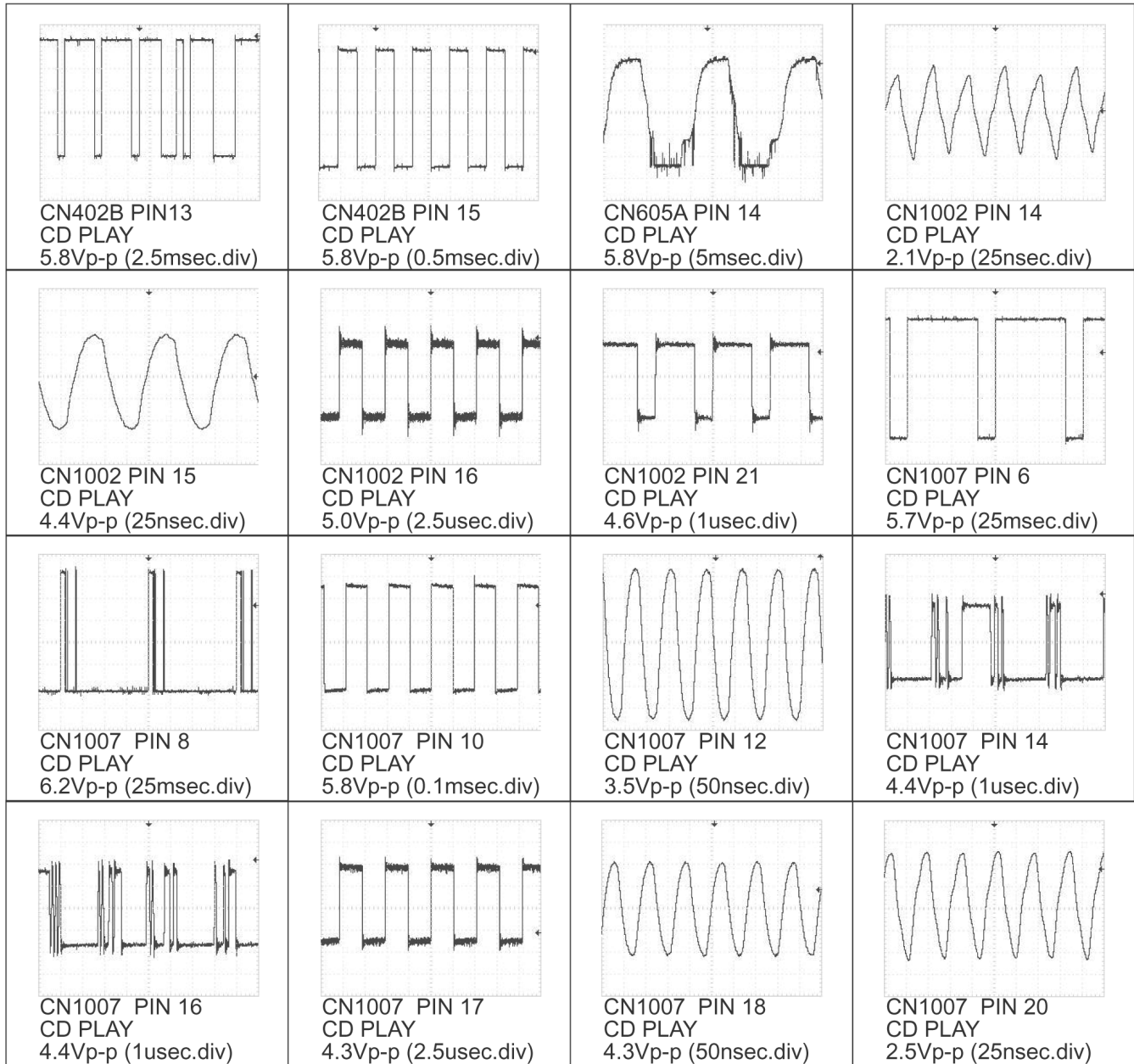
HDMI P.C.B (REP3737A-T) SIDE A																
Ref No.	Q2003			Q2007			Q2008			Q2013			Q2016			
MODE	E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	0.8	0		3.5	5.4	3.5		3.5	5.4	3.5		0	3.4	0	
STANDBY														0	4.9	0
Ref No.	Q2017			Q2018												
MODE	E	C	B		E	C	B									
CD PLAY	0	3.5	0		3.5	0.1	3.4									
STANDBY																

11.8. HDMI (Side B) P.C.B.

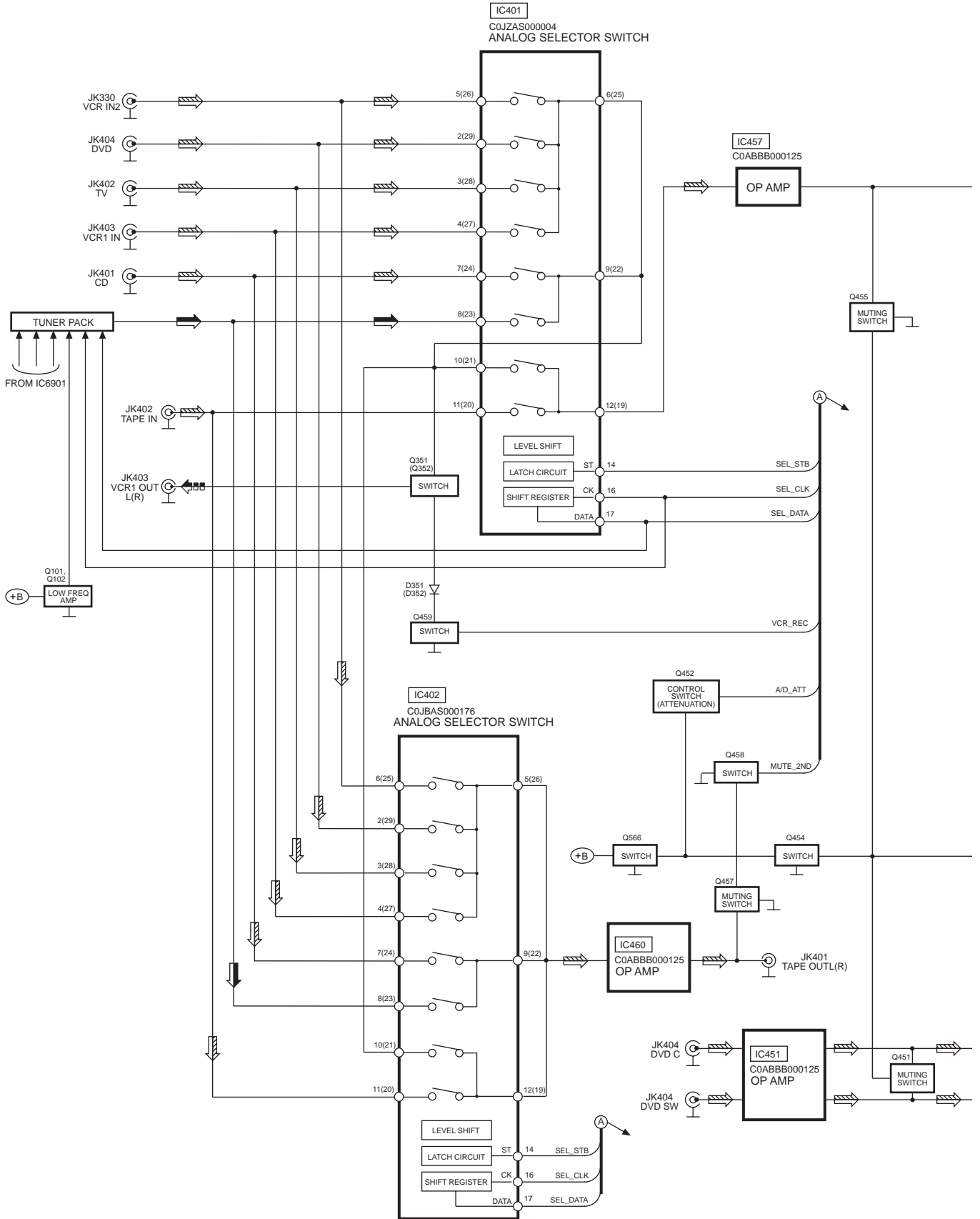
HDMI P.C.B (REP3737A-T) SIDE B																				
Ref No.	IC551																			
MODE	1	2	3	4	5	6														
CD PLAY	1.5	0	1.5	1.5	3.2	1.5														
STANDBY																				
Ref No.	IC2003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.4	3.5	0.1	2.5	0.2	0	2.8	0	0	0	0	3.4	1.7	0	1.6	0.1	3.4	0.1	0	0.4
STANDBY																				
Ref No.	IC2003																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	0	0	0	0	3.2	3.2	3.4	3.4	0.4	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2003																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	0	0	3.1	0	0	0	0	0.3	3.4	0	3.4	0	0	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2003																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	3.4	0	0	0	0	0	0	0	3.5	0.5	0	4.2	0.2	0	0	0	0	0	0
STANDBY																				
Ref No.	IC2003																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.8	0	0	3.4	0.5	0
STANDBY																				

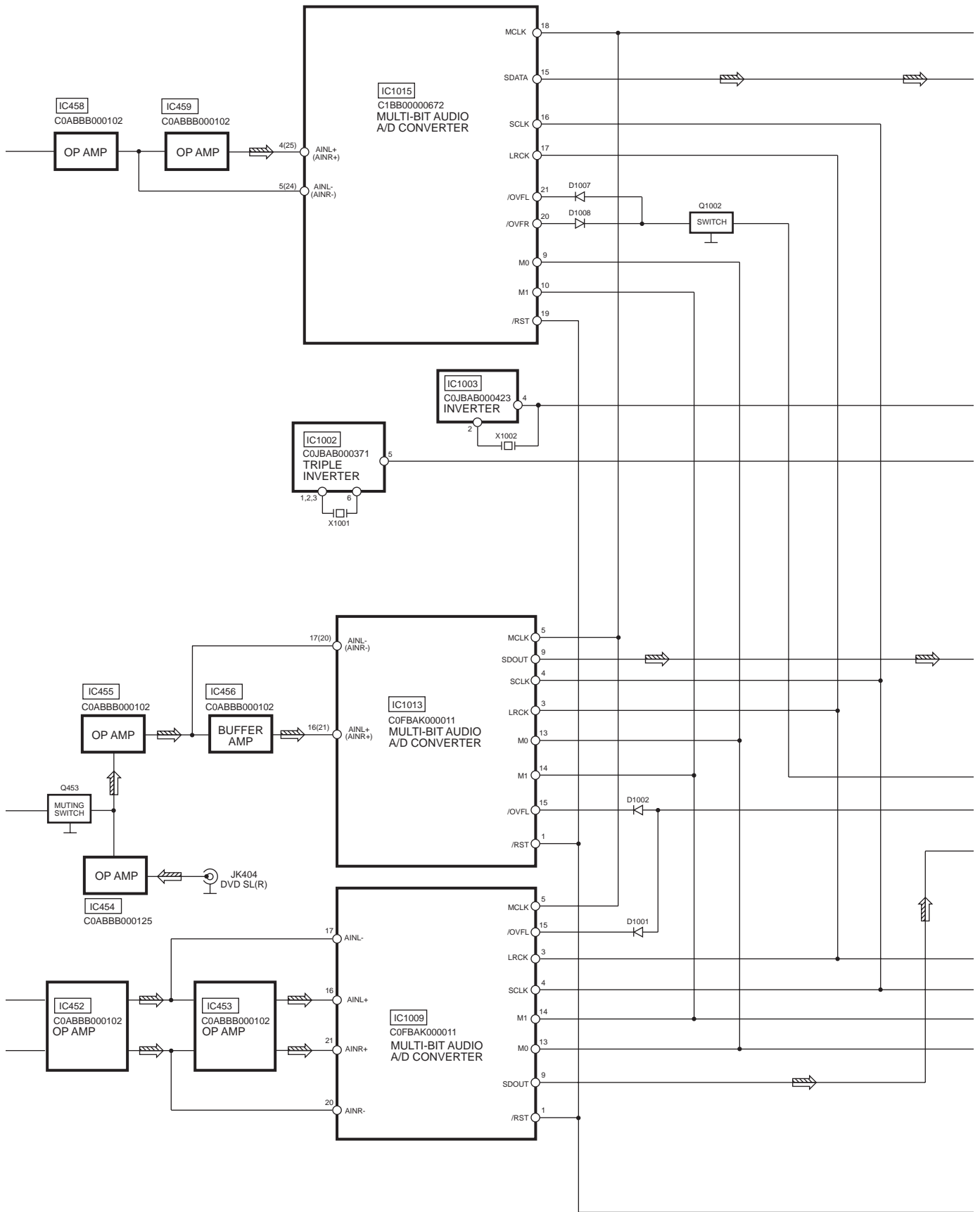
HDMI P.C.B (REP3737A-T) SIDE B																			
Ref No.	Q2006			Q2009			Q2010			Q2011			Q2012						
MODE	E	C	B		E	C	B		E	C	B		S	D	G		S	D	G
CD PLAY	0	0.6	0		3.5	2.8	3.3		3.5	2.8	3.2		0.8	0	0.4		0	0.8	0.4
STANDBY																			

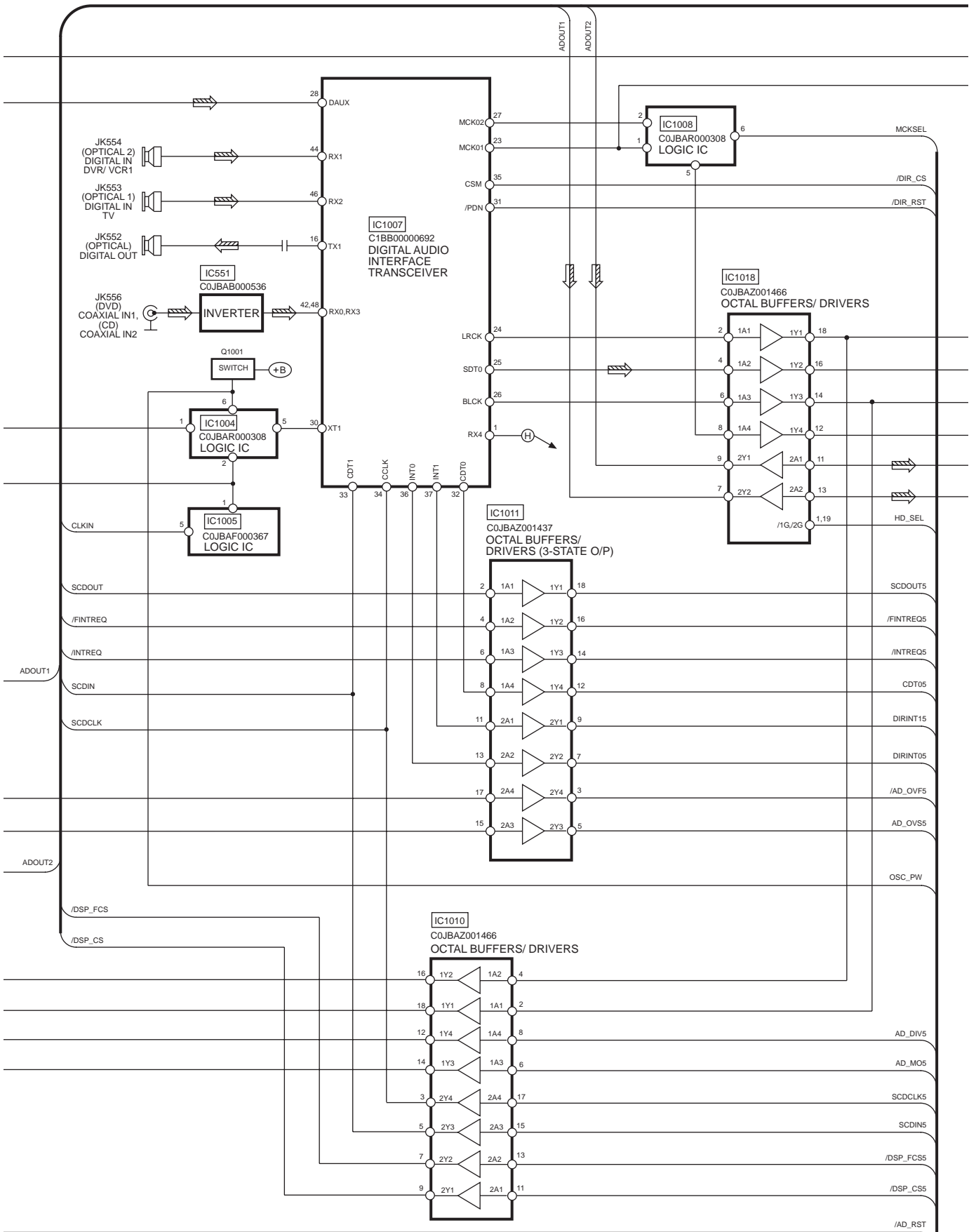
12 Waveform Chart

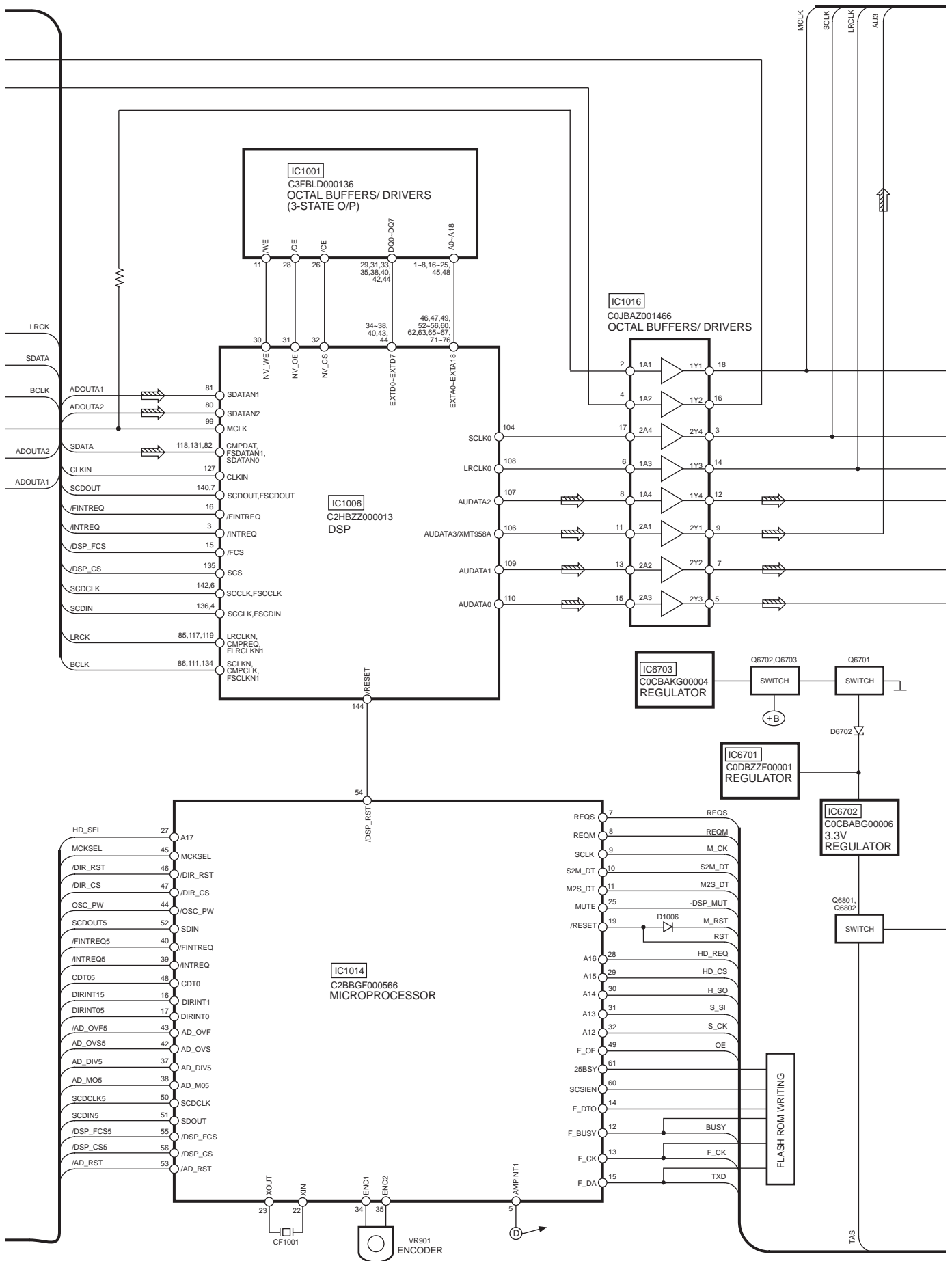


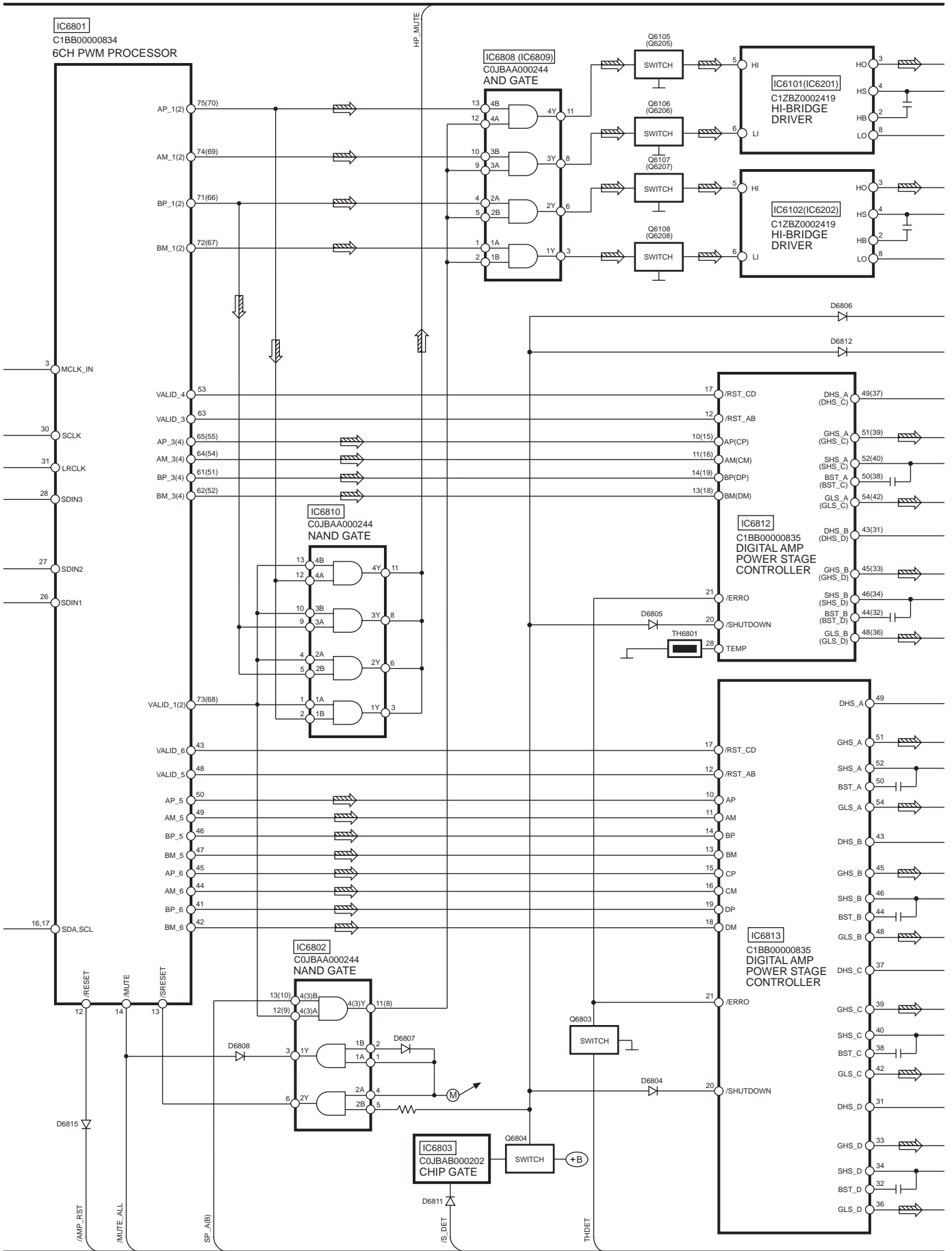
13 Block Diagram

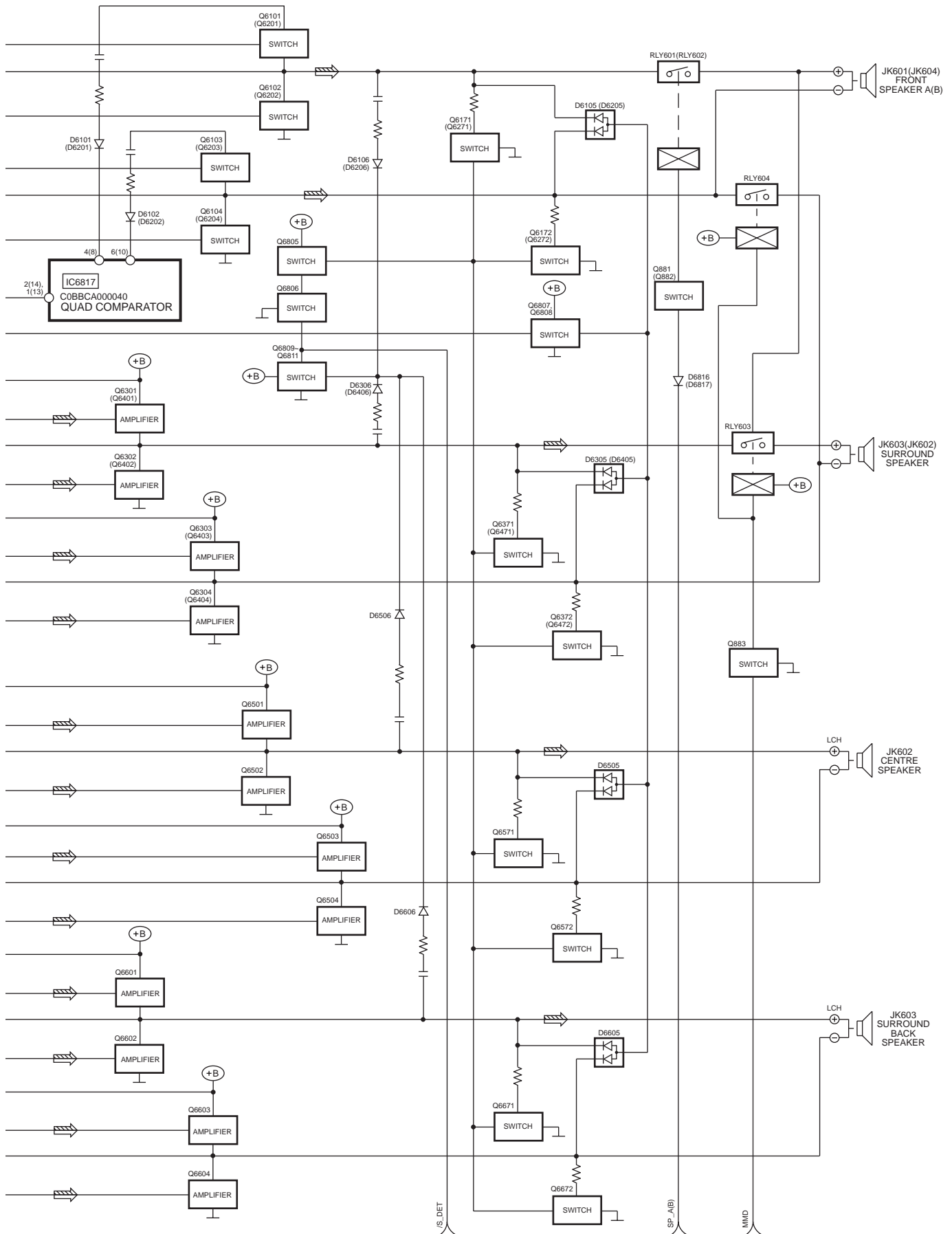


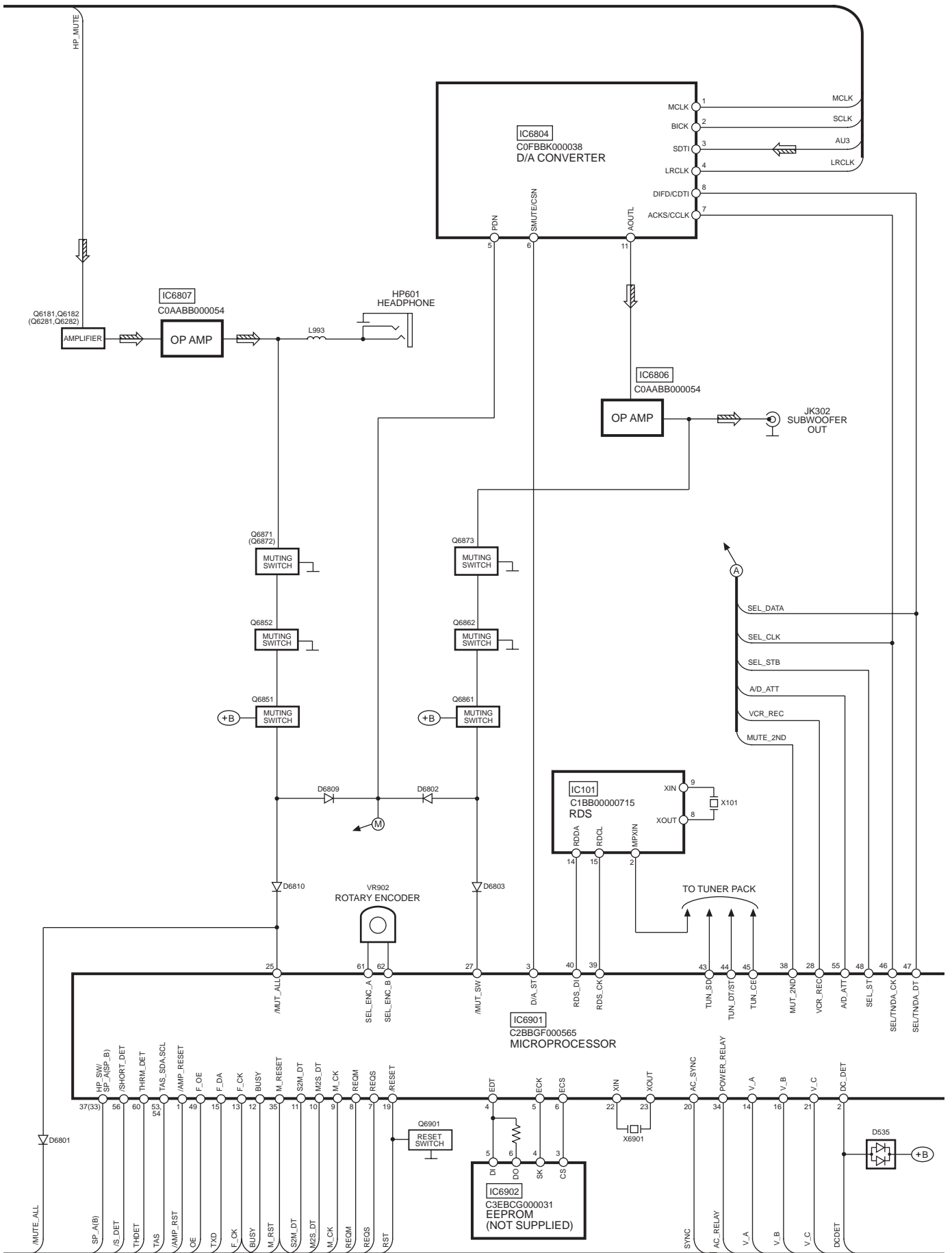


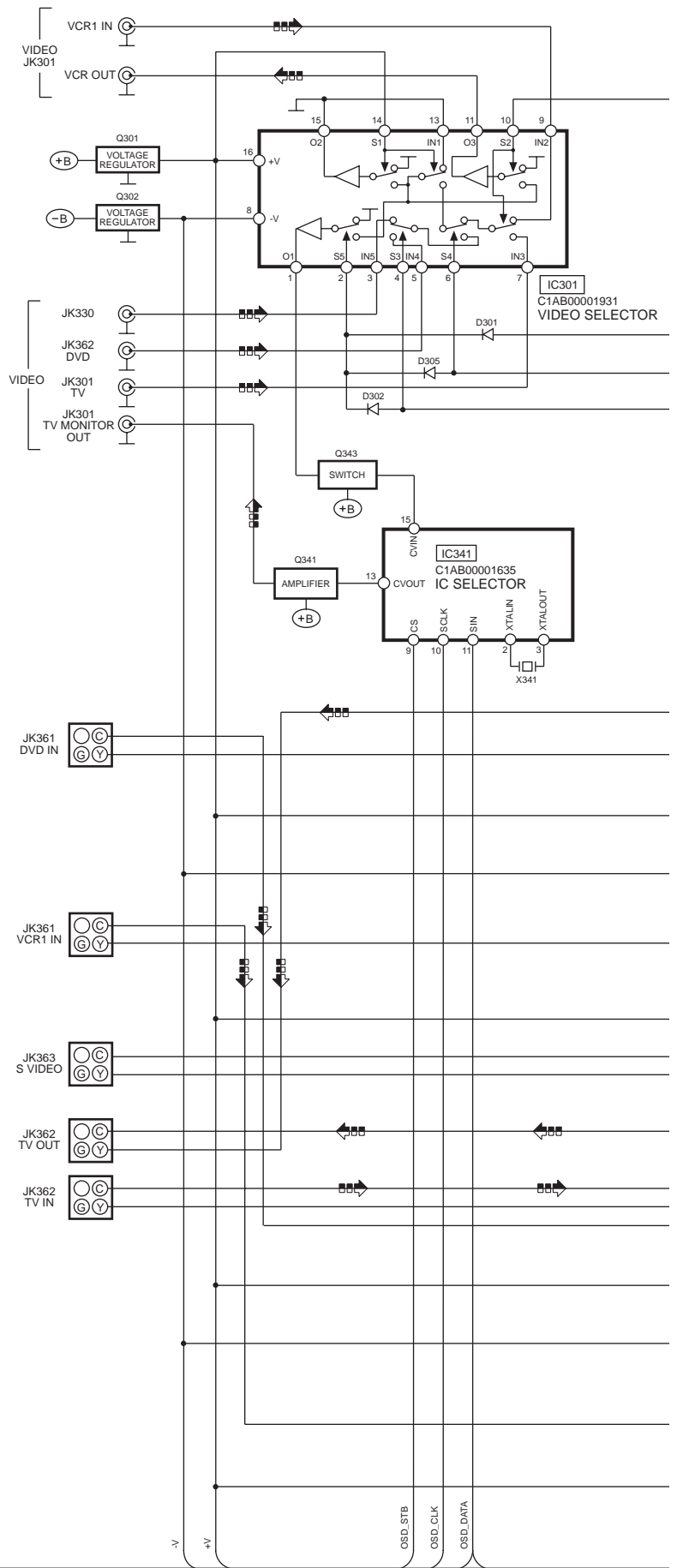
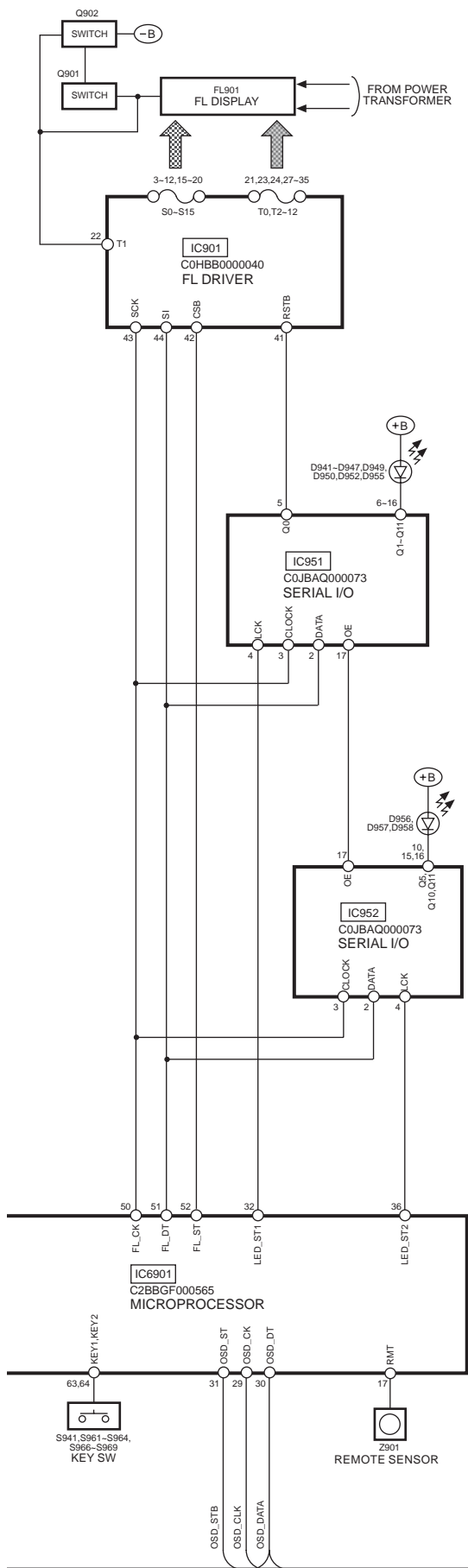


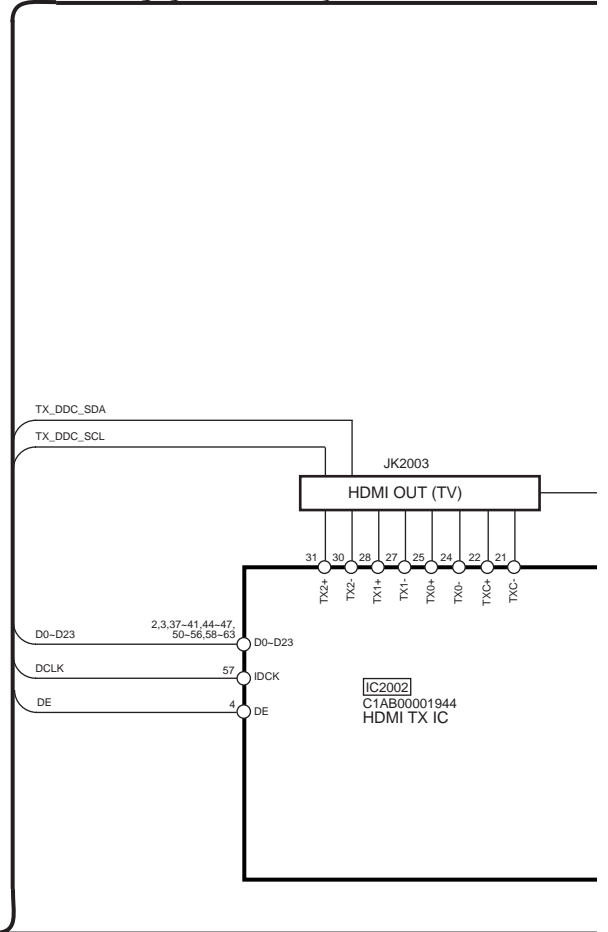
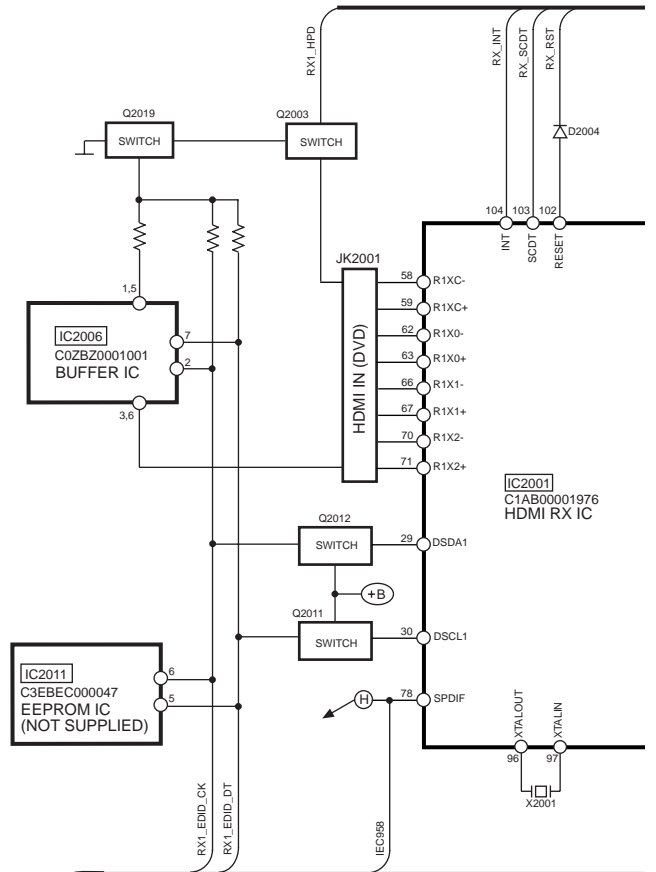
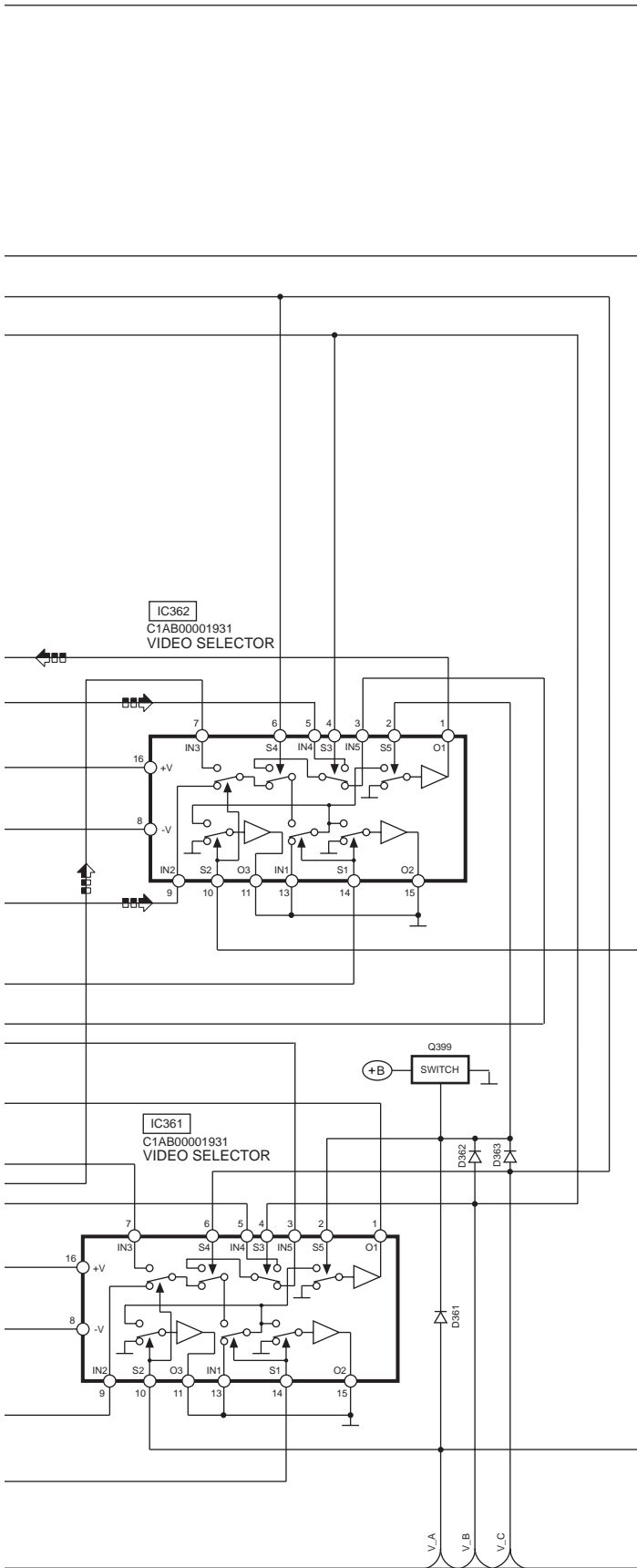


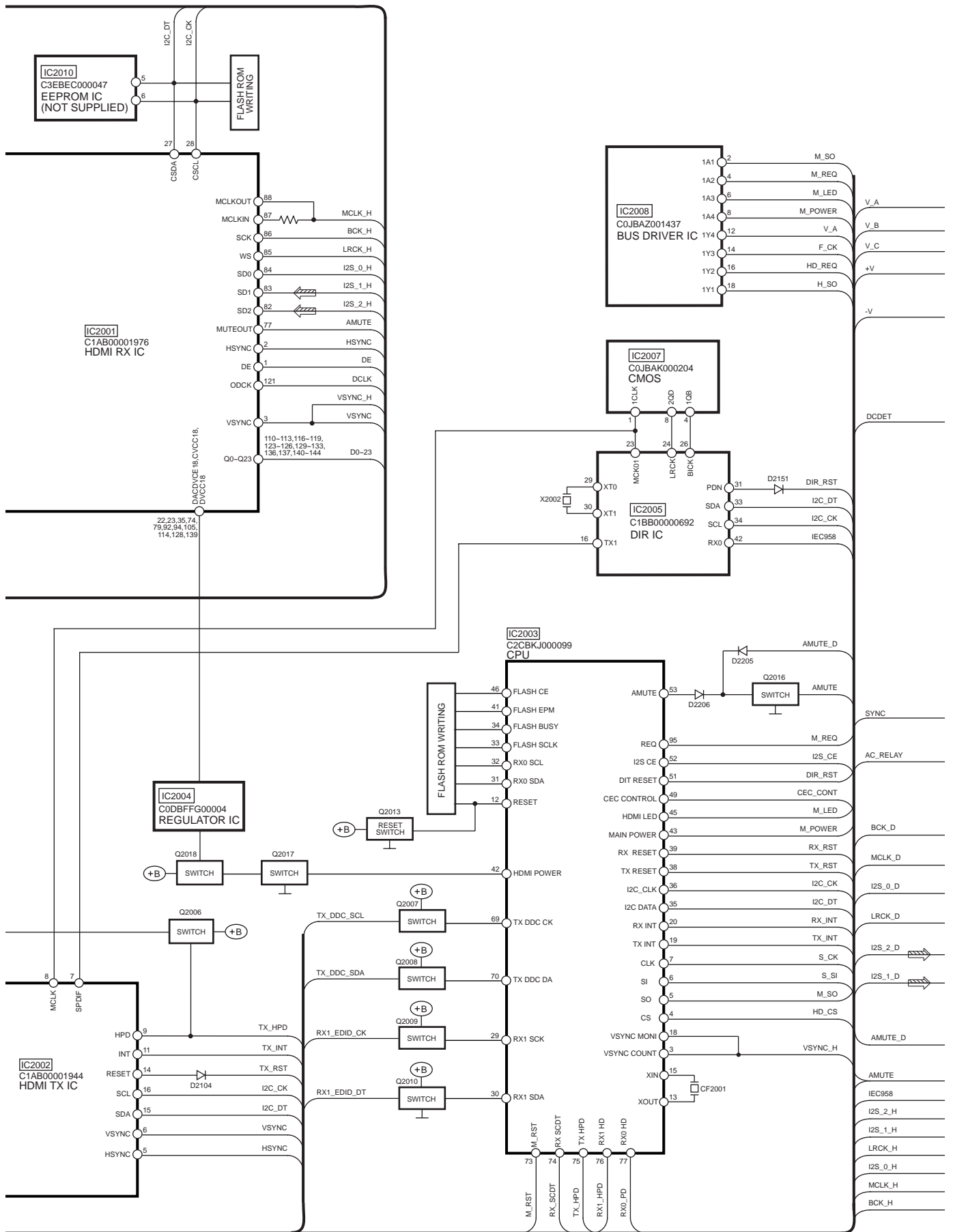




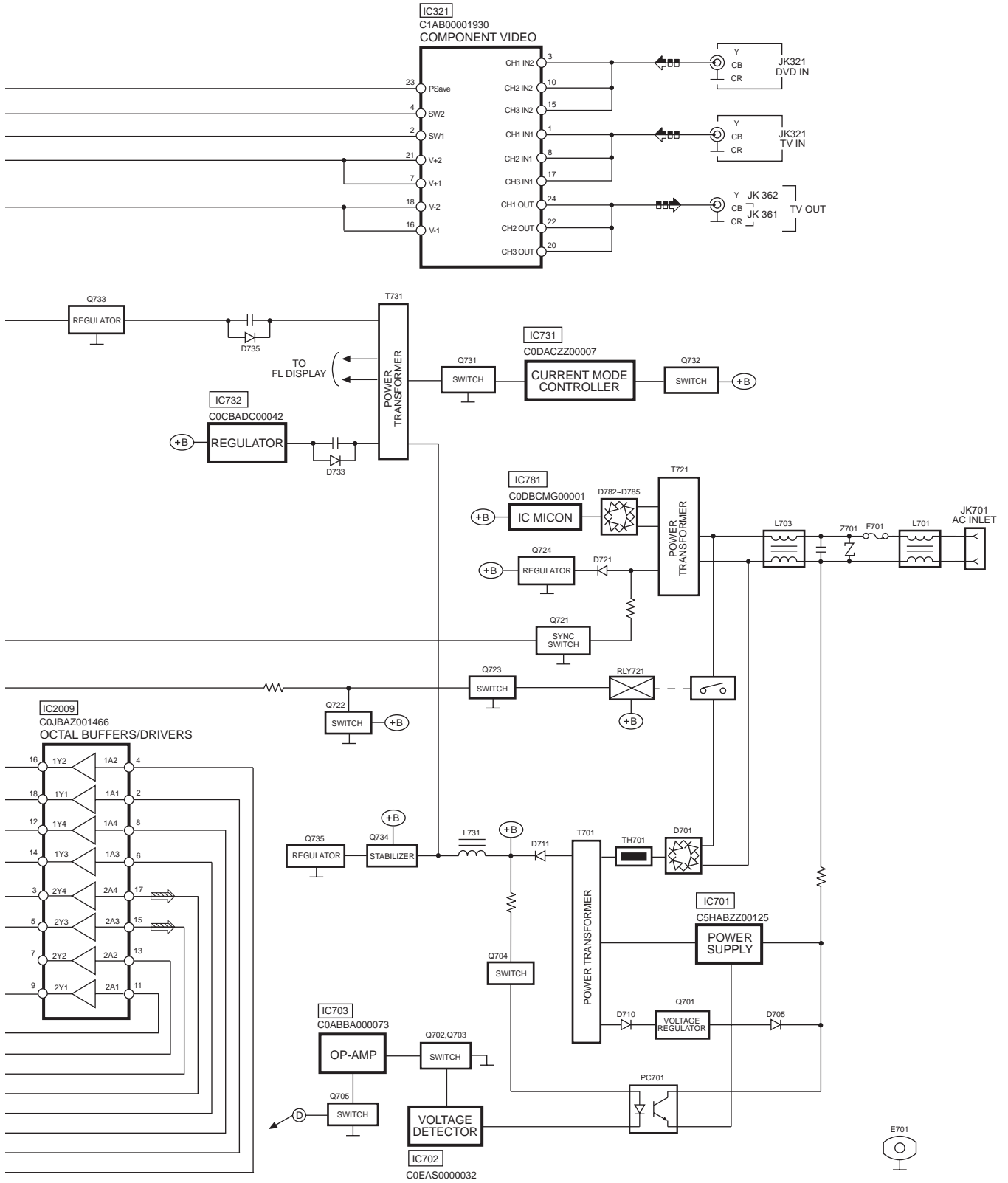








SIGNAL LINES



14 Notes of Schematic Diagram

(All schematic diagrams may be modified at any time with the development of the new technology)

Note:

S941	: POWER switch
S961	: BI-WIRE switch
S962	: BASS SYNTHESIZER switch
S963	: REMASTER switch
S964	: TUNE UP switch
S966	: SPEAKERS A + B / SPEAKER A/B switch
S967	: MULTI CONTROL switch
S968	: 6.1 CH DECODING switch
S969	: TUNE DOWN switch

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

(()) : CD < > : FM

• Importance safety notice :

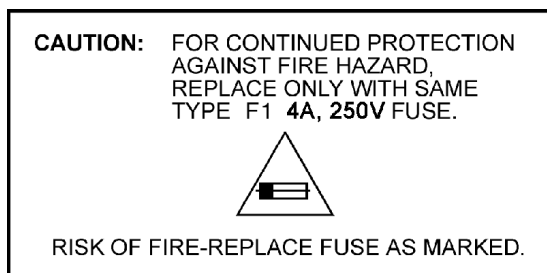
Components identified by \triangle mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution !

IC, LSI and VLSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.



FUSE CAUTION



These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection against fire hazard, replace with the same type fuse. For fuse rating, refer to the marking adjacent to the symbol.

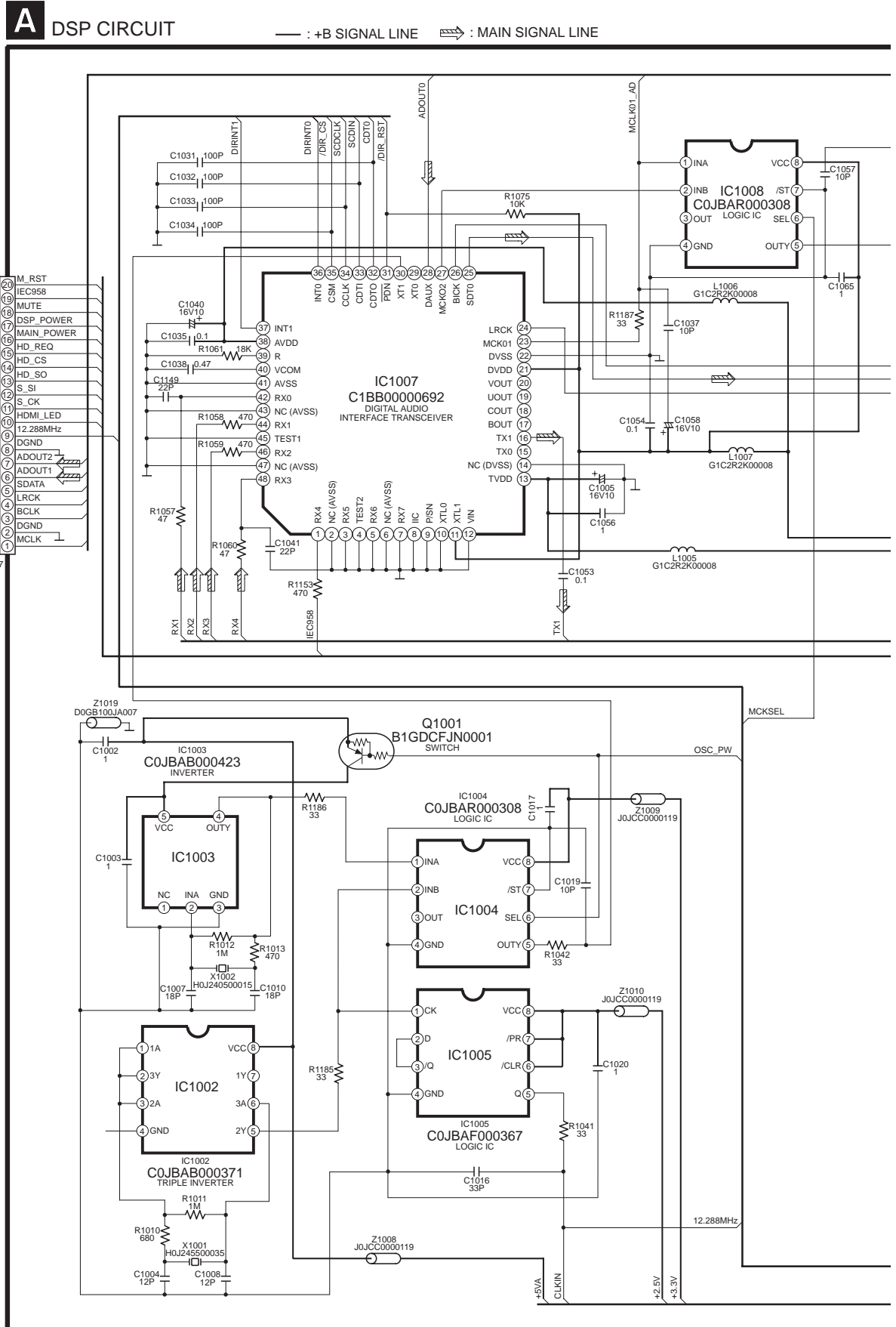


Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n' utiliser que des fusibles de même type. Ce dernier est indiqué là où le présent symbole est apposé.

15 Schematic Diagram

15.1. DSP CIRCUIT

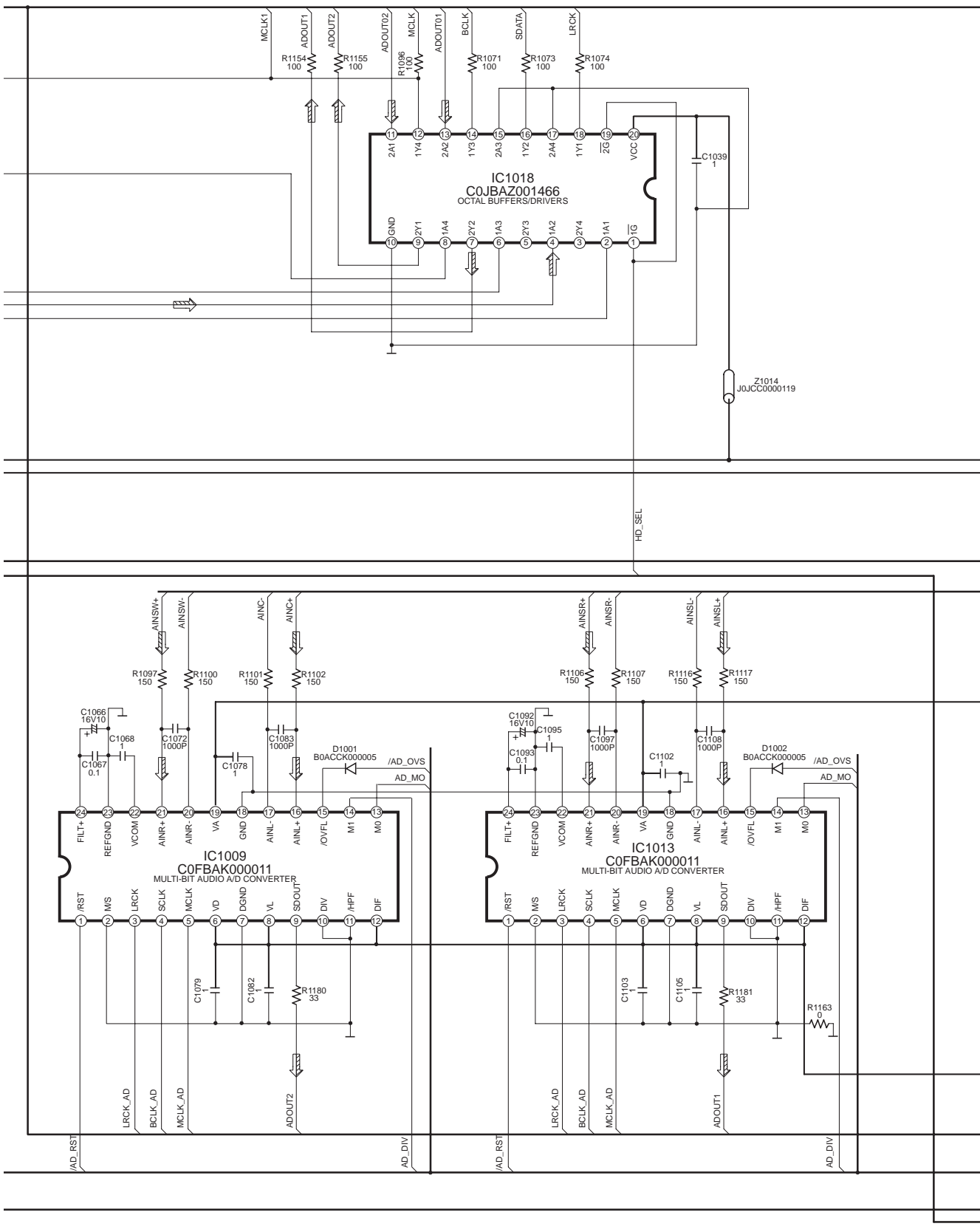
SCHEMATIC DIAGRAM - 1



SCHEMATIC DIAGRAM - 2

A DSP CIRCUIT

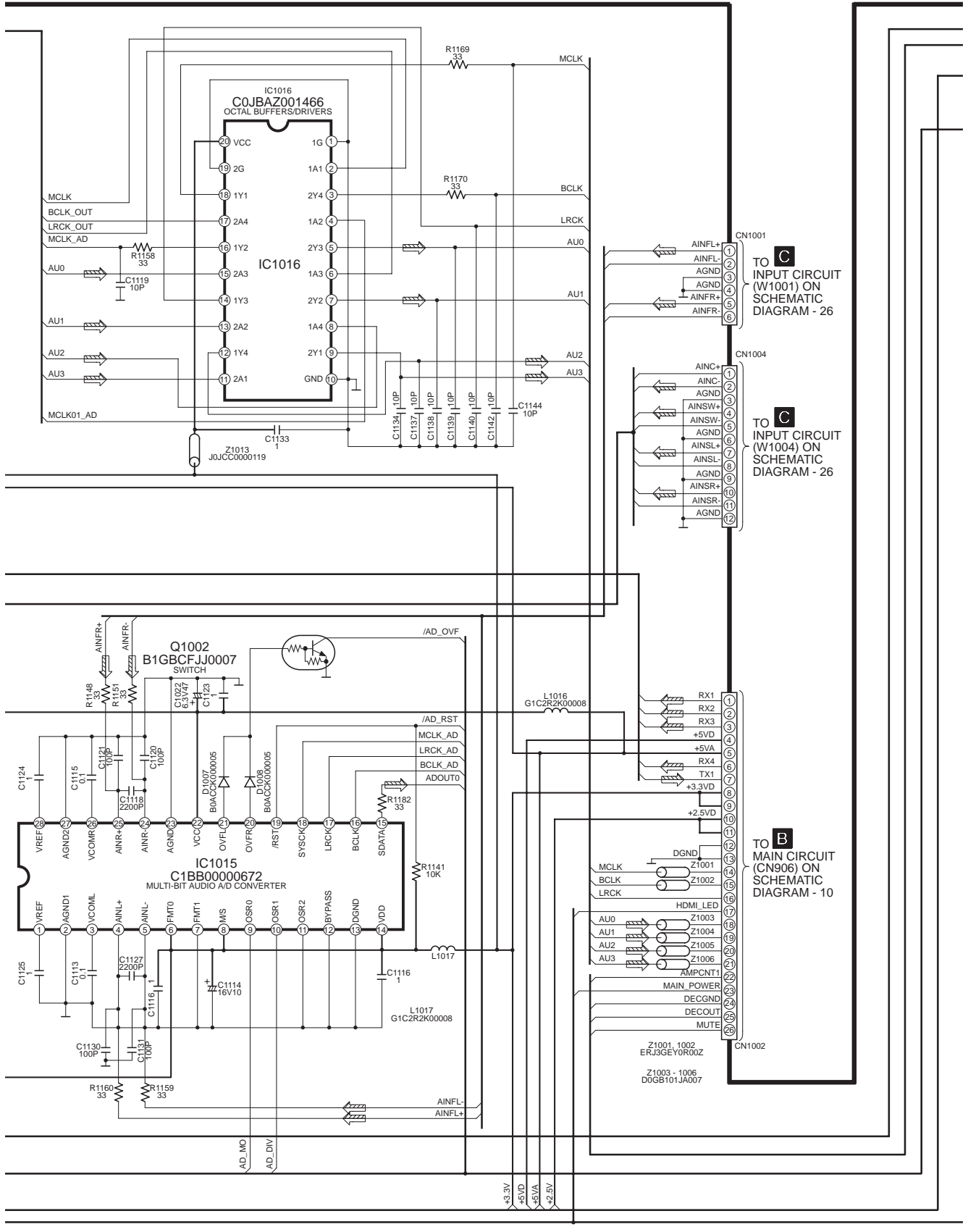
— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 3

A DSP CIRCUIT

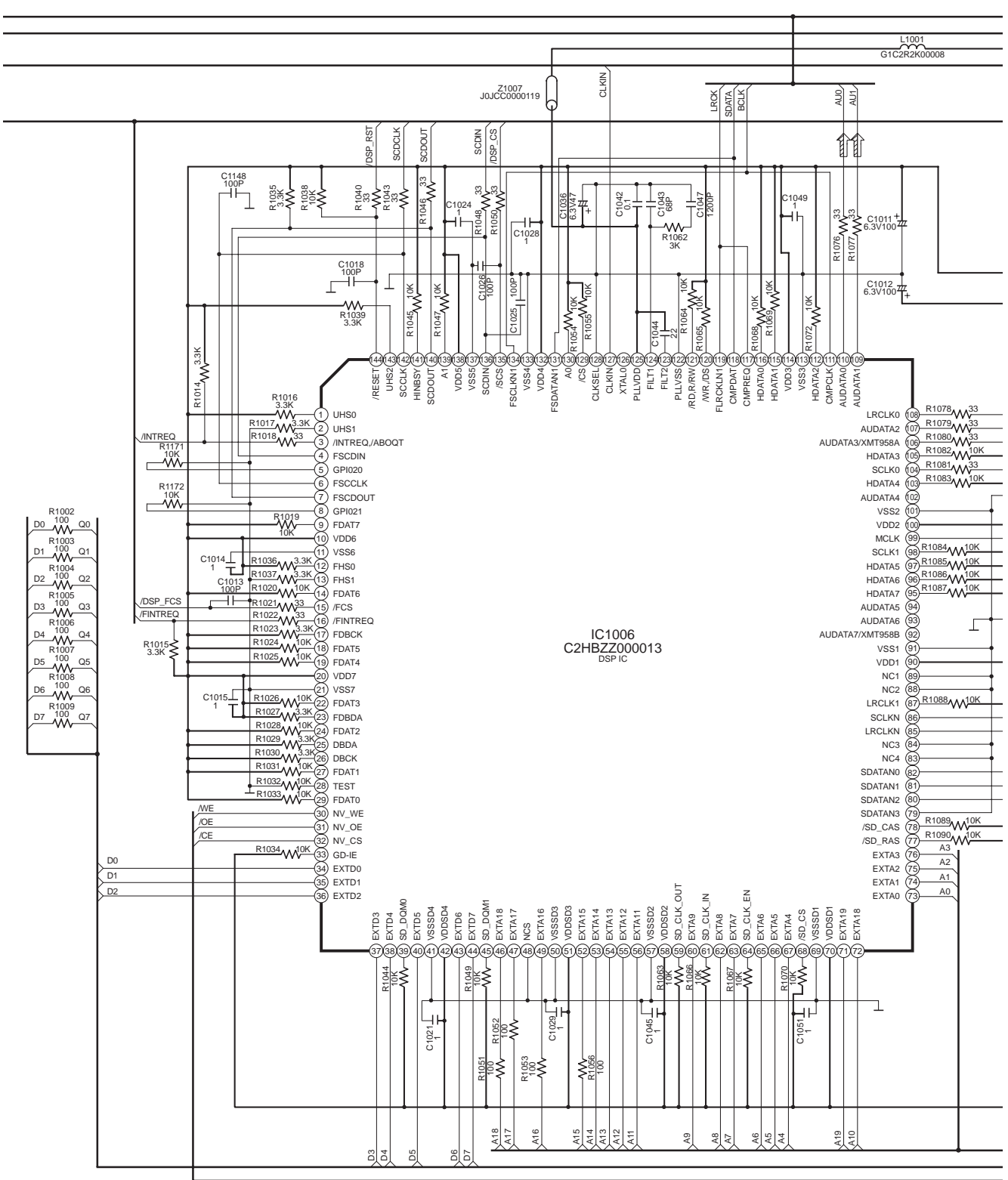
— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 4

A DSP CIRCUIT

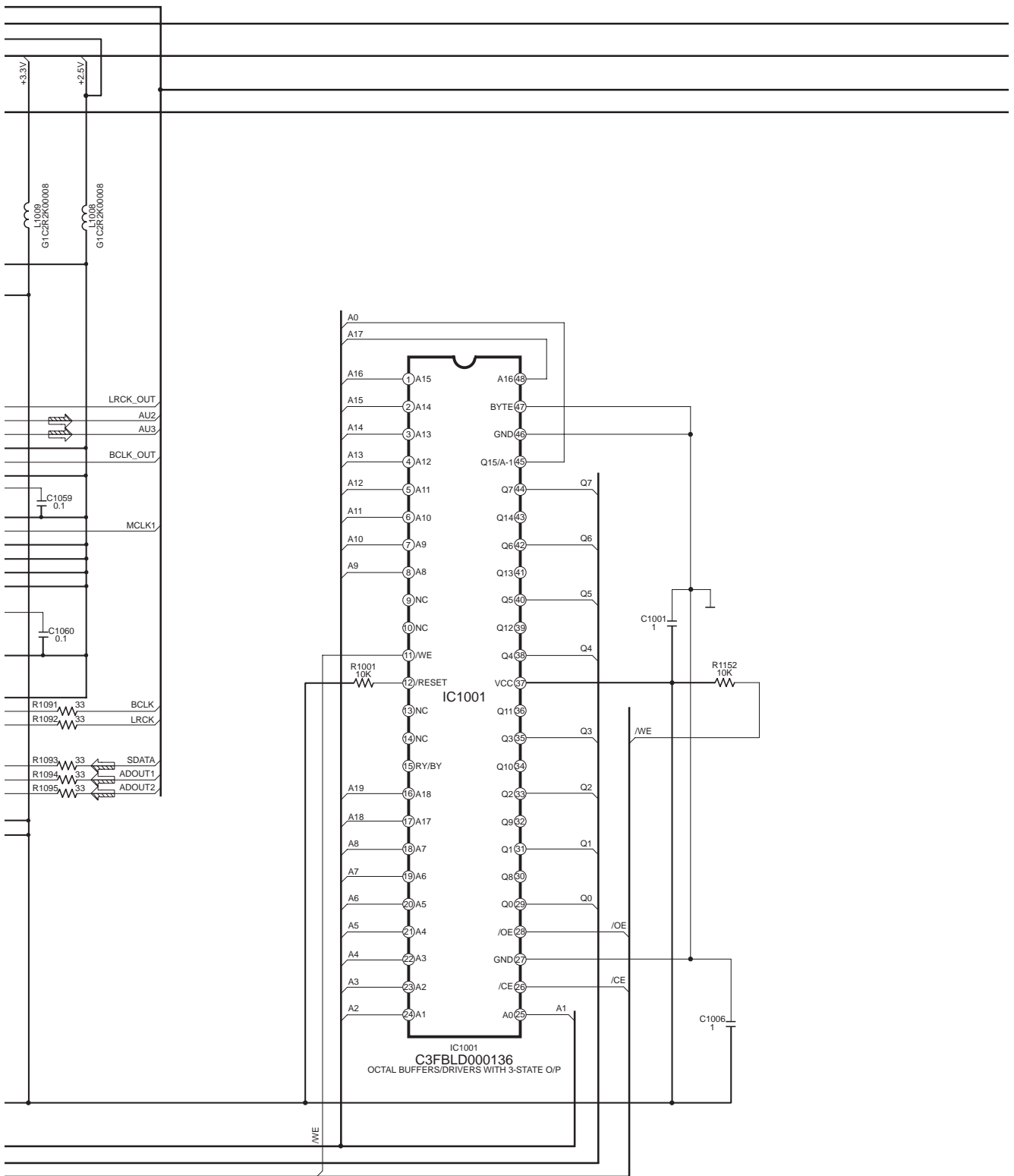
— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 5

A DSP CIRCUIT

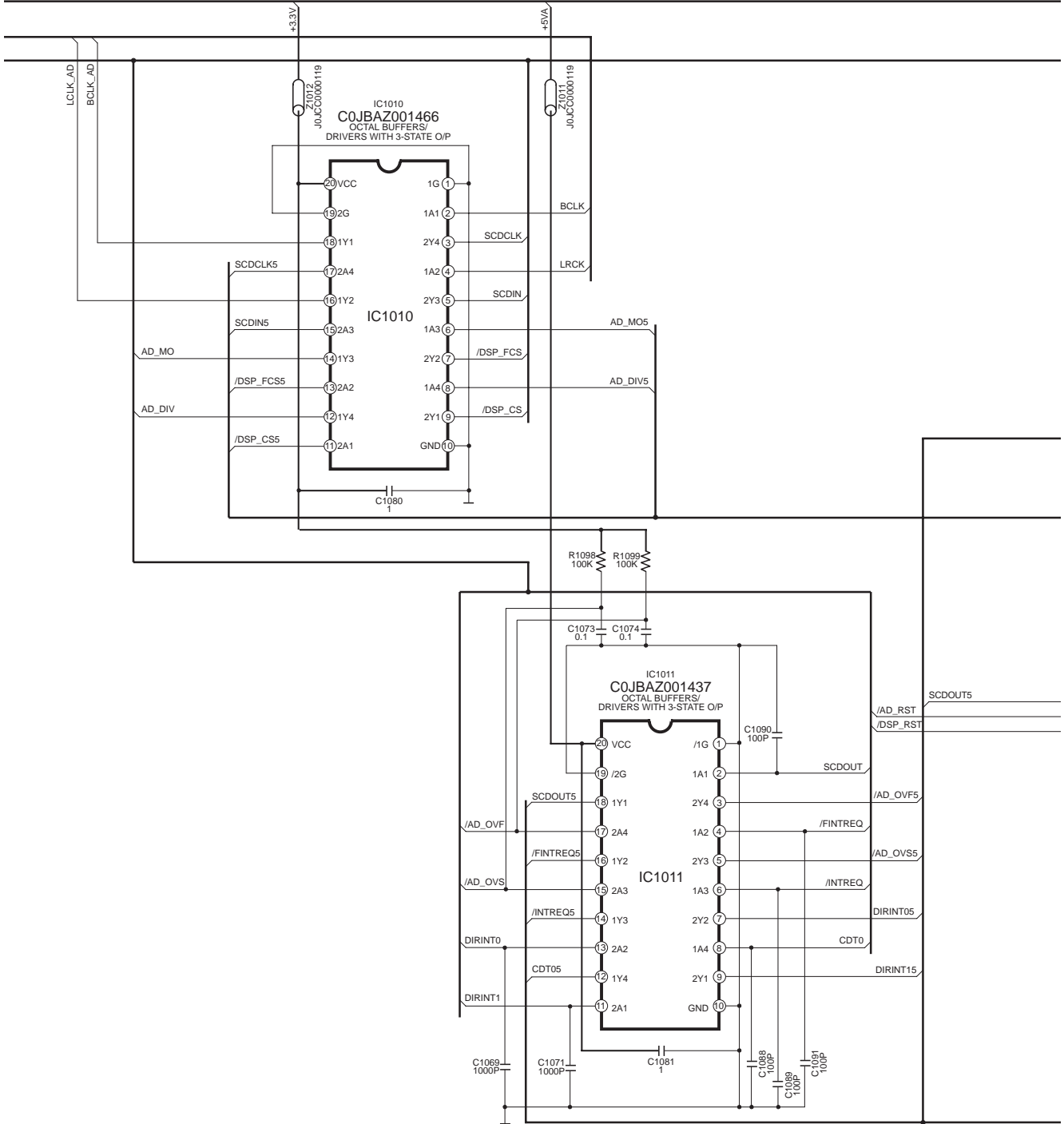
— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 6

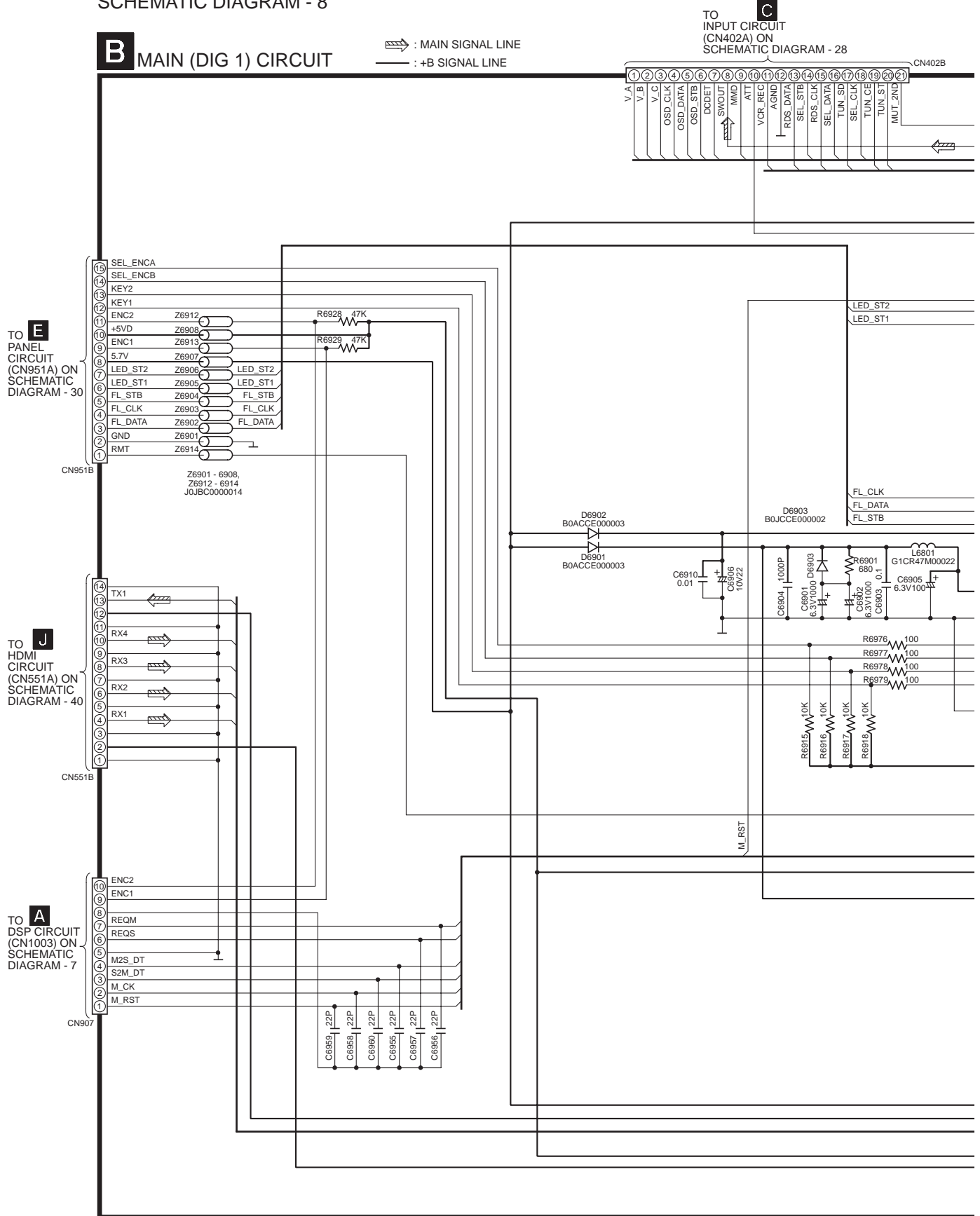
A DSP CIRCUIT

— : +B SIGNAL LINE



15.2. MAIN (DIG 1) CIRCUIT

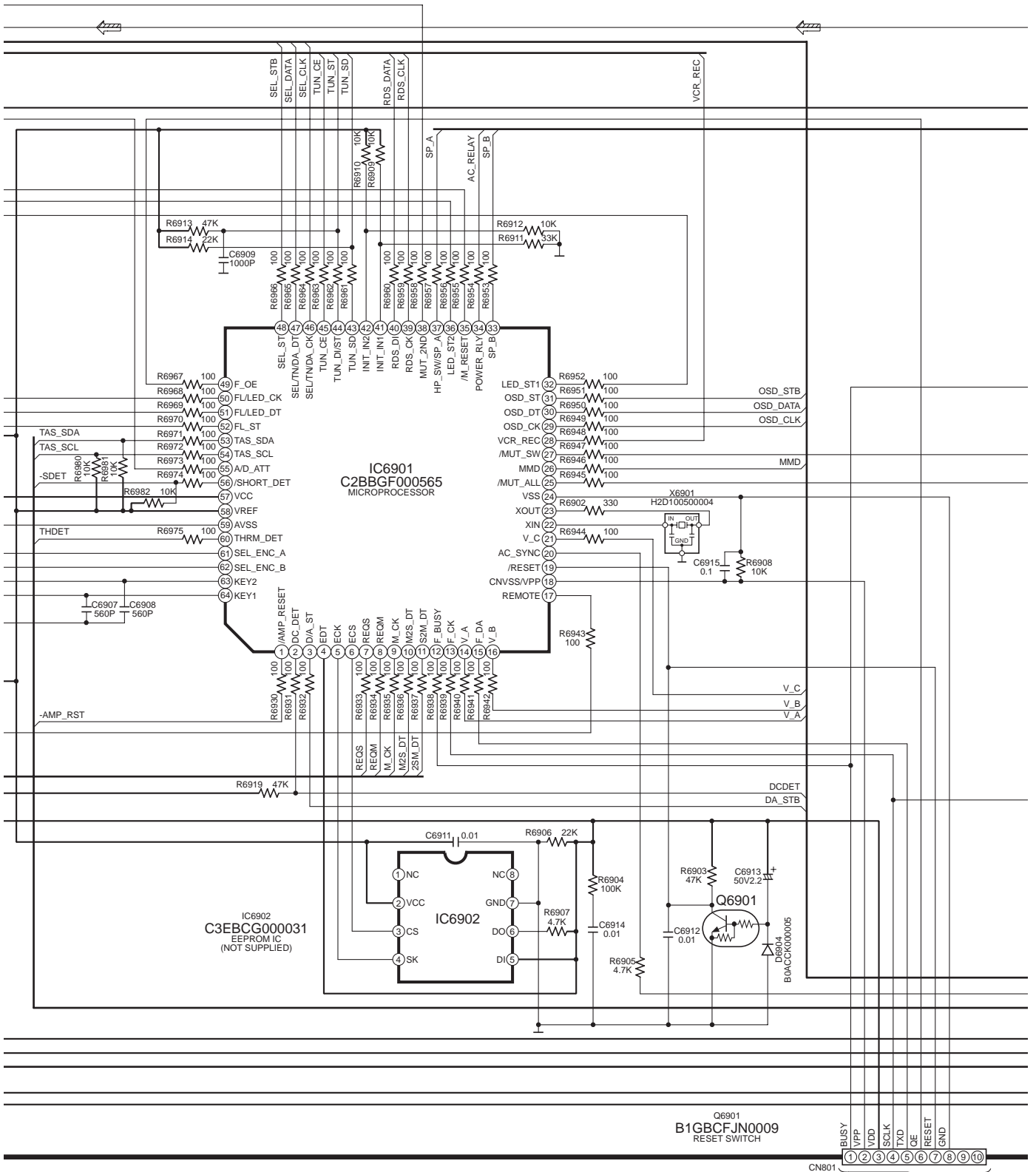
SCHEMATIC DIAGRAM - 8



SCHEMATIC DIAGRAM - 9

B MAIN (DIG 1) CIRCUIT

⇨ : MAIN SIGNAL LINE
 — : +B SIGNAL LINE

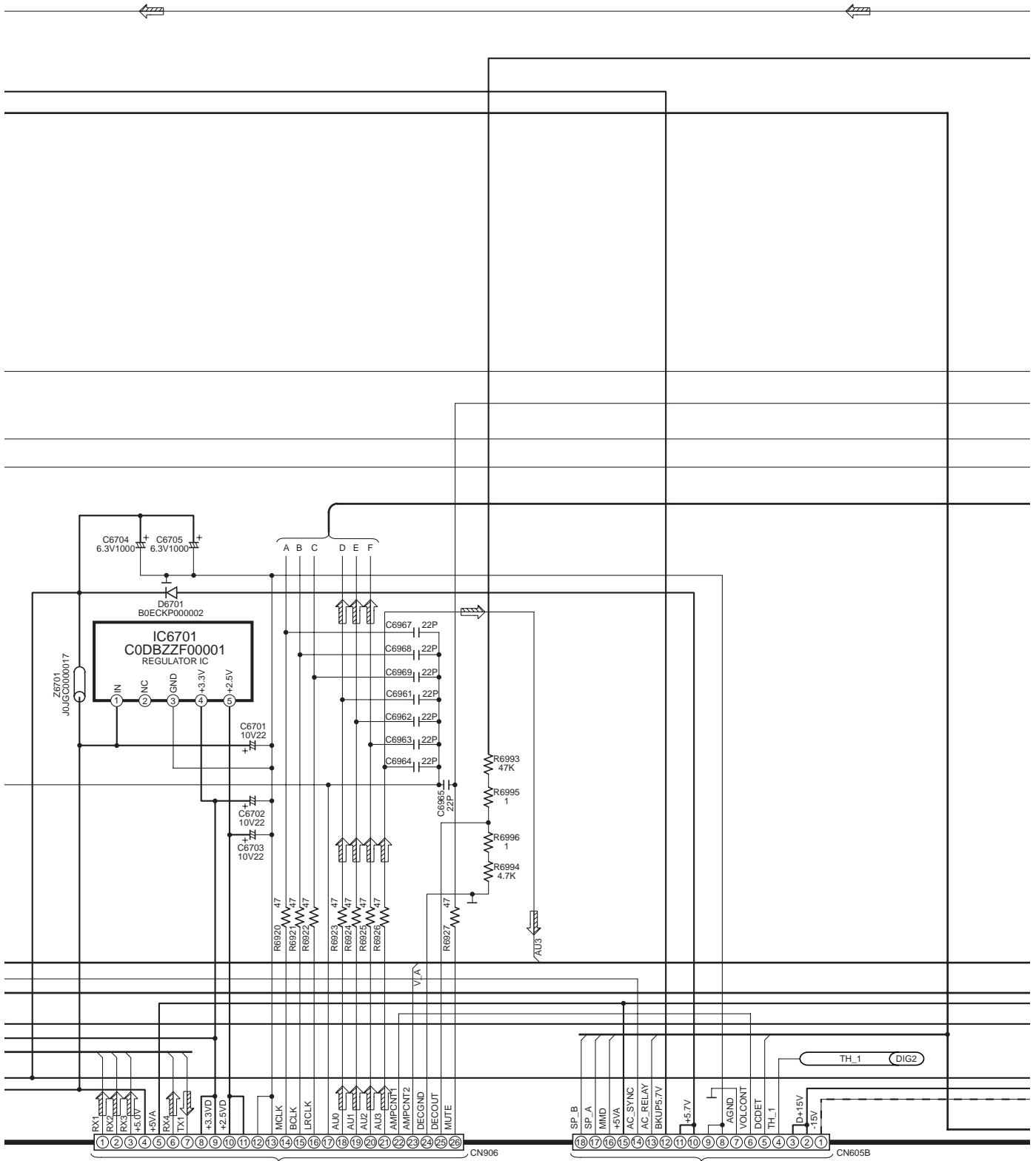


TO DSP CIRCUIT (CN1005) ON SCHEMATIC DIAGRAM - 7

SCHEMATIC DIAGRAM - 10

B MAIN (DIG 1) CIRCUIT

--- : -B SIGNAL LINE
 — : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



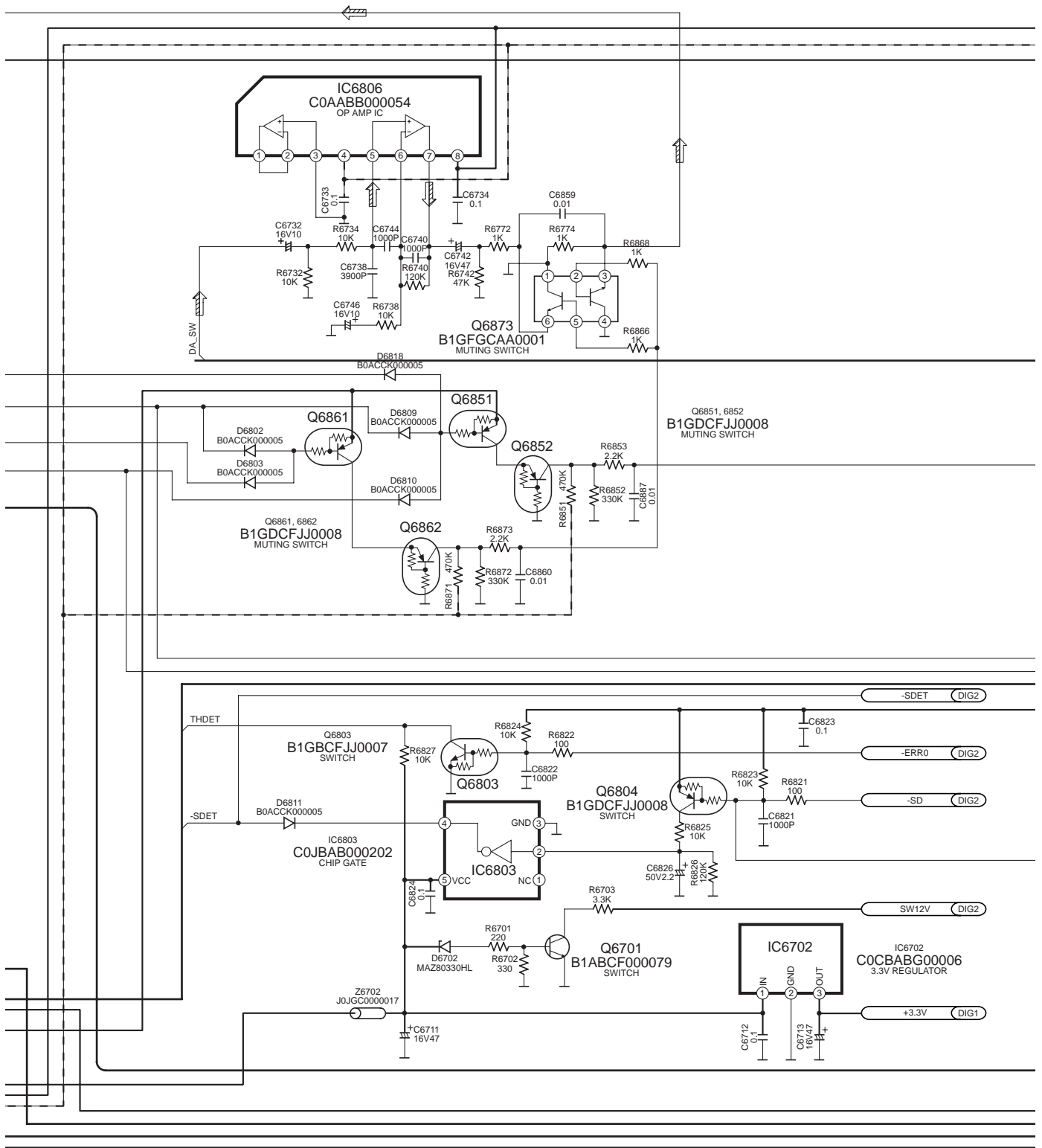
A
 TO DSP CIRCUIT (CN1002) ON SCHEMATIC DIAGRAM - 3

H
 TO POWER CIRCUIT (CN605A) ON SCHEMATIC DIAGRAM - 32

SCHEMATIC DIAGRAM - 11


B MAIN (DIG 1) CIRCUIT

--- : -B SIGNAL LINE
 — : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

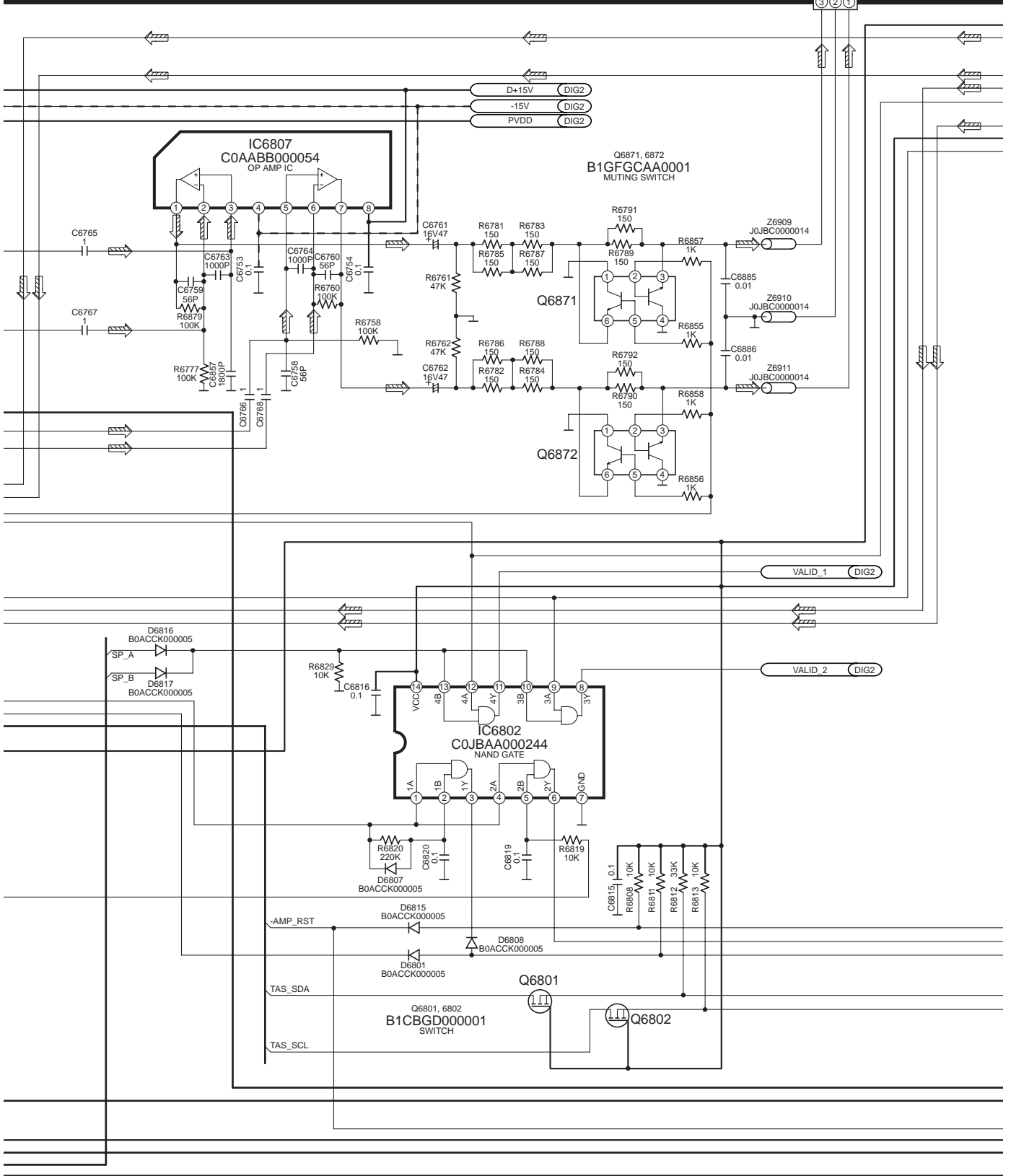


SCHEMATIC DIAGRAM - 13

B MAIN (DIG 1) CIRCUIT

--- : -B SIGNAL LINE
 — : +B SIGNAL LINE
 : MAIN SIGNAL LINE

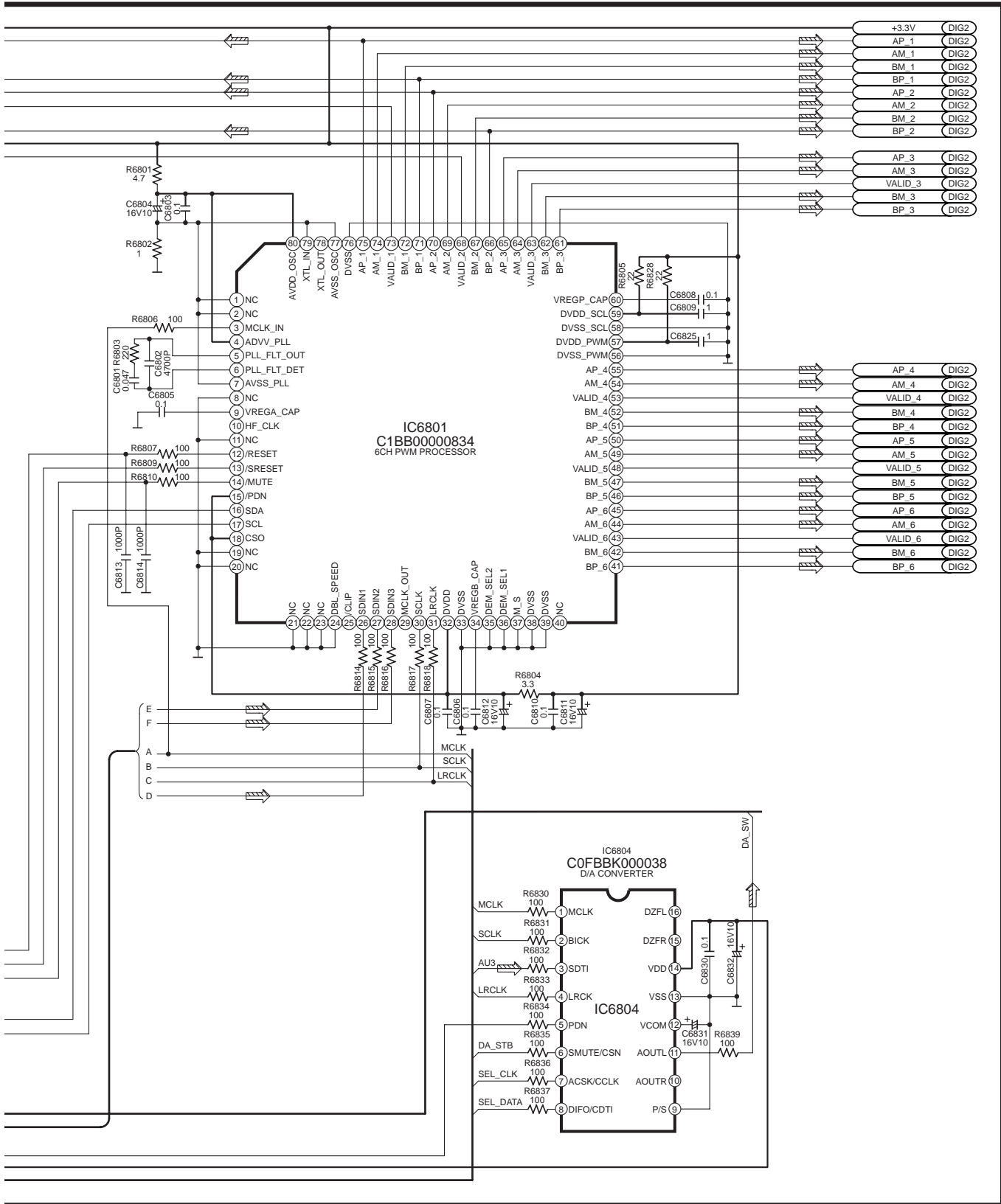
F
 TO HEADPHONE CIRCUIT
 (W603) ON
 SCHEMATIC DIAGRAM - 31
 CN603



SCHEMATIC DIAGRAM - 14

B MAIN (DIG 1) CIRCUIT



⇨ : MAIN SIGNAL LINE
 — : + B SIGNAL LINE

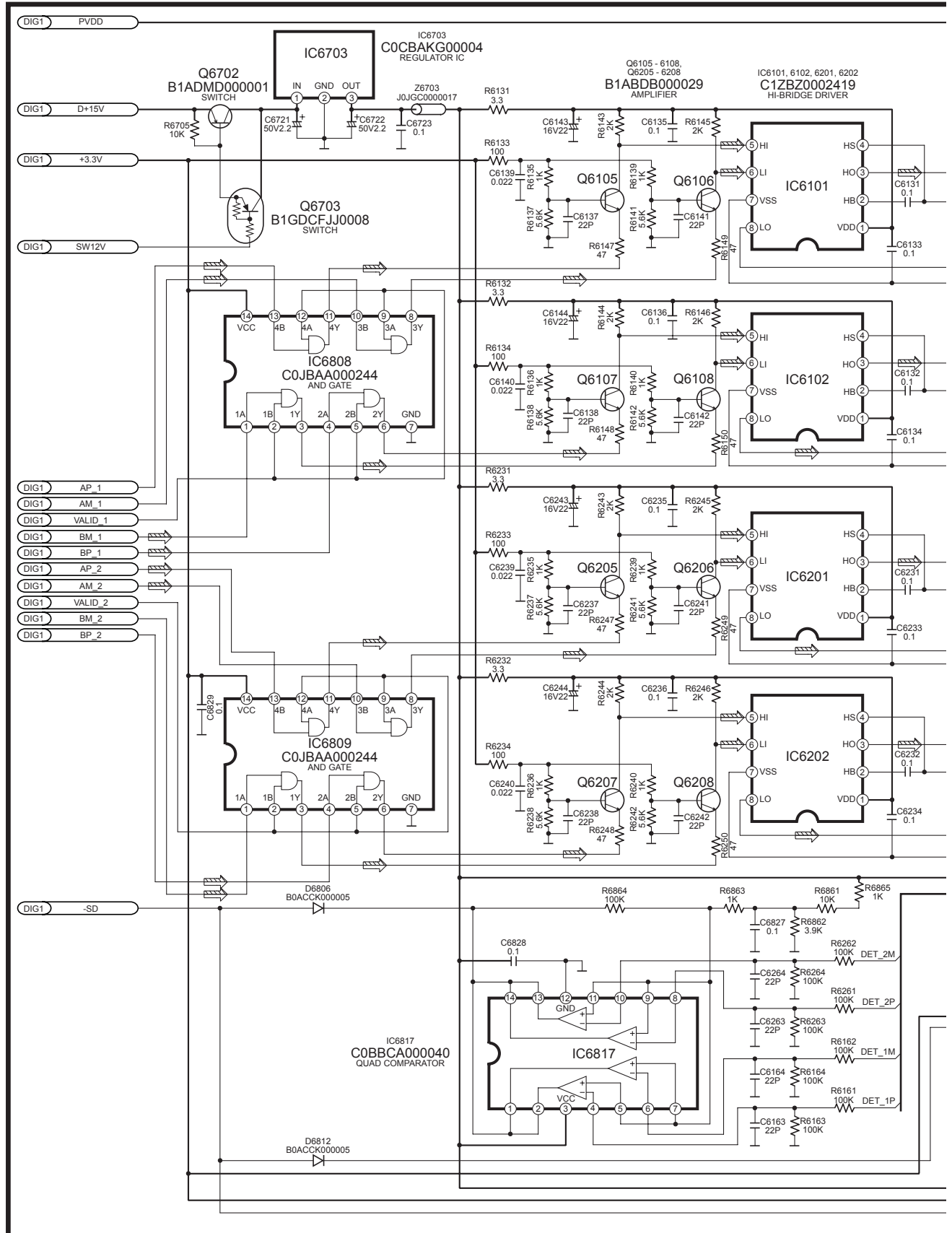


15.3. MAIN (DIG 2) CIRCUIT

SCHEMATIC DIAGRAM - 15

B MAIN (DIG 2) CIRCUIT

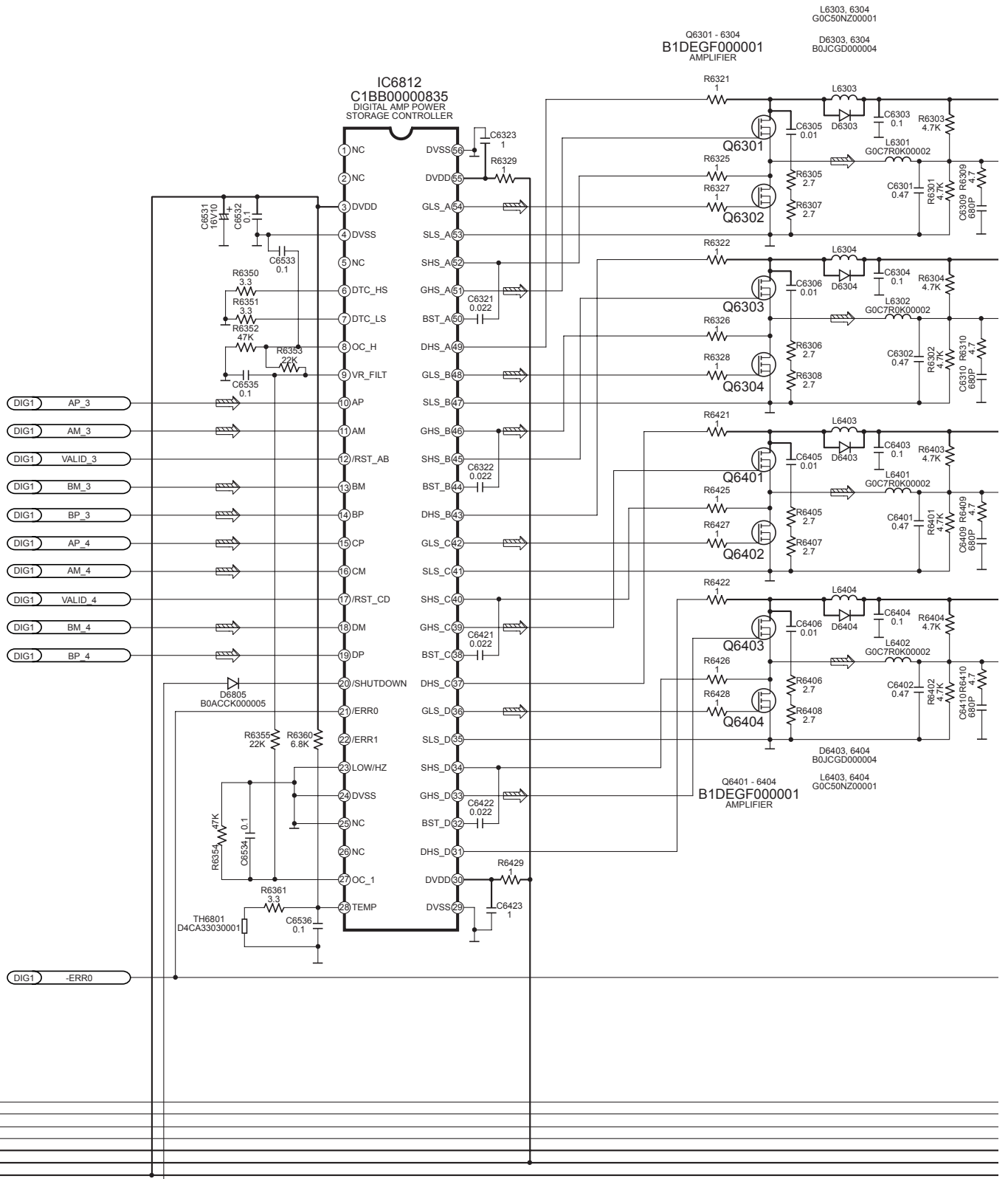
 : MAIN SIGNAL LINE
 : +B SIGNAL LINE



SCHEMATIC DIAGRAM - 17

B MAIN (DIG 2) CIRCUIT

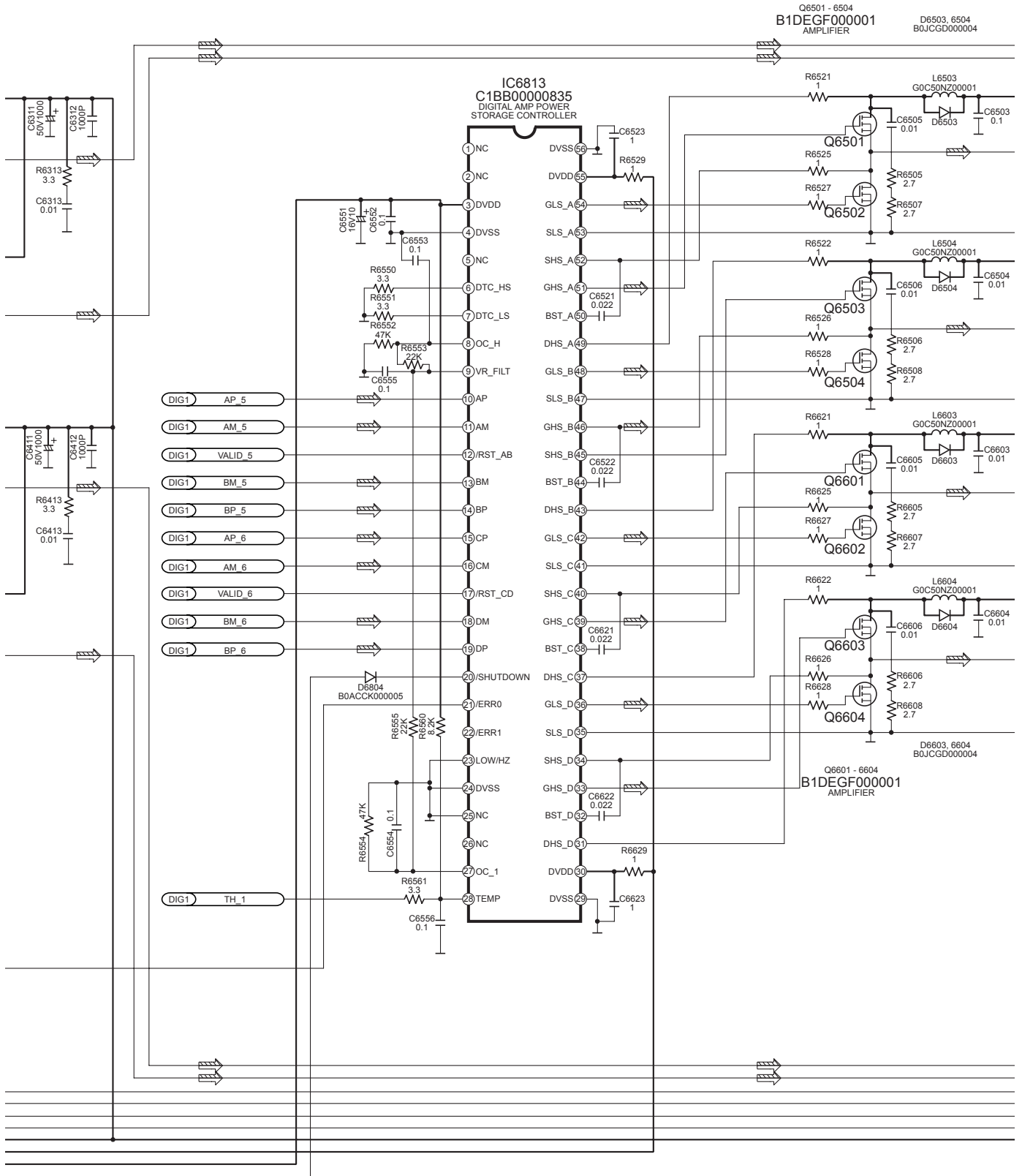
⇒ : MAIN SIGNAL LINE
 — : +B SIGNAL LINE



SCHEMATIC DIAGRAM - 18

B MAIN (DIG 2) CIRCUIT

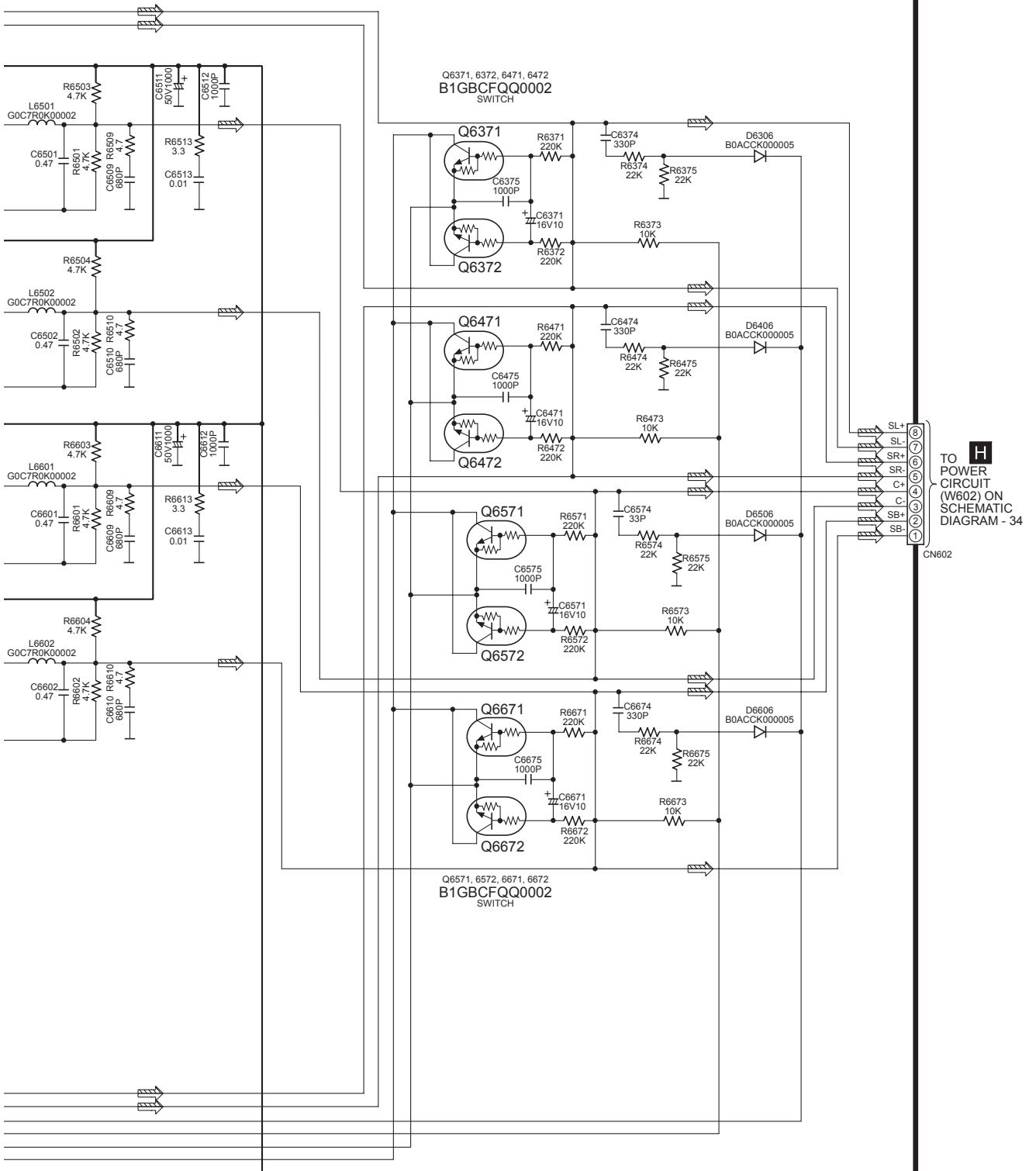
⇨ : MAIN SIGNAL LINE
 — : +B SIGNAL LINE



SCHEMATIC DIAGRAM - 19

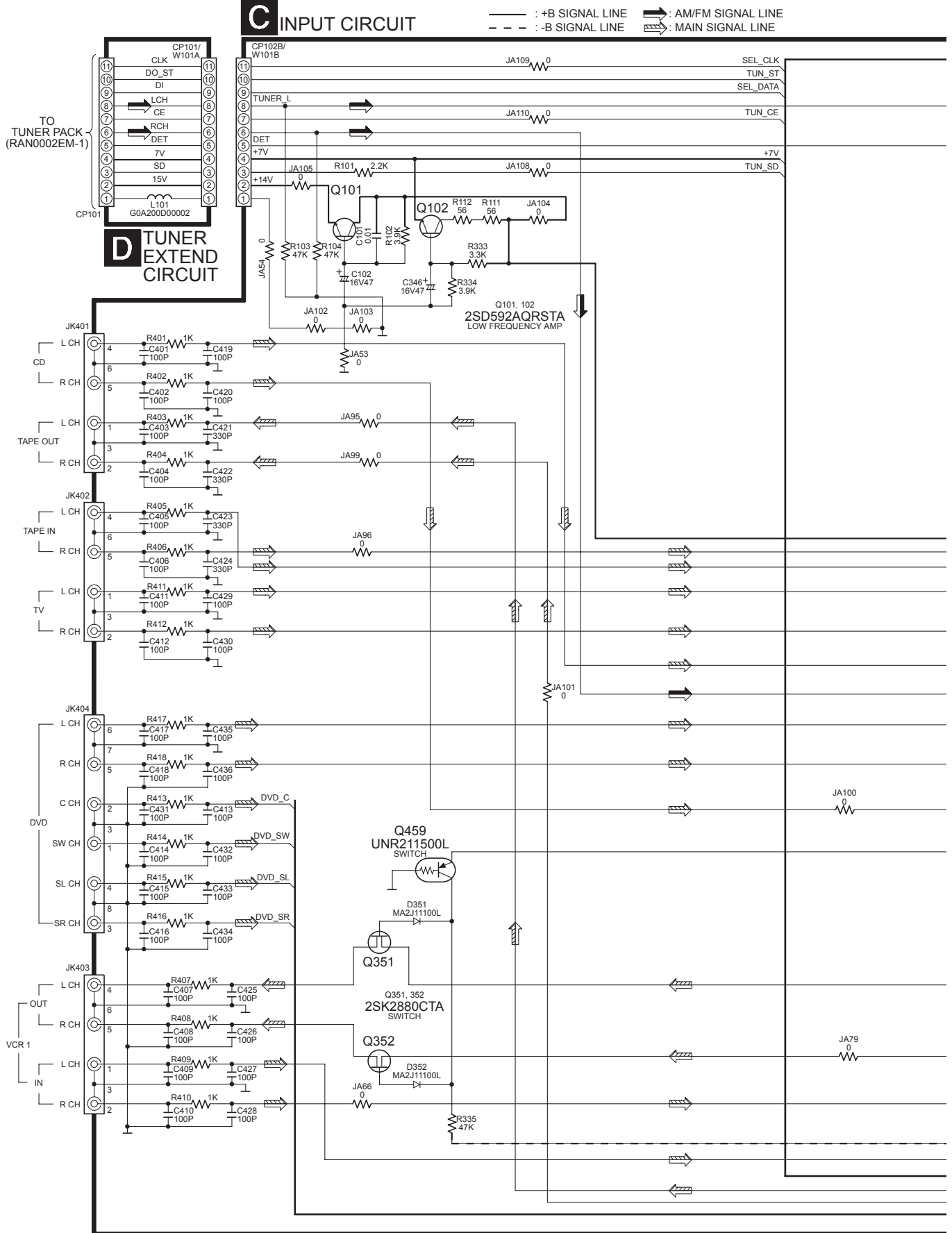
B MAIN (DIG 2) CIRCUIT

⇨ : MAIN SIGNAL LINE
 — : +B SIGNAL LINE



15.4. INPUT CIRCUIT and TUNER EXTEND CIRCUIT

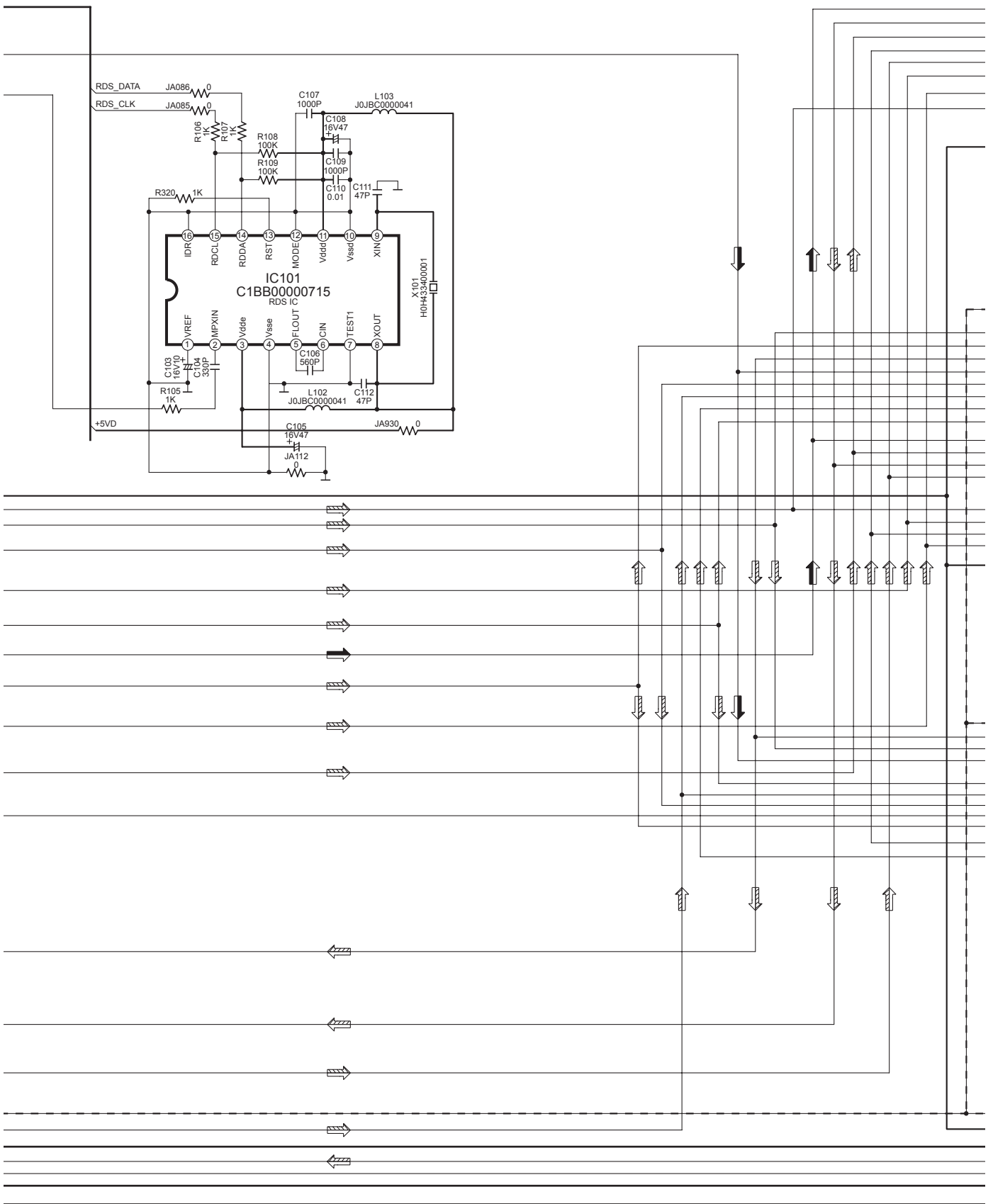
SCHEMATIC DIAGRAM - 20



SCHEMATIC DIAGRAM - 21

C INPUT CIRCUIT

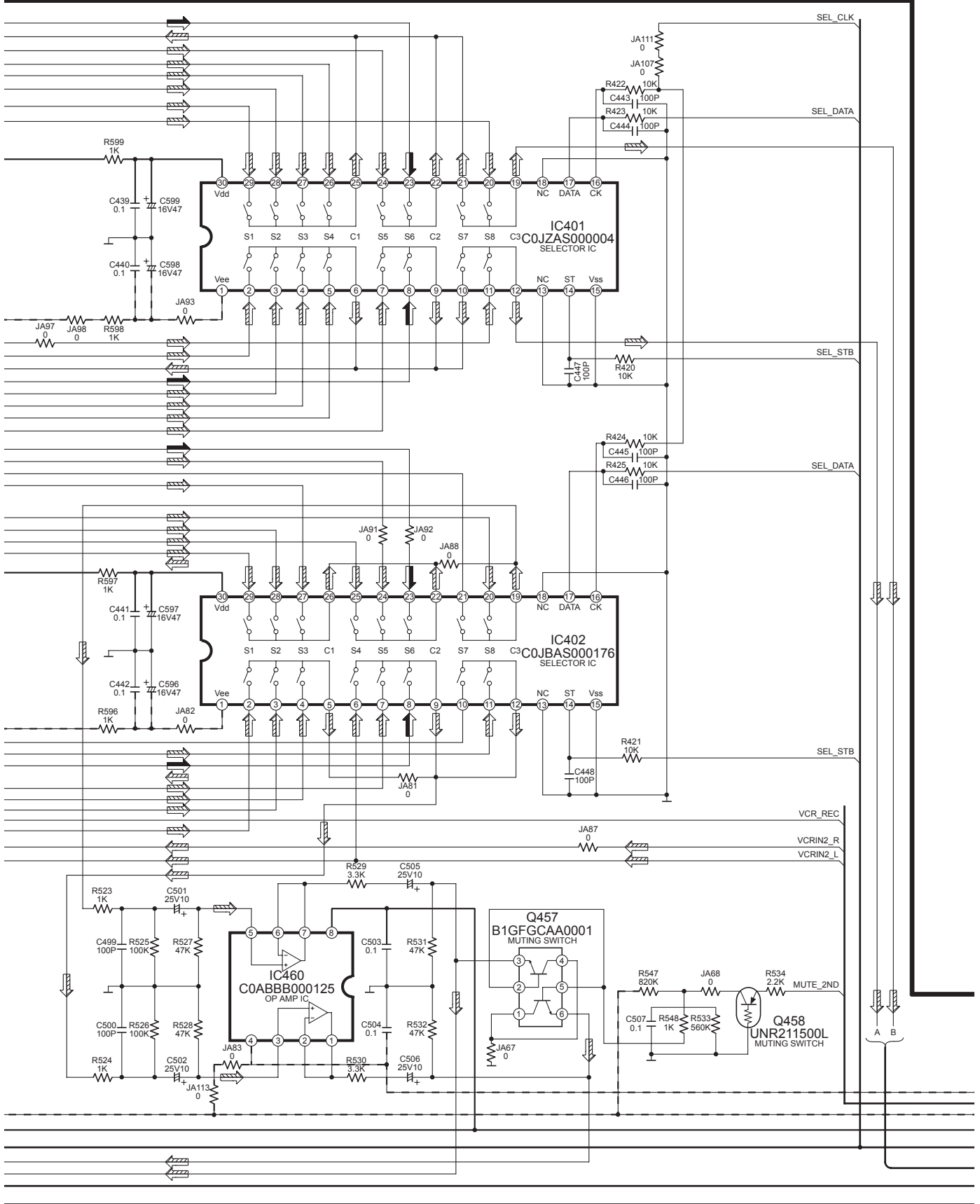
— : +B SIGNAL LINE : AM/FM SIGNAL LINE
 - - - : -B SIGNAL LINE : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 22

C INPUT CIRCUIT

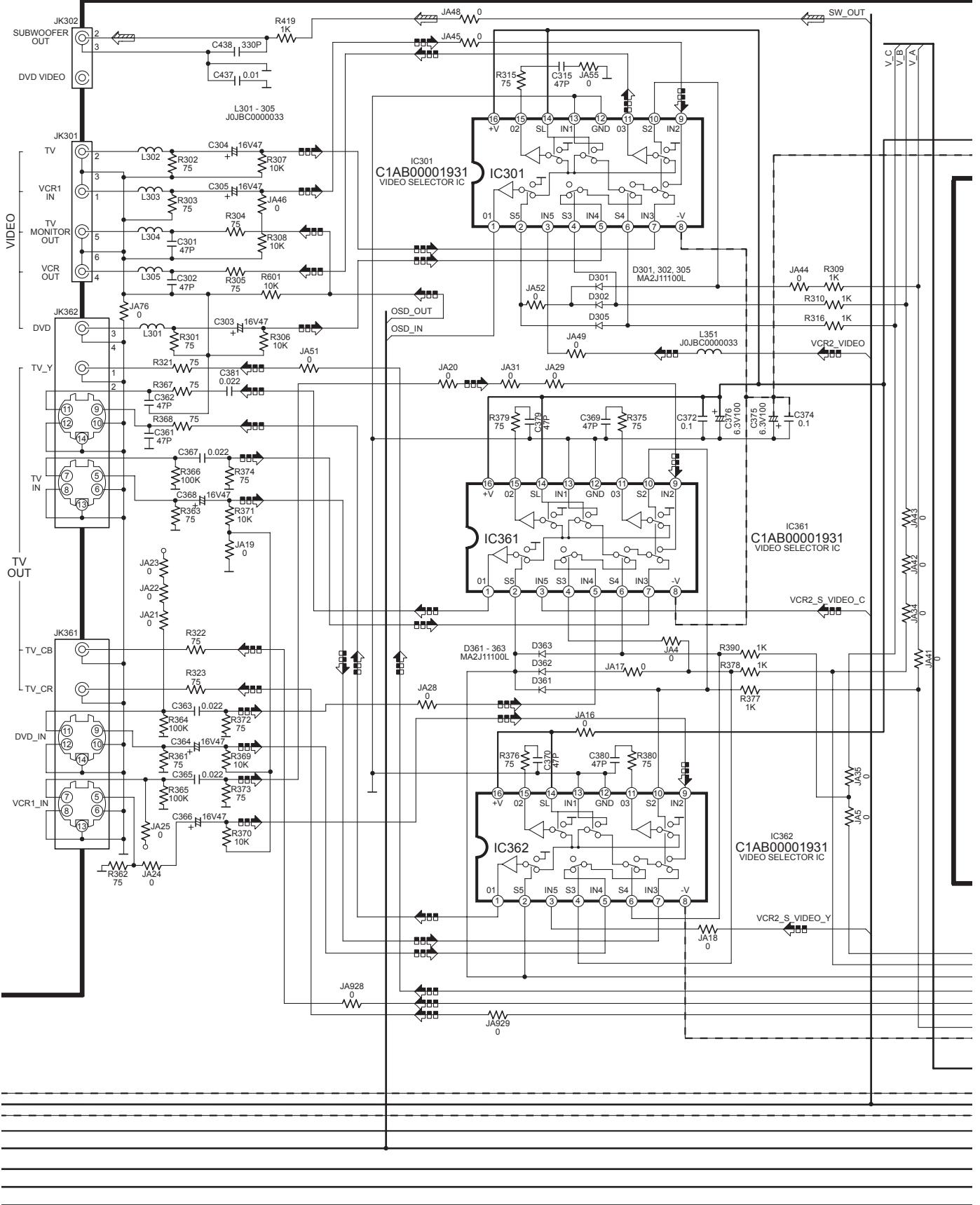
— : +B SIGNAL LINE : AM/FM SIGNAL LINE
 - - - : -B SIGNAL LINE : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 23

C INPUT CIRCUIT

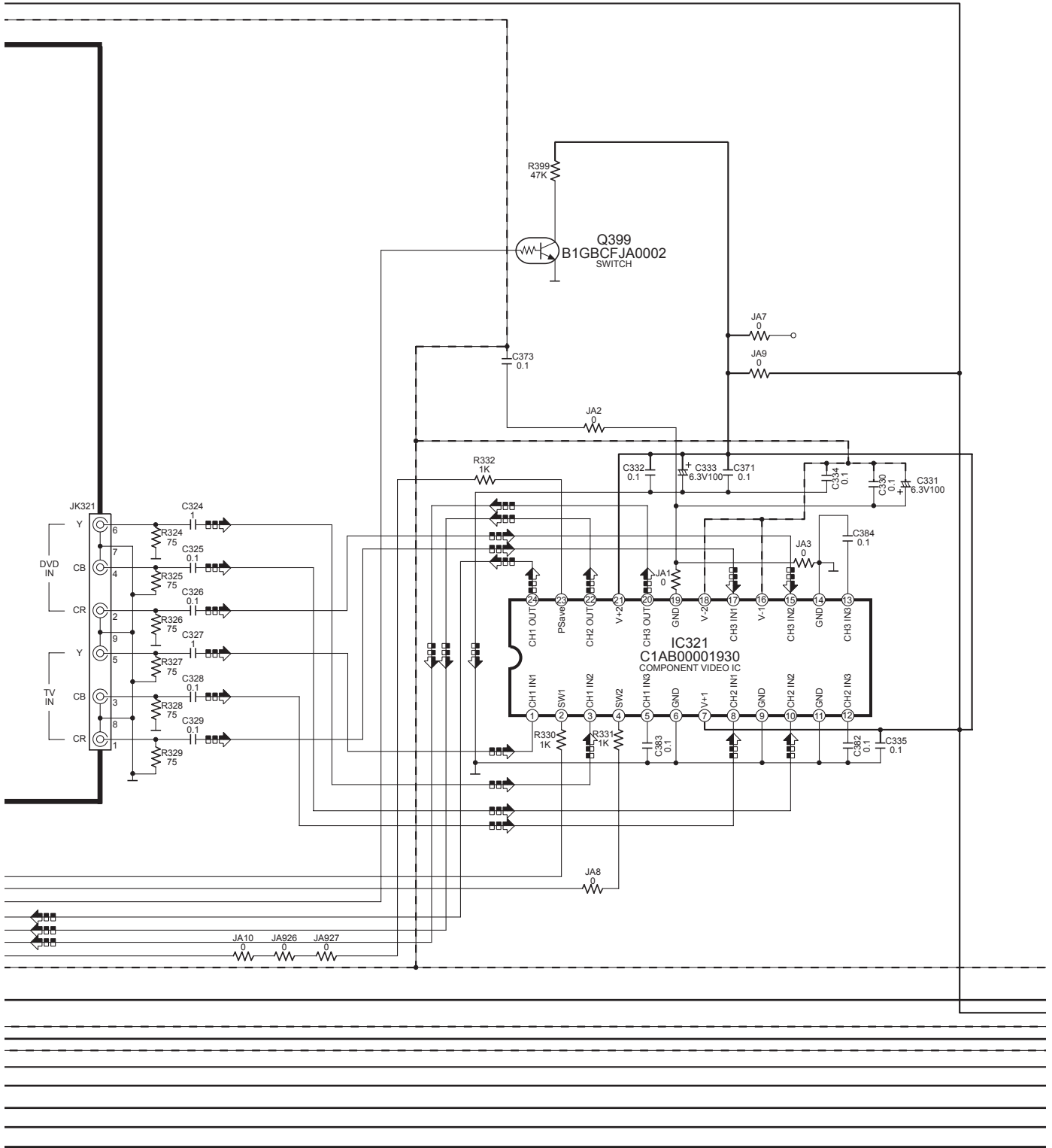
— : +B SIGNAL LINE  : VIDEO SIGNAL LINE
 - - - : -B SIGNAL LINE  : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 24

C INPUT CIRCUIT

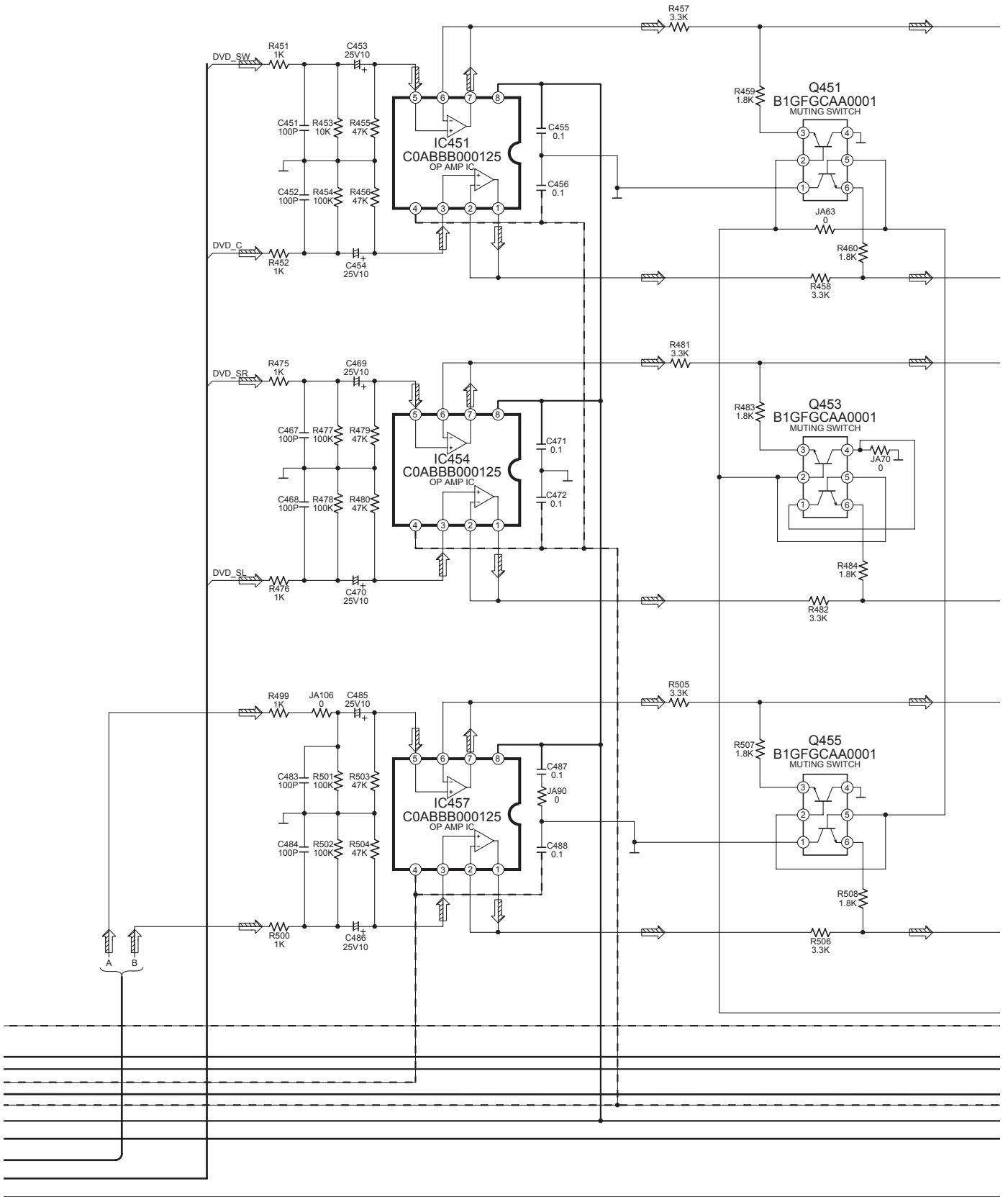
— : +B SIGNAL LINE
 - - - : -B SIGNAL LINE
 : VIDEO SIGNAL LINE



SCHEMATIC DIAGRAM - 25

C INPUT CIRCUIT

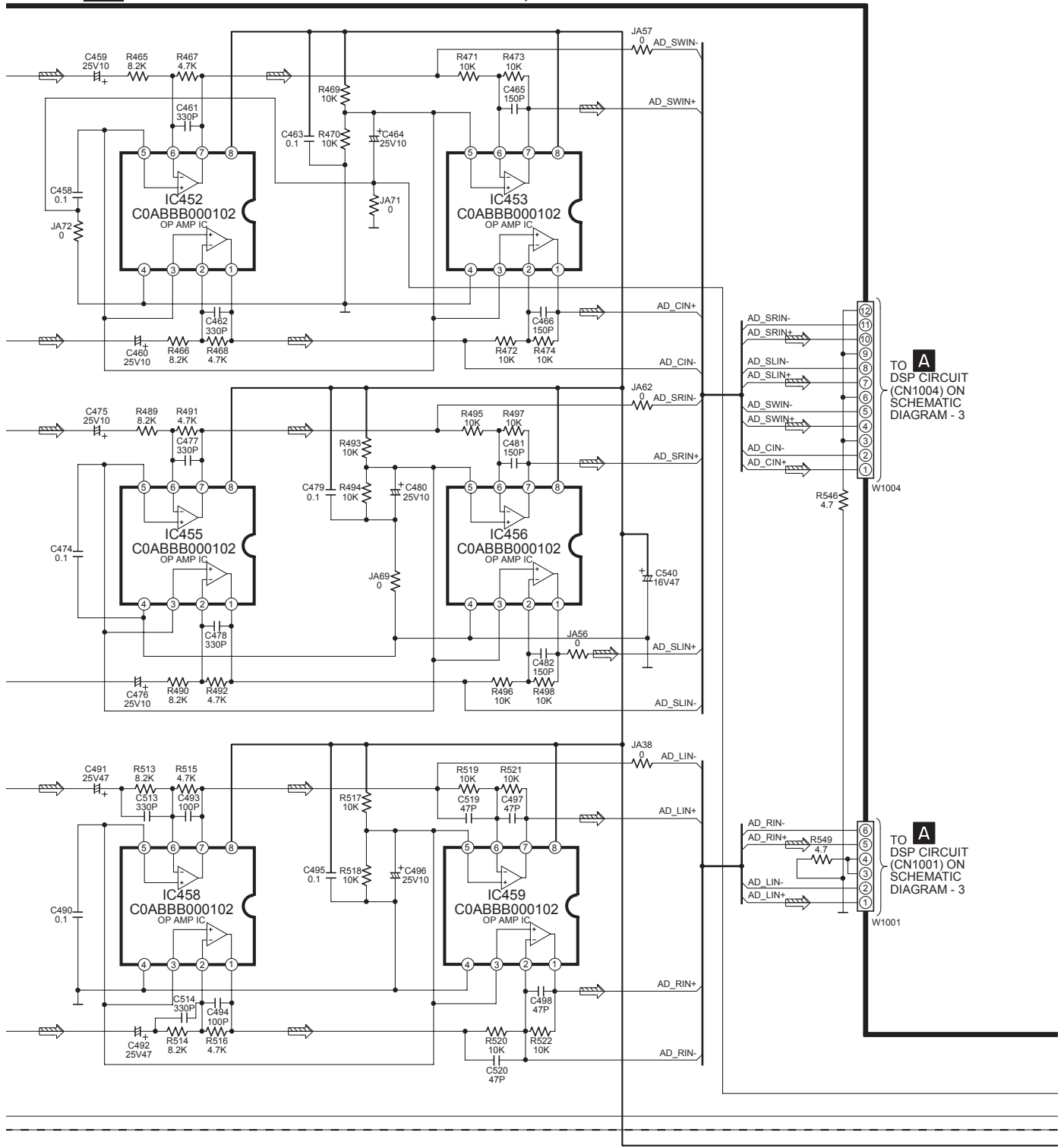
— : +B SIGNAL LINE
 - - - : -B SIGNAL LINE
 : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 26

C INPUT CIRCUIT

— : +B SIGNAL LINE
 - - - : -B SIGNAL LINE
 : MAIN SIGNAL LINE



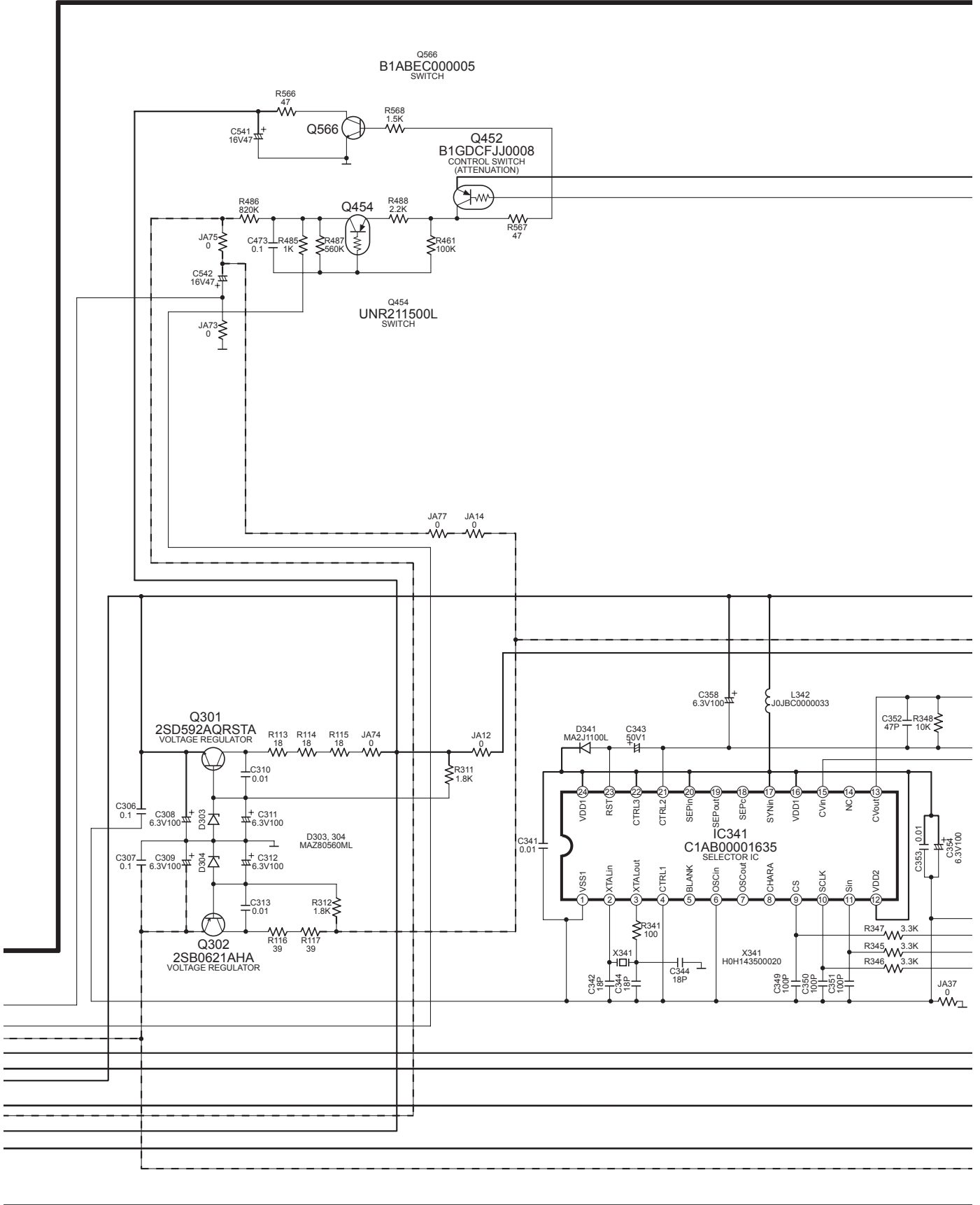
TO **A** DSP CIRCUIT (CN1004) ON SCHEMATIC DIAGRAM - 3

TO **A** DSP CIRCUIT (CN1001) ON SCHEMATIC DIAGRAM - 3

SCHEMATIC DIAGRAM - 27

C INPUT CIRCUIT

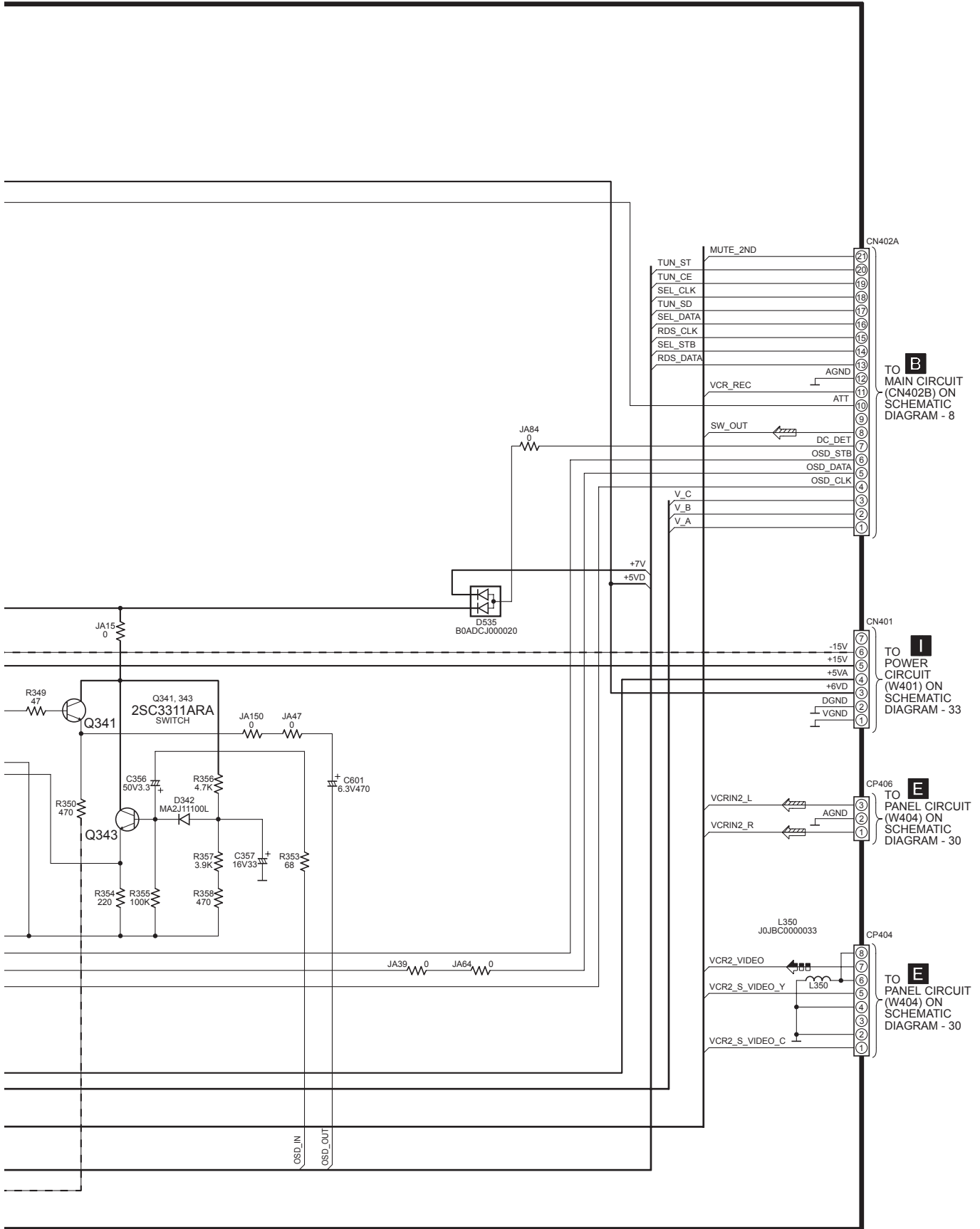
— : +B SIGNAL LINE
 - - - : -B SIGNAL LINE



SCHEMATIC DIAGRAM - 28

C INPUT CIRCUIT

— : +B SIGNAL LINE  : VIDEO SIGNAL LINE
 - - - : -B SIGNAL LINE  : MAIN SIGNAL LINE



B
 TO MAIN CIRCUIT
 (CN402B) ON
 SCHEMATIC
 DIAGRAM - 8

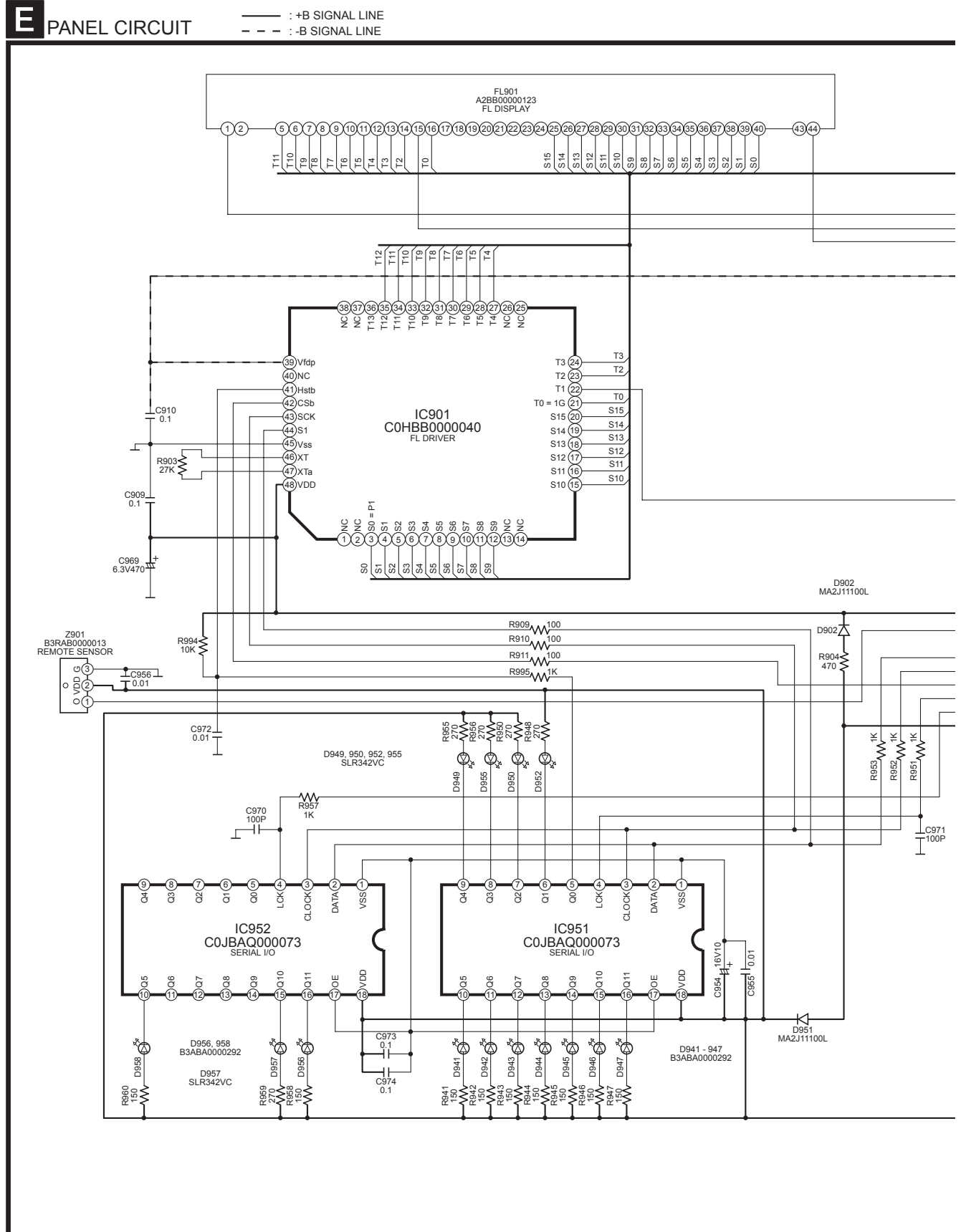
I
 TO POWER
 CIRCUIT
 (W401) ON
 SCHEMATIC
 DIAGRAM - 33

E
 TO PANEL CIRCUIT
 (W404) ON
 SCHEMATIC
 DIAGRAM - 30

E
 TO PANEL CIRCUIT
 (W404) ON
 SCHEMATIC
 DIAGRAM - 30

15.5. PANEL CIRCUIT

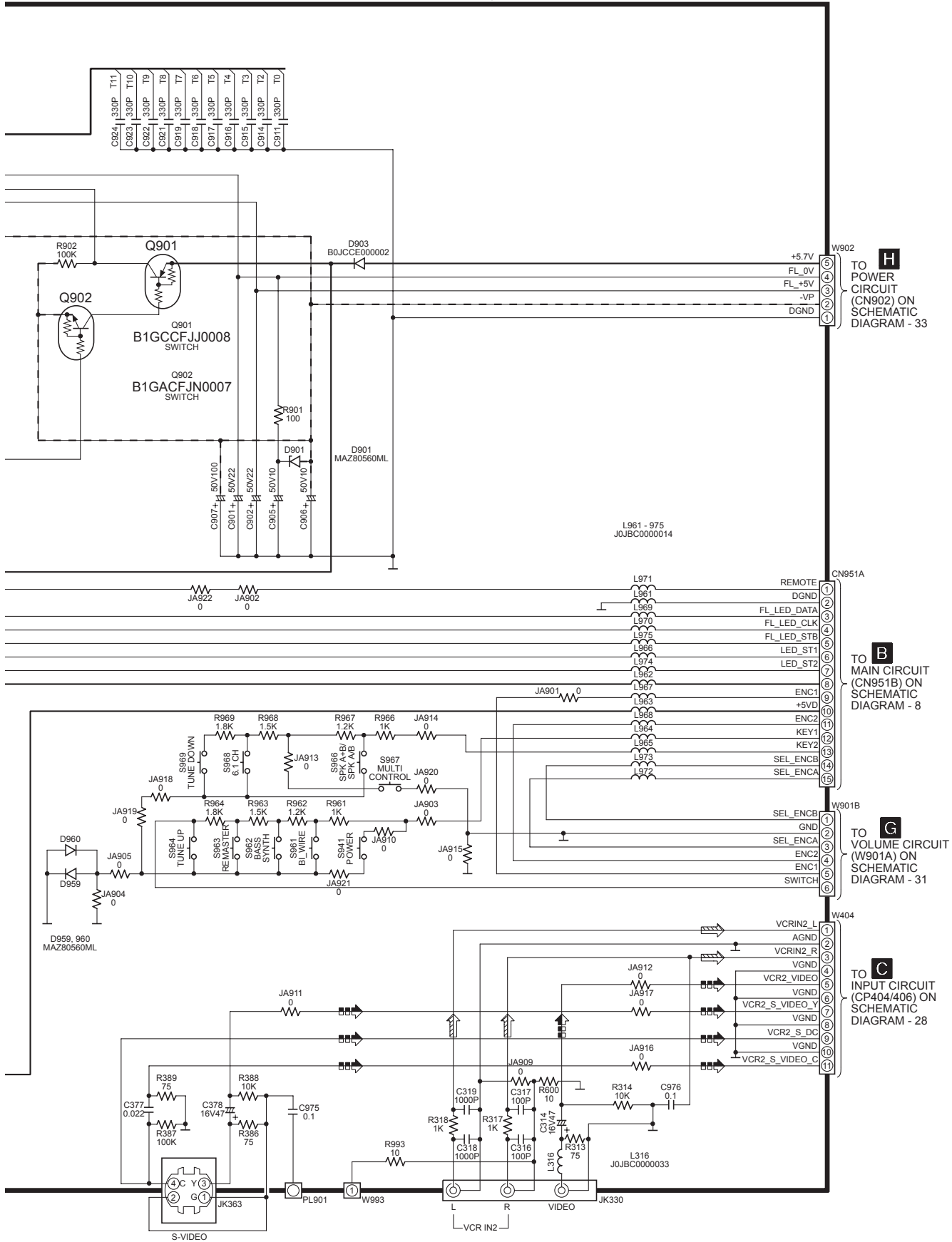
SCHEMATIC DIAGRAM - 29



SCHEMATIC DIAGRAM - 30

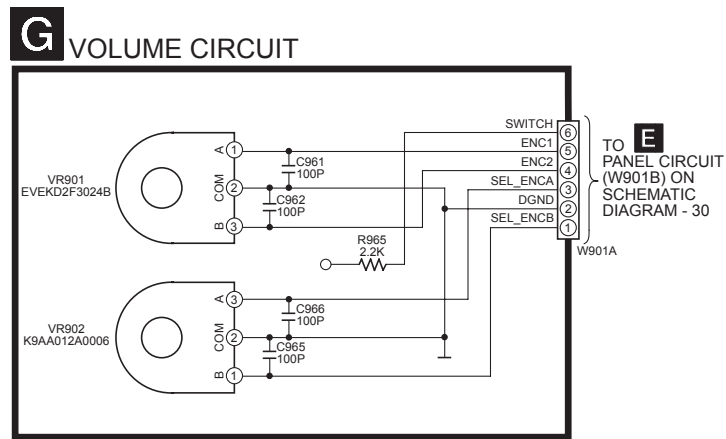
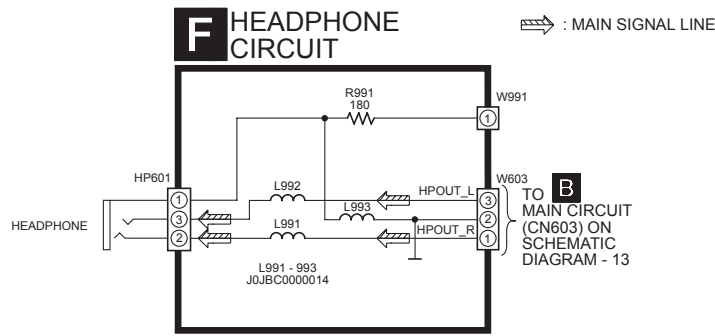
E PANEL CIRCUIT

— : +B SIGNAL LINE  : VIDEO SIGNAL LINE
 - - - : -B SIGNAL LINE  : MAIN SIGNAL LINE



15.6. HEADPHONE CIRCUIT and VOLUME CIRCUIT

SCHEMATIC DIAGRAM - 31



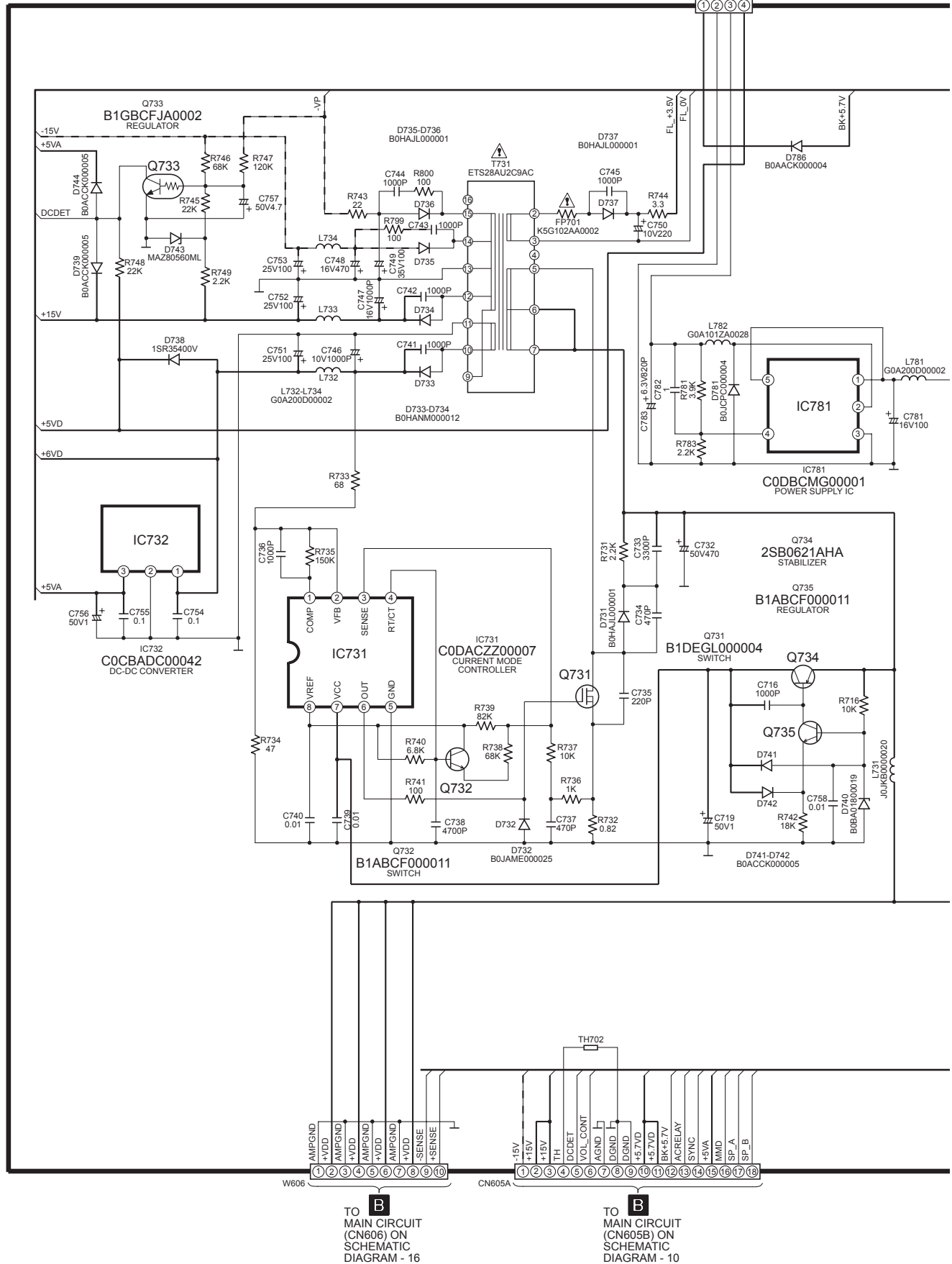
15.7. POWER CIRCUIT and SPEAKER B TERMINAL CIRCUIT

SCHEMATIC DIAGRAM - 32

H POWER CIRCUIT

-- : -B Signal line
 — : +B Signal line

TO **J** HDMI CIRCUIT (CN781) ON SCHEMATIC DIAGRAM - 39

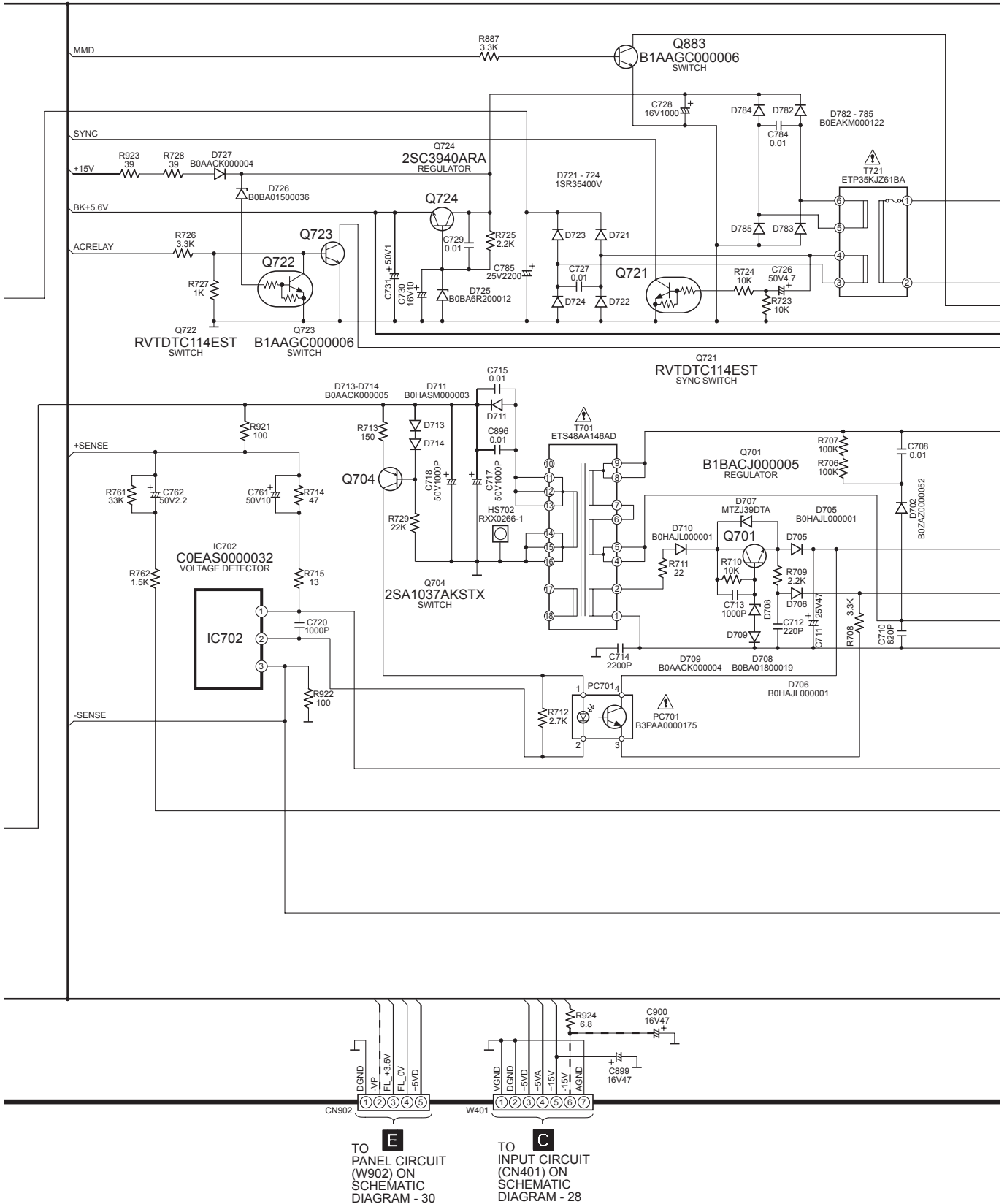


SCHEMATIC DIAGRAM - 33

H POWER CIRCUIT

-- : -B Signal line

— : +B Signal line

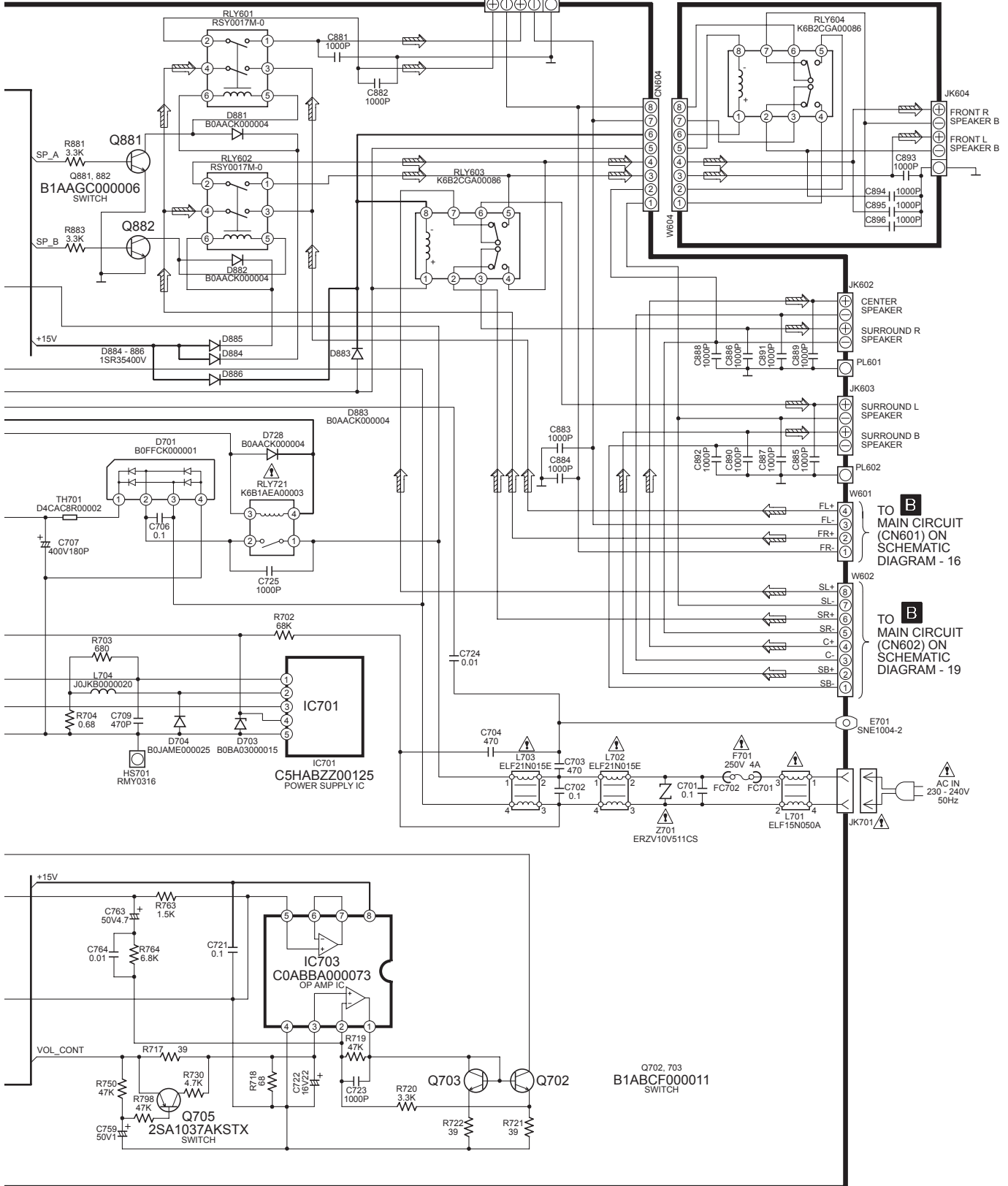


SCHEMATIC DIAGRAM - 34

H POWER CIRCUIT

⇒ : Main Signal line
 — : +B Signal line

I SPEAKER B TERMINAL CIRCUIT

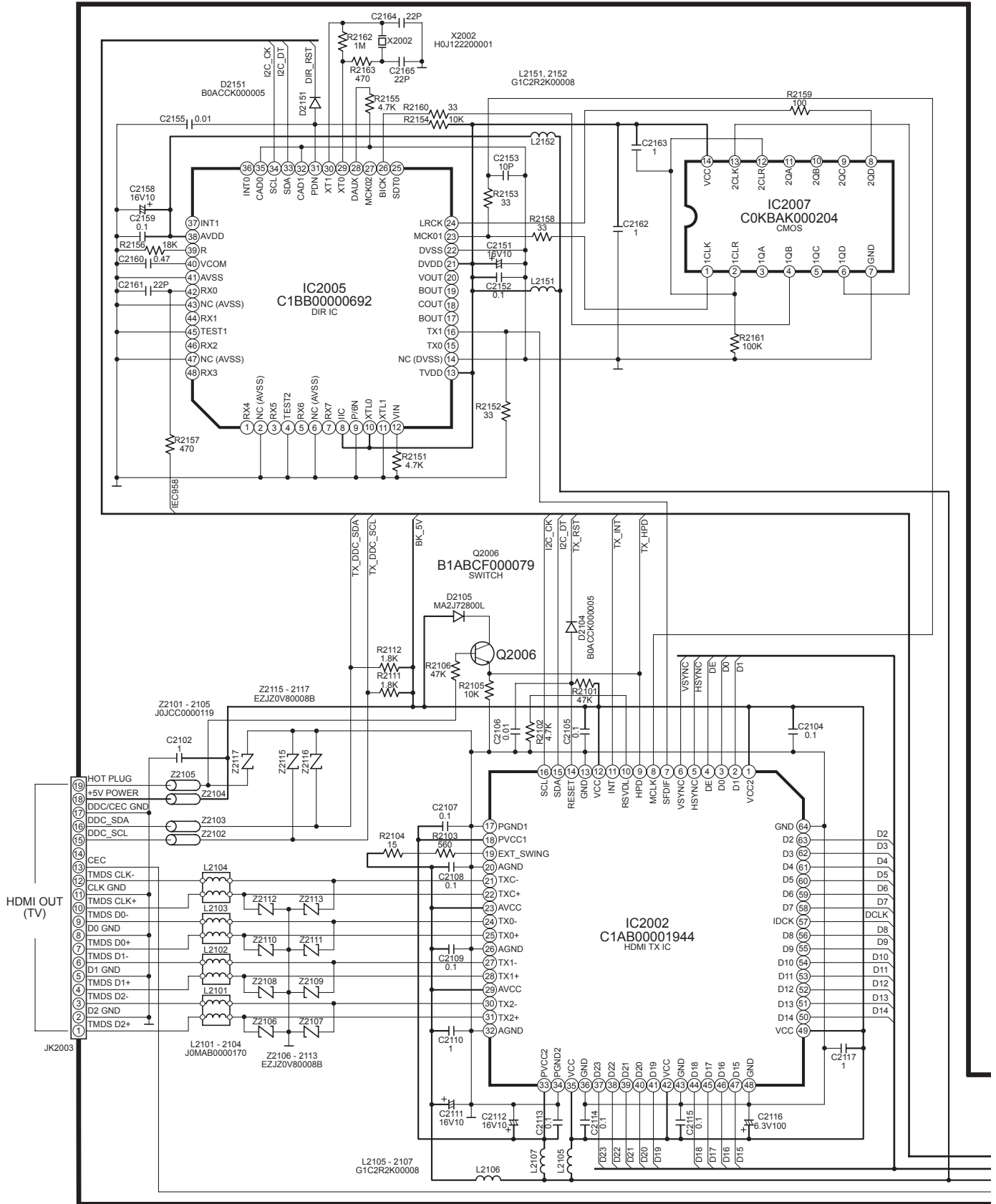


15.8. HDMI CIRCUIT

SCHEMATIC DIAGRAM - 35

J HDMI CIRCUIT

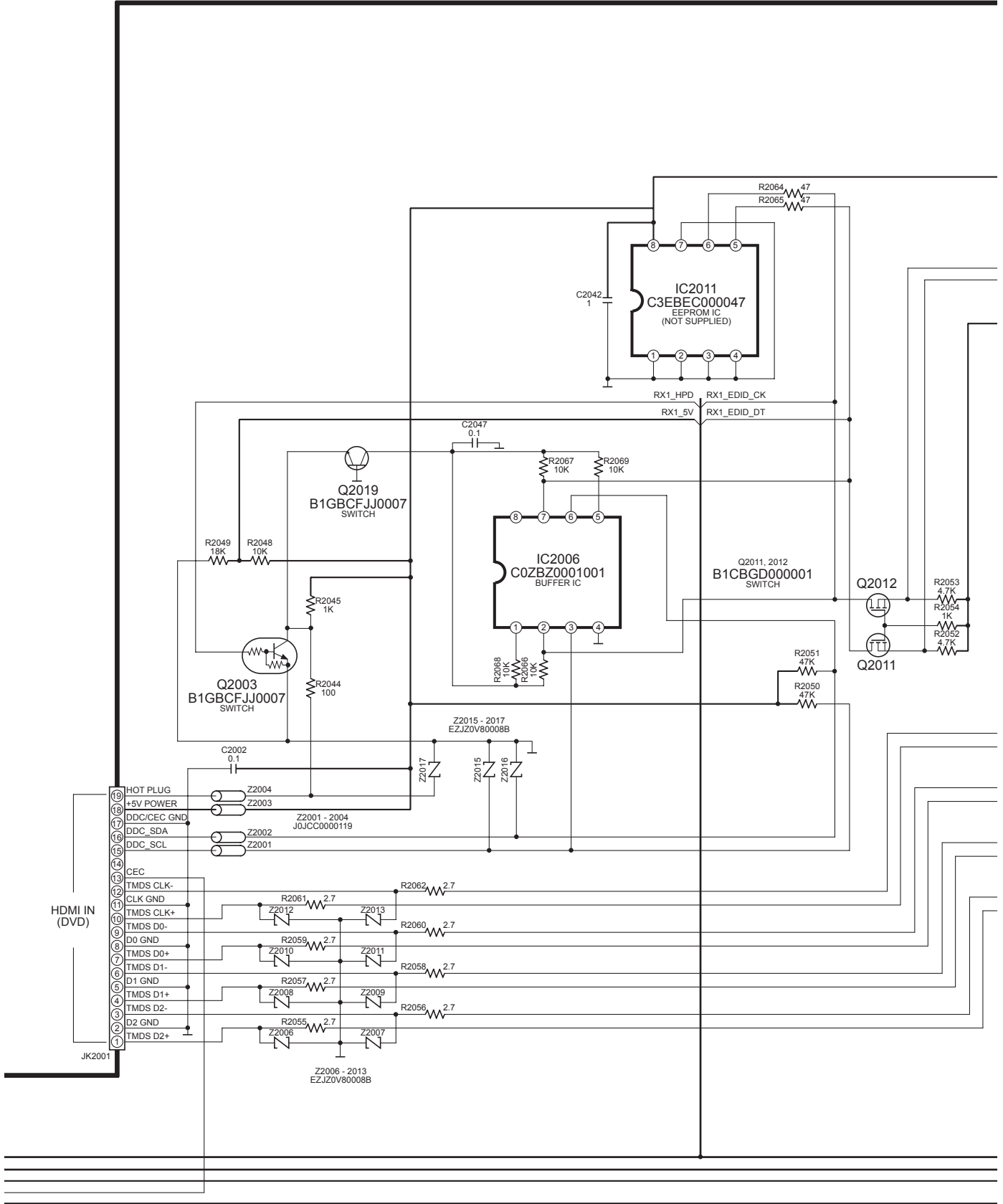
— : +B SIGNAL LINE



SCHEMATIC DIAGRAM - 36

J HDMI CIRCUIT

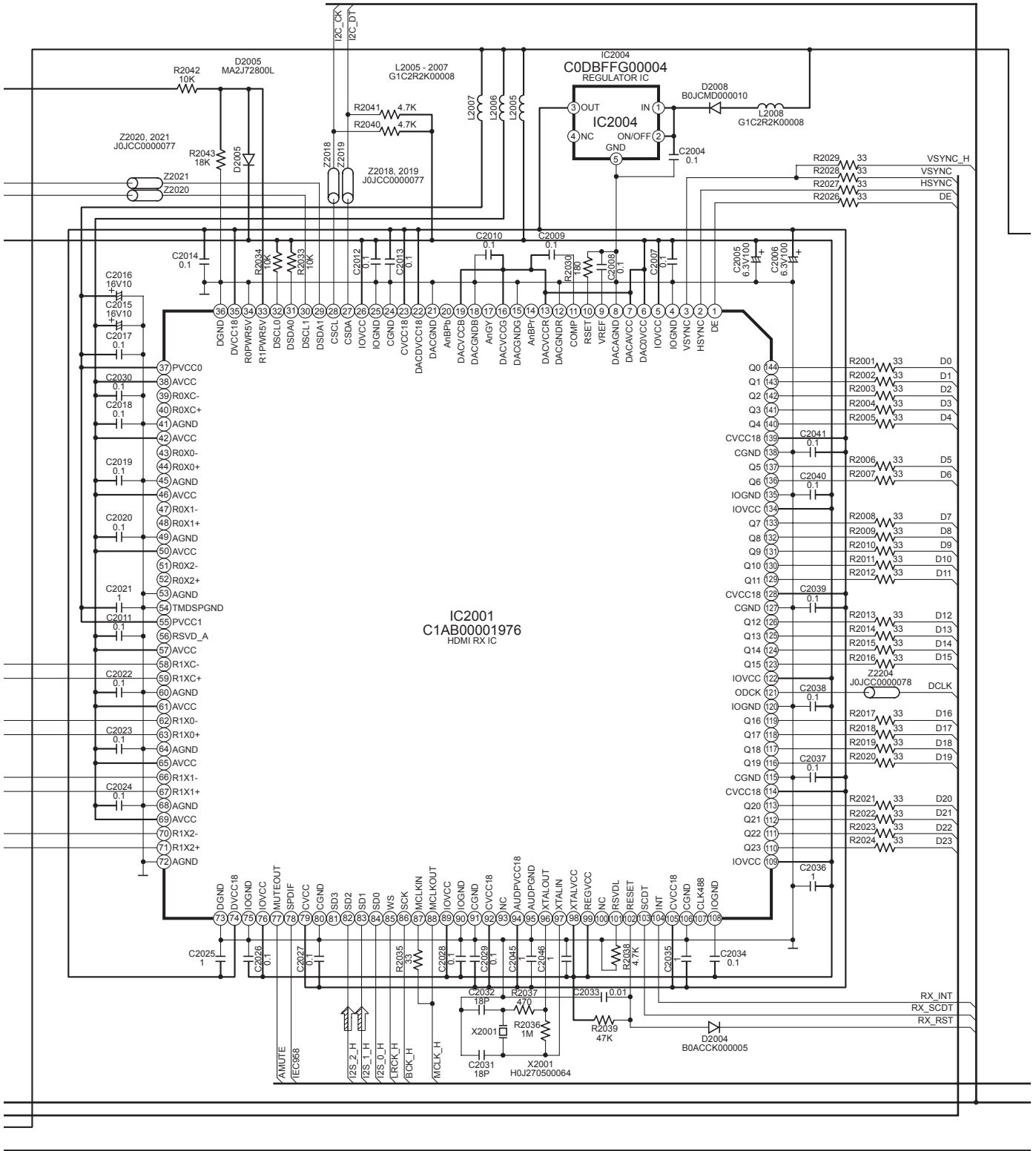
— : +B SIGNAL LINE



SCHEMATIC DIAGRAM - 37

J HDMI CIRCUIT

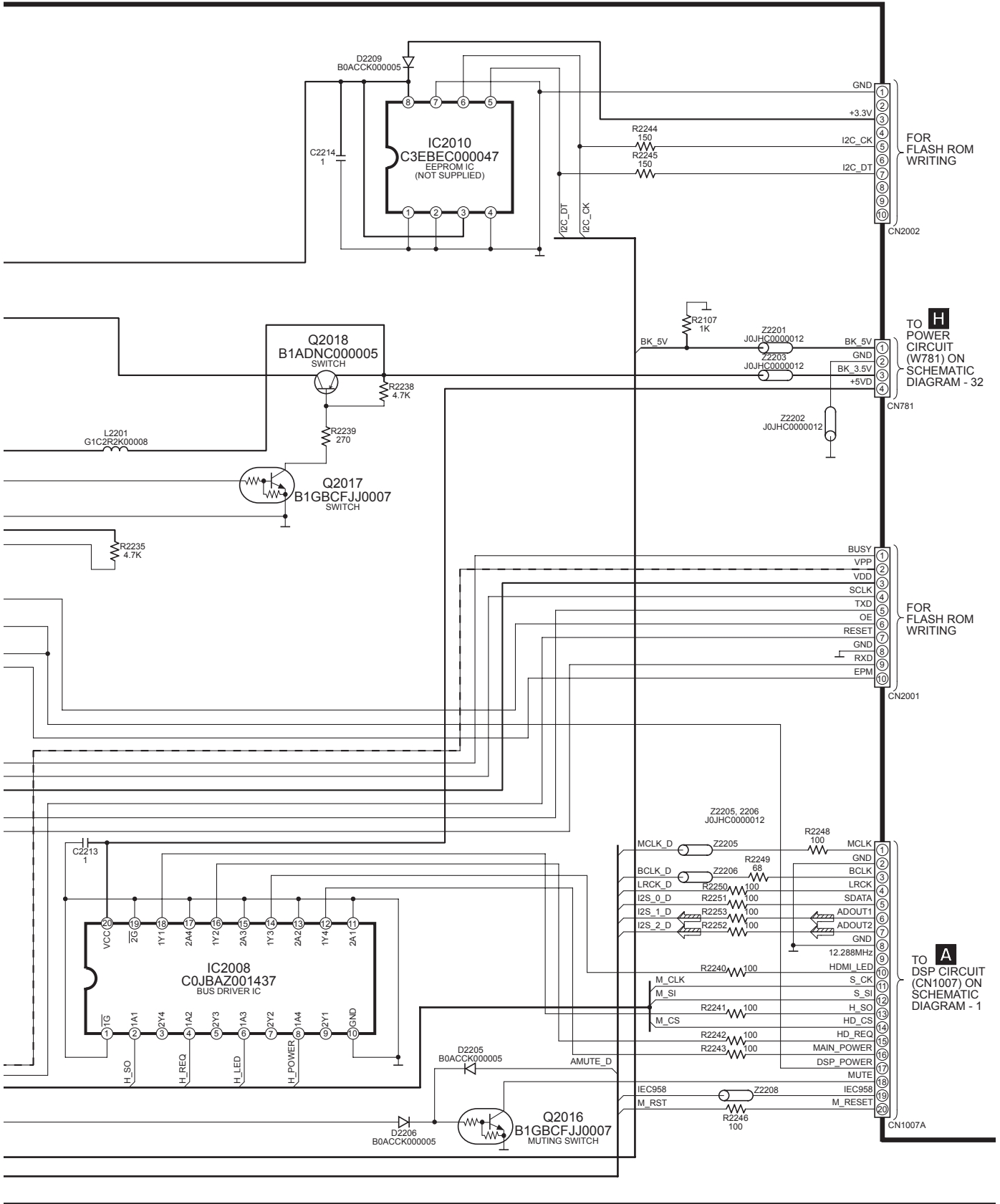
— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 39

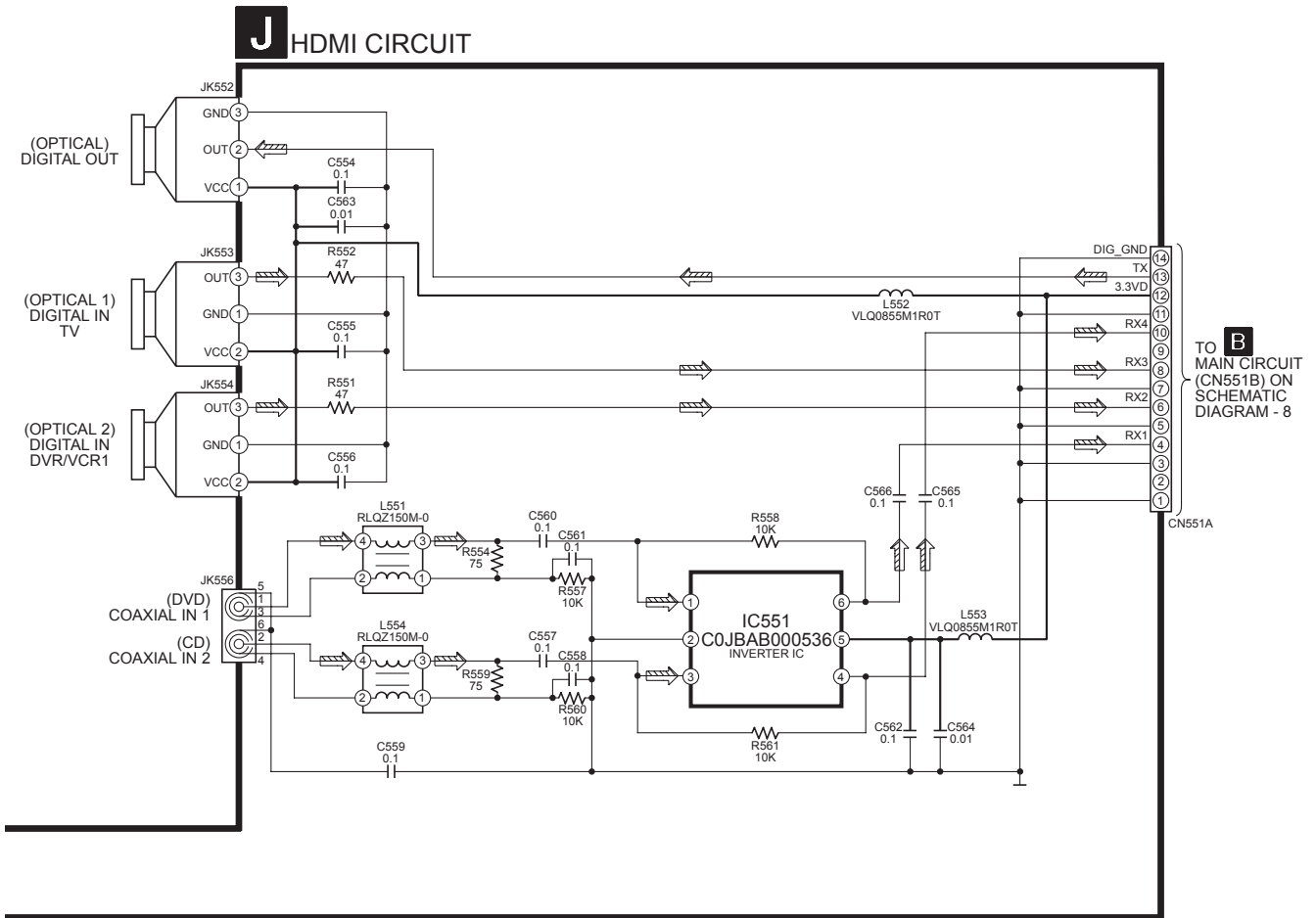
J HDMI CIRCUIT

--- : -B SIGNAL LINE
 — : +B SIGNAL LINE
 : MAIN SIGNAL LINE



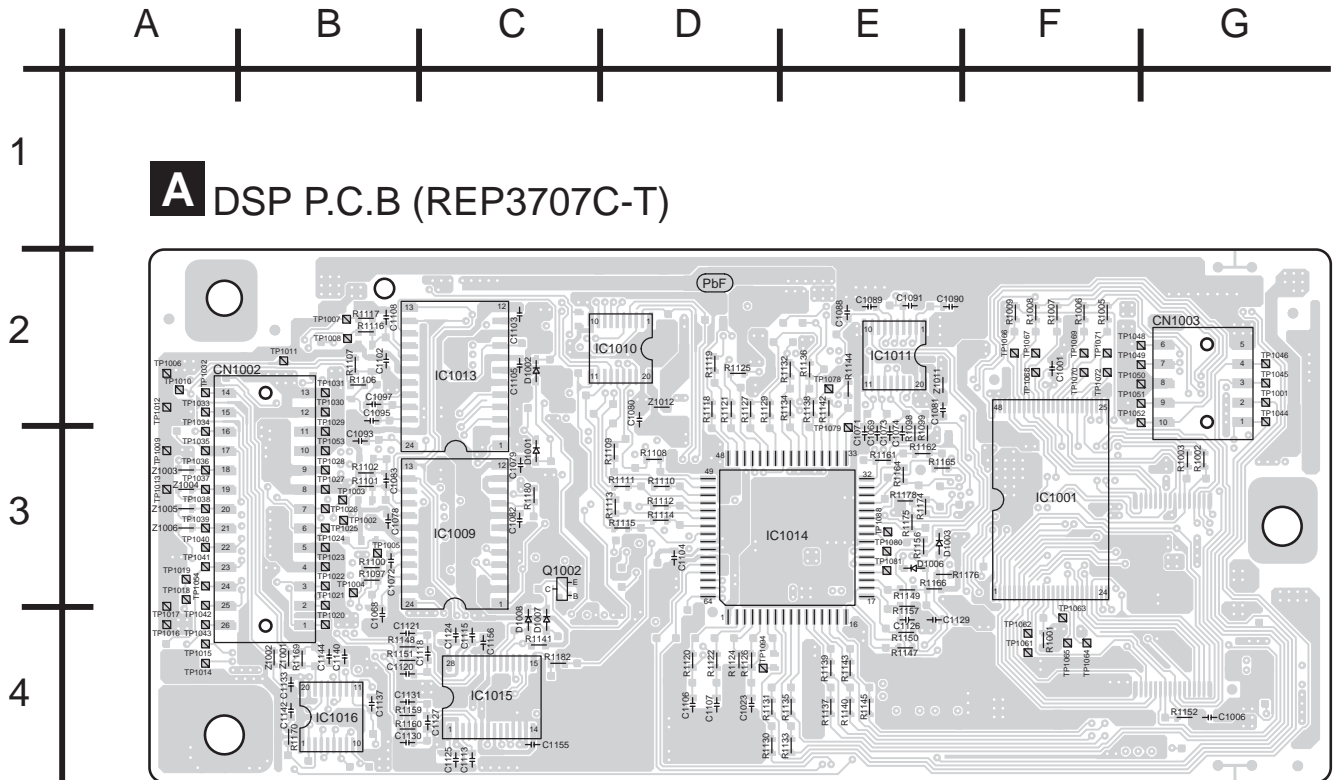
SCHEMATIC DIAGRAM - 40

— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

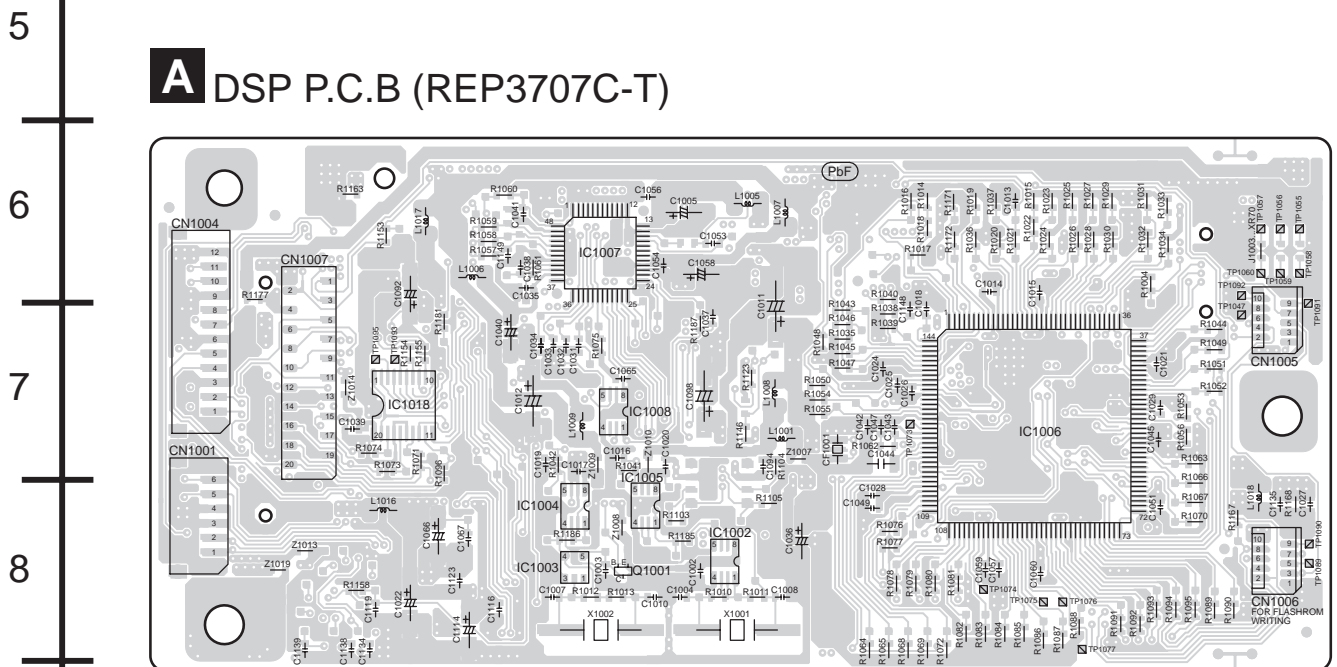


16 Printed Circuit Board

16.1. DSP P.C.B.

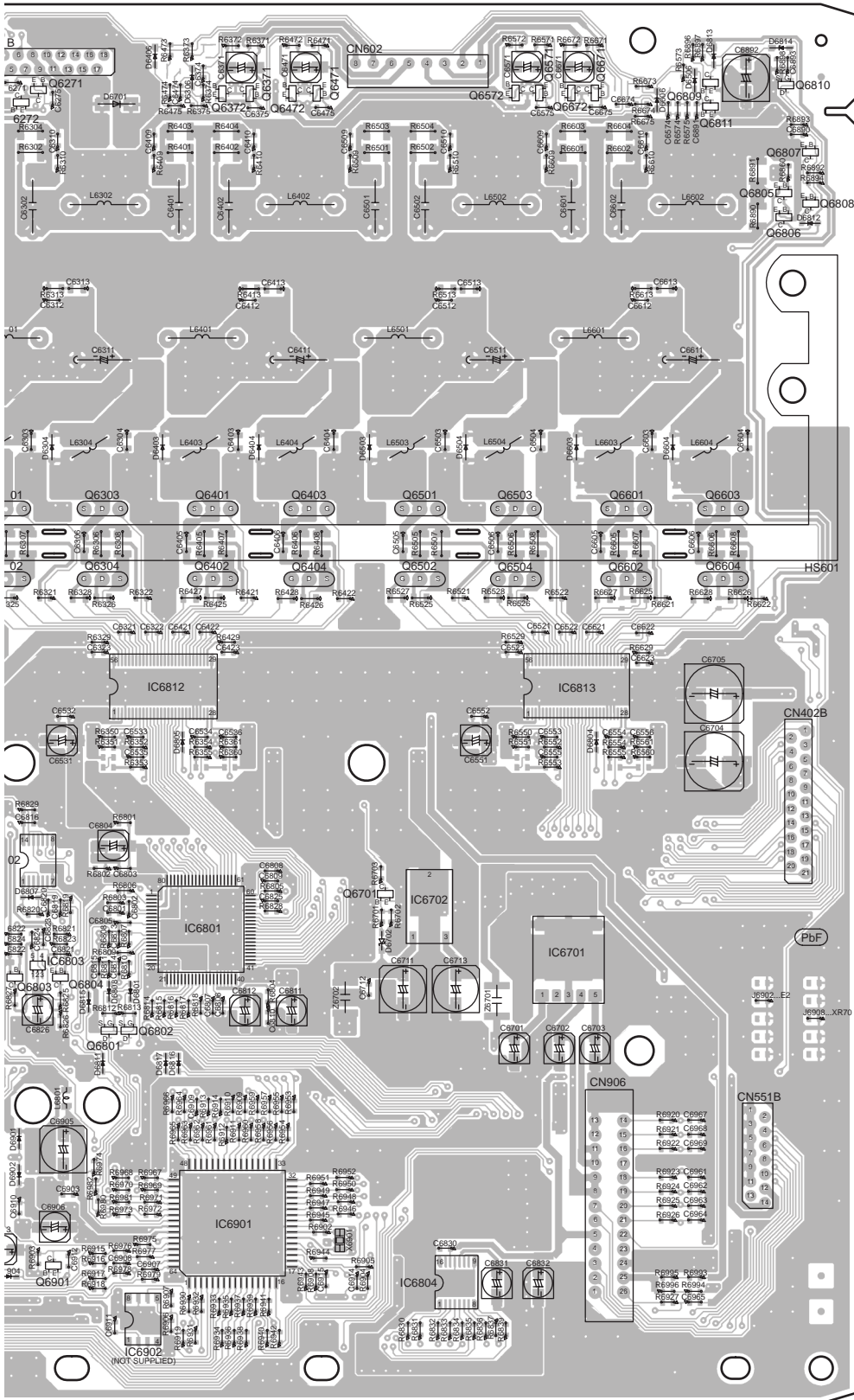


(SIDE A)

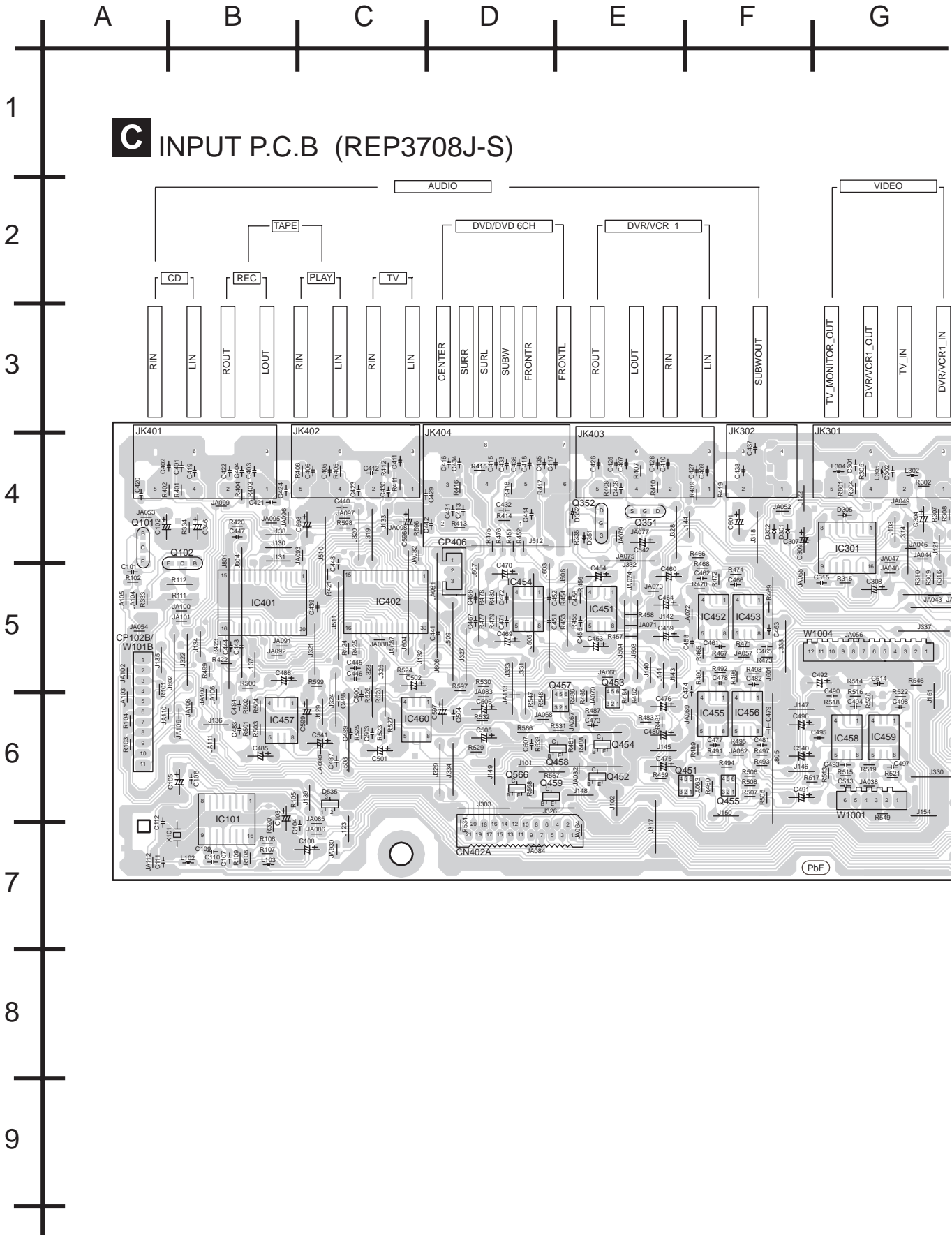


(SIDE B)

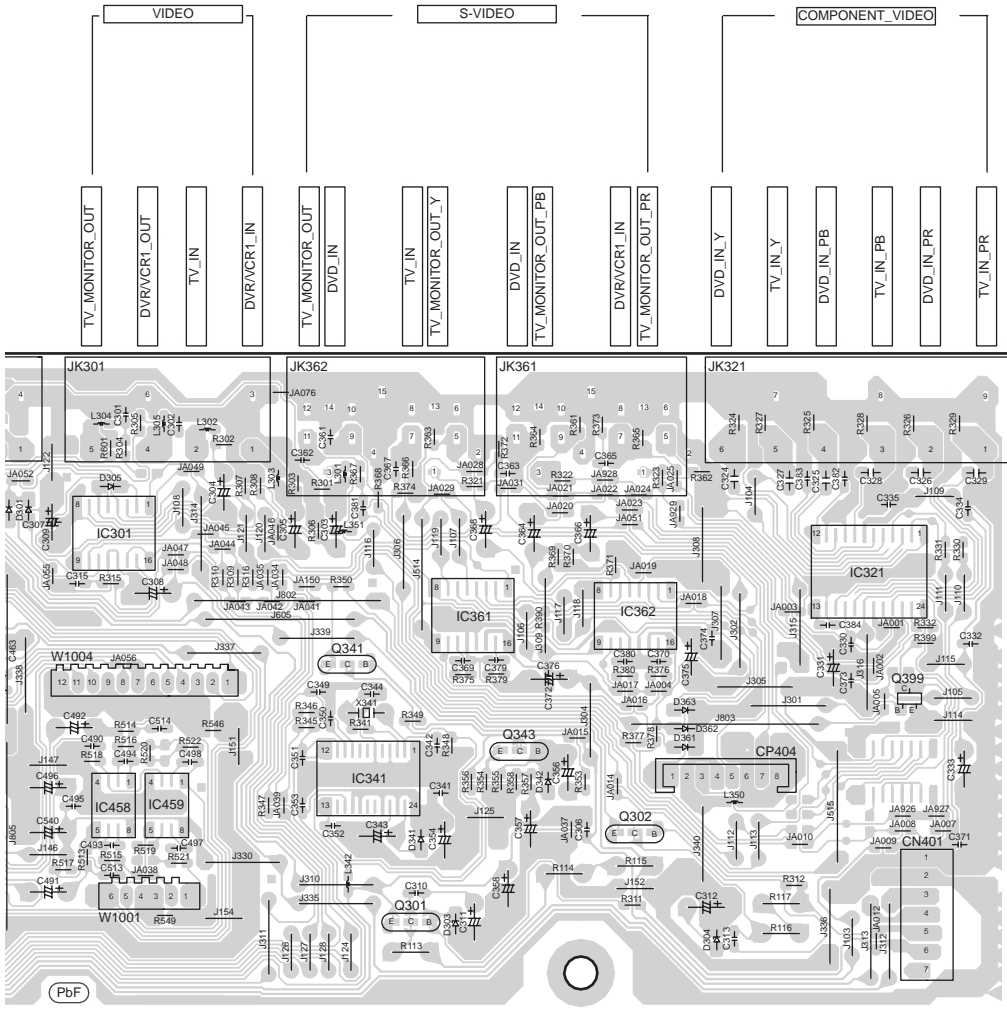
G H I J K L M



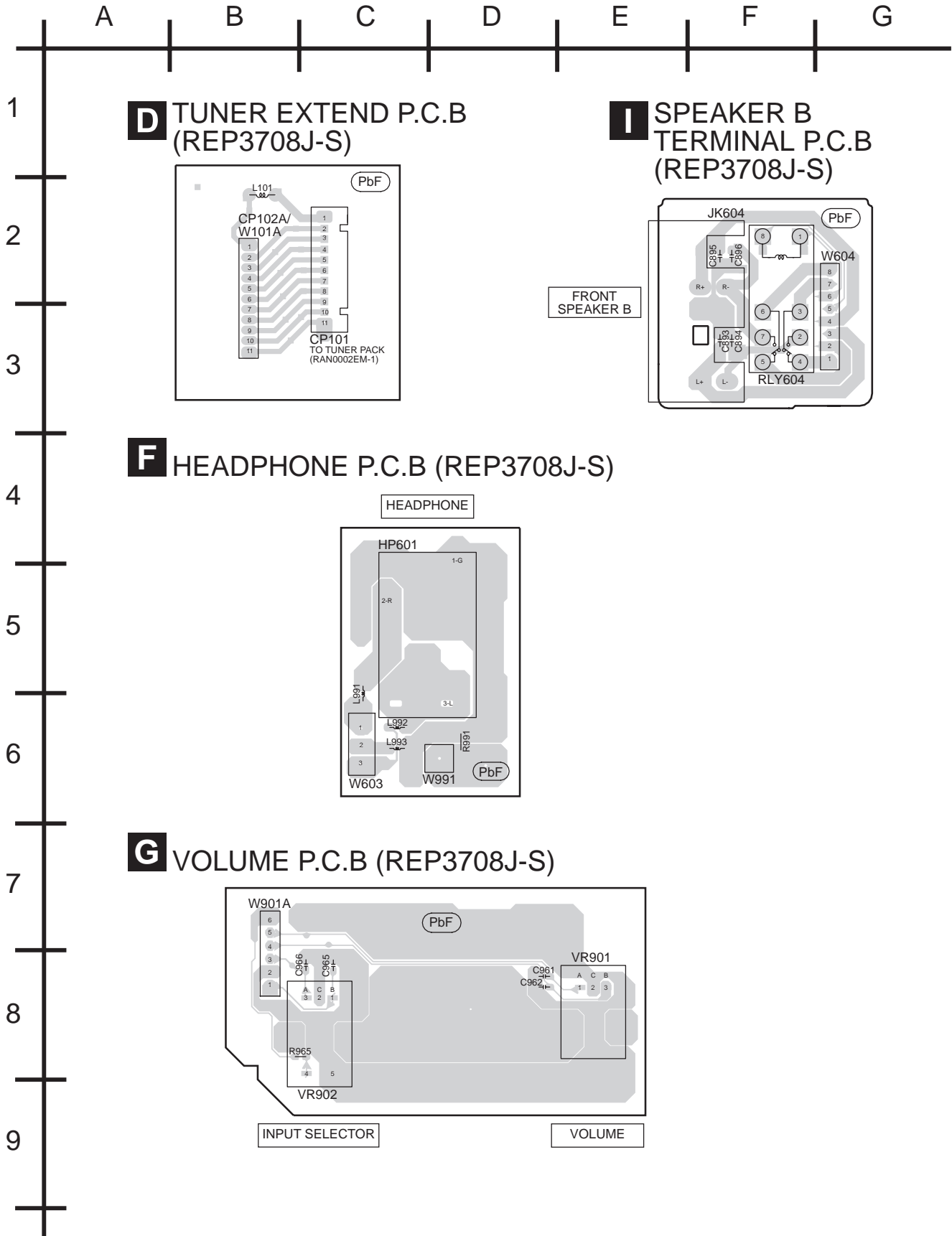
16.3. INPUT P.C.B.



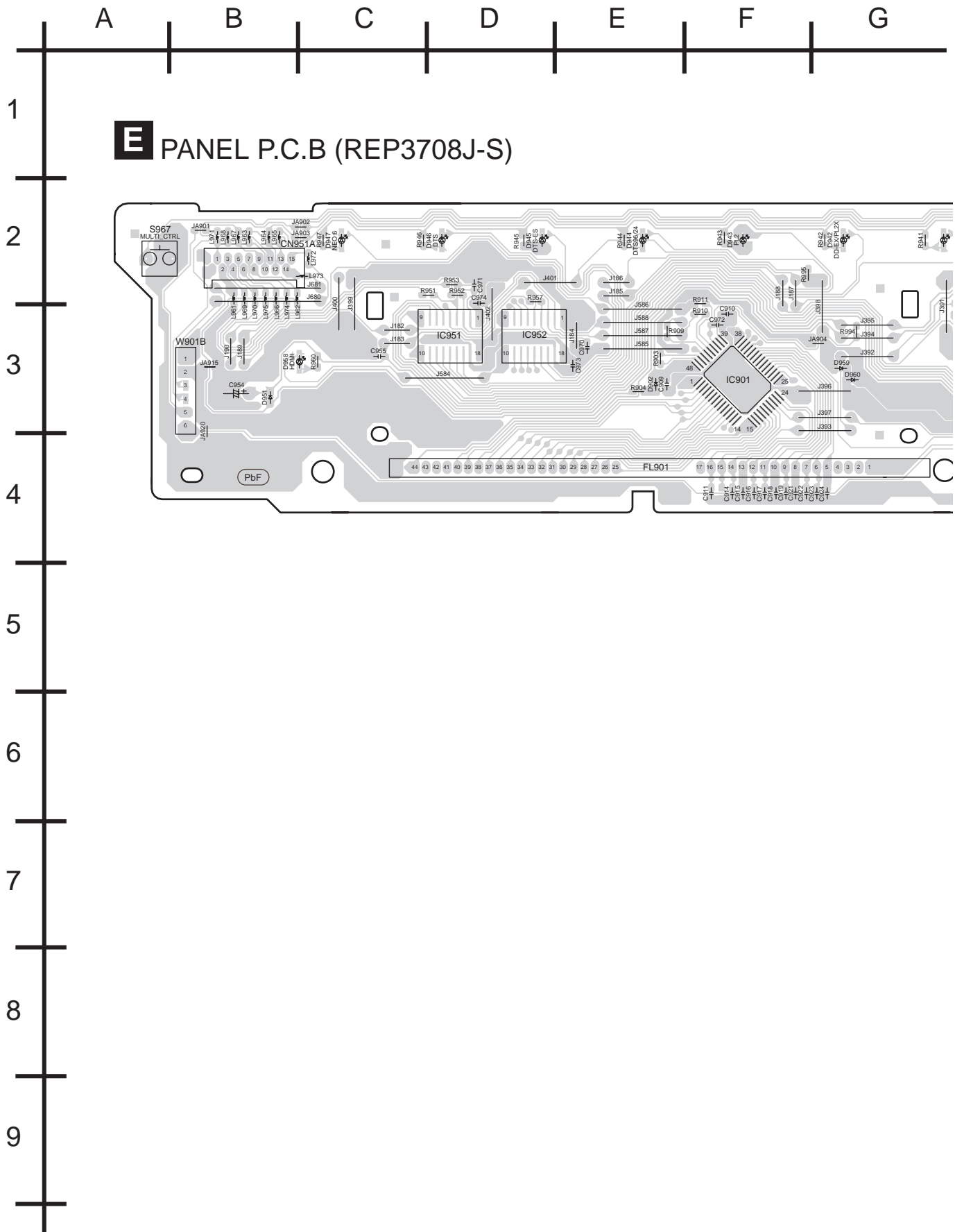
G H I J K L M



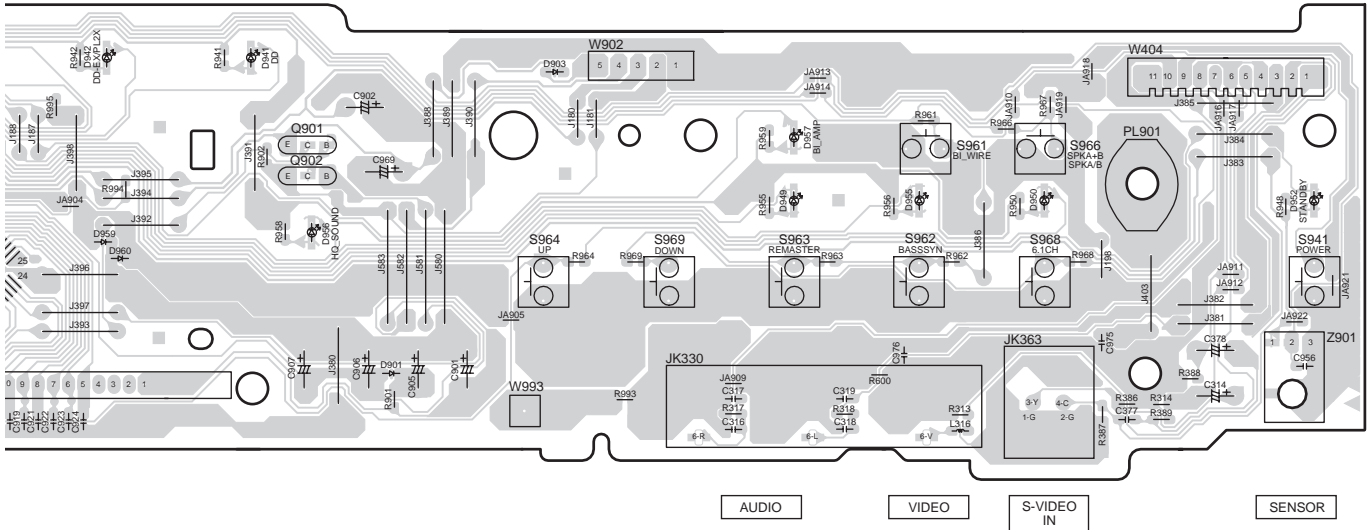
16.4. TUNER EXTEND P.C.B, HEADPHONE P.C.B, VOLUME P.C.B and SPEAKER B TERMINAL P.C.B



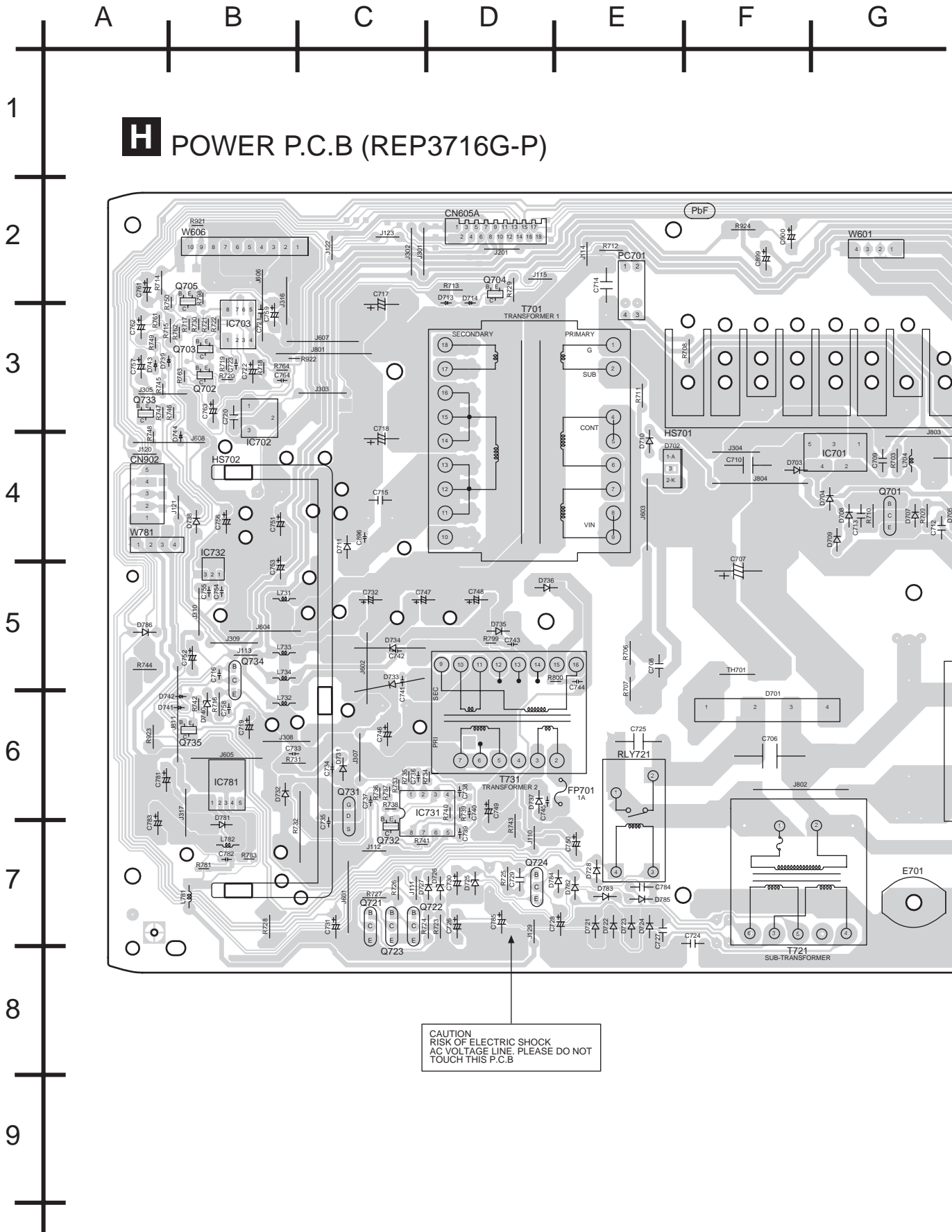
16.5. PANEL P.C.B.



G H I J K L M

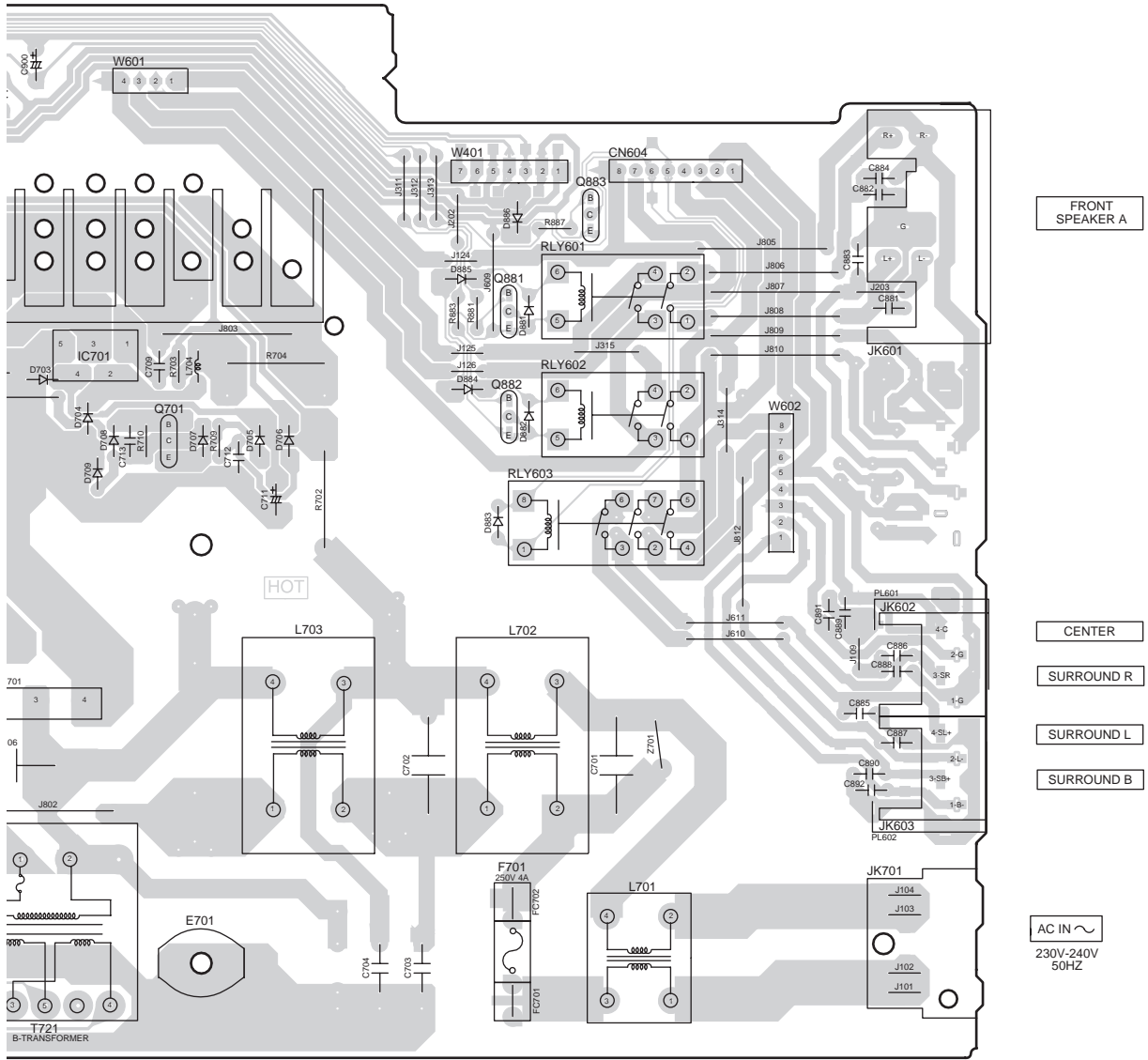


16.6. POWER P.C.B.

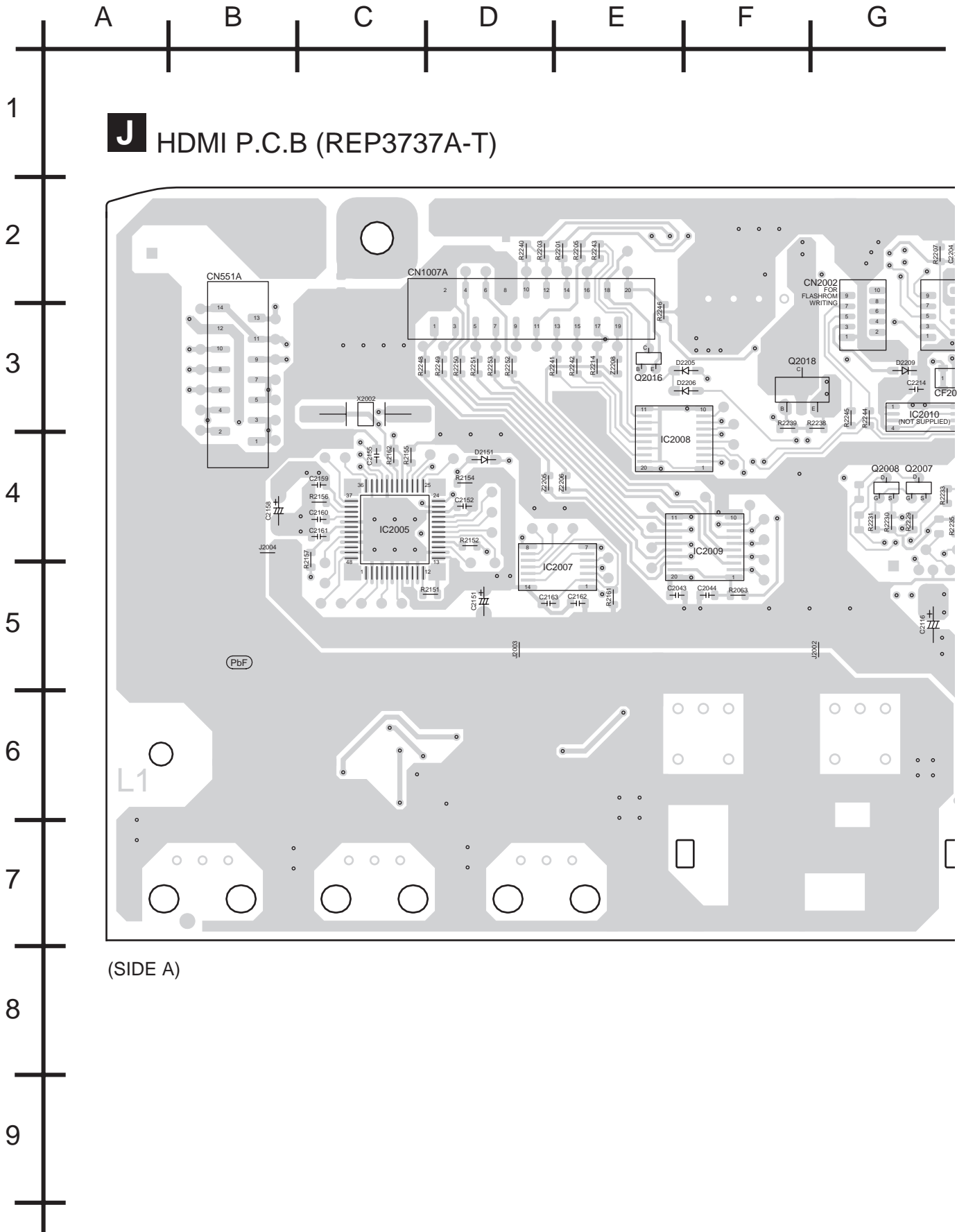


CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE, PLEASE DO NOT
TOUCH THIS P.C.B

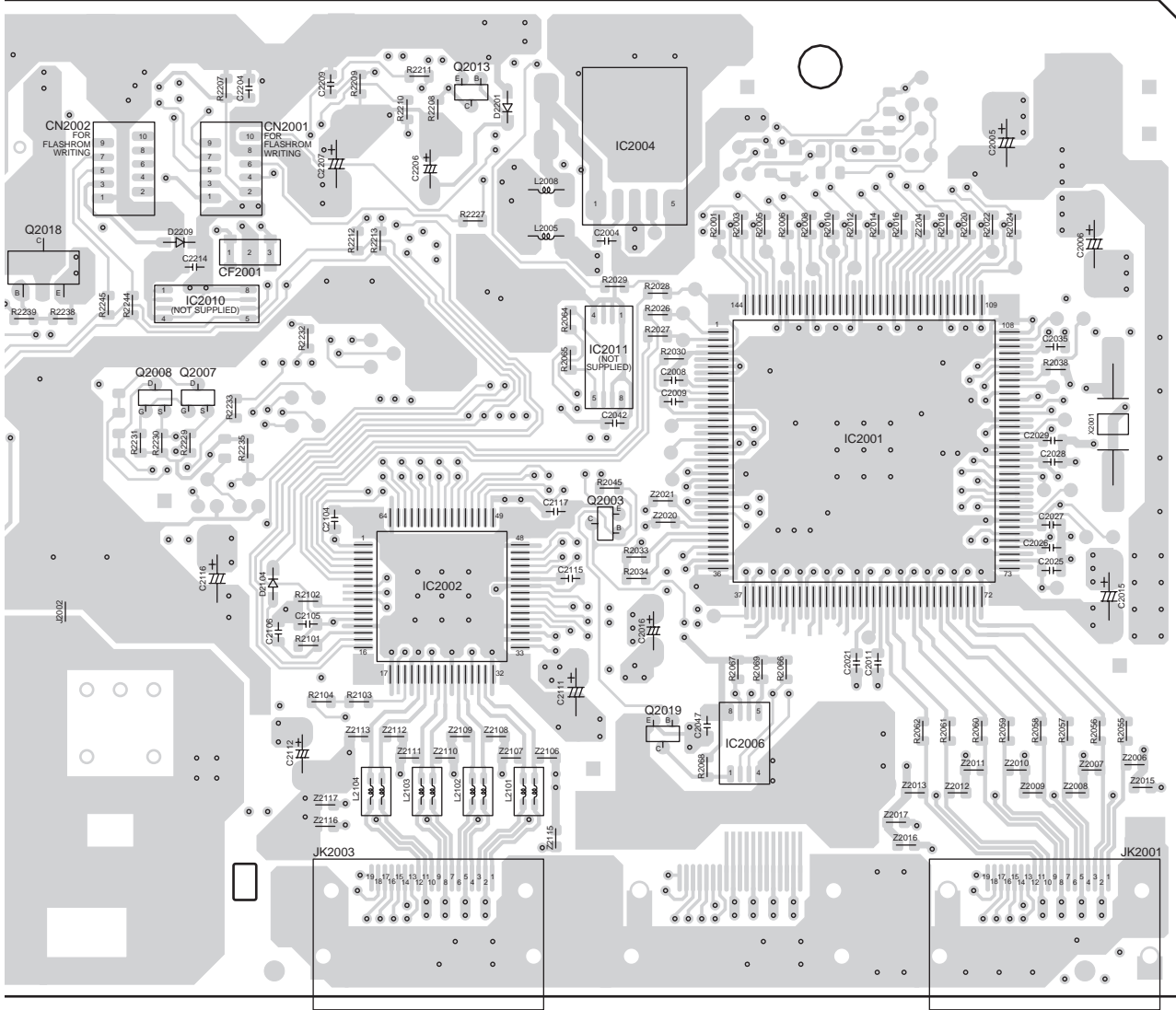
G H I J K L M



16.7. HDMI P.C.B.

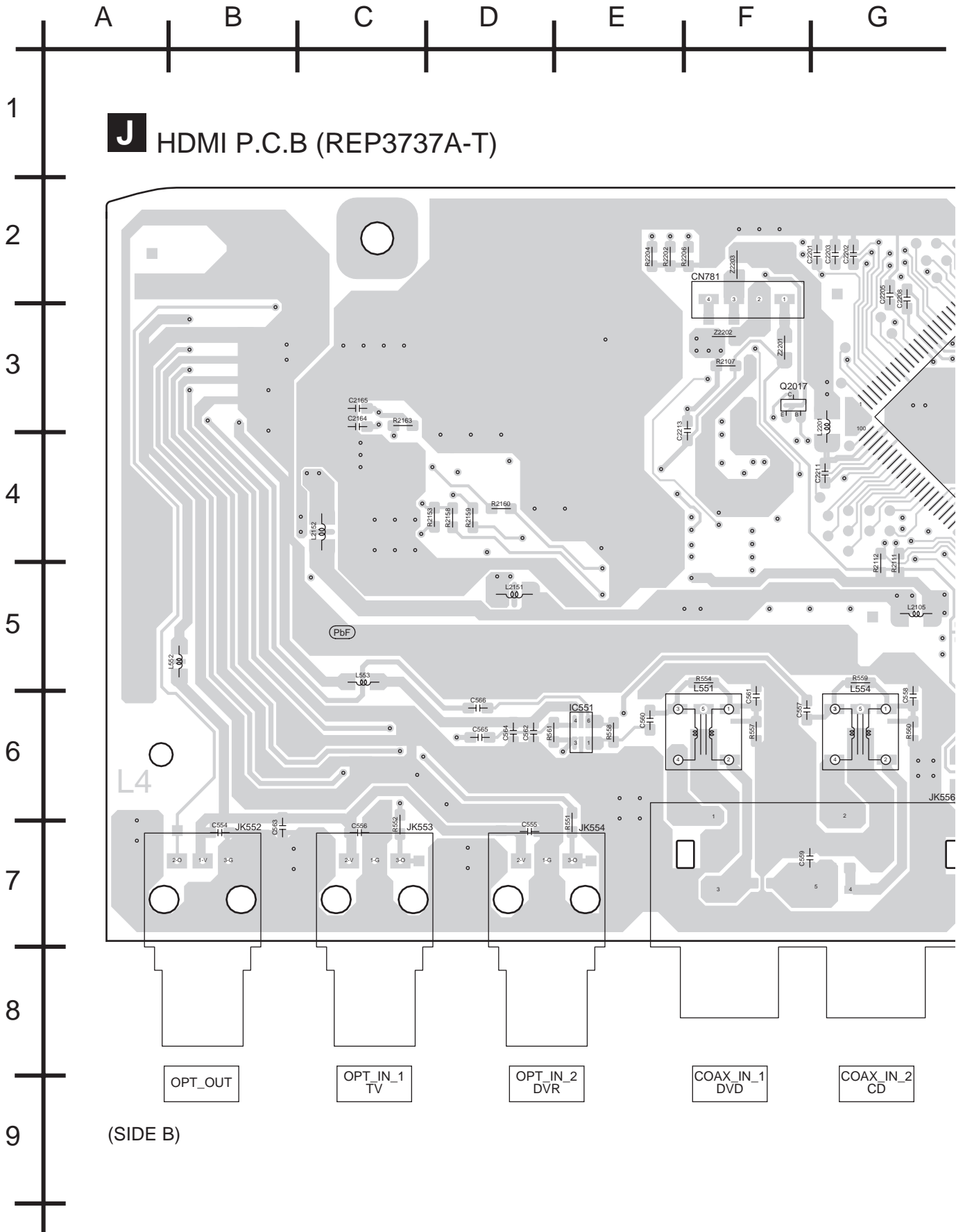


G | H | I | J | K | L | M



HDMI OUT
TV

HDMI IN
DVD



J HDMI P.C.B (REP3737A-T)

OPT_OUT

OPT_IN_1
TV

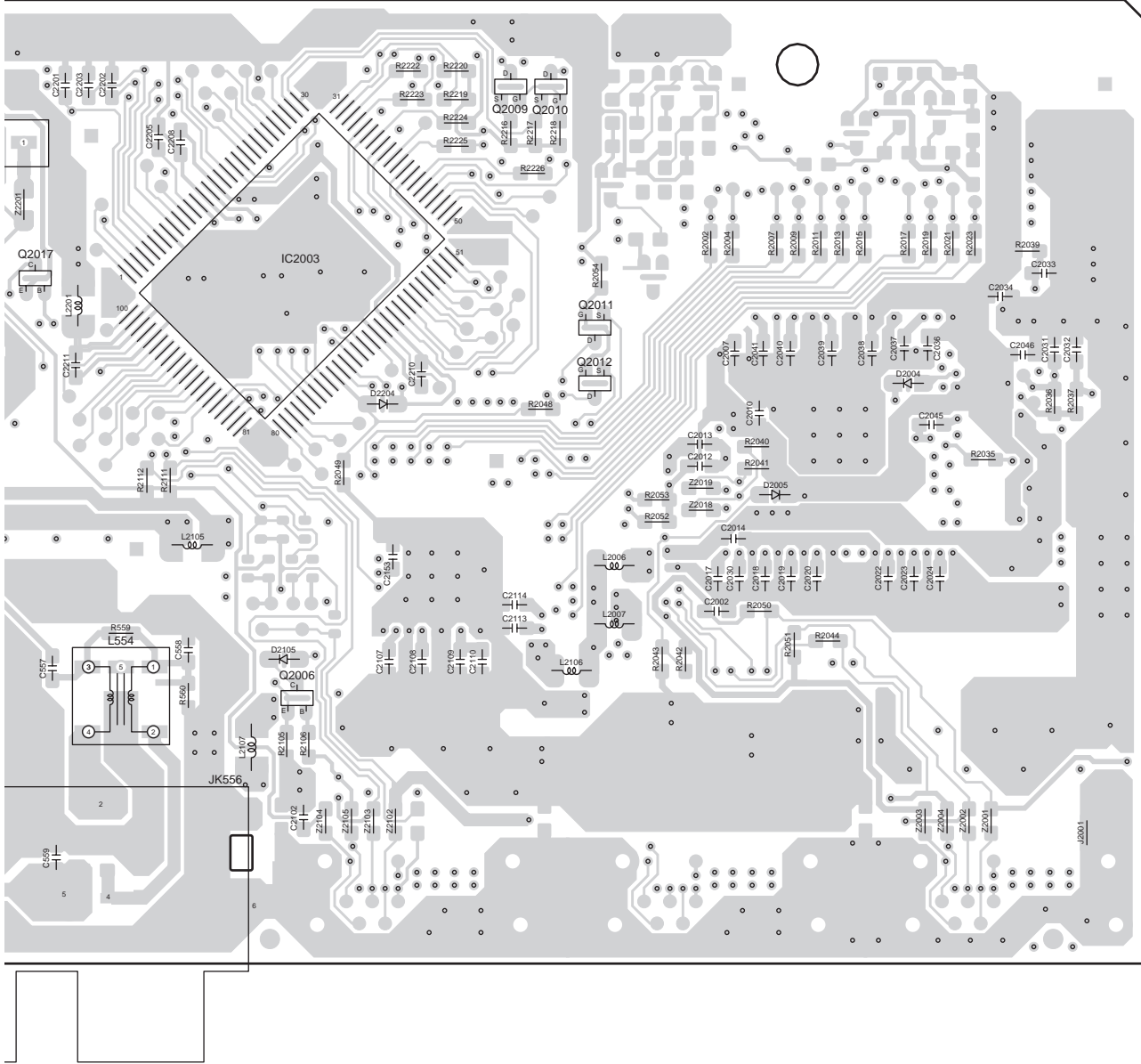
OPT_IN_2
DVR

COAX_IN_1
DVD

COAX_IN_2
CD

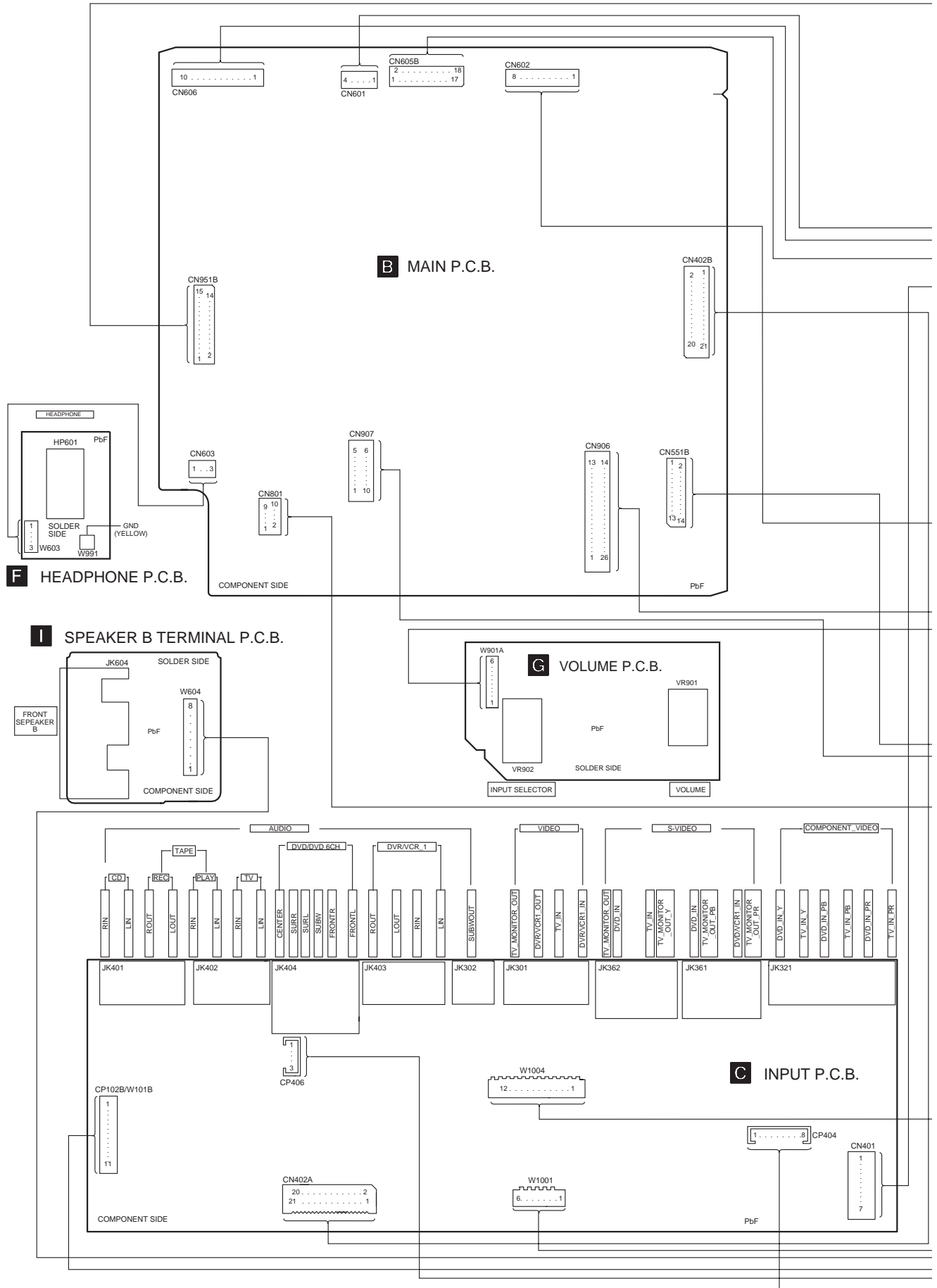
(SIDE B)

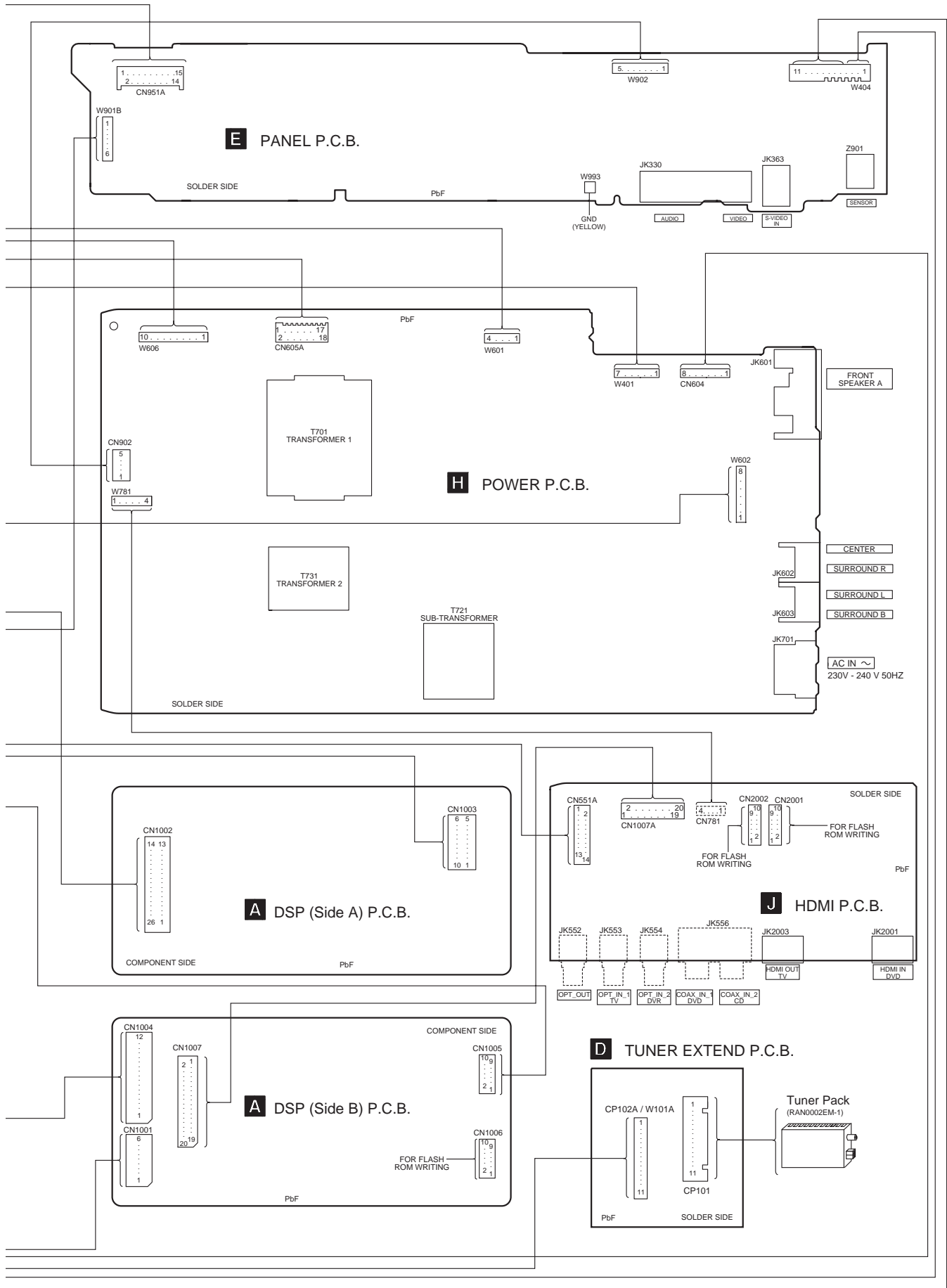
G H I J K L M



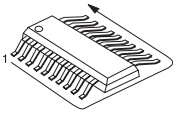
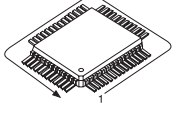
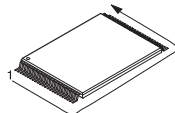
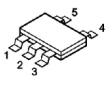
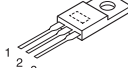
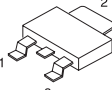
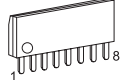
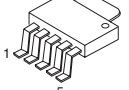
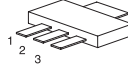
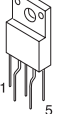

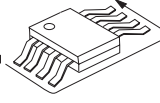
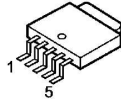
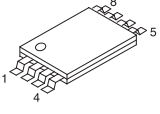
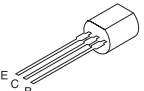
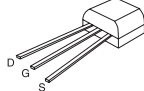
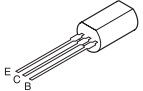
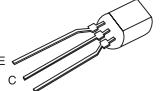
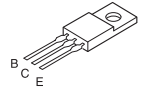

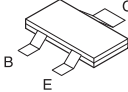
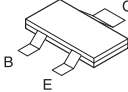

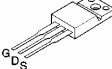
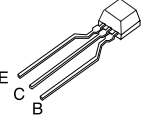

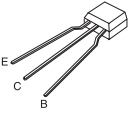
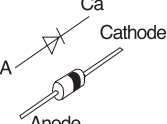
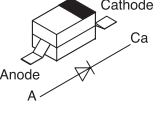
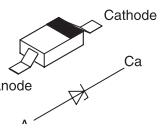
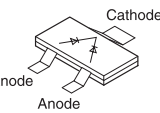
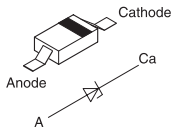
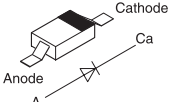
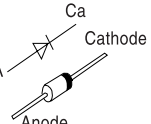
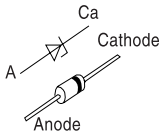
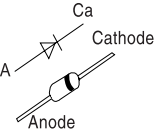
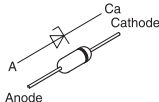
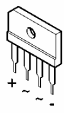
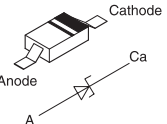
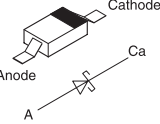
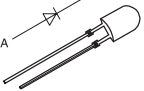
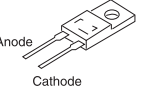
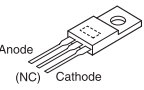
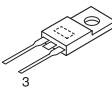
COAX_IN_2
CD

17 Wiring Connection Diagram





18 Illustration of IC ' s, Transistors and Diodes

<p>C0JBAB000371 (8p) C0JBAZ001437 (20p) C0JBAA000244 (14p) C0BBCA000040 (14p) C0JBAS000176 (30p) C1BB00000835 (56p) C0FBAK000011 (24p) C0JBAZ001466 (20p) C0JZAS000004 (30p)</p>	<p>C0ABBA000073 (8p) C0JBAF000367 (8p) C0JBAR000308 (8p) C0ABBB000125 (8p) C1BB00000672 (28p) C1ZBZ0002419 (8p) C0FBBK000038 (16p) C1AB00001931 (16p) C1AB00001930 (24p)</p>	<p>C0JBAB000536 (6p) C0JBAQ000073 (18p) C1BB00000715 (16p) C1AB00001635 (24p) C0JBAK000204 (14p)</p> 	<p>C1BB00000692 (48p) C1BB00000834 (80p) C0HBB0000040 (48p) C2HBZZ000013 (144p) C1AB00001944 (64p) C1AB00001976 (144p) C2BBGF000565 (64p) C2BBGF000566 (64p) C2CBKJ000099 (100p)</p> 		
<p>C3FBLD000136 (48p)</p> 	<p>C0JBAB000423 C0JBAB000202</p> 	<p>C0EAS0000032</p> 	<p>C0CBABG00006 C0CBAKG00004</p> 	<p>C0AABB000054</p> 	<p>C0DBZZF00001 C0DBFFG00004</p> 
<p>C0CBADC00042</p> 	<p>C5HABZZ00125</p> 	<p>C0ABBB000102 C0DACZZ00007</p> 	<p>C0ZBZ0001001</p> 	<p>C0DBCMG00001</p> 	<p>C3EBEC000047</p> 
<p>2SD592AQRSTA</p> 	<p>2SK2880CTA</p> 	<p>2SC3940ARA</p> 	<p>2SB0621AHA</p> 	<p>B1BACJ000005</p> 	<p>B1GFGCAA0001</p> 
<p>UNR211500L 2SA1037AKSTX B1GDCFJN0001 B1ABEC000005 B1GBCFJA0002 B1GBCFJJ0007 B1ABCF000011 B1ADMD000001</p> 	<p>B1ABCF000079 B1ABDB000029 B1GDCFJJ0008</p> 	<p>B1GBCFQQ0002 B1CBGD000001 B1GBCFJN0009</p> 	<p>B1DEGL000004 B1DEGF000001</p> 	<p>2SC3311ARA</p> 	<p>B1ADNC000005</p> 
<p>B1AAGC000006 B1GCCFJJ0008 B1GACFJN0007 RVTDTCC114EST</p> 	<p>B0EAKM000122</p> 	<p>B0JCPC000004</p> 	<p>MAZ80560ML</p> 	<p>B0ADCJ000020 B0ADCJ000025</p> 	
<p>B0ACCK000005</p> 	<p>MA2J11100L B0ECKP000002 B0JCGD000004 B0ACCE000003</p> 	<p>B0JAME000025 B0HANM000012 B0HAJL000001</p> 	<p>B0BA6R200012 MTZJ39DTA B0BA03000015 B0BA01500036 B0BA01800019</p> 	<p>B0AACK000004 MA2J72800L</p> 	
<p>1SR35400V</p> 	<p>B0FFAR000001</p> 	<p>B0JCCE000002</p> 	<p>MAZ80330HL</p> 	<p>B3ABA0000292 SLR342VC</p> 	<p>B0HASM000003</p> 
<p>B0ZAZ0000052</p> 	<p>B0HASM000005</p> 				

19 Terminal Function of ICs

19.1. IC6901 (C2BBGF000565): Microprocessor

Pin NO.	Terminal Name	I/O	Function
1	/AMP_RESET	O	LED Driver Control : Clock
2	DC_DET	I	LED Driver Control : Data
3	D/A_ST	I/O	LED Driver Control : Strobe
4	E_DT	O	EEPROM Control : Data
5	E_CK	O	EEPROM Control : Clock
6	E_CS	O	EEPROM Control : Chip Select
7	REQS	I/O	Communication to Sub μ P : Request from Sub μ P
8	REQM	I/O	Communication to Sub μ P : Request from Main μ P
9	M_CK	O	Communication to Main μ P : Clock
10	M2S_DT	O	Communication to Main μ P : Serial Output
11	S2M_DT	I	Communication to Main μ P : Serial Input
12	F_BUSY	I/O	To rewrite μ P ROM : BUSY
13	F_CK	O	To rewrite μ P ROM : CLOCK
14	V_A	I/O	Video Selector Control : A
15	F_DA	I/O	To rewrite μ P ROM : DATA
16	V_B	I/O	Video Selector Control : B
17	REMOTE	I	Remote Control Signal Input
18	CNVSS (VPP)	-	12V supply to rewrite Flash ROM
19	RESET	I	Reset Input
20	AC_SYNC	I	Power Failure Detection
21	V_C	-	Video Selector Control :C
22	XIN	I/O	10MHz Connect to Oscillator
23	XOUT	I/O	10MHz Connect to Oscillator
24	VSS	-	Connect to GND
25	MUT_ALL	O	MUTE for all channel
26	MMD	-	N.C.
27	MUT_SW	O	MUTE for SUBWFR
28	VCR_REC	O	VCR REC_MUTE control
29	OSD_CK	O	OSD Control : Clock
30	OSD_DT	I	OSD Control : Data
31	OSD_ST	I/O	OSD Control : Strobe
32	LED_ST1	I	#1 LED Driver Control : Latch
33	SP_B	O	B Speaker Relay Control
34	POWER_RLY	-	Power Relay Control (H ; ON)
35	/M_RESET	O	RESET signal for sub μ P
36	LED_ST2	-	N.C.
37	HP_SW/SP_A	O	A Speaker Relay Control
38	MUT_2ND	O	MUTE for 2nd Audio
39	RDS_CK	O	RDS IC Control : Clock
40	RDS_DI	I	RDS IC Control : Data
41	INIT_IN1	I	Initialize Setting Input 1
42	INIT_IN2	I	Initialize Setting Input 2
43	TUN_SD	I	SD Input for Tuner
44	TUN_DI/ST	I	IF data/Stereo detect input for Tuner Control
45	TUN_CE	O	CE Output for tuner
46	SEL/TN/DA_CK	O	Input Selector, Tuner and D/A Control : Clock
47	SEL/TN/DA_DT	O	Input Selector, Tuner and D/A Control : Data
48	SEL_ST	O	Input Selector Control : Strobe
49	F_OE	O	To rewrite μ P ROM : ENABLE
50	FL/LED_CK	O	FL & LED Driver Control : Clock
51	FL/LED_DT	I	FL & LED Driver Control : Data

Pin NO.	Terminal Name	I/O	Function
52	FL_ST	I/O	FL Driver Control : Strobe
53	TAS_SDA	O	TAS5036 Control : Data
54	TAS_SCL	I/O	TAS5036 Control : Clock
55	A/D_ATT	I/O	A/D attenuator Control
56	/SHORT_DET	O	Output Short Detection (OVERLOAD)
57	VCC	-	+5V power supply
58	VREF	-	VCC Connected
59	AVSS	-	GND Connected
60	THRM_DET	I/O	Thermal Warning Detection (CLIPPER)
61	SEL_ENC_A	I	Input Selector Encoder A
62	SEL_ENC_B	I	Input Selector Encoder B
63	KEY2	I	Key input 2
64	KEY1	I	Key input 1

19.2. IC1014 (C2BBGF000566): Microprocessor

Pin NO.	Terminal Name	I/O	Function
1	HOLD	I/O	Power failure detection
2	DECOUT	I	Input of DC/DC converter output correction voltage
3	DECGND	O	Reference GND for DC/DC converter output correction
4	-	-	N.C. (GND)
5	AMPCNT1	O	Control output for DC/DC converter 0 to 3V
6	AMPCNT2	I/O	Power supply High/Low Tap selection
7	REQS	I/O	Communication to Main μ P : Request from Sub μ P
8	REQM	I/O	Communication to Main μ P : Request from Main μ P
9	SCLK	I/O	Communication to Main μ P : Clock
10	S2M_DT	O	Communication to Main μ P : Serial Output
11	M2S_DT	I	Communication to Main μ P : Serial Input
12	F_BUSY	I/O	μ P & external Flash Memory On-board control : Busy
13	F_CK	I/O	μ P & external Flash Memory On-board control : Clock
14	F.DTO	O	External Flash Memory On-board control : Data Output
15	F_DA	I	μ P & external Flash memory On-board control : Data In
16	DIRINT1	I/O	Interrupt signal 1 from DIR
17	DIRINT0	I/O	Interrupt signal 0 from DIR
18	CNVSS/VPP	-	12V supply to rewrite Flash ROM
19	/RESET	I	Reset Input
20	-	-	No Used (GND)
21	-	-	No Used (GND)
22	XIN	I/O	16.3MHz Connect to Oscillator
23	XOUT	I/O	16.3MHz Connect to Oscillator
24	VSS	-	Connect to GND
25	MUTE	O	MUTE output
26	A18	-	N.C.
27	A17	I/O	HDMI Select (L : DIR / H : HDMI)
28	A16	I/O	HDMI Request
29	A15	I/O	HDMI Chip Select
30	H_SO	I/O	H_SO (Data Output)
31	S_SI	I/O	S_SI (Serial Input)
32	S_CK	I/O	S_CK (6 Lock Signal)
33	-	I/O	N.C.

Pin NO.	Terminal Name	I/O	Function
34	ENC1	I/O	Master volume encoder A
35	ENC2	I/O	Master volume encoder B
36	-	-	N.C.
37	AD_DIV	I/O	A/D sampling frequency selection
38	AD_M0	I/O	A/D sampling frequency selection
39	/INTREQ	I/O	Interrupt Request from DSP (1)
40	/FINTREQ	I/O	Interrupt Request from DSP (2)
41	INIT	I	Input port for the initial setting
42	AD_OVS	I/O	A/D overflow detection (for SURR/C/SUBW)
43	AD_OVF	I/O	A/D overflow detection (for FRONT L/R)
44	OSC_P1	I/O	24.0MHz OSC power
45	MCKSEL	I/O	Master Clock Selection
46	DIR_RST	O	Reset for DIR
47	DIR_CS	I	DIR chip select
48	CDT0	O	DIR control : Data Output
49	/F_OE	O	µP Flash ROM On-board control : Output Enable
50	SCDCLK	I/O	DIR & DSP control : Clock
51	SDOUT	O	DIR & DSP control : Data Output to DSP & DIR
52	SDIN	I	DSP control : Data Input from DSP
53	/AD_RST	I/O	RESET for A/D
54	/DSP_RST	I/O	RESET for DSP
55	/DSP_FCS	I/O	DSP control : chip select (2)
56	/DSP_CS	I/O	DSP control : chip select (1)
57	VCC	-	+5V power supply
58	VREF	-	VCC
59	AVSS	-	GND
60	SCSIEN	I/O	For the communication with the DSP external Flash rewriting tool
61	25BSY	I/O	For the communication with the DSP external Flash rewriting tool
62	CS	I/O	EEPROM control for ROM correction : CS
63	SK	I/O	EEPROM control for ROM correction : SK
64	DA10	I/O	EEPROM control for ROM correction : DATA

20 Parts Location and Replacement Parts List

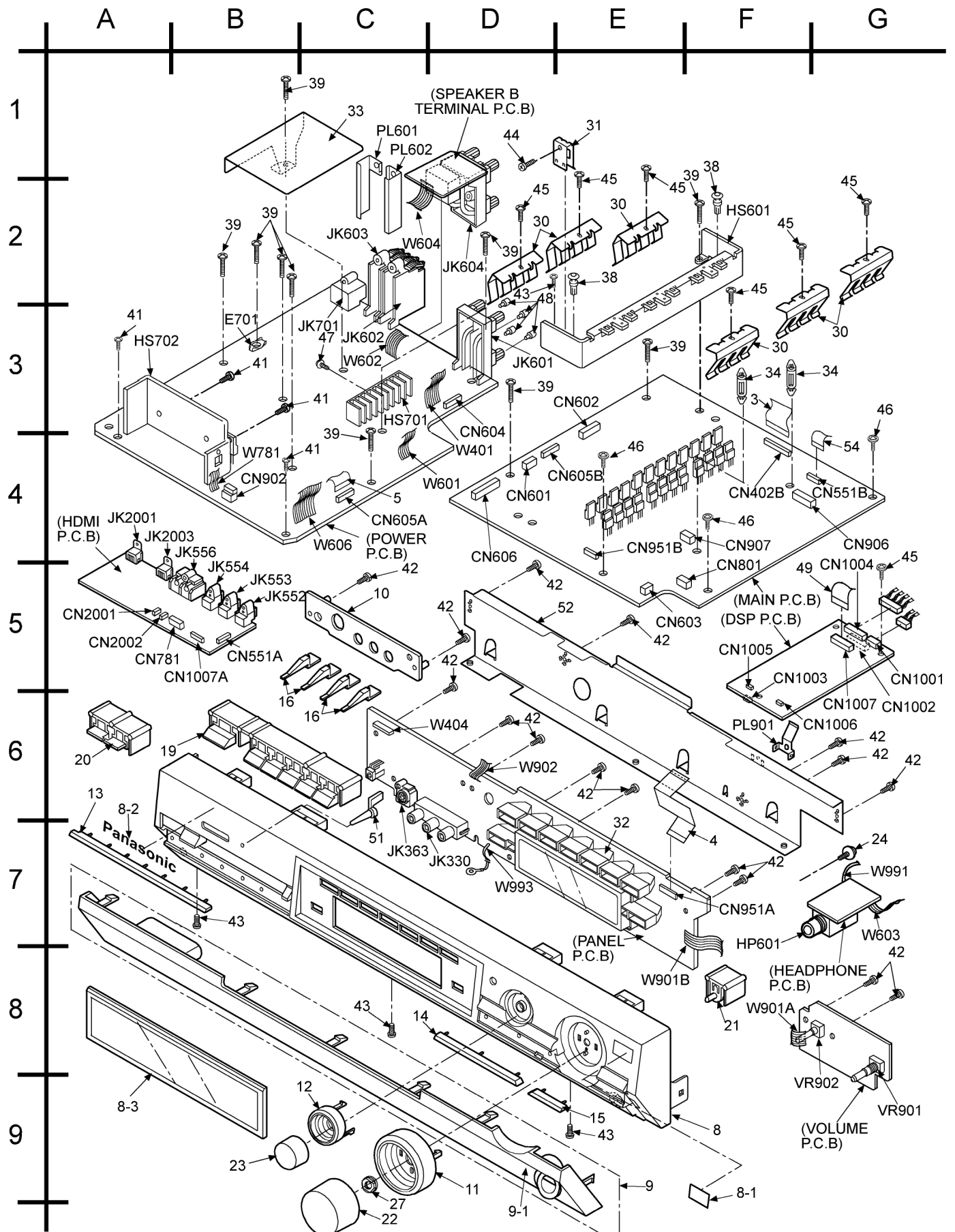
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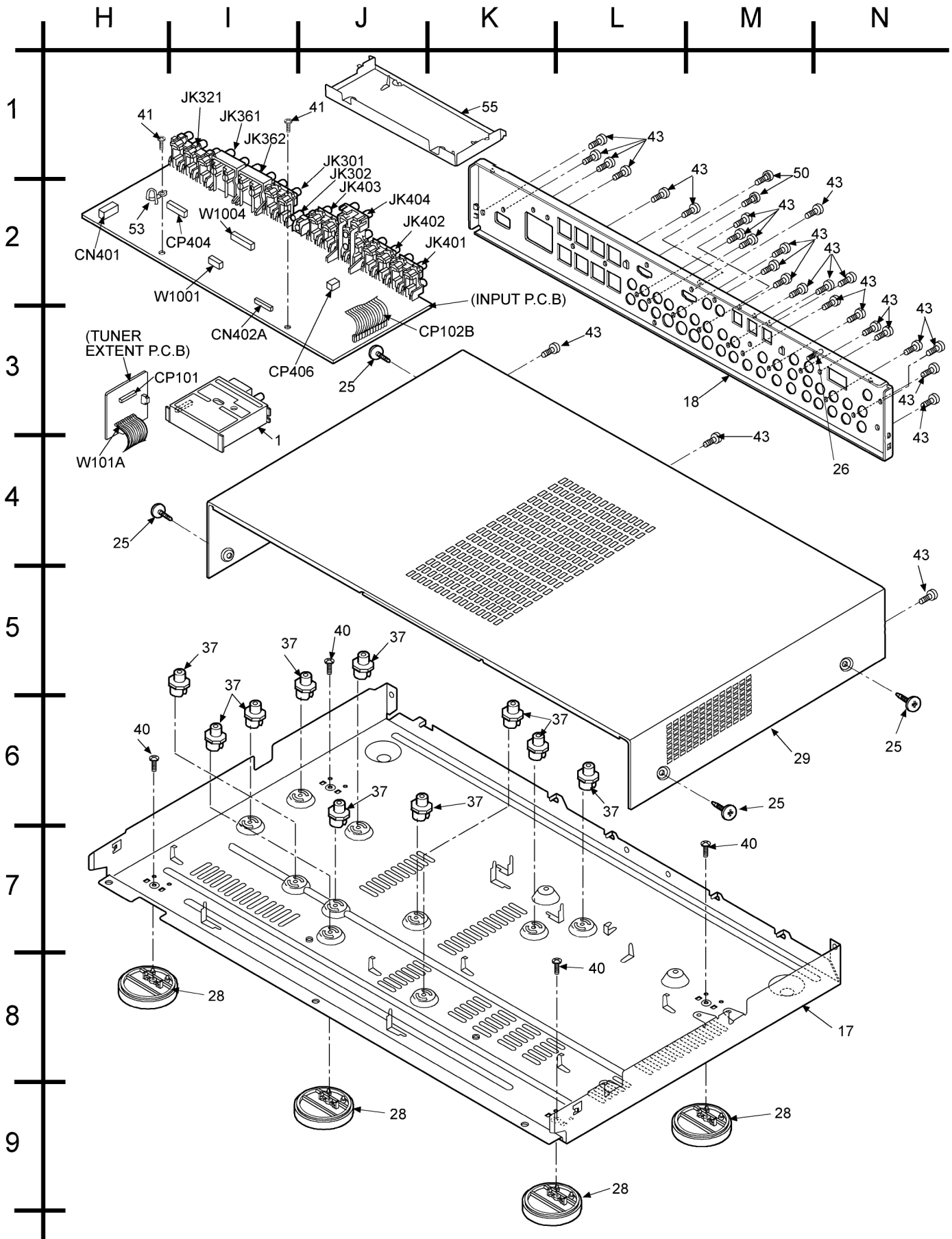
- Important safety notice:
Components identified by \triangle mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low noise (resistors), etc are used.
When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.
- The parenthesized indications in the Remarks columns specify the areas or colour. (Refer to the cover page for area or colour)
Parts without these indications can be used for all areas.
- Capacitor values are in microfarads (μF) unless specified otherwise, P= Pico-farads (pF), F= Farads.
- Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM).
- The marking (RTL) indicates that the Retention Time is limited for this items. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of a availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
- [M] Indicates in the Remarks columns indicates parts supplied by **PAVCSG**.
- The "(SF)" mark denotes the standard part.
- Reference for O/I book languages are as follows:

Ar:	Arabic	Du:	Dutch	It:	Italian	Sp:	Spanish
Cf:	Canadian French	En:	English	Ko:	Korean	Sw:	Swedish
Cz:	Czech	Fr:	French	Po:	Polish	Co:	Traditional Chinese
Da:	Danish	Ge:	German	Ru:	Russian	Cn:	Simplified Chinese
Pe:	Persian						

20.1. Cabinet Parts Location

20.1.1. Cabinet





20.1.2. Cabinet Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RAN0002EM-1	TUNER MODULE	[M]
3	REE1226	21P FFC WIRE	[M]
4	REE1278-1	15P FFC WIRE	[M]
5	REE1279	18P FFC WIRE	[M]
8	RFKGAXR70EGS	FRONT PANEL ASS'Y	[M]
8-1	RGB0144-N1	DIG. BADGE	[M]
8-2	RGB0145-N	PANASONIC BADGE	[M]
8-3	RKW0749-S1	FL WINDOW	[M]
9	RFKNAXR70EGS	FRONT ORNAMENT ASS'Y	[M]
9-1	RGK1737E-S	FRONT ORNAMENT	[M]
10	RGK1738A-S	VCR ORNAMENT	[M]
11	RGK1739-S	VOLUME RING	[M]
12	RGK1740-1S	SELECTOR RING	[M]
13	RGK1741-S	BUTTON ORNAMENT	[M]
14	RGK1742-S	KNOB ORNAMENT A	[M]
15	RGK1748-S	KNOB ORNAMENT B	[M]
16	RGL0648-Q	LIGHT GUIDE	[M]
17	RFKJAXR70E-S	BOTTOM CHASSIS ASS'Y	[M] E
17	RFKJAXR70EGS	BOTTOM CHASSIS ASS'Y	[M] EB EG
18	RGR0344F-A	REAR PANEL	[M]
19	RGU2266B-S	POWER BUTTON	[M]
20	RGU2267-S	SPEAKER BUTTON	[M]
21	RGU2268-S	MULTI CONTROL BUTTON	[M]
22	RGW0402-S	VOLUME KNOB	[M]
23	RGW0403-S	SELECTOR KNOB	[M]
24	RHD26016	SCREW (PHONE JACK)	[M]
25	RHD30007-1SJ	SCREW	[M]
26	RHD30070	EARTH TERMINAL	[M]
27	RHN90001	NUT	[M]
28	RKA0159-K	SET LEG UNIT (REAR)	[M]
28	RKA0159-S	SET LEG UNIT (FRONT)	[M]
29	RKM0500-S	TOP CABINET (BEND)	[M]
30	RMC0465	TR SPRING	[M]
31	RMC0477	THERMISTOR SPRING	[M]
32	RMN0769	FL HOLDER	[M]
33	RMQ1342	HEAT SINK COVER	[M]
34	RMR1359-W	PCB SUPPORT (DECODER)	[M]
37	SHE185-3	PCB SUPPORT	[M]
38	SHR411	PLASTIC RIVET	[M]
39	XTB3+16JFZ	SCREW	[M]
40	XTB3+6G	SCREW	[M]
41	XTB3+8J	SCREW	[M]
42	XTBS26+10J	SCREW	[M]
43	XTBS3+8JFZ1	SCREW	[M]
44	XTN26+4F	SCREW	[M]
45	XTW3+8T	SCREW	[M]
46	XYB3+F8	SCREW	[M]
47	XYN3+F10	SCREW	[M]
48	RMR1346-K	SPK TERMINAL COVER	[M]
49	REE1299	20P FFC WIRE	[M]
50	XYN3+C8FZ	SCREW	[M]
51	RGL0649-Q	BI AMP LIGHT GUIDE	[M]
52	RMQ1287	FRONT SHIELD	[M]
53	RMQ1364	CLAMPER	[M]
54	REE1298	14P FFC WIRE	[M]
55	RSC0720	HDMI SHIELD COVER B	[M]

20.2. Electrical Part List

Ref. No.	Part No.	Part Name & Description	Remarks
		P.C.B.	
	REP3707C-T	DSP (SIDE A & SIDE B) P.C.B.	[M]
	REP3715F-M	MAIN P.C.B.	[M]
	REP3708J-S	INPUT P.C.B. / TUNER EXTEND P.C.B. / HEADPHONE P.C.B. / VOLUME P.C.B. / SPEAKER B TERMINAL P.C.B. / PANEL P.C.B.	[M]
	REP3716G-P	POWER P.C.B.	[M]
	REP3737A-T	HDMI (SIDE A & SIDE B) P.C.B.	[M]
		INTEGRATED CIRCUITS	
IC101	C1BB00000715	IC RDS	[M]
IC301	C1AB00001931	IC VIDEO SELECTOR	[M]
IC321	C1AB00001930	IC COMPONENT VIDEO	[M]
IC341	C1AB00001635	IC SELECTOR	[M]
IC361	C1AB00001931	IC VIDEO SELECTOR	[M]
IC362	C1AB00001931	IC VIDEO SELECTOR	[M]
IC401	C0JZAS000004	IC SELECTOR	[M]
IC402	C0JBAS000176	IC SELECTOR	[M]
IC451	C0ABBB000125	IC OP AMP	[M]
IC452	C0ABBB000102	IC OP AMP	[M]
IC453	C0ABBB000102	IC OP AMP	[M]
IC454	C0ABBB000125	IC OP AMP	[M]
IC455	C0ABBB000102	IC OP AMP	[M]
IC456	C0ABBB000102	IC OP AMP	[M]
IC457	C0ABBB000125	IC OP AMP	[M]
IC458	C0ABBB000102	IC OP AMP	[M]
IC459	C0ABBB000102	IC OP AMP	[M]
IC460	C0ABBB000125	IC OP AMP	[M]
IC551	C0JBAB000536	IC INVERTER	[M]
IC701	C5HABZZ00125	IC POWER SUPPLY	[M]
IC702	C0EAS0000032	IC VOLTAGE DETECTOR	[M]
IC703	C0ABBA000073	IC OP AMP	[M]
IC731	C0DACZZ00007	IC CURRENT MODE CONTROLLER	[M]
IC732	C0CBADC00042	IC DC-DC CONVERTER	[M]
IC781	C0DBCMM00001	IC POWER SUPPLY	[M]
IC901	C0HBB0000040	IC FL DRIVER	[M]
IC951	C0JBAQ000073	IC SERIAL I/O	[M]
IC952	C0JBAQ000073	IC SERIAL I/O	[M]
IC1001	C3FBLD000136	IC OCTAL BUFFERS/DRIVERS WITH 3-STATE O/P	[M]
IC1002	C0JBAB000371	IC TRIPLE INVERTER	[M]
IC1003	C0JBAB000423	IC INVERTER	[M]
IC1004	C0JBAR000308	IC LOGIC	[M]
IC1005	C0JBAF000367	IC LOGIC	[M]
IC1006	C2HBZZ000013	IC DSP	[M]
IC1007	C1BB00000692	IC DIGITAL AUDIO INTERFACE TRANSCIEVER	[M]
IC1008	C0JBAR000308	IC LOGIC	[M]
IC1009	C0FBAK000011	IC MULTI-BIT AUDIO A/D CONVERTER	[M]
IC1010	C0JBAZ001466	IC OCTAL BUFFERS/DRIVERS WITH 3-STATE O/P	[M]
IC1011	C0JBAZ001437	IC OCTAL BUFFERS/DRIVERS WITH 3-STATE O/P	[M]
IC1013	C0FBAK000011	IC MULTI-BIT AUDIO A/D CONVERTER	[M]
IC1014	C2BBGF000566	IC MICROPROCESSOR	[M]
IC1015	C1BB00000672	IC MULTI-BIT AUDIO A/D CONVERTER	[M]
IC1016	C0JBAZ001466	IC OCTAL BUFFERS/DRIVERS	[M]
IC1018	C0JBAZ001466	IC OCTAL BUFFERS/DRIVERS	[M]
IC2001	C1AB00001976	IC HDMI RX	[M]
IC2002	C1AB00001944	IC HDMI TX	[M]
IC2003	C2CBKJ000099	IC CPU	[M]
IC2004	C0DBFFG00004	IC REGULATOR	[M]
IC2005	C1BB00000692	IC DIR	[M]
IC2006	C0ZBZ0001001	IC BUFFER	[M]
IC2007	C0JBAK000204	IC CMOS	[M]
IC2008	C0JBAZ001437	IC BUS DRIVER	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
IC2009	C0JBAZ001466	IC OCTAL BUFFERS/DRIVERS	[M]
IC2010	C3EBEC000047	IC EEPROM (NOT SUPPLIED)	[M]
IC2011	C3EBEC000047	IC EEPROM (NOT SUPPLIED)	[M]
IC6101	C1BZ00002419	IC HI-BRIDGE DRIVER	[M]
IC6102	C1BZ00002419	IC HI-BRIDGE DRIVER	[M]
IC6201	C1BZ00002419	IC HI-BRIDGE DRIVER	[M]
IC6202	C1BZ00002419	IC HI-BRIDGE DRIVER	[M]
IC6701	C0DBZZF00001	IC REGULATOR	[M]
IC6702	C0CBABG00006	IC 3.3V REGULATOR	[M]
IC6703	C0CBAKG00004	IC REGULATOR	[M]
IC6801	C1BB00000834	IC 6CH PWM PROCESSOR	[M]
IC6802	C0JBAA000244	IC NAND GATE	[M]
IC6803	C0JBAB000202	IC CHIP GATE	[M]
IC6804	C0FBBK000038	IC D/A CONVERTER	[M]
IC6806	C0AABB000054	IC OP AMP	[M]
IC6807	C0AABB000054	IC OP AMP	[M]
IC6808	C0JBAA000244	IC NAND GATE	[M]
IC6809	C0JBAA000244	IC NAND GATE	[M]
IC6810	C0JBAA000244	IC NAND GATE	[M]
IC6812	C1BB00000835	IC DIGITAL AMP POWER STORAGE CONTROLLER	[M]
IC6813	C1BB00000835	IC DIGITAL AMP POWER STORAGE CONTROLLER	[M]
IC6817	C0BBCA000040	IC QUAD COMPARATOR	[M]
IC6901	C2BBGF000565	IC MICROPROCESSOR	[M]
		TRANSISTORS	
Q101	2SD592AQRSTA	TRANSISTOR	[M]
Q102	2SD592AQRSTA	TRANSISTOR	[M]
Q301	2SD592AQRSTA	TRANSISTOR	[M]
Q302	2SB0621AHA	TRANSISTOR	[M]
Q341	2SC3311ARA	TRANSISTOR	[M]
Q343	2SC3311ARA	TRANSISTOR	[M]
Q351	2SK2880CTA	TRANSISTOR	[M]
Q352	2SK2880CTA	TRANSISTOR	[M]
Q399	B1GBCFJA0002	TRANSISTOR	[M]
Q451	B1GFGCAA0001	TRANSISTOR	[M]
Q452	B1GDCFJJ0008	TRANSISTOR	[M]
Q453	B1GFGCAA0001	TRANSISTOR	[M]
Q454	UNR211500L	TRANSISTOR	[M]
Q455	B1GFGCAA0001	TRANSISTOR	[M]
Q457	B1GFGCAA0001	TRANSISTOR	[M]
Q458	UNR211500L	TRANSISTOR	[M]
Q459	UNR211500L	TRANSISTOR	[M]
Q566	B1ABEC000005	TRANSISTOR	[M]
Q701	B1BACJ000005	TRANSISTOR	[M]
Q702	B1ABCF000011	TRANSISTOR	[M]
Q703	B1ABCF000011	TRANSISTOR	[M]
Q704	2SA1037AKSTX	TRANSISTOR	[M]
Q705	2SA1037AKSTX	TRANSISTOR	[M]
Q721	RVTDTCL14EST	TRANSISTOR	[M]
Q722	RVTDTCL14EST	TRANSISTOR	[M]
Q723	B1AAGC000006	TRANSISTOR	[M]
Q724	2SC3940ARA	TRANSISTOR	[M]
Q731	B1DEGL000004	TRANSISTOR	[M]
Q732	B1ABCF000011	TRANSISTOR	[M]
Q733	B1GBCFJA0002	TRANSISTOR	[M]
Q734	2SB0621AHA	TRANSISTOR	[M]
Q735	B1ABCF000011	TRANSISTOR	[M]
Q881	B1AAGC000006	TRANSISTOR	[M]
Q882	B1AAGC000006	TRANSISTOR	[M]
Q883	B1AAGC000006	TRANSISTOR	[M]
Q901	B1GCCFJJ0008	TRANSISTOR	[M]
Q902	B1GACFJN0007	TRANSISTOR	[M]
Q1001	B1GDCFJN0001	TRANSISTOR	[M]
Q1002	B1GBCFJJ0007	TRANSISTOR	[M]
Q2003	B1GBCFJJ0007	TRANSISTOR	[M]
Q2006	B1ABCF000079	TRANSISTOR	[M]
Q2007	B1CBGD000001	TRANSISTOR	[M]
Q2008	B1CBGD000001	TRANSISTOR	[M]
Q2009	B1CBGD000001	TRANSISTOR	[M]
Q2010	B1CBGD000001	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
Q2011	B1CBGD000001	TRANSISTOR	[M]
Q2012	B1CBGD000001	TRANSISTOR	[M]
Q2013	B1GBCFJJ0007	TRANSISTOR	[M]
Q2016	B1GBCFJJ0007	TRANSISTOR	[M]
Q2017	B1GBCFJJ0007	TRANSISTOR	[M]
Q2018	B1ADNC000005	TRANSISTOR	[M]
Q2019	B1GBCFJJ0007	TRANSISTOR	[M]
Q6101	B1DEGF000001	TRANSISTOR	[M]
Q6102	B1DEGF000001	TRANSISTOR	[M]
Q6103	B1DEGF000001	TRANSISTOR	[M]
Q6104	B1DEGF000001	TRANSISTOR	[M]
Q6105	B1ABDB000029	TRANSISTOR	[M]
Q6106	B1ABDB000029	TRANSISTOR	[M]
Q6107	B1ABDB000029	TRANSISTOR	[M]
Q6108	B1ABDB000029	TRANSISTOR	[M]
Q6171	B1GBCFQQ0002	TRANSISTOR	[M]
Q6172	B1GBCFQQ0002	TRANSISTOR	[M]
Q6181	B1ABDB000029	TRANSISTOR	[M]
Q6182	B1ABDB000029	TRANSISTOR	[M]
Q6201	B1DEGF000001	TRANSISTOR	[M]
Q6202	B1DEGF000001	TRANSISTOR	[M]
Q6203	B1DEGF000001	TRANSISTOR	[M]
Q6204	B1DEGF000001	TRANSISTOR	[M]
Q6205	B1ABDB000029	TRANSISTOR	[M]
Q6206	B1ABDB000029	TRANSISTOR	[M]
Q6207	B1ABDB000029	TRANSISTOR	[M]
Q6208	B1ABDB000029	TRANSISTOR	[M]
Q6271	B1GBCFQQ0002	TRANSISTOR	[M]
Q6272	B1GBCFQQ0002	TRANSISTOR	[M]
Q6281	B1ABDB000029	TRANSISTOR	[M]
Q6282	B1ABDB000029	TRANSISTOR	[M]
Q6301	B1DEGF000001	TRANSISTOR	[M]
Q6302	B1DEGF000001	TRANSISTOR	[M]
Q6303	B1DEGF000001	TRANSISTOR	[M]
Q6304	B1DEGF000001	TRANSISTOR	[M]
Q6371	B1GBCFQQ0002	TRANSISTOR	[M]
Q6372	B1GBCFQQ0002	TRANSISTOR	[M]
Q6401	B1DEGF000001	TRANSISTOR	[M]
Q6402	B1DEGF000001	TRANSISTOR	[M]
Q6403	B1DEGF000001	TRANSISTOR	[M]
Q6404	B1DEGF000001	TRANSISTOR	[M]
Q6471	B1GBCFQQ0002	TRANSISTOR	[M]
Q6472	B1GBCFQQ0002	TRANSISTOR	[M]
Q6501	B1DEGF000001	TRANSISTOR	[M]
Q6502	B1DEGF000001	TRANSISTOR	[M]
Q6503	B1DEGF000001	TRANSISTOR	[M]
Q6504	B1DEGF000001	TRANSISTOR	[M]
Q6571	B1GBCFQQ0002	TRANSISTOR	[M]
Q6572	B1GBCFQQ0002	TRANSISTOR	[M]
Q6601	B1DEGF000001	TRANSISTOR	[M]
Q6602	B1DEGF000001	TRANSISTOR	[M]
Q6603	B1DEGF000001	TRANSISTOR	[M]
Q6604	B1DEGF000001	TRANSISTOR	[M]
Q6671	B1GBCFQQ0002	TRANSISTOR	[M]
Q6672	B1GBCFQQ0002	TRANSISTOR	[M]
Q6701	B1ABCF000079	TRANSISTOR	[M]
Q6702	B1ADMD000001	TRANSISTOR	[M]
Q6703	B1GDCFJJ0008	TRANSISTOR	[M]
Q6801	B1CBGD000001	TRANSISTOR	[M]
Q6802	B1CBGD000001	TRANSISTOR	[M]
Q6803	B1GBCFJJ0007	TRANSISTOR	[M]
Q6804	B1GDCFJJ0008	TRANSISTOR	[M]
Q6805	B1GDCFJJ0008	TRANSISTOR	[M]
Q6806	B1GBCFJJ0007	TRANSISTOR	[M]
Q6807	B1ABCF000079	TRANSISTOR	[M]
Q6808	B1ABCF000079	TRANSISTOR	[M]
Q6809	B1ABCF000079	TRANSISTOR	[M]
Q6810	B1CBGD000001	TRANSISTOR	[M]
Q6811	B1GBCFQQ0002	TRANSISTOR	[M]
Q6851	B1GDCFJJ0008	TRANSISTOR	[M]
Q6852	B1GDCFJJ0008	TRANSISTOR	[M]
Q6861	B1GDCFJJ0008	TRANSISTOR	[M]
Q6862	B1GDCFJJ0008	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
Q6871	B1GFGCAA0001	TRANSISTOR	[M]
Q6872	B1GFGCAA0001	TRANSISTOR	[M]
Q6873	B1GFGCAA0001	TRANSISTOR	[M]
Q6901	B1GBCFJN0009	TRANSISTOR	[M]
		DIODES	
D301	MA2J11100L	DIODE	[M]
D302	MA2J11100L	DIODE	[M]
D303	MAZ80560ML	DIODE	[M]
D304	MAZ80560ML	DIODE	[M]
D305	MA2J11100L	DIODE	[M]
D341	MA2J11100L	DIODE	[M]
D342	MA2J11100L	DIODE	[M]
D351	MA2J11100L	DIODE	[M]
D352	MA2J11100L	DIODE	[M]
D361	MA2J11100L	DIODE	[M]
D362	MA2J11100L	DIODE	[M]
D363	MA2J11100L	DIODE	[M]
D535	BOADCJ000020	DIODE	[M]
D701	BOFFAR000001	DIODE	[M]
D702	BOZAZ0000052	DIODE	[M]
D703	BOBA03000015	DIODE	[M]
D704	BOJAME000025	DIODE	[M]
D705	BOHAJL000001	DIODE	[M]
D706	BOHAJL000001	DIODE	[M]
D707	MTZJ39DTA	DIODE	[M]
D708	BOBA01800019	DIODE	[M]
D709	BOAACK000004	DIODE	[M]
D710	BOHAJL000001	DIODE	[M]
D711	BOHASM000005	DIODE	[M]
D713	BOACCK000005	DIODE	[M]
D714	BOACCK000005	DIODE	[M]
D721	1SR35400V	DIODE	[M]
D722	1SR35400V	DIODE	[M]
D723	1SR35400V	DIODE	[M]
D724	1SR35400V	DIODE	[M]
D725	BOBA6R200012	DIODE	[M]
D726	BOBA01500036	DIODE	[M]
D727	BOAACK000004	DIODE	[M]
D728	BOAACK000004	DIODE	[M]
D731	BOHAJL000001	DIODE	[M]
D732	BOJAME000025	DIODE	[M]
D733	BOHANM000012	DIODE	[M]
D734	BOHANM000012	DIODE	[M]
D735	BOHAJL000001	DIODE	[M]
D736	BOHAJL000001	DIODE	[M]
D737	BOHAJL000001	DIODE	[M]
D738	1SR35400V	DIODE	[M]
D739	BOACCK000005	DIODE	[M]
D740	BOBA01800019	DIODE	[M]
D741	BOACCK000005	DIODE	[M]
D742	BOACCK000005	DIODE	[M]
D743	MAZ80560ML	DIODE	[M]
D744	BOACCK000005	DIODE	[M]
D781	BOJCPC000004	DIODE	[M]
D782	BOEAKM000122	DIODE	[M]
D783	BOEAKM000122	DIODE	[M]
D784	BOEAKM000122	DIODE	[M]
D785	BOEAKM000122	DIODE	[M]
D786	BOAACK000004	DIODE	[M]
D881	BOAACK000004	DIODE	[M]
D882	BOAACK000004	DIODE	[M]
D883	BOAACK000004	DIODE	[M]
D884	1SR35400V	DIODE	[M]
D885	1SR35400V	DIODE	[M]
D886	1SR35400V	DIODE	[M]
D901	MAZ80560ML	DIODE	[M]
D902	MA2J11100L	DIODE	[M]
D903	BOJCCE000002	DIODE	[M]
D941	B3ABA0000292	DIODE	[M]
D942	B3ABA0000292	DIODE	[M]
D943	B3ABA0000292	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D944	B3ABA0000292	DIODE	[M]
D945	B3ABA0000292	DIODE	[M]
D946	B3ABA0000292	DIODE	[M]
D947	B3ABA0000292	DIODE	[M]
D949	SLR342VC	DIODE	[M]
D950	SLR342VC	DIODE	[M]
D951	MA2J11100L	DIODE	[M]
D952	SLR342VC	DIODE	[M]
D955	SLR342VC	DIODE	[M]
D956	B3ABA0000292	DIODE	[M]
D957	SLR342VC	DIODE	[M]
D958	B3ABA0000292	DIODE	[M]
D959	MAZ80560ML	DIODE	[M]
D960	MAZ80560ML	DIODE	[M]
D1001	B0ACCK000005	DIODE	[M]
D1002	B0ACCK000005	DIODE	[M]
D1003	B0ACCK000005	DIODE	[M]
D1006	B0ACCK000005	DIODE	[M]
D1007	B0ACCK000005	DIODE	[M]
D1008	B0ACCK000005	DIODE	[M]
D2004	B0ACCK000005	DIODE	[M]
D2005	MA2J72800L	DIODE	[M]
D2104	B0ACCK000005	DIODE	[M]
D2105	MA2J72800L	DIODE	[M]
D2151	B0ACCK000005	DIODE	[M]
D2201	B0ACCK000005	DIODE	[M]
D2204	MA2J72800L	DIODE	[M]
D2205	B0ACCK000005	DIODE	[M]
D2206	B0ACCK000005	DIODE	[M]
D2209	B0ACCK000005	DIODE	[M]
D6101	B0ACCK000005	DIODE	[M]
D6102	B0ACCK000005	DIODE	[M]
D6106	B0ACCK000005	DIODE	[M]
D6201	B0ACCK000005	DIODE	[M]
D6202	B0ACCK000005	DIODE	[M]
D6206	B0ACCK000005	DIODE	[M]
D6303	B0JCGD000004	DIODE	[M]
D6304	B0JCGD000004	DIODE	[M]
D6306	B0ACCK000005	DIODE	[M]
D6403	B0JCGD000004	DIODE	[M]
D6404	B0JCGD000004	DIODE	[M]
D6406	B0ACCK000005	DIODE	[M]
D6503	B0JCGD000004	DIODE	[M]
D6504	B0JCGD000004	DIODE	[M]
D6506	B0ACCK000005	DIODE	[M]
D6603	B0JCGD000004	DIODE	[M]
D6604	B0JCGD000004	DIODE	[M]
D6606	B0ACCK000005	DIODE	[M]
D6701	B0ECKP000002	DIODE	[M]
D6702	MAZ80330HL	DIODE	[M]
D6801	B0ACCK000005	DIODE	[M]
D6802	B0ACCK000005	DIODE	[M]
D6803	B0ACCK000005	DIODE	[M]
D6804	B0ACCK000005	DIODE	[M]
D6805	B0ACCK000005	DIODE	[M]
D6806	B0ACCK000005	DIODE	[M]
D6807	B0ACCK000005	DIODE	[M]
D6808	B0ACCK000005	DIODE	[M]
D6809	B0ACCK000005	DIODE	[M]
D6810	B0ACCK000005	DIODE	[M]
D6811	B0ACCK000005	DIODE	[M]
D6812	B0ACCK000005	DIODE	[M]
D6813	B0ACCK000005	DIODE	[M]
D6814	MAZ80560ML	DIODE	[M]
D6815	B0ACCK000005	DIODE	[M]
D6816	B0ACCK000005	DIODE	[M]
D6817	B0ACCK000005	DIODE	[M]
D6818	B0ACCK000005	DIODE	[M]
D6901	B0ACCE000003	DIODE	[M]
D6902	B0ACCE000003	DIODE	[M]
D6903	B0JCCE000002	DIODE	[M]
D6904	B0ACCK000005	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
		VARIABLE RESISTORS	
VR901	EVEKD2F3024B	ROTARY ENCODER	[M]
VR902	K9AA012A0006	ENCORDER	[M]
		SWITCHES	
S941	EVQ21405RJ	SW POWER	[M]
S961	EVQ21405RJ	SW SPEAKER B	[M]
S962	EVQ21405RJ	SW BASS SYNTHESIZER	[M]
S963	EVQ21405RJ	SW REMASTER	[M]
S964	EVQ21405RJ	SW TUNE UP	[M]
S966	EVQ21405RJ	SW SPEAKER A	[M]
S967	EVQ21405RJ	SW MULTI CONTROL	[M]
S968	EVQ21405RJ	SW 6.1 CH DECODING	[M]
S969	EVQ21405RJ	SW TUNE DOWN	[M]
		CONNECTORS	
CN401	K1MP07A00006	7P CONNECTOR	[M]
CN402A	K1MN21A00008	21P FCC CONNECTOR	[M]
CN402B	K1MN21A00008	21P FCC CONNECTOR	[M]
CN551A	K1MN14A00092	14P FFC CONNECTOR	[M]
CN551B	K1MN14A00047	14P FFC CONNECTOR	[M]
CN601	K1MP04A00007	4P CONNECTOR	[M]
CN602	K1MP08A00003	8P CONNECTOR	[M]
CN603	K1MP03A00009	3P CONNECTOR	[M]
CN604	K1MP08A00003	8P CONNECTOR	[M]
CN605A	K1MN18A00038	18P FFC CONNECTOR	[M]
CN605B	K1MN18A00038	18P FFC CONNECTOR	[M]
CN606	K1MP10A00007	10P CONNECTOR	[M]
CN781	K1MP04A00007	4P CONNECTOR	[M]
CN801	K1MN10A00030	10P CONNECTOR	[M]
CN902	K1MP05A00010	5P CONNECTOR	[M]
CN906	K1KA26A00089	26P CONNECTOR	[M]
CN907	K1KA10A00278	10P CONNECTOR	[M]
CN951A	K1MN15B00057	15P CONNECTOR	[M]
CN951B	K1MN15A00018	15P FFC CONNECTOR	[M]
CN1001	K1KA06B00054	6P CONNECTOR	[M]
CN1002	K1KB26A00027	26P CONNECTOR	[M]
CN1003	K1KB10A00092	10P CONNECTOR	[M]
CN1004	K1KA12B00079	12P CONNECTOR	[M]
CN1005	K1MN10A00030	10P CONNECTOR	[M]
CN1006	K1MN10A00030	10P CONNECTOR	[M]
CN1007	K1MN20A00045	20P CONNECTOR	[M]
CN1007A	K1MN20A00045	20P CONNECTOR	[M]
CN2001	K1MN10A00030	10P CONNECTOR	[M]
CN2002	K1MN10A00030	10P CONNECTOR	[M]
		COILS & TRANSFORMERS	
L101	G0A200D00002	RF CHOKE COIL	[M]
L102	J0JBC0000041	CHIP INDUCTOR	[M]
L103	J0JBC0000041	CHIP INDUCTOR	[M]
L301	J0JBC0000033	CHIP INDUCTOR	[M]
L302	J0JBC0000033	CHIP INDUCTOR	[M]
L303	J0JBC0000033	CHIP INDUCTOR	[M]
L304	J0JBC0000033	CHIP INDUCTOR	[M]
L305	J0JBC0000033	CHIP INDUCTOR	[M]
L316	J0JBC0000033	CHIP INDUCTOR	[M]
L342	J0JBC0000033	CHIP INDUCTOR	[M]
L350	J0JBC0000033	CHIP INDUCTOR	[M]
L351	J0JBC0000033	CHIP INDUCTOR	[M]
L551	RLQZ150M-0	CHOKE COIL	[M]
L552	VLQ0855M1R0T	CHIP INDUCTOR	[M]
L553	VLQ0855M1R0T	CHIP INDUCTOR	[M]
L554	RLQZ150M-0	CHOKE COIL	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
L701	ELF15N050A	COMMON MODE COIL	[M] △
L702	ELF21N015E	COMMON MODE COIL	[M] △
L703	ELF21N015E	COMMON MODE COIL	[M] △
L704	J0JKB0000020	EMI BEAD CORE	[M]
L731	J0JKB0000020	EMI BEAD CORE	[M]
L732	G0A200D00002	RF CHOKE COIL	[M]
L733	G0A200D00002	RF CHOKE COIL	[M]
L734	G0A200D00002	RF CHOKE COIL	[M]
L781	G0A200D00002	RF CHOKE COIL	[M]
L782	G0A101ZA0028	CHOKE COIL	[M]
L961	J0JBC0000014	CHIP COIL	[M]
L962	J0JBC0000014	CHIP COIL	[M]
L963	J0JBC0000014	CHIP COIL	[M]
L964	J0JBC0000014	CHIP COIL	[M]
L965	J0JBC0000014	CHIP COIL	[M]
L966	J0JBC0000014	CHIP COIL	[M]
L967	J0JBC0000014	CHIP COIL	[M]
L968	J0JBC0000014	CHIP COIL	[M]
L969	J0JBC0000014	CHIP COIL	[M]
L970	J0JBC0000014	CHIP COIL	[M]
L971	J0JBC0000014	CHIP COIL	[M]
L972	J0JBC0000014	CHIP COIL	[M]
L973	J0JBC0000014	CHIP COIL	[M]
L974	J0JBC0000014	CHIP COIL	[M]
L975	J0JBC0000014	CHIP COIL	[M]
L991	J0JBC0000014	CHIP COIL	[M]
L992	J0JBC0000014	CHIP COIL	[M]
L993	J0JBC0000014	CHIP COIL	[M]
L1001	G1C2R2K00008	CHIP INDUCTOR	[M]
L1005	G1C2R2K00008	CHIP INDUCTOR	[M]
L1006	G1C2R2K00008	CHIP INDUCTOR	[M]
L1007	G1C2R2K00008	CHIP INDUCTOR	[M]
L1008	G1C2R2K00008	CHIP INDUCTOR	[M]
L1009	G1C2R2K00008	CHIP INDUCTOR	[M]
L1016	G1C2R2K00008	CHIP INDUCTOR	[M]
L1017	G1C2R2K00008	CHIP INDUCTOR	[M]
L1018	G1C2R2K00008	CHIP INDUCTOR	[M]
L2005	G1C2R2K00008	CHIP INDUCTOR	[M]
L2006	G1C2R2K00008	CHIP INDUCTOR	[M]
L2007	G1C2R2K00008	CHIP INDUCTOR	[M]
L2008	G1C2R2K00008	CHIP INDUCTOR	[M]
L2101	J0MAB0000170	CHIP MODE FILTER	[M]
L2102	J0MAB0000170	CHIP MODE FILTER	[M]
L2103	J0MAB0000170	CHIP MODE FILTER	[M]
L2104	J0MAB0000170	CHIP MODE FILTER	[M]
L2105	G1C2R2K00008	CHIP INDUCTOR	[M]
L2106	G1C2R2K00008	CHIP INDUCTOR	[M]
L2107	G1C2R2K00008	CHIP INDUCTOR	[M]
L2151	G1C2R2K00008	CHIP INDUCTOR	[M]
L2152	G1C2R2K00008	CHIP INDUCTOR	[M]
L2201	G1C2R2K00008	CHIP INDUCTOR	[M]
L6101	G0C7R0K00002	TROIDAL COIL	[M]
L6102	G0C7R0K00002	TROIDAL COIL	[M]
L6103	G0C50NZ00001	COIL	[M]
L6104	G0C50NZ00001	COIL	[M]
L6201	G0C7R0K00002	TROIDAL COIL	[M]
L6202	G0C7R0K00002	TROIDAL COIL	[M]
L6203	G0C50NZ00001	COIL	[M]
L6204	G0C50NZ00001	COIL	[M]
L6301	G0C7R0K00002	TROIDAL COIL	[M]
L6302	G0C7R0K00002	TROIDAL COIL	[M]
L6303	G0C50NZ00001	COIL	[M]
L6304	G0C50NZ00001	COIL	[M]
L6401	G0C7R0K00002	TROIDAL COIL	[M]
L6402	G0C7R0K00002	TROIDAL COIL	[M]
L6403	G0C50NZ00001	COIL	[M]
L6404	G0C50NZ00001	COIL	[M]
L6501	G0C7R0K00002	TROIDAL COIL	[M]
L6502	G0C7R0K00002	TROIDAL COIL	[M]
L6503	G0C50NZ00001	COIL	[M]
L6504	G0C50NZ00001	COIL	[M]
L6601	G0C7R0K00002	TROIDAL COIL	[M]
L6602	G0C7R0K00002	TROIDAL COIL	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
L6603	G0C50NZ00001	COIL	[M]
L6604	G0C50NZ00001	COIL	[M]
L6801	G1C4R7M00022	CHIP COIL	[M]
T701	ETS48AA146AD	SW TRANSFORMER	[M] △
T721	ETP35KJZ61BA	BACK UP TRANSFORMER	[M] △
T731	ETS28AU2C9AC	SUB SWITCHING TRANSF	[M] △
		COMPONENT COMBINATIONS	
Z701	ERZV10V511CS	ZENER	[M] △
Z901	B3RAB0000013	REMOTE SENSOR	[M]
Z1001	ERJ3GEY0R00Z	0 1/16W	[M]
Z1002	ERJ3GEY0R00Z	0 1/16W	[M]
Z1003	D0GB101JA007	100 1/16W	[M]
Z1004	D0GB101JA007	100 1/16W	[M]
Z1005	D0GB101JA007	100 1/16W	[M]
Z1006	D0GB101JA007	100 1/16W	[M]
Z1007	J0JCC0000119	FERRITE BEAD	[M]
Z1008	J0JCC0000119	FERRITE BEAD	[M]
Z1009	J0JCC0000119	FERRITE BEAD	[M]
Z1010	J0JCC0000119	FERRITE BEAD	[M]
Z1011	J0JCC0000119	FERRITE BEAD	[M]
Z1012	J0JCC0000119	FERRITE BEAD	[M]
Z1013	J0JCC0000119	FERRITE BEAD	[M]
Z1014	J0JCC0000119	FERRITE BEAD	[M]
Z1019	D0GB100JA007	100 1/16W	[M] EB E
Z2001	J0JCC0000119	FERRITE BEAD	[M]
Z2002	J0JCC0000119	FERRITE BEAD	[M]
Z2003	J0JCC0000119	FERRITE BEAD	[M]
Z2004	J0JCC0000119	FERRITE BEAD	[M]
Z2006	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2007	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2008	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2009	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2010	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2011	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2012	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2013	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2015	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2016	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2017	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2018	J0JCC0000077	FERRITE BEAD	[M]
Z2019	J0JCC0000077	FERRITE BEAD	[M]
Z2020	J0JCC0000077	FERRITE BEAD	[M]
Z2021	J0JCC0000077	FERRITE BEAD	[M]
Z2102	J0JCC0000119	FERRITE BEAD	[M]
Z2103	J0JCC0000119	FERRITE BEAD	[M]
Z2104	J0JCC0000119	FERRITE BEAD	[M]
Z2105	J0JCC0000119	FERRITE BEAD	[M]
Z2106	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2107	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2108	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2109	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2110	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2111	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2112	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2113	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2115	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2116	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2117	EZJZ0V80008B	CHIP VARISTOR	[M]
Z2201	J0JHC0000012	FERRITE BEAD	[M]
Z2202	J0JHC0000012	FERRITE BEAD	[M]
Z2203	J0JHC0000012	FERRITE BEAD	[M]
Z2204	J0JCC0000078	FERRITE BEAD	[M]
Z2205	J0JCC0000078	FERRITE BEAD	[M]
Z2206	J0JCC0000078	FERRITE BEAD	[M]
Z2208	J0JCC0000119	FERRITE BEAD	[M]
Z6701	J0JGC0000017	FERRITE BEAD	[M]
Z6702	J0JGC0000017	FERRITE BEAD	[M]
Z6703	J0JGC0000017	FERRITE BEAD	[M]
Z6901	J0JBC0000014	CHIP COIL	[M]
Z6902	J0JBC0000014	CHIP COIL	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
Z6903	J0JBC0000014	CHIP COIL	[M]
Z6904	J0JBC0000014	CHIP COIL	[M]
Z6905	J0JBC0000014	CHIP COIL	[M]
Z6906	J0JBC0000014	CHIP COIL	[M]
Z6907	J0JBC0000014	CHIP COIL	[M]
Z6908	J0JBC0000014	CHIP COIL	[M]
Z6909	J0JBC0000014	CHIP COIL	[M]
Z6910	J0JBC0000014	CHIP COIL	[M]
Z6911	J0JBC0000014	CHIP COIL	[M]
Z6912	J0JBC0000014	CHIP COIL	[M]
Z6913	J0JBC0000014	CHIP COIL	[M]
Z6914	J0JBC0000014	CHIP COIL	[M]
HS601	RXX0265	DIG HEAT SINK UNIT	[M]
HS701	RMY0316	POWER HEAT SINK	[M]
HS702	RXX0266	DD HEAT SINK UNIT	[M]
PC701	B3PAA0000175	OPTICAL COUPLER	[M] △
		CERAMIC FILTERS	
CF1001	H2D163500001	CERAMIC RESONATOR	[M]
CF2001	H2D400400018	CHIP OSCILLATOR	[M]
		RELAYS	
RLY601	RSY0017M-0	RELAY	[M]
RLY602	RSY0017M-0	RELAY	[M]
RLY603	K6B2CGA000086	SPEAKER RELAY	[M]
RLY604	K6B2CGA000086	SPEAKER RELAY	[M]
RLY721	K6B1AEA000003	POWER RELAY	[M] △
		OSCILLATORS	
X101	H0H433400001	CRYSTAL OSCILLATOR	[M]
X341	H0H177500009	QUARTZ CRYSTAL	[M]
X1001	H0J245500035	CRYSTAL OSCILLATOR	[M]
X1002	H0J240500015	CRYSTAL OSCILLATOR	[M]
X2001	H0J270500064	CRYSTAL	[M]
X2002	H0J122200001	CYRSTAL	[M]
X6901	H2D100500004	CHIP RESONATOR	[M]
		DISPLAY TUBE	
FL901	A2BB00000123	FL DISPLAY	[M]
		FUSE	
F701	K5D402BL0001	FUSE	[M] △
		FUSE HOLDERS	
FC701	EYF52BC	FUSE HOLDER	[M]
FC702	EYF52BC	FUSE HOLDER	[M]
		FUSE PROTECTOR	
FP701	K5G102AA0002	FUSE PROTECTOR	[M] △
		THERMISTOR	
TH701	D4CAC8R000002	POWER THERMISTOR	[M]
TH6801	D4CA33030001	THERMISTOR	[M]
		JACKS	
JK301	K2HA408B00070	JK 4P RCA	[M]
JK302	K2HA102B00079	JK 1P RCA	[M]
JK321	K2HA606A00005	JK 6P RCA	[M]
JK330	K2HA303B00031	JK 3P RCA	[M]
JK361	K2HA404B00008	JK 2P S-VIDEO	[M]
JK362	K2HA404B00007	JK 2P S-VIDEO	[M]
JK363	K1CB104A00016	JK S-VIDEO	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
JK401	K2HA408B00071	JK 4P RCA	[M]
JK402	K2HA408B00071	JK 4P RCA	[M]
JK403	K2HA408B00071	JK 4P RCA	[M]
JK404	K2HA606A00006	JK 6P RCA	[M]
JK552	B3RAA00000003	JK OPTICAL TRANSMIT.	[M]
JK553	B3RAB00000019	JK OPTICAL RECEIVER	[M]
JK554	B3RAB00000019	JK OPTICAL RECEIVER	[M]
JK556	K2HA204B0146	JK 2P RCA	[M]
JK601	K4BB04B000002	JK SPEAKER TERMINAL	[M]
JK602	K4BC04B000051	JK SPEAKER	[M]
JK603	K4BC04B000051	JK SPEAKER	[M]
JK604	K4BB04B000004	JK 4P SPEAKER	[M]
JK701	K2AA2B0000004	JK AC INLET	[M] △
JK2001	K1FA119E00001	JK HDMI TERMINAL	[M]
JK2003	K1FA119E00001	JK HDMI TERMINAL	[M]
HP601	K2HB103J0064	HP JACK	[M]
		EARTH TERMINAL	
E701	SNE1004-2	EARTH TERMINAL	[M]
		WIRE	
W101A	RWJ1111090RR	11P WIRE (W101B)	[M]
W401	RWJ1807090SQ	7P WIRE (POWER-O/I)	[M]
W404	REX1183	11P WIRE	[M]
W601	RWJ1804200SQ	4P (POWER-MAIN)	[M]
W602	RWJ1808280SQ	8P (POWER-MAIN)	[M]
W603	RWJ1803070SQ	3P (PANEL-MAIN)	[M]
W604	RWJ1808100SQ	8P WIRE	[M]
W606	RWJ1810120SQ	10P (POWER-MAIN)	[M]
W781	RWJ1804440SQ	4P (POWER-HDMI)	[M]
W901A	RWJ1806150SS	6P (PANEL-PANEL) (W901B)	[M]
W902	RWJ1805160SQ	5P (PANEL-POWER)	[M]
W991	REX1199	WIRE	[M]
W993	REX1199	WIRE	[M]
W1001	REX1193	6P SHIELD WIRE	[M]
W1004	REX1192	12P SHIELD WIRE	[M]
PL601	RSC0669	SP EARTH R	[M]
PL602	RSC0668	SP EARTH L	[M]
PL901	RSC0734	PANEL EARTH PLATE	[M]
		RESISTORS	
R101	D0GB222JA041	2.2K 1/16W	[M]
R102	D0GB392JA041	3.9K 1/16W	[M]
R103	D0GB473JA041	47K 1/16W	[M]
R104	D0GB473JA041	47K 1/16W	[M]
R105	ERJ3GEYJ102V	1K 1/16W	[M]
R106	ERJ3GEYJ102V	1K 1/16W	[M]
R107	ERJ3GEYJ102V	1K 1/16W	[M]
R108	D0GB104JA007	100K 1/16W	[M]
R109	D0GB104JA007	100K 1/16W	[M]
R111	ERDS1FVJ560T	56 1/2W	[M]
R112	ERDS1FVJ560T	56 1/2W	[M]
R113	D0AF180JA039	18 1/4W	[M]
R114	D0AF180JA039	18 1/4W	[M]
R115	D0AF180JA039	18 1/4W	[M]
R116	ERDS1FVJ390T	39 1/2W	[M]
R117	ERDS1FVJ390T	39 1/2W	[M]
R301	ERJ3GEYJ750V	75 1/16W	[M]
R302	ERJ3GEYJ750V	75 1/16W	[M]
R303	ERJ3GEYJ750V	75 1/16W	[M]
R304	ERJ3GEYJ750V	75 1/16W	[M]
R305	ERJ3GEYJ750V	75 1/16W	[M]
R306	ERJ3GEYJ103V	10K 1/16W	[M]
R307	ERJ3GEYJ103V	10K 1/16W	[M]
R308	ERJ3GEYJ103V	10K 1/16W	[M]
R309	ERJ3GEYJ102V	1K 1/16W	[M]
R310	ERJ3GEYJ102V	1K 1/16W	[M]
R311	D0GB182JA007	1.8K 1/16W	[M]
R312	D0GB182JA007	1.8K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R313	ERJ3GEYJ750V	75 1/16W	[M]
R314	ERJ3GEYJ103V	10K 1/16W	[M]
R315	ERJ3GEYJ750V	75 1/16W	[M]
R316	ERJ3GEYJ102V	1K 1/16W	[M]
R317	ERJ3GEYJ102V	1K 1/16W	[M]
R318	ERJ3GEYJ102V	1K 1/16W	[M]
R320	ERJ3GEYJ102V	1K 1/16W	[M]
R321	ERJ3GEYJ750V	75 1/16W	[M]
R322	ERJ3GEYJ750V	75 1/16W	[M]
R323	ERJ3GEYJ750V	75 1/16W	[M]
R324	ERJ3GEYJ750V	75 1/16W	[M]
R325	ERJ3GEYJ750V	75 1/16W	[M]
R326	ERJ3GEYJ750V	75 1/16W	[M]
R327	ERJ3GEYJ750V	75 1/16W	[M]
R328	ERJ3GEYJ750V	75 1/16W	[M]
R329	ERJ3GEYJ750V	75 1/16W	[M]
R330	ERJ3GEYJ102V	1K 1/16W	[M]
R331	ERJ3GEYJ102V	1K 1/16W	[M]
R332	ERJ3GEYJ102V	1K 1/16W	[M]
R333	DOGB332JA007	3.3K 1/16W	[M]
R334	DOGB392JA041	3.9K 1/16W	[M]
R335	DOGB473JA041	47K 1/16W	[M]
R341	DOGB101JA007	100 1/16W	[M]
R345	DOGB332JA007	3.3K 1/16W	[M]
R346	DOGB332JA007	3.3K 1/16W	[M]
R347	DOGB332JA007	3.3K 1/16W	[M]
R348	ERJ3GEYJ103V	10K 1/16W	[M]
R349	DOGB470JA008	47 1/16W	[M]
R350	DOGB471JA041	470 1/16W	[M]
R353	ERJ3GEYJ680V	68 1/16W	[M]
R354	DOGB221JA041	220 1/16W	[M]
R355	DOGB104JA007	100K 1/16W	[M]
R356	DOGB472JA041	4.7K 1/16W	[M]
R357	DOGB392JA041	3.9K 1/16W	[M]
R358	DOGB471JA041	470 1/16W	[M]
R361	ERJ3GEYJ750V	75 1/16W	[M]
R362	ERJ3GEYJ750V	75 1/16W	[M]
R363	ERJ3GEYJ750V	75 1/16W	[M]
R364	DOGB104JA007	100K 1/16W	[M]
R365	DOGB104JA007	100K 1/16W	[M]
R366	DOGB104JA007	100K 1/16W	[M]
R367	ERJ3GEYJ750V	75 1/16W	[M]
R368	ERJ3GEYJ750V	75 1/16W	[M]
R369	ERJ3GEYJ103V	10K 1/16W	[M]
R370	ERJ3GEYJ103V	10K 1/16W	[M]
R371	ERJ3GEYJ103V	10K 1/16W	[M]
R372	ERJ3GEYJ750V	75 1/16W	[M]
R373	ERJ3GEYJ750V	75 1/16W	[M]
R374	ERJ3GEYJ750V	75 1/16W	[M]
R375	ERJ3GEYJ750V	75 1/16W	[M]
R376	ERJ3GEYJ750V	75 1/16W	[M]
R377	ERJ3GEYJ102V	1K 1/16W	[M]
R378	ERJ3GEYJ102V	1K 1/16W	[M]
R379	ERJ3GEYJ750V	75 1/16W	[M]
R380	ERJ3GEYJ750V	75 1/16W	[M]
R386	ERJ3GEYJ750V	75 1/16W	[M]
R387	DOGB104JA007	100K 1/16W	[M]
R388	ERJ3GEYJ103V	10K 1/16W	[M]
R389	ERJ3GEYJ750V	75 1/16W	[M]
R390	ERJ3GEYJ102V	1K 1/16W	[M]
R399	DOGB473JA041	47K 1/16W	[M]
R401	ERJ3GEYJ102V	1K 1/16W	[M]
R402	ERJ3GEYJ102V	1K 1/16W	[M]
R403	ERJ3GEYJ102V	1K 1/16W	[M]
R404	ERJ3GEYJ102V	1K 1/16W	[M]
R405	ERJ3GEYJ102V	1K 1/16W	[M]
R406	ERJ3GEYJ102V	1K 1/16W	[M]
R407	ERJ3GEYJ102V	1K 1/16W	[M]
R408	ERJ3GEYJ102V	1K 1/16W	[M]
R409	ERJ3GEYJ102V	1K 1/16W	[M]
R410	ERJ3GEYJ102V	1K 1/16W	[M]
R411	ERJ3GEYJ102V	1K 1/16W	[M]
R412	ERJ3GEYJ102V	1K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R413	ERJ3GEYJ102V	1K 1/16W	[M]
R414	ERJ3GEYJ102V	1K 1/16W	[M]
R415	ERJ3GEYJ102V	1K 1/16W	[M]
R416	ERJ3GEYJ102V	1K 1/16W	[M]
R417	ERJ3GEYJ102V	1K 1/16W	[M]
R418	ERJ3GEYJ102V	1K 1/16W	[M]
R419	ERJ3GEYJ102V	1K 1/16W	[M]
R420	ERJ3GEYJ103V	10K 1/16W	[M]
R421	ERJ3GEYJ103V	10K 1/16W	[M]
R422	ERJ3GEYJ103V	10K 1/16W	[M]
R423	ERJ3GEYJ103V	10K 1/16W	[M]
R424	ERJ3GEYJ103V	10K 1/16W	[M]
R425	ERJ3GEYJ103V	10K 1/16W	[M]
R451	ERJ3GEYJ102V	1K 1/16W	[M]
R452	ERJ3GEYJ102V	1K 1/16W	[M]
R453	DOGB104JA007	100K 1/16W	[M]
R454	DOGB104JA007	100K 1/16W	[M]
R455	DOGB473JA041	47K 1/16W	[M]
R456	DOGB473JA041	47K 1/16W	[M]
R457	DOGB332JA007	3.3K 1/16W	[M]
R458	DOGB332JA007	3.3K 1/16W	[M]
R459	DOGB182JA007	1.8K 1/16W	[M]
R460	DOGB182JA007	1.8K 1/16W	[M]
R461	DOGB104JA007	100K 1/16W	[M]
R465	ERJ3GEYJ822V	8.2K 1/16W	[M]
R466	ERJ3GEYJ822V	8.2K 1/16W	[M]
R467	DOGB472JA041	4.7K 1/16W	[M]
R468	DOGB472JA041	4.7K 1/16W	[M]
R469	ERJ3GEYJ103V	10K 1/16W	[M]
R470	ERJ3GEYJ103V	10K 1/16W	[M]
R471	ERJ3GEYJ103V	10K 1/16W	[M]
R472	ERJ3GEYJ103V	10K 1/16W	[M]
R473	ERJ3GEYJ103V	10K 1/16W	[M]
R474	ERJ3GEYJ103V	10K 1/16W	[M]
R475	ERJ3GEYJ102V	1K 1/16W	[M]
R476	ERJ3GEYJ102V	1K 1/16W	[M]
R477	DOGB104JA007	100K 1/16W	[M]
R478	DOGB104JA007	100K 1/16W	[M]
R479	DOGB473JA041	47K 1/16W	[M]
R480	DOGB473JA041	47K 1/16W	[M]
R481	DOGB332JA007	3.3K 1/16W	[M]
R482	DOGB332JA007	3.3K 1/16W	[M]
R483	DOGB182JA007	1.8K 1/16W	[M]
R484	DOGB182JA007	1.8K 1/16W	[M]
R485	ERJ3GEYJ102V	1K 1/16W	[M]
R486	ERJ3GEYJ824V	820K 1/16W	[M]
R487	ERJ3GEYJ564V	560K 1/16W	[M]
R488	DOGB222JA041	2.2K 1/16W	[M]
R489	ERJ3GEYJ822V	8.2K 1/16W	[M]
R490	ERJ3GEYJ822V	8.2K 1/16W	[M]
R491	DOGB472JA041	4.7K 1/16W	[M]
R492	DOGB472JA041	4.7K 1/16W	[M]
R493	ERJ3GEYJ103V	10K 1/16W	[M]
R494	ERJ3GEYJ103V	10K 1/16W	[M]
R495	ERJ3GEYJ103V	10K 1/16W	[M]
R496	ERJ3GEYJ103V	10K 1/16W	[M]
R497	ERJ3GEYJ103V	10K 1/16W	[M]
R498	ERJ3GEYJ103V	10K 1/16W	[M]
R499	ERJ3GEYJ102V	1K 1/16W	[M]
R500	ERJ3GEYJ102V	1K 1/16W	[M]
R501	DOGB104JA007	100K 1/16W	[M]
R502	DOGB104JA007	100K 1/16W	[M]
R503	DOGB473JA041	47K 1/16W	[M]
R504	DOGB473JA041	47K 1/16W	[M]
R505	DOGB332JA007	3.3K 1/16W	[M]
R506	DOGB332JA007	3.3K 1/16W	[M]
R507	DOGB182JA007	1.8K 1/16W	[M]
R508	DOGB182JA007	1.8K 1/16W	[M]
R513	ERJ3GEYJ822V	8.2K 1/16W	[M]
R514	ERJ3GEYJ822V	8.2K 1/16W	[M]
R515	DOGB472JA041	4.7K 1/16W	[M]
R516	DOGB472JA041	4.7K 1/16W	[M]
R517	ERJ3GEYJ103V	10K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R518	ERJ3GEYJ103V	10K 1/16W	[M]
R519	ERJ3GEYJ103V	10K 1/16W	[M]
R520	ERJ3GEYJ103V	10K 1/16W	[M]
R521	ERJ3GEYJ103V	10K 1/16W	[M]
R522	ERJ3GEYJ103V	10K 1/16W	[M]
R523	ERJ3GEYJ102V	1K 1/16W	[M]
R524	ERJ3GEYJ102V	1K 1/16W	[M]
R525	D0GB104JA007	100K 1/16W	[M]
R526	D0GB104JA007	100K 1/16W	[M]
R527	D0GB473JA041	47K 1/16W	[M]
R528	D0GB473JA041	47K 1/16W	[M]
R529	D0GB332JA007	3.3K 1/16W	[M]
R530	D0GB332JA007	3.3K 1/16W	[M]
R531	D0GB473JA041	47K 1/16W	[M]
R532	D0GB473JA041	47K 1/16W	[M]
R533	ERJ3GEYJ564V	560K 1/16W	[M]
R534	D0GB222JA041	2.2K 1/16W	[M]
R546	D0GB4R7JA007	4.7 1/16W	[M]
R547	ERJ3GEYJ824V	820K 1/16W	[M]
R548	ERJ3GEYJ102V	1K 1/16W	[M]
R549	D0GB4R7JA007	4.7 1/16W	[M]
R551	D0GB470JA008	47 1/16W	[M]
R552	D0GB470JA008	47 1/16W	[M]
R554	ERJ3GEYJ750V	75 1/16W	[M]
R557	ERJ3GEYJ103V	10K 1/16W	[M]
R558	ERJ3GEYJ103V	10K 1/16W	[M]
R559	ERJ3GEYJ750V	75 1/16W	[M]
R560	ERJ3GEYJ103V	10K 1/16W	[M]
R561	ERJ3GEYJ103V	10K 1/16W	[M]
R566	ERG3SJ470P	47 3W	[M]
R567	ERG3SJ470P	47 3W	[M]
R568	D0GB152JA007	1.5K 1/16W	[M]
R596	ERJ3GEYJ102V	1K 1/16W	[M]
R597	ERJ3GEYJ102V	1K 1/16W	[M]
R598	ERJ3GEYJ102V	1K 1/16W	[M]
R599	ERJ3GEYJ102V	1K 1/16W	[M]
R600	D0GB100JA007	10 1/16W	[M]
R601	ERJ3GEYJ103V	10K 1/16W	[M]
R702	ERG2SJ683P	68K 2W	[M]
R703	ERDS2TJ681T	680 1/4W	[M]
R704	ERX2LJ68MP	0.68 2W	[M]
R706	D0AE104JA048	100K 1/4W	[M]
R707	D0AE104JA048	100K 1/4W	[M]
R708	ERDS2TJ332T	3.3K 1/4W	[M]
R709	ERDS2TJ222T	2.2K 1/4W	[M]
R710	D0AE103JA048	10K 1/4W	[M]
R711	ERDS2TJ220T	22 1/4W	[M]
R712	D0AE272JA048	2.7K 1/4W	[M]
R713	ERD25FVJ151T	150 1/4W	[M]
R714	EROS2THF4701	47 1/4W	[M]
R715	EROS2THF1301	13 1/4W	[M]
R716	D0AE103JA048	10K 1/4W	[M]
R717	ERJ3EKF3902V	39 3W	[M]
R718	ERJ3EKF6802V	68 3W	[M]
R719	D0GB473JA041	47K 1/16W	[M]
R720	D0GB332JA007	3.3K 1/16W	[M]
R721	ERJ3EKF3900V	39 3W	[M]
R722	ERJ3EKF3900V	39 3W	[M]
R723	D0AE103JA048	10K 1/4W	[M]
R724	D0AE103JA048	10K 1/4W	[M]
R725	ERDS2TJ222T	2.2K 1/4W	[M]
R726	ERDS2TJ332T	3.3K 1/4W	[M]
R727	D0AE102JA048	1K 1/4W	[M]
R728	ERDS2TJ390T	39 1/4W	[M]
R729	D0AE223JA048	22K 1/4W	[M]
R730	D0GB472JA041	4.7K 1/16W	[M]
R731	ERDS1FVJ222T	2.2K 1/2W	[M]
R732	ERX2LJ82MP	0.82 2W	[M]
R733	ERJ3EKF6801V	68 3W	[M]
R734	ERJ3EKF4701V	47 3W	[M]
R735	D0GB154JA007	150K 1/16W	[M]
R736	ERJ3GEYJ102V	1K 1/16W	[M]
R737	ERJ3GEYJ103V	10K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R738	D0GB683JA007	68K 1/16W	[M]
R739	D0GB823JA007	82K 1/16W	[M]
R740	ERJ3GEYJ682V	6.8K 1/16W	[M]
R741	D0GB101JA007	100 1/16W	[M]
R742	D0GB183JA007	18K 1/16W	[M]
R743	D0AF220JA039	22 1/4W	[M]
R744	ERDS1FVJ3R3T	3.3 1/2W	[M]
R745	D0GB223JA041	22K 1/16W	[M]
R746	D0GB683JA007	68K 1/16W	[M]
R747	D0GB124JA007	120K 1/16W	[M]
R748	D0GB223JA041	22K 1/16W	[M]
R749	D0GB222JA041	2.2K 1/16W	[M]
R750	D0GB473JA041	47K 1/16W	[M]
R761	D0GB333JA007	33K 1/16W	[M]
R762	D0GB152JA007	1.5K 1/16W	[M]
R763	D0GB152JA007	1.5K 1/16W	[M]
R764	ERJ3GEYJ682V	6.8K 1/16W	[M]
R781	D0GB392JA041	3.9K 1/16W	[M]
R783	D0GB222JA041	2.2K 1/16W	[M]
R798	D0GB473JA041	47K 1/16W	[M]
R799	D0GB101JA007	100 1/16W	[M]
R800	D0GB101JA007	100 1/16W	[M]
R881	ERDS2TJ332T	3.3K 1/4W	[M]
R883	ERDS2TJ332T	3.3K 1/4W	[M]
R887	ERDS2TJ332T	3.3K 1/4W	[M]
R901	D0GB101JA007	100 1/16W	[M]
R902	D0GB104JA007	100K 1/16W	[M]
R903	D0GB273JA007	27K 1/16W	[M]
R904	D0GB471JA041	470 1/16W	[M]
R909	D0GB101JA007	100 1/16W	[M]
R910	D0GB101JA007	100 1/16W	[M]
R911	D0GB101JA007	100 1/16W	[M]
R921	D0GB101JA007	100 1/16W	[M]
R922	D0GB101JA007	100 1/16W	[M]
R923	ERDS2TJ390T	39 1/4W	[M]
R924	ERD25FVJ6R8T	6.8 1/4W	[M]
R941	D0GB151JA007	150 1/16W	[M]
R942	D0GB151JA007	150 1/16W	[M]
R943	D0GB151JA007	150 1/16W	[M]
R944	D0GB151JA007	150 1/16W	[M]
R945	D0GB151JA007	150 1/16W	[M]
R946	D0GB151JA007	150 1/16W	[M]
R947	D0GB151JA007	150 1/16W	[M]
R948	D0GB271JA007	270 1/16W	[M]
R950	D0GB271JA007	270 1/16W	[M]
R951	ERJ3GEYJ102V	1K 1/16W	[M]
R952	ERJ3GEYJ102V	1K 1/16W	[M]
R953	ERJ3GEYJ102V	1K 1/16W	[M]
R955	D0GB271JA007	270 1/16W	[M]
R956	D0GB271JA007	270 1/16W	[M]
R957	ERJ3GEYJ102V	1K 1/16W	[M]
R958	D0GB151JA007	150 1/16W	[M]
R959	D0GB271JA007	270 1/16W	[M]
R960	D0GB151JA007	150 1/16W	[M]
R961	ERJ3GEYJ102V	1K 1/16W	[M]
R962	ERJ3GEYJ122V	1.2K 1/16W	[M]
R963	D0GB152JA007	1.5K 1/16W	[M]
R964	D0GB182JA007	1.8K 1/16W	[M]
R965	D0GB222JA041	2.2K 1/16W	[M]
R966	ERJ3GEYJ102V	1K 1/16W	[M]
R967	ERJ3GEYJ122V	1.2K 1/16W	[M]
R968	D0GB152JA007	1.5K 1/16W	[M]
R969	D0GB182JA007	1.8K 1/16W	[M]
R991	D0GB181JA007	180 1/16W	[M]
R993	D0GB100JA007	10 1/16W	[M]
R994	ERJ3GEYJ103V	10K 1/16W	[M]
R995	ERJ3GEYJ102V	1K 1/16W	[M]
R1001	ERJ3GEYJ103V	10K 1/16W	[M]
R1002	D0GB101JA007	100 1/16W	[M]
R1003	D0GB101JA007	100 1/16W	[M]
R1004	D0GB101JA007	100 1/16W	[M]
R1005	D0GB101JA007	100 1/16W	[M]
R1006	D0GB101JA007	100 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1007	D0GB101JA007	100 1/16W	[M]
R1008	D0GB101JA007	100 1/16W	[M]
R1009	D0GB101JA007	100 1/16W	[M]
R1010	ERJ3GEYJ681V	680 1/16W	[M]
R1011	D0GB105JA007	1M 1/16W	[M]
R1012	D0GB105JA007	1M 1/16W	[M]
R1013	D0GB471JA041	470 1/16W	[M]
R1014	D0GB332JA007	3.3K 1/16W	[M]
R1015	D0GB332JA007	3.3K 1/16W	[M]
R1016	D0GB332JA007	3.3K 1/16W	[M]
R1017	D0GB332JA007	3.3K 1/16W	[M]
R1018	D0GB330JA007	33 1/16W	[M]
R1019	ERJ3GEYJ103V	10K 1/16W	[M]
R1020	ERJ3GEYJ103V	10K 1/16W	[M]
R1021	D0GB330JA007	33 1/16W	[M]
R1022	D0GB330JA007	33 1/16W	[M]
R1023	D0GB332JA007	3.3K 1/16W	[M]
R1024	ERJ3GEYJ103V	10K 1/16W	[M]
R1025	ERJ3GEYJ103V	10K 1/16W	[M]
R1026	ERJ3GEYJ103V	10K 1/16W	[M]
R1027	D0GB332JA007	3.3K 1/16W	[M]
R1028	ERJ3GEYJ103V	10K 1/16W	[M]
R1029	D0GB332JA007	3.3K 1/16W	[M]
R1030	D0GB332JA007	3.3K 1/16W	[M]
R1031	ERJ3GEYJ103V	10K 1/16W	[M]
R1032	ERJ3GEYJ103V	10K 1/16W	[M]
R1033	ERJ3GEYJ103V	10K 1/16W	[M]
R1034	ERJ3GEYJ103V	10K 1/16W	[M]
R1035	D0GB332JA007	3.3K 1/16W	[M]
R1036	D0GB332JA007	3.3K 1/16W	[M]
R1037	D0GB332JA007	3.3K 1/16W	[M]
R1038	ERJ3GEYJ103V	10K 1/16W	[M]
R1039	D0GB332JA007	3.3K 1/16W	[M]
R1040	D0GB330JA007	33 1/16W	[M]
R1041	D0GB330JA007	33 1/16W	[M]
R1042	D0GB330JA007	33 1/16W	[M]
R1043	D0GB330JA007	33 1/16W	[M]
R1044	ERJ3GEYJ103V	10K 1/16W	[M]
R1045	ERJ3GEYJ103V	10K 1/16W	[M]
R1046	D0GB330JA007	33 1/16W	[M]
R1047	ERJ3GEYJ103V	10K 1/16W	[M]
R1048	D0GB330JA007	33 1/16W	[M]
R1049	ERJ3GEYJ103V	10K 1/16W	[M]
R1050	D0GB330JA007	33 1/16W	[M]
R1051	D0GB101JA007	100 1/16W	[M]
R1052	D0GB101JA007	100 1/16W	[M]
R1053	D0GB101JA007	100 1/16W	[M]
R1054	ERJ3GEYJ103V	10K 1/16W	[M]
R1055	ERJ3GEYJ103V	10K 1/16W	[M]
R1056	D0GB101JA007	100 1/16W	[M]
R1057	D0GB470JA008	47 1/16W	[M]
R1058	D0GB471JA041	470 1/16W	[M]
R1059	D0GB471JA041	470 1/16W	[M]
R1060	D0GB470JA008	47 1/16W	[M]
R1061	D0GB183JA007	18K 1/16W	[M]
R1062	D0GB302JA007	3K 1/16W	[M]
R1063	ERJ3GEYJ103V	10K 1/16W	[M]
R1064	ERJ3GEYJ103V	10K 1/16W	[M]
R1065	ERJ3GEYJ103V	10K 1/16W	[M]
R1066	ERJ3GEYJ103V	10K 1/16W	[M]
R1067	ERJ3GEYJ103V	10K 1/16W	[M]
R1068	ERJ3GEYJ103V	10K 1/16W	[M]
R1069	ERJ3GEYJ103V	10K 1/16W	[M]
R1070	ERJ3GEYJ103V	10K 1/16W	[M]
R1071	D0GB101JA007	100 1/16W	[M]
R1072	ERJ3GEYJ103V	10K 1/16W	[M]
R1073	D0GB101JA007	100 1/16W	[M]
R1074	D0GB101JA007	100 1/16W	[M]
R1075	ERJ3GEYJ103V	10K 1/16W	[M]
R1076	D0GB330JA007	33 1/16W	[M]
R1077	D0GB330JA007	33 1/16W	[M]
R1078	D0GB330JA007	33 1/16W	[M]
R1079	D0GB330JA007	33 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1080	D0GB330JA007	33 1/16W	[M]
R1081	D0GB330JA007	33 1/16W	[M]
R1082	ERJ3GEYJ103V	10K 1/16W	[M]
R1083	ERJ3GEYJ103V	10K 1/16W	[M]
R1084	ERJ3GEYJ103V	10K 1/16W	[M]
R1085	ERJ3GEYJ103V	10K 1/16W	[M]
R1086	ERJ3GEYJ103V	10K 1/16W	[M]
R1087	ERJ3GEYJ103V	10K 1/16W	[M]
R1088	ERJ3GEYJ103V	10K 1/16W	[M]
R1089	ERJ3GEYJ103V	10K 1/16W	[M]
R1090	ERJ3GEYJ103V	10K 1/16W	[M]
R1091	D0GB330JA007	33 1/16W	[M]
R1092	D0GB330JA007	33 1/16W	[M]
R1093	D0GB330JA007	33 1/16W	[M]
R1094	D0GB330JA007	33 1/16W	[M]
R1095	D0GB330JA007	33 1/16W	[M]
R1096	D0GB101JA007	100 1/16W	[M]
R1097	D0GB151JA007	150 1/16W	[M]
R1098	D0GB104JA007	100K 1/16W	[M]
R1099	D0GB104JA007	100K 1/16W	[M]
R1100	D0GB151JA007	150 1/16W	[M]
R1101	D0GB151JA007	150 1/16W	[M]
R1102	D0GB151JA007	150 1/16W	[M]
R1103	ERJ3GEYJ102V	1K 1/16W	[M]
R1104	ERJ3GEYJ103V	10K 1/16W	[M]
R1105	ERJ3GEYJ103V	10K 1/16W	[M]
R1106	D0GB151JA007	150 1/16W	[M]
R1107	D0GB151JA007	150 1/16W	[M]
R1108	D0GB101JA007	100 1/16W	[M]
R1109	D0GB101JA007	100 1/16W	[M]
R1110	D0GB101JA007	100 1/16W	[M]
R1111	D0GB101JA007	100 1/16W	[M]
R1112	D0GB101JA007	100 1/16W	[M]
R1113	D0GB101JA007	100 1/16W	[M]
R1114	D0GB101JA007	100 1/16W	[M]
R1115	D0GB101JA007	100 1/16W	[M]
R1116	D0GB151JA007	150 1/16W	[M]
R1117	D0GB151JA007	150 1/16W	[M]
R1118	ERJ3GEYJ102V	1K 1/16W	[M]
R1119	D0GB101JA007	100 1/16W	[M]
R1120	D0GB101JA007	100 1/16W	[M]
R1121	D0GB101JA007	100 1/16W	[M]
R1122	D0GB101JA007	100 1/16W	[M]
R1123	D0GB101JA007	100 1/16W	[M]
R1124	D0GB104JA007	100K 1/16W	[M]
R1125	D0GB101JA007	100 1/16W	[M]
R1126	ERJ3GEYJ102V	1K 1/16W	[M]
R1127	ERJ3GEYJ102V	1K 1/16W	[M]
R1129	ERJ3GEYJ102V	1K 1/16W	[M]
R1130	D0GB101JA007	100 1/16W	[M]
R1131	ERJ3GEYJ102V	1K 1/16W	[M]
R1132	ERJ3GEYJ102V	1K 1/16W	[M]
R1133	D0GB101JA007	100 1/16W	[M]
R1134	ERJ3GEYJ102V	1K 1/16W	[M]
R1135	D0GB101JA007	100 1/16W	[M]
R1136	D0GB101JA007	100 1/16W	[M]
R1137	D0GB101JA007	100 1/16W	[M]
R1138	D0GB101JA007	100 1/16W	[M]
R1139	D0GB101JA007	100 1/16W	[M]
R1140	D0GB101JA007	100 1/16W	[M]
R1141	ERJ3GEYJ103V	10K 1/16W	[M]
R1142	ERJ3GEYJ102V	1K 1/16W	[M]
R1143	D0GB101JA007	100 1/16W	[M]
R1144	ERJ3GEYJ102V	1K 1/16W	[M]
R1145	D0GB101JA007	100 1/16W	[M]
R1146	ERJ3GEYJ103V	10K 1/16W	[M]
R1147	D0GB101JA007	100 1/16W	[M]
R1148	D0GB330JA007	33 1/16W	[M]
R1149	D0GB101JA007	100 1/16W	[M]
R1150	D0GB101JA007	100 1/16W	[M]
R1151	D0GB330JA007	33 1/16W	[M]
R1152	ERJ3GEYJ103V	10K 1/16W	[M]
R1153	D0GB471JA041	470 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1154	D0GB101JA007	100 1/16W	[M]
R1155	D0GB101JA007	100 1/16W	[M]
R1156	D0GB101JA007	100 1/16W	[M]
R1157	ERJ3GEYJ103V	10K 1/16W	[M]
R1158	D0GB330JA007	33 1/16W	[M]
R1159	D0GB330JA007	33 1/16W	[M]
R1160	D0GB330JA007	33 1/16W	[M]
R1161	D0GB101JA007	100 1/16W	[M]
R1162	D0GB101JA007	100 1/16W	[M]
R1163	ERJ3GEY0R00Z	0 1/16W	[M]
R1164	D0GB101JA007	100 1/16W	[M]
R1165	D0GB101JA007	100 1/16W	[M]
R1166	D0GB104JA007	100K 1/16W	[M]
R1167	D0GB472JA041	4.7K 1/16W	[M]
R1168	D0GB472JA041	4.7K 1/16W	[M]
R1169	D0GB101JA007	100 1/16W	[M]
R1170	D0GB101JA007	100 1/16W	[M]
R1171	ERJ3GEYJ103V	10K 1/16W	[M]
R1172	ERJ3GEYJ103V	10K 1/16W	[M]
R1174	D0GB101JA007	100 1/16W	[M]
R1175	ERJ3GEYJ103V	10K 1/16W	[M]
R1176	D0GB472JA041	4.7K 1/16W	[M]
R1177	D0GB472JA041	4.7K 1/16W	[M]
R1178	D0GB183JA007	18K 1/16W	[M]
R1180	D0GB330JA007	33 1/16W	[M]
R1181	D0GB330JA007	33 1/16W	[M]
R1182	D0GB330JA007	33 1/16W	[M]
R1185	D0GB330JA007	33 1/16W	[M]
R1186	D0GB330JA007	33 1/16W	[M]
R1187	D0GB330JA007	33 1/16W	[M]
R2001	D0GB330JA007	33 1/16W	[M]
R2002	D0GB330JA007	33 1/16W	[M]
R2003	D0GB330JA007	33 1/16W	[M]
R2004	D0GB330JA007	33 1/16W	[M]
R2005	D0GB330JA007	33 1/16W	[M]
R2006	D0GB330JA007	33 1/16W	[M]
R2007	D0GB330JA007	33 1/16W	[M]
R2008	D0GB330JA007	33 1/16W	[M]
R2009	D0GB330JA007	33 1/16W	[M]
R2010	D0GB330JA007	33 1/16W	[M]
R2011	D0GB330JA007	33 1/16W	[M]
R2012	D0GB330JA007	33 1/16W	[M]
R2013	D0GB330JA007	33 1/16W	[M]
R2014	D0GB330JA007	33 1/16W	[M]
R2015	D0GB330JA007	33 1/16W	[M]
R2016	D0GB330JA007	33 1/16W	[M]
R2017	D0GB330JA007	33 1/16W	[M]
R2018	D0GB330JA007	33 1/16W	[M]
R2019	D0GB330JA007	33 1/16W	[M]
R2020	D0GB330JA007	33 1/16W	[M]
R2021	D0GB330JA007	33 1/16W	[M]
R2022	D0GB330JA007	33 1/16W	[M]
R2023	D0GB330JA007	33 1/16W	[M]
R2024	D0GB330JA007	33 1/16W	[M]
R2026	D0GB330JA007	33 1/16W	[M]
R2027	D0GB330JA007	33 1/16W	[M]
R2028	D0GB330JA007	33 1/16W	[M]
R2029	D0GB330JA007	33 1/16W	[M]
R2030	D0GB181JA007	180 1/16W	[M]
R2033	ERJ3GEYJ103V	10K 1/16W	[M]
R2034	ERJ3GEYJ103V	10K 1/16W	[M]
R2035	D0GB330JA007	33 1/16W	[M]
R2036	D0GB105JA007	1M 1/16W	[M]
R2037	D0GB471JA041	470 1/16W	[M]
R2038	D0GB472JA041	4.7K 1/16W	[M]
R2039	D0GB473JA041	47K 1/16W	[M]
R2040	D0GB182JA007	1.8K 1/16W	[M]
R2041	D0GB182JA007	1.8K 1/16W	[M]
R2042	ERJ3GEYJ103V	10K 1/16W	[M]
R2043	D0GB183JA007	18K 1/16W	[M]
R2044	D0GB101JA007	100 1/16W	[M]
R2045	ERJ3GEYJ102V	1K 1/16W	[M]
R2048	ERJ3GEYJ103V	10K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2049	D0GB183JA007	18K 1/16W	[M]
R2050	D0GB473JA041	47K 1/16W	[M]
R2051	D0GB473JA041	47K 1/16W	[M]
R2052	D0GB472JA041	4.7K 1/16W	[M]
R2053	D0GB472JA041	4.7K 1/16W	[M]
R2054	ERJ3GEYJ102V	1K 1/16W	[M]
R2055	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R2056	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R2057	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R2058	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R2059	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R2060	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R2061	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R2062	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R2063	ERJ3GEYJ102V	1K 1/16W	[M]
R2064	D0GB470JA008	47 1/16W	[M]
R2065	D0GB470JA008	47 1/16W	[M]
R2066	ERJ3GEYJ103V	10K 1/16W	[M]
R2067	ERJ3GEYJ103V	10K 1/16W	[M]
R2068	ERJ3GEYJ103V	10K 1/16W	[M]
R2069	ERJ3GEYJ103V	10K 1/16W	[M]
R2101	D0GB473JA041	47K 1/16W	[M]
R2102	D0GB472JA041	4.7K 1/16W	[M]
R2103	ERJ3GEYJ561V	560 1/16W	[M]
R2104	ERJ3GEYJ150V	15 1/16W	[M]
R2105	ERJ3GEYJ103V	10K 1/16W	[M]
R2106	D0GB473JA041	47K 1/16W	[M]
R2107	ERJ3GEYJ102V	1K 1/16W	[M]
R2111	D0GB182JA007	1.8K 1/16W	[M]
R2112	D0GB182JA007	1.8K 1/16W	[M]
R2151	D0GB472JA041	4.7K 1/16W	[M]
R2152	D0GB101JA007	100 1/16W	[M]
R2153	D0GB330JA007	33 1/16W	[M]
R2154	ERJ3GEYJ103V	10K 1/16W	[M]
R2155	D0GB472JA041	4.7K 1/16W	[M]
R2156	D0GB183JA007	18K 1/16W	[M]
R2157	D0GB471JA041	470 1/16W	[M]
R2158	D0GB330JA007	33 1/16W	[M]
R2159	D0GB101JA007	100 1/16W	[M]
R2160	D0GB330JA007	33 1/16W	[M]
R2161	D0GB104JA007	100K 1/16W	[M]
R2162	D0GB105JA007	1M 1/16W	[M]
R2163	D0GB471JA041	470 1/16W	[M]
R2201	D0GB182JA007	1.8K 1/16W	[M]
R2202	D0GB332JA007	3.3K 1/16W	[M]
R2203	D0GB182JA007	1.8K 1/16W	[M]
R2204	D0GB332JA007	3.3K 1/16W	[M]
R2205	D0GB182JA007	1.8K 1/16W	[M]
R2206	D0GB332JA007	3.3K 1/16W	[M]
R2207	ERJ3GEYJ103V	10K 1/16W	[M]
R2208	D0GB473JA041	47K 1/16W	[M]
R2209	ERJ3GEYJ103V	10K 1/16W	[M]
R2210	D0GB101JA007	100 1/16W	[M]
R2211	D0GB101JA007	100 1/16W	[M]
R2212	D0GB101JA007	100 1/16W	[M]
R2213	D0GB101JA007	100 1/16W	[M]
R2214	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2216	D0GB472JA041	4.7K 1/16W	[M]
R2217	D0GB472JA041	4.7K 1/16W	[M]
R2218	ERJ3GEYJ102V	1K 1/16W	[M]
R2219	D0GB472JA041	4.7K 1/16W	[M]
R2220	D0GB472JA041	4.7K 1/16W	[M]
R2222	D0GB101JA007	100 1/16W	[M]
R2223	D0GB101JA007	100 1/16W	[M]
R2224	ERJ3GEYJ103V	10K 1/16W	[M]
R2225	D0GB101JA007	100 1/16W	[M]
R2226	D0GB101JA007	100 1/16W	[M]
R2227	D0GB101JA007	100 1/16W	[M]
R2229	D0GB472JA041	4.7K 1/16W	[M]
R2230	D0GB472JA041	4.7K 1/16W	[M]
R2231	ERJ3GEYJ102V	1K 1/16W	[M]
R2232	D0GB101JA007	100 1/16W	[M]
R2233	D0GB101JA007	100 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2235	D0GB472JA041	4.7K 1/16W	[M]
R2238	D0GB472JA041	4.7K 1/16W	[M]
R2239	D0GB271JA007	270 1/16W	[M]
R2240	D0GB101JA007	100 1/16W	[M]
R2241	D0GB101JA007	100 1/16W	[M]
R2242	D0GB101JA007	100 1/16W	[M]
R2243	D0GB101JA007	100 1/16W	[M]
R2244	D0GB151JA007	150 1/16W	[M]
R2245	D0GB151JA007	150 1/16W	[M]
R2246	D0GB101JA007	100 1/16W	[M]
R2248	D0GB100JA007	100 1/16W	[M]
R2249	ERJ3GEYJ680V	68 1/16W	[M]
R2250	D0GB100JA007	100 1/16W	[M]
R2251	D0GB100JA007	100 1/16W	[M]
R2252	D0GB100JA007	100 1/16W	[M]
R2253	D0GB100JA007	100 1/16W	[M]
R6101	ERJ14YJ472U	4.7K 1/4W	[M]
R6102	ERJ14YJ472U	4.7K 1/4W	[M]
R6103	ERJ14YJ472U	4.7K 1/4W	[M]
R6104	ERJ14YJ472U	4.7K 1/4W	[M]
R6105	ERJ14YJ1R5U	1.5 1/4W	[M]
R6106	ERJ14YJ1R5U	1.5 1/4W	[M]
R6107	ERJ14YJ1R5U	1.5 1/4W	[M]
R6108	ERJ14YJ1R5U	1.5 1/4W	[M]
R6109	D0GB4R7JA007	4.7 1/16W	[M]
R6110	D0GB4R7JA007	4.7 1/16W	[M]
R6111	D0GB100JA007	10 1/16W	[M]
R6112	D0GB100JA007	10 1/16W	[M]
R6113	D0GD3R3JA003	3.3 1/16W	[M]
R6131	D0GB3R3JA007	3.3 1/16W	[M]
R6132	D0GB3R3JA007	3.3 1/16W	[M]
R6133	D0GB101JA007	100 1/16W	[M]
R6134	D0GB101JA007	100 1/16W	[M]
R6135	ERJ3GEYJ102V	1K 1/16W	[M]
R6136	ERJ3GEYJ102V	1K 1/16W	[M]
R6137	D0GB562JA007	5.6K 1/16W	[M]
R6138	D0GB562JA007	5.6K 1/16W	[M]
R6139	ERJ3GEYJ102V	1K 1/16W	[M]
R6140	ERJ3GEYJ102V	1K 1/16W	[M]
R6141	D0GB562JA007	5.6K 1/16W	[M]
R6142	D0GB562JA007	5.6K 1/16W	[M]
R6143	ERJ3GEYJ202V	2K 1/16W	[M]
R6144	ERJ3GEYJ202V	2K 1/16W	[M]
R6145	ERJ3GEYJ202V	2K 1/16W	[M]
R6146	ERJ3GEYJ202V	2K 1/16W	[M]
R6147	D0GB470JA008	47 1/16W	[M]
R6148	D0GB470JA008	47 1/16W	[M]
R6149	D0GB470JA008	47 1/16W	[M]
R6150	D0GB470JA008	47 1/16W	[M]
R6161	D0GB104JA007	100K 1/16W	[M]
R6162	D0GB104JA007	100K 1/16W	[M]
R6163	D0GB104JA007	100K 1/16W	[M]
R6164	D0GB104JA007	100K 1/16W	[M]
R6171	D0GB224JA007	220K 1/16W	[M]
R6172	D0GB224JA007	220K 1/16W	[M]
R6173	ERJ3GEYJ103V	10K 1/16W	[M]
R6174	D0GB223JA041	22K 1/16W	[M]
R6175	D0GB223JA041	22K 1/16W	[M]
R6177	D0GB332JA007	3.3K 1/16W	[M]
R6178	D0GB332JA007	3.3K 1/16W	[M]
R6179	ERJ3GEYJ102V	1K 1/16W	[M]
R6180	ERJ3GEYJ102V	1K 1/16W	[M]
R6181	ERJ3GEYJ102V	1K 1/16W	[M]
R6182	ERJ3GEYJ102V	1K 1/16W	[M]
R6183	D0GB562JA007	5.6K 1/16W	[M]
R6184	D0GB562JA007	5.6K 1/16W	[M]
R6185	D0GB470JA008	47 1/16W	[M]
R6186	D0GB470JA008	47 1/16W	[M]
R6187	D0GB332JA007	3.3K 1/16W	[M]
R6188	D0GB332JA007	3.3K 1/16W	[M]
R6189	D0GB332JA007	3.3K 1/16W	[M]
R6190	D0GB332JA007	3.3K 1/16W	[M]
R6191	D0GB332JA007	3.3K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6192	D0GB332JA007	3.3K 1/16W	[M]
R6193	D0GB3R3JA007	3.3 1/16W	[M]
R6195	D0GB101JA007	100 1/16W	[M]
R6197	D0GB472JA041	4.7K 1/16W	[M]
R6198	D0GB472JA041	4.7K 1/16W	[M]
R6201	ERJ14YJ472U	4.7K 1/4W	[M]
R6202	ERJ14YJ472U	4.7K 1/4W	[M]
R6203	ERJ14YJ472U	4.7K 1/4W	[M]
R6204	ERJ14YJ472U	4.7K 1/4W	[M]
R6205	ERJ14YJ1R5U	1.5 1/4W	[M]
R6206	ERJ14YJ1R5U	1.5 1/4W	[M]
R6207	ERJ14YJ1R5U	1.5 1/4W	[M]
R6208	ERJ14YJ1R5U	1.5 1/4W	[M]
R6209	D0GB4R7JA007	4.7 1/16W	[M]
R6210	D0GB4R7JA007	4.7 1/16W	[M]
R6211	D0GB100JA007	10 1/16W	[M]
R6212	D0GB100JA007	10 1/16W	[M]
R6213	D0GD3R3JA003	3.3 1/16W	[M]
R6231	D0GB3R3JA007	3.3 1/16W	[M]
R6232	D0GB3R3JA007	3.3 1/16W	[M]
R6233	D0GB101JA007	100 1/16W	[M]
R6234	D0GB101JA007	100 1/16W	[M]
R6235	ERJ3GEYJ102V	1K 1/16W	[M]
R6236	ERJ3GEYJ102V	1K 1/16W	[M]
R6237	D0GB562JA007	5.6K 1/16W	[M]
R6238	D0GB562JA007	5.6K 1/16W	[M]
R6239	ERJ3GEYJ102V	1K 1/16W	[M]
R6240	ERJ3GEYJ102V	1K 1/16W	[M]
R6241	D0GB562JA007	5.6K 1/16W	[M]
R6242	D0GB562JA007	5.6K 1/16W	[M]
R6243	ERJ3GEYJ202V	2K 1/16W	[M]
R6244	ERJ3GEYJ202V	2K 1/16W	[M]
R6245	ERJ3GEYJ202V	2K 1/16W	[M]
R6246	ERJ3GEYJ202V	2K 1/16W	[M]
R6247	D0GB470JA008	47 1/16W	[M]
R6248	D0GB470JA008	47 1/16W	[M]
R6249	D0GB470JA008	47 1/16W	[M]
R6250	D0GB470JA008	47 1/16W	[M]
R6261	D0GB104JA007	100K 1/16W	[M]
R6262	D0GB104JA007	100K 1/16W	[M]
R6263	D0GB104JA007	100K 1/16W	[M]
R6264	D0GB104JA007	100K 1/16W	[M]
R6271	D0GB224JA007	220K 1/16W	[M]
R6272	D0GB224JA007	220K 1/16W	[M]
R6273	ERJ3GEYJ103V	10K 1/16W	[M]
R6274	D0GB223JA041	22K 1/16W	[M]
R6275	D0GB223JA041	22K 1/16W	[M]
R6277	D0GB332JA007	3.3K 1/16W	[M]
R6278	D0GB332JA007	3.3K 1/16W	[M]
R6279	ERJ3GEYJ102V	1K 1/16W	[M]
R6280	ERJ3GEYJ102V	1K 1/16W	[M]
R6281	ERJ3GEYJ102V	1K 1/16W	[M]
R6282	ERJ3GEYJ102V	1K 1/16W	[M]
R6283	D0GB562JA007	5.6K 1/16W	[M]
R6284	D0GB562JA007	5.6K 1/16W	[M]
R6285	D0GB470JA008	47 1/16W	[M]
R6286	D0GB470JA008	47 1/16W	[M]
R6287	D0GB332JA007	3.3K 1/16W	[M]
R6288	D0GB332JA007	3.3K 1/16W	[M]
R6289	D0GB332JA007	3.3K 1/16W	[M]
R6290	D0GB332JA007	3.3K 1/16W	[M]
R6291	D0GB332JA007	3.3K 1/16W	[M]
R6292	D0GB332JA007	3.3K 1/16W	[M]
R6293	D0GB3R3JA007	3.3 1/16W	[M]
R6295	D0GB101JA007	100 1/16W	[M]
R6297	D0GB472JA041	4.7K 1/16W	[M]
R6298	D0GB472JA041	4.7K 1/16W	[M]
R6301	ERJ14YJ472U	4.7K 1/4W	[M]
R6302	ERJ14YJ472U	4.7K 1/4W	[M]
R6303	ERJ14YJ472U	4.7K 1/4W	[M]
R6304	ERJ14YJ472U	4.7K 1/4W	[M]
R6305	ERJ14YJ2R7U	2.7 1/4W	[M]
R6306	ERJ14YJ2R7U	2.7 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6307	ERJ14YJ2R7U	2.7 1/4W	[M]
R6308	ERJ14YJ2R7U	2.7 1/4W	[M]
R6309	D0GB4R7JA007	4.7 1/16W	[M]
R6310	D0GB4R7JA007	4.7 1/16W	[M]
R6313	D0GD3R3JA003	3.3 1/16W	[M]
R6321	D0GB1R0JA007	1 1/16W	[M]
R6322	D0GB1R0JA007	1 1/16W	[M]
R6325	ERJ6GEYJ1ROV	1 1/10W	[M]
R6326	ERJ6GEYJ1ROV	1 1/10W	[M]
R6327	ERJ6GEYJ1ROV	1 1/10W	[M]
R6328	ERJ6GEYJ1ROV	1 1/10W	[M]
R6329	D0GB1R0JA007	1 1/16W	[M]
R6350	D0GB3R3JA007	3.3 1/16W	[M]
R6351	D0GB3R3JA007	3.3 1/16W	[M]
R6352	D0GB473JA041	47K 1/16W	[M]
R6353	D0GB223JA041	22K 1/16W	[M]
R6354	D0GB473JA041	47K 1/16W	[M]
R6355	D0GB223JA041	22K 1/16W	[M]
R6360	ERJ3GEYJ682V	6.8K 1/16W	[M]
R6361	D0GB3R3JA007	3.3 1/16W	[M]
R6371	D0GB224JA007	220K 1/16W	[M]
R6372	D0GB224JA007	220K 1/16W	[M]
R6373	ERJ3GEYJ103V	10K 1/16W	[M]
R6374	D0GB223JA041	22K 1/16W	[M]
R6375	D0GB223JA041	22K 1/16W	[M]
R6401	ERJ14YJ472U	4.7K 1/4W	[M]
R6402	ERJ14YJ472U	4.7K 1/4W	[M]
R6403	ERJ14YJ472U	4.7K 1/4W	[M]
R6404	ERJ14YJ472U	4.7K 1/4W	[M]
R6405	ERJ14YJ2R7U	2.7 1/4W	[M]
R6406	ERJ14YJ2R7U	2.7 1/4W	[M]
R6407	ERJ14YJ2R7U	2.7 1/4W	[M]
R6408	ERJ14YJ2R7U	2.7 1/4W	[M]
R6409	D0GB4R7JA007	4.7 1/16W	[M]
R6410	D0GB4R7JA007	4.7 1/16W	[M]
R6413	D0GD3R3JA003	3.3 1/16W	[M]
R6421	D0GB1R0JA007	1 1/16W	[M]
R6422	D0GB1R0JA007	1 1/16W	[M]
R6425	ERJ6GEYJ1ROV	1 1/10W	[M]
R6426	ERJ6GEYJ1ROV	1 1/10W	[M]
R6427	ERJ6GEYJ1ROV	1 1/10W	[M]
R6428	ERJ6GEYJ1ROV	1 1/10W	[M]
R6429	D0GB1R0JA007	1 1/16W	[M]
R6471	D0GB224JA007	220K 1/16W	[M]
R6472	D0GB224JA007	220K 1/16W	[M]
R6473	ERJ3GEYJ103V	10K 1/16W	[M]
R6474	D0GB223JA041	22K 1/16W	[M]
R6475	D0GB223JA041	22K 1/16W	[M]
R6501	ERJ14YJ472U	4.7K 1/4W	[M]
R6502	ERJ14YJ472U	4.7K 1/4W	[M]
R6503	ERJ14YJ472U	4.7K 1/4W	[M]
R6504	ERJ14YJ472U	4.7K 1/4W	[M]
R6505	ERJ14YJ2R7U	2.7 1/4W	[M]
R6506	ERJ14YJ2R7U	2.7 1/4W	[M]
R6507	ERJ14YJ2R7U	2.7 1/4W	[M]
R6508	ERJ14YJ2R7U	2.7 1/4W	[M]
R6509	D0GB4R7JA007	4.7 1/16W	[M]
R6510	D0GB4R7JA007	4.7 1/16W	[M]
R6513	D0GD3R3JA003	3.3 1/16W	[M]
R6521	D0GB1R0JA007	1 1/16W	[M]
R6522	D0GB1R0JA007	1 1/16W	[M]
R6525	ERJ6GEYJ1ROV	1 1/10W	[M]
R6526	ERJ6GEYJ1ROV	1 1/10W	[M]
R6527	ERJ6GEYJ1ROV	1 1/10W	[M]
R6528	ERJ6GEYJ1ROV	1 1/10W	[M]
R6529	D0GB1R0JA007	1 1/16W	[M]
R6550	D0GB3R3JA007	3.3 1/16W	[M]
R6551	D0GB3R3JA007	3.3 1/16W	[M]
R6552	D0GB473JA041	47K 1/16W	[M]
R6553	D0GB223JA041	22K 1/16W	[M]
R6554	D0GB473JA041	47K 1/16W	[M]
R6555	D0GB223JA041	22K 1/16W	[M]
R6560	ERJ3GEYJ822V	8.2K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6561	D0GB3R3JA007	3.3 1/16W	[M]
R6571	D0GB224JA007	220K 1/16W	[M]
R6572	D0GB224JA007	220K 1/16W	[M]
R6573	ERJ3GEYJ103V	10K 1/16W	[M]
R6574	D0GB223JA041	22K 1/16W	[M]
R6575	D0GB223JA041	22K 1/16W	[M]
R6601	ERJ14YJ472U	4.7K 1/4W	[M]
R6602	ERJ14YJ472U	4.7K 1/4W	[M]
R6603	ERJ14YJ472U	4.7K 1/4W	[M]
R6604	ERJ14YJ472U	4.7K 1/4W	[M]
R6605	ERJ14YJ2R7U	2.7 1/4W	[M]
R6606	ERJ14YJ2R7U	2.7 1/4W	[M]
R6607	ERJ14YJ2R7U	2.7 1/4W	[M]
R6608	ERJ14YJ2R7U	2.7 1/4W	[M]
R6609	D0GB4R7JA007	4.7 1/16W	[M]
R6610	D0GB4R7JA007	4.7 1/16W	[M]
R6613	D0GD3R3JA003	3.3 1/16W	[M]
R6621	D0GB1R0JA007	1 1/16W	[M]
R6622	D0GB1R0JA007	1 1/16W	[M]
R6625	ERJ6GEYJ1ROV	1 1/10W	[M]
R6626	ERJ6GEYJ1ROV	1 1/10W	[M]
R6627	ERJ6GEYJ1ROV	1 1/10W	[M]
R6628	ERJ6GEYJ1ROV	1 1/10W	[M]
R6629	D0GB1R0JA007	1 1/16W	[M]
R6671	D0GB224JA007	220K 1/16W	[M]
R6672	D0GB224JA007	220K 1/16W	[M]
R6673	ERJ3GEYJ103V	10K 1/16W	[M]
R6674	D0GB223JA041	22K 1/16W	[M]
R6675	D0GB223JA041	22K 1/16W	[M]
R6701	D0GB221JA041	220 1/16W	[M]
R6702	D0GB331JA007	330 1/16W	[M]
R6703	D0GB332JA007	3.3K 1/16W	[M]
R6705	ERJ3GEYJ103V	10K 1/16W	[M]
R6732	ERJ3GEYJ103V	10K 1/16W	[M]
R6734	ERJ3GEYJ103V	10K 1/16W	[M]
R6738	ERJ3GEYJ103V	10K 1/16W	[M]
R6740	D0GB124JA007	120K 1/16W	[M]
R6742	D0GB473JA041	47K 1/16W	[M]
R6758	D0GB104JA007	100K 1/16W	[M]
R6760	D0GB104JA007	100K 1/16W	[M]
R6761	D0GB473JA041	47K 1/16W	[M]
R6762	D0GB473JA041	47K 1/16W	[M]
R6772	ERJ3GEYJ102V	1K 1/16W	[M]
R6774	ERJ3GEYJ102V	1K 1/16W	[M]
R6775	D0GB472JA041	4.7K 1/16W	[M]
R6776	D0GB472JA041	4.7K 1/16W	[M]
R6777	D0GB104JA007	100K 1/16W	[M]
R6781	D0GB151JA007	150 1/16W	[M]
R6782	D0GB151JA007	150 1/16W	[M]
R6783	D0GB151JA007	150 1/16W	[M]
R6784	D0GB151JA007	150 1/16W	[M]
R6785	D0GB151JA007	150 1/16W	[M]
R6786	D0GB151JA007	150 1/16W	[M]
R6787	D0GB151JA007	150 1/16W	[M]
R6788	D0GB151JA007	150 1/16W	[M]
R6789	D0GB151JA007	150 1/16W	[M]
R6790	D0GB151JA007	150 1/16W	[M]
R6791	D0GB151JA007	150 1/16W	[M]
R6792	D0GB151JA007	150 1/16W	[M]
R6801	D0GB4R7JA007	4.7 1/16W	[M]
R6802	D0GB1R0JA007	1 1/16W	[M]
R6803	D0GB221JA041	220 1/16W	[M]
R6804	D0GB3R3JA007	3.3 1/16W	[M]
R6805	D0GB220JA007	22 1/16W	[M]
R6806	D0GB101JA007	100 1/16W	[M]
R6807	D0GB101JA007	100 1/16W	[M]
R6808	ERJ3GEYJ103V	10K 1/16W	[M]
R6809	D0GB101JA007	100 1/16W	[M]
R6810	D0GB101JA007	100 1/16W	[M]
R6811	ERJ3GEYJ103V	10K 1/16W	[M]
R6812	ERJ3GEYJ103V	10K 1/16W	[M]
R6813	ERJ3GEYJ103V	10K 1/16W	[M]
R6814	D0GB101JA007	100 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6815	D0GB101JA007	100 1/16W	[M]
R6816	D0GB101JA007	100 1/16W	[M]
R6817	D0GB101JA007	100 1/16W	[M]
R6818	D0GB101JA007	100 1/16W	[M]
R6819	ERJ3GEYJ103V	10K 1/16W	[M]
R6820	D0GB224JA007	220K 1/16W	[M]
R6821	D0GB101JA007	100 1/16W	[M]
R6822	D0GB101JA007	100 1/16W	[M]
R6823	ERJ3GEYJ103V	10K 1/16W	[M]
R6824	ERJ3GEYJ103V	10K 1/16W	[M]
R6825	ERJ3GEYJ103V	10K 1/16W	[M]
R6826	D0GB124JA007	120K 1/16W	[M]
R6827	ERJ3GEYJ103V	10K 1/16W	[M]
R6828	D0GB220JA007	22 1/16W	[M]
R6829	ERJ3GEYJ103V	10K 1/16W	[M]
R6830	D0GB101JA007	100 1/16W	[M]
R6831	D0GB101JA007	100 1/16W	[M]
R6832	D0GB101JA007	100 1/16W	[M]
R6833	D0GB101JA007	100 1/16W	[M]
R6834	D0GB101JA007	100 1/16W	[M]
R6835	D0GB101JA007	100 1/16W	[M]
R6836	D0GB101JA007	100 1/16W	[M]
R6837	D0GB101JA007	100 1/16W	[M]
R6839	D0GB101JA007	100 1/16W	[M]
R6851	D0GB474JA041	470K 1/16W	[M]
R6852	D0GB334JA041	330K 1/16W	[M]
R6853	D0GB222JA041	2.2K 1/16W	[M]
R6855	ERJ3GEYJ102V	1K 1/16W	[M]
R6856	ERJ3GEYJ102V	1K 1/16W	[M]
R6857	ERJ3GEYJ102V	1K 1/16W	[M]
R6858	ERJ3GEYJ102V	1K 1/16W	[M]
R6860	D0GB473JA041	47K 1/16W	[M]
R6861	ERJ3GEYJ103V	10K 1/16W	[M]
R6862	D0GB392JA041	3.9K 1/16W	[M]
R6863	ERJ3GEYJ102V	1K 1/16W	[M]
R6864	D0GB104JA007	100K 1/16W	[M]
R6865	ERJ3GEYJ102V	1K 1/16W	[M]
R6866	ERJ3GEYJ102V	1K 1/16W	[M]
R6868	ERJ3GEYJ102V	1K 1/16W	[M]
R6871	D0GB474JA041	470K 1/16W	[M]
R6872	D0GB334JA041	330K 1/16W	[M]
R6873	D0GB222JA041	2.2K 1/16W	[M]
R6875	D0GB472JA041	4.7K 1/16W	[M]
R6876	D0GB472JA041	4.7K 1/16W	[M]
R6879	D0GB104JA007	100K 1/16W	[M]
R6890	ERJ14YJ472U	4.7K 1/4W	[M]
R6891	ERJ14YJ472U	4.7K 1/4W	[M]
R6892	ERJ3GEYJ103V	10K 1/16W	[M]
R6893	D0GB104JA007	100K 1/16W	[M]
R6894	D0GB473JA041	47K 1/16W	[M]
R6896	D0GB104JA007	100K 1/16W	[M]
R6897	D0GB474JA041	470K 1/16W	[M]
R6898	D0GB474JA041	470K 1/16W	[M]
R6901	ERJ3GEYJ681V	680 1/16W	[M]
R6902	D0GB331JA007	330 1/16W	[M]
R6903	D0GB473JA041	47K 1/16W	[M]
R6904	D0GB104JA007	100K 1/16W	[M]
R6905	D0GB472JA041	4.7K 1/16W	[M]
R6906	D0GB223JA041	22K 1/16W	[M]
R6907	D0GB472JA041	4.7K 1/16W	[M]
R6908	ERJ3GEYJ103V	10K 1/16W	[M]
R6909	ERJ3GEYJ103V	10K 1/16W	[M]
R6910	ERJ3GEYJ103V	10K 1/16W	[M]
R6911	D0GB333JA007	33K 1/16W	[M]
R6912	ERJ3GEYJ103V	10K 1/16W	[M]
R6913	D0GB473JA041	47K 1/16W	[M]
R6914	D0GB223JA041	22K 1/16W	[M]
R6915	ERJ3GEYJ103V	10K 1/16W	[M]
R6916	ERJ3GEYJ103V	10K 1/16W	[M]
R6917	ERJ3GEYJ103V	10K 1/16W	[M]
R6918	ERJ3GEYJ103V	10K 1/16W	[M]
R6919	D0GB473JA041	47K 1/16W	[M]
R6920	D0GB470JA008	47 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6921	D0GB470JA008	47 1/16W	[M]
R6922	D0GB470JA008	47 1/16W	[M]
R6923	D0GB470JA008	47 1/16W	[M]
R6924	D0GB470JA008	47 1/16W	[M]
R6925	D0GB470JA008	47 1/16W	[M]
R6926	D0GB470JA008	47 1/16W	[M]
R6927	D0GB470JA008	47 1/16W	[M]
R6928	D0GB473JA041	47K 1/16W	[M]
R6929	D0GB473JA041	47K 1/16W	[M]
R6930	D0GB101JA007	100 1/16W	[M]
R6931	D0GB101JA007	100 1/16W	[M]
R6932	D0GB101JA007	100 1/16W	[M]
R6933	D0GB101JA007	100 1/16W	[M]
R6934	D0GB101JA007	100 1/16W	[M]
R6935	D0GB101JA007	100 1/16W	[M]
R6936	D0GB101JA007	100 1/16W	[M]
R6937	D0GB101JA007	100 1/16W	[M]
R6938	D0GB101JA007	100 1/16W	[M]
R6939	D0GB101JA007	100 1/16W	[M]
R6940	D0GB101JA007	100 1/16W	[M]
R6941	D0GB101JA007	100 1/16W	[M]
R6942	D0GB101JA007	100 1/16W	[M]
R6943	D0GB101JA007	100 1/16W	[M]
R6944	D0GB101JA007	100 1/16W	[M]
R6945	D0GB101JA007	100 1/16W	[M]
R6946	D0GB101JA007	100 1/16W	[M]
R6947	D0GB101JA007	100 1/16W	[M]
R6948	D0GB101JA007	100 1/16W	[M]
R6949	D0GB101JA007	100 1/16W	[M]
R6950	D0GB101JA007	100 1/16W	[M]
R6951	D0GB101JA007	100 1/16W	[M]
R6952	D0GB101JA007	100 1/16W	[M]
R6953	D0GB101JA007	100 1/16W	[M]
R6954	D0GB101JA007	100 1/16W	[M]
R6955	D0GB101JA007	100 1/16W	[M]
R6956	D0GB101JA007	100 1/16W	[M]
R6957	D0GB101JA007	100 1/16W	[M]
R6958	D0GB101JA007	100 1/16W	[M]
R6959	D0GB101JA007	100 1/16W	[M]
R6960	D0GB101JA007	100 1/16W	[M]
R6961	D0GB101JA007	100 1/16W	[M]
R6962	D0GB101JA007	100 1/16W	[M]
R6963	D0GB101JA007	100 1/16W	[M]
R6964	D0GB101JA007	100 1/16W	[M]
R6965	D0GB101JA007	100 1/16W	[M]
R6966	D0GB101JA007	100 1/16W	[M]
R6967	D0GB101JA007	100 1/16W	[M]
R6968	D0GB101JA007	100 1/16W	[M]
R6969	D0GB101JA007	100 1/16W	[M]
R6970	D0GB101JA007	100 1/16W	[M]
R6971	D0GB101JA007	100 1/16W	[M]
R6972	D0GB101JA007	100 1/16W	[M]
R6973	D0GB101JA007	100 1/16W	[M]
R6974	D0GB101JA007	100 1/16W	[M]
R6975	D0GB101JA007	100 1/16W	[M]
R6976	D0GB101JA007	100 1/16W	[M]
R6977	D0GB101JA007	100 1/16W	[M]
R6978	D0GB101JA007	100 1/16W	[M]
R6979	D0GB101JA007	100 1/16W	[M]
R6980	ERJ3GEYJ103V	10K 1/16W	[M]
R6981	ERJ3GEYJ103V	10K 1/16W	[M]
R6982	ERJ3GEYJ103V	10K 1/16W	[M]
R6993	D0GB473JA041	47K 1/16W	[M]
R6994	D0GB472JA041	4.7K 1/16W	[M]
R6995	D0GB1R0JA007	1 1/16W	[M]
R6996	D0GB1R0JA007	1 1/16W	[M]
JA1	ERJ3GEY0R00V	0 1/16W	[M]
JA2	ERJ3GEY0R00V	0 1/16W	[M]
JA3	ERJ3GEY0R00V	0 1/16W	[M]
JA4	ERJ3GEY0R00V	0 1/16W	[M]
JA5	ERJ3GEY0R00V	0 1/16W	[M]
JA7	ERJ3GEY0R00V	0 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
JA8	ERJ3GEY0R00V	0 1/16W	[M]
JA9	ERJ3GEY0R00V	0 1/16W	[M]
JA10	ERJ3GEY0R00V	0 1/16W	[M]
JA12	ERJ3GEY0R00V	0 1/16W	[M]
JA14	ERJ3GEY0R00V	0 1/16W	[M]
JA15	ERJ3GEY0R00V	0 1/16W	[M]
JA16	ERJ3GEY0R00V	0 1/16W	[M]
JA17	ERJ3GEY0R00V	0 1/16W	[M]
JA18	ERJ3GEY0R00V	0 1/16W	[M]
JA19	ERJ3GEY0R00V	0 1/16W	[M]
JA20	ERJ3GEY0R00V	0 1/16W	[M]
JA21	ERJ3GEY0R00V	0 1/16W	[M]
JA22	ERJ3GEY0R00V	0 1/16W	[M]
JA23	ERJ3GEY0R00V	0 1/16W	[M]
JA24	ERJ3GEY0R00V	0 1/16W	[M]
JA25	ERJ3GEY0R00V	0 1/16W	[M]
JA28	ERJ3GEY0R00V	0 1/16W	[M]
JA29	ERJ3GEY0R00V	0 1/16W	[M]
JA31	ERJ3GEY0R00V	0 1/16W	[M]
JA32	ERJ3GEY0R00V	0 1/16W	[M]
JA34	ERJ3GEY0R00V	0 1/16W	[M]
JA35	ERJ3GEY0R00V	0 1/16W	[M]
JA37	ERJ3GEY0R00V	0 1/16W	[M]
JA38	ERJ3GEY0R00V	0 1/16W	[M]
JA39	ERJ3GEY0R00V	0 1/16W	[M]
JA41	ERJ3GEY0R00V	0 1/16W	[M]
JA42	ERJ3GEY0R00V	0 1/16W	[M]
JA43	ERJ3GEY0R00V	0 1/16W	[M]
JA44	ERJ3GEY0R00V	0 1/16W	[M]
JA45	ERJ3GEY0R00V	0 1/16W	[M]
JA46	ERJ3GEY0R00V	0 1/16W	[M]
JA47	ERJ3GEY0R00V	0 1/16W	[M]
JA48	ERJ3GEY0R00V	0 1/16W	[M]
JA49	ERJ3GEY0R00V	0 1/16W	[M]
JA51	ERJ3GEY0R00V	0 1/16W	[M]
JA52	ERJ3GEY0R00V	0 1/16W	[M]
JA53	ERJ3GEY0R00V	0 1/16W	[M]
JA54	ERJ3GEY0R00V	0 1/16W	[M]
JA55	ERJ3GEY0R00V	0 1/16W	[M]
JA56	ERJ3GEY0R00V	0 1/16W	[M]
JA57	ERJ3GEY0R00V	0 1/16W	[M]
JA62	ERJ3GEY0R00V	0 1/16W	[M]
JA63	ERJ3GEY0R00V	0 1/16W	[M]
JA64	ERJ3GEY0R00V	0 1/16W	[M]
JA66	ERJ3GEY0R00V	0 1/16W	[M]
JA67	ERJ3GEY0R00V	0 1/16W	[M]
JA68	ERJ3GEY0R00V	0 1/16W	[M]
JA69	ERJ3GEY0R00V	0 1/16W	[M]
JA70	ERJ3GEY0R00V	0 1/16W	[M]
JA71	ERJ3GEY0R00V	0 1/16W	[M]
JA72	ERJ3GEY0R00V	0 1/16W	[M]
JA73	ERJ3GEY0R00V	0 1/16W	[M]
JA74	ERJ3GEY0R00V	0 1/16W	[M]
JA75	ERJ3GEY0R00V	0 1/16W	[M]
JA76	ERJ3GEY0R00V	0 1/16W	[M]
JA77	ERJ3GEY0R00V	0 1/16W	[M]
JA79	ERJ3GEY0R00V	0 1/16W	[M]
JA81	ERJ3GEY0R00V	0 1/16W	[M]
JA82	ERJ3GEY0R00V	0 1/16W	[M]
JA83	ERJ3GEY0R00V	0 1/16W	[M]
JA84	ERJ3GEY0R00V	0 1/16W	[M]
JA85	ERJ3GEY0R00V	0 1/16W	[M]
JA86	ERJ3GEY0R00V	0 1/16W	[M]
JA87	ERJ3GEY0R00V	0 1/16W	[M]
JA88	ERJ3GEY0R00V	0 1/16W	[M]
JA90	ERJ3GEY0R00V	0 1/16W	[M]
JA91	ERJ3GEY0R00V	0 1/16W	[M]
JA92	ERJ3GEY0R00V	0 1/16W	[M]
JA93	ERJ3GEY0R00V	0 1/16W	[M]
JA95	ERJ3GEY0R00V	0 1/16W	[M]
JA96	ERJ3GEY0R00V	0 1/16W	[M]
JA97	ERJ3GEY0R00V	0 1/16W	[M]
JA98	ERJ3GEY0R00V	0 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
JA99	ERJ3GEY0R00V	0 1/16W	[M]
JA100	ERJ3GEY0R00V	0 1/16W	[M]
JA101	ERJ3GEY0R00V	0 1/16W	[M]
JA102	ERJ3GEY0R00V	0 1/16W	[M]
JA103	ERJ3GEY0R00V	0 1/16W	[M]
JA104	ERJ3GEY0R00V	0 1/16W	[M]
JA105	ERJ3GEY0R00V	0 1/16W	[M]
JA106	ERJ3GEY0R00V	0 1/16W	[M]
JA107	ERJ3GEY0R00V	0 1/16W	[M]
JA108	ERJ3GEY0R00V	0 1/16W	[M]
JA109	ERJ3GEY0R00V	0 1/16W	[M]
JA110	ERJ3GEY0R00V	0 1/16W	[M]
JA111	ERJ3GEY0R00V	0 1/16W	[M]
JA112	ERJ3GEY0R00V	0 1/16W	[M]
JA113	ERJ3GEY0R00V	0 1/16W	[M]
JA150	ERJ3GEY0R00V	0 1/16W	[M]
JA901	ERJ3GEY0R00V	0 1/16W	[M]
JA902	ERJ3GEY0R00V	0 1/16W	[M]
JA903	ERJ3GEY0R00V	0 1/16W	[M]
JA904	ERJ3GEY0R00V	0 1/16W	[M]
JA905	ERJ3GEY0R00V	0 1/16W	[M]
JA909	ERJ3GEY0R00V	0 1/16W	[M]
JA910	ERJ3GEY0R00V	0 1/16W	[M]
JA911	ERJ3GEY0R00V	0 1/16W	[M]
JA912	ERJ3GEY0R00V	0 1/16W	[M]
JA913	ERJ3GEY0R00V	0 1/16W	[M]
JA914	ERJ3GEY0R00V	0 1/16W	[M]
JA915	ERJ3GEY0R00V	0 1/16W	[M]
JA916	ERJ3GEY0R00V	0 1/16W	[M]
JA917	ERJ3GEY0R00V	0 1/16W	[M]
JA918	ERJ3GEY0R00V	0 1/16W	[M]
JA919	ERJ3GEY0R00V	0 1/16W	[M]
JA920	ERJ3GEY0R00V	0 1/16W	[M]
JA921	ERJ3GEY0R00V	0 1/16W	[M]
JA922	ERJ3GEY0R00V	0 1/16W	[M]
JA926	ERJ3GEY0R00V	0 1/16W	[M]
JA927	ERJ3GEY0R00V	0 1/16W	[M]
JA928	ERJ3GEY0R00V	0 1/16W	[M]
JA929	ERJ3GEY0R00V	0 1/16W	[M]
JA930	ERJ3GEY0R00V	0 1/16W	[M]
		CAPACITORS	
C101	F1H1H103A219	0.01 50V	[M]
C102	ECA1CAK470XB	47 16V	[M]
C103	ECA1CAK100XB	10 16V	[M]
C104	F1H1H331A013	330P 50V	[M]
C105	ECA1CAK470XB	47 16V	[M]
C106	ECJ1VB1H561K	560P 50V	[M]
C107	F1H1H102A219	1000P 50V	[M]
C108	ECA1CAK470XB	47 16V	[M]
C109	F1H1H102A219	1000P 50V	[M]
C110	F1H1H103A219	0.01 50V	[M]
C111	F1H1H470A230	47P 50V	[M]
C112	F1H1H470A230	47P 50V	[M]
C301	F1H1H470A230	47P 50V	[M]
C302	F1H1H470A230	47P 50V	[M]
C303	ECA1CAK470XB	47 16V	[M]
C304	ECA1CAK470XB	47 16V	[M]
C305	ECA1CAK470XB	47 16V	[M]
C306	F1H1H104A783	0.1 50V	[M]
C307	F1H1H104A783	0.1 50V	[M]
C308	ECA0JAK101XB	100 6.3V	[M]
C309	ECA0JAK101XB	100 6.3V	[M]
C310	F1H1H103A219	0.01 50V	[M]
C311	ECA0JAK101XB	100 6.3V	[M]
C312	ECA0JAK101XB	100 6.3V	[M]
C313	F1H1H103A219	0.01 50V	[M]
C314	ECA1CAK470XB	47 16V	[M]
C315	F1H1H470A230	47P 50V	[M]
C316	F1H1H101A230	100P 50V	[M]
C317	F1H1H101A230	100P 50V	[M]
C318	F1H1H101A230	100P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C319	FIH1H101A230	100P 50V	[M]
C324	FIK1C1050005	1 16V	[M]
C325	FIK1C1050005	1 16V	[M]
C326	FIK1C1050005	1 16V	[M]
C327	FIK1C1050005	1 16V	[M]
C328	FIK1C1050005	1 16V	[M]
C329	FIK1C1050005	1 16V	[M]
C330	FIH1H104A783	0.1 50V	[M]
C331	ECA0JAK101XB	100 6.3V	[M]
C332	FIH1H104A783	0.1 50V	[M]
C333	ECA0JAK101XB	100 6.3V	[M]
C334	FIH1H104A783	0.1 50V	[M]
C335	FIH1H104A783	0.1 50V	[M]
C341	FIH1H103A219	0.01 50V	[M]
C342	ECJ1VC1H180J	18P 50V	[M]
C343	ECA1HAK010XB	1 50V	[M]
C344	ECJ1VC1H180J	18P 50V	[M]
C346	ECA1CAK470XB	47 16V	[M]
C349	FIH1H101A230	100P 50V	[M]
C350	FIH1H101A230	100P 50V	[M]
C351	FIH1H101A230	100P 50V	[M]
C352	FIH1H470A230	47P 50V	[M]
C353	FIH1H103A219	0.01 50V	[M]
C354	ECA0JAK101XB	100 6.3V	[M]
C356	ECA1HAK3R3XB	3.3 50V	[M]
C357	ECA1CAK330XB	33 16V	[M]
C358	ECA0JAK101XB	100 6.3V	[M]
C361	FIH1H470A230	47P 50V	[M]
C362	FIH1H470A230	47P 50V	[M]
C363	ECJ1VF1H223Z	0.022 50V	[M]
C364	ECA1CAK470XB	47 16V	[M]
C365	ECJ1VF1H223Z	0.022 50V	[M]
C366	ECA1CAK470XB	47 16V	[M]
C367	ECJ1VF1H223Z	0.022 50V	[M]
C368	ECA1CAK470XB	47 16V	[M]
C369	FIH1H470A230	47P 50V	[M]
C370	FIH1H470A230	47P 50V	[M]
C371	FIH1H104A783	0.1 50V	[M]
C372	FIH1H104A783	0.1 50V	[M]
C373	FIH1H104A783	0.1 50V	[M]
C374	FIH1H104A783	0.1 50V	[M]
C375	ECA0JAK101XB	100 6.3V	[M]
C376	ECA0JAK101XB	100 6.3V	[M]
C377	ECJ1VF1H223Z	0.022 50V	[M]
C378	ECA1CAK470XB	47 16V	[M]
C379	FIH1H470A230	47P 50V	[M]
C380	FIH1H470A230	47P 50V	[M]
C381	ECJ1VF1H223Z	0.022 50V	[M]
C382	FIH1H104A783	0.1 50V	[M]
C383	FIH1H104A783	0.1 50V	[M]
C384	FIH1H104A783	0.1 50V	[M]
C401	FIH1H101A230	100P 50V	[M]
C402	FIH1H101A230	100P 50V	[M]
C403	FIH1H101A230	100P 50V	[M]
C404	FIH1H101A230	100P 50V	[M]
C405	FIH1H101A230	100P 50V	[M]
C406	FIH1H101A230	100P 50V	[M]
C407	FIH1H101A230	100P 50V	[M]
C408	FIH1H101A230	100P 50V	[M]
C409	FIH1H101A230	100P 50V	[M]
C410	FIH1H101A230	100P 50V	[M]
C411	FIH1H101A230	100P 50V	[M]
C412	FIH1H101A230	100P 50V	[M]
C413	FIH1H101A230	100P 50V	[M]
C414	FIH1H101A230	100P 50V	[M]
C415	FIH1H101A230	100P 50V	[M]
C416	FIH1H101A230	100P 50V	[M]
C417	FIH1H101A230	100P 50V	[M]
C418	FIH1H101A230	100P 50V	[M]
C419	FIH1H101A230	100P 50V	[M]
C420	FIH1H101A230	100P 50V	[M]
C421	FIH1H331A013	330P 50V	[M]
C422	FIH1H331A013	330P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C423	FIH1H331A013	330P 50V	[M]
C424	FIH1H331A013	330P 50V	[M]
C425	FIH1H101A230	100P 50V	[M]
C426	FIH1H101A230	100P 50V	[M]
C427	FIH1H101A230	100P 50V	[M]
C428	FIH1H101A230	100P 50V	[M]
C429	FIH1H101A230	100P 50V	[M]
C430	FIH1H101A230	100P 50V	[M]
C431	FIH1H101A230	100P 50V	[M]
C432	FIH1H101A230	100P 50V	[M]
C433	FIH1H101A230	100P 50V	[M]
C434	FIH1H101A230	100P 50V	[M]
C435	FIH1H101A230	100P 50V	[M]
C436	FIH1H101A230	100P 50V	[M]
C437	FIH1H103A219	0.01 50V	[M]
C438	FIH1H331A013	330P 50V	[M]
C439	FIH1H104A783	0.1 50V	[M]
C440	FIH1H104A783	0.1 50V	[M]
C441	FIH1H104A783	0.1 50V	[M]
C442	FIH1H104A783	0.1 50V	[M]
C443	FIH1H101A230	100P 50V	[M]
C444	FIH1H101A230	100P 50V	[M]
C445	FIH1H101A230	100P 50V	[M]
C446	FIH1H101A230	100P 50V	[M]
C447	FIH1H101A230	100P 50V	[M]
C448	FIH1H101A230	100P 50V	[M]
C451	FIH1H101A230	100P 50V	[M]
C452	FIH1H101A230	100P 50V	[M]
C453	ECA1EAK100XB	10 25V	[M]
C454	ECA1EAK100XB	10 25V	[M]
C455	FIH1H104A783	0.1 50V	[M]
C456	FIH1H104A783	0.1 50V	[M]
C458	FIH1H104A783	0.1 50V	[M]
C459	ECA1EAK100XB	10 25V	[M]
C460	ECA1EAK100XB	10 25V	[M]
C461	FIH1H331A013	330P 50V	[M]
C462	FIH1H331A013	330P 50V	[M]
C463	FIH1H104A783	0.1 50V	[M]
C464	ECA1EAK100XB	10 25V	[M]
C465	ECJ1VC1H151J	150P 50V	[M]
C466	ECJ1VC1H151J	150P 50V	[M]
C467	FIH1H101A230	100P 50V	[M]
C468	FIH1H101A230	100P 50V	[M]
C469	ECA1EAK100XB	10 25V	[M]
C470	ECA1EAK100XB	10 25V	[M]
C471	FIH1H104A783	0.1 50V	[M]
C472	FIH1H104A783	0.1 50V	[M]
C473	FIH1H104A783	0.1 50V	[M]
C474	FIH1H104A783	0.1 50V	[M]
C475	ECA1EAK100XB	10 25V	[M]
C476	ECA1EAK100XB	10 25V	[M]
C477	FIH1H331A013	330P 50V	[M]
C478	FIH1H331A013	330P 50V	[M]
C479	FIH1H104A783	0.1 50V	[M]
C480	ECA1EAK100XB	10 25V	[M]
C481	ECJ1VC1H151J	150P 50V	[M]
C482	ECJ1VC1H151J	150P 50V	[M]
C483	FIH1H101A230	100P 50V	[M]
C484	FIH1H101A230	100P 50V	[M]
C485	ECA1EAK100XB	10 25V	[M]
C486	ECA1EAK100XB	10 25V	[M]
C487	FIH1H104A783	0.1 50V	[M]
C488	FIH1H104A783	0.1 50V	[M]
C490	FIH1H104A783	0.1 50V	[M]
C491	ECA1EAK470XB	47 25V	[M]
C492	ECA1EAK470XB	47 25V	[M]
C493	FIH1H101A230	100P 50V	[M]
C494	FIH1H101A230	100P 50V	[M]
C495	FIH1H104A783	0.1 50V	[M]
C496	ECA1EAK100XB	10 25V	[M]
C497	FIH1H470A230	47P 50V	[M]
C498	FIH1H470A230	47P 50V	[M]
C499	FIH1H101A230	100P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C500	F1H1H101A230	100P 50V	[M]
C501	ECA1EAK100XB	10 25V	[M]
C502	ECA1EAK100XB	10 25V	[M]
C503	F1H1H104A783	0.1 50V	[M]
C504	F1H1H104A783	0.1 50V	[M]
C505	ECA1EAK100XB	10 25V	[M]
C506	ECA1EAK100XB	10 25V	[M]
C507	F1H1H104A783	0.1 50V	[M]
C513	F1H1H331A013	330P 50V	[M]
C514	F1H1H331A013	330P 50V	[M]
C540	ECA1CAK470XB	47 16V	[M]
C541	ECA1CAK470XB	47 16V	[M]
C542	ECA1CAK470XB	47 16V	[M]
C554	F1H1H104A783	0.1 50V	[M]
C555	F1H1H104A783	0.1 50V	[M]
C556	F1H1H104A783	0.1 50V	[M]
C557	F1H1H104A783	0.1 50V	[M]
C558	F1H1H104A783	0.1 50V	[M]
C559	F1H1H104A783	0.1 50V	[M]
C560	F1H1H104A783	0.1 50V	[M]
C561	F1H1H104A783	0.1 50V	[M]
C562	F1H1H104A783	0.1 50V	[M]
C563	F1H1H103A219	0.01 50V	[M]
C564	F1H1H103A219	0.01 50V	[M]
C565	F1H1H104A783	0.1 50V	[M]
C566	F1H1H104A783	0.1 50V	[M]
C596	ECA1CAK470XB	47 16V	[M]
C597	ECA1CAK470XB	47 16V	[M]
C598	ECA1CAK470XB	47 16V	[M]
C599	ECA1CAK470XB	47 16V	[M]
C601	ECA0JM471B	470 6.3V	[M]
C701	ECQU2A104MLC	0.1 100V	[M]
C702	ECQU2A104MLC	0.1 100V	[M]
C703	F1BAF471A013	470 10V	[M]
C704	F1BAF471A013	470 10V	[M]
C706	ECQU2A104MLC	0.1 100V	[M]
C707	EETBA2G181ED	180P 400V	[M]
C708	ECKR2H103ZU	0.01 500V	[M]
C709	F1D1H471A012	470P 50V	[M]
C710	ECKE3D821KBP	820P 2000	[M]
C711	ECA1EPX470B	47 25V	[M]
C712	F1D1H221A012	220P 50V	[M]
C713	F1D1H102A012	1000P 50V	[M]
C714	F1BAF1020011	1000P 10V	[M]
C715	ECKR2H103ZU	0.01 500V	[M]
C716	F1H1H102A219	1000P 50V	[M]
C717	EEUPF1H102ZE	1000P 50V	[M]
C718	EEUPF1H102ZE	1000P 50V	[M]
C719	ECA1HAK010XB	1 50V	[M]
C720	F1D1H102A012	1000P 50V	[M]
C721	F1H1C104A008	0.1 16V	[M]
C722	ECA1CAK220XB	22 16V	[M]
C723	F1H1H102A219	1000P 50V	[M]
C724	F1E1H1030001	0.01 50V	[M]
C725	F1BAF1020020	1000P 10V	[M]
C726	ECA1HAK4R7XB	4.7 50V	[M]
C727	F1E1H1030001	0.01 50V	[M]
C728	ECA1CAM102XB	1000 16V	[M]
C729	F1E1H1030001	0.01 50V	[M]
C730	ECA1CAK100XB	10 16V	[M]
C731	ECA1HAK010XB	1 50V	[M]
C732	ECA1HM471E	470 50V	[M]
C733	F1H1H332A013	3300P 50V	[M]
C734	F1H1H471A219	470P 50V	[M]
C735	F1J2A221A007	220P 100V	[M]
C736	F1H1H102A219	1000P 50V	[M]
C737	F1H1H471A219	470P 50V	[M]
C738	ECJ1VB1H472K	4700P 50V	[M]
C739	F1H1H103A219	0.01 50V	[M]
C740	F1H1H103A219	0.01 50V	[M]
C741	F1H1H102A219	1000P 50V	[M]
C742	F1J2A1020002	1000P 100V	[M]
C743	F1J2A1020002	1000P 100V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C744	F1J2E1020002	1000P 250V	[M]
C745	F1H1H102A219	1000P 50V	[M]
C746	EEUFC1A102B	1000P 10V	[M]
C747	EEUFC1C102SE	1000P 16V	[M]
C748	ECA1CPXS471E	470 16V	[M]
C749	ECA1VAM101XB	100 35V	[M]
C750	ECA1AAK221XB	220 10V	[M]
C751	ECA1EPX101B	100 25V	[M]
C752	ECA1EPX101B	100 25V	[M]
C753	ECA1EPX101B	100 25V	[M]
C754	F1H1C104A008	0.1 16V	[M]
C755	F1H1C104A008	0.1 16V	[M]
C756	ECA1HAK010XB	1 50V	[M]
C757	ECA1HAK4R7XB	4.7 50V	[M]
C758	F1H1H103A219	0.01 50V	[M]
C759	ECA1HAK010XB	1 50V	[M]
C761	ECA1HAK100XB	10 50V	[M]
C762	ECA1HAK2R2XB	2.2 50V	[M]
C763	ECA1HAK4R7XB	4.7 50V	[M]
C764	F1H1H103A219	0.01 50V	[M]
C781	ECA1CAK101XB	100 16V	[M]
C782	ECJ1VB0J105K	1 6.3V	[M]
C783	EEUFC0J821B	820P 6.3V	[M]
C784	F1E1H1030001	0.01 50V	[M]
C785	ECA1EAM222XE	2200 25V	[M]
C881	F1D1H102A012	1000P 50V	[M]
C882	F1D1H102A012	1000P 50V	[M]
C883	F1D1H102A012	1000P 50V	[M]
C884	F1D1H102A012	1000P 50V	[M]
C885	F1D1H102A012	1000P 50V	[M]
C886	F1D1H102A012	1000P 50V	[M]
C887	F1D1H102A012	1000P 50V	[M]
C888	F1D1H102A012	1000P 50V	[M]
C889	F1D1H102A012	1000P 50V	[M]
C890	F1D1H102A012	1000P 50V	[M]
C891	F1D1H102A012	1000P 50V	[M]
C892	F1D1H102A012	1000P 50V	[M]
C893	F1J2A1020002	1000P 100V	[M]
C894	F1J2A1020002	1000P 100V	[M]
C895	F1J2A1020002	1000P 100V	[M]
C896	F1J2A1020002	1000P 100V	[M]
C896	F1J2E1030004	0.01 250V	[M]
C899	ECA1CAK470XB	47 16V	[M]
C900	ECA1CAK470XB	47 16V	[M]
C901	ECA1HAK220XB	22 50V	[M]
C902	ECA1HAK220XB	22 50V	[M]
C905	ECA1HAK100XB	10 50V	[M]
C906	ECA1HAK100XB	10 50V	[M]
C907	ECA1HM101B	100 50V	[M]
C909	F1H1H104A783	0.1 50V	[M]
C910	F1H1H104A783	0.1 50V	[M]
C911	F1H1H331A013	330P 50V	[M]
C914	F1H1H331A013	330P 50V	[M]
C915	F1H1H331A013	330P 50V	[M]
C916	F1H1H331A013	330P 50V	[M]
C917	F1H1H331A013	330P 50V	[M]
C918	F1H1H331A013	330P 50V	[M]
C919	F1H1H331A013	330P 50V	[M]
C921	F1H1H331A013	330P 50V	[M]
C922	F1H1H331A013	330P 50V	[M]
C923	F1H1H331A013	330P 50V	[M]
C924	F1H1H331A013	330P 50V	[M]
C954	ECA1CAK100XB	10 16V	[M]
C955	F1H1H103A219	0.01 50V	[M]
C956	F1H1H103A219	0.01 50V	[M]
C961	F1H1H101A230	100P 50V	[M]
C962	F1H1H101A230	100P 50V	[M]
C965	F1H1H101A230	100P 50V	[M]
C966	F1H1H101A230	100P 50V	[M]
C969	ECA0JM471B	470 6.3V	[M]
C970	F1H1H101A230	100P 50V	[M]
C971	F1H1H101A230	100P 50V	[M]
C972	F1H1H103A219	0.01 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C973	FIH1H104A783	0.1 50V	[M]
C974	FIH1H104A783	0.1 50V	[M]
C975	FIH1H104A783	0.1 50V	[M]
C976	FIH1H104A783	0.1 50V	[M]
C1001	ECJ1VB0J105K	1 6.3V	[M]
C1002	ECJ1VB0J105K	1 6.3V	[M]
C1003	ECJ1VB0J105K	1 6.3V	[M]
C1004	ECJ1VC1H120J	12P 50V	[M]
C1005	ECEV1CA100SR	10 16V	[M]
C1006	ECJ1VB0J105K	1 6.3V	[M]
C1007	ECJ1VC1H180J	18P 50V	[M]
C1008	ECJ1VC1H120J	12P 50V	[M]
C1010	ECJ1VC1H180J	18P 50V	[M]
C1011	ECEVOJA101SP	100 6.3V	[M]
C1012	ECEVOJA101SP	100 6.3V	[M]
C1013	FIH1H101A230	100P 50V	[M]
C1014	ECJ1VB0J105K	1 6.3V	[M]
C1015	ECJ1VB0J105K	1 6.3V	[M]
C1016	ECJ1VC1H330J	33P 50V	[M]
C1017	ECJ1VB0J105K	1 6.3V	[M]
C1018	FIH1H101A230	100P 50V	[M]
C1019	ECJ1VC1H100D	10P 50V	[M]
C1020	ECJ1VB0J105K	1 6.3V	[M]
C1021	ECJ1VB0J105K	1 6.3V	[M]
C1022	ECEVOJA470SR	47 6.3V	[M]
C1023	ECJ1VB0J105K	1 6.3V	[M]
C1024	ECJ1VB0J105K	1 6.3V	[M]
C1025	FIH1H101A230	100P 50V	[M]
C1026	FIH1H101A230	100P 50V	[M]
C1027	ECJ1VB0J105K	1 6.3V	[M]
C1028	ECJ1VB0J105K	1 6.3V	[M]
C1029	ECJ1VB0J105K	1 6.3V	[M]
C1031	FIH1H101A230	100P 50V	[M]
C1032	FIH1H101A230	100P 50V	[M]
C1033	FIH1H101A230	100P 50V	[M]
C1034	FIH1H101A230	100P 50V	[M]
C1035	FIH1C104A041	0.1 16V	[M]
C1036	ECEVOJA470SR	47 6.3V	[M]
C1037	ECJ1VC1H100D	10P 50V	[M]
C1038	ECJ1VB1A474K	0.47 10V	[M]
C1039	ECJ1VB0J105K	1 6.3V	[M]
C1040	ECEV1CA100SR	10 16V	[M]
C1041	ECJ1VC1H220J	22P 50V	[M]
C1042	FIH1C104A041	0.1 16V	[M]
C1043	ECJ1VC1H680K	68P 50V	[M]
C1044	FIK1C2250008	2.2 16V	[M]
C1045	ECJ1VB0J105K	1 6.3V	[M]
C1047	ECJ1VB1H122K	1200P 50V	[M]
C1049	ECJ1VB0J105K	1 6.3V	[M]
C1051	ECJ1VB0J105K	1 6.3V	[M]
C1053	FIH1C104A041	0.1 16V	[M]
C1054	FIH1C104A041	0.1 16V	[M]
C1056	ECJ1VB0J105K	1 6.3V	[M]
C1057	ECJ1VC1H100D	10P 50V	[M]
C1058	ECEV1CA100SR	10 16V	[M]
C1059	ECJ1VB0J105K	1 6.3V	[M]
C1060	ECJ1VB0J105K	1 6.3V	[M]
C1065	ECJ1VB0J105K	1 6.3V	[M]
C1066	ECEV1CA100SR	10 16V	[M]
C1067	FIH1C104A041	0.1 16V	[M]
C1068	ECJ1VB0J105K	1 6.3V	[M]
C1069	FIH1H102A219	1000P 50V	[M]
C1071	FIH1H102A219	1000P 50V	[M]
C1072	FIH1H102A219	1000P 50V	[M]
C1073	FIH1C104A041	0.1 16V	[M]
C1074	FIH1C104A041	0.1 16V	[M]
C1078	ECJ1VB0J105K	1 6.3V	[M]
C1079	ECJ1VB0J105K	1 6.3V	[M]
C1080	ECJ1VB0J105K	1 6.3V	[M]
C1081	ECJ1VB0J105K	1 6.3V	[M]
C1082	ECJ1VB0J105K	1 6.3V	[M]
C1083	FIH1H102A219	1000P 50V	[M]
C1088	FIH1H101A230	100P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1089	FIH1H101A230	100P 50V	[M]
C1090	FIH1H101A230	100P 50V	[M]
C1091	FIH1H101A230	100P 50V	[M]
C1092	ECEV1CA100SR	10 16V	[M]
C1093	FIH1C104A041	0.1 16V	[M]
C1094	FIH1H103A219	0.01 50V	[M]
C1095	ECJ1VB0J105K	1 6.3V	[M]
C1097	FIH1H102A219	1000P 50V	[M]
C1098	ECEVOJA101SP	100 6.3V	[M]
C1102	ECJ1VB0J105K	1 6.3V	[M]
C1103	ECJ1VB0J105K	1 6.3V	[M]
C1104	FIH1C104A041	0.1 16V	[M]
C1105	ECJ1VB0J105K	1 6.3V	[M]
C1106	FIH1C104A041	0.1 16V	[M]
C1107	FIH1C104A041	0.1 16V	[M]
C1108	FIH1H102A219	1000P 50V	[M]
C1113	FIH1C104A041	0.1 16V	[M]
C1114	ECEV1CA100SR	10 16V	[M]
C1115	FIH1C104A041	0.1 16V	[M]
C1116	ECJ1VB0J105K	1 6.3V	[M]
C1118	FIH1H222A013	2200P 50V	[M]
C1119	ECJ1VC1H100D	10P 50V	[M]
C1120	FIH1H101A230	100P 50V	[M]
C1121	FIH1H101A230	100P 50V	[M]
C1123	ECJ1VB0J105K	1 6.3V	[M]
C1124	ECJ1VB0J105K	1 6.3V	[M]
C1125	ECJ1VB0J105K	1 6.3V	[M]
C1126	FIH1C104A041	0.1 16V	[M]
C1127	FIH1H222A013	2200P 50V	[M]
C1129	FIH1H103A219	0.01 50V	[M]
C1130	FIH1H101A230	100P 50V	[M]
C1131	FIH1H101A230	100P 50V	[M]
C1133	ECJ1VB0J105K	1 6.3V	[M]
C1134	ECJ1VC1H100D	10P 50V	[M]
C1135	FIH1H103A219	0.01 50V	[M]
C1137	ECJ1VC1H100D	10P 50V	[M]
C1138	ECJ1VC1H100D	10P 50V	[M]
C1139	ECJ1VC1H100D	10P 50V	[M]
C1140	ECJ1VC1H100D	10P 50V	[M]
C1142	ECJ1VC1H100D	10P 50V	[M]
C1144	ECJ1VC1H100D	10P 50V	[M]
C1148	FIH1H101A230	100P 50V	[M]
C1149	ECJ1VC1H220J	22P 50V	[M]
C1155	ECJ1VB0J105K	1 6.3V	[M]
C1156	ECJ1VB0J105K	1 6.3V	[M]
C2002	FIH1C104A041	0.1 16V	[M]
C2004	FIH1C104A041	0.1 16V	[M]
C2005	ECEVOJA101SP	100 6.3V	[M]
C2006	ECEVOJA101SP	100 6.3V	[M]
C2007	FIH1C104A041	0.1 16V	[M]
C2008	FIH1C104A041	0.1 16V	[M]
C2009	FIH1C104A041	0.1 16V	[M]
C2011	FIH1C104A041	0.1 16V	[M]
C2012	FIH1C104A041	0.1 16V	[M]
C2013	FIH1C104A041	0.1 16V	[M]
C2014	FIH1C104A041	0.1 16V	[M]
C2015	ECEV1CA100SR	10 16V	[M]
C2016	ECEV1CA100SR	10 16V	[M]
C2017	FIH1C104A041	0.1 16V	[M]
C2018	FIH1C104A041	0.1 16V	[M]
C2019	FIH1C104A041	0.1 16V	[M]
C2020	FIH1C104A041	0.1 16V	[M]
C2021	ECJ1VB0J105K	1 6.3V	[M]
C2022	FIH1C104A041	0.1 16V	[M]
C2023	FIH1C104A041	0.1 16V	[M]
C2024	FIH1C104A041	0.1 16V	[M]
C2025	ECJ1VB0J105K	1 6.3V	[M]
C2026	FIH1C104A041	0.1 16V	[M]
C2027	FIH1C104A041	0.1 16V	[M]
C2028	FIH1C104A041	0.1 16V	[M]
C2029	FIH1C104A041	0.1 16V	[M]
C2030	FIH1C104A041	0.1 16V	[M]
C2031	ECJ1VC1H180J	18P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C2032	ECJ1VC1H180J	18P 50V	[M]
C2033	F1H1H103A219	0.01 50V	[M]
C2034	F1H1C104A041	0.1 16V	[M]
C2035	ECJ1VB0J105K	1 6.3V	[M]
C2036	ECJ1VB0J105K	1 6.3V	[M]
C2037	F1H1C104A041	0.1 16V	[M]
C2038	F1H1C104A041	0.1 16V	[M]
C2039	F1H1C104A041	0.1 16V	[M]
C2040	F1H1C104A041	0.1 16V	[M]
C2041	F1H1C104A041	0.1 16V	[M]
C2042	ECJ1VB0J105K	1 6.3V	[M]
C2043	ECJ1VB0J105K	1 6.3V	[M]
C2044	F1H1C104A041	0.1 16V	[M]
C2045	ECJ1VB0J105K	1 6.3V	[M]
C2046	ECJ1VB0J105K	1 6.3V	[M]
C2047	ECJ1VB1C104K	0.1 16V	[M]
C2102	ECJ1VB0J105K	1 6.3V	[M]
C2104	F1H1C104A041	0.1 16V	[M]
C2105	F1H1C104A041	0.1 16V	[M]
C2106	F1H1H103A219	0.01 50V	[M]
C2107	F1H1C104A041	0.1 16V	[M]
C2108	F1H1C104A041	0.1 16V	[M]
C2109	F1H1C104A041	0.1 16V	[M]
C2110	ECJ1VB0J105K	1 6.3V	[M]
C2111	ECEV1CA100SR	10 16V	[M]
C2112	ECEV1CA100SR	10 16V	[M]
C2113	F1H1C104A041	0.1 16V	[M]
C2114	F1H1C104A041	0.1 16V	[M]
C2115	F1H1C104A041	0.1 16V	[M]
C2116	ECEV0JA101SP	100 6.3V	[M]
C2117	ECJ1VB0J105K	1 6.3V	[M]
C2151	ECEV1CA100SR	10 16V	[M]
C2152	F1H1C104A041	0.1 16V	[M]
C2153	ECJ1VC1H330J	33P 50V	[M]
C2155	F1H1H103A219	0.01 50V	[M]
C2158	ECEV1CA100SR	10 16V	[M]
C2159	F1H1C104A041	0.1 16V	[M]
C2160	ECJ1VB1A474K	0.47 10V	[M]
C2161	ECJ1VC1H220J	22P 50V	[M]
C2162	ECJ1VB0J105K	1 6.3V	[M]
C2163	ECJ1VB0J105K	1 6.3V	[M]
C2164	ECJ1VC1H220J	22P 50V	[M]
C2165	ECJ1VC1H220J	22P 50V	[M]
C2201	F1H1H102A219	1000P 50V	[M]
C2202	F1H1H102A219	1000P 50V	[M]
C2203	F1H1H102A219	1000P 50V	[M]
C2204	F1H1C104A041	0.1 16V	[M]
C2205	F1H1H103A219	0.01 50V	[M]
C2206	ECEV1HA2R2SR	2.2 50V	[M]
C2207	ECEV0JA101SP	100 6.3V	[M]
C2208	F1H1C104A041	0.1 16V	[M]
C2209	F1H1C104A041	0.1 16V	[M]
C2210	F1H1C104A041	0.1 16V	[M]
C2211	F1H1C104A041	0.1 16V	[M]
C2213	ECJ1VB0J105K	1 6.3V	[M]
C2214	ECJ1VB0J105K	1 6.3V	[M]
C6101	ECQE1474JFW	0.47 100V	[M]
C6102	ECQE1474JFW	0.47 100V	[M]
C6103	ECJ2FB1H104K	0.1 50V	[M]
C6104	ECJ2FB1H104K	0.1 50V	[M]
C6105	ECJ2FB2D103K	0.01 250V	[M]
C6106	ECJ2FB2D103K	0.01 250V	[M]
C6109	ECJ1VC1H681J	680P 50V	[M]
C6110	ECJ1VC1H681J	680P 50V	[M]
C6111	EEUPW1H102XE	1000P 50V	[M]
C6112	ECJ1VC1H102K	1000P 50V	[M]
C6113	ECJ2VB2A103K	0.01 100V	[M]
C6115	ECJ1VB1C473K	0.047 16V	[M]
C6116	ECJ1VB1C473K	0.047 16V	[M]
C6131	F1H1C104A041	0.1 16V	[M]
C6132	F1H1C104A041	0.1 16V	[M]
C6133	F1H1C104A041	0.1 16V	[M]
C6134	F1H1C104A041	0.1 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C6135	F1H1C104A041	0.1 16V	[M]
C6136	F1H1C104A041	0.1 16V	[M]
C6137	ECJ1VC1H220K	22P 50V	[M]
C6138	ECJ1VC1H220K	22P 50V	[M]
C6139	ECJ1VB1H223K	0.022 50V	[M]
C6140	ECJ1VB1H223K	0.022 50V	[M]
C6141	ECJ1VC1H220K	22P 50V	[M]
C6142	ECJ1VC1H220K	22P 50V	[M]
C6143	EEEFK1C220R	22P 16V	[M]
C6144	EEEFK1C220R	22P 16V	[M]
C6163	ECJ1VC1H220K	22P 50V	[M]
C6164	ECJ1VC1H220K	22P 50V	[M]
C6171	ECEV1CA100SR	10 16V	[M]
C6174	ECJ1VC1H330J	33P 50V	[M]
C6175	F1H1H102A219	1000P 50V	[M]
C6183	ECJ1VC1H220K	22P 50V	[M]
C6184	ECJ1VC1H220K	22P 50V	[M]
C6187	ECJ2FB1H104K	0.1 50V	[M]
C6189	ECEV1HA2R2SR	2.2 50V	[M]
C6193	ECJ2FB1H104K	0.1 50V	[M]
C6195	F1H1C104A041	0.1 16V	[M]
C6197	ECJ1VC1H681J	680P 50V	[M]
C6198	ECJ1VC1H681J	680P 50V	[M]
C6201	ECQE1474JFW	0.47 100V	[M]
C6202	ECQE1474JFW	0.47 100V	[M]
C6203	ECJ2FB1H104K	0.1 50V	[M]
C6204	ECJ2FB1H104K	0.1 50V	[M]
C6205	ECJ2FB2D103K	0.01 250V	[M]
C6206	ECJ2FB2D103K	0.01 250V	[M]
C6209	ECJ1VC1H681J	680P 50V	[M]
C6210	ECJ1VC1H681J	680P 50V	[M]
C6211	EEUPW1H102XE	1000P 50V	[M]
C6212	ECJ1VC1H102K	1000P 50V	[M]
C6213	ECJ2VB2A103K	0.01 100V	[M]
C6215	ECJ1VB1C473K	0.047 16V	[M]
C6216	ECJ1VB1C473K	0.047 16V	[M]
C6231	F1H1C104A041	0.1 16V	[M]
C6232	F1H1C104A041	0.1 16V	[M]
C6233	F1H1C104A041	0.1 16V	[M]
C6234	F1H1C104A041	0.1 16V	[M]
C6235	F1H1C104A041	0.1 16V	[M]
C6236	F1H1C104A041	0.1 16V	[M]
C6237	ECJ1VC1H220K	22P 50V	[M]
C6238	ECJ1VC1H220K	22P 50V	[M]
C6239	ECJ1VB1H223K	0.022 50V	[M]
C6240	ECJ1VB1H223K	0.022 50V	[M]
C6241	ECJ1VC1H220K	22P 50V	[M]
C6242	ECJ1VC1H220K	22P 50V	[M]
C6243	EEEFK1C220R	22P 16V	[M]
C6244	EEEFK1C220R	22P 16V	[M]
C6263	ECJ1VC1H220K	22P 50V	[M]
C6264	ECJ1VC1H220K	22P 50V	[M]
C6271	ECEV1CA100SR	10 16V	[M]
C6274	ECJ1VC1H330J	33P 50V	[M]
C6275	F1H1H102A219	1000P 50V	[M]
C6283	ECJ1VC1H220K	22P 50V	[M]
C6284	ECJ1VC1H220K	22P 50V	[M]
C6287	ECJ2FB1H104K	0.1 50V	[M]
C6289	ECEV1HA2R2SR	2.2 50V	[M]
C6293	ECJ2FB1H104K	0.1 50V	[M]
C6295	F1H1C104A041	0.1 16V	[M]
C6297	ECJ1VC1H681J	680P 50V	[M]
C6298	ECJ1VC1H681J	680P 50V	[M]
C6301	ECQE1474JFW	0.47 100V	[M]
C6302	ECQE1474JFW	0.47 100V	[M]
C6303	ECJ2FB1H104K	0.1 50V	[M]
C6304	ECJ2FB1H104K	0.1 50V	[M]
C6305	ECJ2FB2D103K	0.01 250V	[M]
C6306	ECJ2FB2D103K	0.01 250V	[M]
C6309	ECJ1VC1H681J	680P 50V	[M]
C6310	ECJ1VC1H681J	680P 50V	[M]
C6311	EEUPW1H102XE	1000P 50V	[M]
C6312	ECJ1VC1H102K	1000P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C6313	ECJ2VB2A103K	0.01 100V	[M]
C6321	ECJ1VB1H223K	0.022 50V	[M]
C6322	ECJ1VB1H223K	0.022 50V	[M]
C6323	ECJ1VB1C105K	1 16V	[M]
C6371	ECEV1CA100SR	10 16V	[M]
C6374	ECJ1VC1H330J	33P 50V	[M]
C6375	FIH1H102A219	1000P 50V	[M]
C6401	ECQE1474JFW	0.47 100V	[M]
C6402	ECQE1474JFW	0.47 100V	[M]
C6403	ECJ2FB1H104K	0.1 50V	[M]
C6404	ECJ2FB1H104K	0.1 50V	[M]
C6405	ECJ2FB2D103K	0.01 250V	[M]
C6406	ECJ2FB2D103K	0.01 250V	[M]
C6409	ECJ1VC1H681J	680P 50V	[M]
C6410	ECJ1VC1H681J	680P 50V	[M]
C6411	EEUPW1H102XE	1000P 50V	[M]
C6412	ECJ1VC1H102K	1000P 50V	[M]
C6413	ECJ2VB2A103K	0.01 100V	[M]
C6421	ECJ1VB1H223K	0.022 50V	[M]
C6422	ECJ1VB1H223K	0.022 50V	[M]
C6423	ECJ1VB1C105K	1 16V	[M]
C6471	ECEV1CA100SR	10 16V	[M]
C6474	ECJ1VC1H330J	33P 50V	[M]
C6475	FIH1H102A219	1000P 50V	[M]
C6501	ECQE1474JFW	0.47 100V	[M]
C6502	ECQE1474JFW	0.47 100V	[M]
C6503	ECJ2FB1H104K	0.1 50V	[M]
C6504	ECJ2FB1H104K	0.1 50V	[M]
C6505	ECJ2FB2D103K	0.01 250V	[M]
C6506	ECJ2FB2D103K	0.01 250V	[M]
C6509	ECJ1VC1H681J	680P 50V	[M]
C6510	ECJ1VC1H681J	680P 50V	[M]
C6511	EEUPW1H102XE	1000P 50V	[M]
C6512	ECJ1VC1H102K	1000P 50V	[M]
C6513	ECJ2VB2A103K	0.01 100V	[M]
C6521	ECJ1VB1H223K	0.022 50V	[M]
C6522	ECJ1VB1H223K	0.022 50V	[M]
C6523	ECJ1VB1C105K	1 16V	[M]
C6531	ECEV1CA100SR	10 16V	[M]
C6532	FIH1C104A041	0.1 16V	[M]
C6533	FIH1C104A041	0.1 16V	[M]
C6534	FIH1C104A041	0.1 16V	[M]
C6535	FIH1C104A041	0.1 16V	[M]
C6536	FIH1C104A041	0.1 16V	[M]
C6551	ECEV1CA100SR	10 16V	[M]
C6552	FIH1C104A041	0.1 16V	[M]
C6553	FIH1C104A041	0.1 16V	[M]
C6554	FIH1C104A041	0.1 16V	[M]
C6555	FIH1C104A041	0.1 16V	[M]
C6556	FIH1C104A041	0.1 16V	[M]
C6571	ECEV1CA100SR	10 16V	[M]
C6574	ECJ1VC1H330J	33P 50V	[M]
C6575	FIH1H102A219	1000P 50V	[M]
C6601	ECQE1474JFW	0.47 100V	[M]
C6602	ECQE1474JFW	0.47 100V	[M]
C6603	ECJ2FB1H104K	0.1 50V	[M]
C6604	ECJ2FB1H104K	0.1 50V	[M]
C6605	ECJ2FB2D103K	0.01 250V	[M]
C6606	ECJ2FB2D103K	0.01 250V	[M]
C6609	ECJ1VC1H681J	680P 50V	[M]
C6610	ECJ1VC1H681J	680P 50V	[M]
C6611	EEUPW1H102XE	1000P 50V	[M]
C6612	ECJ1VC1H102K	1000P 50V	[M]
C6613	ECJ2VB2A103K	0.01 100V	[M]
C6621	ECJ1VB1H223K	0.022 50V	[M]
C6622	ECJ1VB1H223K	0.022 50V	[M]
C6623	ECJ1VB1C105K	1 16V	[M]
C6671	ECEV1CA100SR	10 16V	[M]
C6674	ECJ1VC1H330J	33P 50V	[M]
C6675	FIH1H102A219	1000P 50V	[M]
C6701	ECEV1AA220WR	22 10V	[M]
C6702	ECEV1AA220WR	22 10V	[M]
C6703	ECEV1AA220WR	22 10V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C6704	ECEV0JA102UP	1000 6.3V	[M]
C6705	ECEV0JA102UP	1000 6.3V	[M]
C6711	ECEV1CA470SP	47 16V	[M]
C6712	FIH1C104A041	0.1 16V	[M]
C6713	ECEV1CA470SP	47 16V	[M]
C6721	ECEV1HA2R2SR	2.2 50V	[M]
C6722	ECEV1HA2R2SR	2.2 50V	[M]
C6723	FIH1C104A041	0.1 16V	[M]
C6732	ECEV1CA100SR	10 16V	[M]
C6733	FIH1C104A041	0.1 16V	[M]
C6734	FIH1C104A041	0.1 16V	[M]
C6738	FIH1H392A013	3900P 50V	[M]
C6740	FIH1H102A219	1000P 50V	[M]
C6742	ECEV1CA470SP	47 16V	[M]
C6744	FIH1H102A219	1000P 50V	[M]
C6746	ECEV1CA100SR	10 16V	[M]
C6753	FIH1C104A041	0.1 16V	[M]
C6754	FIH1C104A041	0.1 16V	[M]
C6758	ECJ1VC1H560J	56P 50V	[M]
C6759	ECJ1VC1H560J	56P 50V	[M]
C6760	ECJ1VC1H560J	56P 50V	[M]
C6761	ECEV1CA470SP	47 16V	[M]
C6762	ECEV1CA470SP	47 16V	[M]
C6763	FIH1H102A219	1000P 50V	[M]
C6764	FIH1H102A219	1000P 50V	[M]
C6765	ECJ1VB1C105K	1 16V	[M]
C6766	ECJ1VB1C105K	1 16V	[M]
C6767	ECJ1VB1C105K	1 16V	[M]
C6768	ECJ1VB1C105K	1 16V	[M]
C6801	ECJ1VB1C473K	0.047 16V	[M]
C6802	ECJ1VB1H472K	4700P 50V	[M]
C6803	FIH1C104A041	0.1 16V	[M]
C6804	ECEV1CA100SR	10 16V	[M]
C6805	FIH1C104A041	0.1 16V	[M]
C6806	FIH1C104A041	0.1 16V	[M]
C6807	FIH1C104A041	0.1 16V	[M]
C6808	FIH1C104A041	0.1 16V	[M]
C6809	ECJ1VB0J105K	1 6.3V	[M]
C6810	FIH1C104A041	0.1 16V	[M]
C6811	ECEV1CA100SR	10 16V	[M]
C6812	ECEV1CA100SR	10 16V	[M]
C6813	FIH1H102A219	1000P 50V	[M]
C6814	FIH1H102A219	1000P 50V	[M]
C6815	FIH1C104A041	0.1 16V	[M]
C6816	FIH1C104A041	0.1 16V	[M]
C6819	FIH1C104A041	0.1 16V	[M]
C6820	FIH1C104A041	0.1 16V	[M]
C6821	FIH1H102A219	1000P 50V	[M]
C6822	FIH1H102A219	1000P 50V	[M]
C6823	FIH1C104A041	0.1 16V	[M]
C6824	FIH1C104A041	0.1 16V	[M]
C6825	ECJ1VB0J105K	1 6.3V	[M]
C6826	ECEV1HA2R2SR	2.2 50V	[M]
C6827	FIH1C104A041	0.1 16V	[M]
C6828	FIH1C104A041	0.1 16V	[M]
C6829	FIH1C104A041	0.1 16V	[M]
C6830	FIH1C104A041	0.1 16V	[M]
C6831	ECEV1CA100SR	10 16V	[M]
C6832	ECEV1CA100SR	10 16V	[M]
C6833	FIH1C104A041	0.1 16V	[M]
C6857	ECJ1VC1H560J	56P 50V	[M]
C6859	FIH1H103A219	0.01 50V	[M]
C6860	FIH1H103A219	0.01 50V	[M]
C6885	FIH1H103A219	0.01 50V	[M]
C6886	FIH1H103A219	0.01 50V	[M]
C6887	FIH1H103A219	0.01 50V	[M]
C6890	FIH1H102A219	1000P 50V	[M]
C6891	FIH1C104A041	0.1 16V	[M]
C6892	ECEV1CA221XP	220 16V	[M]
C6893	FIH1C104A041	0.1 16V	[M]
C6901	ECEV0JA102UP	1000 6.3V	[M]
C6902	ECEV0JA102UP	1000 6.3V	[M]
C6903	FIH1C104A041	0.1 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C6904	F1H1H102A219	1000P 50V	[M]
C6905	ECEV0JA101SP	100 6.3V	[M]
C6906	ECEV1AA220WR	22 10V	[M]
C6907	ECJ1VC1H561K	560P 50V	[M]
C6908	ECJ1VC1H561K	560P 50V	[M]
C6909	F1H1H102A219	1000P 50V	[M]
C6910	F1H1H103A219	0.01 50V	[M]
C6911	F1H1H103A219	0.01 50V	[M]
C6912	F1H1H103A219	0.01 50V	[M]
C6913	ECEV1HA2R2SR	2.2 50V	[M]
C6914	F1H1H103A219	0.01 50V	[M]
C6915	F1H1C104A041	0.1 16V	[M]
C6955	ECJ1VC1H220K	22P 50V	[M]
C6956	ECJ1VC1H220K	22P 50V	[M]
C6957	ECJ1VC1H220K	22P 50V	[M]
C6958	ECJ1VC1H220K	22P 50V	[M]
C6959	ECJ1VC1H220K	22P 50V	[M]
C6960	ECJ1VC1H220K	22P 50V	[M]
C6961	ECJ1VC1H220K	22P 50V	[M]
C6962	ECJ1VC1H220K	22P 50V	[M]
C6963	ECJ1VC1H220K	22P 50V	[M]
C6964	ECJ1VC1H220K	22P 50V	[M]
C6965	ECJ1VC1H220K	22P 50V	[M]
C6967	ECJ1VC1H220K	22P 50V	[M]
C6968	ECJ1VC1H220K	22P 50V	[M]
C6969	ECJ1VC1H220K	22P 50V	[M]

20.3. Packaging Materials & Accessories Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPG7072	PACKING CASE	[M]
P2	RPN1684	POLYFOAM	[M]
P3	RPHV0001	MIRAMAT SHEET	[M]
		ACCESSORIES	
A1	EUR7722X90	REMOTE CONTROL	[M]
A1-1	UR76EC3103A	R/C BATTERY COVER	[M]
A2	K2CQ2CA00002	AC CORD	[M] EG/ E
A2	VJA0733	AC CORD (SF)	[M] EB

Ref. No.	Part No.	Part Name & Description	Remarks
A3	RQT7524-D	O/I BOOK (Ge/It/Fr/Du/Da/Sw)	[M] EG
A3	RQT7525-B	O/I BOOK (En)	[M] EB/E
A3	RQT7526-R	O/I BOOK (Sp/Ru/Po/Cz)	[M] E
A3	RQT7739-D	O/I BOOK (Ge/It)	[M] EG
A3	RQT7740-E	O/I BOOK (Sp/Po/Cz)	[M] EG
A3	RQT7741-H	O/I BOOK (Da/Sw)	[M] EG
A3	RQT7742-B	O/I BOOK (En)	[M] EB/E
A3	RQT7743-E	O/I BOOK (Sp/Ru)	[M] E
A3	RQT7744-R	O/I BOOK (Po/Cz)	[M] E
A4	RSA0007-L	FM ANTENNA WIRE	[M]
A5	KLYZ02000013	ANTENNA ADAPTER	[M] EB
A6	RSA0037	AM LOOP ANTENNA	[M]

20.4. Packaging

