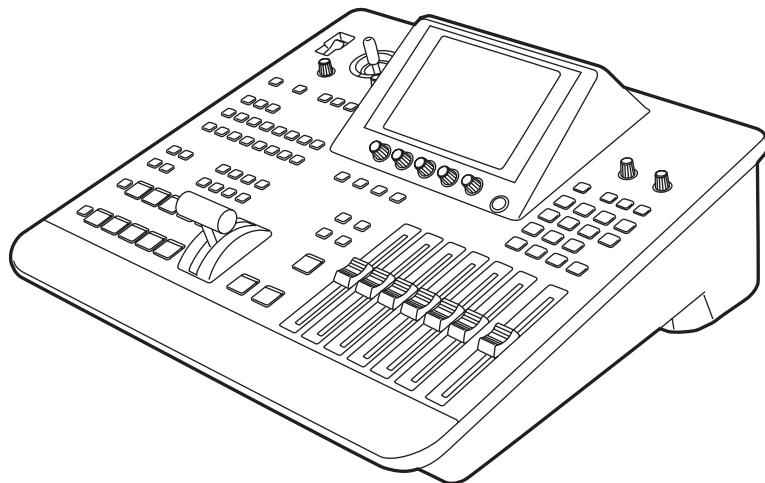


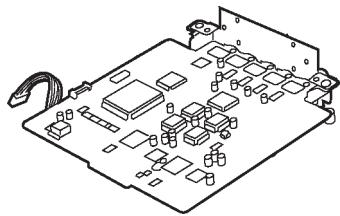
# Service Manual

- Sec. 1** Service Information
- Sec. 2** Disassembly Procedures
- Sec. 3** Electrical Adjustments
- Sec. 4** Block Diagrams
- Sec. 5** Schematic Diagrams
- Sec. 6** Circuit Board Diagrams
- Sec. 7** Exploded Views & Replacement Parts Lists

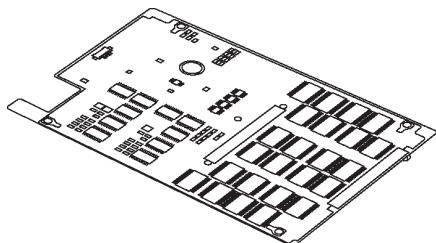
Digital AV Mixer  
**AG-MX70E/MC**  
SD INTERFACE BOARD  
**AG-YA70P**  
3D EFFECT BOARD  
**AG-VE70P**



AG-MX70E/MC



AG-YA70P



AG-VE70P

**Panasonic**

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## ⚠ 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 deal with in this service manual by anyone else could result in serious injury or death.

# Specifications

AG-MX70E/MC

## [GENERAL]

<b>Power Source</b>	: 220 V to 240 V AC, 50/60 Hz
<b>Power Consumption</b>	: 52 W (with no optional accessories installed), 70 W (with all optional accessories installed)

□ indicates safety information.

<b>Operating temperature:</b>	+ 5 °C to + 40 °C
<b>Operating humidity:</b>	Less than 80% (relative humidity)
<b>Dimensions (W H D):</b>	424 197 400 mm
<b>Weight:</b>	8.2 kg (with no optional accessories installed) 8.7 kg (with all optional accessories installed)

## [VIDEO]

<b>Video Format:</b>	525 (NTSC)/625 (PAL) switchable
<b>Quantization:</b>	Main input: 9 bit External input (EXT): 8 bit
<b>Internal processing:</b>	4: 2: 2: 4 8 bits (ON/OFF switching for Dynamic Rounding processing enabled) Key: 13.5 MHz Y: 13.5 MHz Pb/Pr: 6.75 MHz Component signal, Y: Less than -54 dB Pb/Pr: Less than -52 dB Composite signal, Y/C: Less than -50 dB
<b>S/N ratio:</b>	
<b>Band width:</b>	Main input Y: 0.5 MHz to 4.5 MHz (-1.0 dB) Pb/Pr: 0.2 MHz to 2.0 MHz (+0.5 dB to -3.0 dB) External input (EXT) Y: 0.5 MHz to 4.5 MHz (-1.0 dB) Pb/Pr: 0.2 MHz to 2.0 MHz (-1.0 dB)
<b>K factor:</b>	Less than 1%
<b>DG/DP:</b>	Less than 4%/2

## [AUDIO]

<b>Sampling frequency:</b>	48 kHz
<b>Quantization:</b>	Analogue Input: 20bit, Digital Input (option): 24bit
<b>Frequency response:</b>	20 Hz to 20 kHz (-1.0 dB to +1.0 dB)
<b>Dynamic range:</b>	More than 85dB (analogue In/out)
<b>THD:</b>	Less than 0.08% (1 kHz)
<b>Cross talk:</b>	Less than -70 dB (1 kHz, between any two channels)
<b>Headroom:</b>	20 dB/18 dB switchable

# **Specifications**

---

## [VIDEO INPUT/OUTPUT]

<b>Component input connectors:</b>	BNC 4 (sources 1/2/3/4) Y: 1.0 Vp-p, 75 Pb/Pr (525): 0.525/0.757 Vp-p switchable, 75 Pb/Pr (625): 0.7 Vp-p, 75
<b>Composite input connectors:</b>	BNC 8 (sources 1 to 8), 1.0 Vp-p, 75
<b>YC input connectors:</b>	Mini-DIN4 4 (sources 1/2/3/4) Y: 1.0 Vp-p, 75 C: 0.286 Vp-p, 75 (525)/0.3 Vp-p, 75 (625)
<b>EXT (external input) connector:</b>	BNC 1 (Y/Pb/Pr), Analog component signals Y: 1.0 Vp-p, 75 Pb/Pr (525): 0.757 Vp-p, 75 Pb/Pr (625): 0.7 Vp-p, 75 Key: BNC 1, 1.0 Vp-p, 75 Analog composite signals (genlock possible)
<b>G/L input connector:</b>	BNC 1 (with loop-through configuration), 1.0 Vp-p, 75 Composite signal (genlock selection enabled from G/L, EXT-Key)
<b>Component output connectors:</b>	BNC 2 Y: 1.0 Vp-p, 75 Pb/Pr (525): 0.525/0.757 Vp-p switchable, 75 Pb/Pr (625): 0.7 Vp-p, 75
<b>Composite output connectors:</b>	BNC 8 (sources 1 to 8), 1.0 Vp-p, 75
<b>YC input connectors:</b>	Mini-DIN4 4 Y: 1.0 Vp-p, 75 C: 0.286 Vp-p, 75 (525)/0.3 Vp-p, 75 (625)
<b>Preview output connector:</b>	BNC 1, 1.0 Vp-p, 75
<b>Advanced reference input connector:</b>	BNC 1 (with loop-through configuration), 75 , composite signals Sync: 0.286 Vp-p (525)/0.3 VP-P (625) Burst: 0.286 Vp-p (525)/0.3 Vp-p (625)

## [AUDIO INPUT/OUTPUT]

<b>Audio input (L/R) connectors:</b>	XLR 4 sets, +4/0/-3 dBu switchable, 10 k , balanced
<b>AUX input (L/R) connectors:</b>	RCA 2 sets, -10 dBV, 10 k , unbalanced (AUX2 switchable with MIC)
<b>Mic input jack:</b>	M6 1, -60 dBv, 2 k , unbalanced (switchable with AUX2)
<b>Audio output (L/R) connectors:</b>	Program 1: XLR 1 set, +4/0/-3 dBu switchable, 47 , balanced Program 2: RCA 1 set, 10 dBV, 47 , unbalanced
<b>Headphone output jack:</b>	M6 1, 8 , unbalanced

# ***Specifications***

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## **[OTHER]**

<b>Editor:</b>	D-sub 9-pin, RS-422A/232C switchable RS-422A protocol; GVG/Sony switchable
<b>Connectable Editor:</b>	Panasonic: AG-A850 SONY: BVE-2000, BVE-910, PVE-500
<b>Tally Out:</b>	D-sub 9-pin, open-collector 8 ch Collector Current: Less than 50 mA, Maximum voltage: 35 V DC
<b>GPI:</b>	BNC 1, make-contact
<b>USB:</b>	Type-B connector 1, USB Ver.1.1 (cable length: max. 3 m)

## **[SDI] (Option)**

<b>Video input connectors:</b>	BNC 4 (inputs 1/2/3/4), SMPTE 259M-C
<b>Video output connectors:</b>	BNC 1, SMPTE 259M-C
<b>Audio input connectors:</b>	Embedded audio (channels 1/2)
<b>Audio output connectors:</b>	Embedded audio (channels 1/2)

## **[ACCESSORIES]**

<b>Power cable (for continental Europe).....</b>	1
(for U.K.) .....	1
<b>Operating Instructions.....</b>	1
<b>MX-Navi installation CD.....</b>	1
<b>Warranty card .....</b>	1

## ***Specifications***

**AG-YA70P**

<b>Power Source:</b>	DC 5 V, 3.3 V
<b>Power Consumption:</b>	6.3 W

 indicates safety information.

**Operating temperature:** 41 F to 104 F (+ 5 C to + 40 C)

**Operating humidity:** Less than 80%

**Standard:** SMPTE-259M-C standard complied with

## ***Specifications***

**AG-VE70P**

<b>Power Source:</b>	DC 5 V, 3.3 V
<b>Power Consumption:</b>	6.1 W

 indicates safety information.

**Operating temperature:** 41 F to 104 F (+ 5 C to + 40 C)

**Operating humidity:** Less than 80%

# Caution for AC Mains Lead

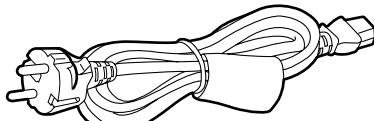
## FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.

Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

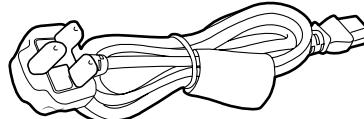
### FOR CONTINENTAL EUROPE, ETC.

Not to be used in the U.K.



### FOR U.K. ONLY

If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted.



## FOR U.K. ONLY

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

A 13 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps 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 Panasonic Dealer.

**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 OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP 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.

**WARNING: THIS APPLIANCE MUST BE EARTHED.**

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

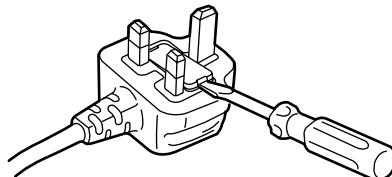
Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

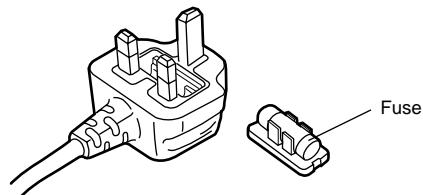
- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol  $\downarrow$  or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

### How to replace the fuse

1. Open the fuse compartment with a screwdriver.



2. Replace the fuse.



# SAFETY PRECAUTIONS

## 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.

## 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 ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than  $5M\Omega$ .

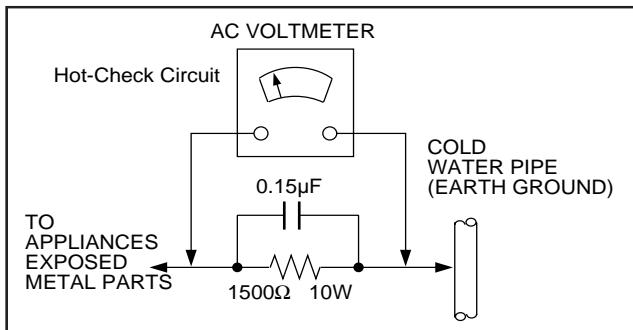


Figure1

## 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  $1.5k\Omega$ , 10W resistor, in parallel with a  $0.15\mu F$  capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure1.
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 repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 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 rechecked before it is returned to the customer.

## ABOUT LEAD FREE SOLDER (PbF)

### Distinction of PbF PCB :

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

### Caution :

1. Pb free solder has a high melting point than standard solder; Typically the melting point is  $50-70^{\circ}F$  ( $30-40^{\circ}C$ ) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to  $700\pm20^{\circ}F$  ( $370\pm10^{\circ}C$ ).
2. Pb free solder will tend to splash when heated too high (about  $1100^{\circ}F/600^{\circ}C$ )

## ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.  
(most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.  
CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpacked replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

## X-RADIATION

### WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing x-radiation.

**Note :** It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate  $2.5kV, \pm 0.15kV$ . If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an x-radiation possibility, it is essential to use the specified picture tube.

# **Panasonic**

HCD0209NYAA425

# SECTION 1

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## SERVICE INFORMATION

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# 1. Equipment For Measurement

MODEL No. (EXAMPLE)	NAME	REMARKS
TSG130	PAL analog component/Composite signal Transmitter	Techtronics
1760 or 1780R	SCH meter (PAL)	
	Oscilloscope (PAL)	
	Vectorscope (PAL)	
	Audio analyzer	
	Digital voltmeter (D.V.M.)	
	Wave Frequency counter	

## 2. Maintenance

### 2-1. Necessity For Maintenance

The digital AV mixer has an fan motor and LCD which are consumable items that deteriorate over time and can cause lower performance and malfunction. You should, therefore, perform maintenance regularly to prevent lower performance and potentially damaging malfunctions.

### 2-2. Maintenance Schedule

The following maintenance schedule shows approximate times to carry out maintenance. They are not the performance lives of the various parts. There may be changes to the maintenance specifications and part numbers so be sure to refer to the latest information.

No.	PART	PART NUMBER	TIME FOR REPLACEMENT
1	Top case fan motor	L6FALEDH0001	every ten thousand hours
2	Main case fan motor	L6FALEDH0001	every ten thousand hours
3	Power unit fan motor	VRF0027	every ten thousand hours
4	LCD panel unit	L5ADBNL00001	every ten thousand hours

Note:

- Refer to the times displayed under the various items in the onscreen menus for replacement times. From the SETUP (setup screen) condition, press **SHIFT** + **7** for 3 seconds to show the times.
- To reset the times for the items, press **SHIFT** + **7** for three seconds to show the times, then press **[0]**, **[2]**, **[6]**, **[–]** and **[↓]**.

Select the item you want to reset in the rotary encoder, then press **SHIFT** + **7** to reset the time.

### **3. Up Dating The Software**

#### **3-1. Software**

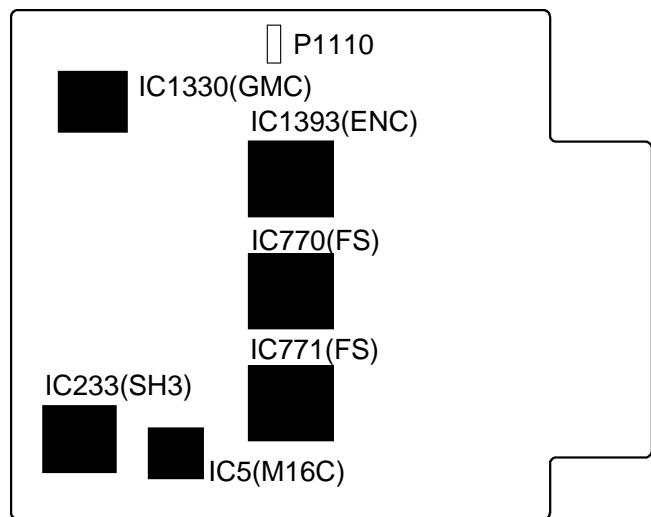
AG-MX70/AG-YA70P/AG-VE70P use internal flash memory microprocessor and PLDs.  
Follow the below steps to update the software.

MODEL No.	TYPE	NAME	REFERENCE No.	BOARD NAME	
AG-MX70	FLASH MEMORY	M16C	IC5	MAIN BOARD	
		SH3	IC233		
	FPGA	FS	IC711, IC770		
		ENC	IC1393		
		GMC	IC1330		
		SDI	IP502		
AG-YA70P	PLD	ASPECT	IP701	3D BOARD	
AG-VE70P		IO	IP650		
		YC LPF	IP256, IP306		
		YC MIX	IP651		

#### **3-2. Layout of parts**

AG-MX70

Main Board (VEP66448A) Parts Layout



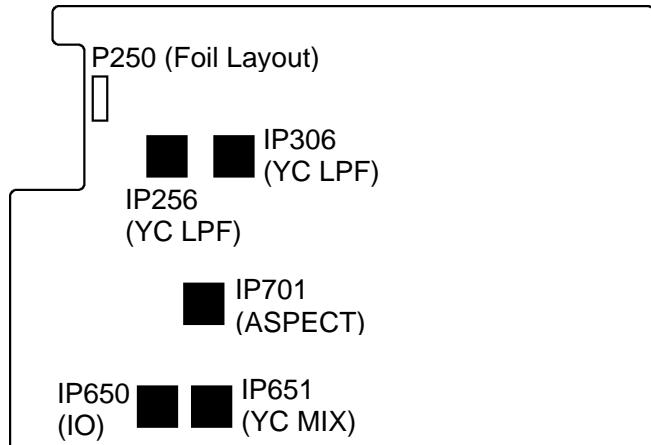
AG-YA70P

SDI Board (VEP83586A) Parts Layout



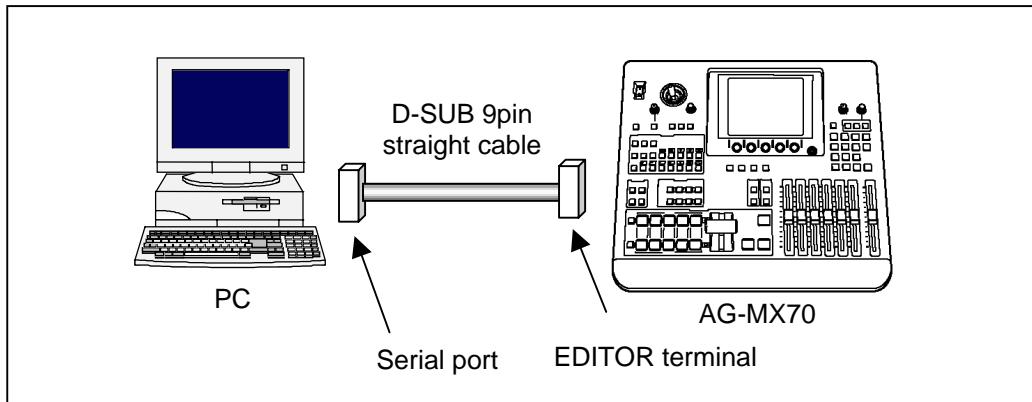
AG-VE70P

3D Board (VEP63239A) Parts Layout

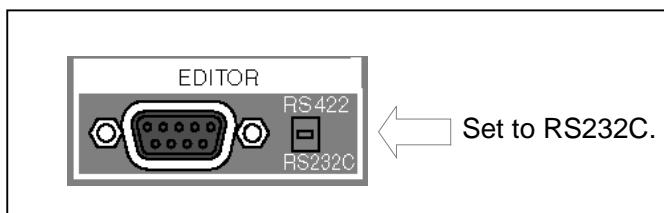


### 3-3. Preparations for updating the internal flash memory microprocessor

1. Things Needed For Writing
  - Writing Software ..... VFK1819
  - WINDOWS 95/98 Computer
  - RS232C cable (9 Pin Straight Cable)
2. Installation Of Writing Software
  - Copy the following file into a directory in the computer.
  - Program File..... Version Up Tool. EXE
3. Connection
  - With the RS232C cable (9-pin straight cable), connect the AG-MX70 jack panel's EDITOR terminal to the computer's COM port.

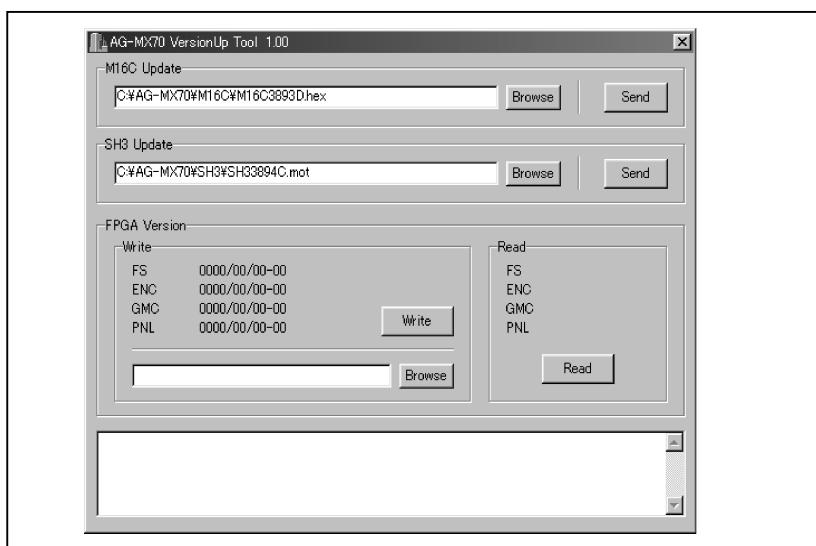


4. Settings
  - Set the switch next to the AG-MX70 jack panel's EDITOR terminal to RS232C.



### 3-4. Steps for updating the internal flash memory microprocessor

1. After completing "3-3. Preparations for updating the internal flash memory microprocessor", switch on the computer.
2. Switch on AG-MX70.
3. Start up the writing software. Double-click on the copy of Version Up Tool.EXE.
4. "AG-MX70 Version Up Tool 1.00" opens as follows.



5. On AG-MX70, press and hold [LUM], [AUDIO], [EFFECTS ON] and [5] and switch the power on. AG-MX70 comes on in the flash memory writing mode.
6. Press [+/-] on AG-MX70 to change the items on the LCD.
  - To update M1C, select [MX70 Flash Write Mode]
  - To update SH3, select [SH3 Flash Write Mode]Then press [→] (the arrow key at the bottom right of the numbered buttons).
7. Wait until the display on the LCD changes from "Now Flash Erase Please Wait" to "Flash Erase Finish Please Send Data".
8. In Version Up Tool 1.00, press the "Browse" button in the M16C Update column to update M16C, or the "Browse" button in SH3 Update to update SH3, and select the writing file.  
This is not necessary if the writing file is already in the box.
9. Writing starts when you press the Send button, next to the Browse button.  
Confirm that "Now Flash Writing" appears on AG-MX70's LCD.  
If the message doesn't appear or an error occurs, check the connections and start again.
10. Writing is complete when "Flash Write Complete Please Restart System" appears on AG-MX70's LCD.
11. Switch AG-MX70 off then on again and enter the SETUP menu. The version information appears by pressing and holding [SHIFT] and [8] for 3 seconds. Confirm that the version has changed.

### 3-5. Updating the PLD (Altera)

#### A. Preparation

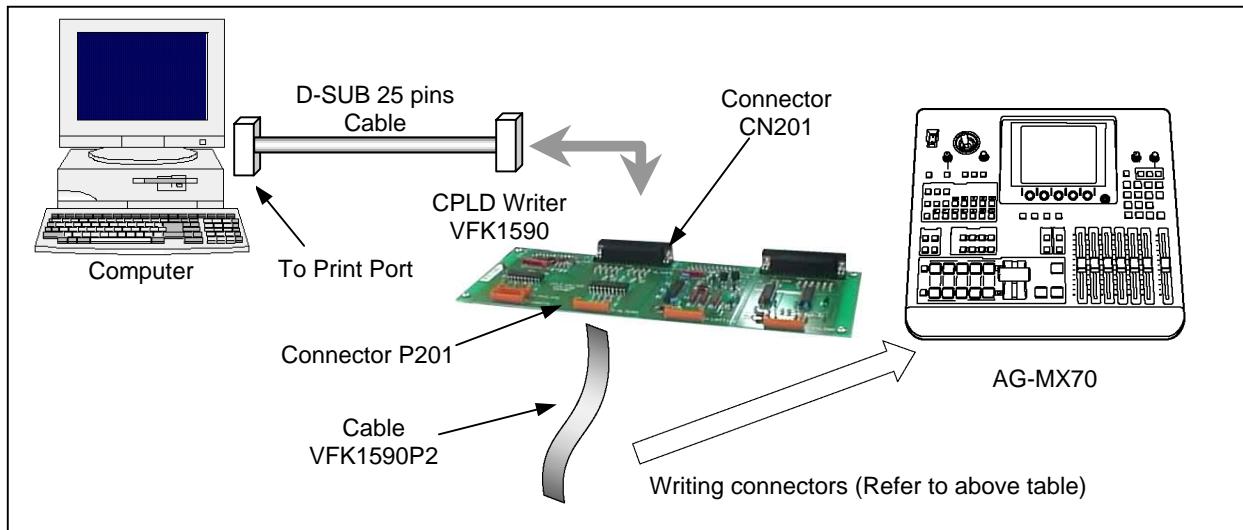
EQUIPMENT	REMARKS
CPLD Writer	VFK1590 VFK1590P2 (Cable: included with VFK1590)
25-pin-25-pin Cable	Straight (male-female), within 1 meter
Writing Software	MAX+plus II Software: WWW.altera.com./pub/software/asap2.exe Download from the URL and save in a directory
Version Updater	Tdf format or pof format file (Included in VSI**** file)
Computer	Windows 95 or 98 installed

#### B. Connection

1. Connect the computer and the CN201 connector (for Altera) on the CPLD writer (VFK1590) with the 25-pin-25-pin cable.
2. Connect the writing connectors on the FPGA and PGA you are updating to the P201 connector on the CPLD writer with the cable included with the CPLD writer (VFK1590).

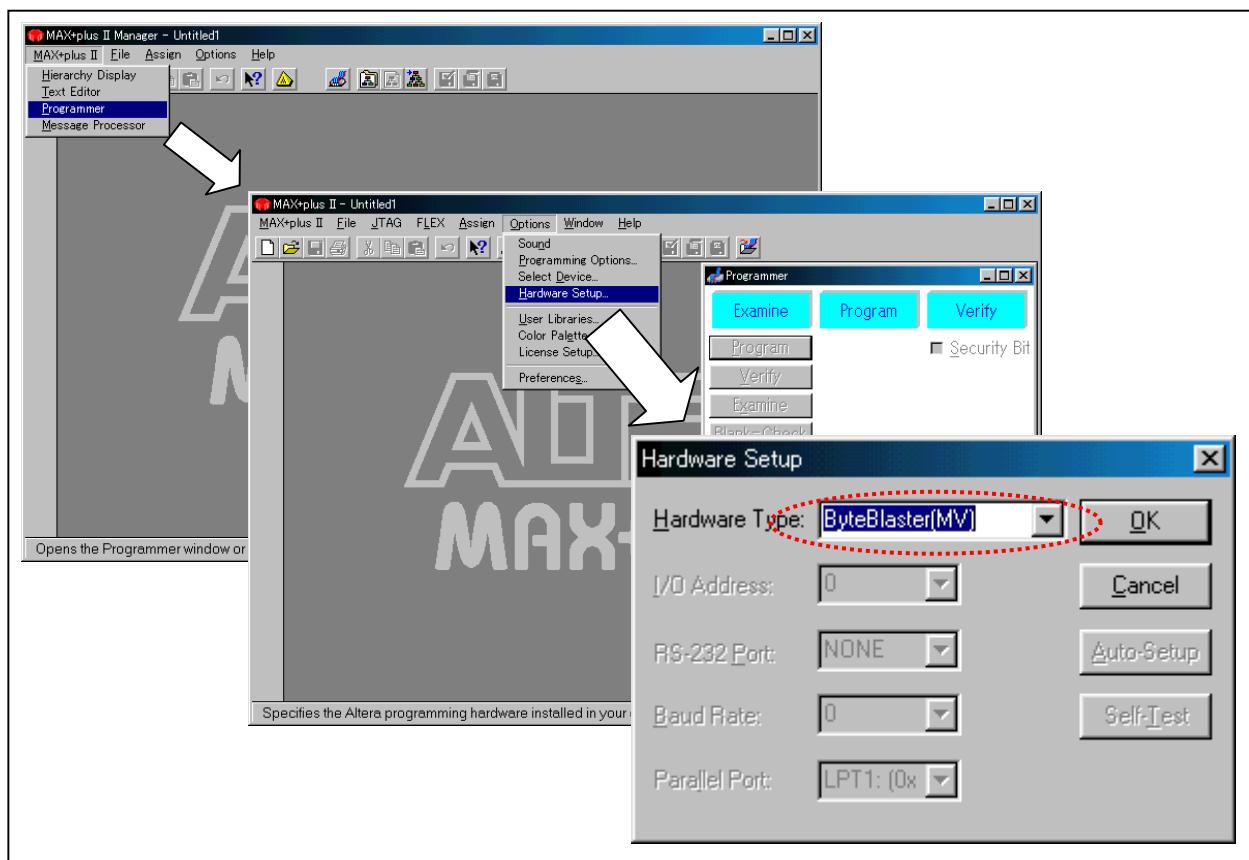
MODEL NO.	TYPE	NAME	REFERENCE NO.	WRITING CONNECTOR NO.	BOARD NAME	
AG-MX70	FPGA	FS	IC711, IC770	P1110	MAIN BOARD	
		ENC	IC1393			
		GMC	IC1330			
AG-YA70P	PLD	SDI	IP502	P500	SDI BOARD	
AG-VE70P		ASPECT	IP701	P250	3D BOARD	
		IO	IP650			
		YC LPF	IP256, IP306			
		YC MIX	IP651			

3. Start up the unit and the computer in Windows mode.
4. Copy all the VVVS\*\*\*\* files including “\*.jcf” to a floppy6 disc. Insert the floppy disc into your computer’s disc drive.

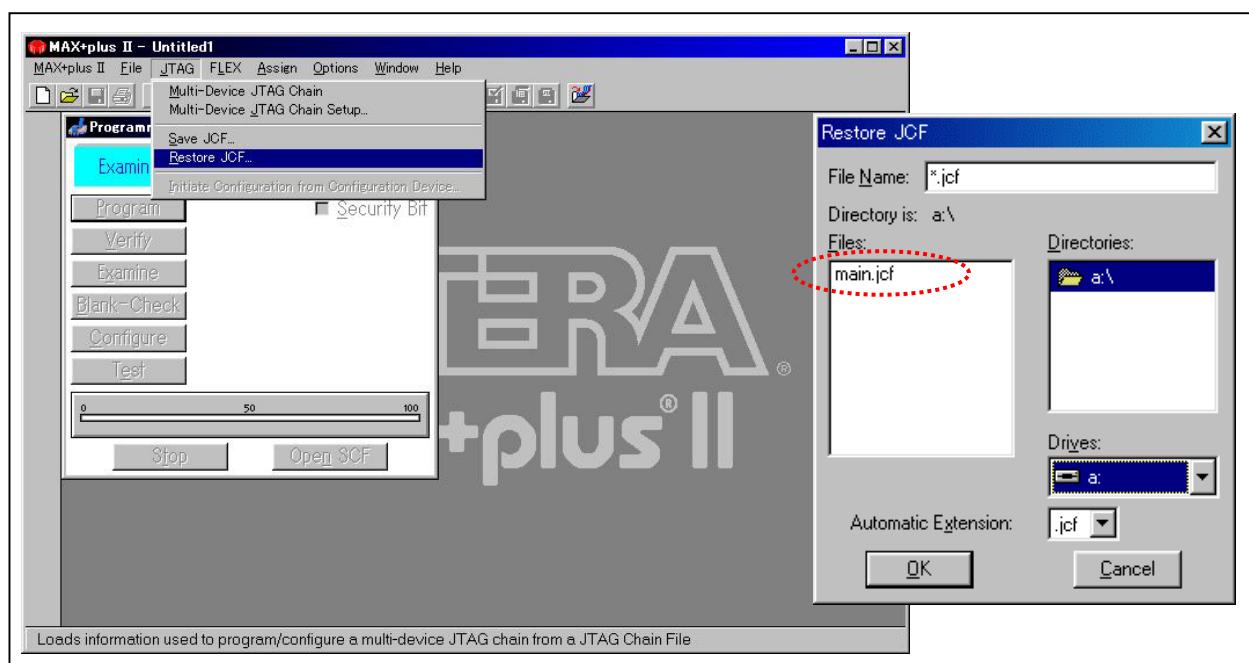


### C. Starting the writing software and steps for updating

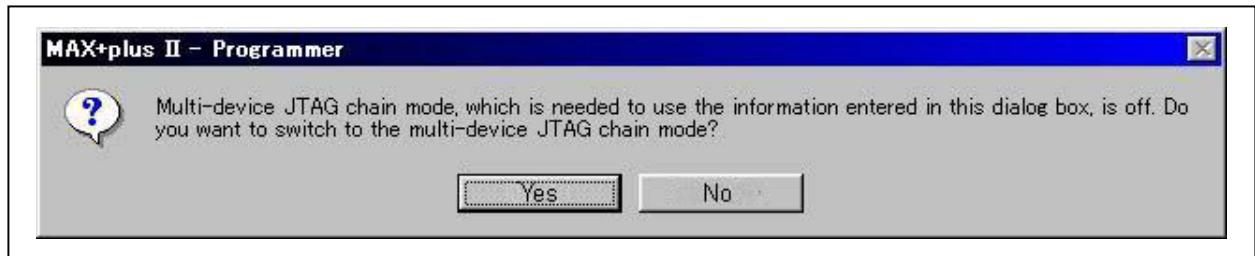
1. From the Windows START menu, select Program MAX+plus II\*.programmer only.
2. In the main window, from the MAX+plus II tab select Programmer.
3. In the main window after displaying the Programmer screen, from the Option tab select Hardware Setup.
4. In the Hardware Setup window, set Hardware Type to ByteBlaster (MV).



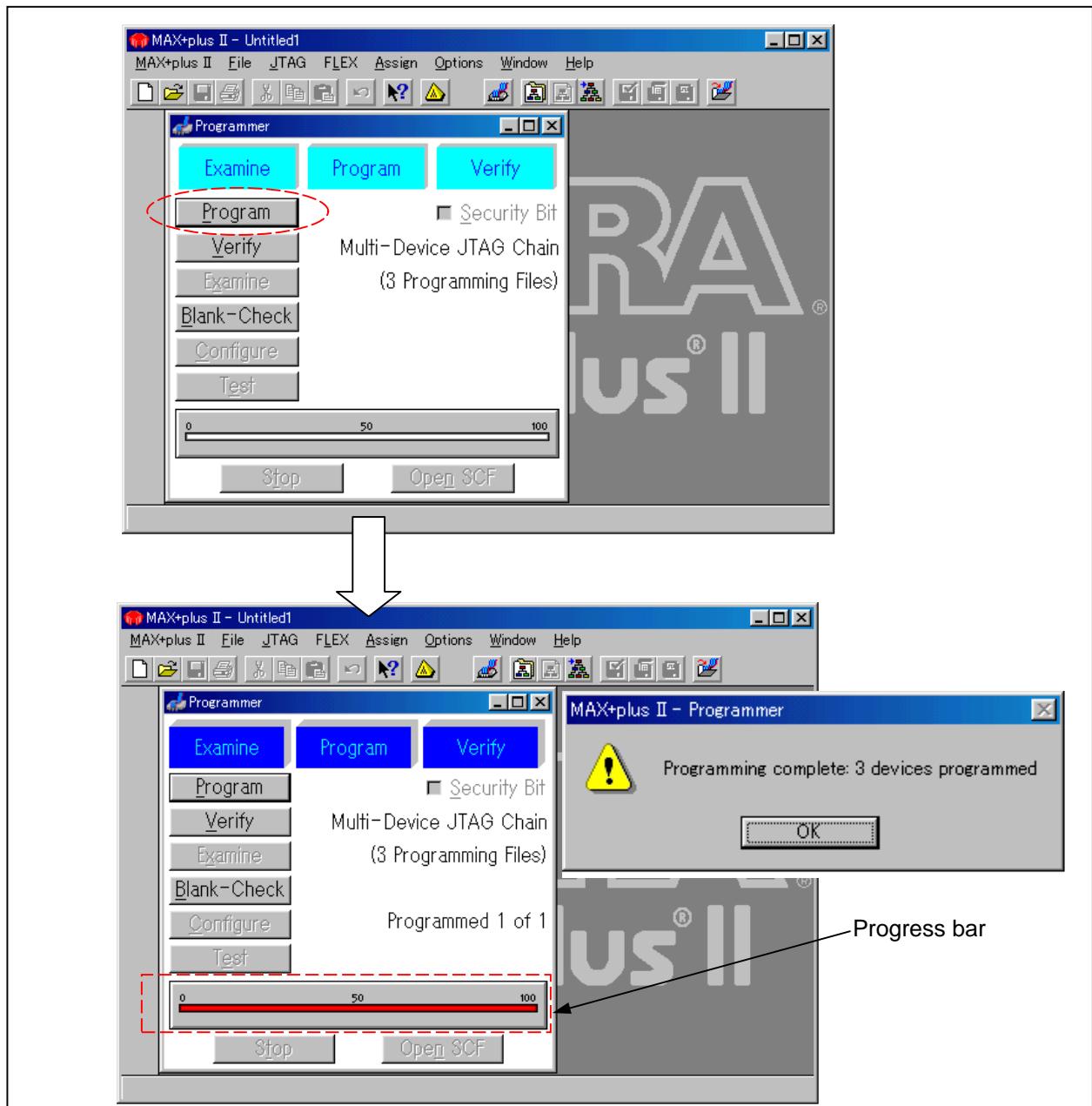
5. In the main window, from the JTAG tab select Restore JCF...
6. In the Restore JCF dialog, select the floppy disc drive [A:]: Next select "jcf format file (\*\*\*\*.jcf) and click OK.



7. If the following dialog appears, click Yes to proceed to the next step.



8. In the Programmer dialog, click Program.  
9. PLD writing is complete when the progress bar at the bottom of the dialog reaches 100. The message "Programming complete" appears, so click OK.



\* MAX+plus is a registered trademark of Altera Corporation in the United States and other countries.

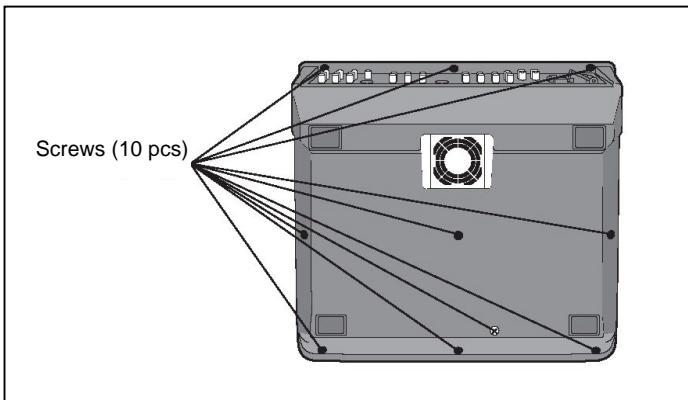
\* Windows 95 and Windows 98 are registered trademarks of Microsoft Corporation in the United States and other countries.

## 4. The way of attaching an option board

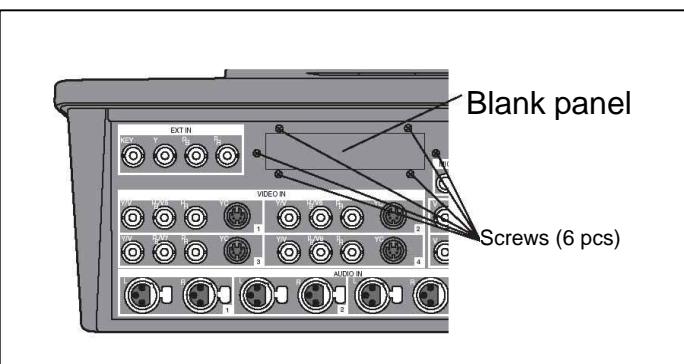
### 4-1. Installation of the AG-YA70P

The AG-YA70P is an interface board that enables the AG-MX70 to be connected to a serial digital interface (SDI). Follow the procedure below to install it.

1. Turn off the power of the AG-MX70 and remove the ten screws from the bottom panel.



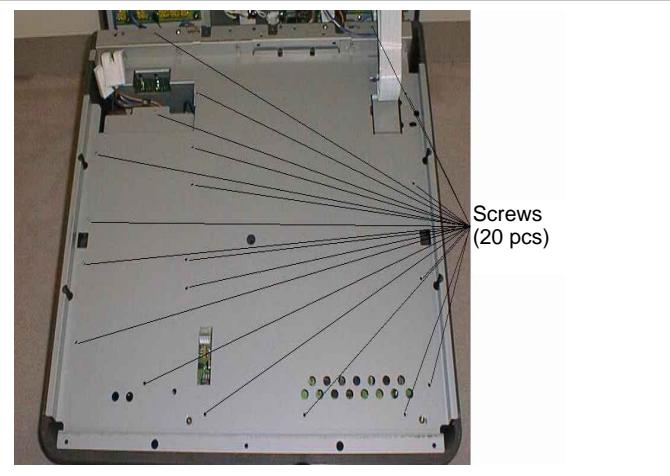
2. Remove the six screws from the rear panel, then remove the blank panel.



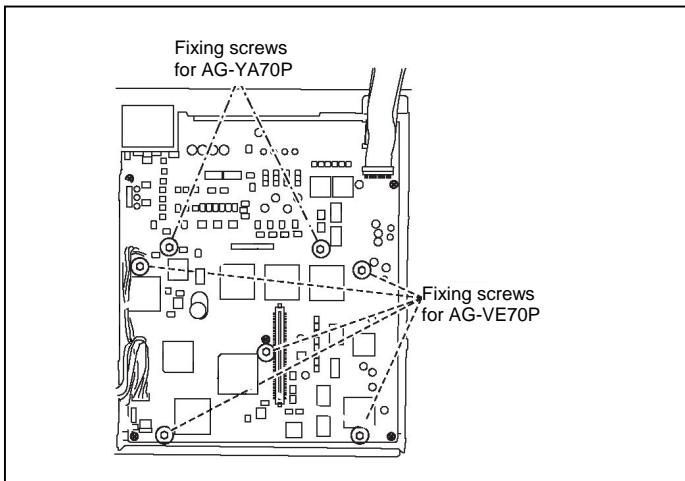
3. Open the top unit, including the LCD, from the front, then release the bands securing the flexible cable and blue cable of the unit.
4. Fix the unit perfectly upright so it does not topple. When removing the casing, ensure the flexible and other cables do not become detached.



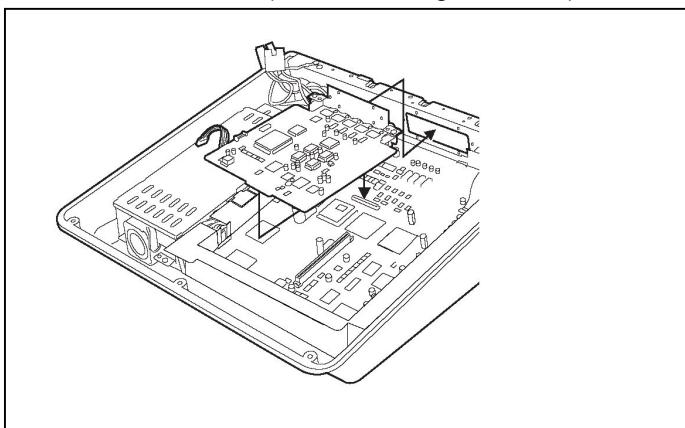
5. Remove the twenty screws from the shield casing, then remove the casing itself.



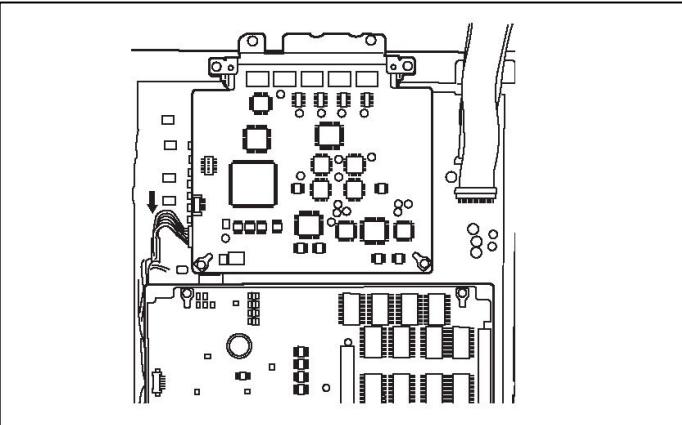
6. Remove the two hexagonal screws for anchoring the AG-YA70P to the motherboard.



7. Insert the AG-YA70P board. (Refer to the figure at left.)



8. Insert the cable from the AG-YA70P into the connector on the motherboard. (Refer to the figure at left.)

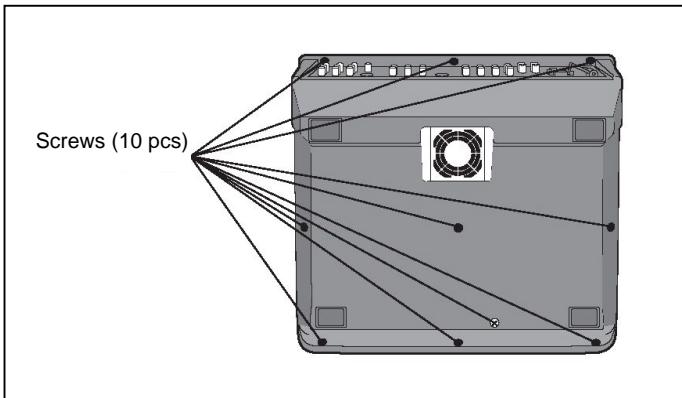


9. Secure the two screws which were removed in step 6.
10. Secure the shield casing and the twenty screws which were removed in step 5.
11. Re-attach the bands removed in step 3. and close the top unit.
12. Secure the six screws which were removed in step 2.
13. Secure the ten screws which were removed in step 1.

## 4-2. Installation of the AG-VE70P

The AG-VE70P is a 3D effect board that enables the 3D patterns, etc. of the AG-MX70 to be used. Follow the procedure below to install it.

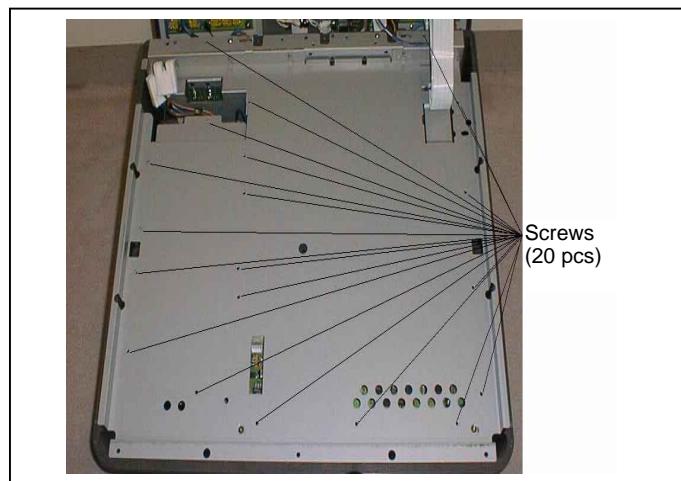
1. Turn off the power of the AG-MX70 and remove the ten screws from the bottom panel.



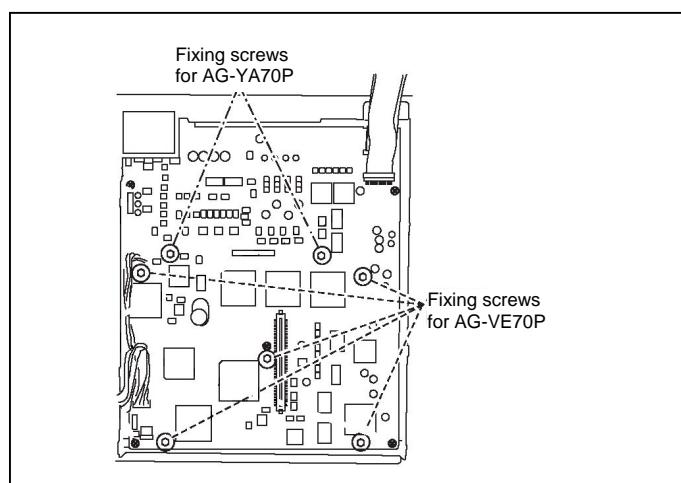
2. Open the unit in the top part including the LCD out toward the front, then release the bands securing the flexible cable and blue cable of the unit.
3. Fix the unit perfectly upright so it does not topple.  
When removing the casing, ensure the flexible and other cables do not become detached.



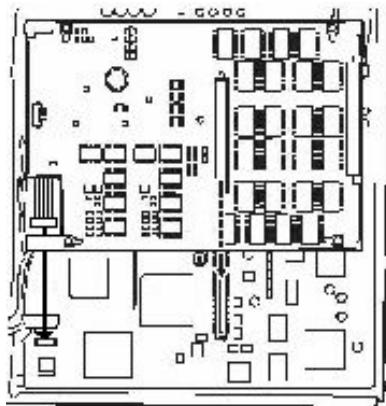
4. Remove the twenty screws from the shield casing, then remove the casing itself.



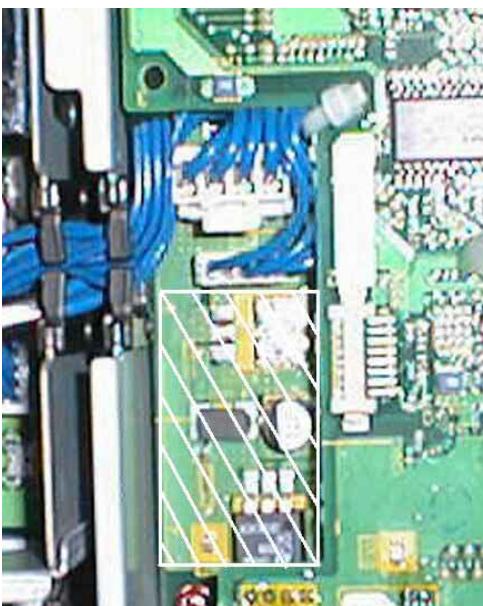
5. Remove the five hexagonal screws for anchoring the AG-VE70P to the motherboard.



6. Insert the AG-VE70P board. (Refer to the figure at right.)



7. Insert the cable from the AG-VE70P into the connector on the motherboard. (Refer to the figure at left.) Route the cables while carefully ensuring that they do not make contact with the transition lever unit.



8. Secure the five screws which were removed in step 5.
9. Secure the shield casing and the twenty screws which were removed in step 4.
10. Re-attach the bands removed in step 2. and close the top unit.
11. Secure the ten screws which were removed in step 1.

# **SECTION 2**

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## **DISASSEMBLY PROCEDURES**

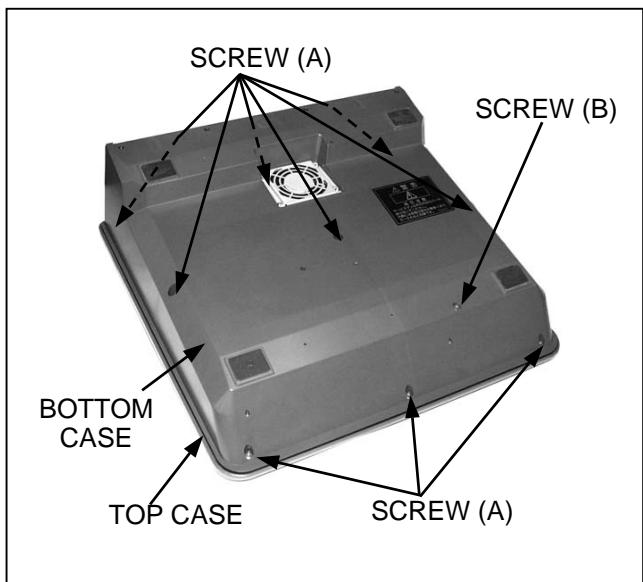
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### **CONTENTS**

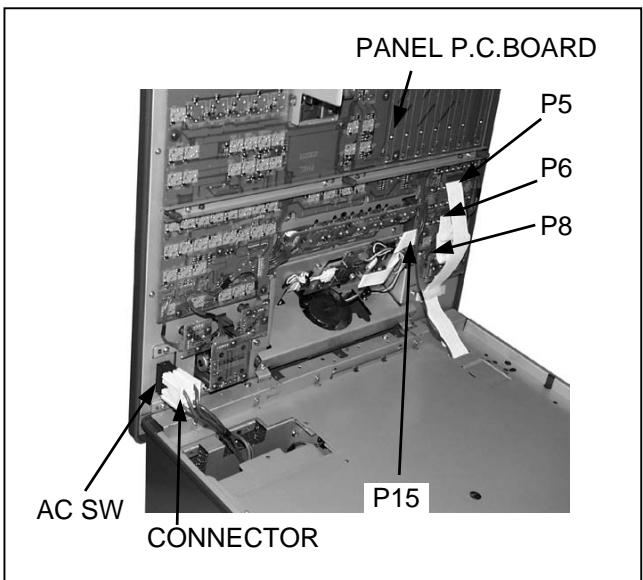
- |   |       |
|---|-------|
| 1. Removal the Top Case .....               | DIS-1 |
| 2. Removing the LCD Panel .....             | DIS-1 |
| 3. Removal the Top Case Fan Motor.....      | DIS-2 |
| 4. Removal the Bottom Case Fan Motor.....   | DIS-2 |
| 5. Removal the Power Unit.....              | DIS-2 |
| 6. Removal the Power Unit's Fan Motor ..... | DIS-2 |
| 7. Removal the Jack Unit .....              | DIS-3 |

## 1. Removal of the Top Case

1. Unscrew the 9 screws (A) and the screw (B) in the illustration.

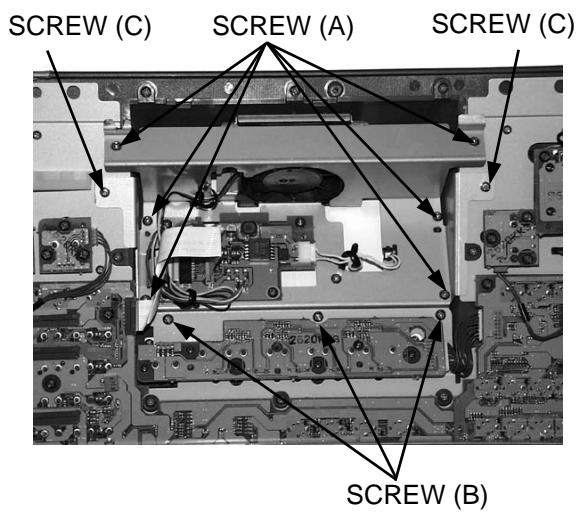


2. Open the Top Case and disconnect P15 connector on the Panel P.C.Board and the connector on AC SW.
3. Unlock P5, P6, and P8, disconnect the flexible cable and remove the Top Case.

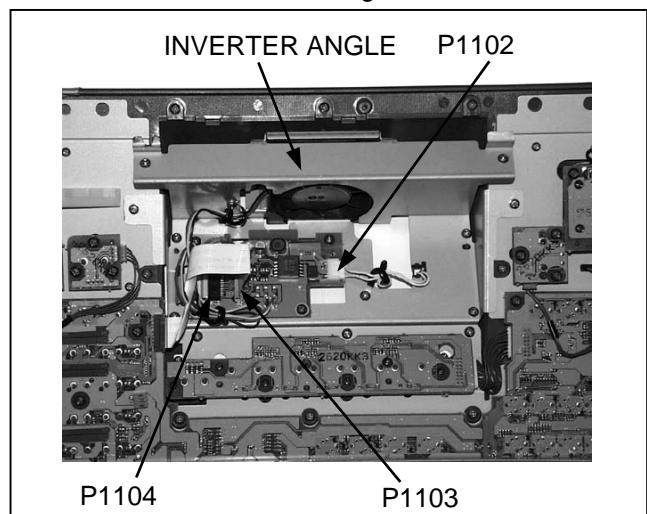


## 2. Removing the LCD Panel

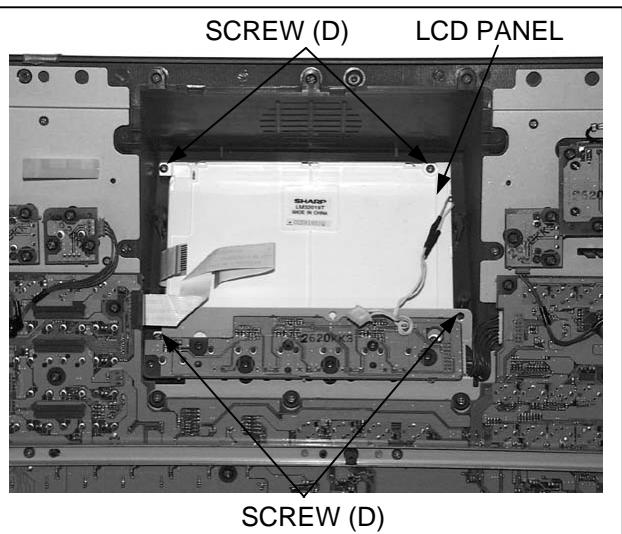
1. Remove the Top Case.
2. Unscrew the 6 screws (A), the 3 screws (B), and the 2 screws (C) in the illustration.



3. Disconnect connectors P1102, P1103, and P1104 and remove the Inverter Angle.

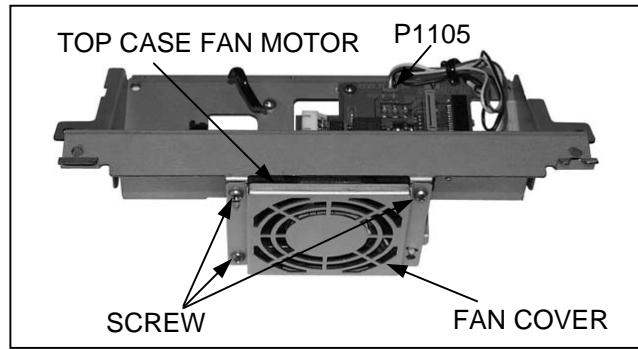


4. Unscrew the 4 screws (D) and remove the LCD Panel.



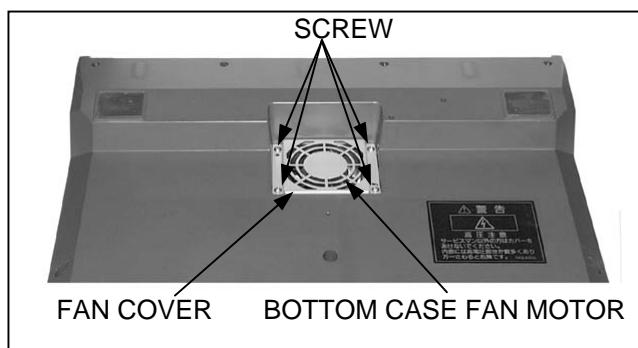
### 3. Removal the Top Case Fan Motor

1. Remove the Top Case.
2. Remove the Inverter Angle. (See "Removal the LCD Panel")
3. Unscrew the 3 screws and remove the Fan Cover.
4. Disconnect connector P1105 and remove the Top Case Fan Motor.



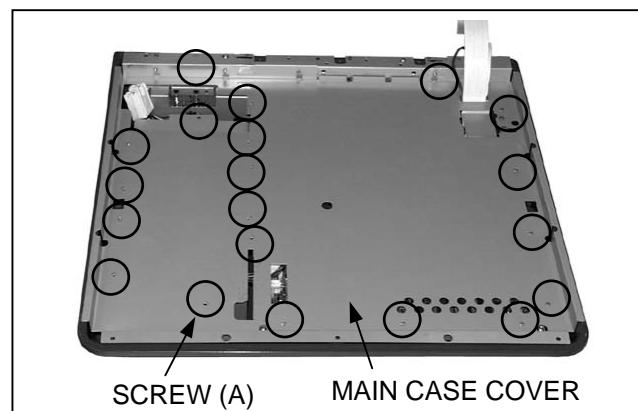
### 4. Removal the Bottom Case Fan Motor

1. Unscrew the 4 screws and remove the Fan Cover.
2. Remove the Bottom Case Fan Motor and disconnect the connectors.



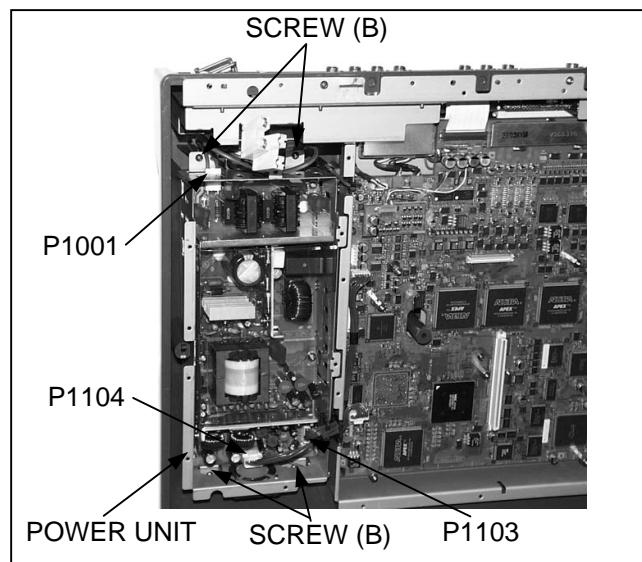
### 5. Removal the Power Unit

1. Remove the Top Case.
2. Unscrew the 20 screws (A) and remove the Main Case Cover.



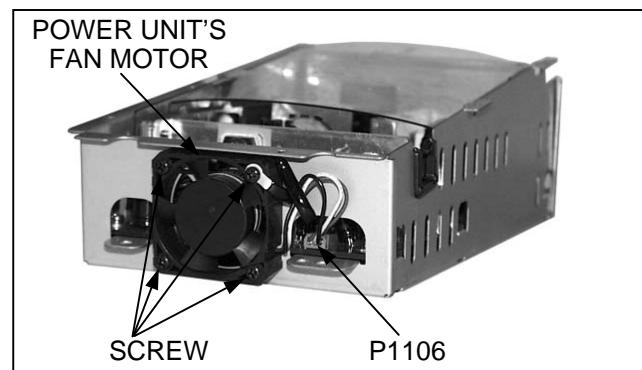
3. Unscrew the 4 screws (B).

4. Disconnect P1001, P1103 and P1104 and remove the Power Unit.



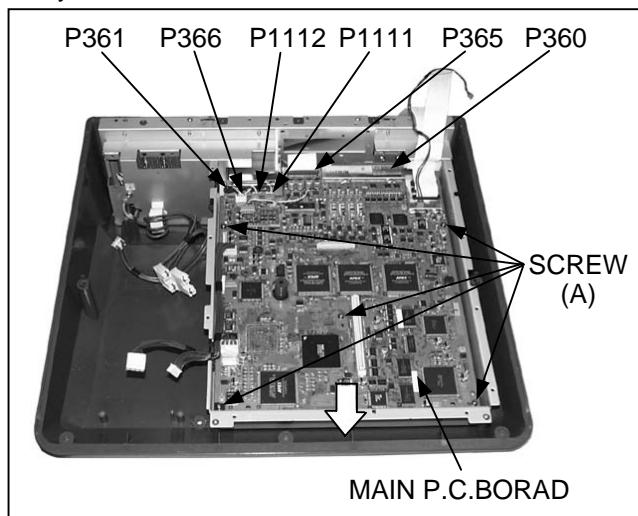
### 6. Removal the Power Unit's Fan Motor

1. Remove the Power Unit.
2. Unscrew the 4 screws.
3. Disconnect connector P1106 and remove the Power Unit's Fan Motor.

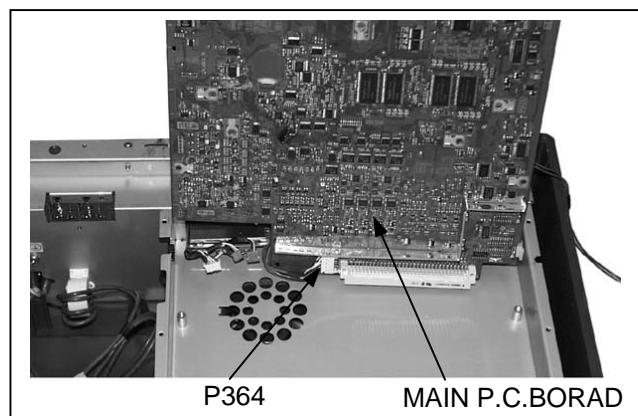


## 7. Removal the Jack Unit

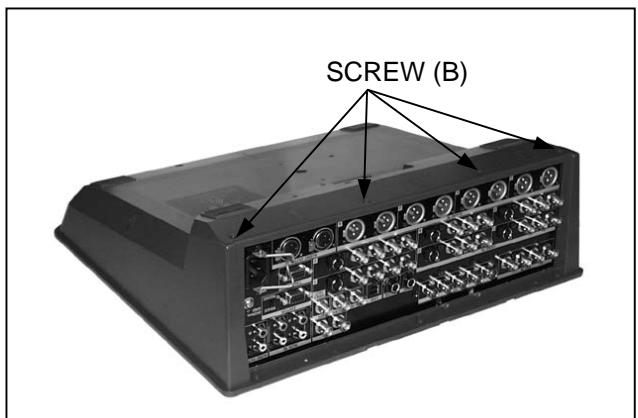
1. Remove the Power Unit.
2. Unscrew the 5 screws (A).
3. Disconnect connectors P361, P366, P1111, and P1112, unlock connector P365, and disconnect the flexible cable.
4. Slide the Main P.C.Board in the direction indicated by the arrow and disconnect connector P360.



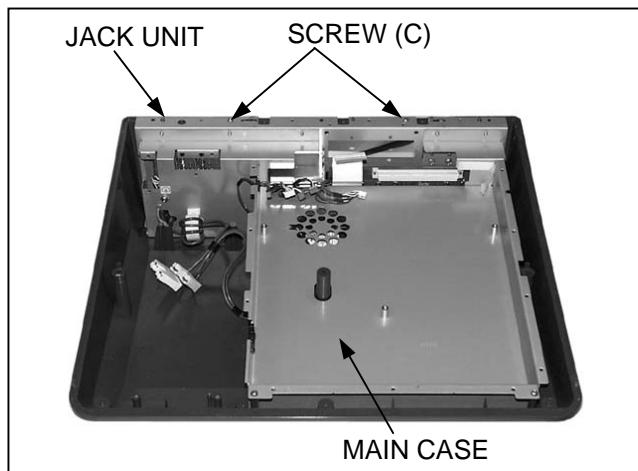
5. Lift the Main P.C.Board as shown in the illustration, disconnect connector P364, and remove the Main P.C.Board.



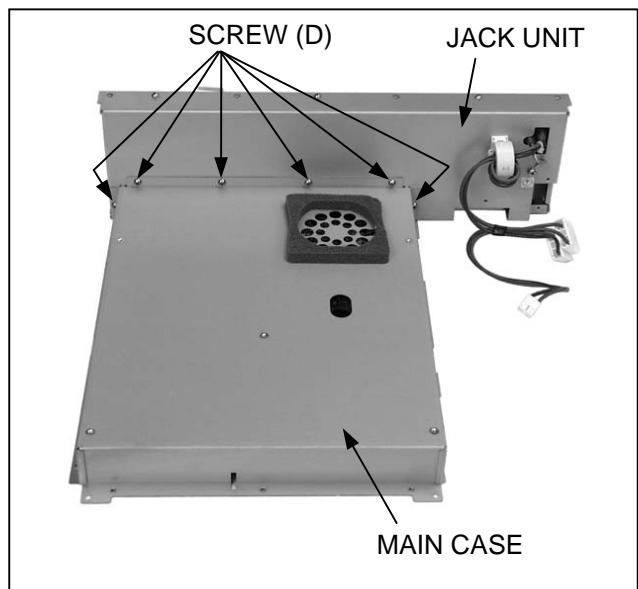
6. Unscrew the 4 screws (B).



7. Unscrew the 2 screws (C) and remove the Jack Unit along with the Main Case.



8. Unscrew the 6 screws (D) and separate the Jack Unit from the Main Case.



# SECTION 3

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## ELECTRICAL ADJUSTMENTS

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# 1. MAIN

## 1-1. PLL Free Run Frequency Adjustment

BOARD	MAIN BOARD
TP	TP1393
ADJ.	VR1490
INPUT	No Input to EXT-Y, EXT-Key, and G/L
MODE	—
M.EQ	Frequency Counter
SPEC.	Within 27, 000, 000 MHz $\pm 30$ Hz

1. Measure TP1393 with the frequency counter and adjust VR1490 so it meets the above specifications.

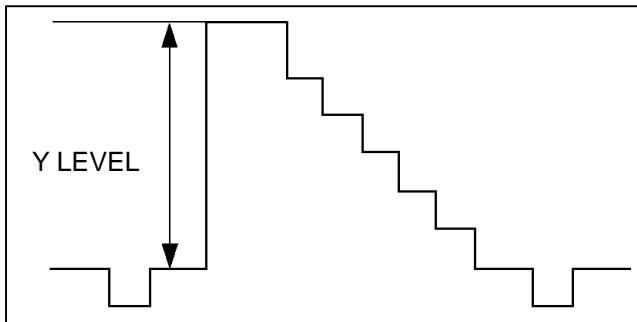
Note:

If there are input signals to EXT-Y, EXT-Key, and G/L, PLL will respond to the signals so there will be no change even if you adjust the frequency with VR1490.

## 1-2. Adjustment of Y output gain of component signals

BOARD	MAIN BOARD
TP	VIDEO OUT, Y1 or Y2
ADJ.	VR1524 (Y)
INPUT	—
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = colorbar
M.EQ	Oscilloscope
SPEC.	Y level: within 700 $\pm 14$ mV

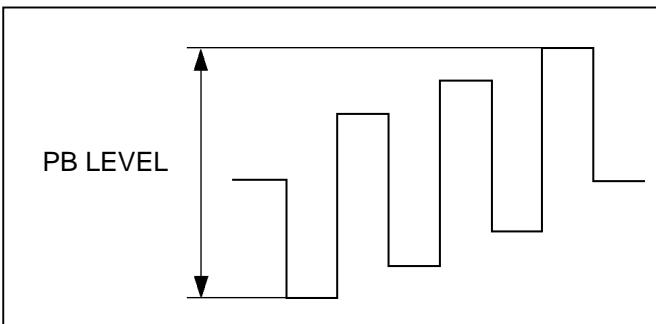
1. Adjust VR1524 (Y) so the Y1 or Y2 level of VIDEO OUT becomes 700 $\pm 14$  mV.



## 1-3. Adjustment of PB output gain of component signals

BOARD	MAIN BOARD
TP	VIDEO OUT, PB1 or PB2
ADJ.	VR1522 (PB)
INPUT	—
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = colorbar
M.EQ	Oscilloscope
SPEC.	PB level: within 525 $\pm 10$ mV

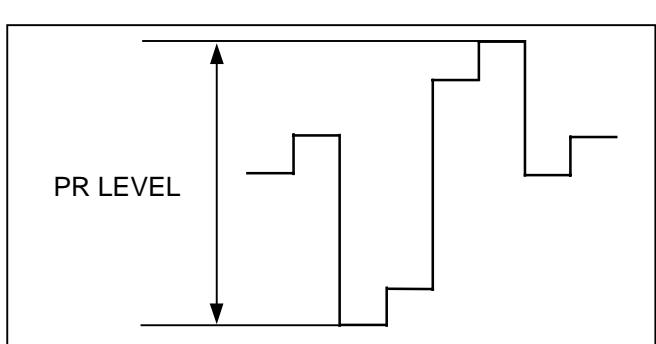
1. Adjust VR1522 (PB) so the PB1 or PB2 level of VIDEO OUT becomes 525 $\pm 10$  mV.



## 1-4. Adjustment of PR output gain of component signals

BOARD	MAIN BOARD
TP	VIDEO OUT, PR1 or PR2
ADJ.	VR1520 (PR)
INPUT	—
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = colorbar
M.EQ	Oscilloscope
SPEC.	PR level: within 525 $\pm 10$ mV

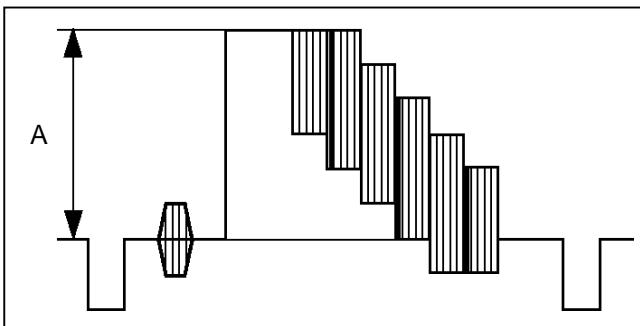
1. Adjust VR1520 (PR) so the PR1 or PR2 level of VIDEO OUT becomes 525 $\pm 10$  mV.



## 1-5. Adjustment of output gain of composite signals

BOARD	MAIN BOARD
TP	VIDEO OUT, V1 or V2
ADJ.	VR1525 (VIDEO)
INPUT	—
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = color bar
M.EQ	Oscilloscope
SPEC.	A = within $700 \pm 14$ mV

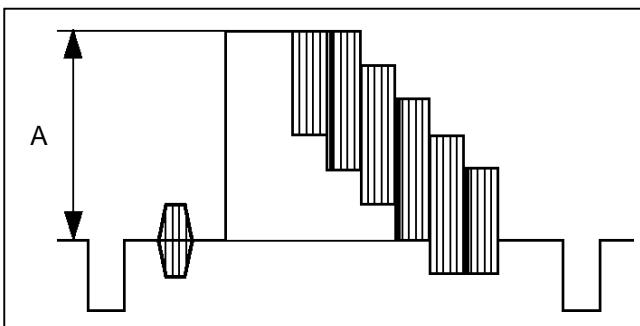
1. Adjust VR1525 (VIDEO) so the composite signal output level of V1 or V2 level of VIDEO OUT becomes  $700 \pm 14$  mV.



## 1-6. Adjust output gain of PVW (preview)

BOARD	MAIN BOARD
TP	PREVIEW
ADJ.	VR1521 (AUX)
INPUT	—
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = color bar
M.EQ	Oscilloscope
SPEC.	A = within $700 \pm 14$ mV

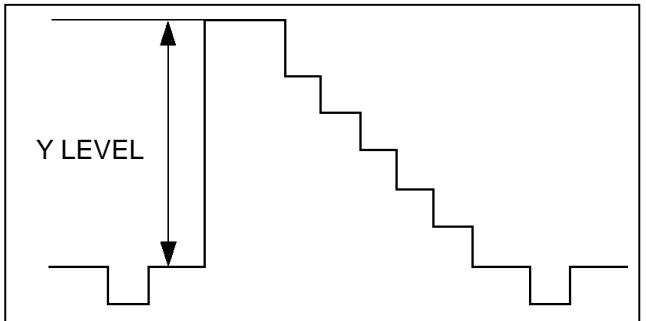
1. Adjust VR1521 (AUX) so the composite signal output level PVW (preview) becomes  $700 \pm 14$  mV.



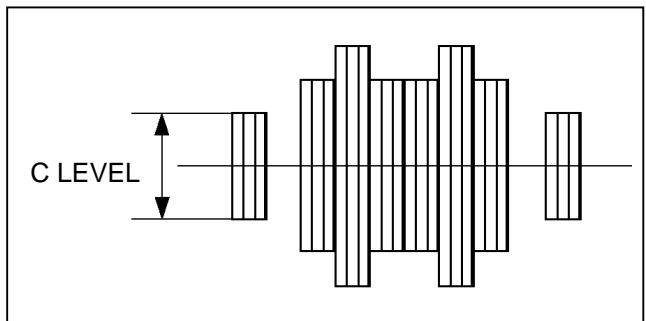
## 1-7. Adjustment of output gain of Y/C (S terminal) signals

BOARD	MAIN BOARD
TP	VIDEO OUT, YC1 or YC2
ADJ.	VR1561 (YCT), VR1523 (YCC)
INPUT	—
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = color bar
M.EQ	Oscilloscope
SPEC.	Y level: within $700 \pm 14$ mV C level: within $300 \pm 6$ mV

1. Adjust VR1561 (YCT) so the Y level of YC1 or YC2 of VIDEO OUT becomes  $700 \pm 14$  mV.



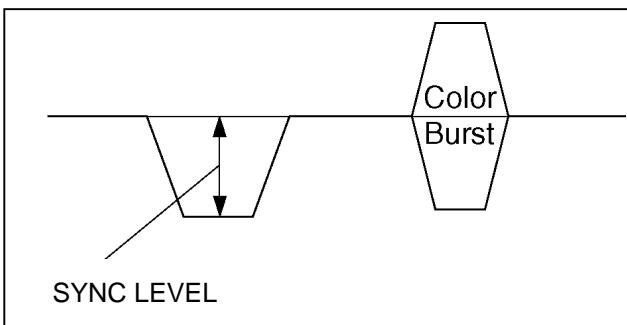
2. Adjust VR1523 (YCC) so the C level of YC1 or YC2 of VIDEO OUT becomes  $300 \pm 6$  mV.



## 1-8. Adjustment of output gain of ADV-REF signals

BOARD	MAIN BOARD
TP	ADV-REF
ADJ.	VR1560 (REF)
INPUT	—
MODE	—
M.EQ	Oscilloscope
SPEC.	SYNC level: within $300 \pm 6$ mV

1. Adjust VR1560 (REF) so the SYNC level of ADV-REF becomes  $300 \pm 6$  mV



## 1-9. Preparation before starting the adjustment menu

BOARD	—
TP	—
ADJ.	—
INPUT	—
MODE	Adjustment menu mode
M.EQ	—
SPEC.	—

Do the following before starting the adjustment menu.

1. Make the pattern No.=0002.
  - a Press the **PATTERN** key (at the top left of the 10 key block) to light it.  
You do not have to press it if it is already lit.
  - b Press **0**, **0**, **0**, **2**, **↓** in order.  
The pattern No. is set to 0002.
2. Set SOURCE-1 to analog component input.
  - a In the LCD menu: Select the SETUP/Audio Video/InputSetup line.
  - b Press **↓** once. “OK?” appears.
  - c Press **↓** once again.  
The AudioVideoSetup screen appears.
  - d Change “Video” in the top line (“V S-1”) to “Y Pb Pr” with the rotary encoder.
  - e Press **↓** to exit the Audio Video Setup screen.

3. Confirm the settings: You do not have to do this if you have not changed the settings from the default.
  - a In the LCD menu: Check that SETUP/Gen. Lock/Refin = G/L. If it is not, change it so it is.

## 1-10. Starting the adjustment menu

BOARD	—
TP	—
ADJ.	—
INPUT	—
MODE	Adjustment menu mode
M.EQ	—
SPEC.	—

Start the adjustment menu.

1. Press **SETUP** so the SET UP screen appears on the LCD.
2. Press and hold **9** and **SHIFT** (in the 10-key block) for 3 seconds.

The adjustment menu appears on the LCD.

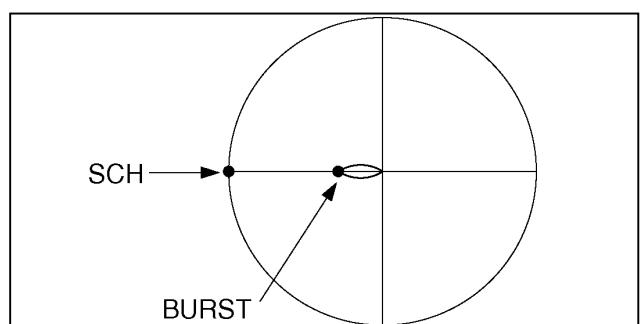
3. In order, press **0**, **2**, **6**, **—** and **↓**.

The unit is now ready to accept commands from the rotary encoder.

## 1-11. SCH adjustment

BOARD	MAIN BOARD
TP	VIDEO OUT V1 or V2
ADJ.	Adjustment menu/ rotary encoder
INPUT	—
MODE	Adjustment menu, A bus, B bus = SOURCE-1
M.EQ	SCH meter
SPEC.	SCH: within $0 \pm 2^\circ$

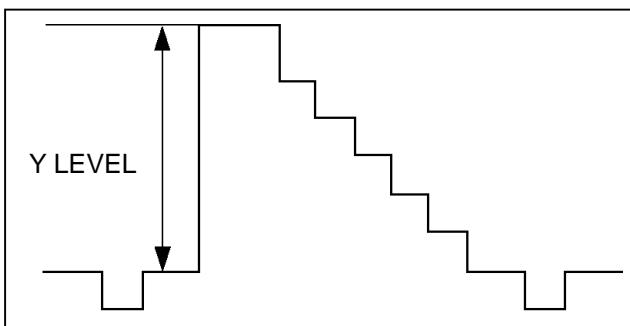
1. Adjust the SCH in the adjustment menu so the SCH of VIDEO OUT V1 or V2 becomes  $0 \pm 2^\circ$ .



## 1-12. Adjust component Y input signal gain of the A bus

BOARD	MAIN BOARD
TP	VIDEO OUT Y1 or Y2
ADJ.	Adjustment menu/rotary encoder (Y-Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to A bus side
M.EQ	Oscilloscope
SPEC.	Y level: within $700\pm14mV$

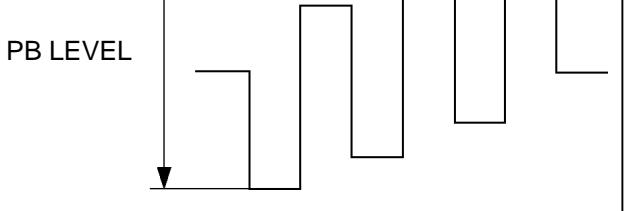
1. Use the rotary encoder to select "A-bus" in the adjustment menu.
2. Use the rotary encoder to adjust "Y-Gain" so the level of VIDEO OUT Y1 or Y2 becomes  $700\pm14mV$ .



## 1-13. Adjust component PB input signal gain of the A bus

BOARD	MAIN BOARD
TP	VIDEO OUT PB 1 or PB 2
ADJ.	Adjustment menu/rotary encoder (Pb -Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to A bus side
M.EQ	Oscilloscope
SPEC.	PB level: within $525\pm10mV$

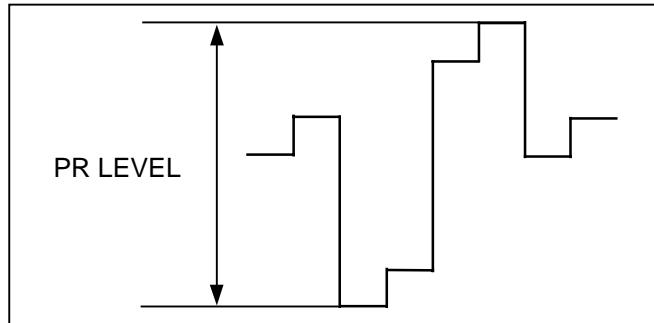
1. Use the rotary encoder to select "A-bus" in the adjustment menu.
2. Use the rotary encoder to adjust "PB -Gain" so the level of VIDEO OUT PB 1 or PB 2 becomes  $525\pm10mV$ .



## 1-14. Adjust component PR input signal gain of the A bus

BOARD	MAIN BOARD
TP	VIDEO OUT PR 1 or PR 2
ADJ.	Adjustment menu/rotary encoder (Pr -Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to A bus side
M.EQ	Oscilloscope
SPEC.	PR level: within $525\pm10mV$

1. Use the rotary encoder to select "A-bus" in the adjustment menu.
2. Use the rotary encoder to adjust "Pr -Gain" so the level of VIDEO OUT PR 1 or PR 2 becomes  $525\pm10mV$ .

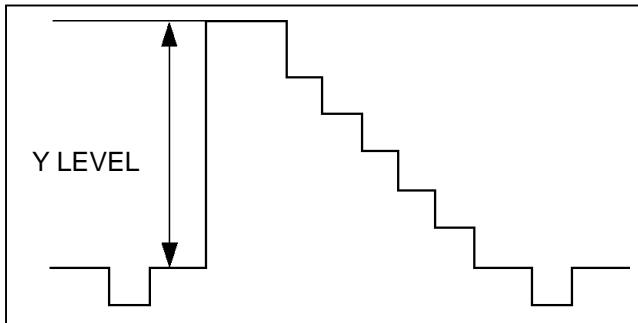


## 1-15. Adjust component Y input signal gain of the B bus

BOARD	MAIN BOARD
TP	VIDEO OUT Y1 or Y2
ADJ.	Adjustment menu/rotary encoder (Y-Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to center position (Both A and B buses appear on the monitor)
M.EQ	Oscilloscope
SPEC.	Y level: within $700\pm14mV$

1. Use the rotary encoder to select “B-bus” in the adjustment menu.
2. Use the rotary encoder to adjust “Y-Gain” so the level of VIDEO OUT Y1 or Y2 becomes  $700\pm14mV$ .

When doing this, check that the 100% white part of the oscilloscope wave is the same level as the A bus side.



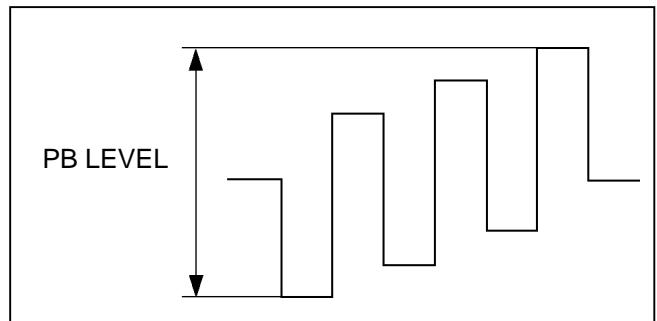
## 1-16. Adjust component PB input signal gain of the B bus

BOARD	MAIN BOARD
TP	VIDEO OUT PB 1 or PB 2
ADJ.	Adjustment menu/rotary encoder (Pb-Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to center position (Both A and B buses appear on the monitor)
M.EQ	Oscilloscope
SPEC.	PB level: within $525\pm10mV$

1. Use the rotary encoder to select “B-bus” in the adjustment menu.

2. Use the rotary encoder to adjust “PB -Gain” so the level of VIDEO OUT PB 1 or PB 2 becomes  $525\pm10mV$ .

When doing this, check that the oscilloscope wave is the same level as the A bus side.

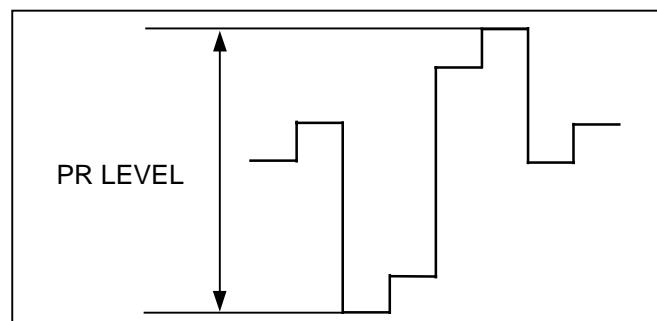


## 1-17. Adjust component PR input signal gain of the B bus

BOARD	MAIN BOARD
TP	VIDEO OUT PR 1 or PR 2
ADJ.	Adjustment menu/rotary encoder (Pr-Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to center position (Both A and B buses appear on the monitor)
M.EQ	Oscilloscope
SPEC.	PR level: within $525\pm10mV$

1. Use the rotary encoder to select “B-bus” in the adjustment menu.
2. Use the rotary encoder to adjust “Pr -Gain” so the level of VIDEO OUT PR 1 or PR 2 becomes  $525\pm10mV$ .

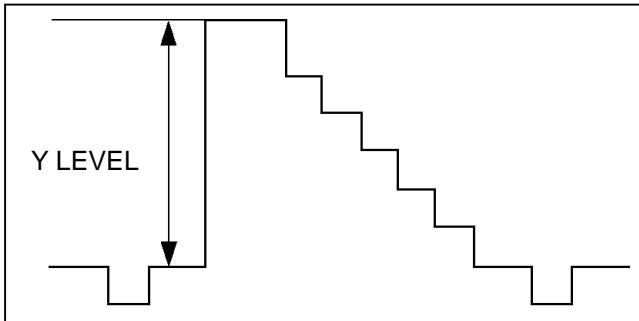
When doing this, check that the oscilloscope wave is the same level as the A bus side.



## 1-18. Adjustment of EXT input signal gain

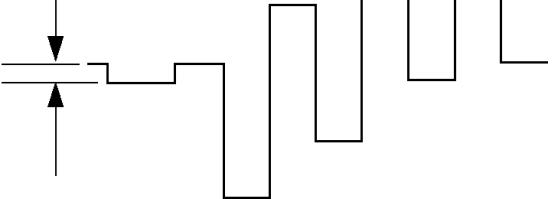
BOARD	MAIN BOARD
TP	VIDEO OUT Y1 or Y2
ADJ.	Adjustment menu/rotary encoder (EXT)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = EXT Take lever to either A or B bus
M.EQ	Oscilloscope
SPEC.	Y level: within $700\pm14\text{mV}$

1. Use the rotary encoder to select "EXT" in the adjustment menu.
2. Use the rotary encoder to adjust "Y-Gain" so the level of VIDEO OUT Y1 or Y2 becomes  $700\pm14\text{mV}$ .



OFFSET LEVEL

DIFFERENCE



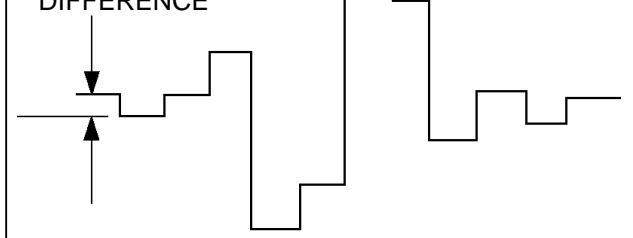
## 1-20. Adjustment of EXT input signal PR offset

BOARD	MAIN BOARD
TP	VIDEO OUT PR 1 or PR 2
ADJ.	Adjustment menu/rotary encoder (Pr -OFST)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = EXT Take lever to either A or B bus
M.EQ	Oscilloscope
SPEC.	Difference between PR basic level and PR signal offset level: within $0\pm5\text{mV}$

1. Use the rotary encoder to select "EXT" in the adjustment menu.
2. Use the rotary encoder to adjust "PR -OFST" so difference between PR basic level and PR signal offset level is  $0\pm5\text{mV}$  for VIDEO OUT PR 1 or PR 2.

OFFSET LEVEL

DIFFERENCE



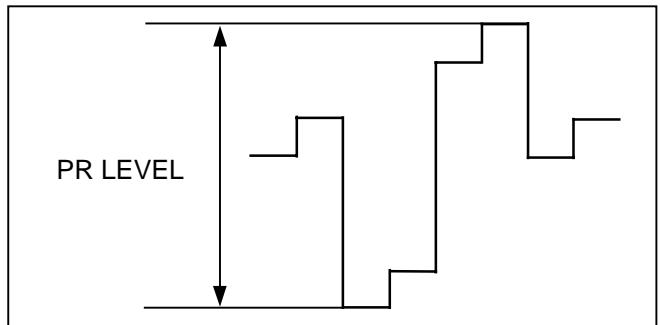
## 1-19. Adjustment of EXT input signal PB offset

BOARD	MAIN BOARD
TP	VIDEO OUT PB 1 or PB 2
ADJ.	Adjustment menu/rotary encoder (Pb -OFST)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = EXT Take lever to either A or B bus
M.EQ	Oscilloscope
SPEC.	Difference between PB basic level and PB signal offset level: within $0\pm5\text{mV}$

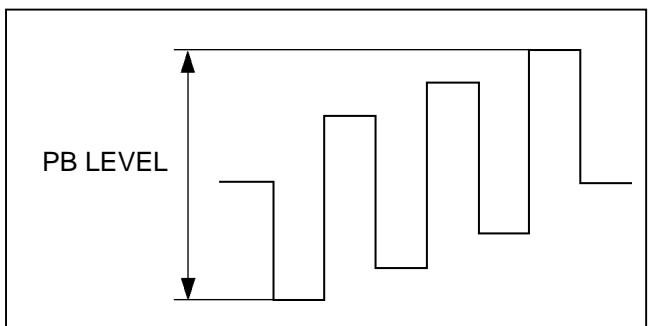
1. Use the rotary encoder to select "EXT" in the adjustment menu.
2. Use the rotary encoder to adjust "PB -OFST" so difference between PB basic level and PB signal offset level is  $0\pm5\text{mV}$  for VIDEO OUT PB 1 or PB 2.

## 1-21. Adjustment of EXT input signal PB gain

BOARD	MAIN BOARD
TP	VIDEO OUT PB 1 or PB 2
ADJ.	Adjustment menu/rotary encoder (Pb -Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = EXT Take lever to either A or B bus
M.EQ	Oscilloscope
SPEC.	PB level: within $525\pm10\text{mV}$



1. Use the rotary encoder to select “EXT” in the adjustment menu.
2. Use the rotary encoder to adjust “PB -Gain” so the level of VIDEO OUT PB 1 or PB 2 becomes  $525\pm10\text{mV}$ .



## 1-22. Adjustment of EXT input signal PR gain

BOARD	MAIN BOARD
TP	VIDEO OUT PR 1 or PR 2
ADJ.	Adjustment menu/rotary encoder (Pr -Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = EXT Take lever to either A or B bus
M.EQ	Oscilloscope
SPEC.	PR level: within $525\pm10\text{mV}$

1. Use the rotary encoder to select “EXT” in the adjustment menu.
2. Use the rotary encoder to adjust “Pr -Gain” so the level of VIDEO OUT PR 1 or PR 2 becomes  $525\pm10\text{mV}$ .

# **SECTION 4**

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## **BLOCK DIAGRAMS**

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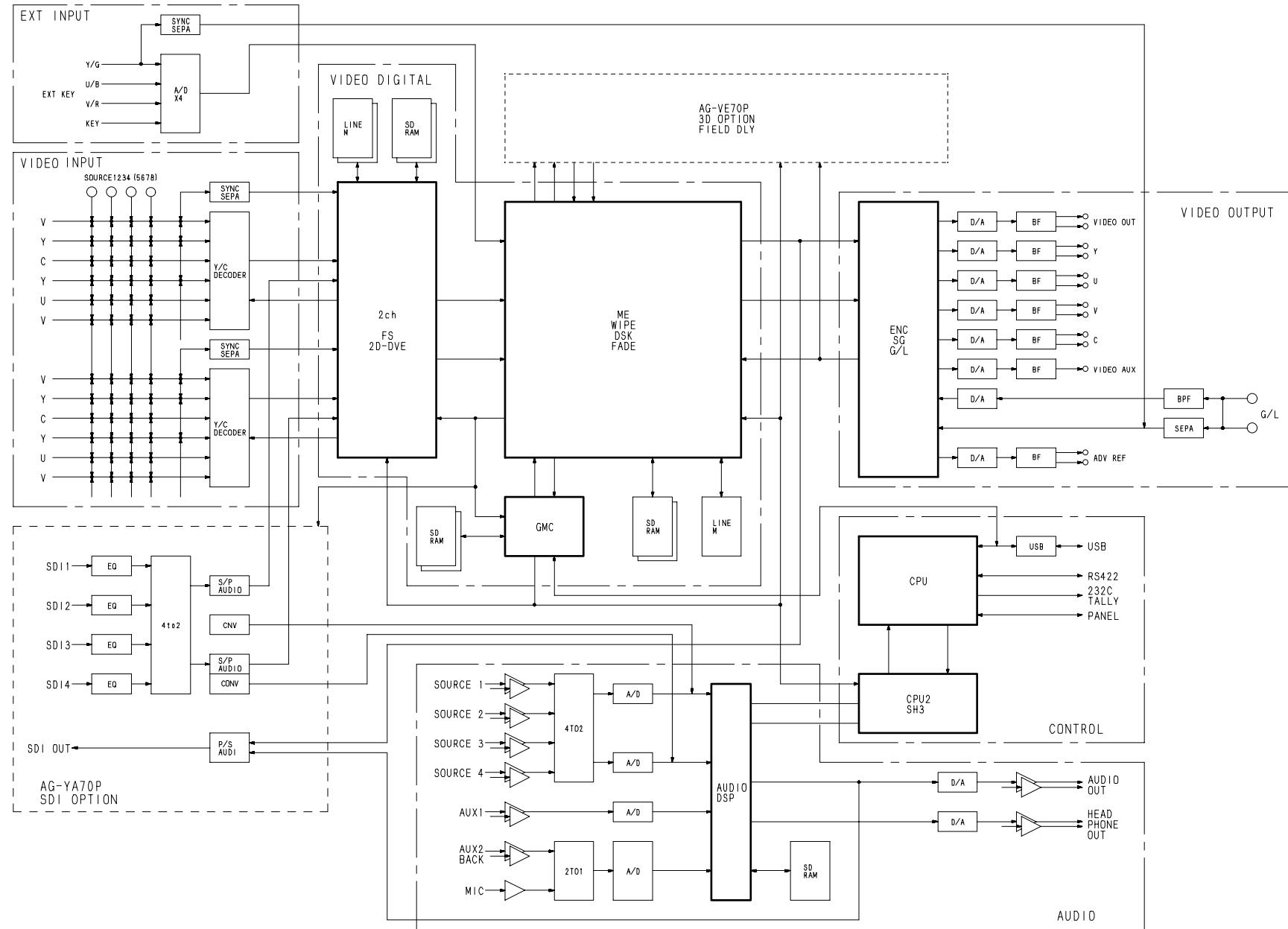
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OVERALL BLOCK DIAGRAM .....	BLK-1
VIDEO INPUT BLOCK DIAGRAM.....	BLK-2
EXT INPUT BLOCK DIAGRAM .....	BLK-3
VIDEO DIGITAL BLOCK DIAGRAM.....	BLK-4
VIDEO OUTPUT BLOCK DIAGRAM .....	BLK-5
AUDIO BLOCK DIAGRAM .....	BLK-6
CONTROL BLOCK DIAGRAM.....	BLK-7
AG-YA70P SDI BLOCK DIAGRAM.....	BLK-8
AG-VE70P 3D BLOCK DIAGRAM .....	BLK-9

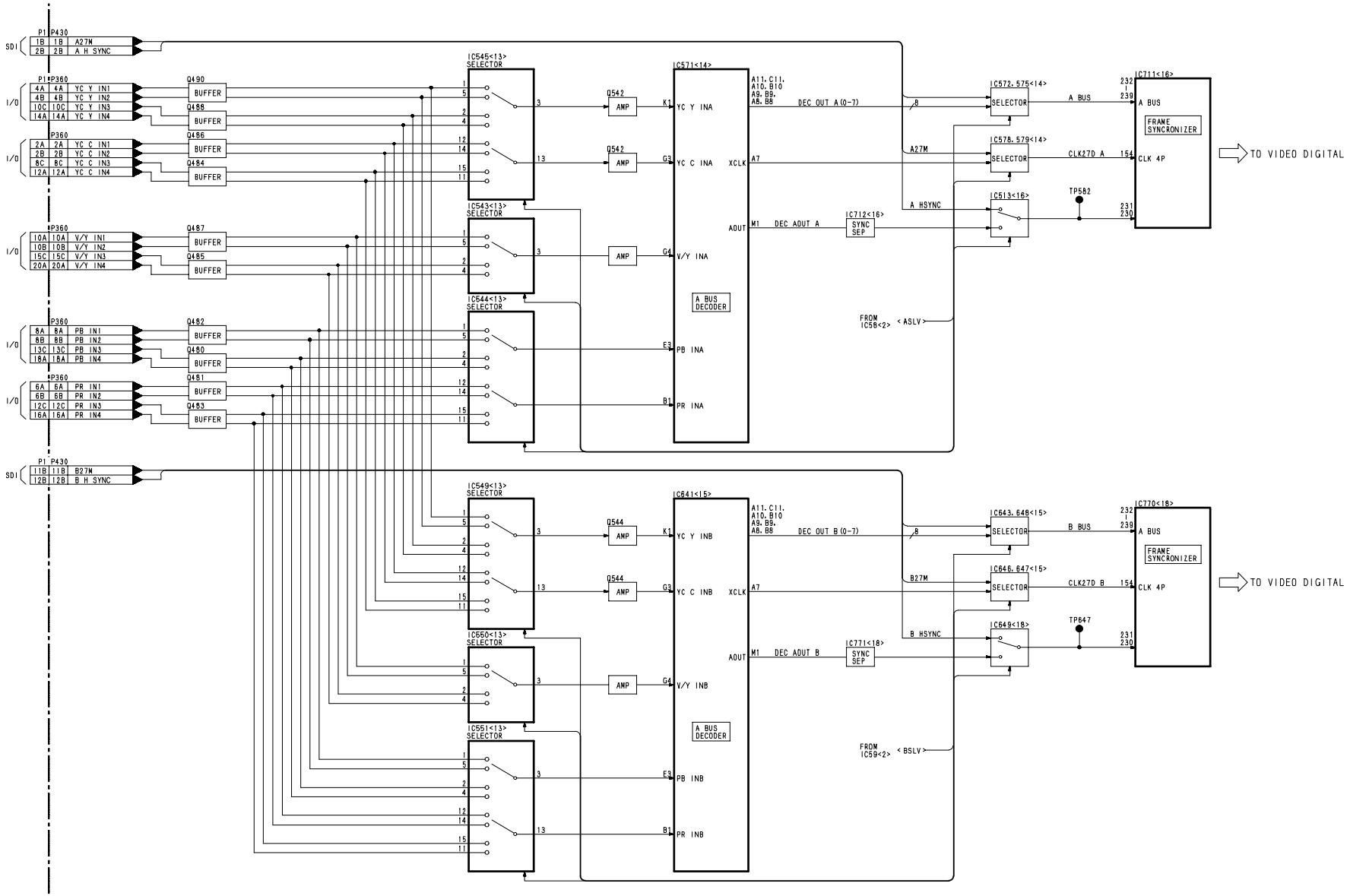
# OVERALL BLOCK DIAGRAM

BLK-1



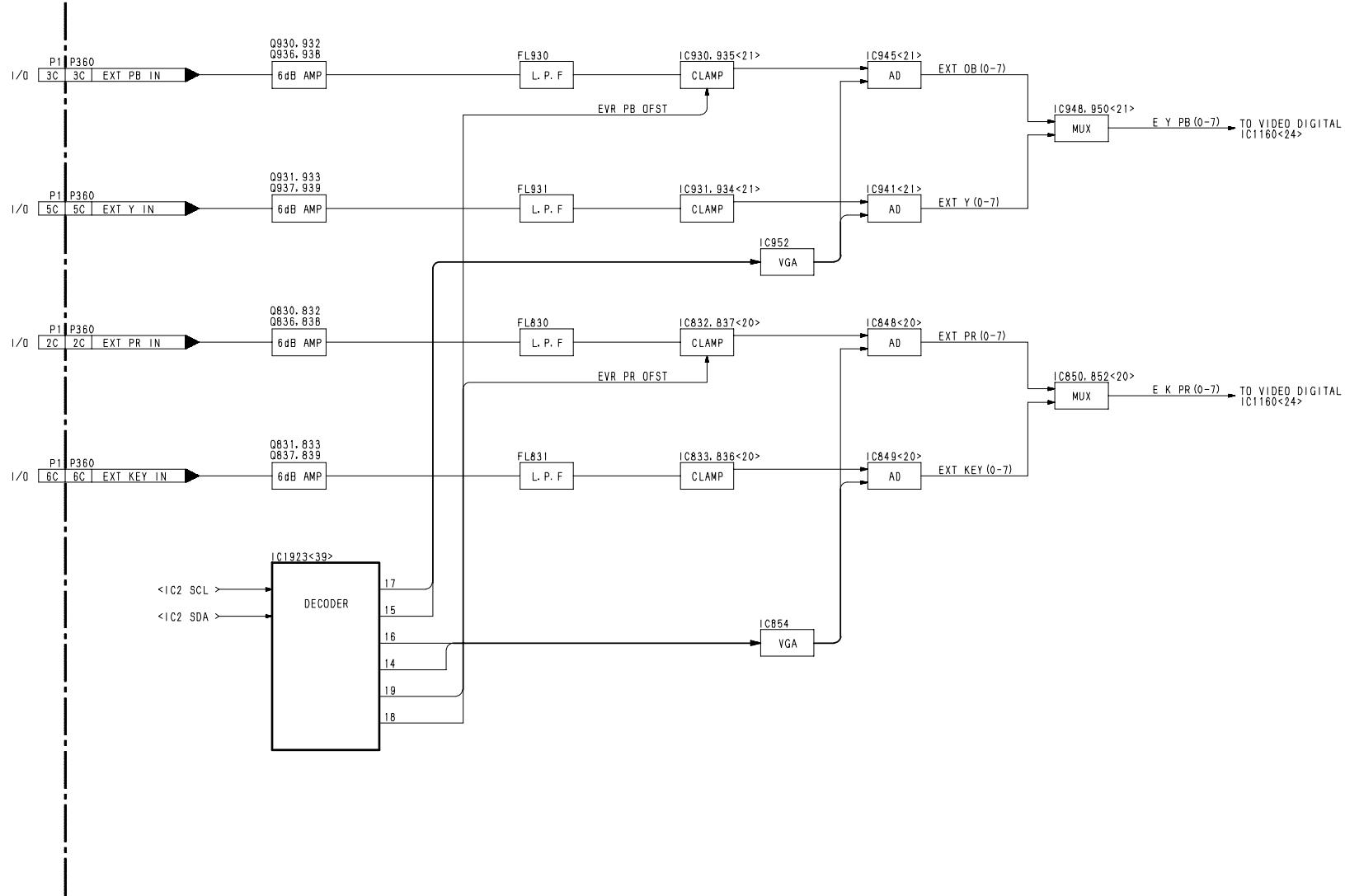
# VIDEO INPUT BLOCK DIAGRAM

**BLK-2**



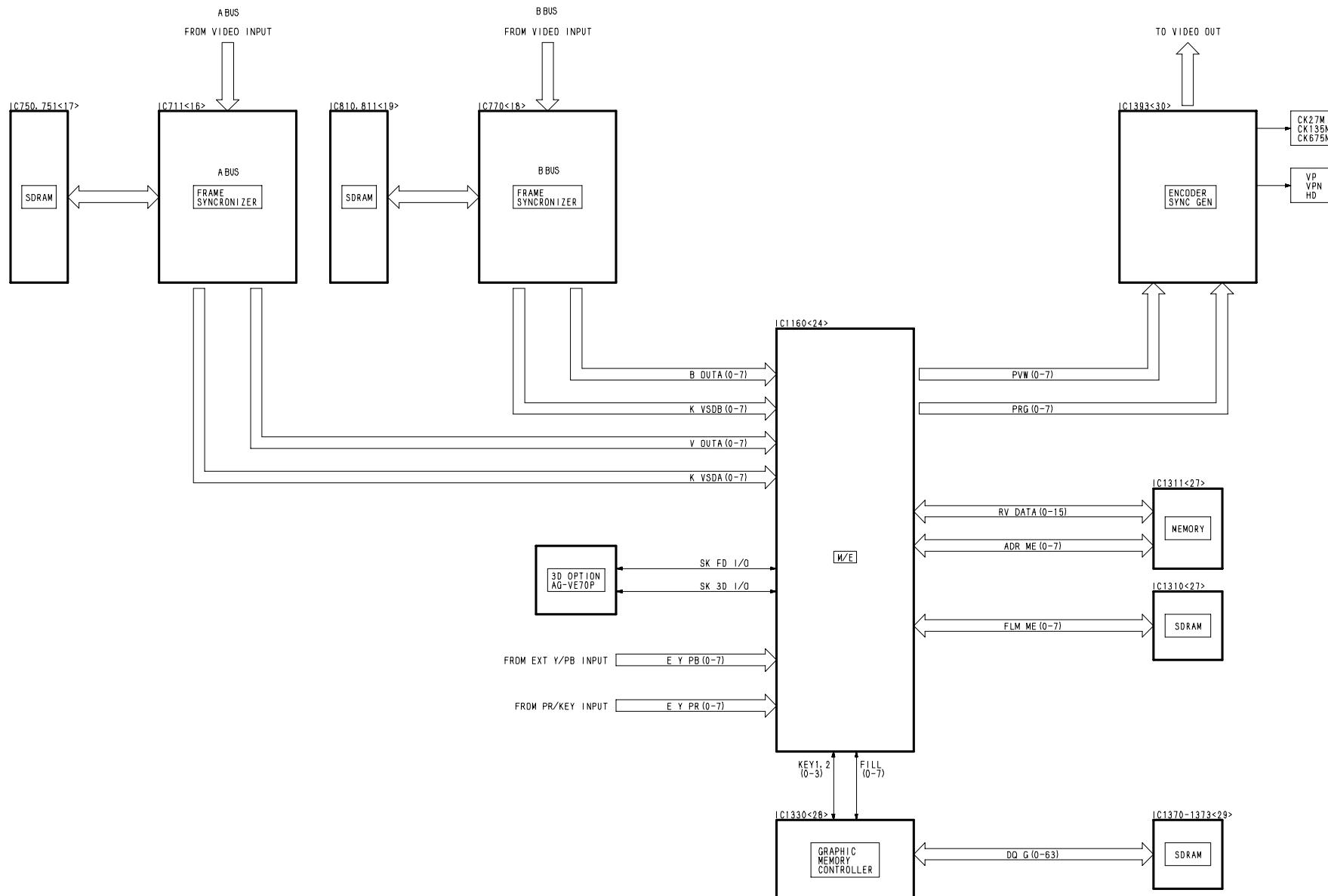
# EXT INPUT BLOCK DIAGRAM

**BLK-3**

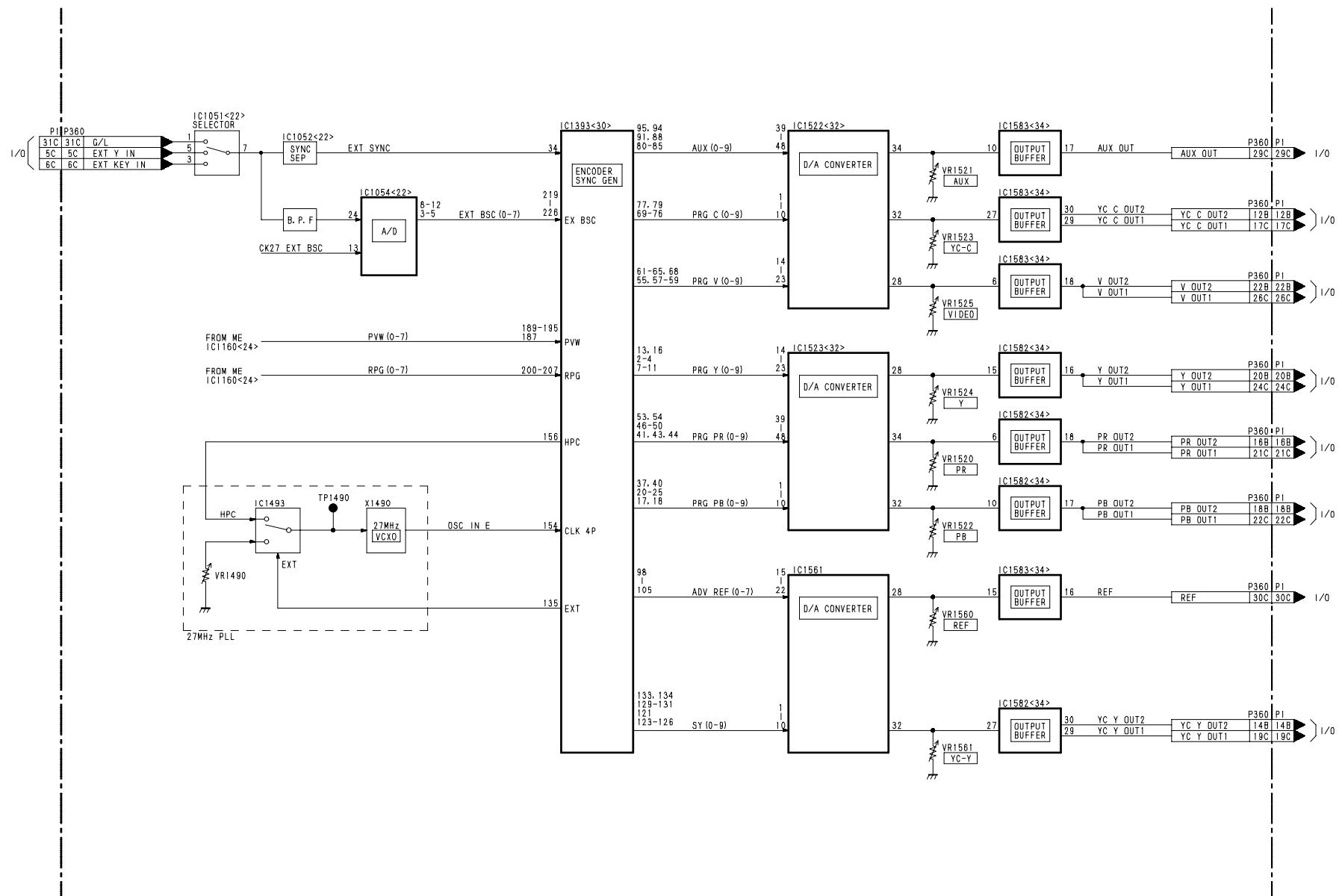


# VIDEO DIGITAL BLOCK DIAGRAM

**BLK-4**

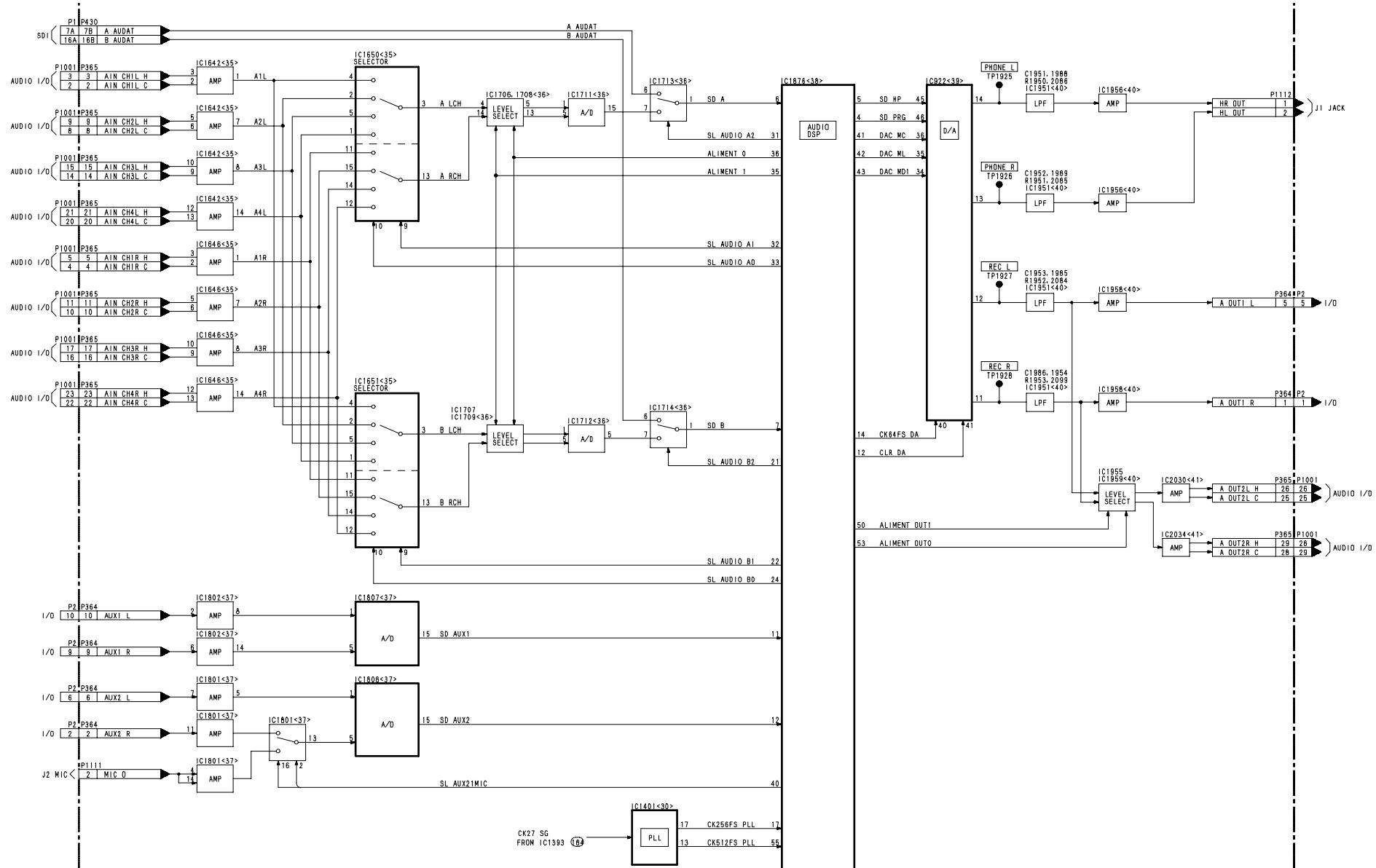


## VIDEO OUTPUT BLOCK DIAGRAM



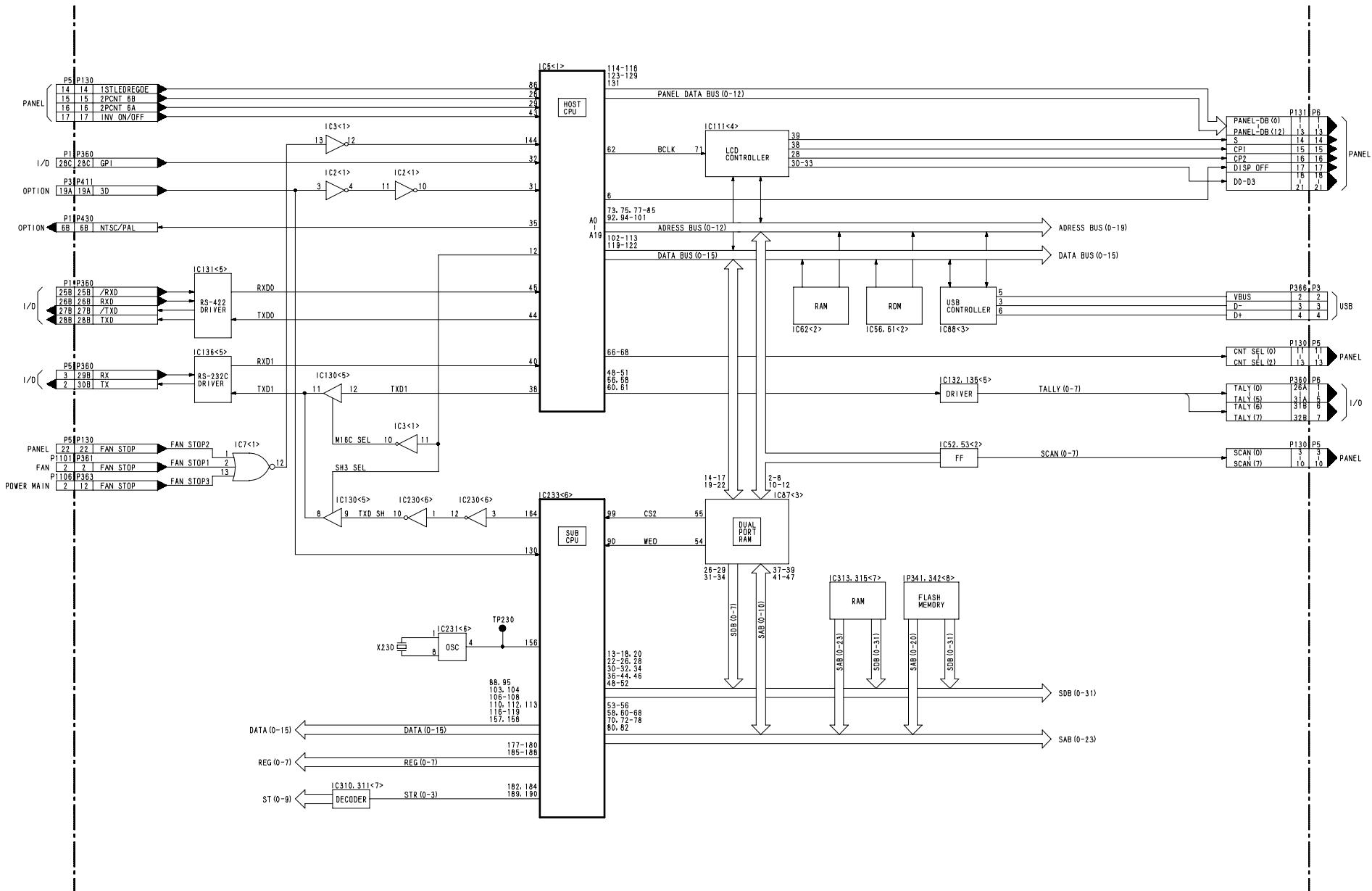
# AUDIO BLOCK DIAGRAM

BLK-6

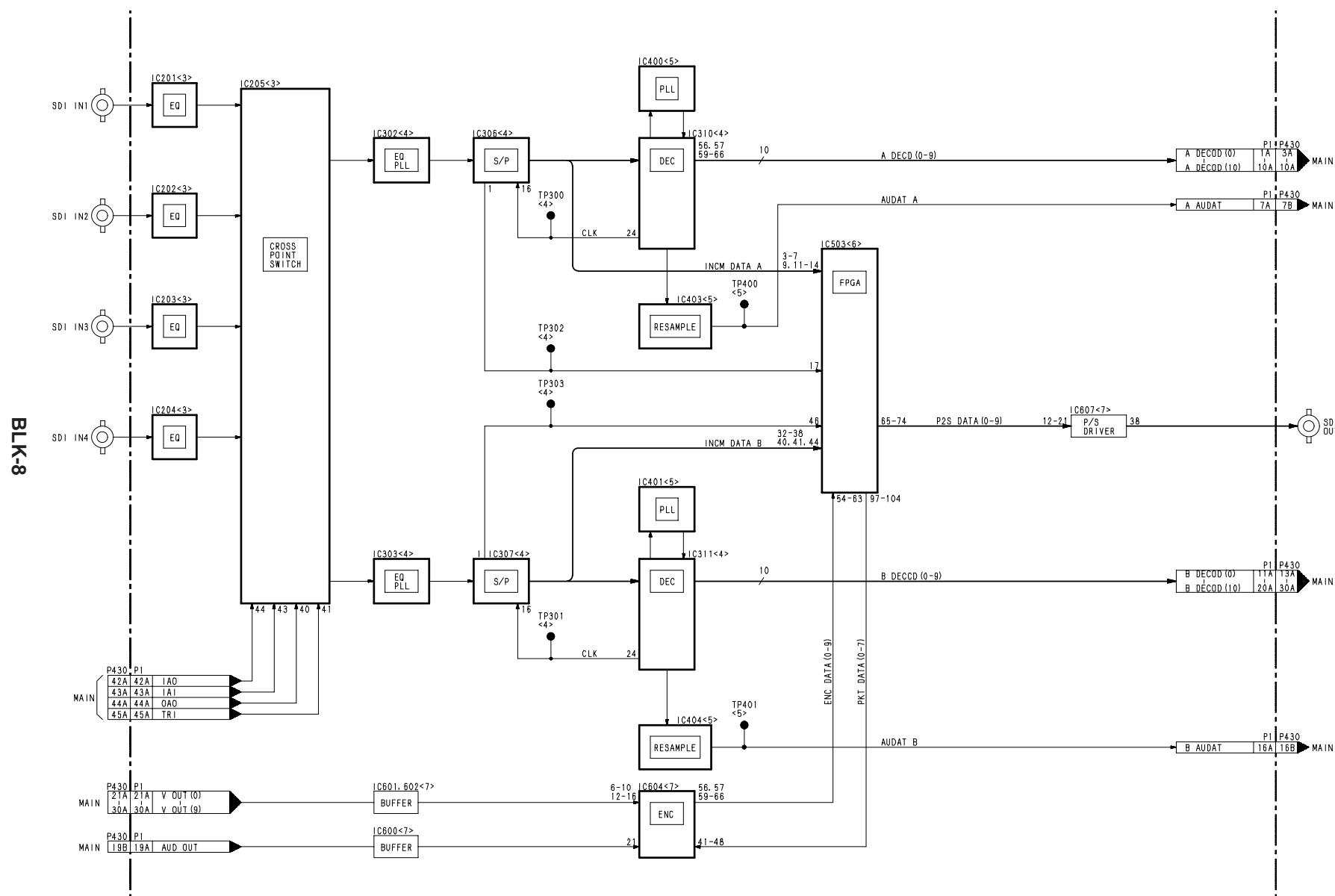


# CONTROL BLOCK DIAGRAM

BLK-7

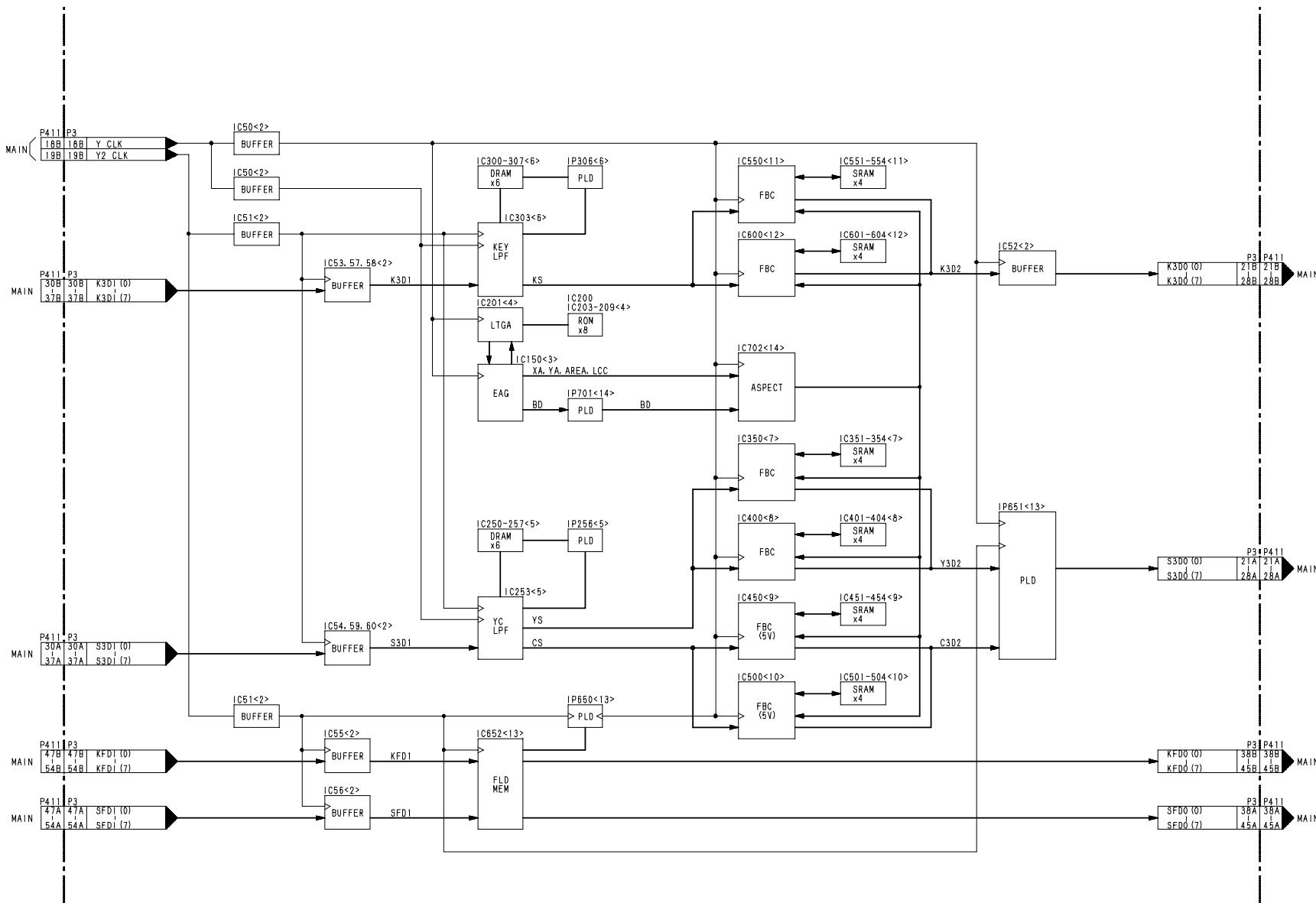


## AG-YA70P SDI BLOCK DIAGRAM



# AG-VE70P 3D BLOCK DIAGRAM

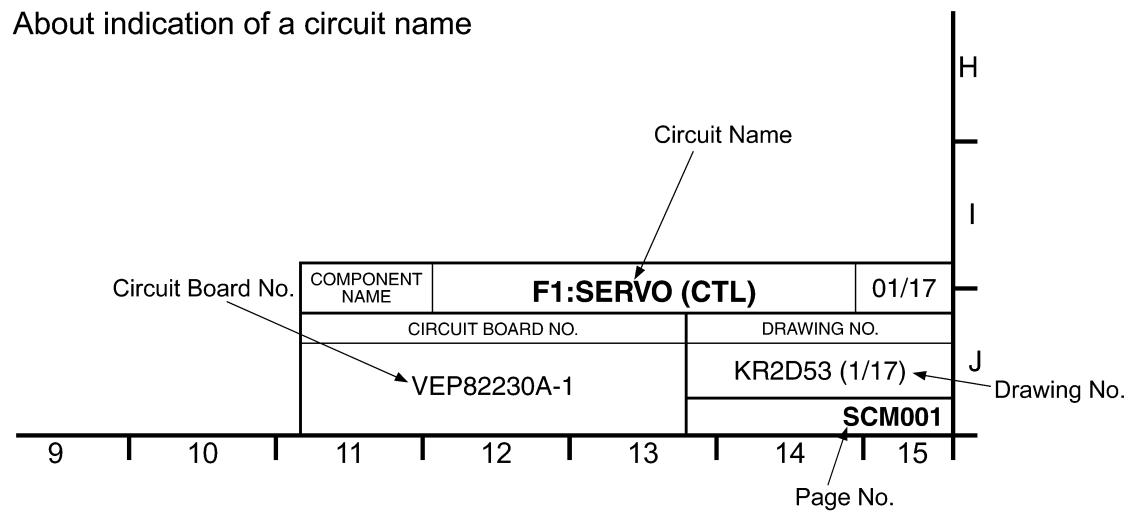
BLK-9



# SECTION 5

## SCHEMATIC DIAGRAMS

About indication of a circuit name



**NOTE:**

BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION ?

**CAUTION**

THE MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.  
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

**IMPORTANT SAFETY NOTICE:**

COMPONENTS IDENTIFIED WITH THE MARK HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.  
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

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OVERALL (02/02).....	SCM002

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PANEL (04/06).....	SCM047
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## I/O

I/O (01/01).....	SCM054
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POWER MAIN (03/03).....	SCM058

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POWER SUB (02/02).....	SCM060

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GAIN-SW BOARD (01/01).....	SCM061
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FAN IF (01/01).....	SCM061
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## TAKE\_V

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## COLOR\_V

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## TIME\_ENC

TIME_ENC (01/01).....	SCM062
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## Z\_ENC

Z_ENC (01/01).....	SCM062
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## SDI (OPPTION)

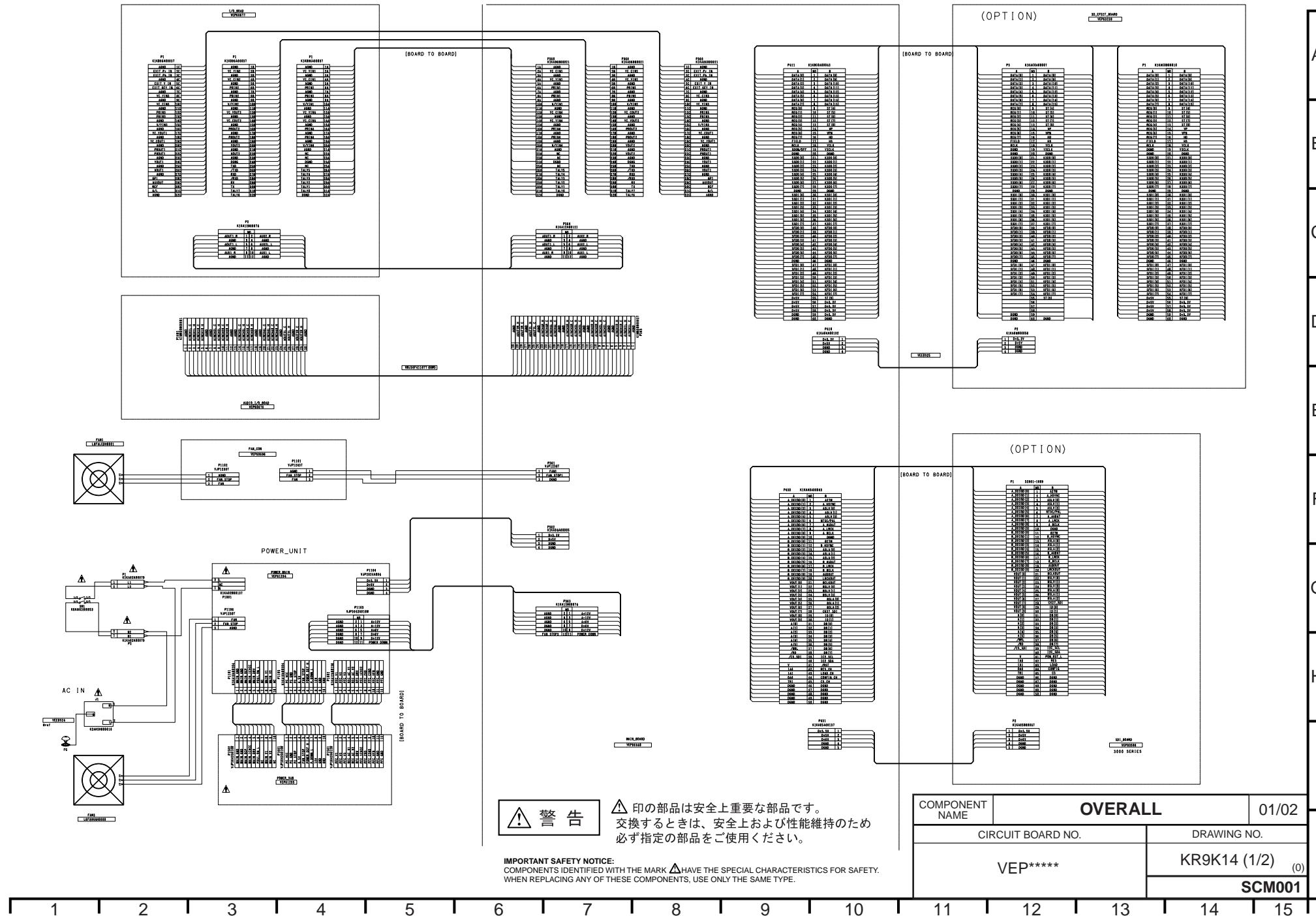
SDI (01/07).....	SCM063
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SDI (EQ, SW) (03/07).....	SCM065
SDI (S/P, DEC) (04/07).....	SCM066
SDI (AUDIO PLL) (05/07).....	SCM067
SDI (FPGA) (06/07).....	SCM068
SDI (P/S, DRIVER) (07/07).....	SCM069

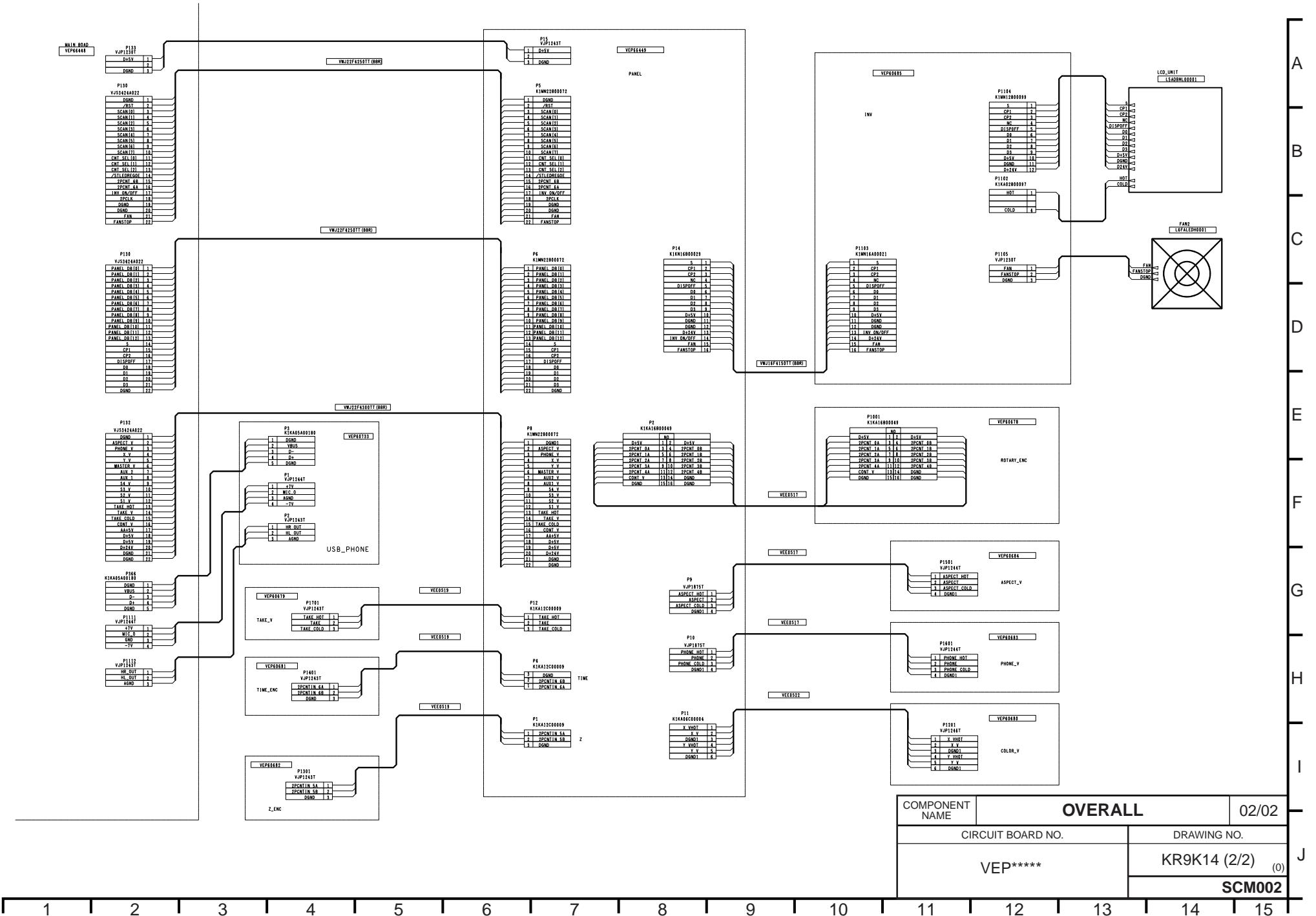
**3D (OPTION)**

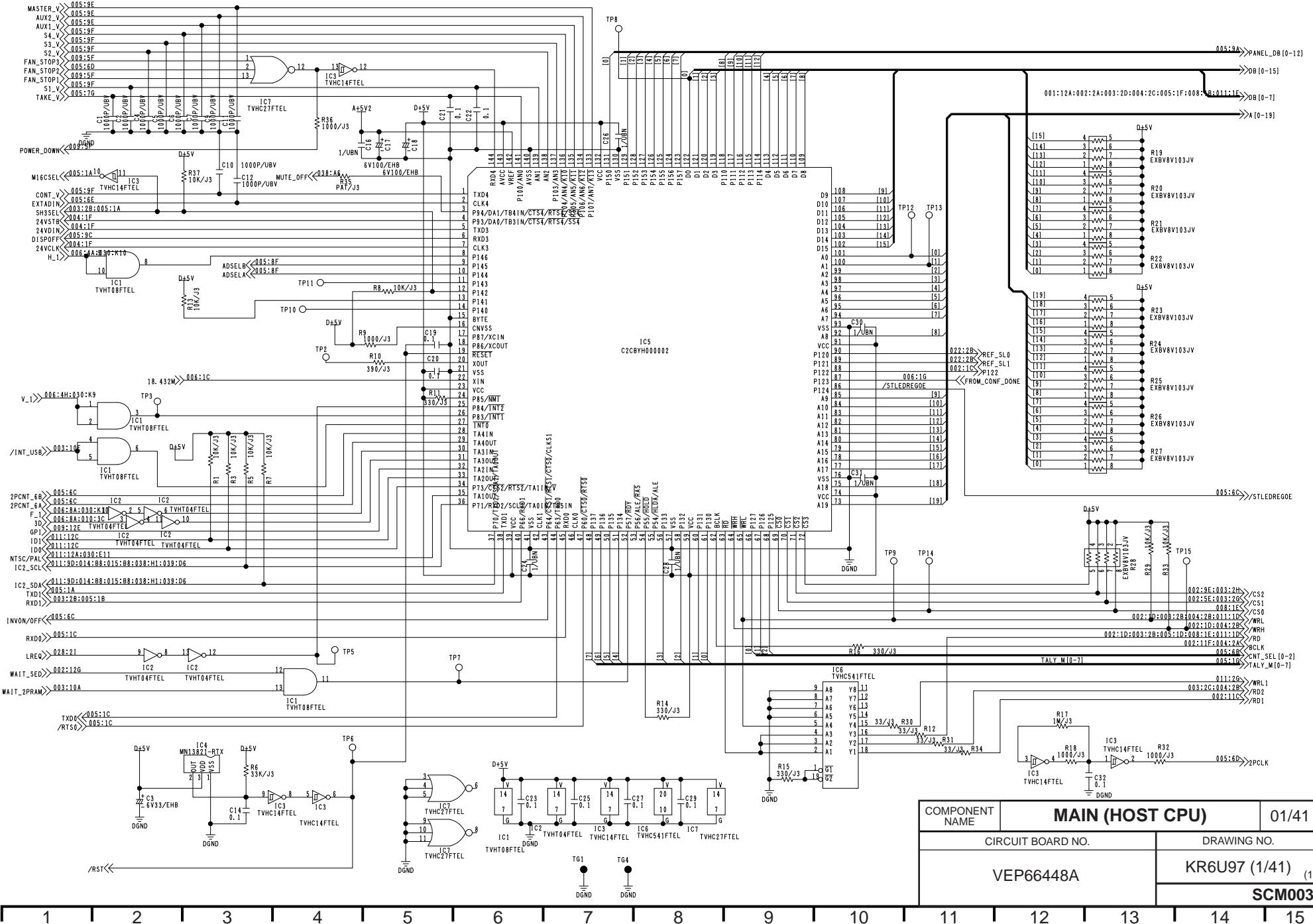
3D (01/14) .....	SCM070
3D (CLOCK BUF) (02/14).....	SCM071
3D (EAG) (03/14) .....	SCM072
3D (LIGHTING) (04/14) .....	SCM073
3D (YC LPF) (05/14).....	SCM074
3D (KEY LPF) (06/14) .....	SCM075
3D (Y FBC1) (07/14).....	SCM076
3D (Y FBC2) (08/14).....	SCM077
3D (C FBC1) (09/14) .....	SCM078
3D (C FBC2) (10/14) .....	SCM079
3D (KEY FBC1) (11/14).....	SCM080
3D (KEY FBC2) (12/14).....	SCM081
3D (FIELD DELAY) (13/14) .....	SCM082
3D (ASPECT) (14/14).....	SCM083

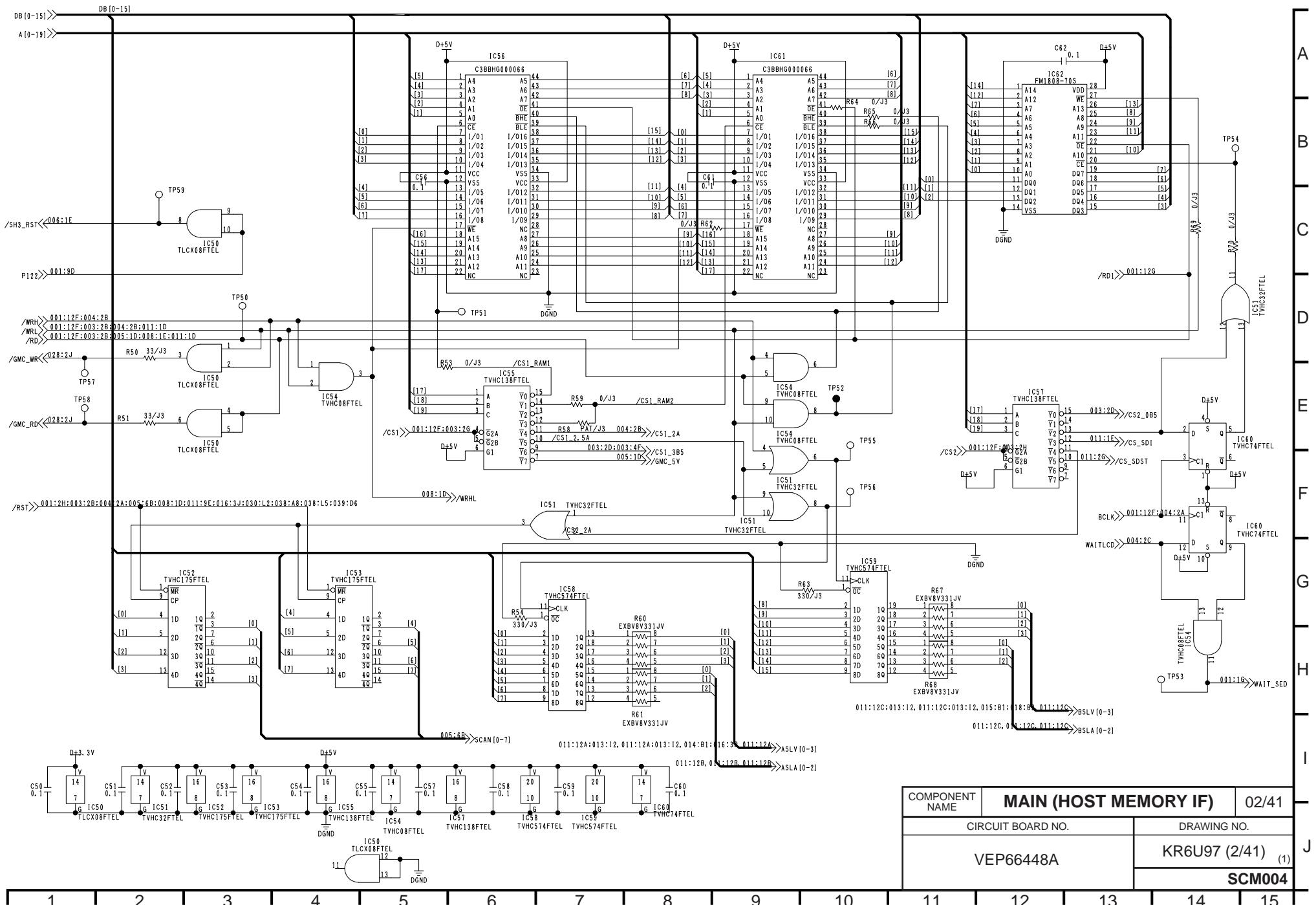
**3D\_SUB (OPTION)**

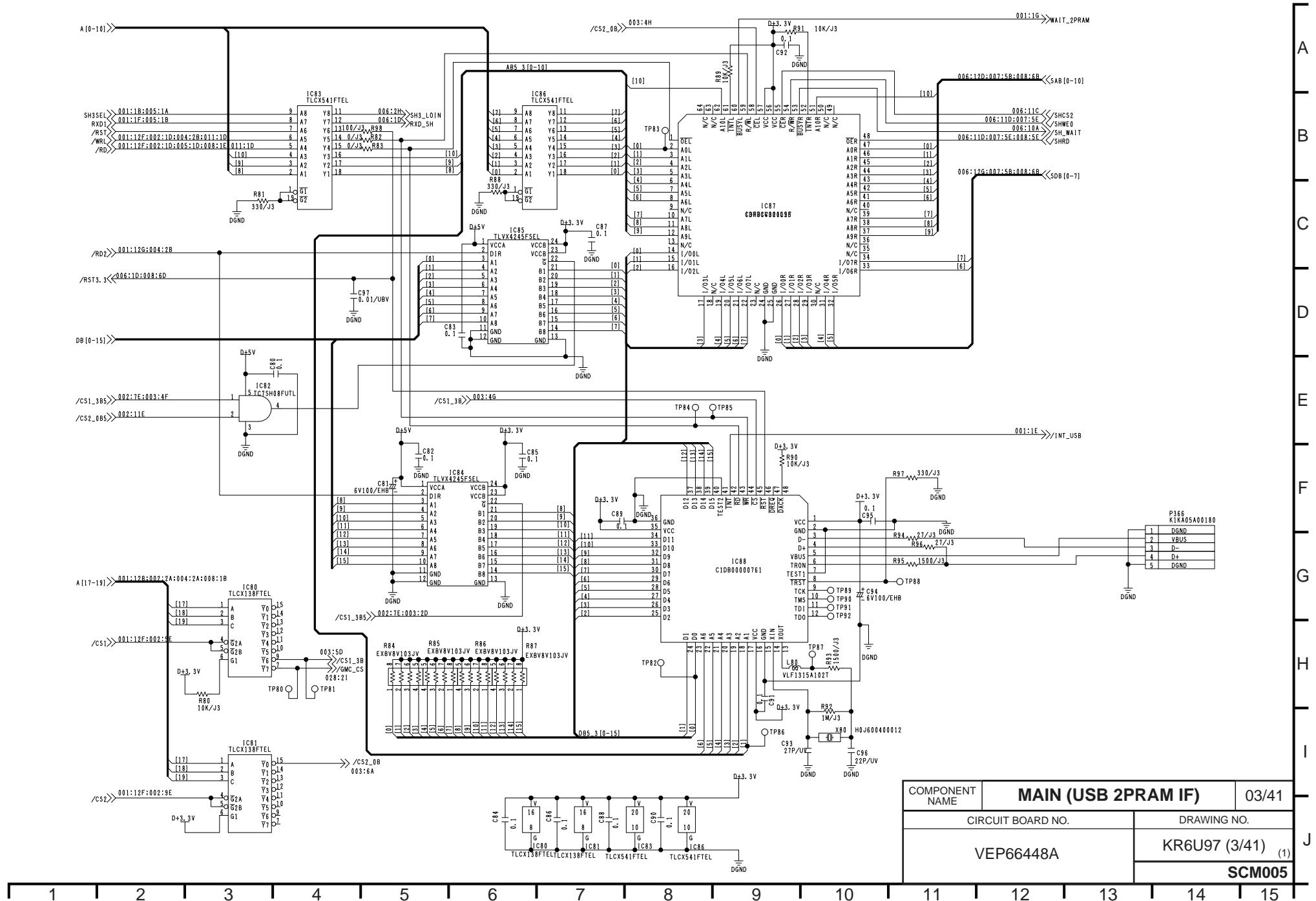
3D_SUB (01/01) .....	SCM084
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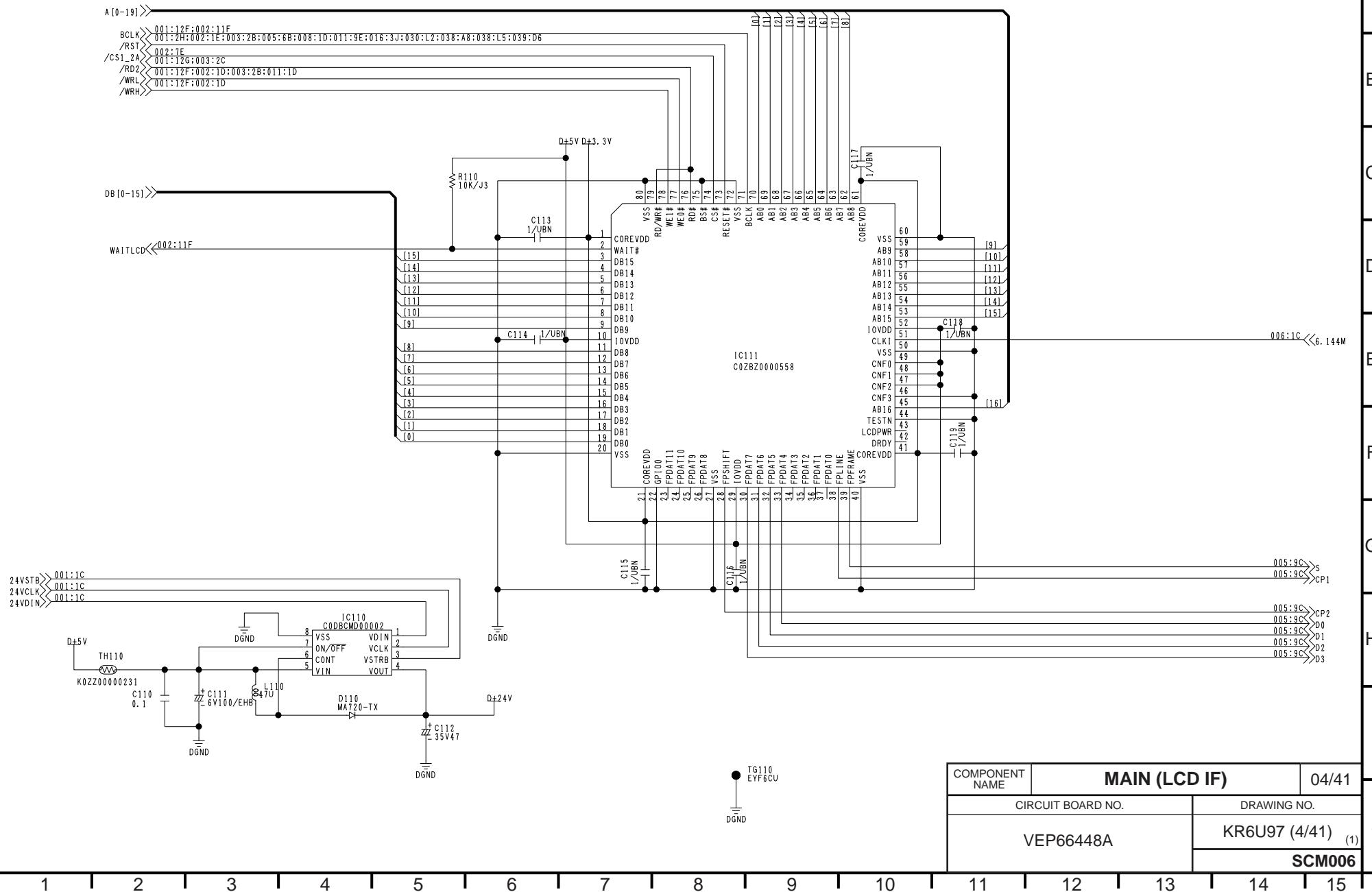


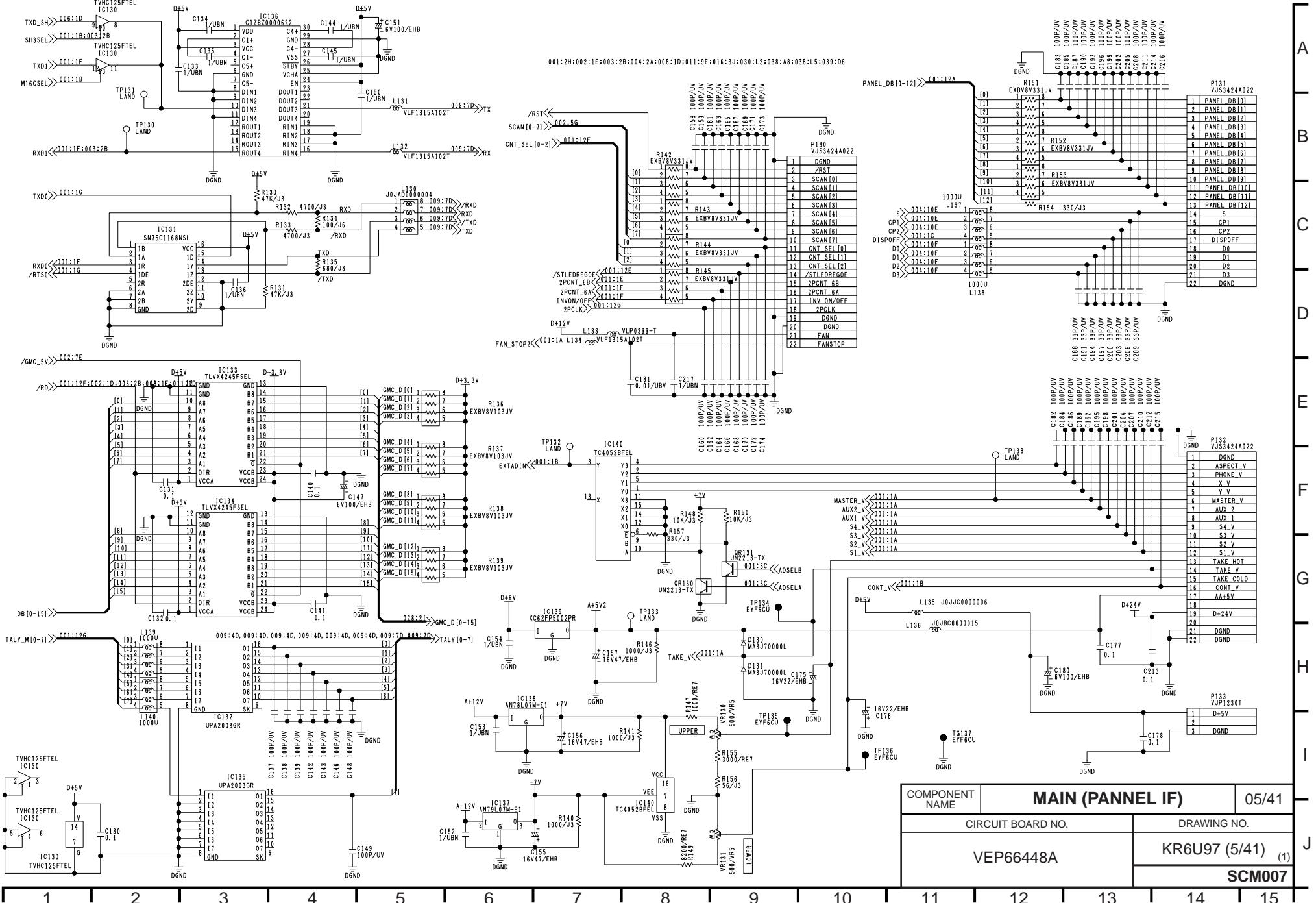


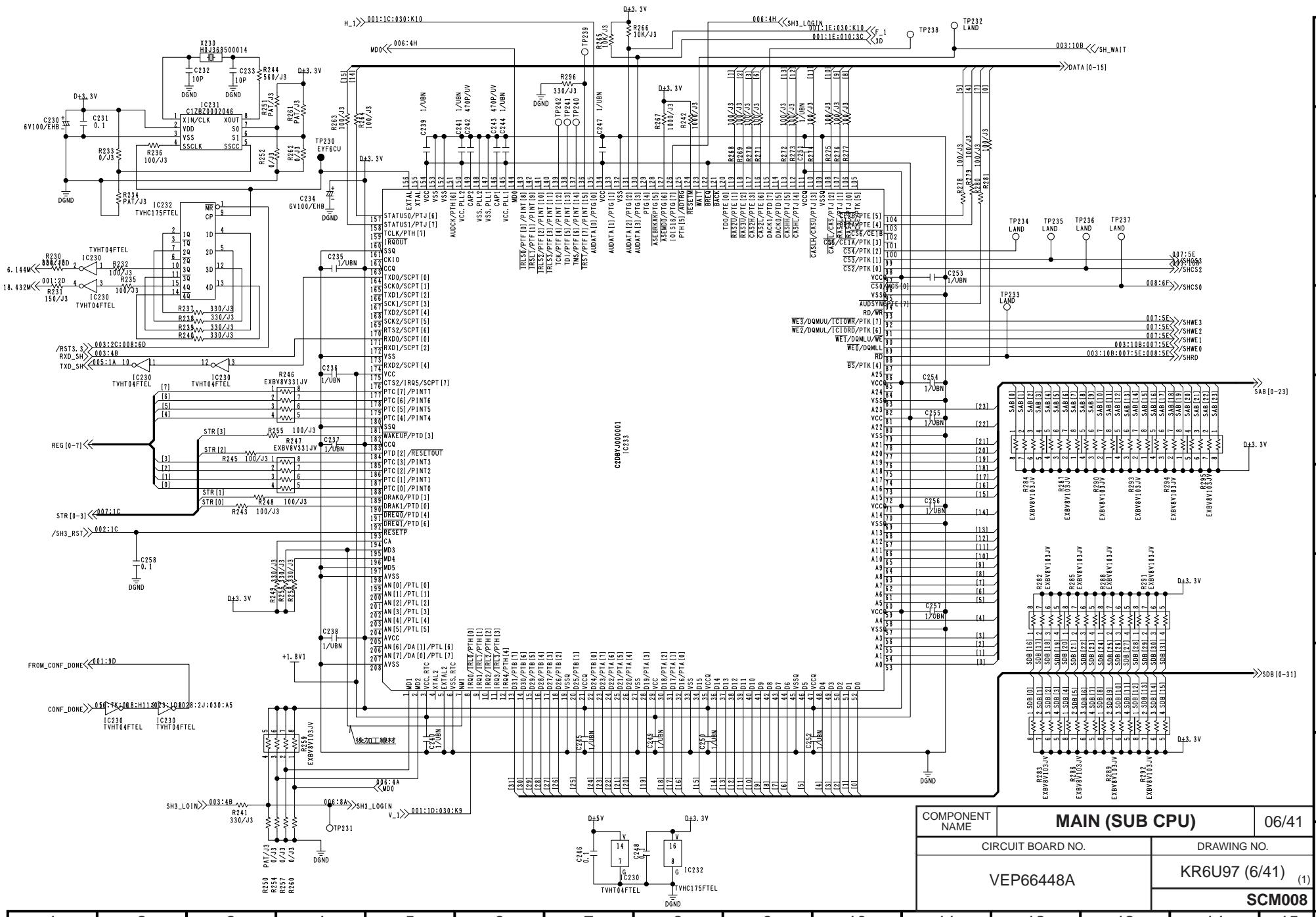


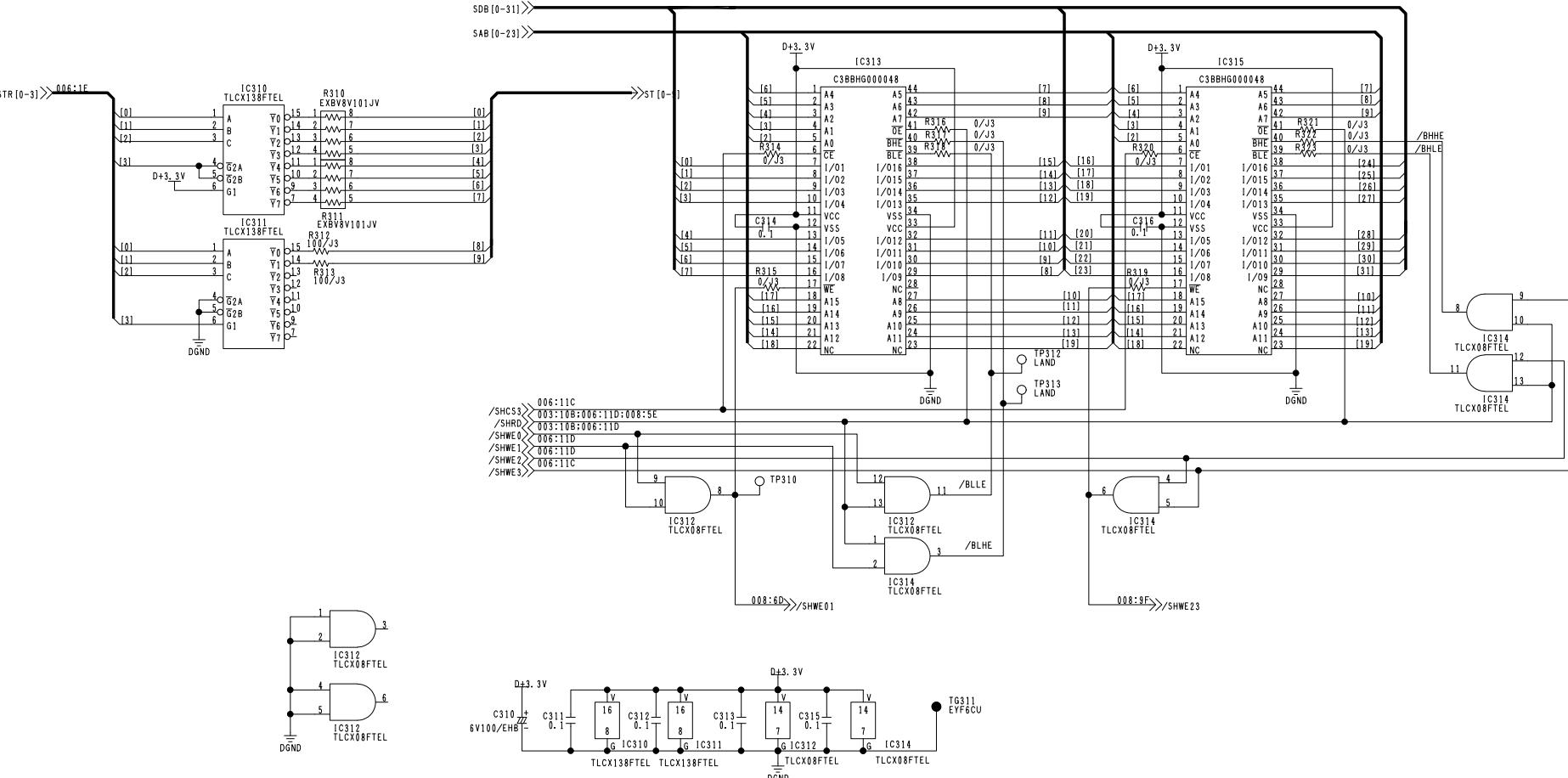




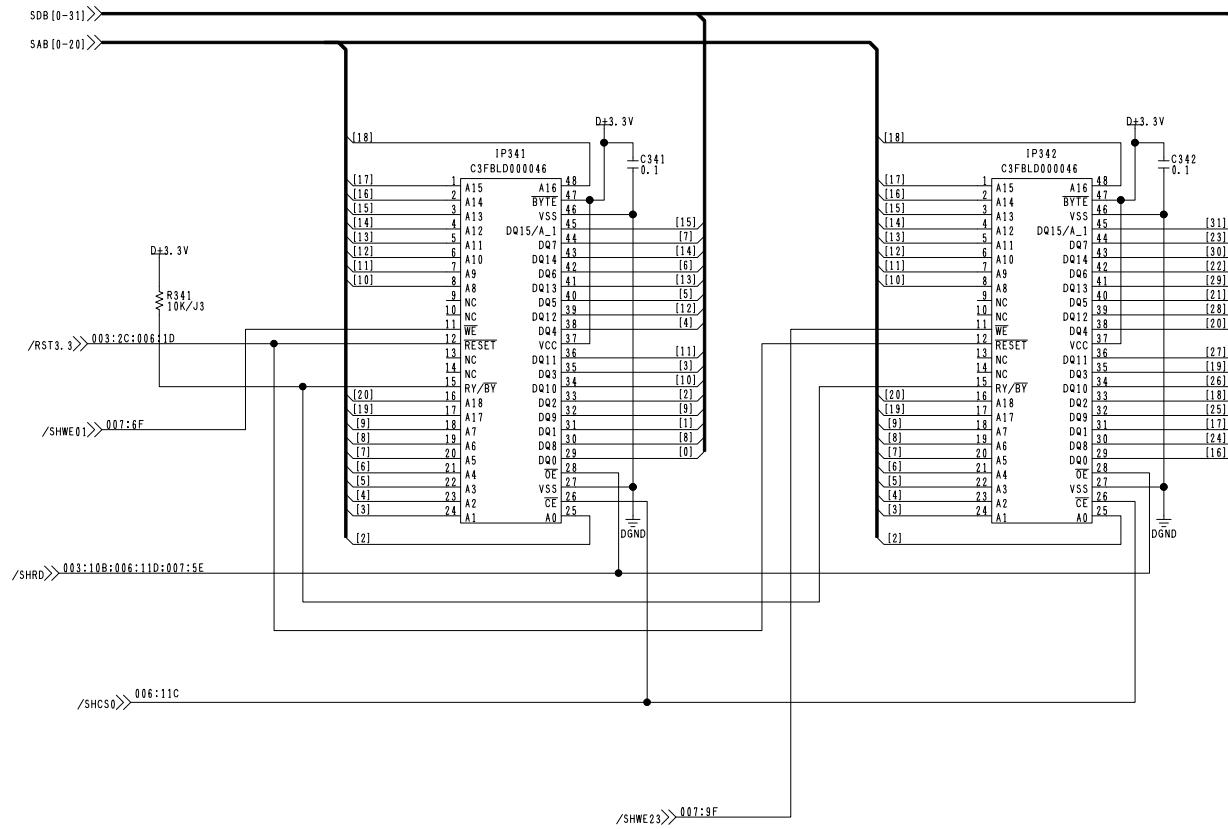
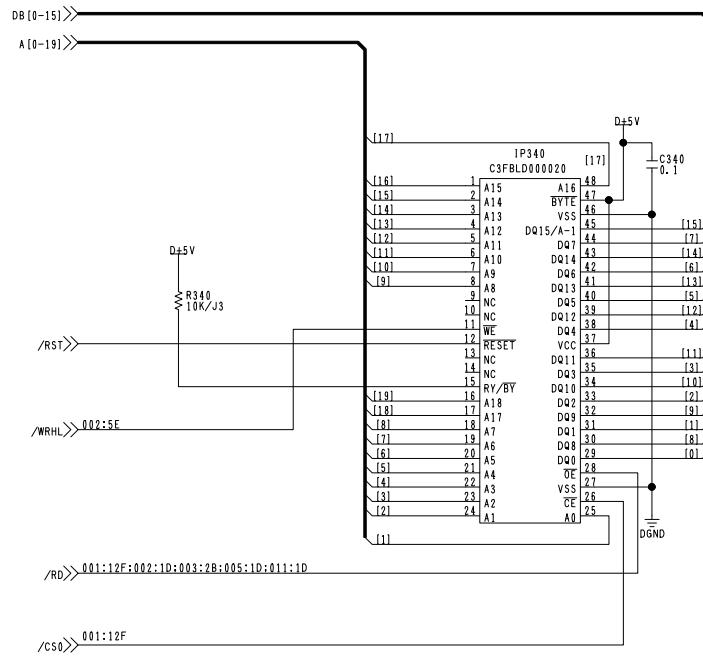








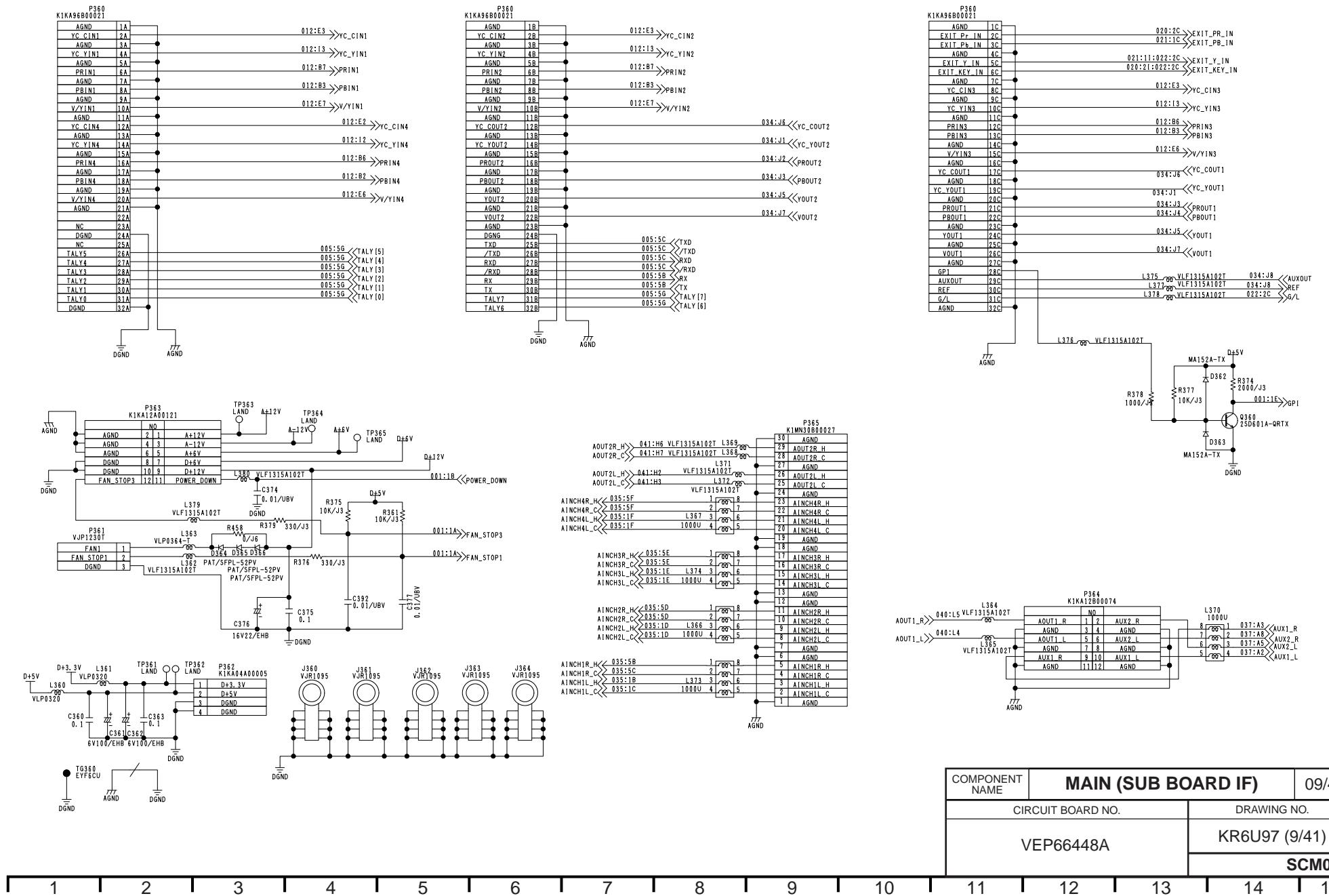
COMPONENT NAME	MAIN (SUB CPU MEMORY IF)	07/41
CIRCUIT BOARD NO.		DRAWING NO.
	VEP66448A	KR6U97 (7/41) (1)
	SCM009	

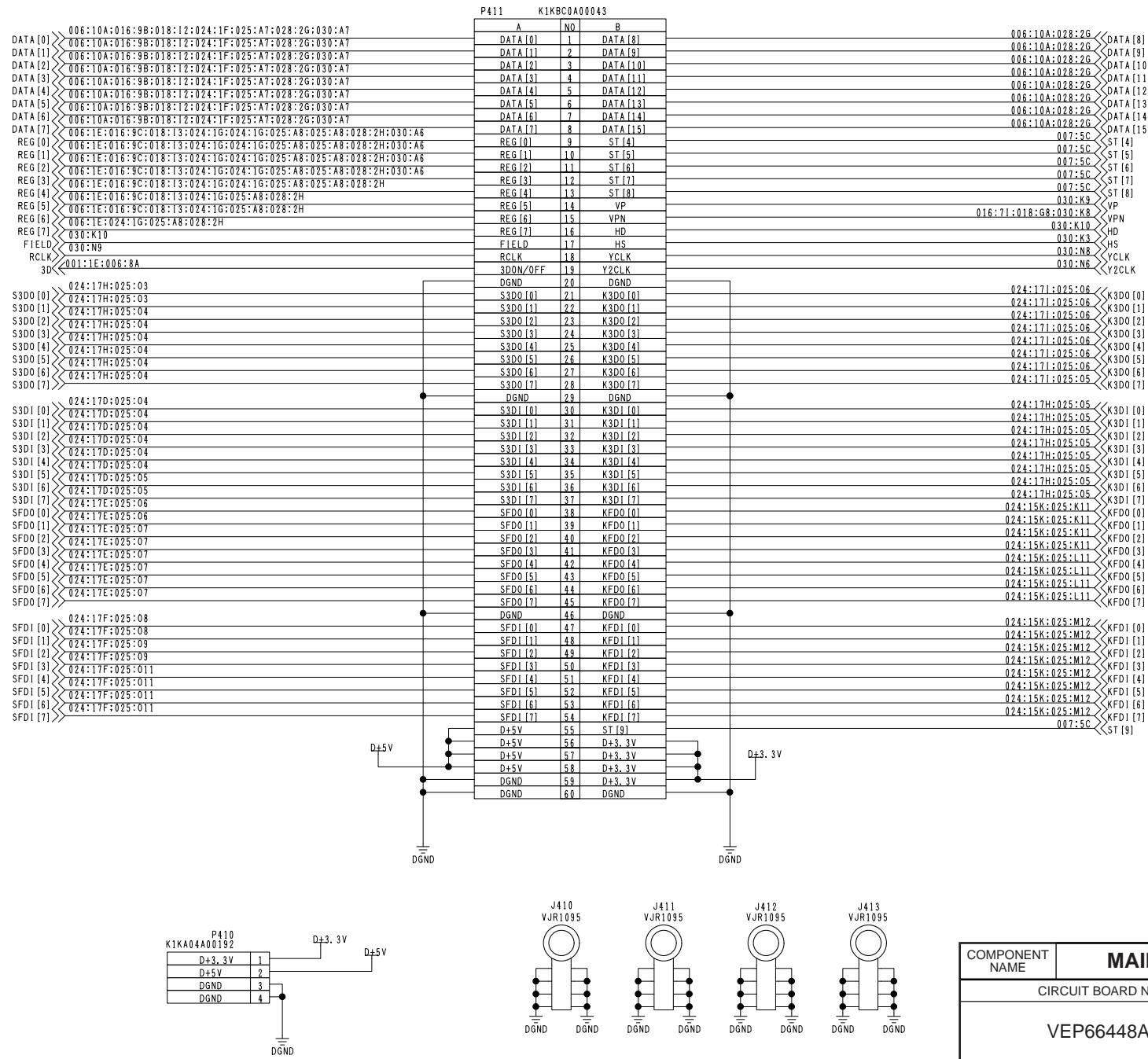


COMPONENT NAME	MAIN (FLUSH MEMORY)	08/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A		KR6U97 (8/41) (1)
SCM010		

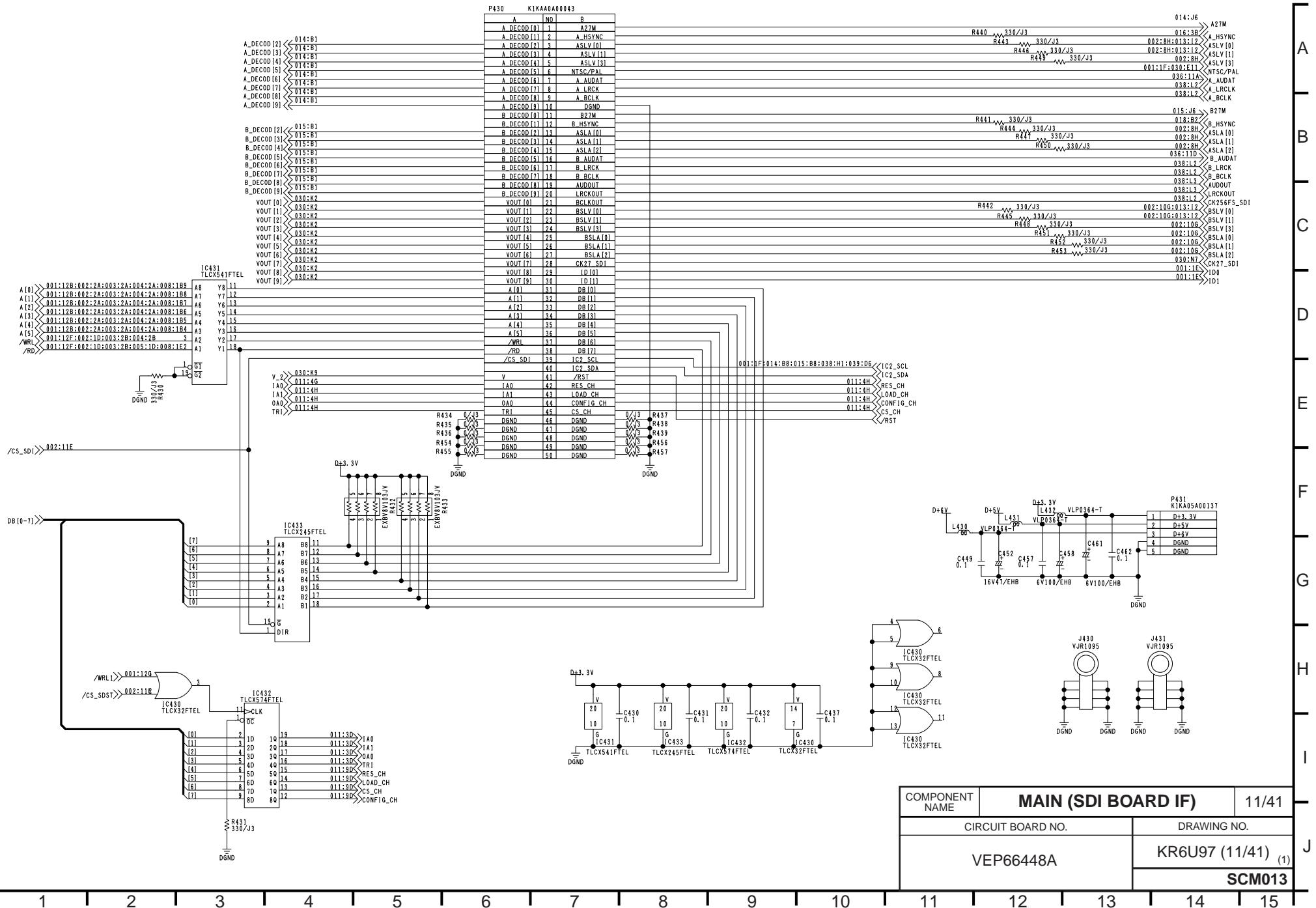
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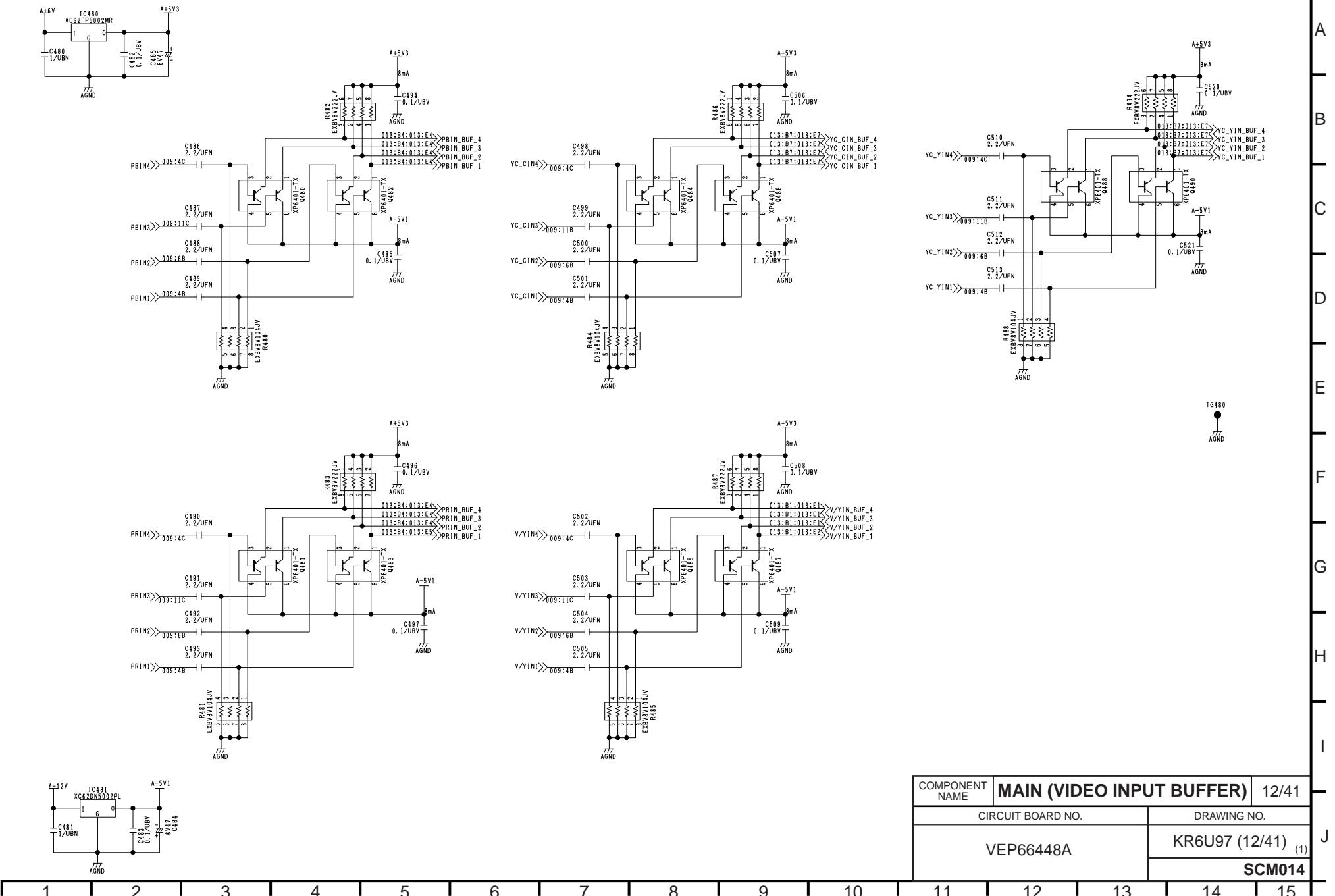
A  
B  
C  
D  
E  
F  
G  
H  
I  
J

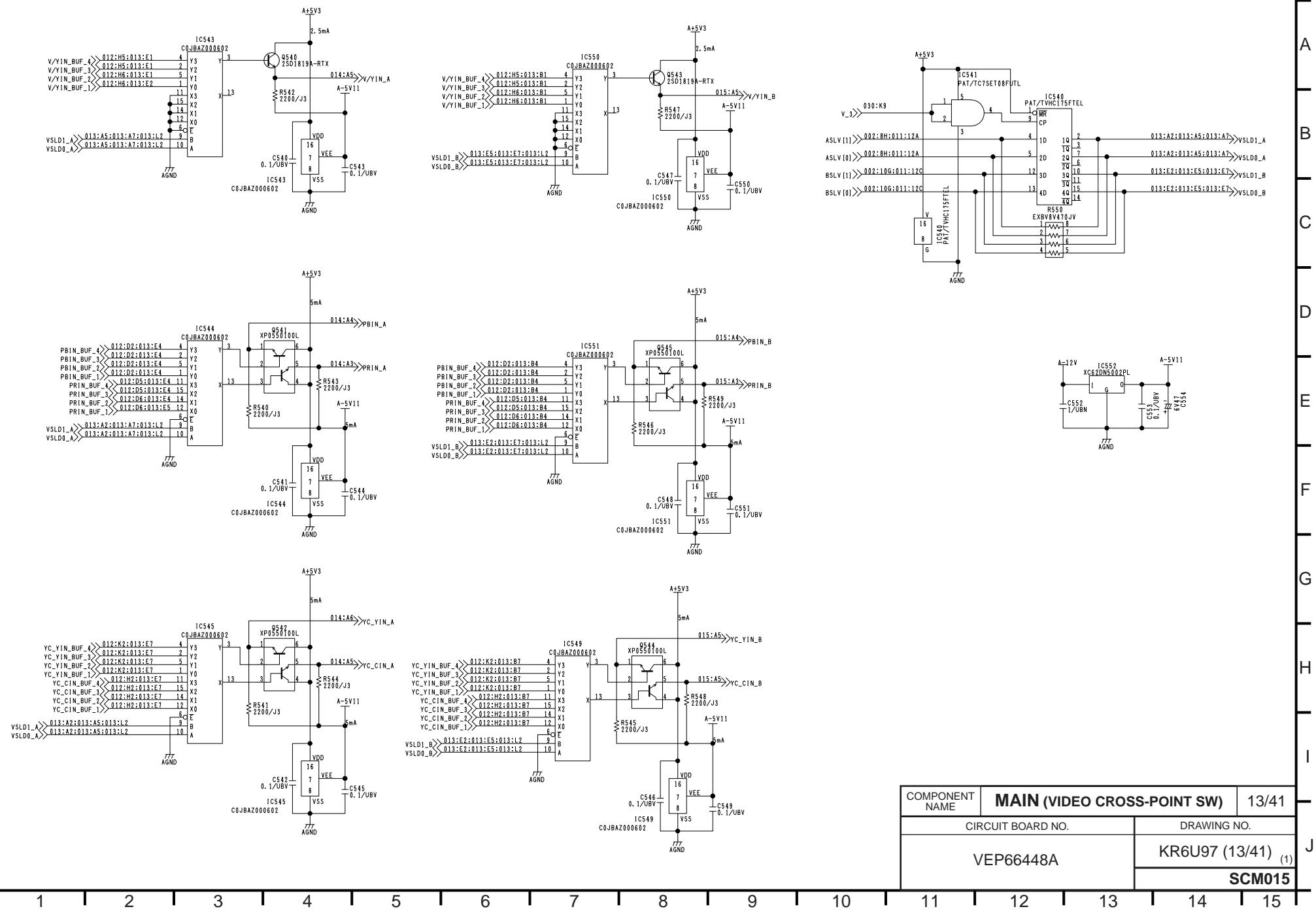


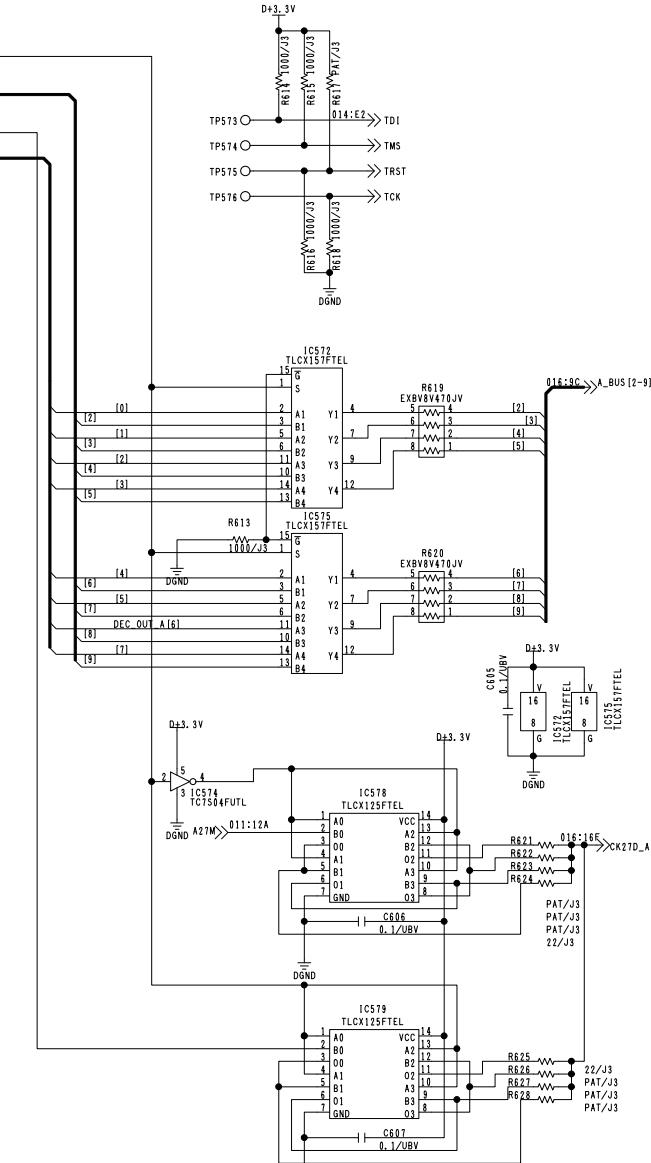
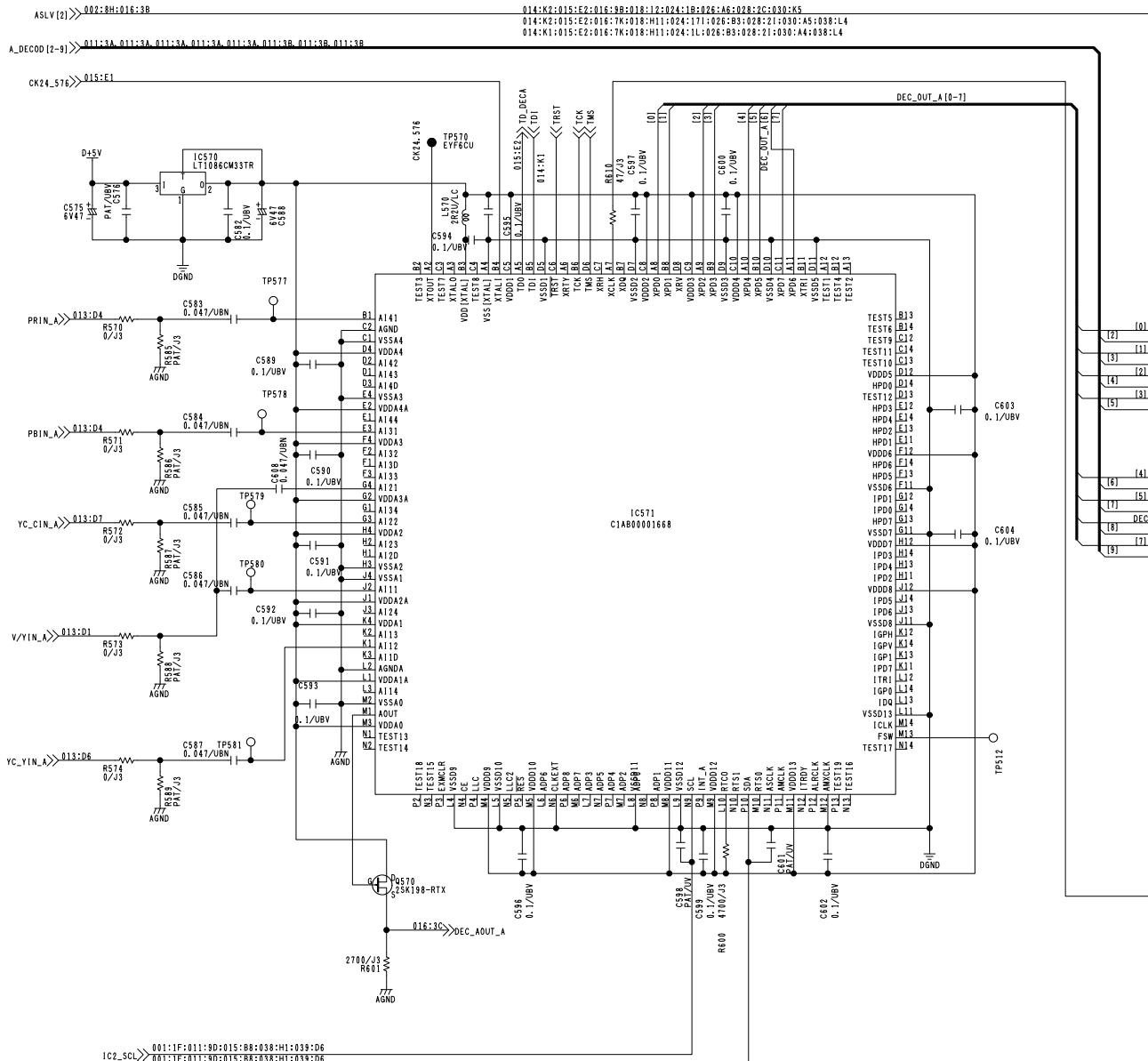


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



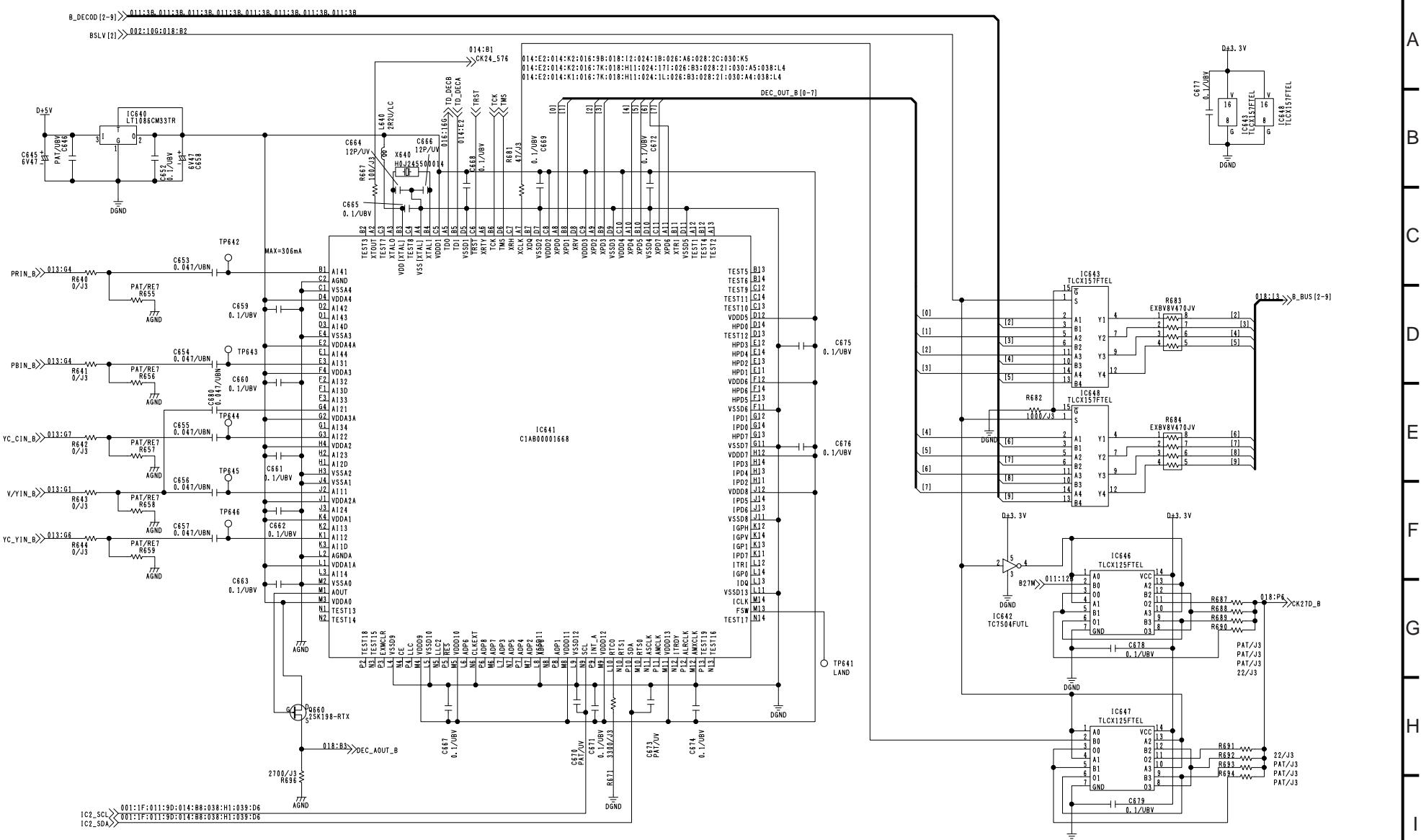




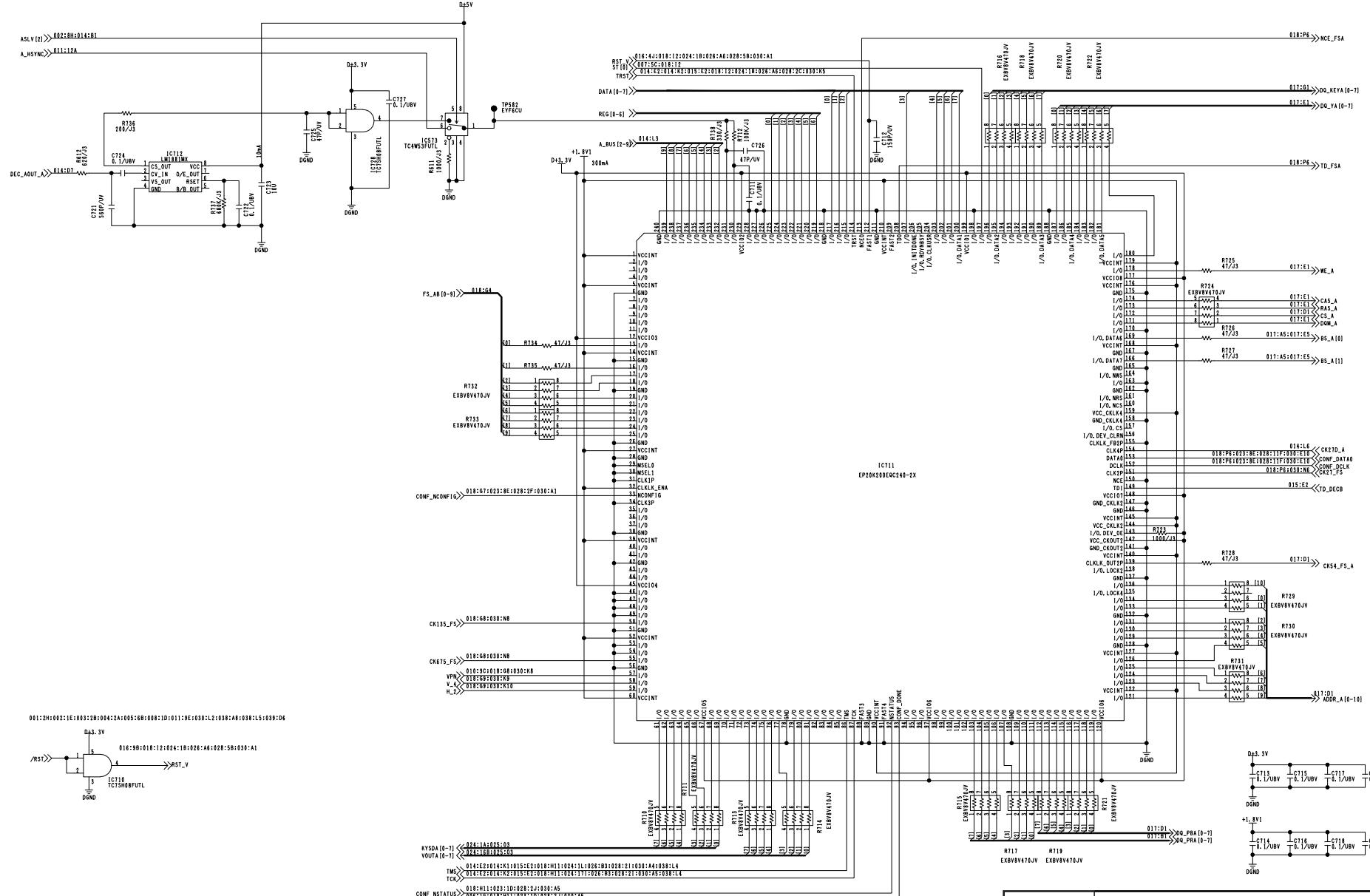


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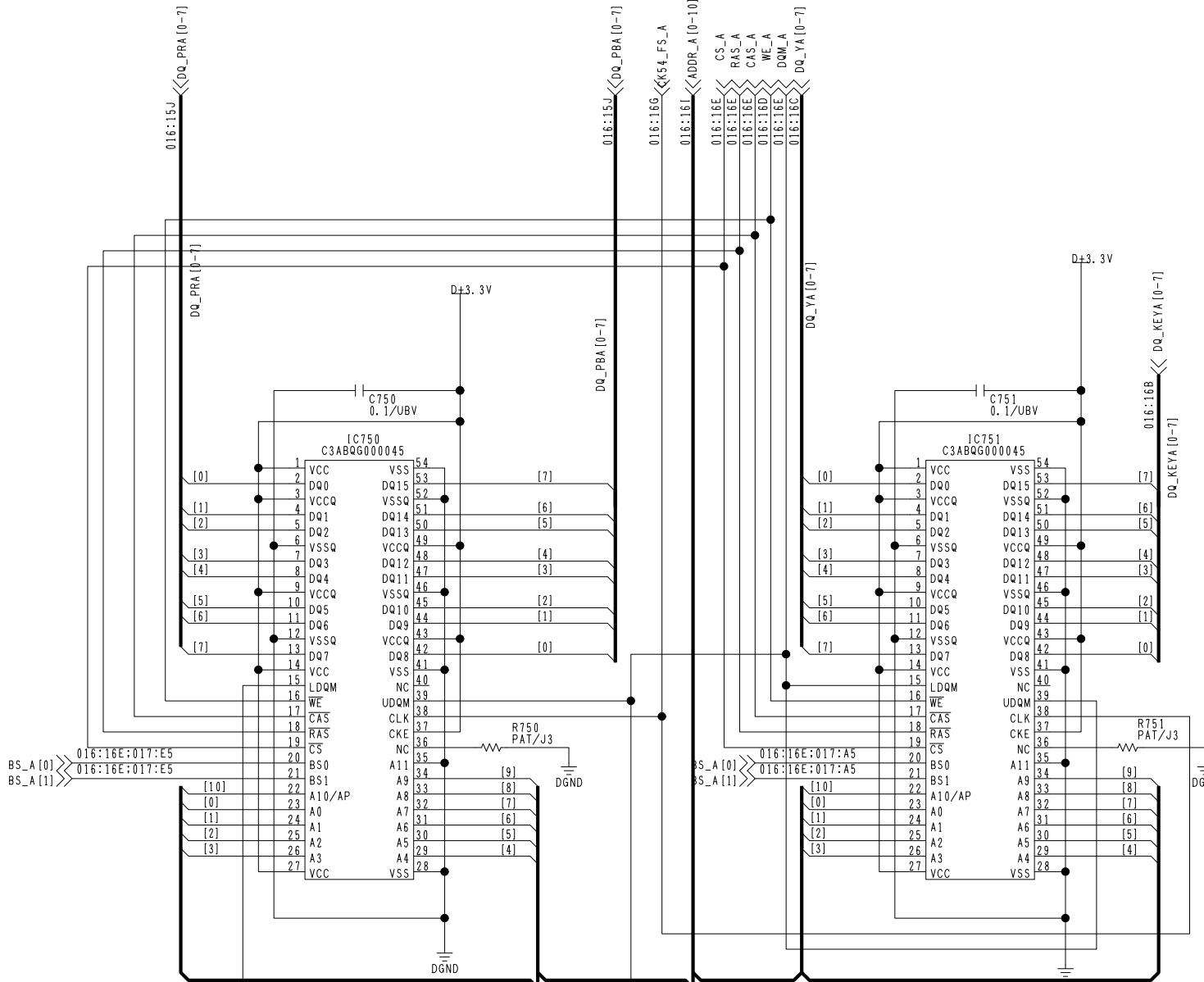
A B C D E F G H I J



COMPONENT NAME	<b>MAIN (B-BUS DECODER)</b>		15/41
CIRCUIT BOARD NO.	DRAWING NO.		
VEP66448A		KR6U97 (15/41) <small>(1)</small>	
11	12	13	14
15			

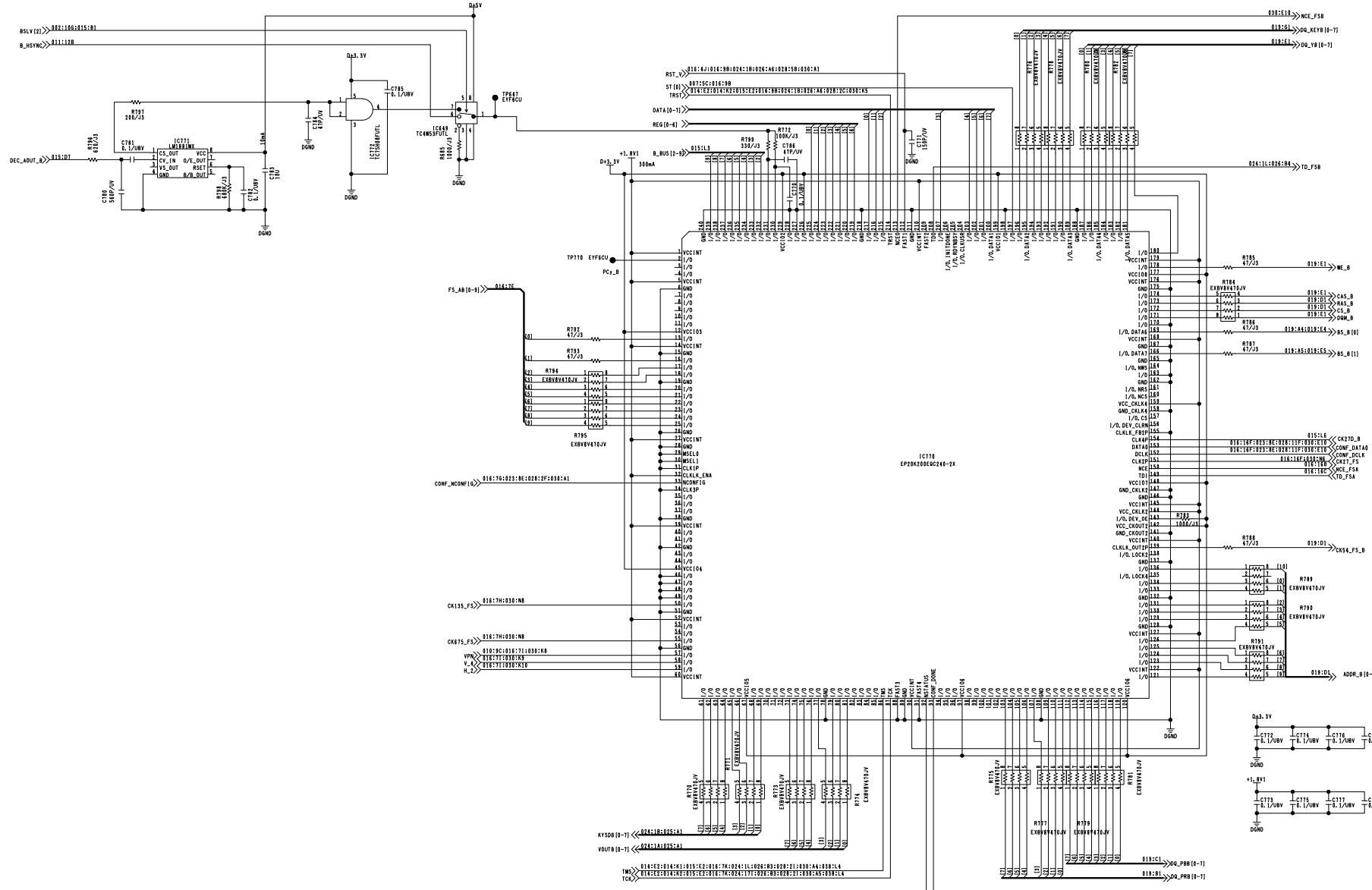


COMPONENT NAME	<b>MAIN (A-BUS FS)</b>	16/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (16/41) <small>(1)</small>	
		<b>SCM018</b>

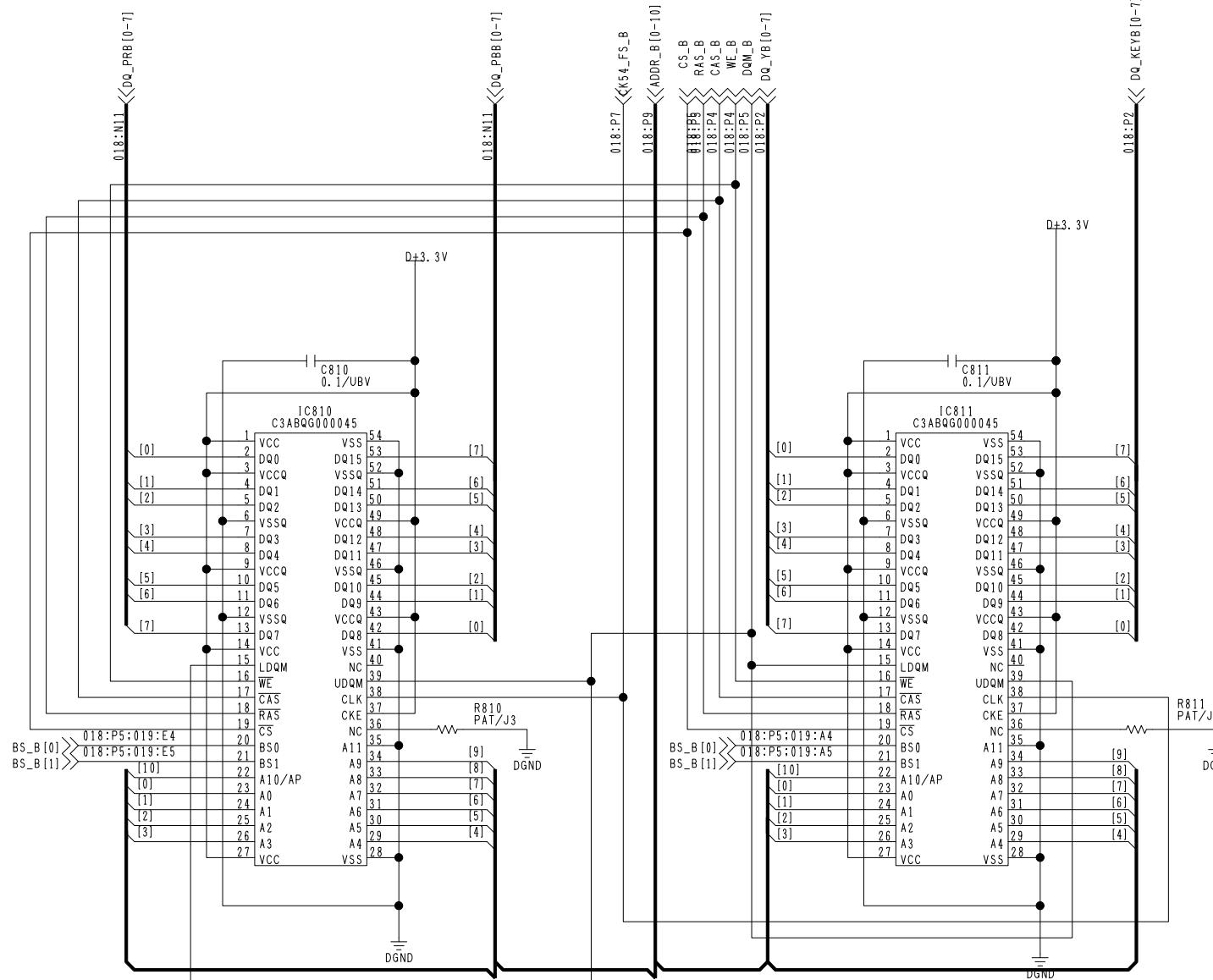


COMPONENT NAME	MAIN (A-BUS FS / SDRAM)		17/41
CIRCUIT BOARD NO.			DRAWING NO.
VEP66448A		KR6U97 (17/41) (1)	
SCM019			

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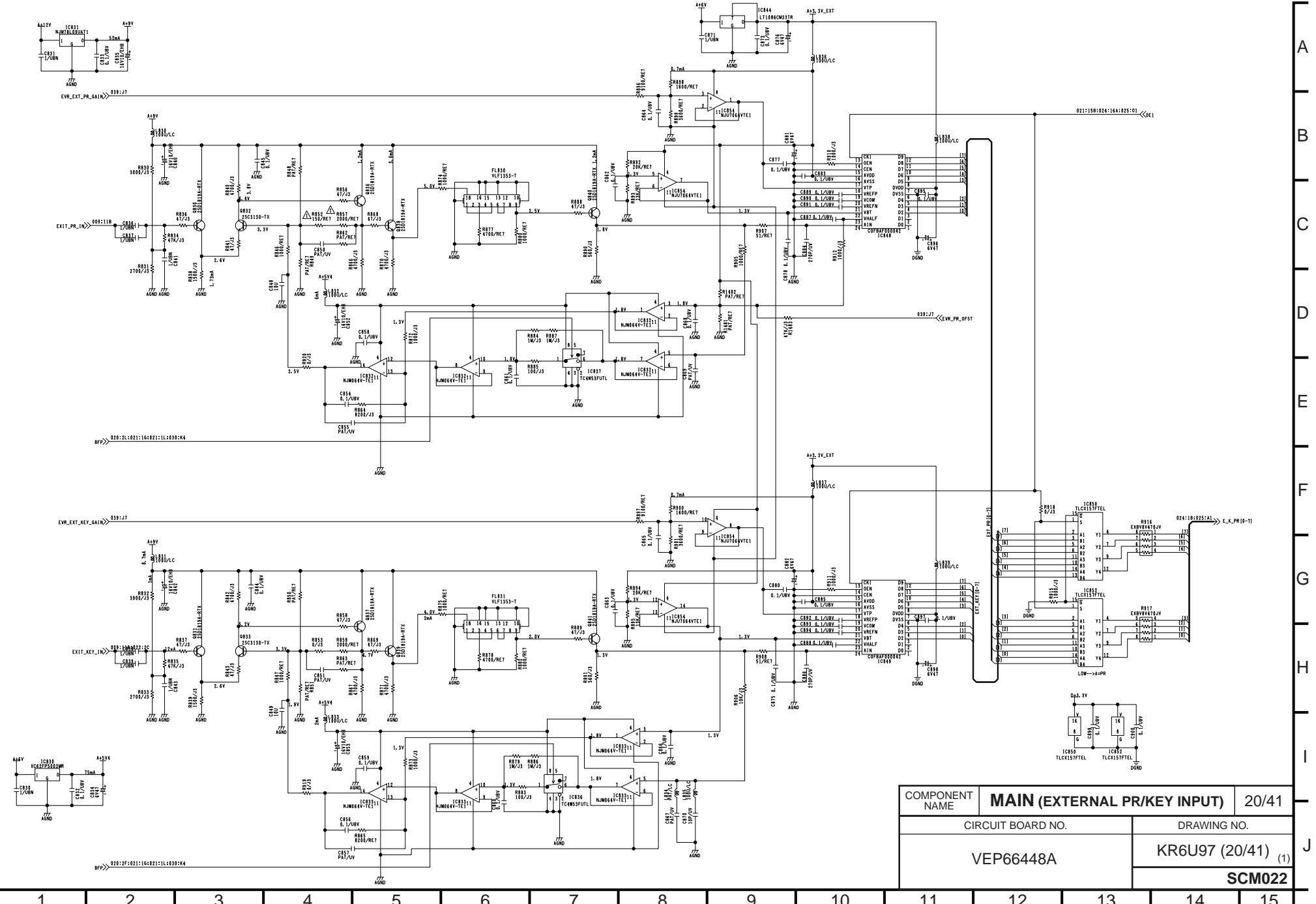


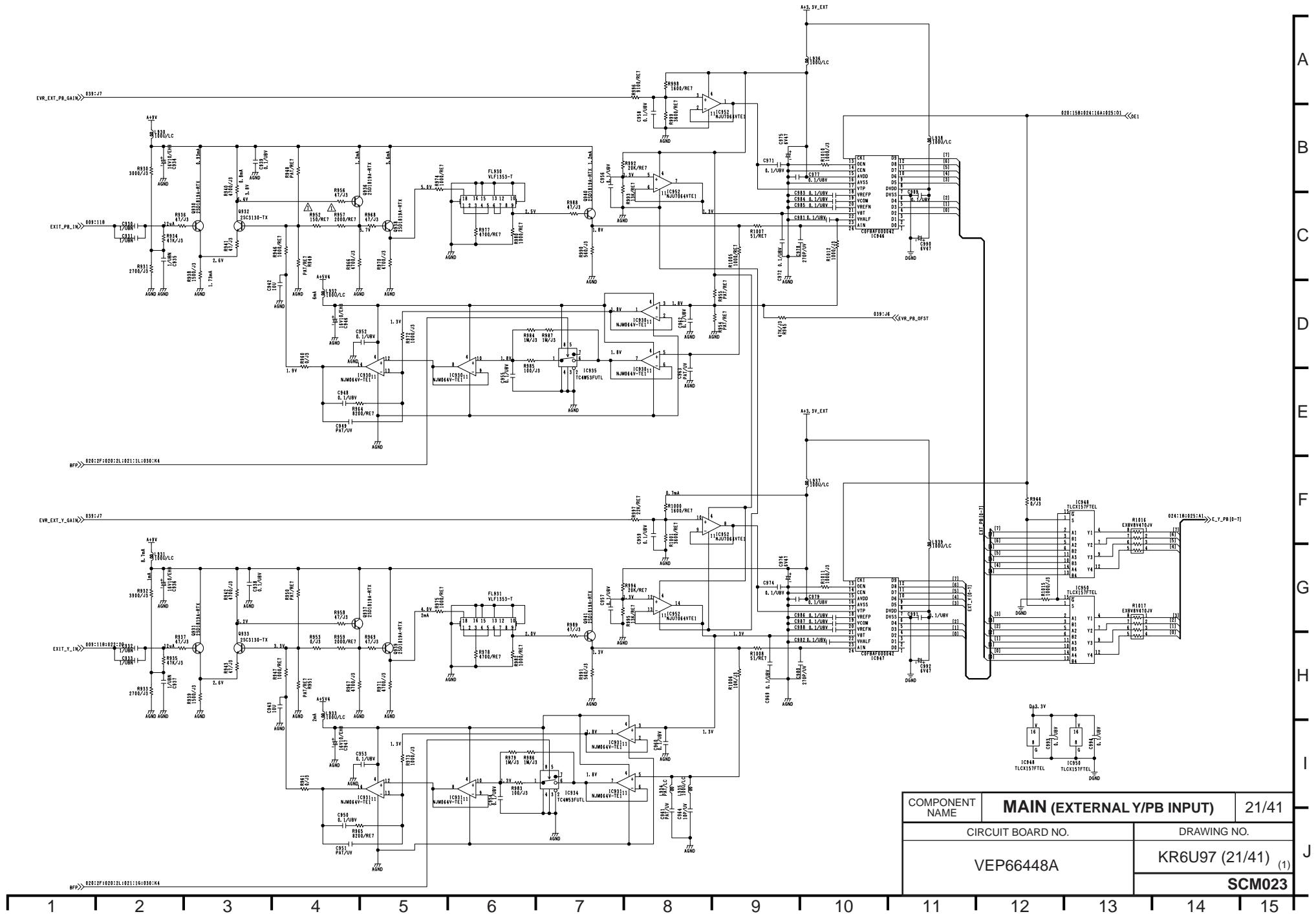
COMPONENT NAME	<b>MAIN (B-BUS FS)</b>	18/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (18/41) <small>(1)</small>	
	<b>SCM020</b>	J

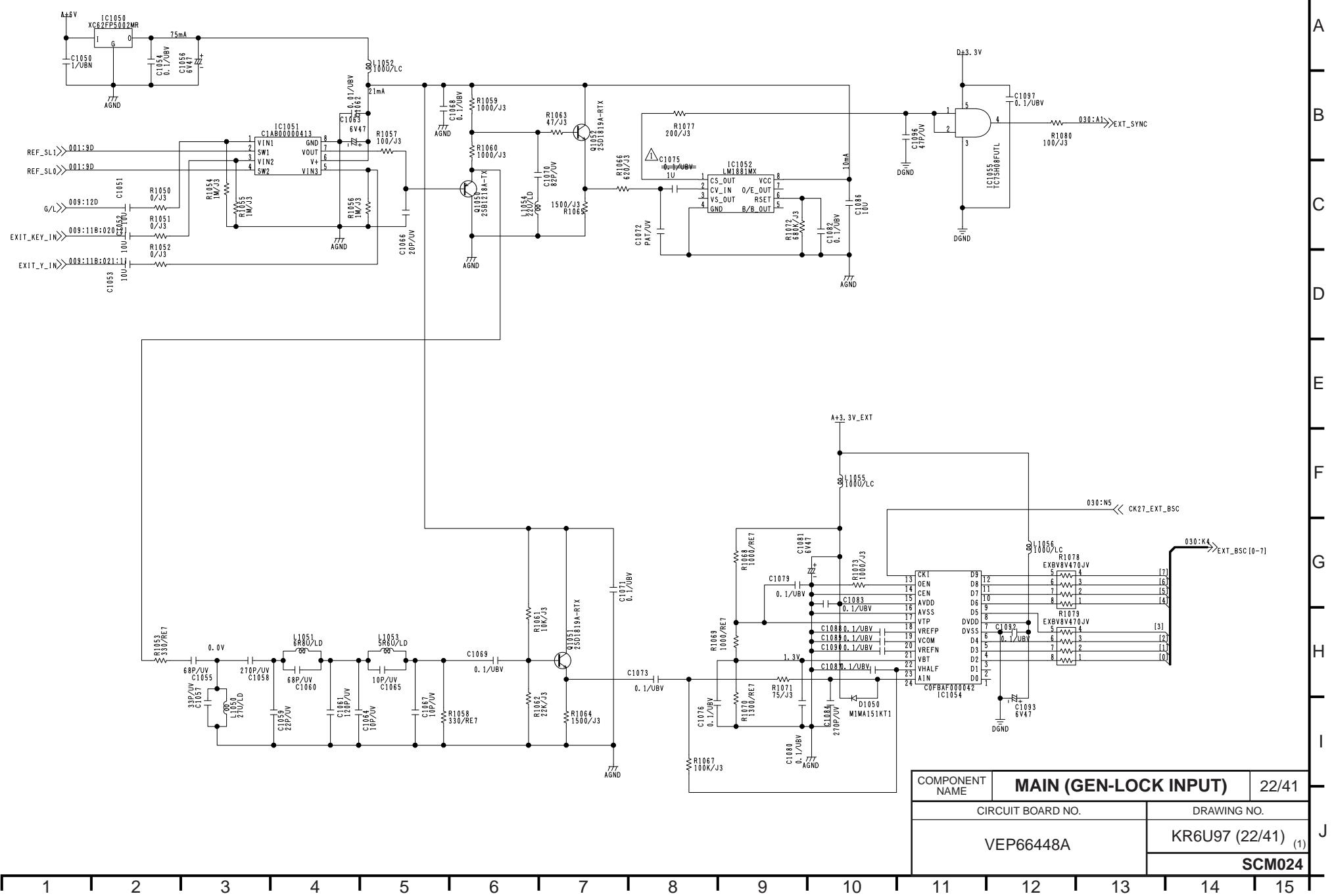


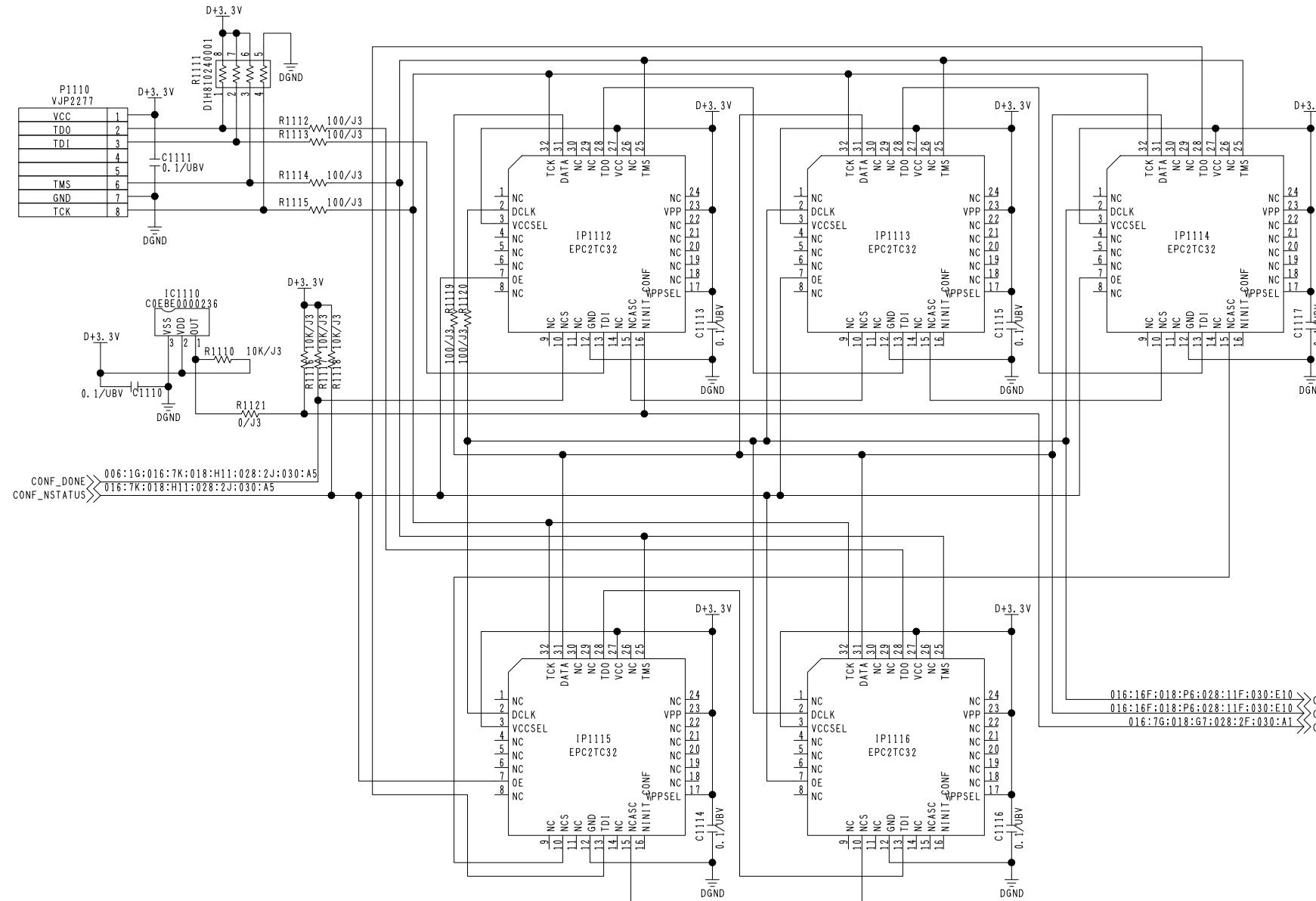
COMPONENT NAME	MAIN (B-BUS FS / SDRAM)	19/41
CIRCUIT BOARD NO.		DRAWING NO.
VEP66448A	KR6U97 (19/41) (1)	SCM021

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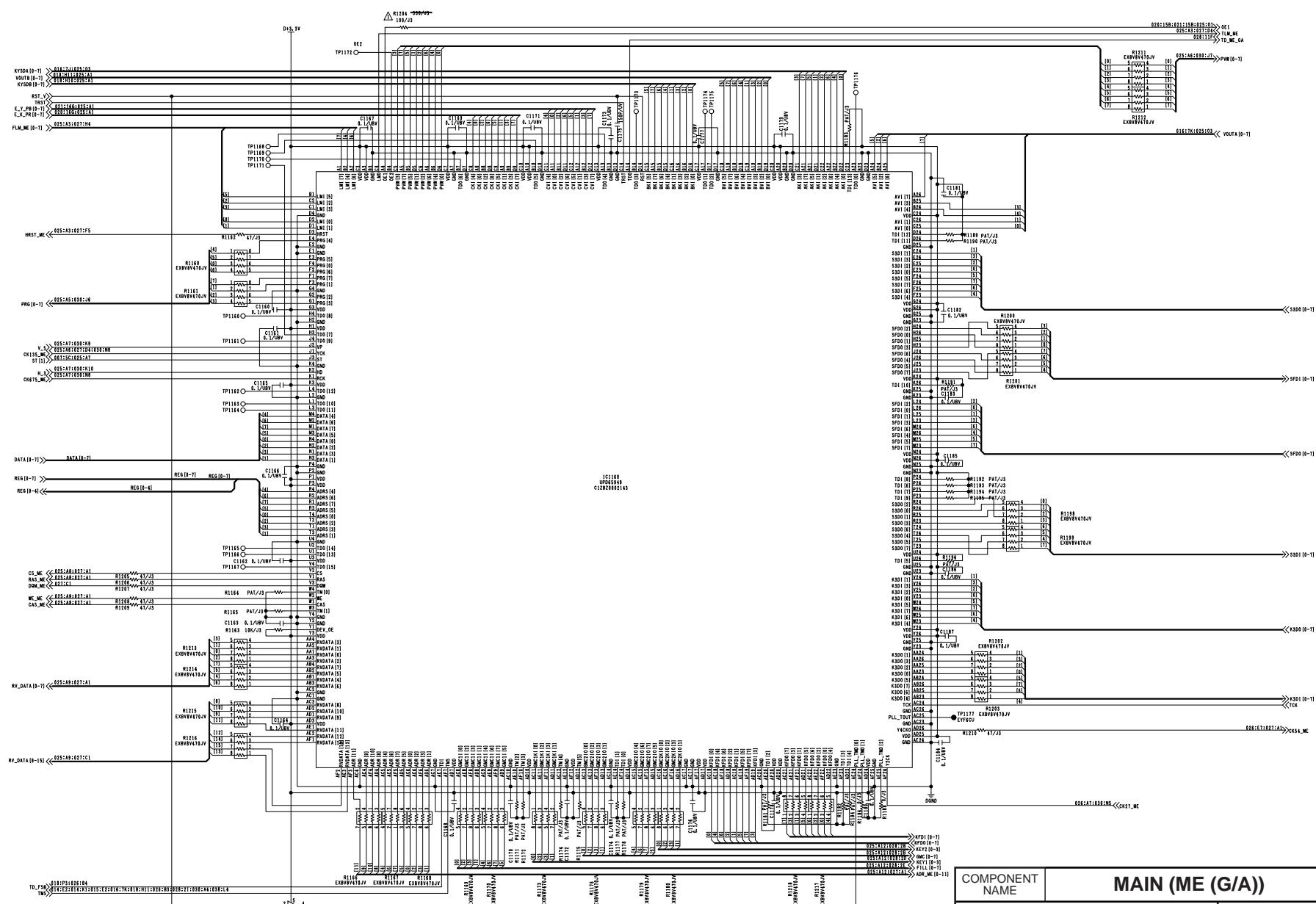




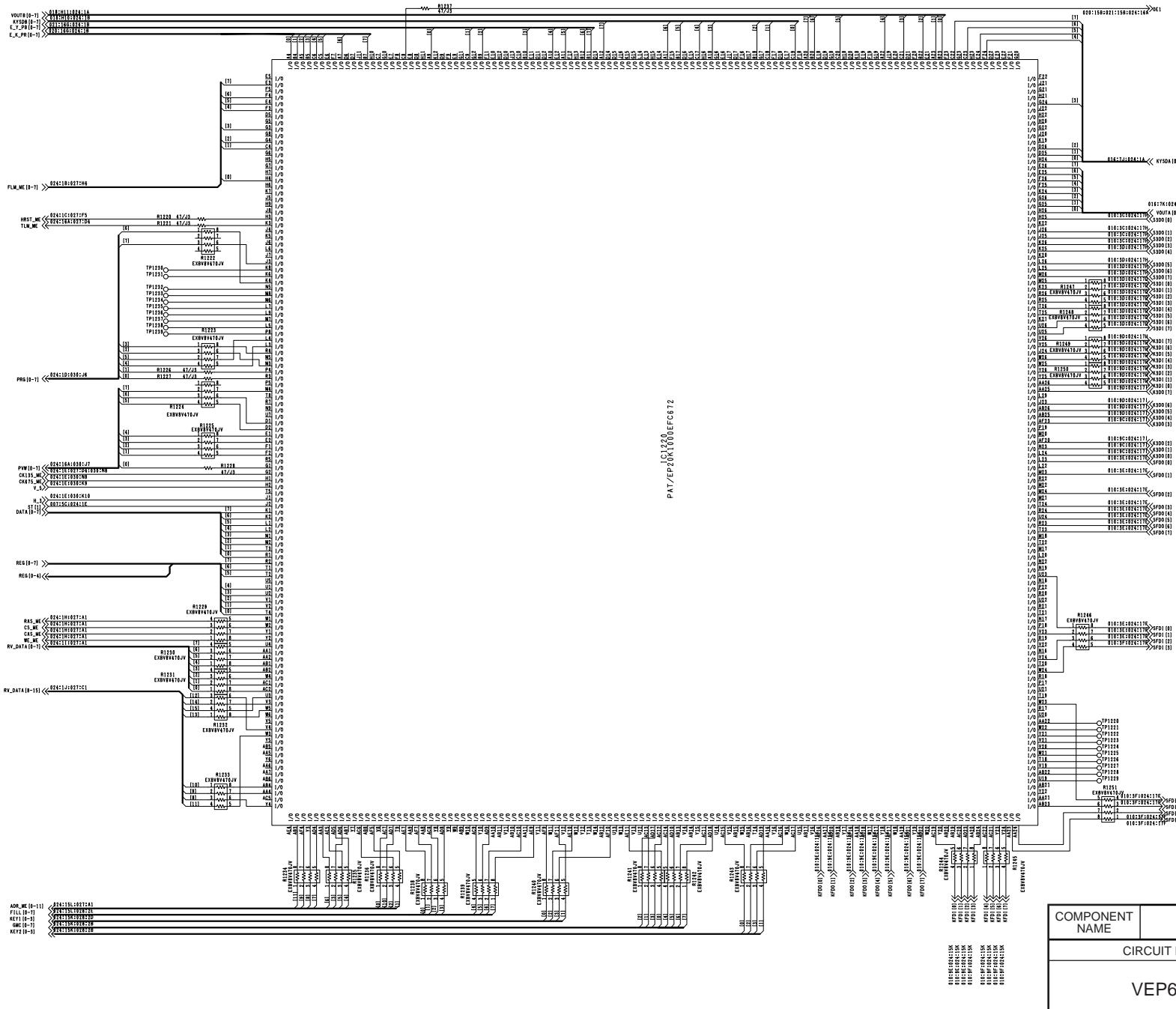


016:16F;018:P6:028:11F:030:E10 >> CONF\_DCLK  
016:16F;018:P6:028:11F:030:E10 >> CONF\_DATA0  
016:7G;018:G7:028:2F:030:A1 >> CONF\_NCONFFIG

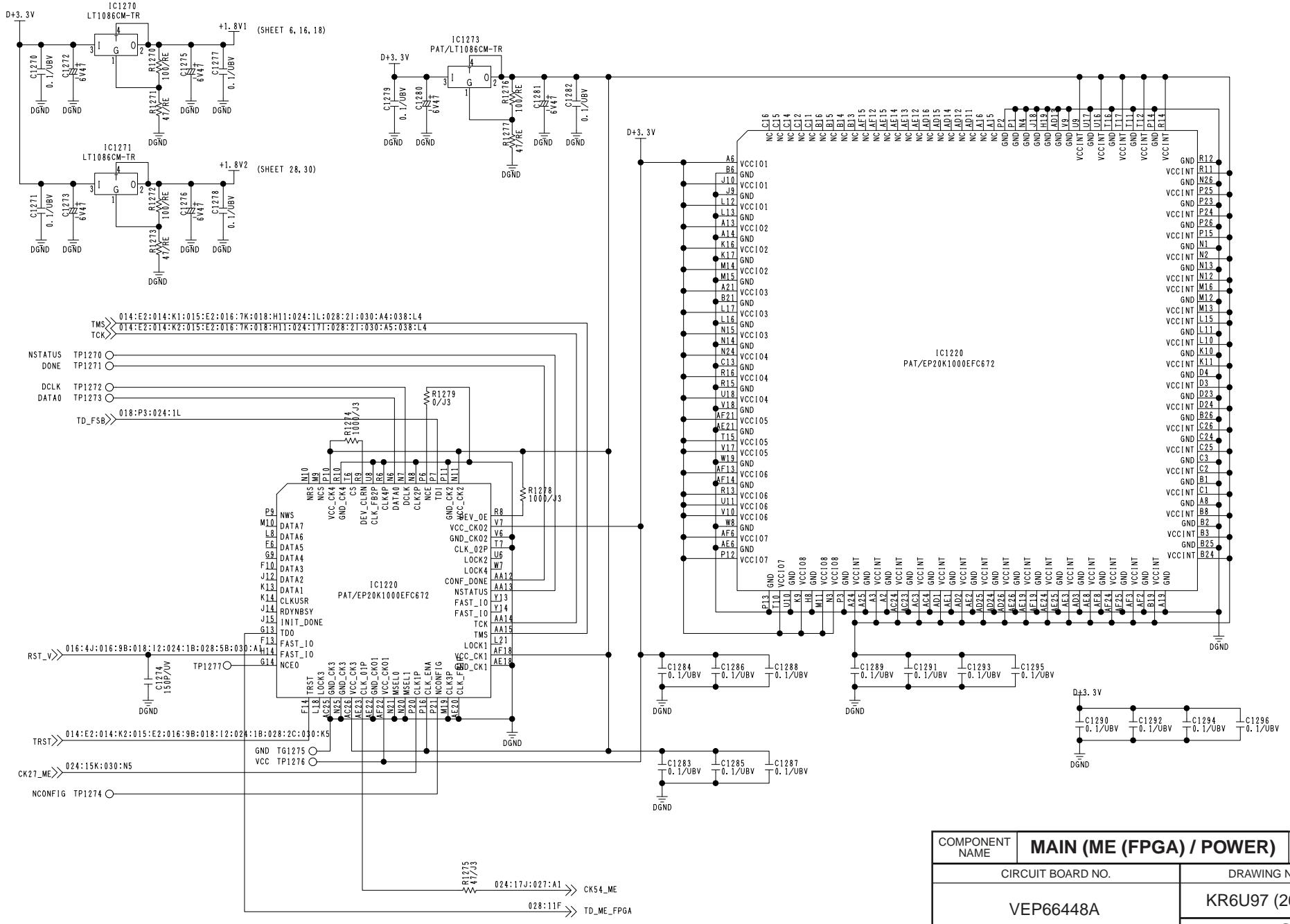
COMPONENT NAME	<b>MAIN (CONFIG. ROM)</b>		23/41
CIRCUIT BOARD NO.	DRAWING NO.		
VEP66448A	KR6U97 (23/41) (1)		
	<b>SCM025</b>		
11	12	13	14



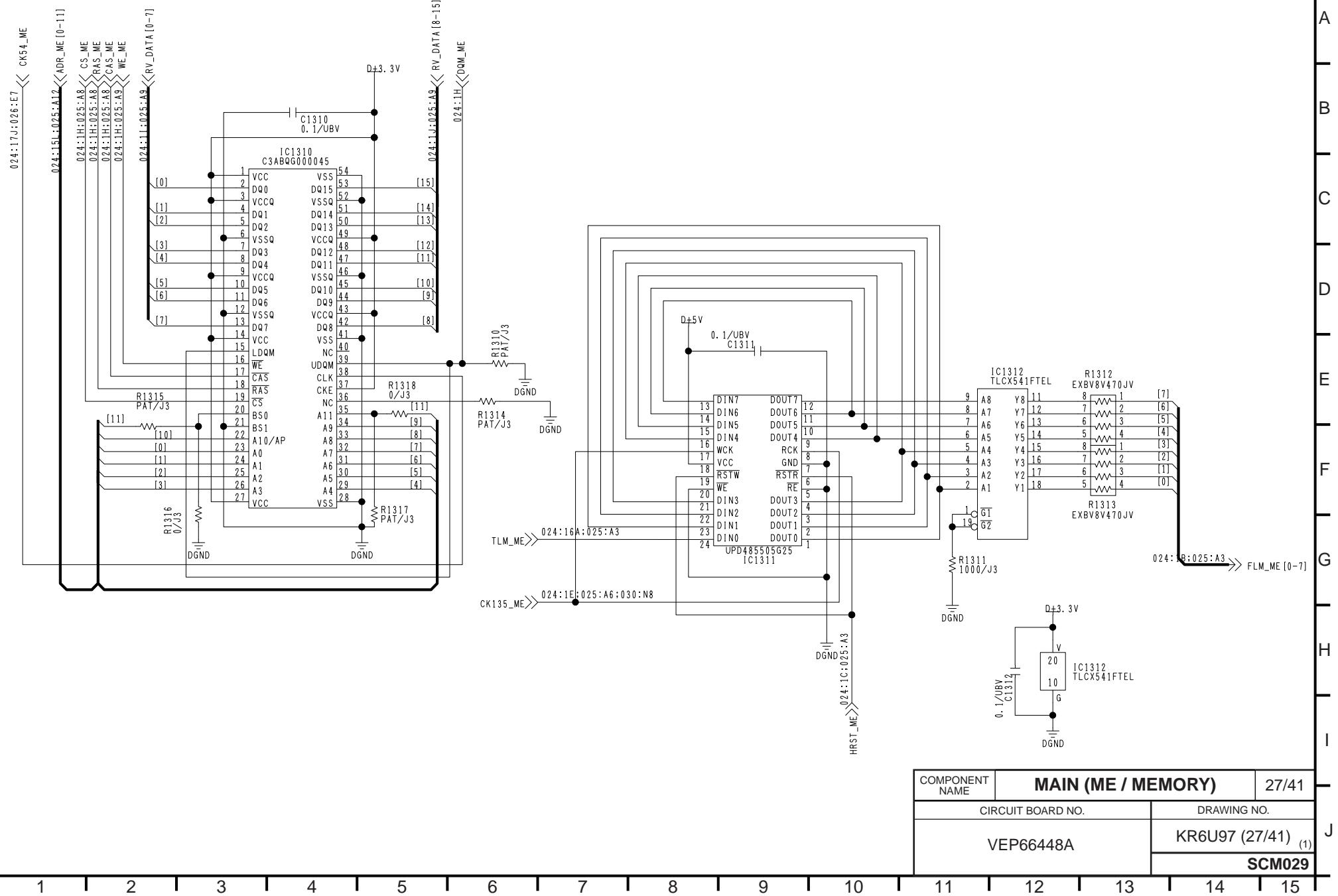
COMPONENT NAME	MAIN (ME (G/A))	24/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (24/41) (1)	J
	SCM026	

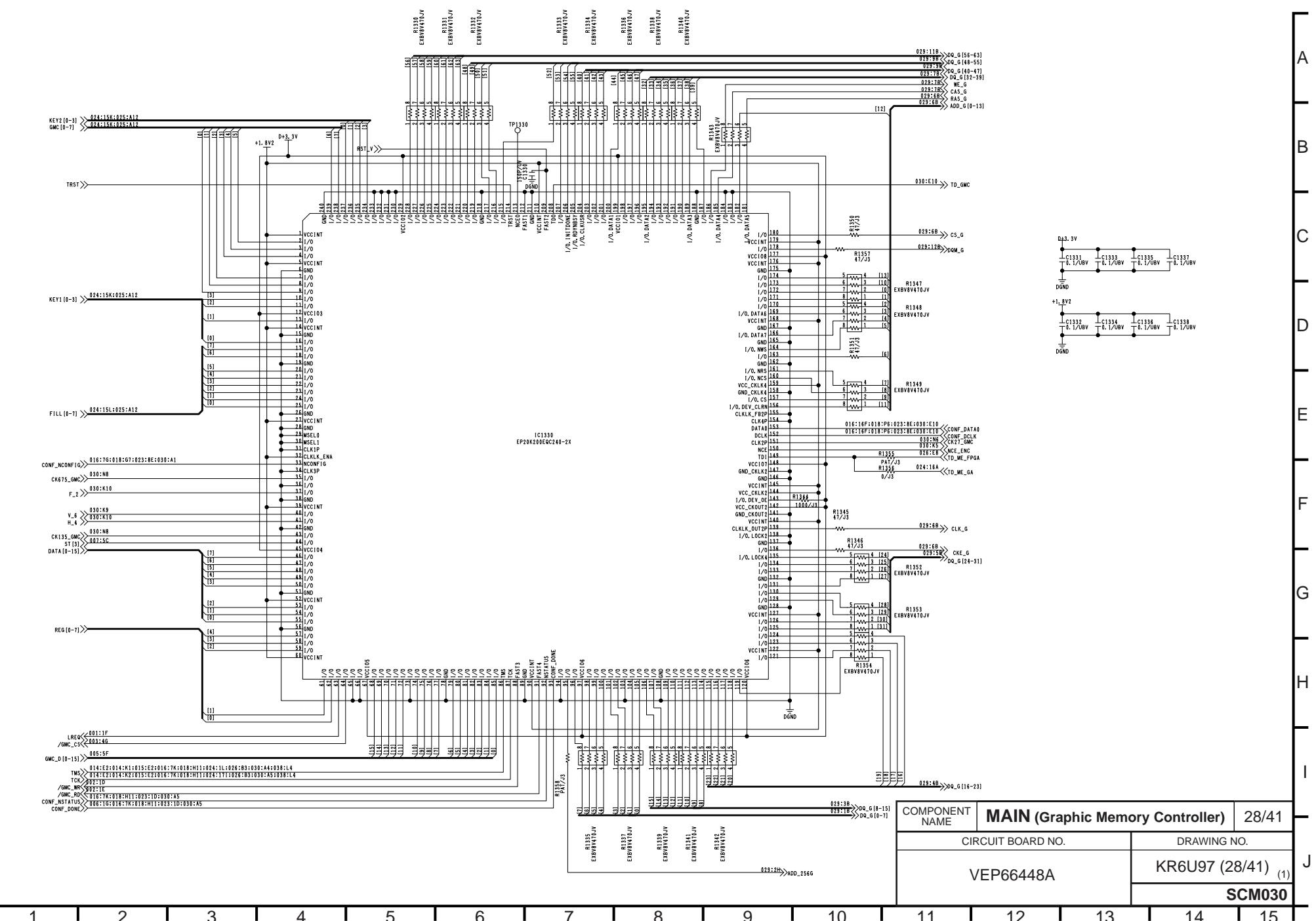


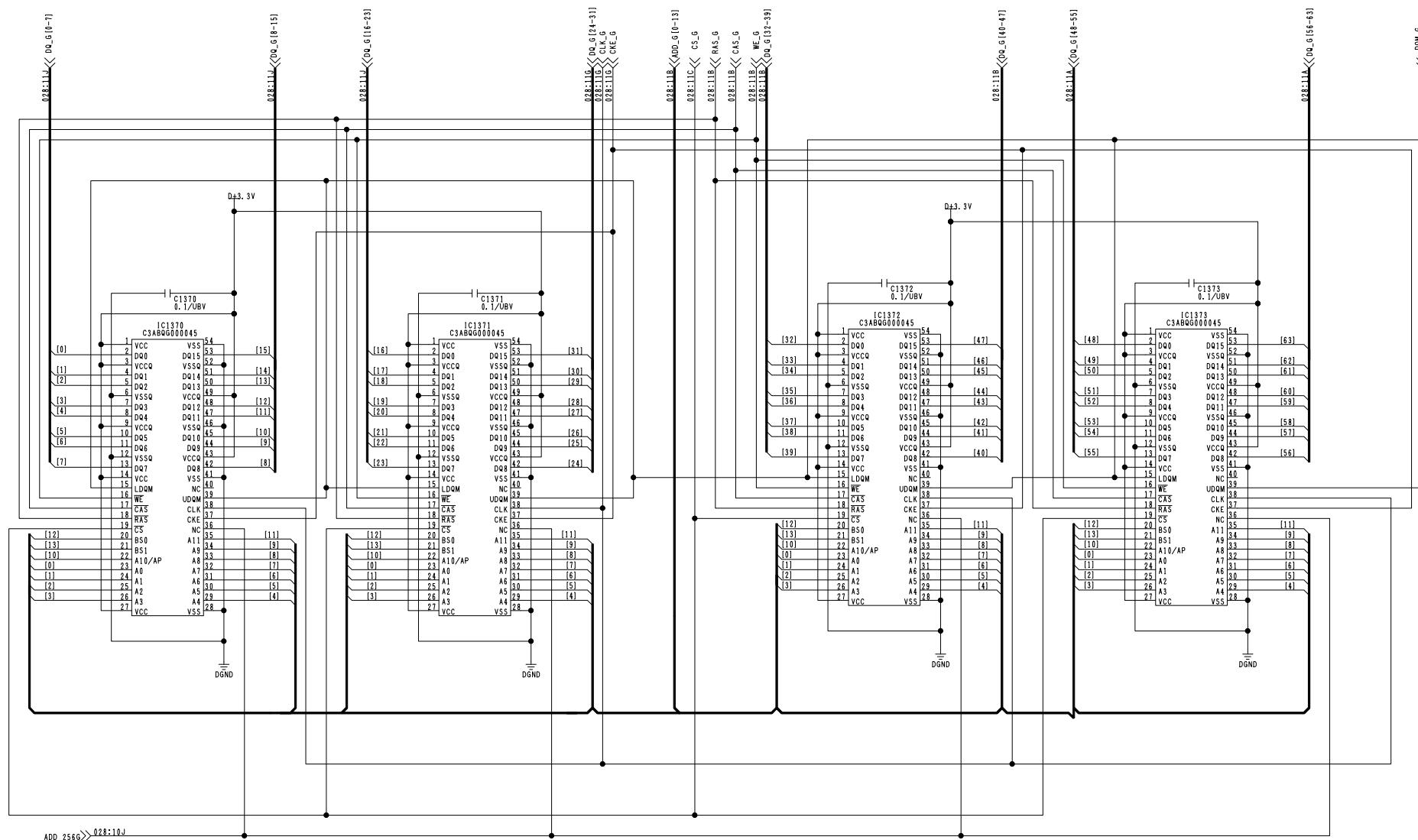
COMPONENT NAME	MAIN (ME (FPGA))	25/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A		KR6U97 (25/41)
SCM027		(1)



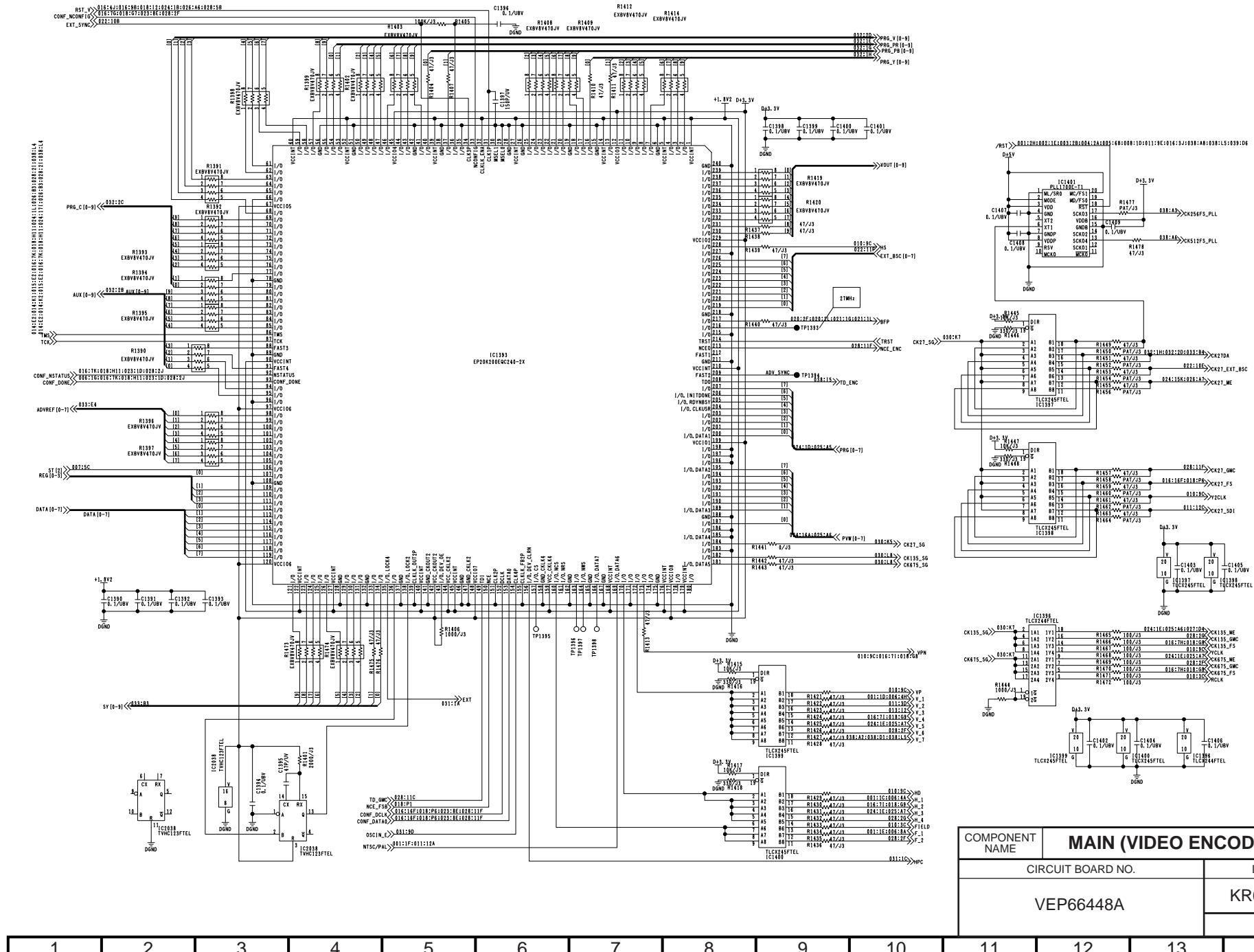
COMPONENT NAME	MAIN (ME (FPGA) / POWER)	26/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (26/41) <small>(1)</small>	J
	SCM028	

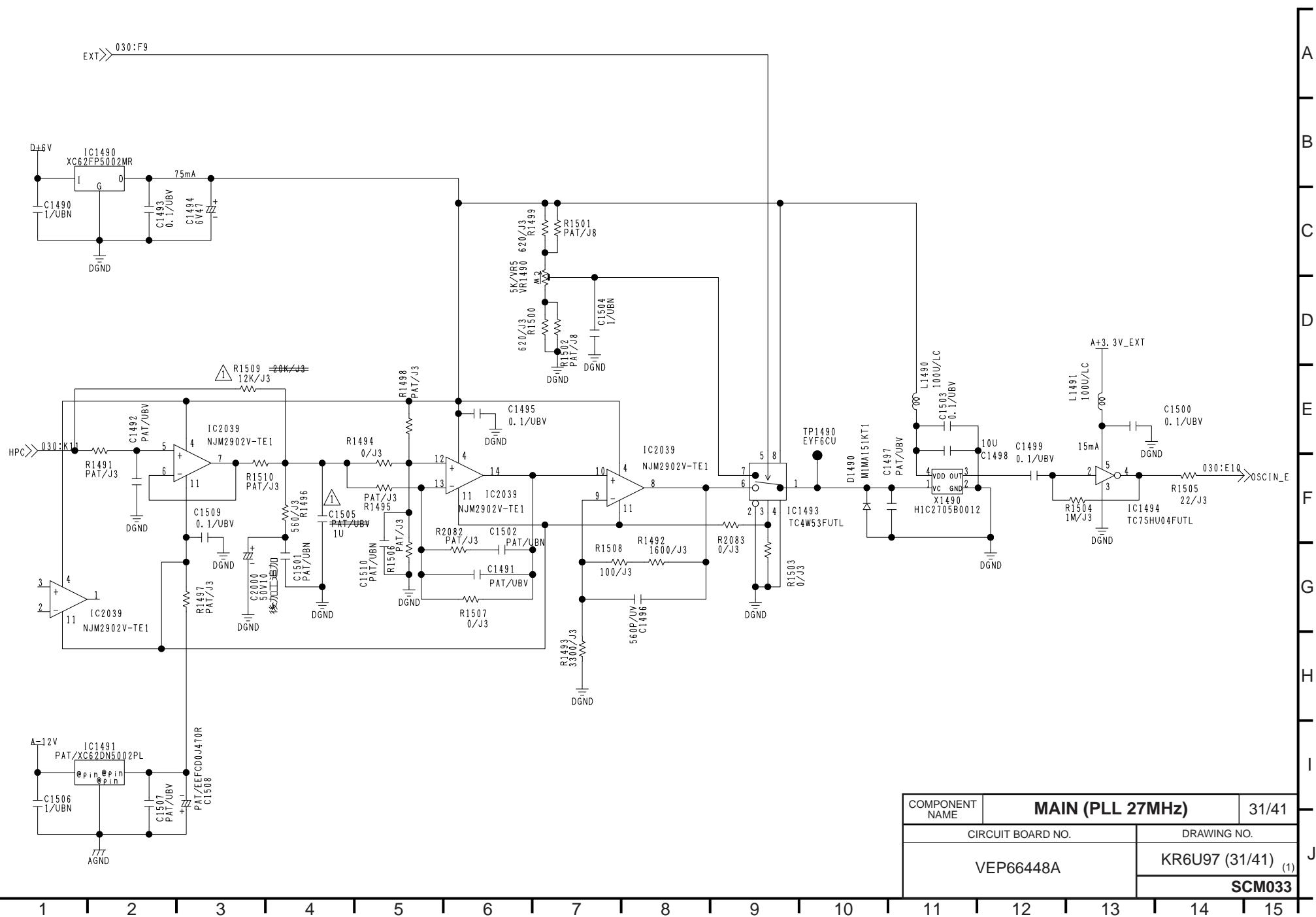


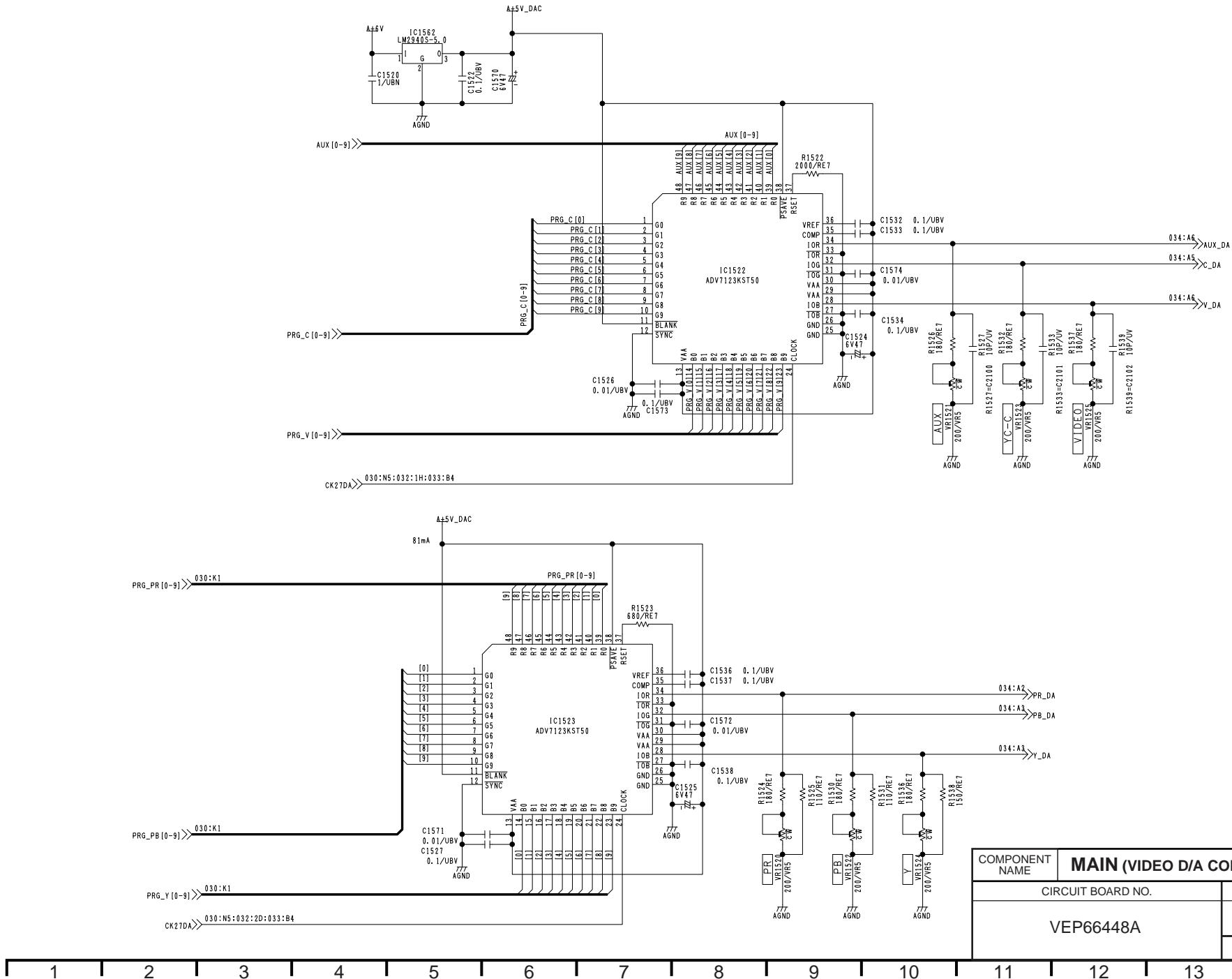




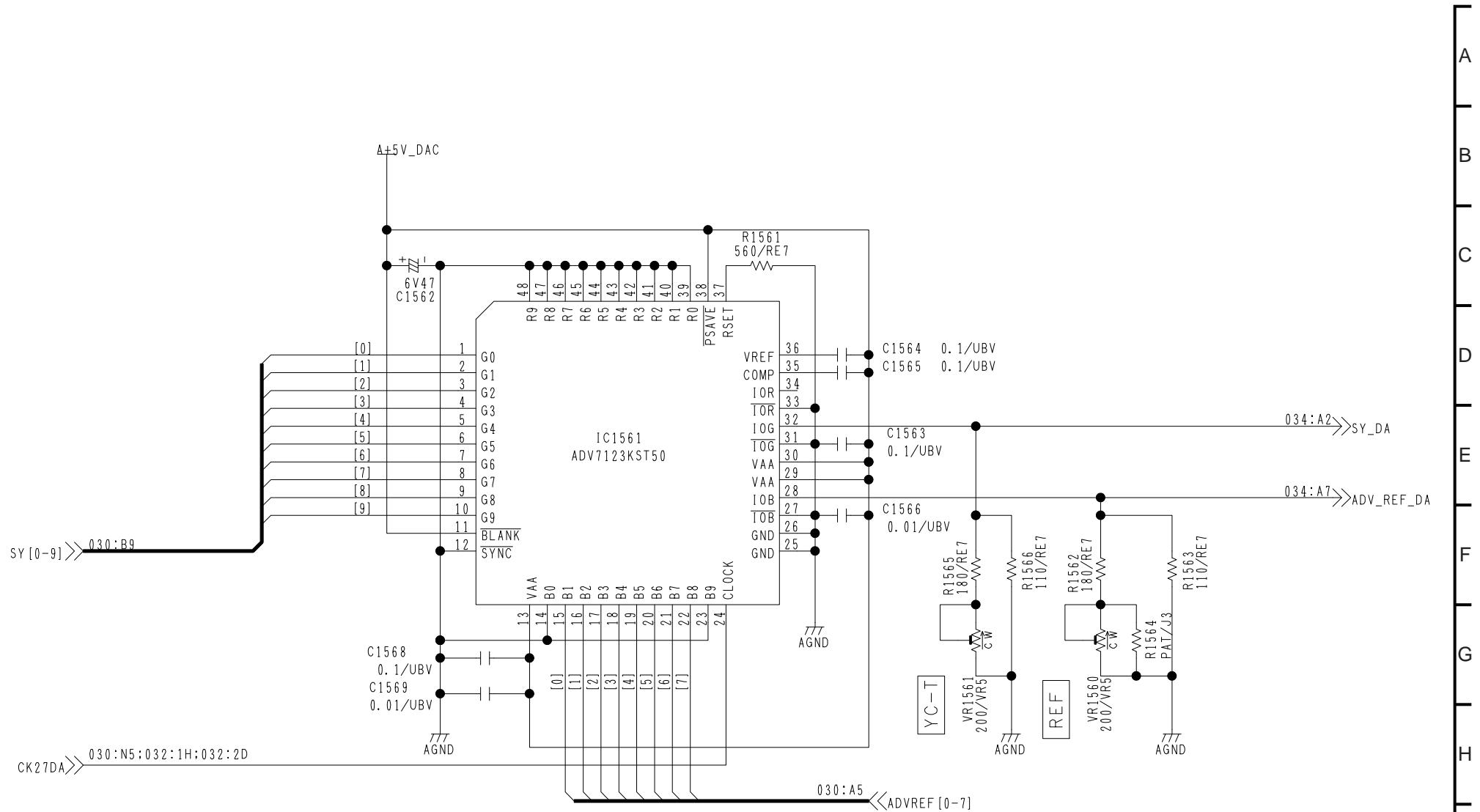
COMPONENT NAME	MAIN (GMC / SDRAM)	29/41
CIRCUIT BOARD NO.		DRAWING NO.
	VEP66448A	KR6U97 (29/41) (1)
	SCM031	



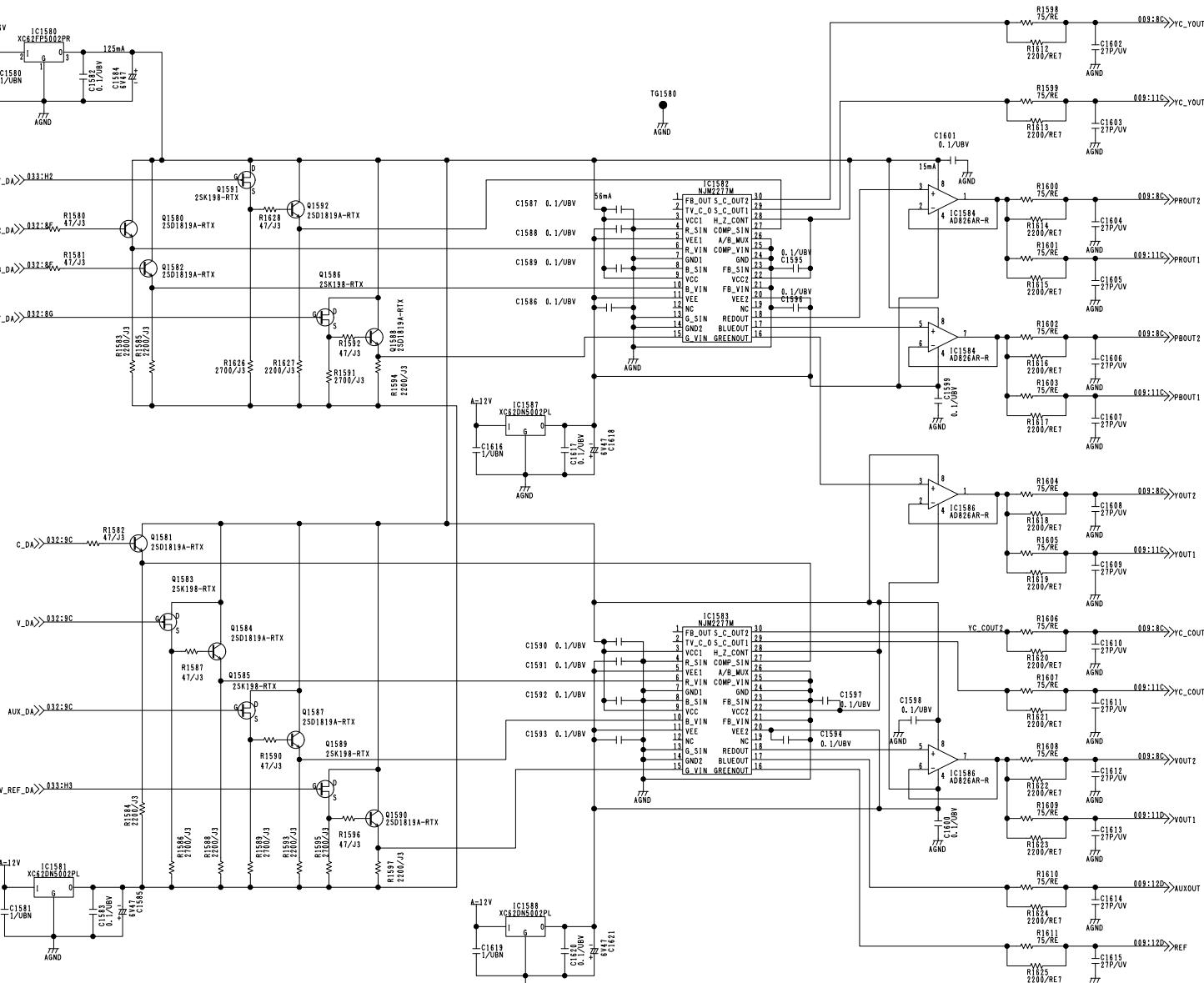




COMPONENT NAME	<b>MAIN (VIDEO D/A CONVERTER 1)</b>	32/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (32/41) <small>(1)</small>	J
	<b>SCM034</b>	

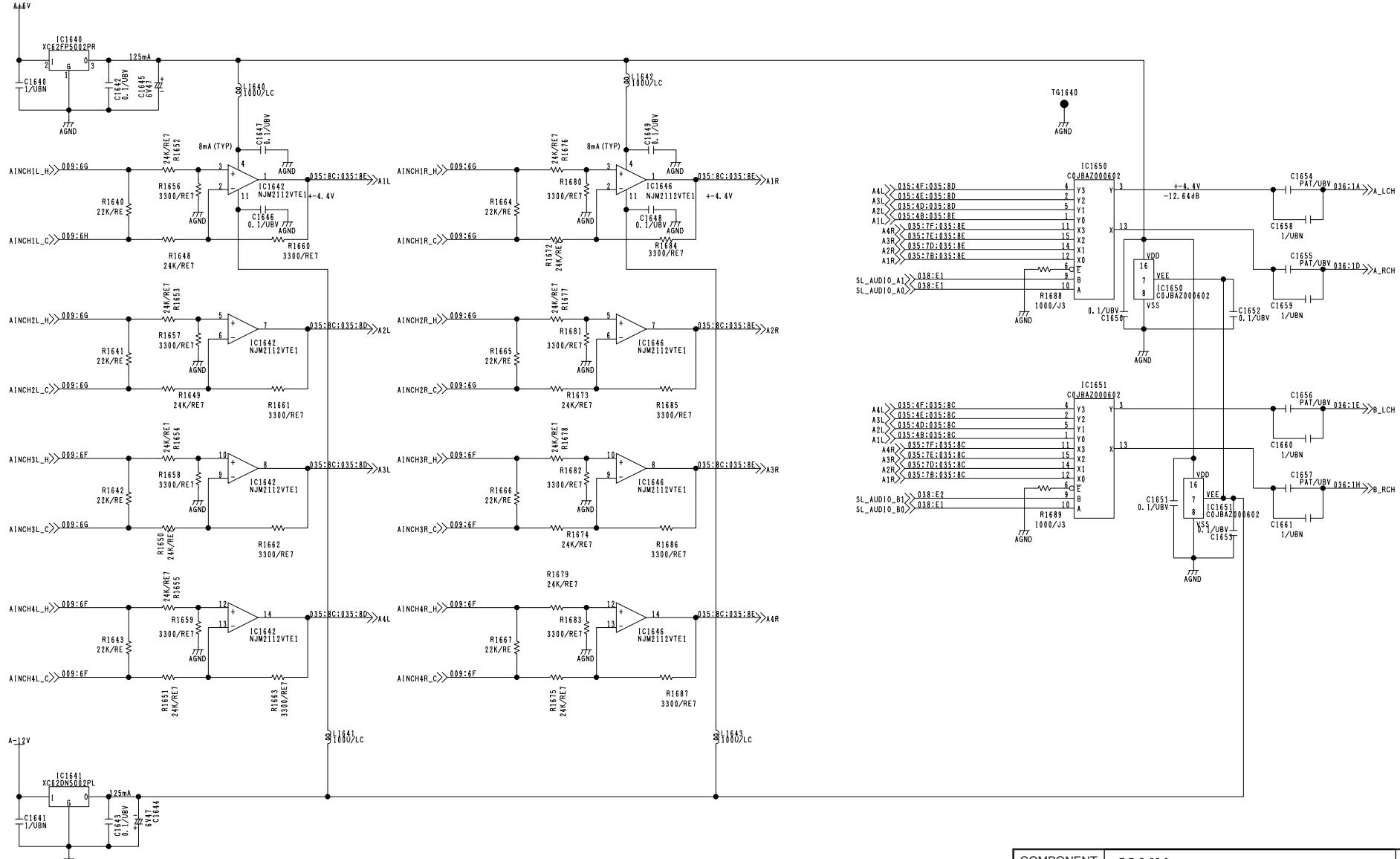


COMPONENT NAME	<b>MAIN (VIDEO D/A CONVERTER 2)</b>		33/41
CIRCUIT BOARD NO.	DRAWING NO.		J
VEP66448A	KR6U97 (33/41) <small>(1)</small>		
	<b>SCM035</b>		
11	10	19	14

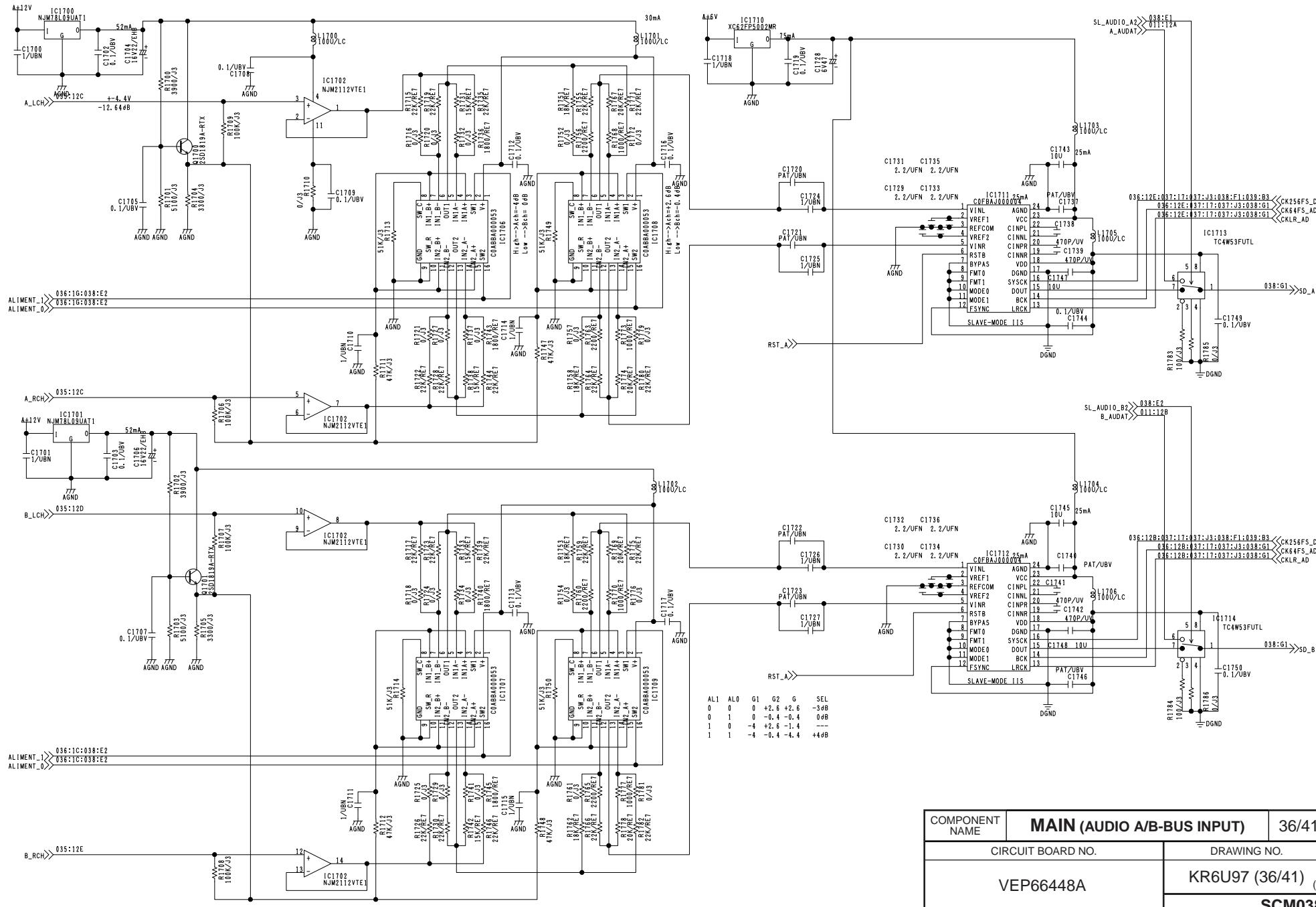


COMPONENT NAME	MAIN (OUTPUT BEFFERS (VIDEO))	34/41
CIRCUIT BOARD NO.		DRAWING NO.
VEP66448A		KR6U97 (34/41) (1)
SCM036		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	MAIN (AUDIO CROSS-POINT SW.)	35/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A		J
SCM037		(1)

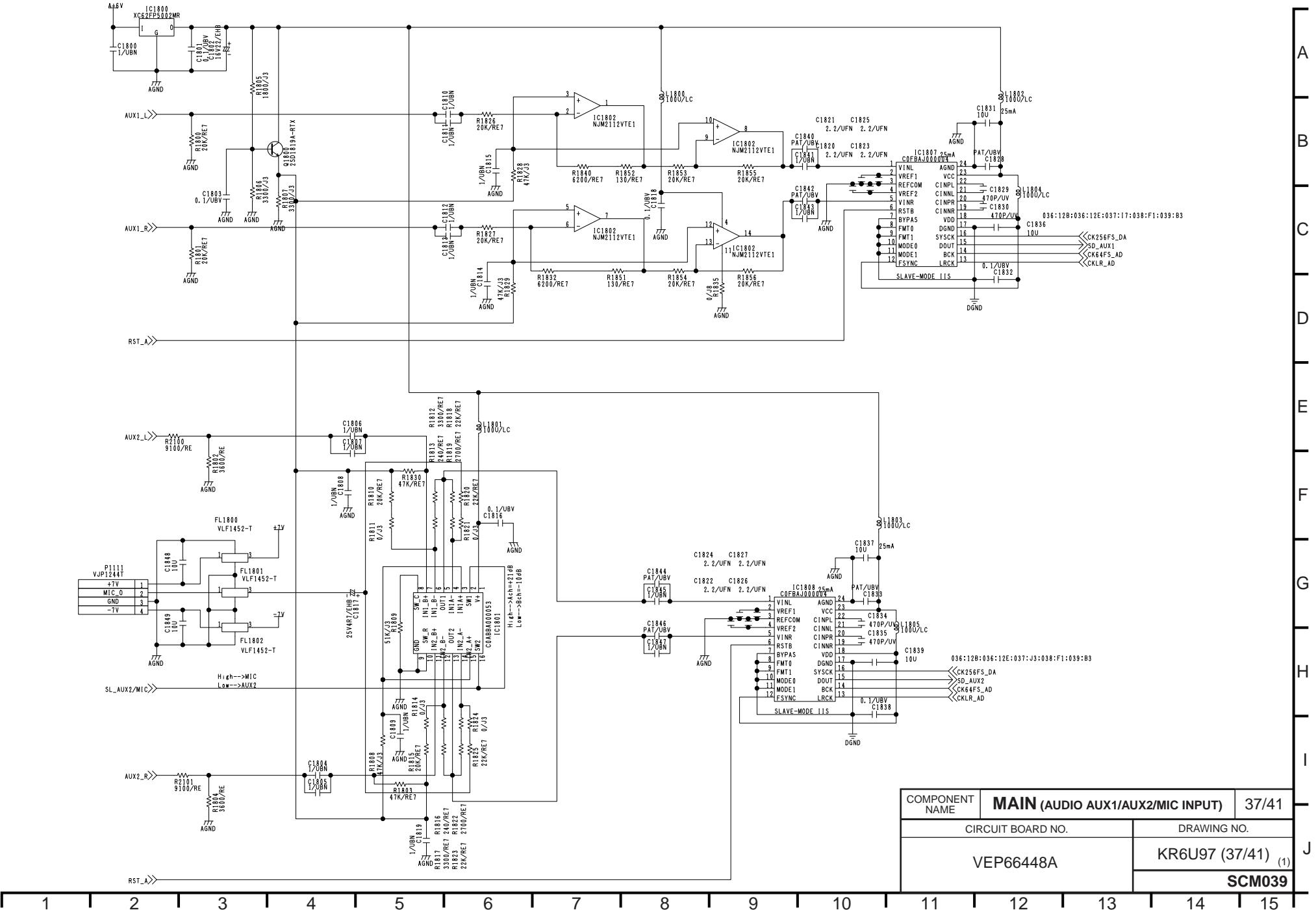


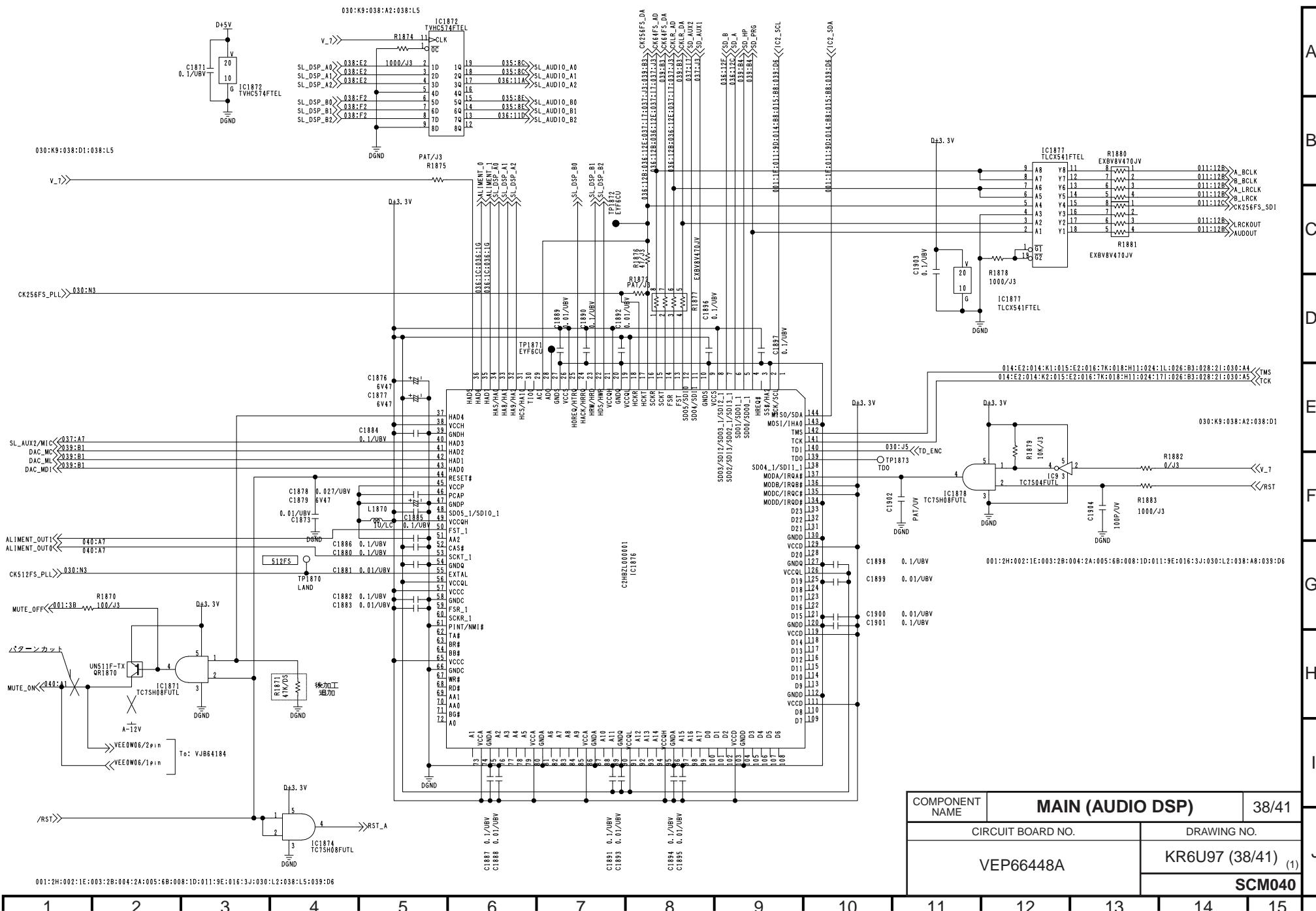
COMPONENT MAIN (AUDIO A/B BUS INPUT) 36/41

CIRCUIT BOARD NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_

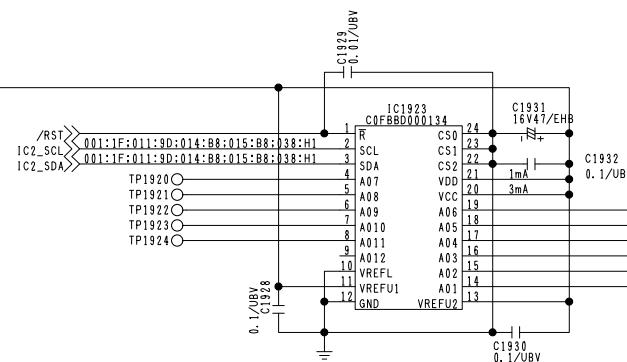
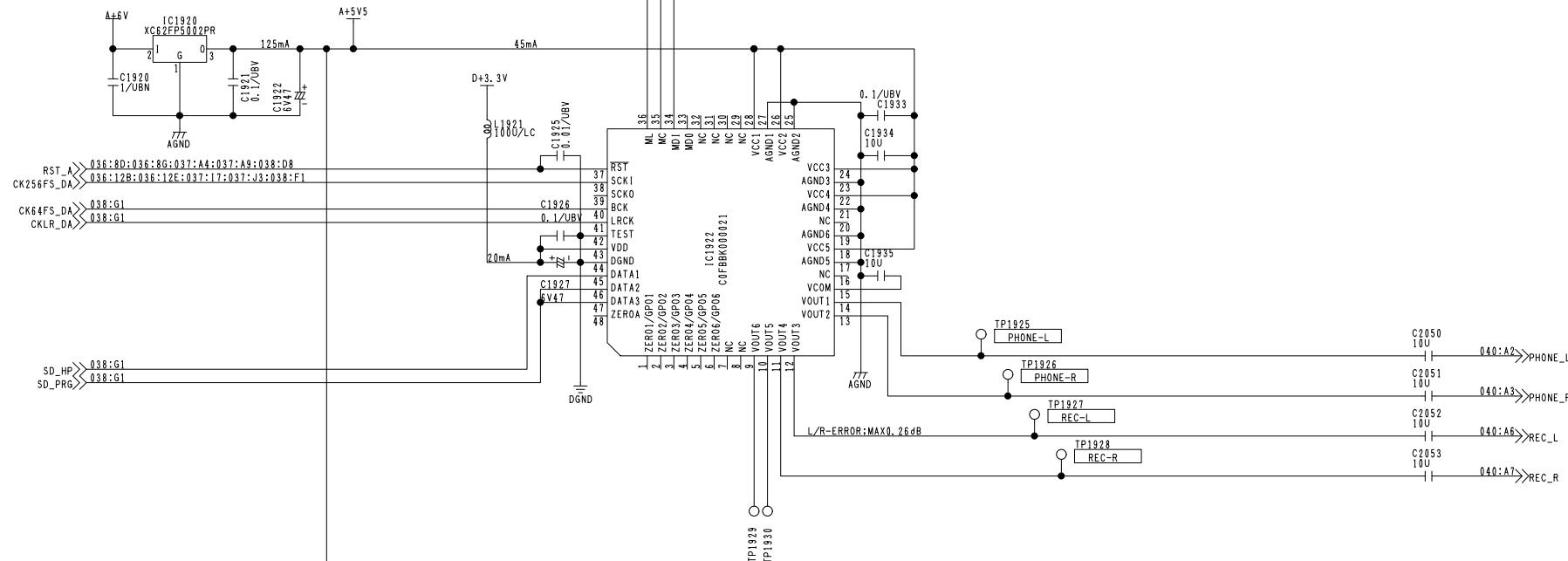
VEP66418A

VEP66448A KR6U97 (36/41) (



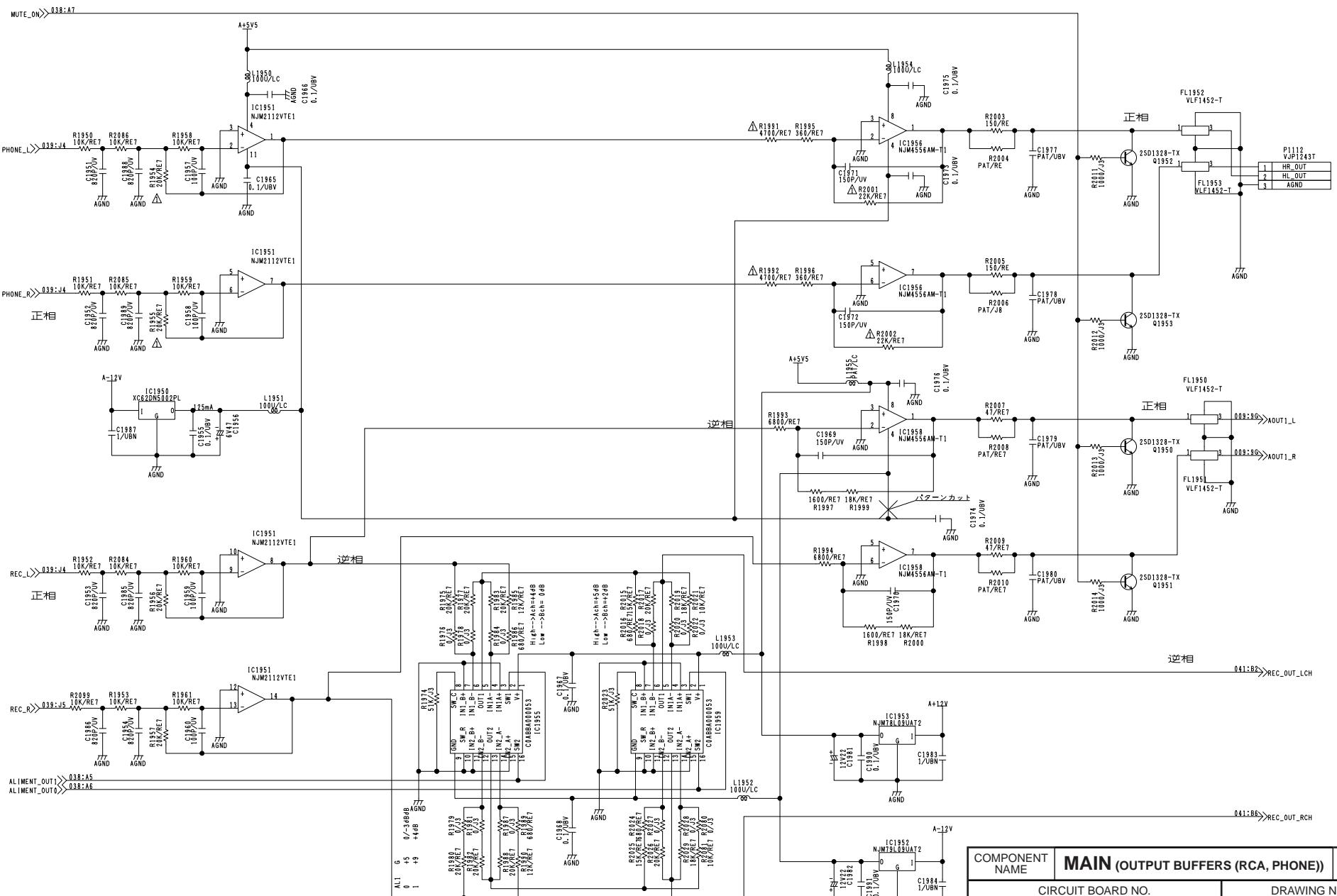


DAC\_MDI>>038:A5  
DAC\_MC>>038:A5  
DAC\_DL>>038:A5

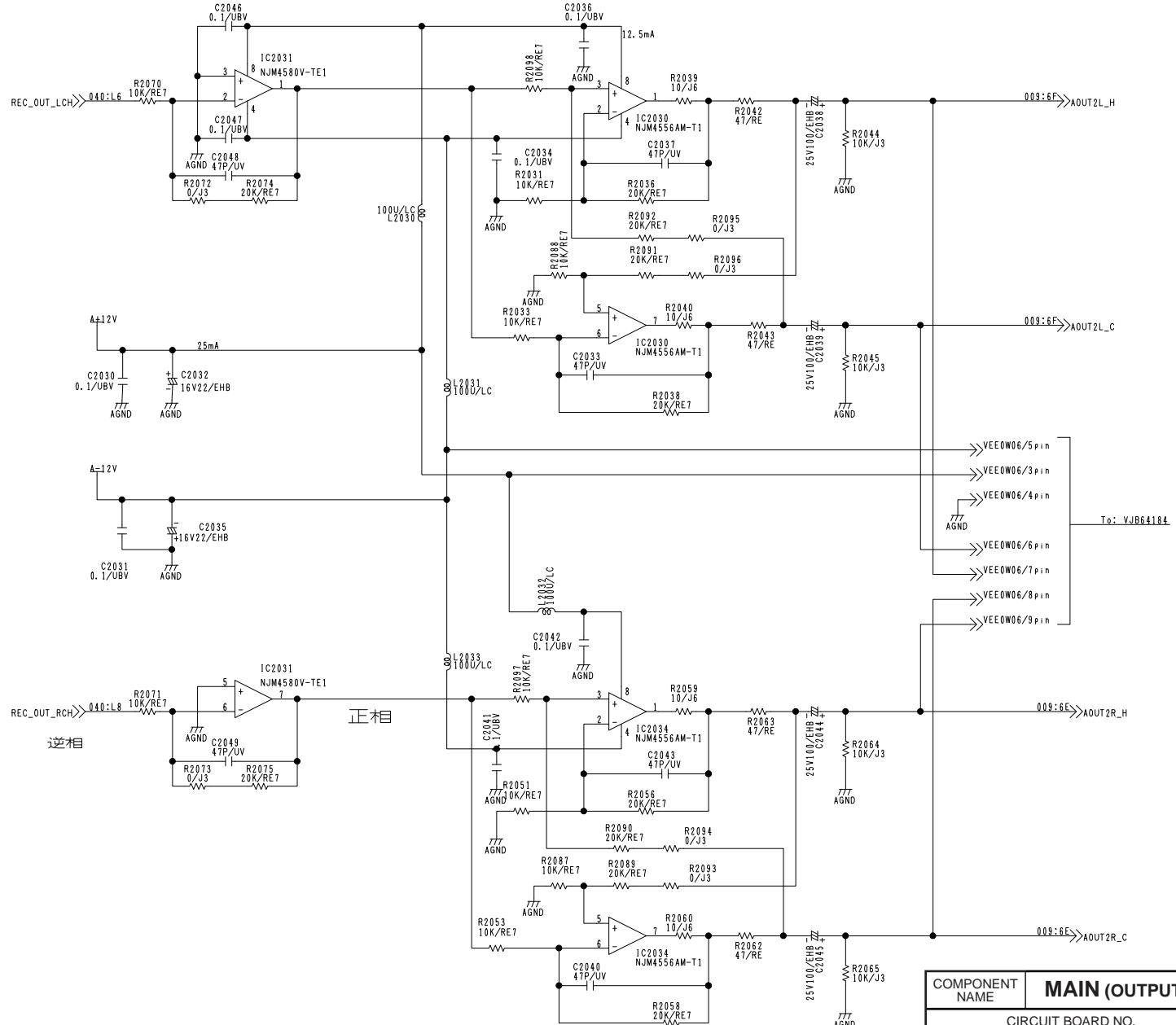


021:12E>>EV\_R\_PR\_OFST  
020:13E>>EV\_R\_PR\_OFST  
021:18E>>EV\_R\_EXT\_PB\_GAIN  
020:2B>>EV\_R\_EXT\_PR\_GAIN  
021:1G>>EV\_R\_EXT\_PR\_GAIN  
020:2G>>EV\_R\_EXT\_V\_GAIN  
020:2G>>EV\_R\_EXT\_KEY\_GAIN

COMPONENT NAME	MAIN (AUDIO D/A, EVR)	39/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A		KR6U97 (39/41) (1)
SCM041		

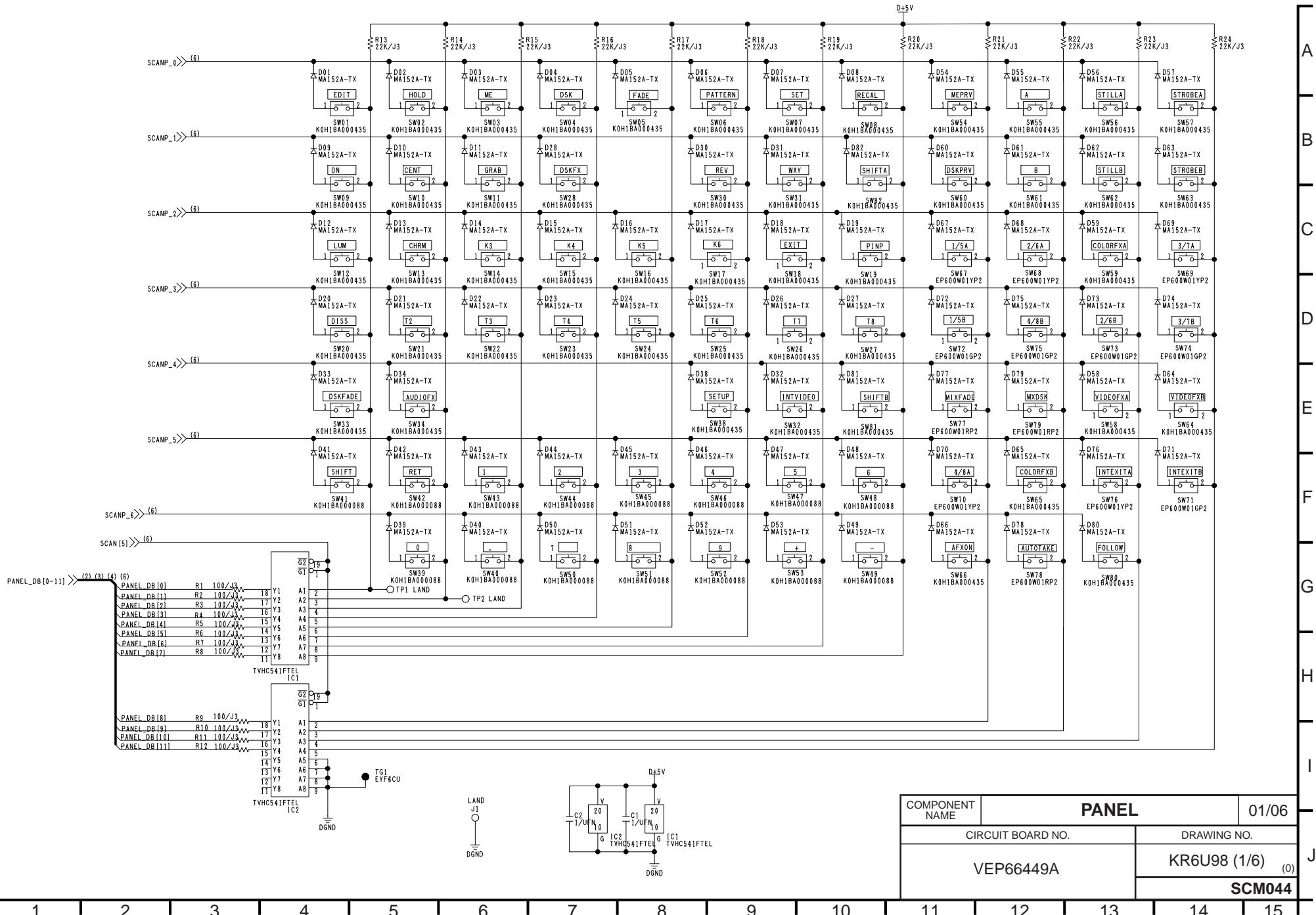


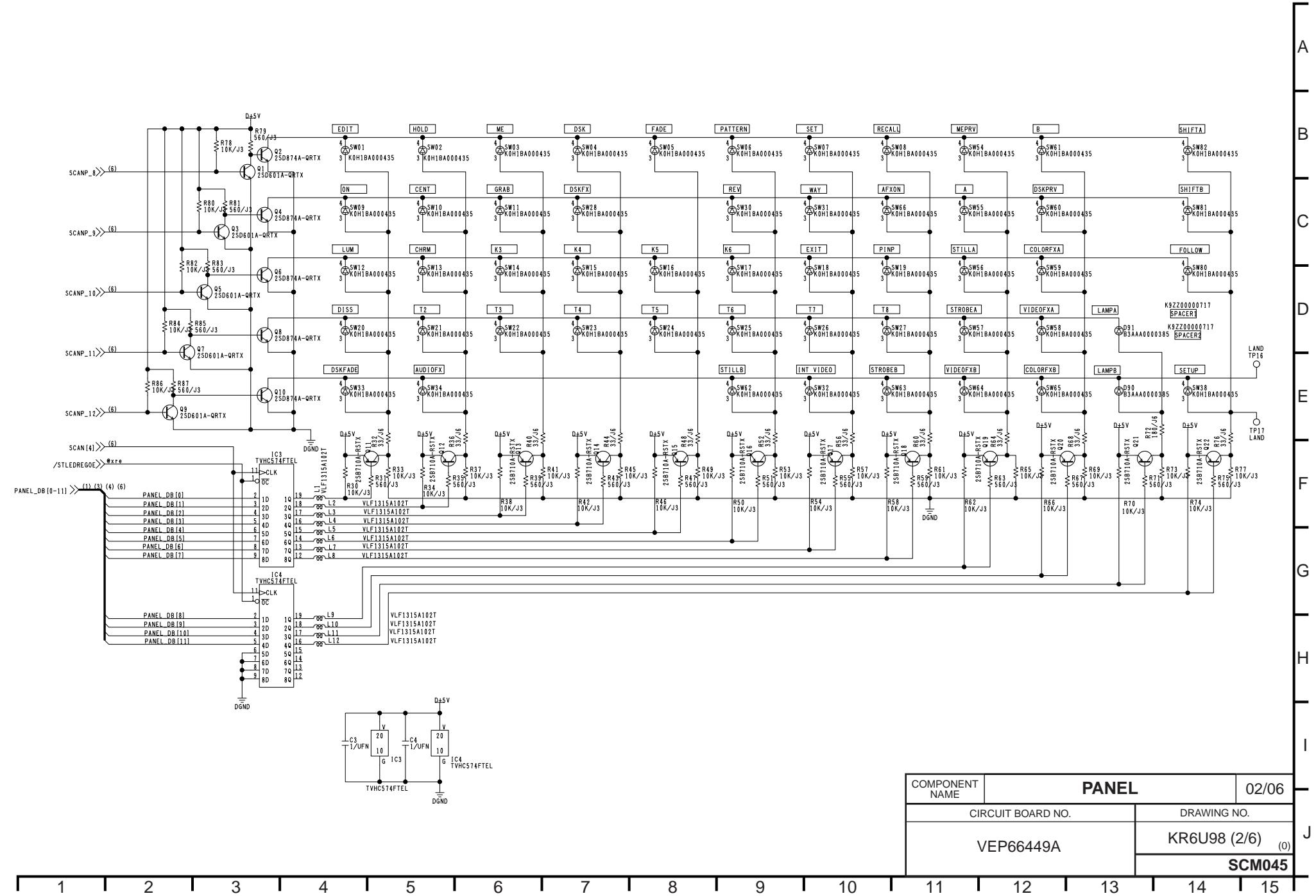
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

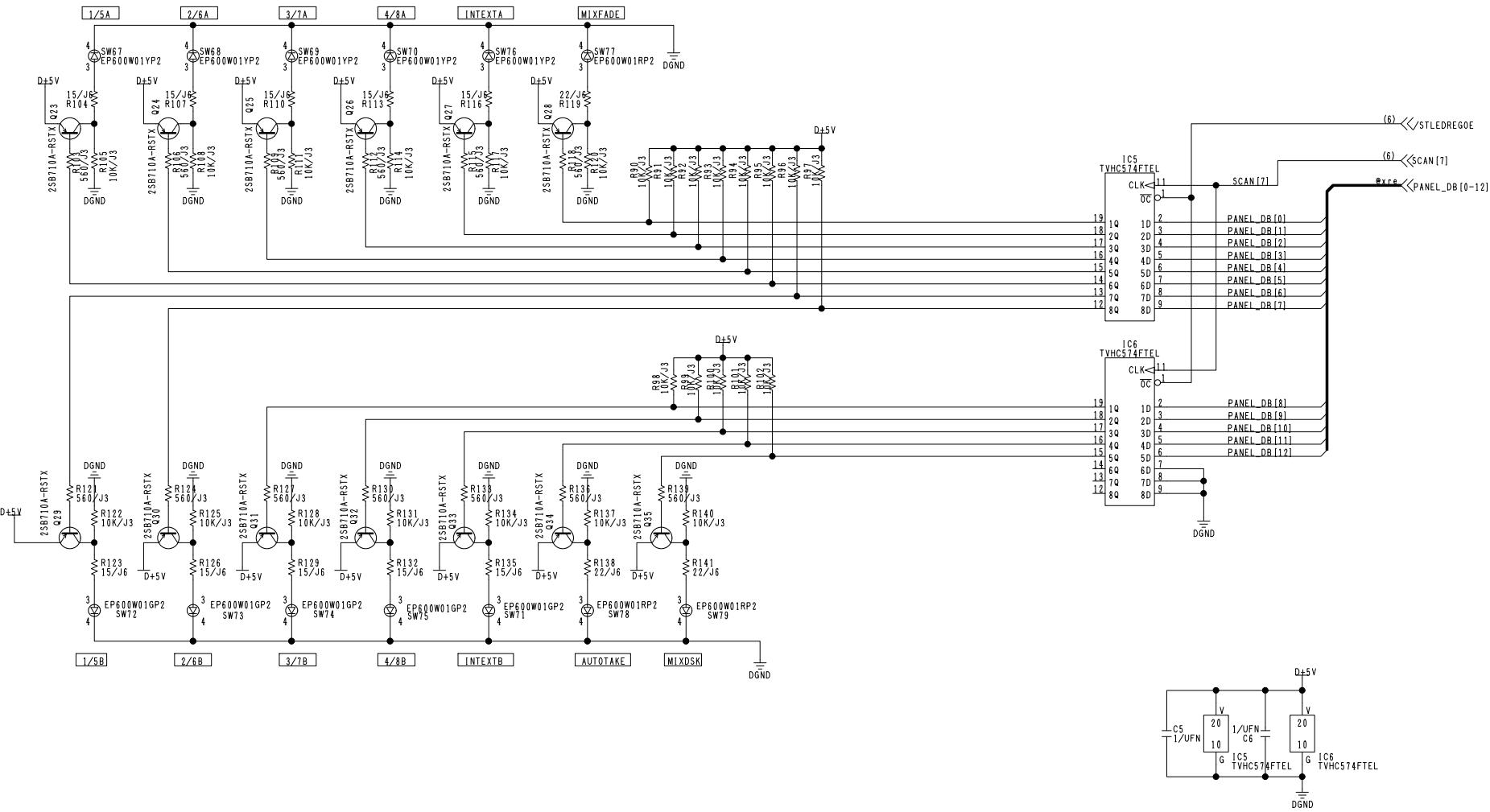


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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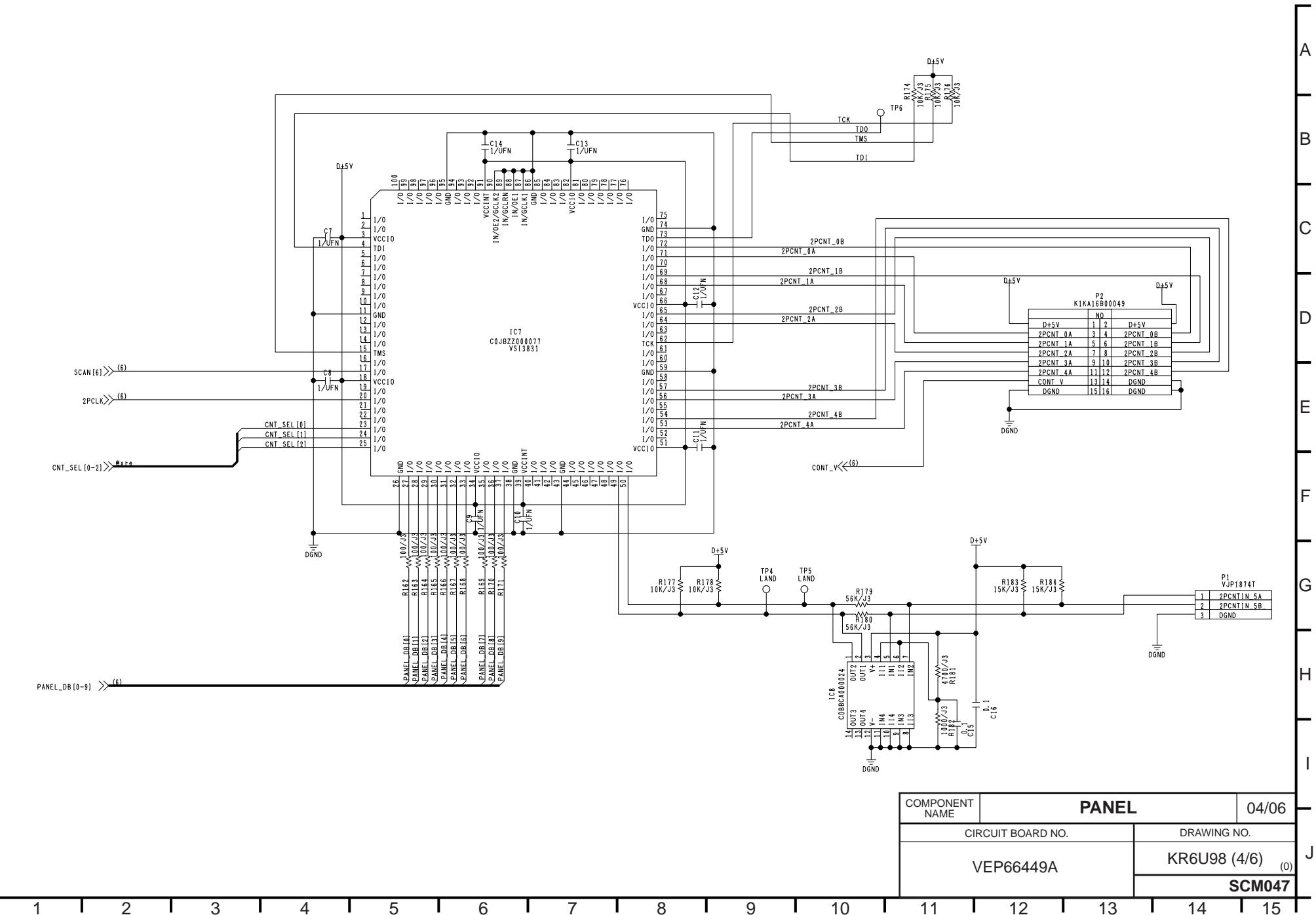


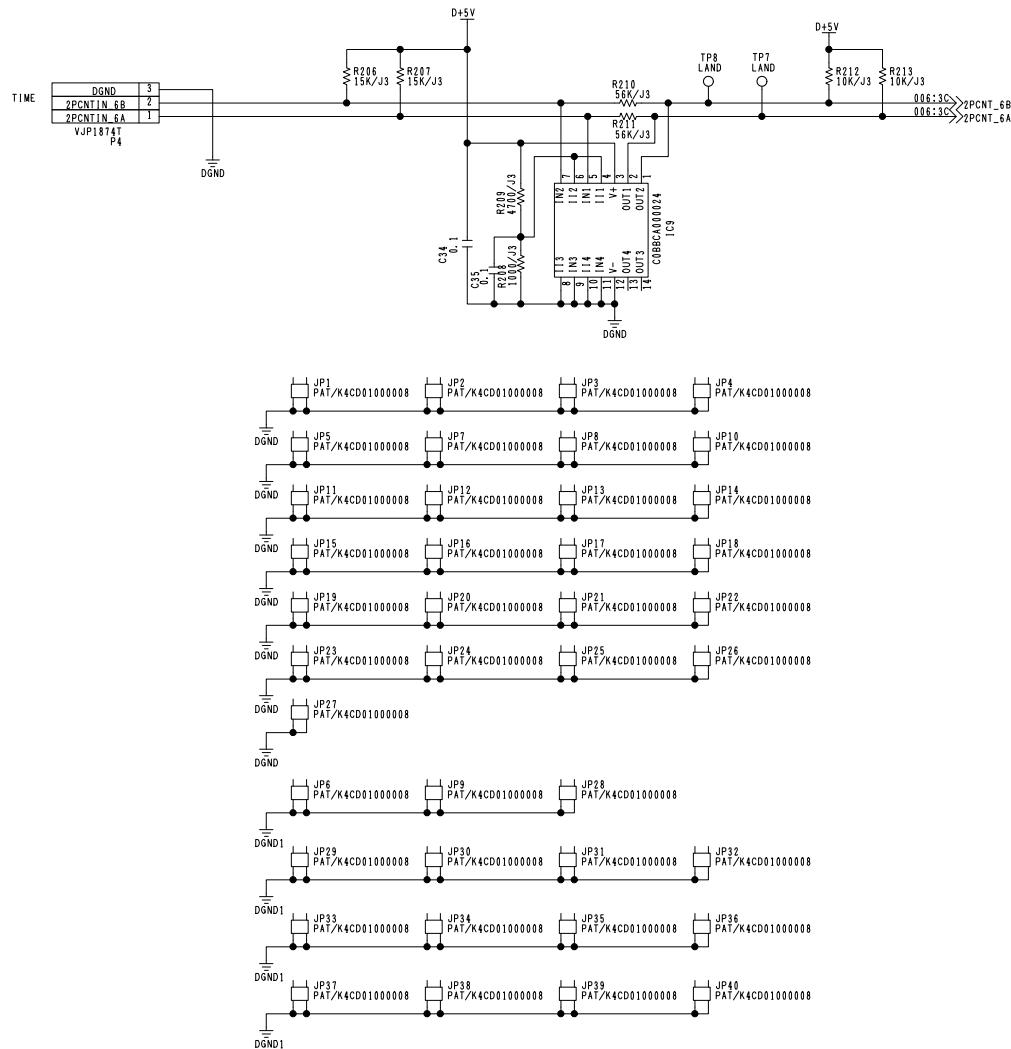
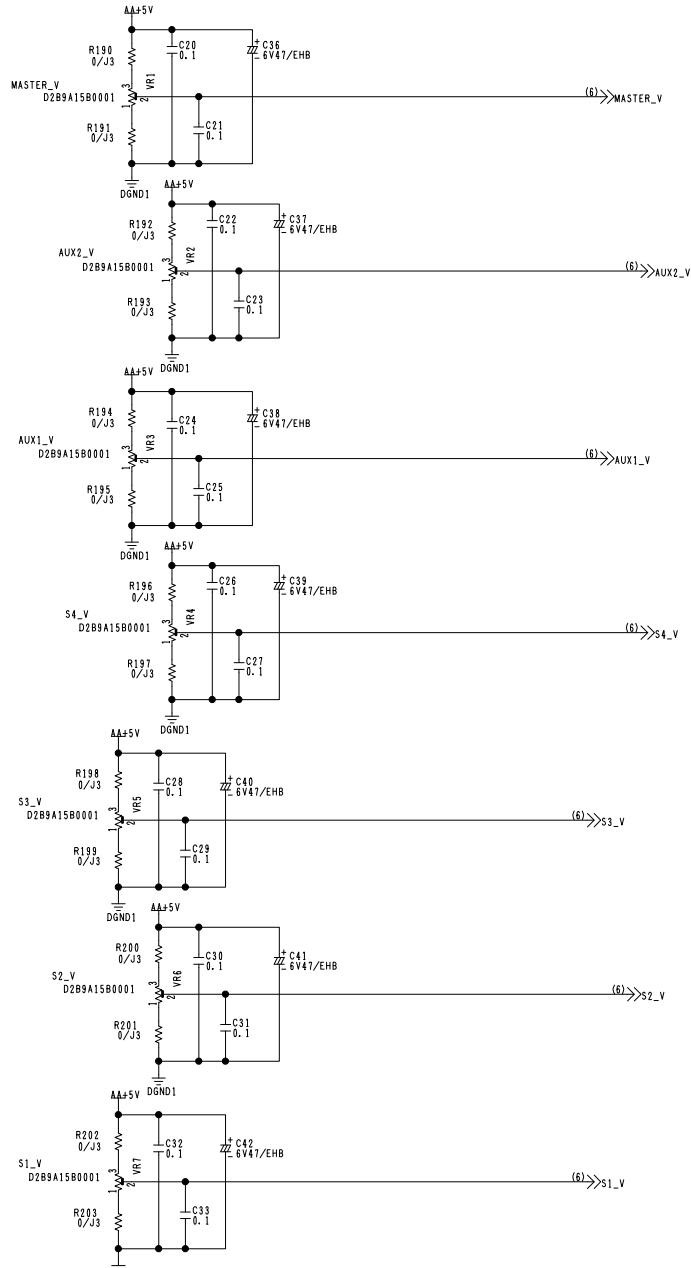




COMPONENT NAME	PANEL	03/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP66449A		KR6U98 (3/6) (0)
SCM046		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

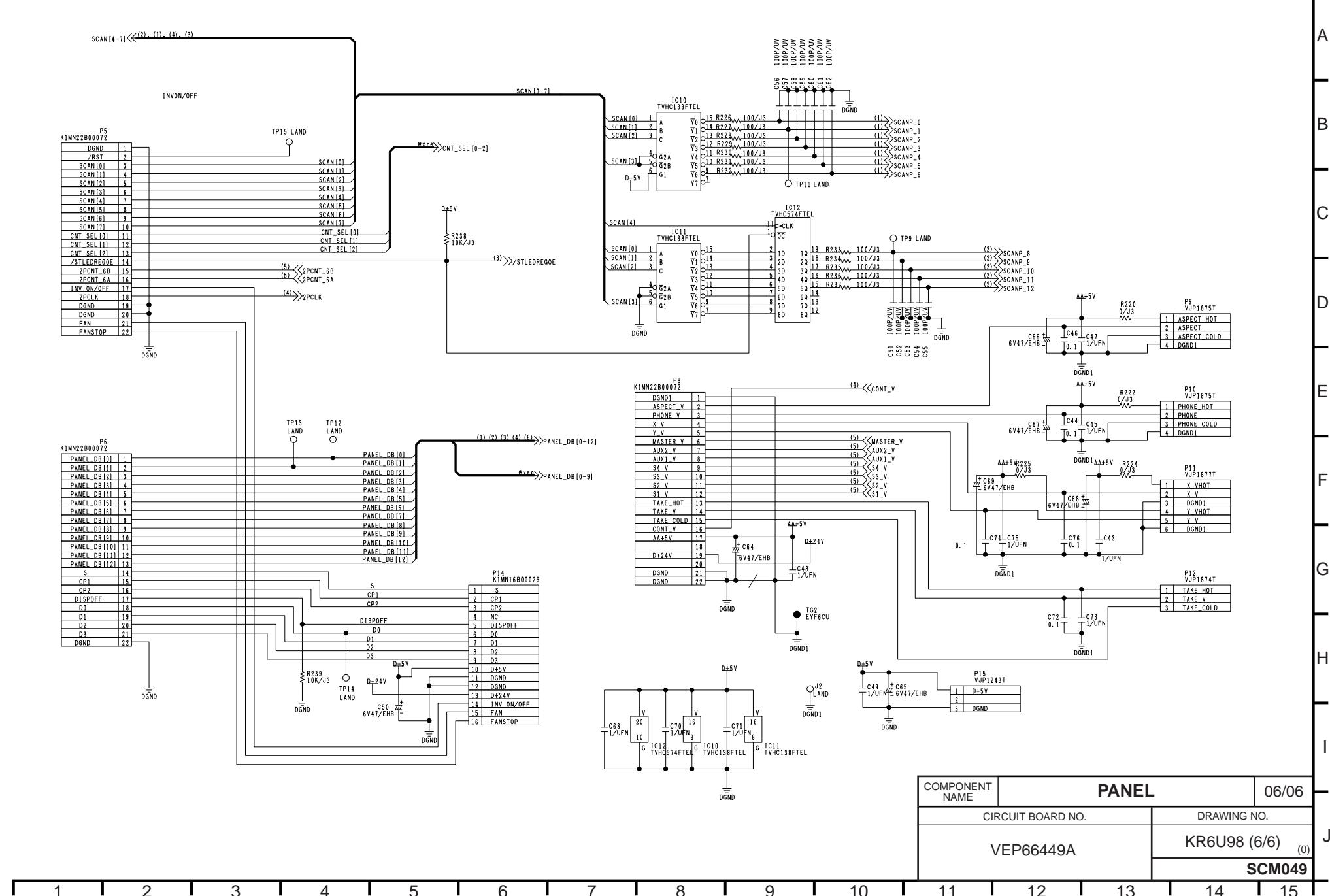


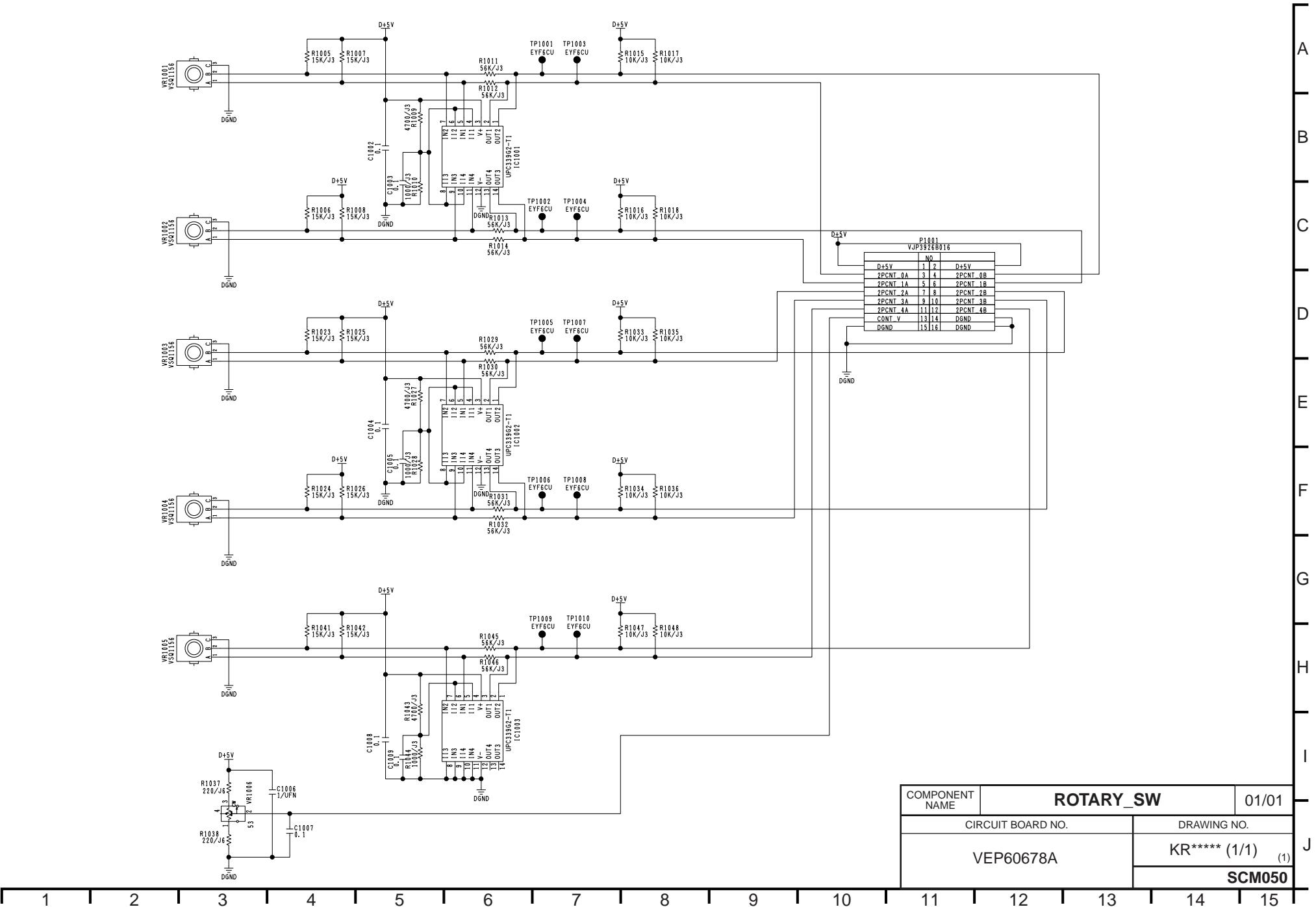


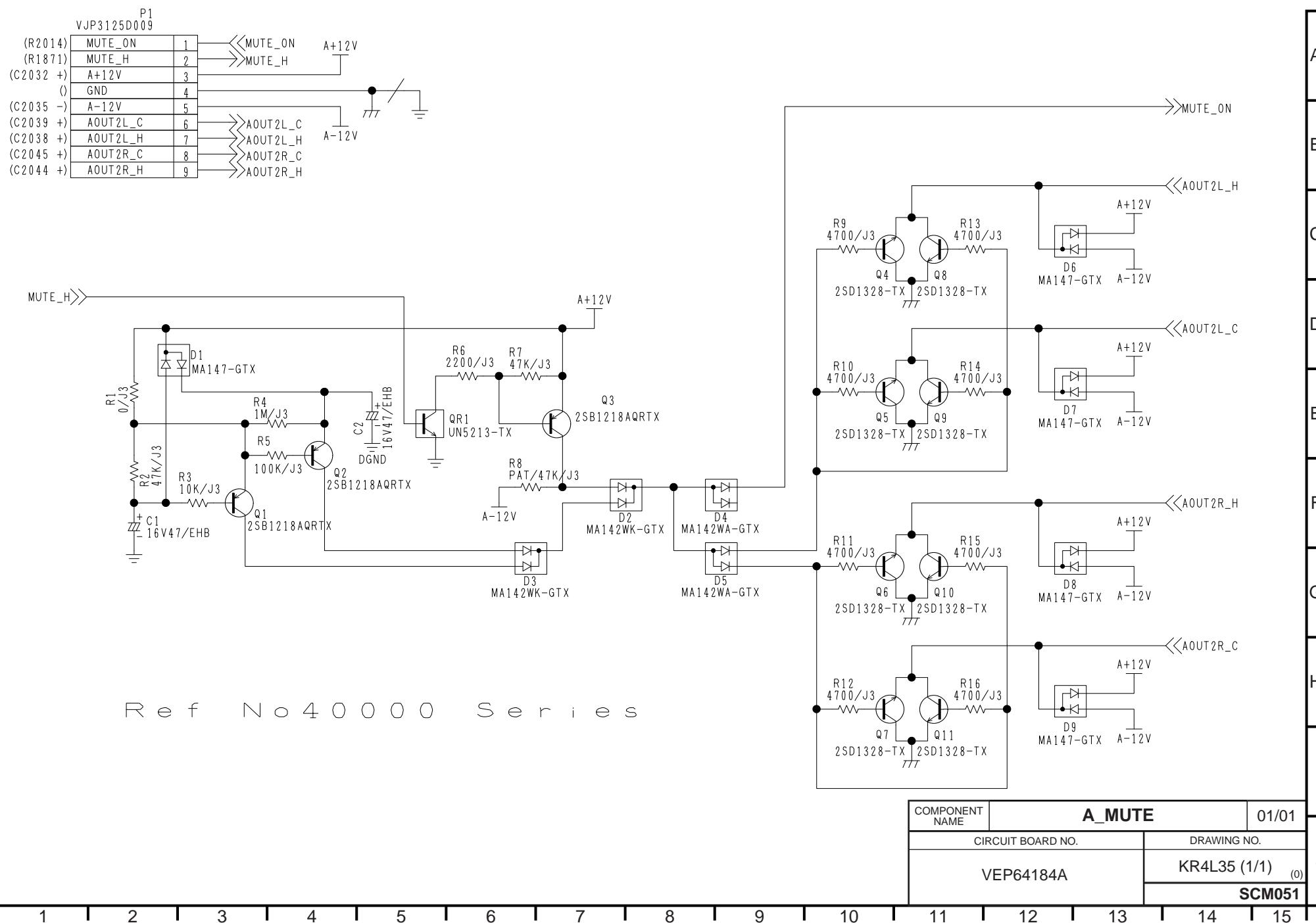
COMPONENT NAME	PANEL	05/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP66449A		KR6U98 (5/6)
(O)		SCM048

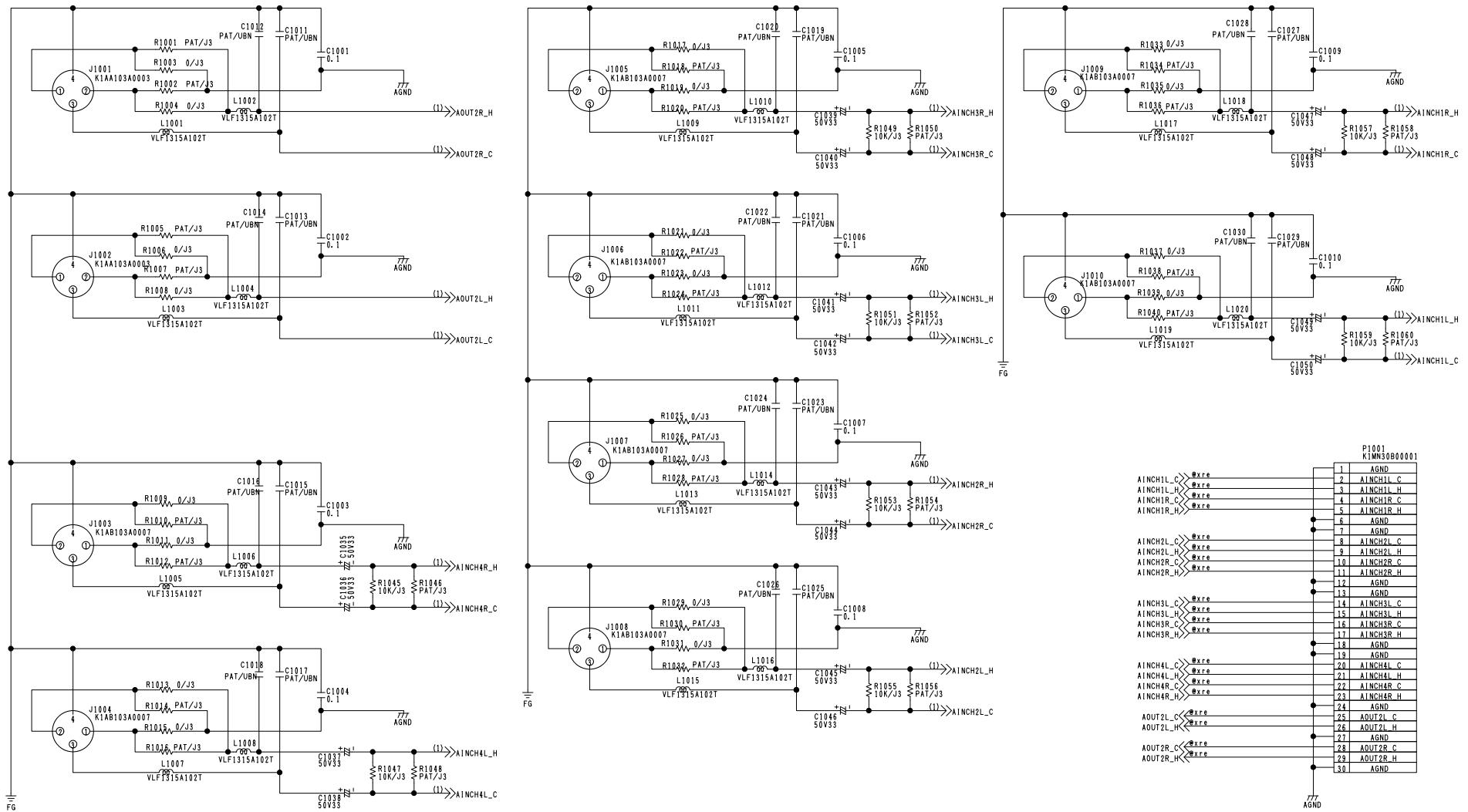
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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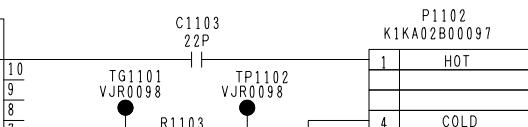
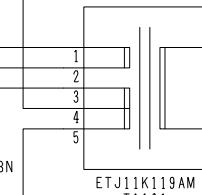
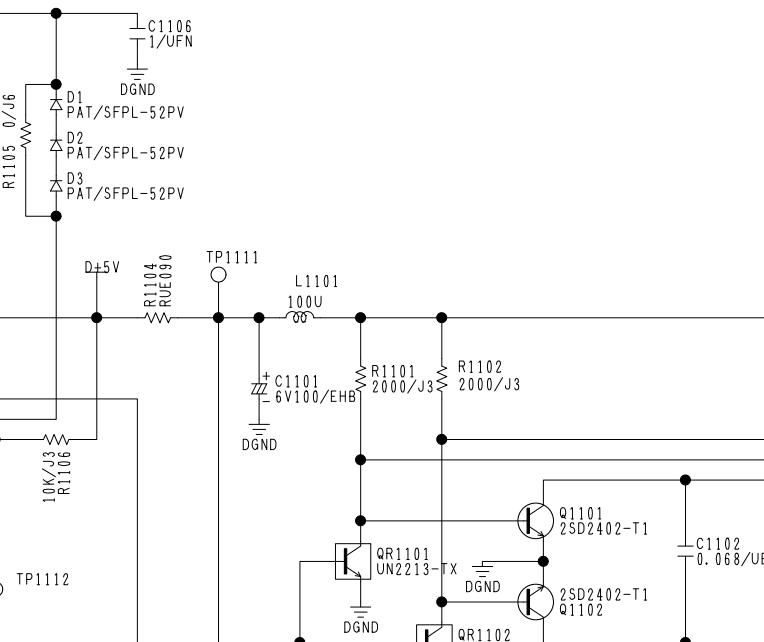
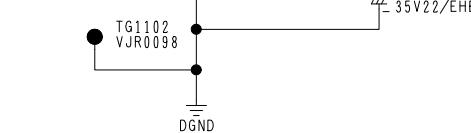
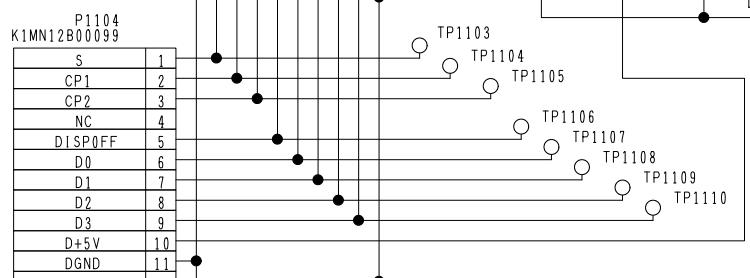
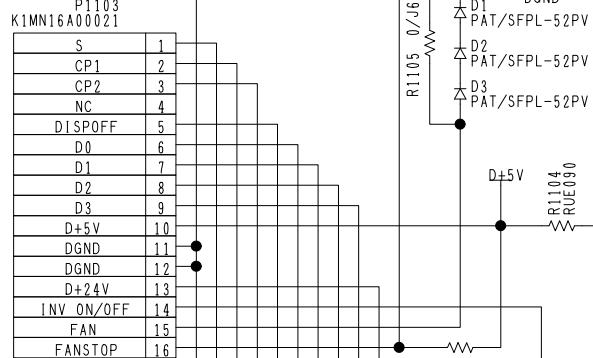
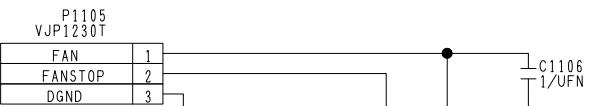




VEP60676B

COMPONENT NAME	AUDIO I/O (OVER SEA)	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60676B	KR0R58 (1/1) (O)	
SCM052		

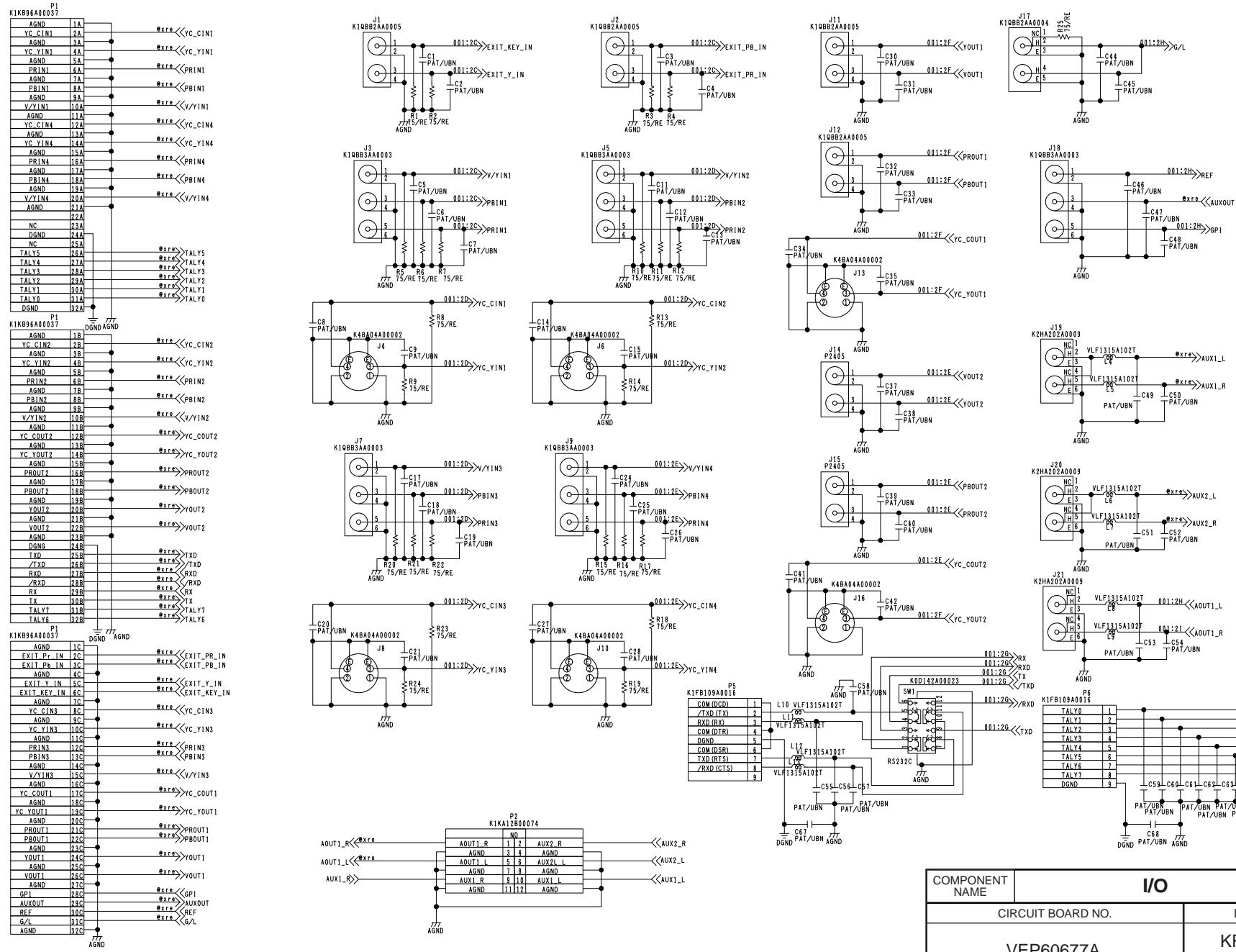
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



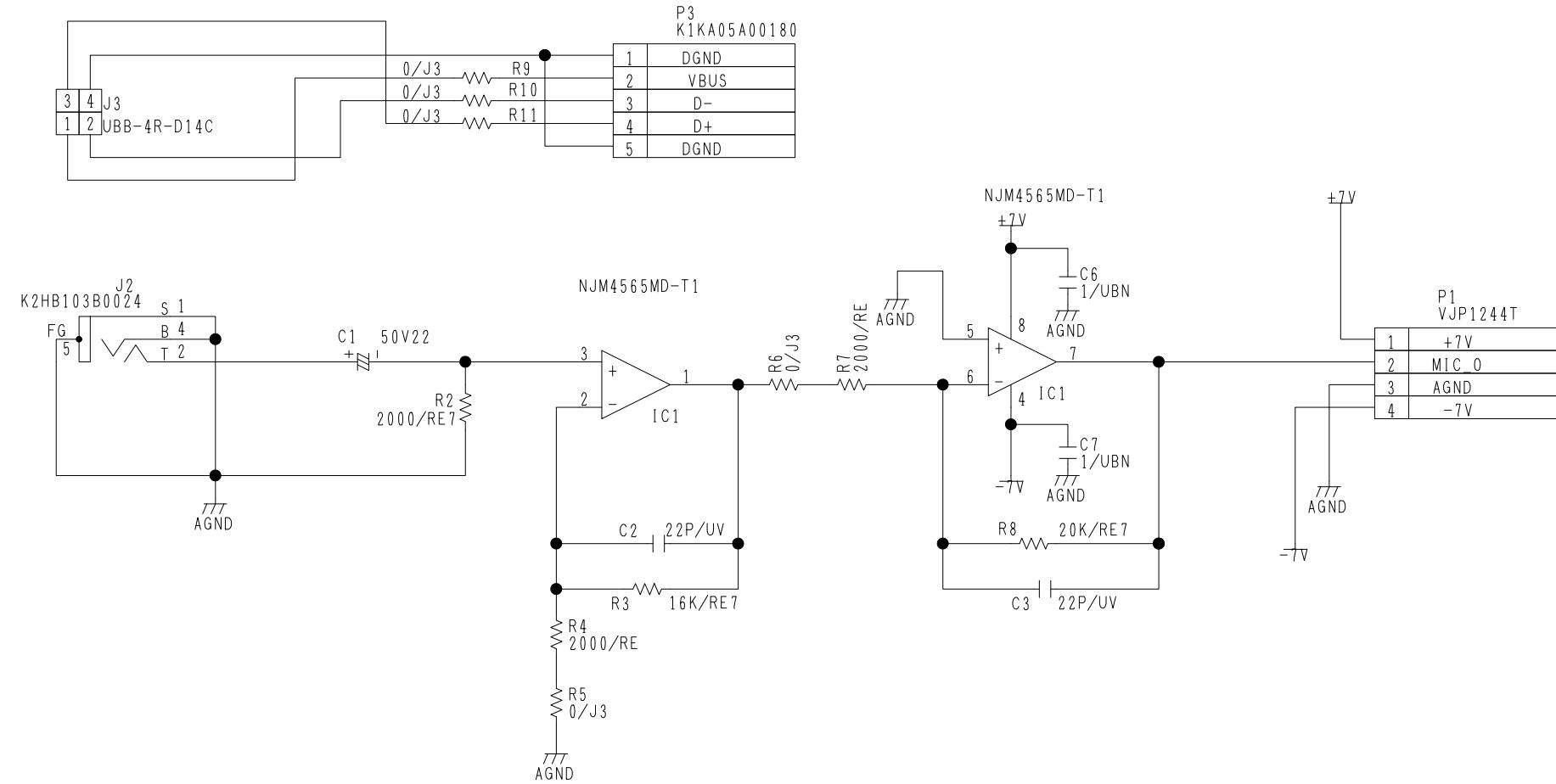
COMPONENT NAME	INV	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP60685A	KR0R65 (1/1) (0)	SCM053

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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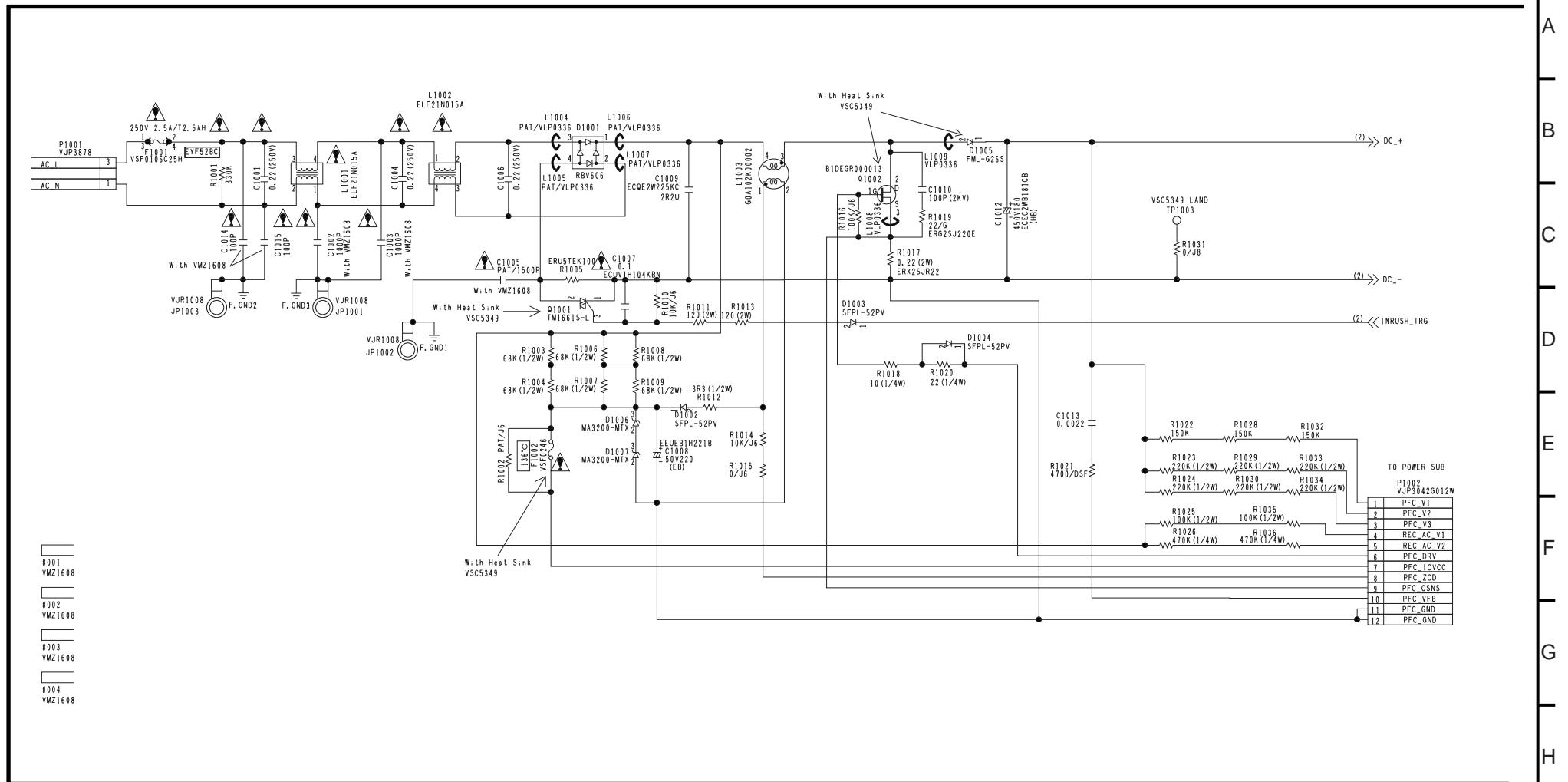
COMPONENT NAME	I/O	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60677A	KR0R59 (1/1) (0)	J
	SCM054	



COMPONENT NAME	USB PHONE	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP60733A	KR0S18 (1/1) (0)	SCM055

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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**CAUTION**

THE □ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.


**警告**

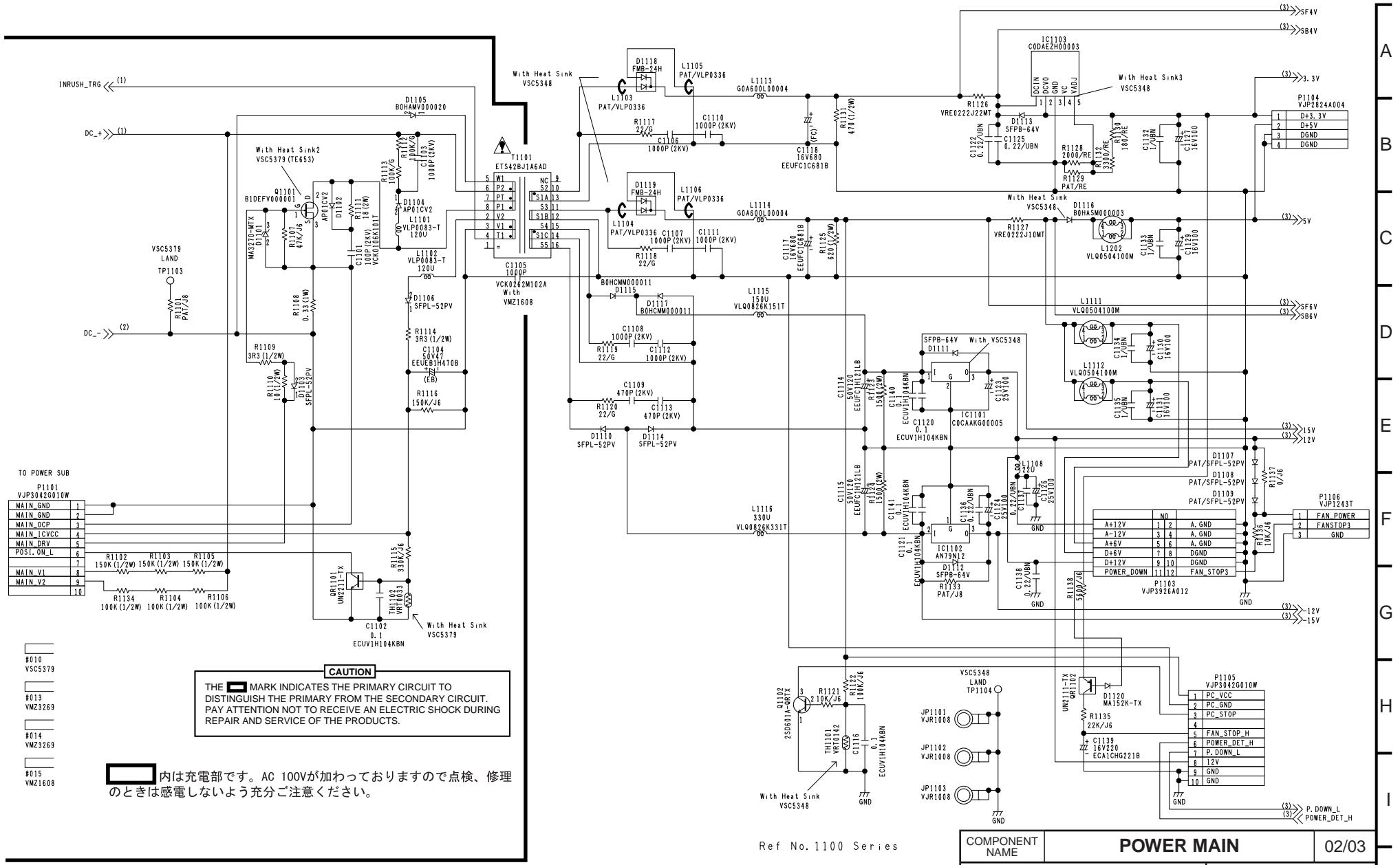
△印の部品は安全上重要な部品です。  
交換するときは、安全上および性能維持のため必ず指定の部品をご使用ください。

**IMPORTANT SAFETY NOTICE:**  
COMPONENTS IDENTIFIED WITH THE MARK △ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.  
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

□ 内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

Ref. No. 1000 Series

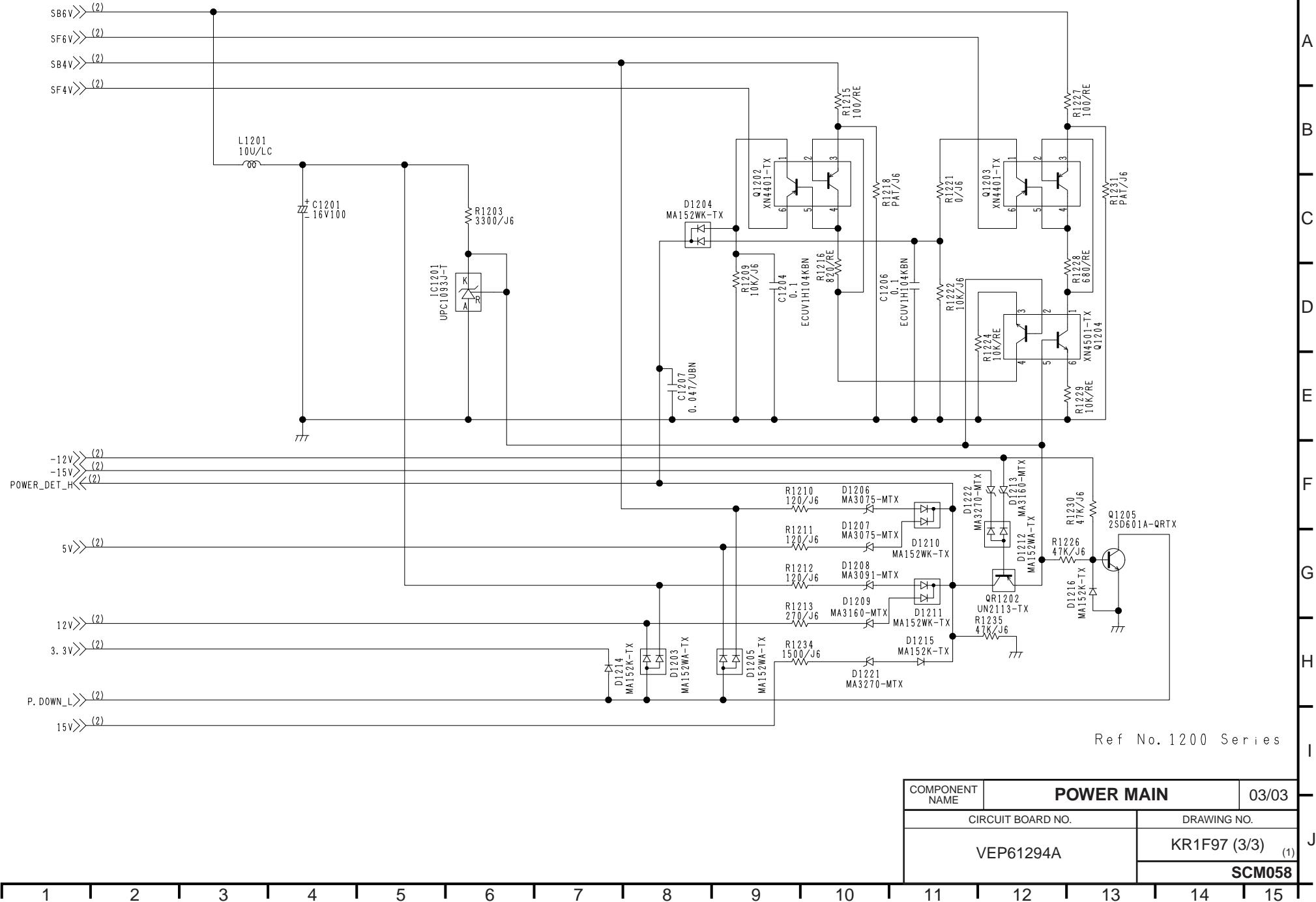
COMPONENT NAME	POWER MAIN		01/03
CIRCUIT BOARD NO.			DRAWING NO.
VEP61294A	KR1F97 (1/3)	(1)	SCM056

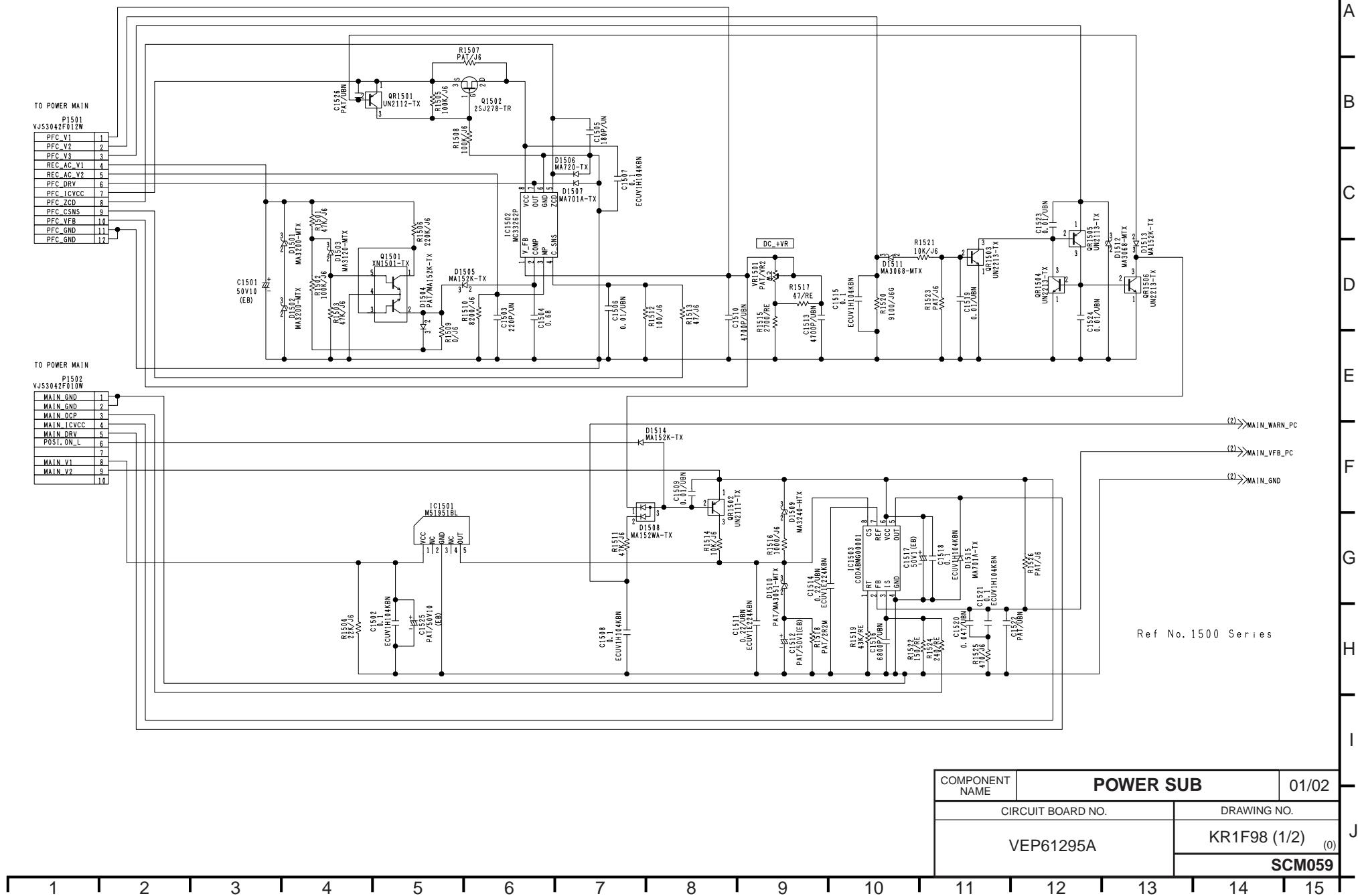


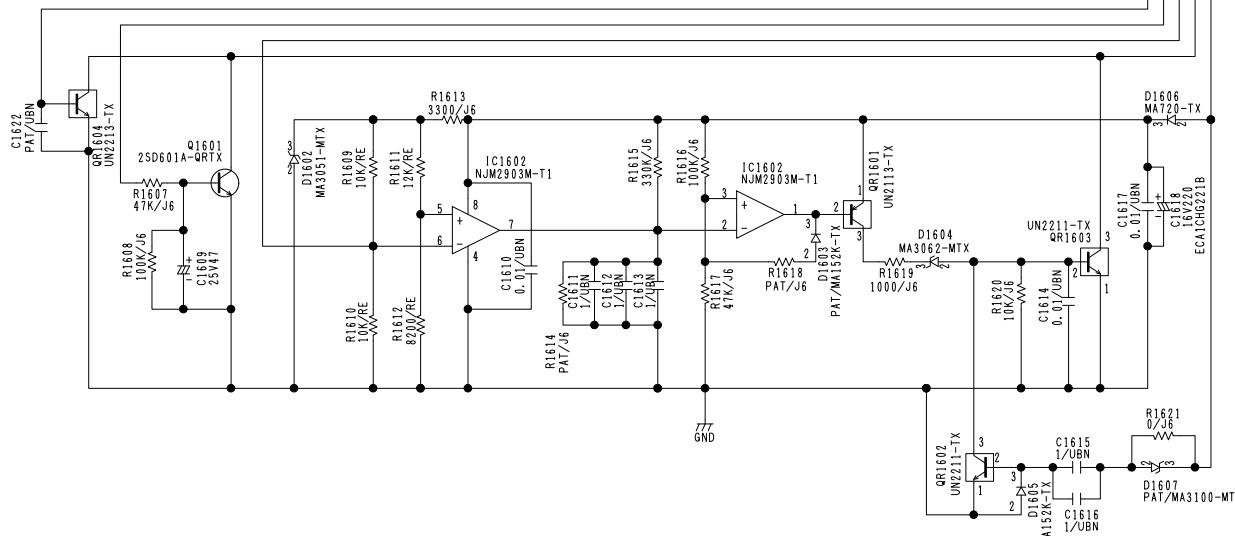
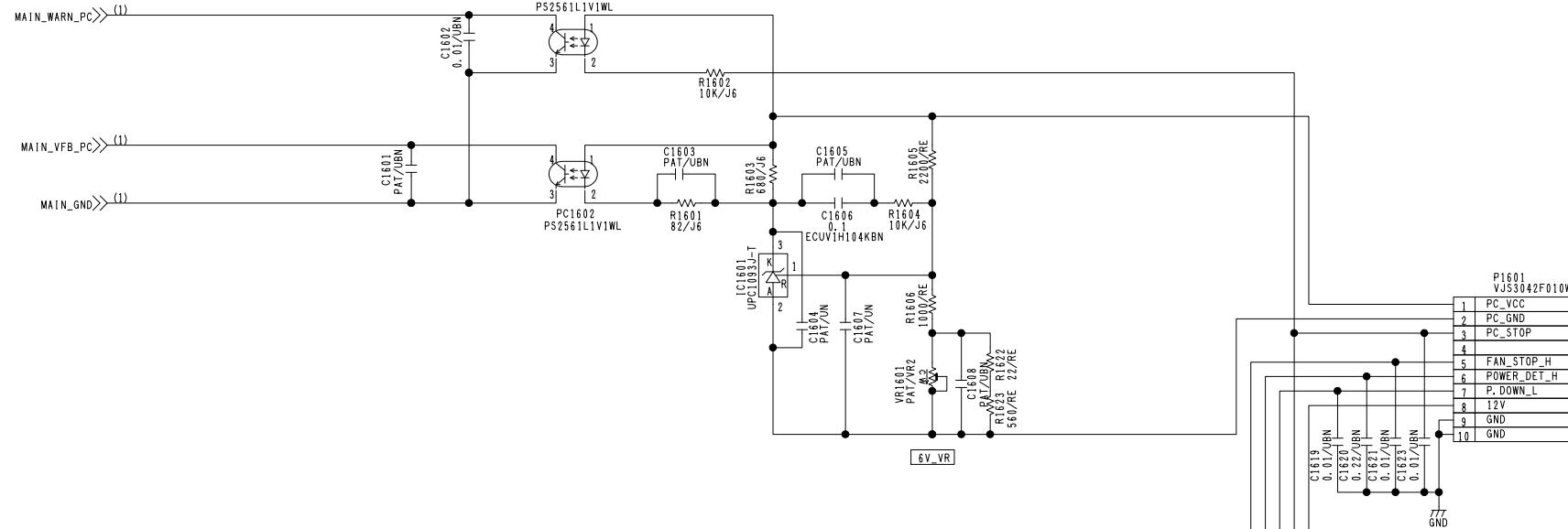
**IMPORTANT SAFETY NOTICE:**  
COMPONENTS IDENTIFIED WITH THE MARK HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.  
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.



印の部品は安全上重要な部品です。  
交換するときは、安全上および性能維持のため必ず指定の部品をご使用ください。





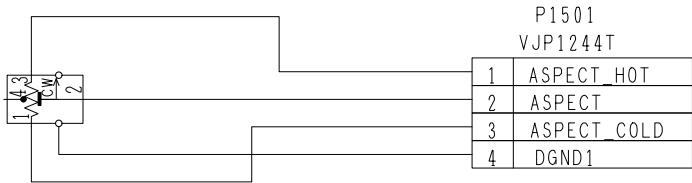


Ref. No. 1600 Series

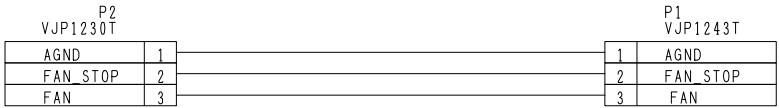
COMPONENT NAME	POWER SUB		02/02
CIRCUIT BOARD NO.	DRAWING NO.		
VEP61295A	KR1F98 (2/2) (0)		SCM060

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

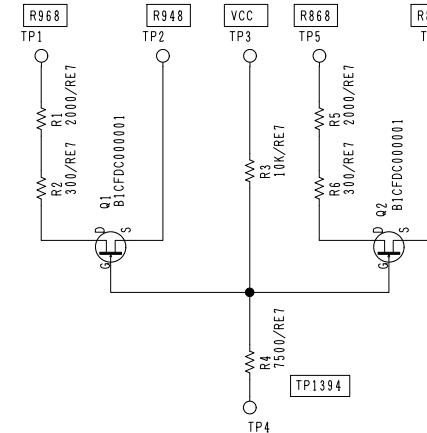
VR1501  
VRV0312



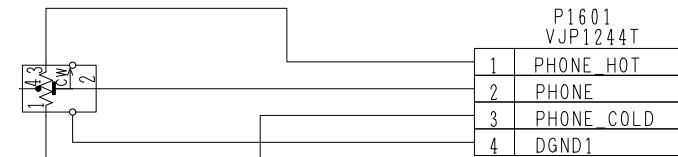
COMPONENT NAME	ASPECT_V	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60684A	KR0R64 (1/1) (0)	
SCM061		



COMPONENT NAME	FAN IF	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60686A	KR0R66 (1/1) (0)	
SCM061		



COMPONENT NAME	GAIN-SW BOARD	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83612A	KR30473 (1/1) (0)	
SCM061		

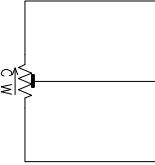


COMPONENT NAME	PHONE_V	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60683A	KR0R63 (1/1) (0)	
SCM061		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

D2BCB15B0004

VR1701



1	TAKE_HOT
2	TAKE
3	TAKE_COLD

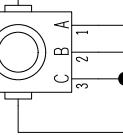
VJP1243T  
P1701

COMPONENT NAME	TAKE_V	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60679A	KR0R60 (1/1) (0)	
SCM062		

TIME

VR1401

VSQ1156



P1401  
VJP1243T

1	2PCNTIN_6A
2	2PCNTIN_6B
3	DGND

COMPONENT NAME	TIME_ENC	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60681A	KR***** (1/1) (1)	
SCM062		

1

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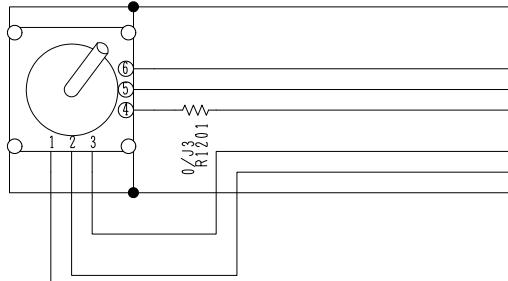
12

13

14

15

VR1201  
D2FDZ1500001

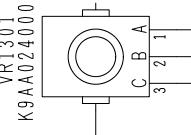


1	X VHOT
2	X Y
3	DGND1
4	Y VHOT
5	Y Y
6	DGND1

VJP1246T  
P1201

COMPONENT NAME	COLOR_V	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60680A	KR0R61 (1/1) (0)	
SCM062		

Z VR1301  
K9AA02400001



P1301  
VJP1243T

1	2PCNTIN_5A
2	2PCNTIN_5B
3	DGND

COMPONENT NAME	Z_ENC	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60682A	KR***** (1/1) (1)	
SCM062		

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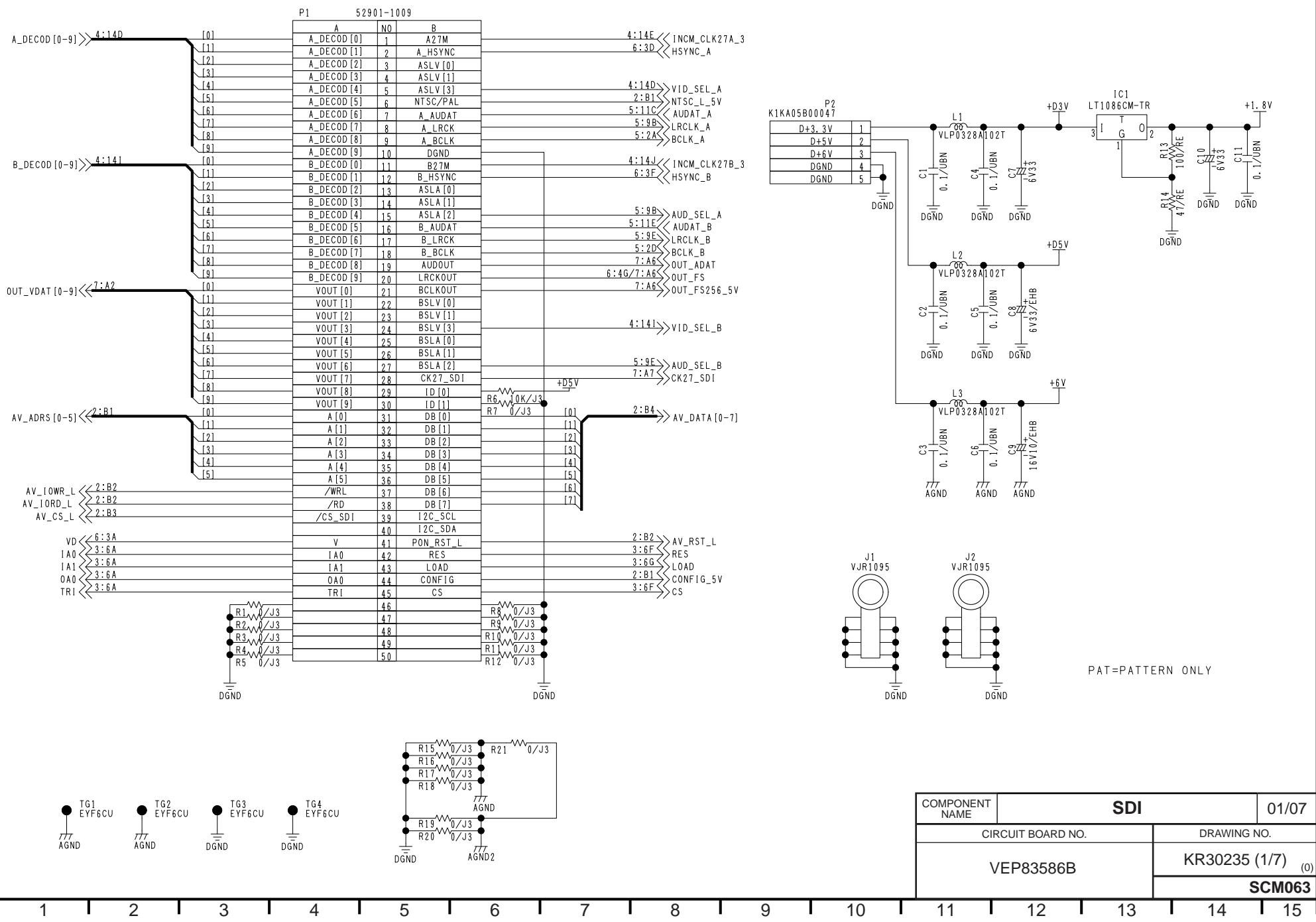
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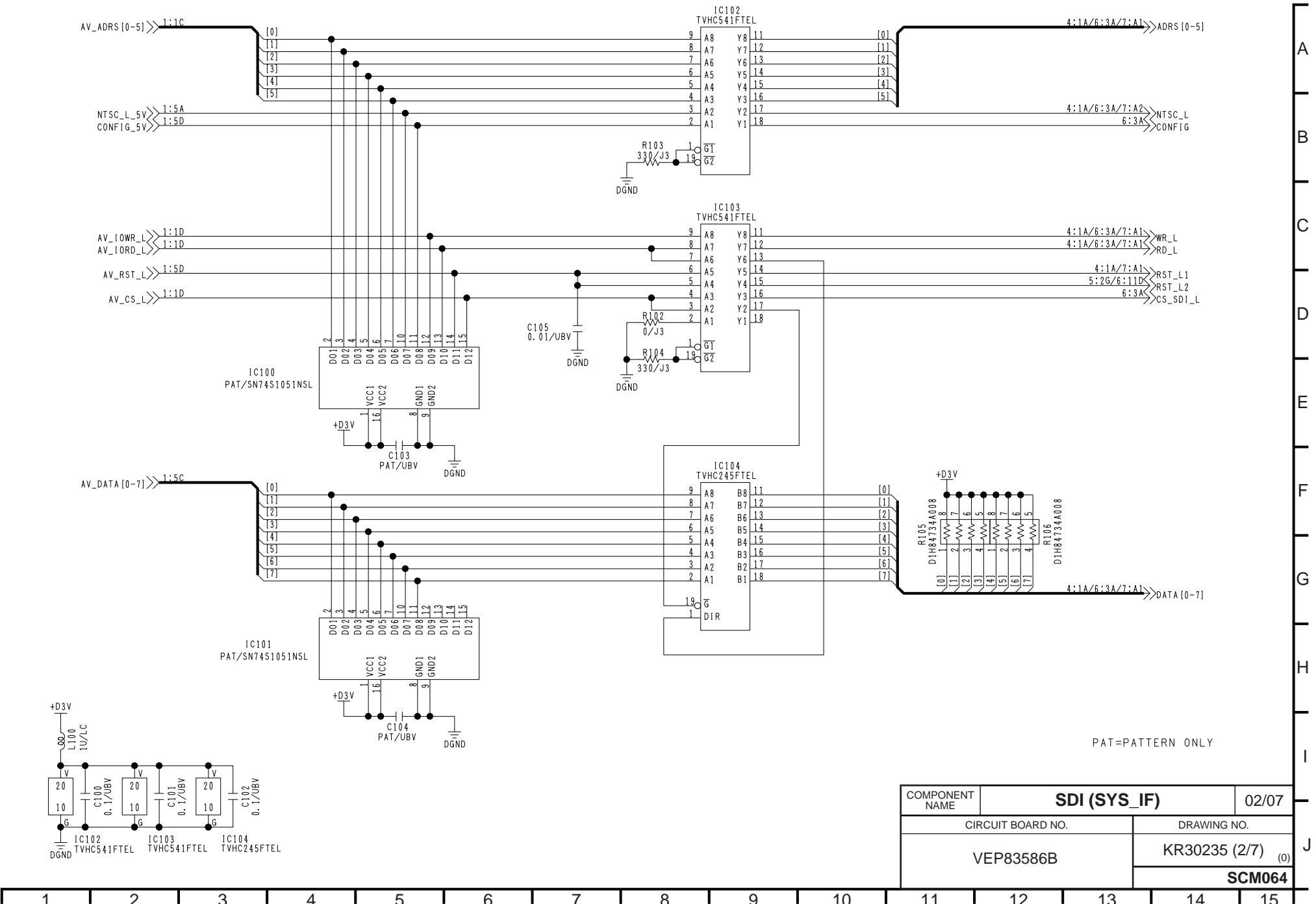
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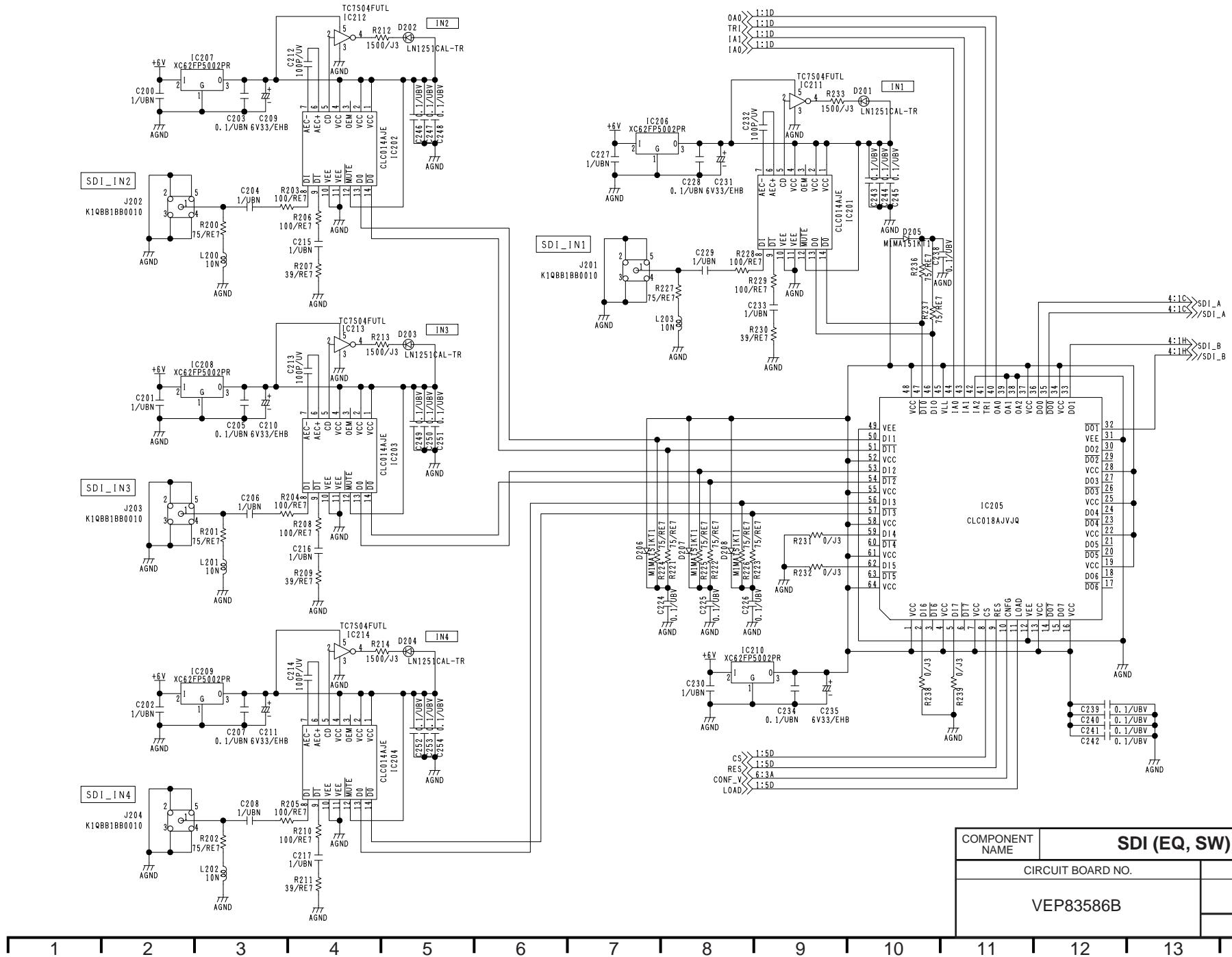
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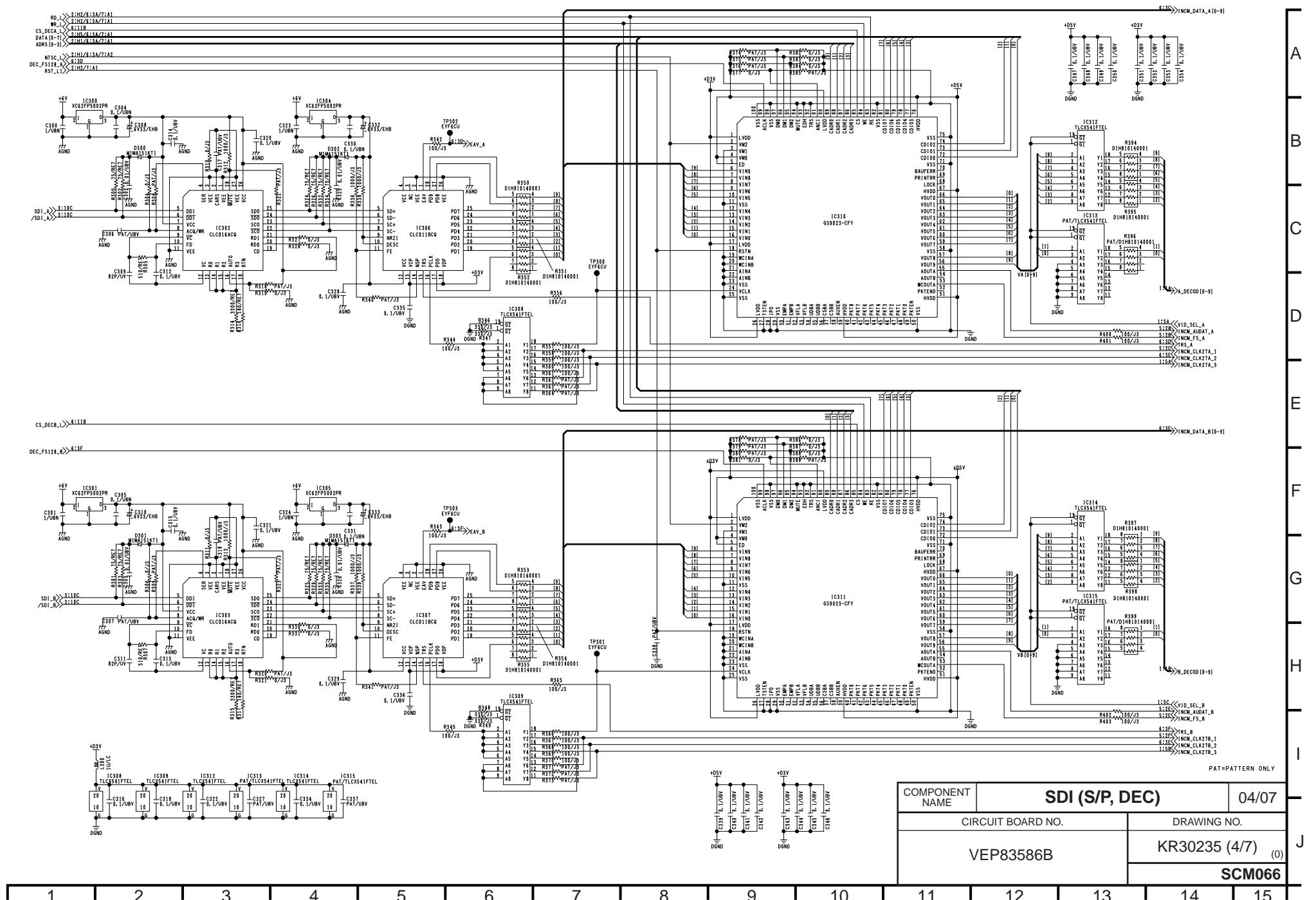
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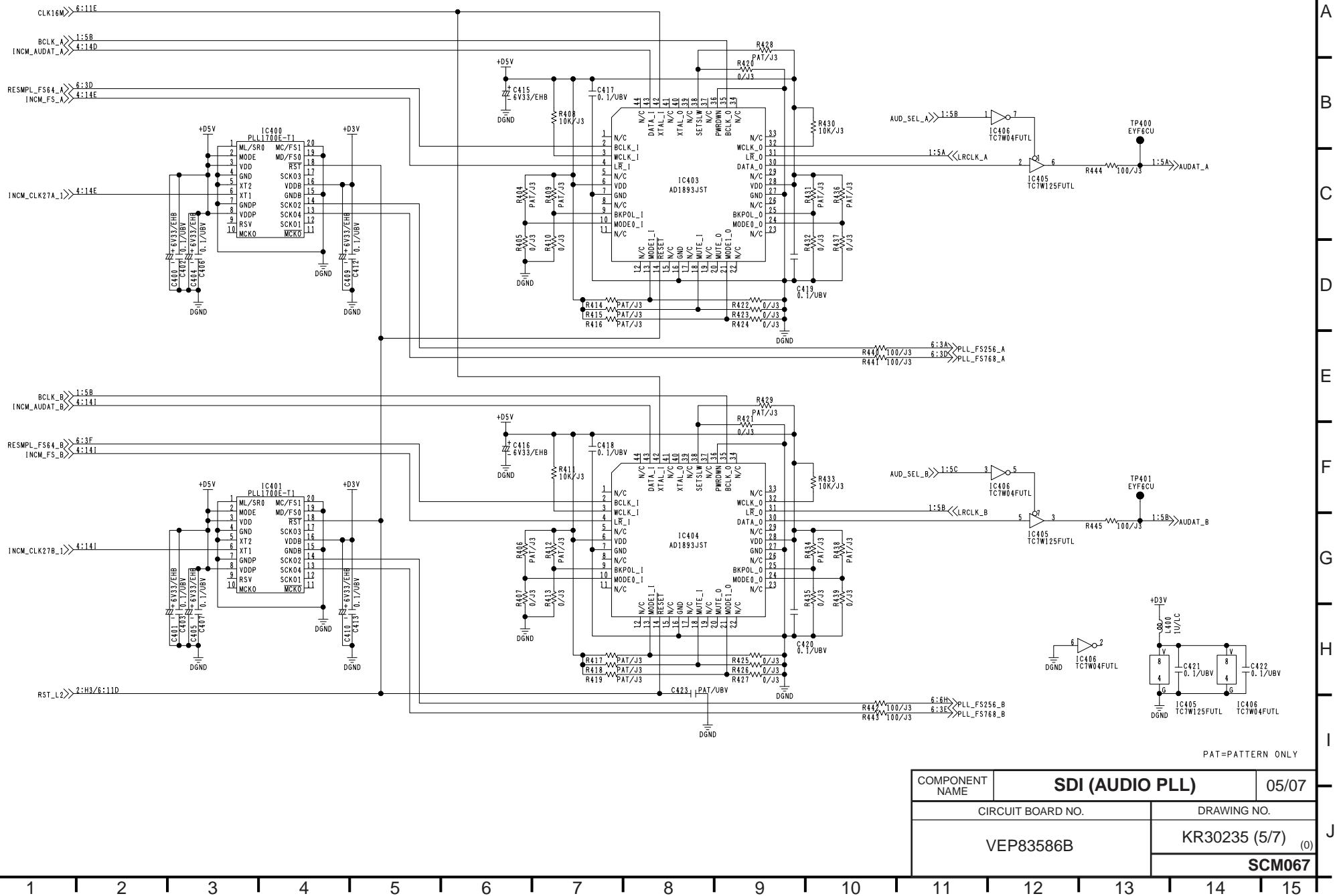
J

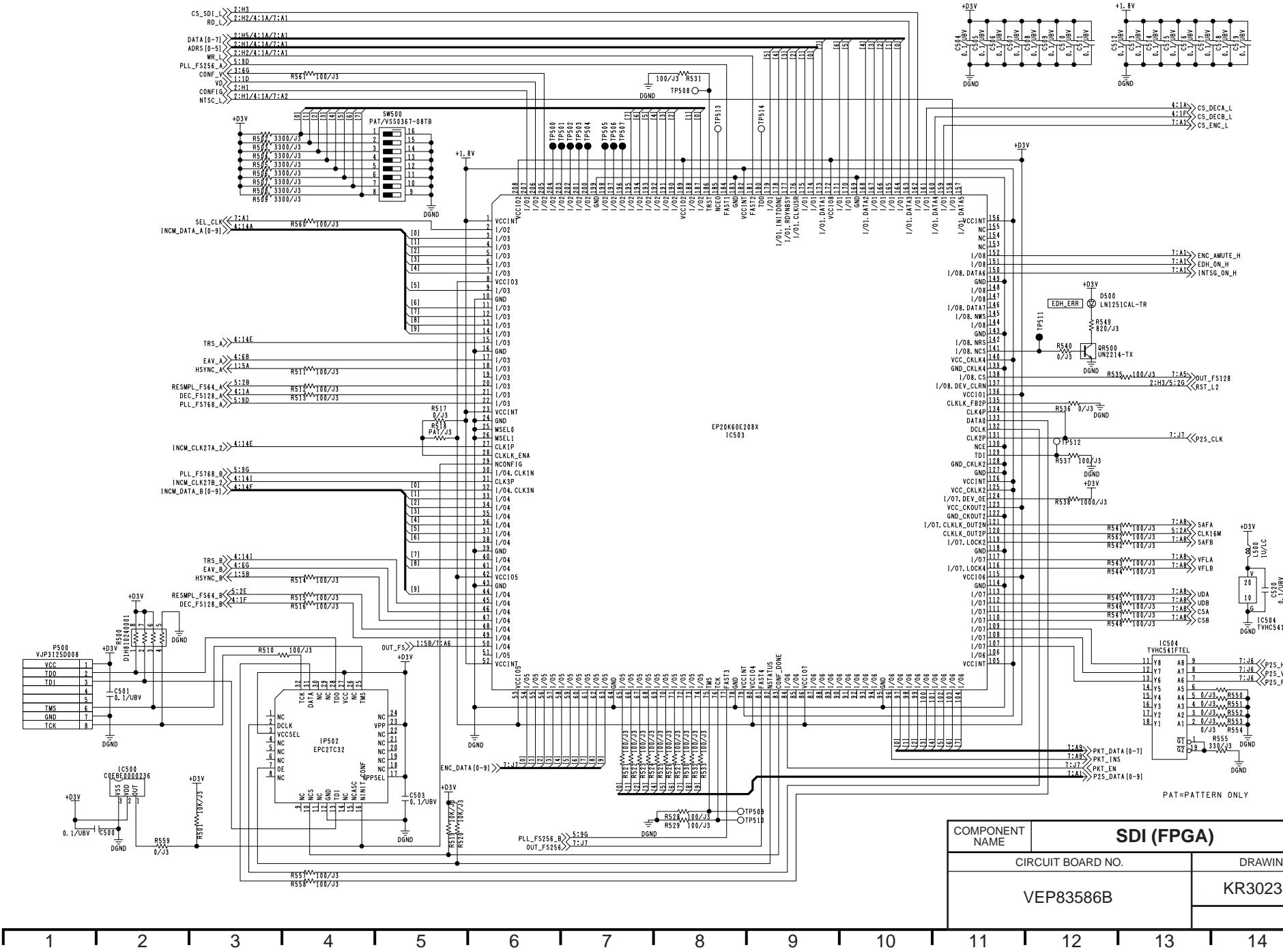


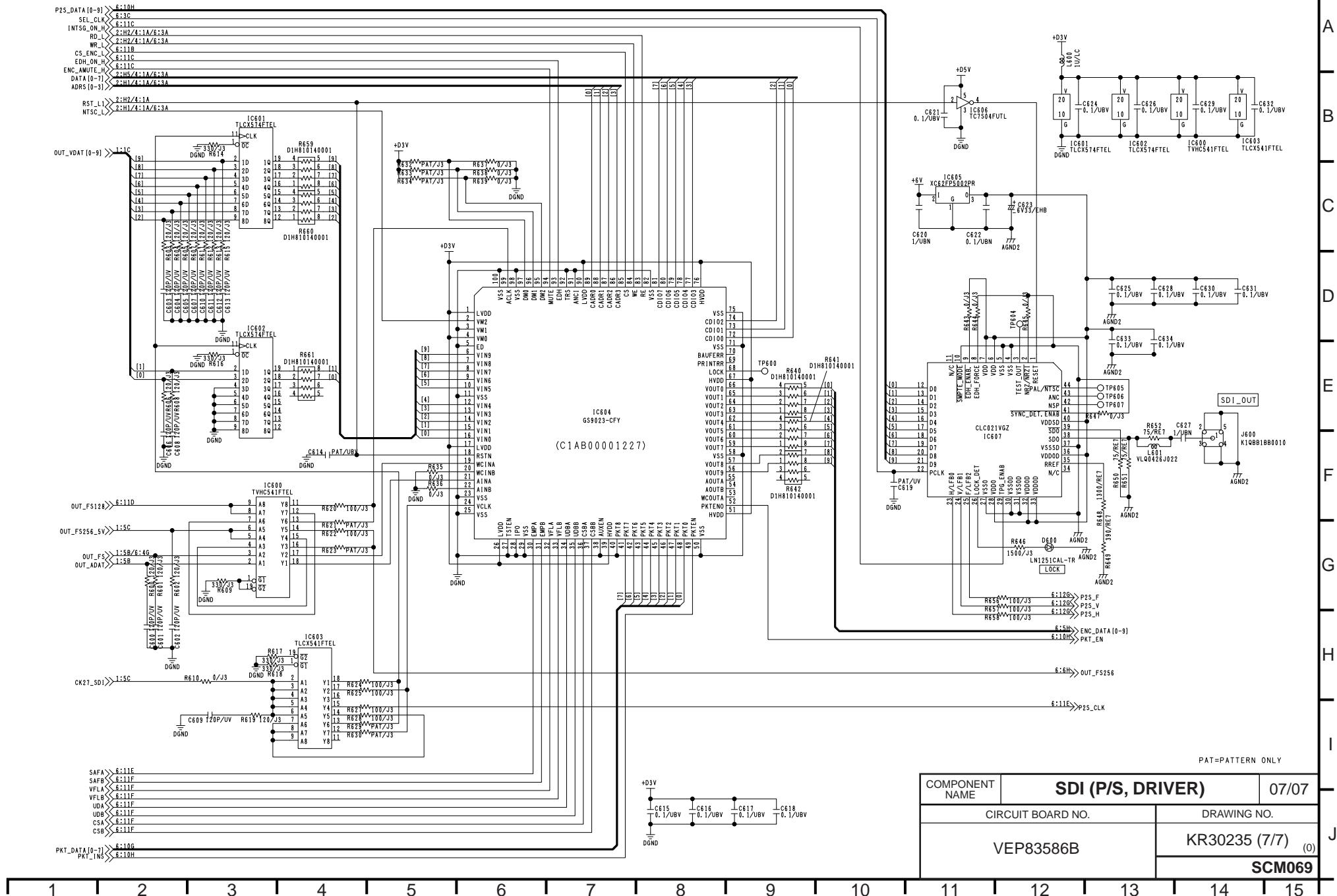


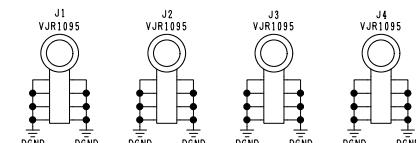
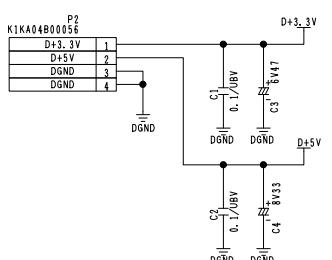
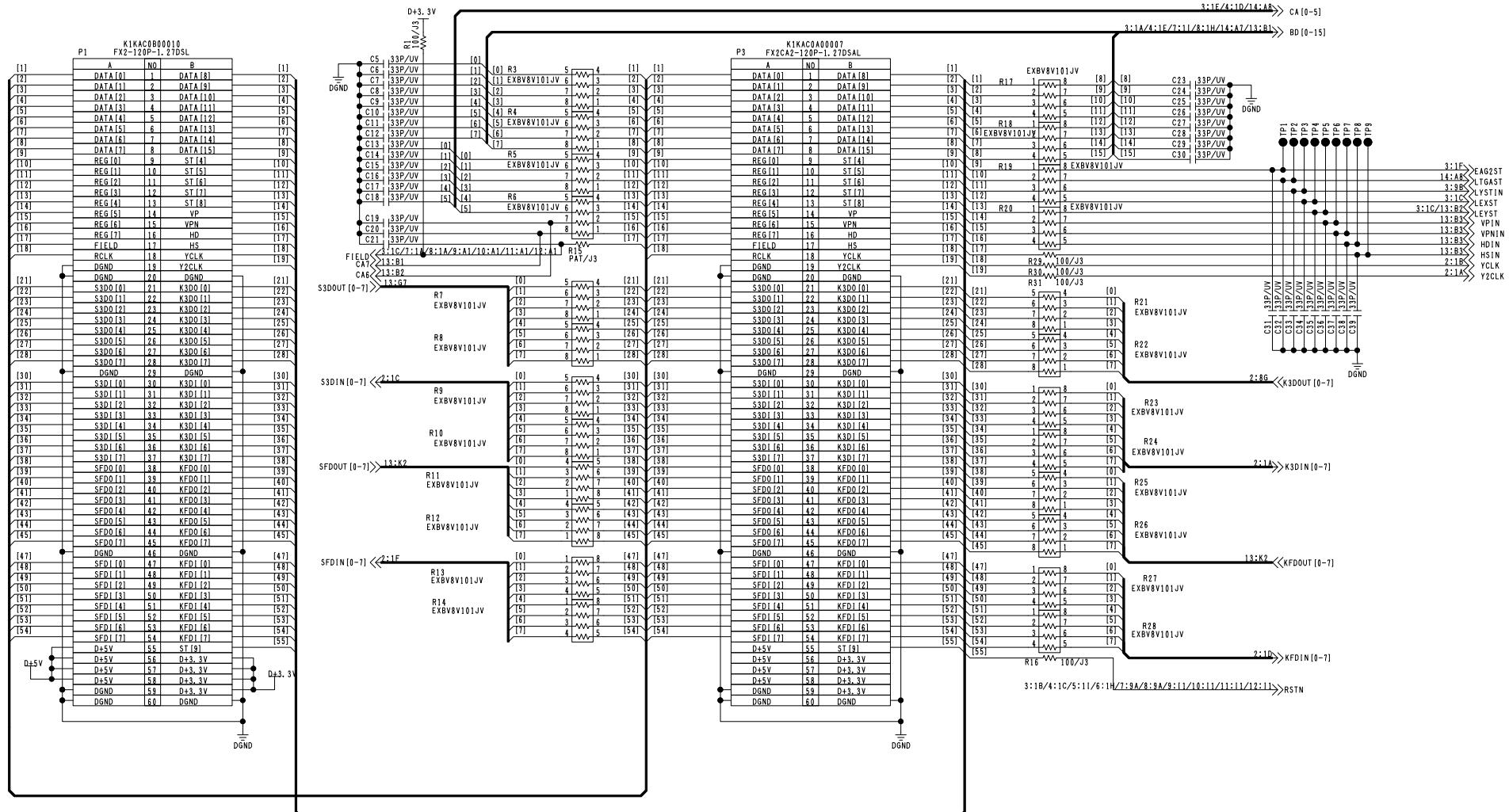




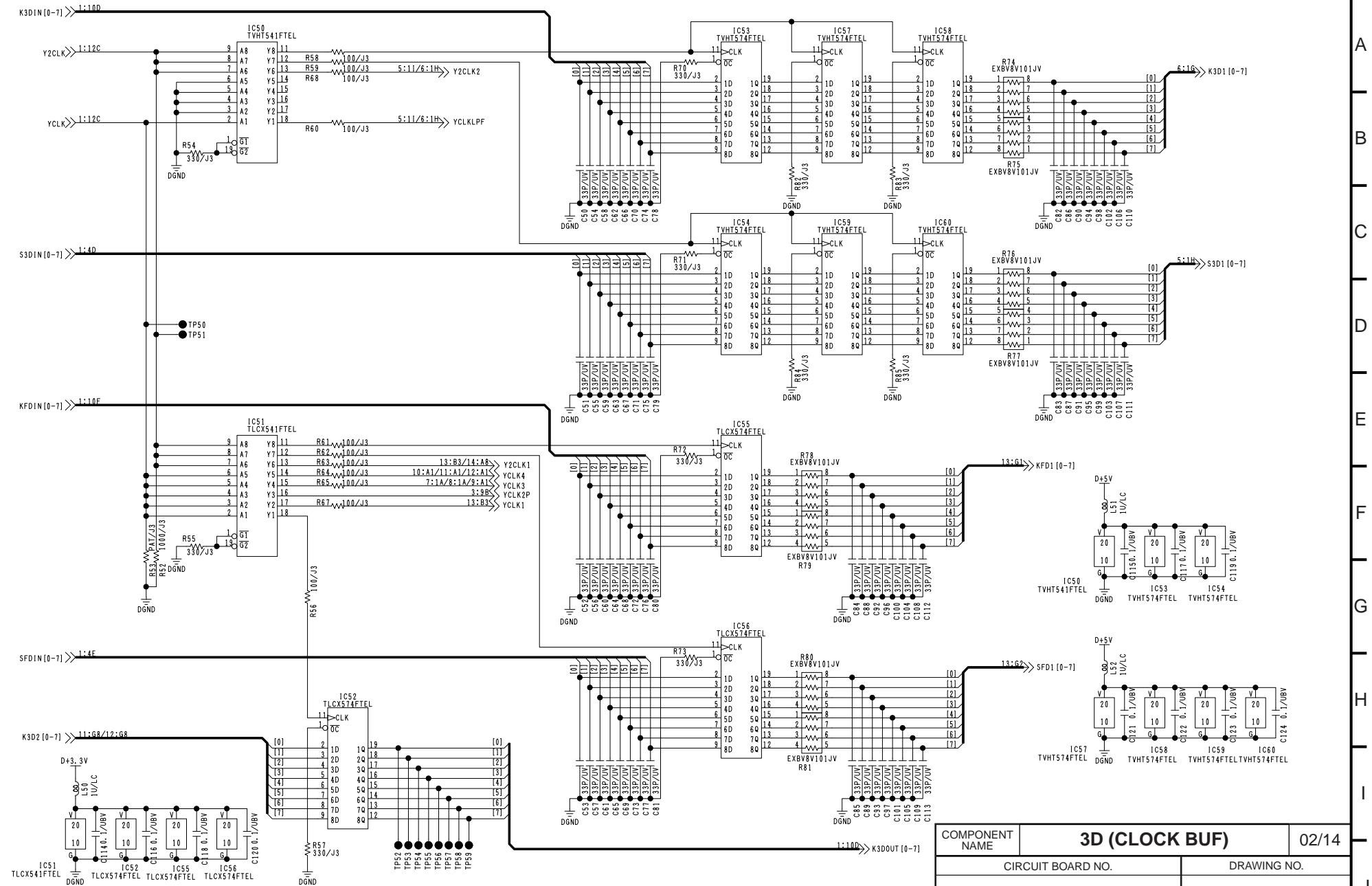




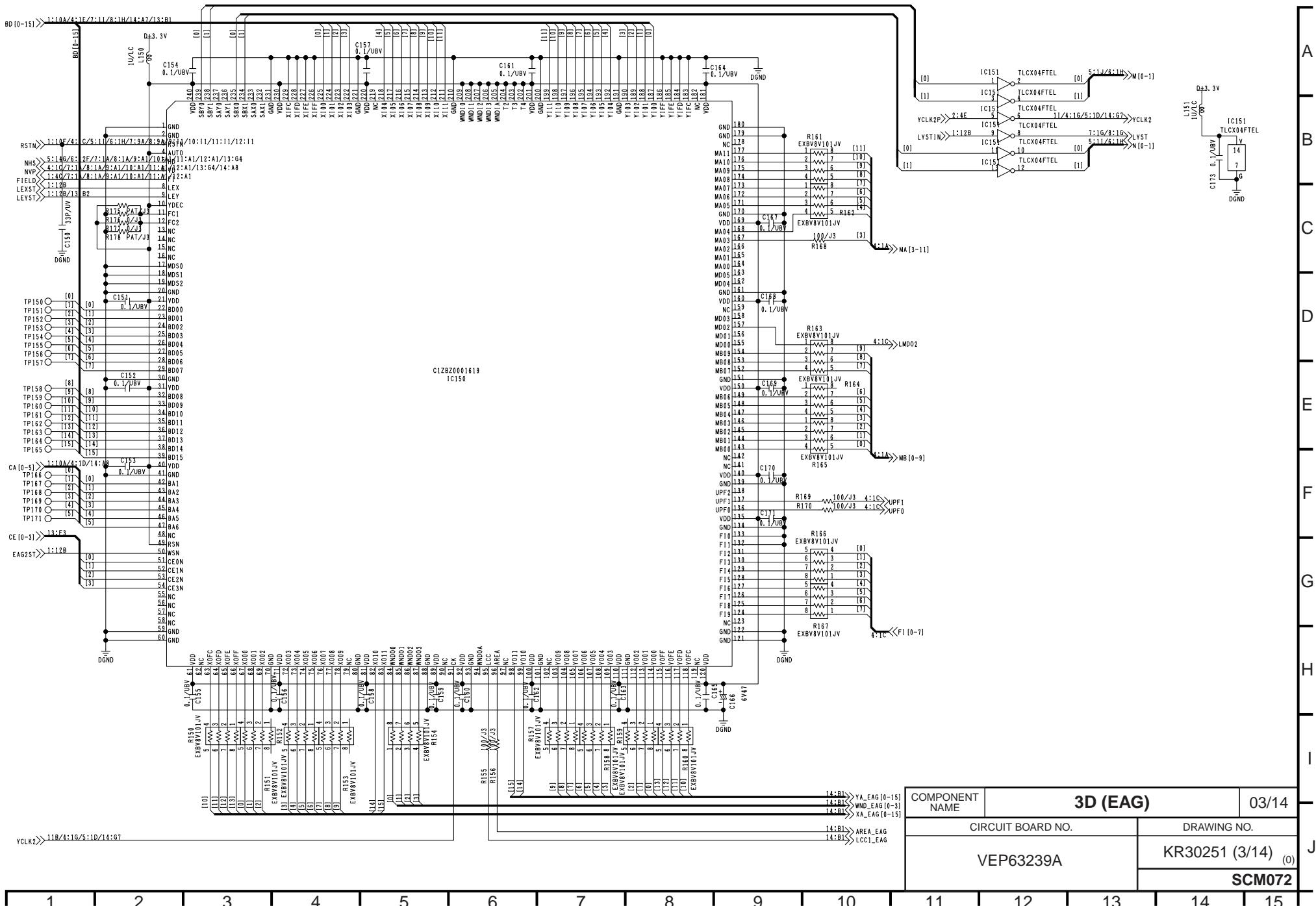


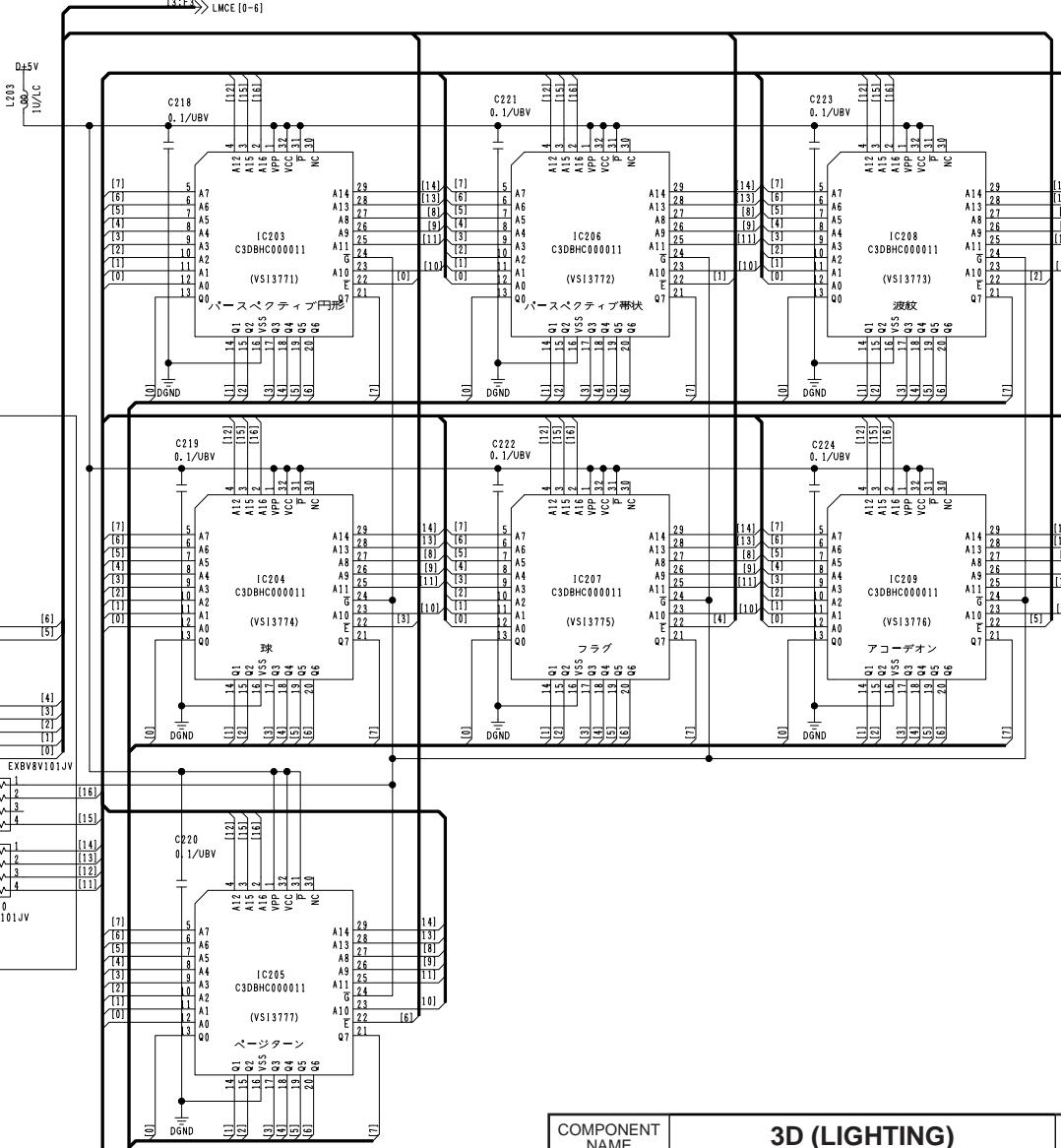
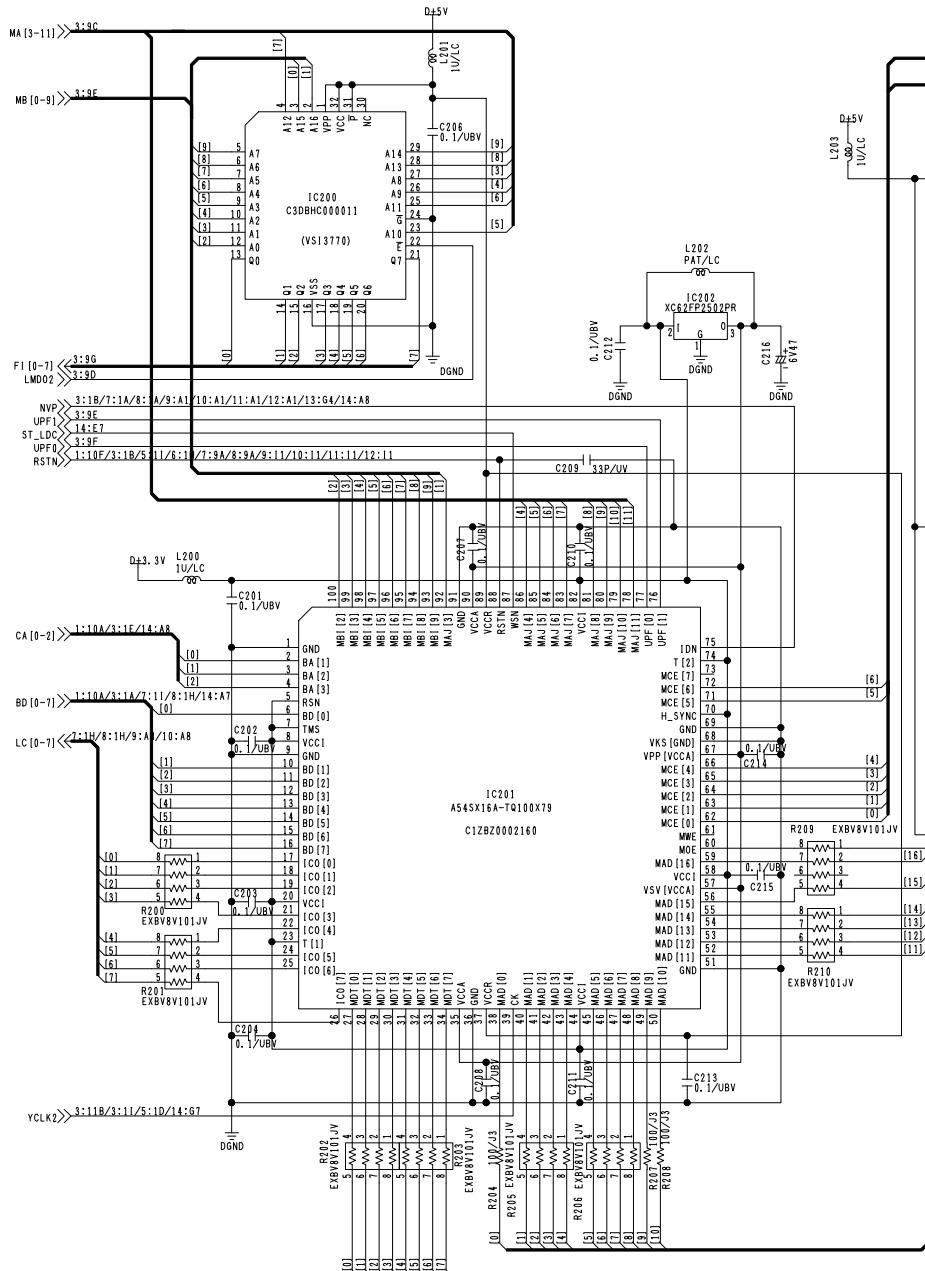


COMPONENT NAME	3D	01/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (1/14) (0)	J
	SCM070	

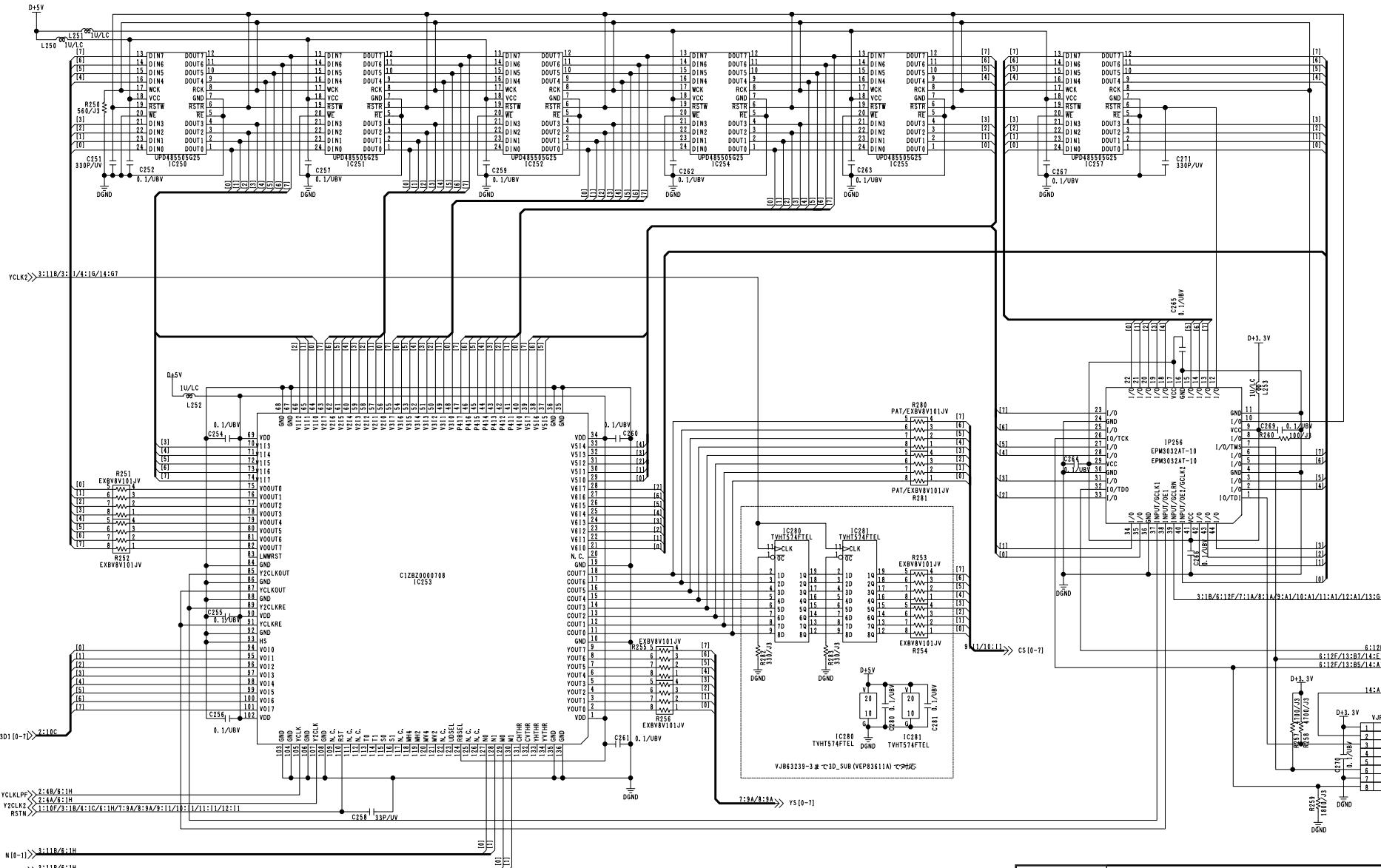


COMPONENT NAME	3D (CLOCK BUF)	02/14
CIRCUIT BOARD NO.	DRAWING NO.	J
VEP63239A	KR30251 (2/14) (o)	SCM071

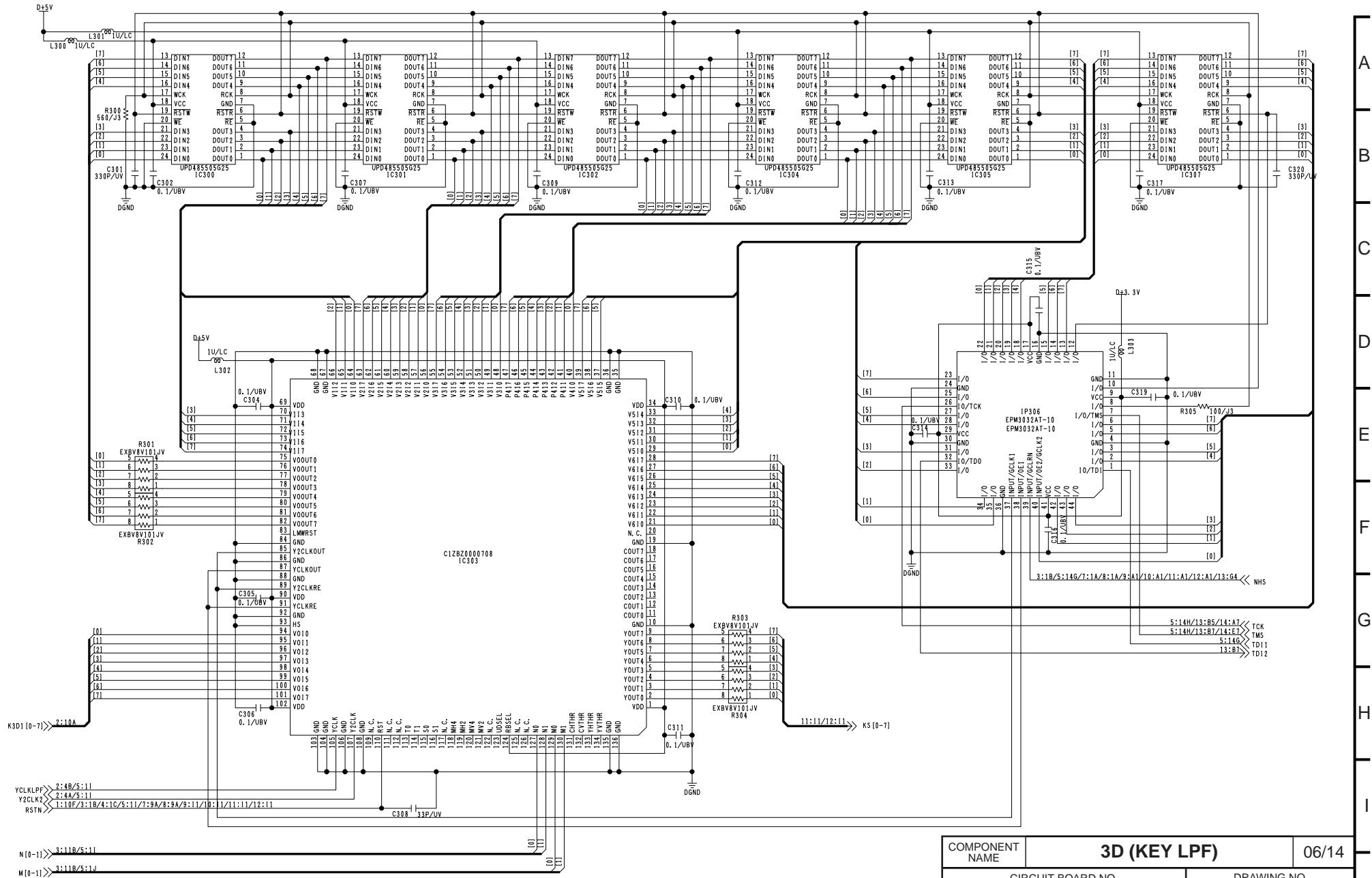




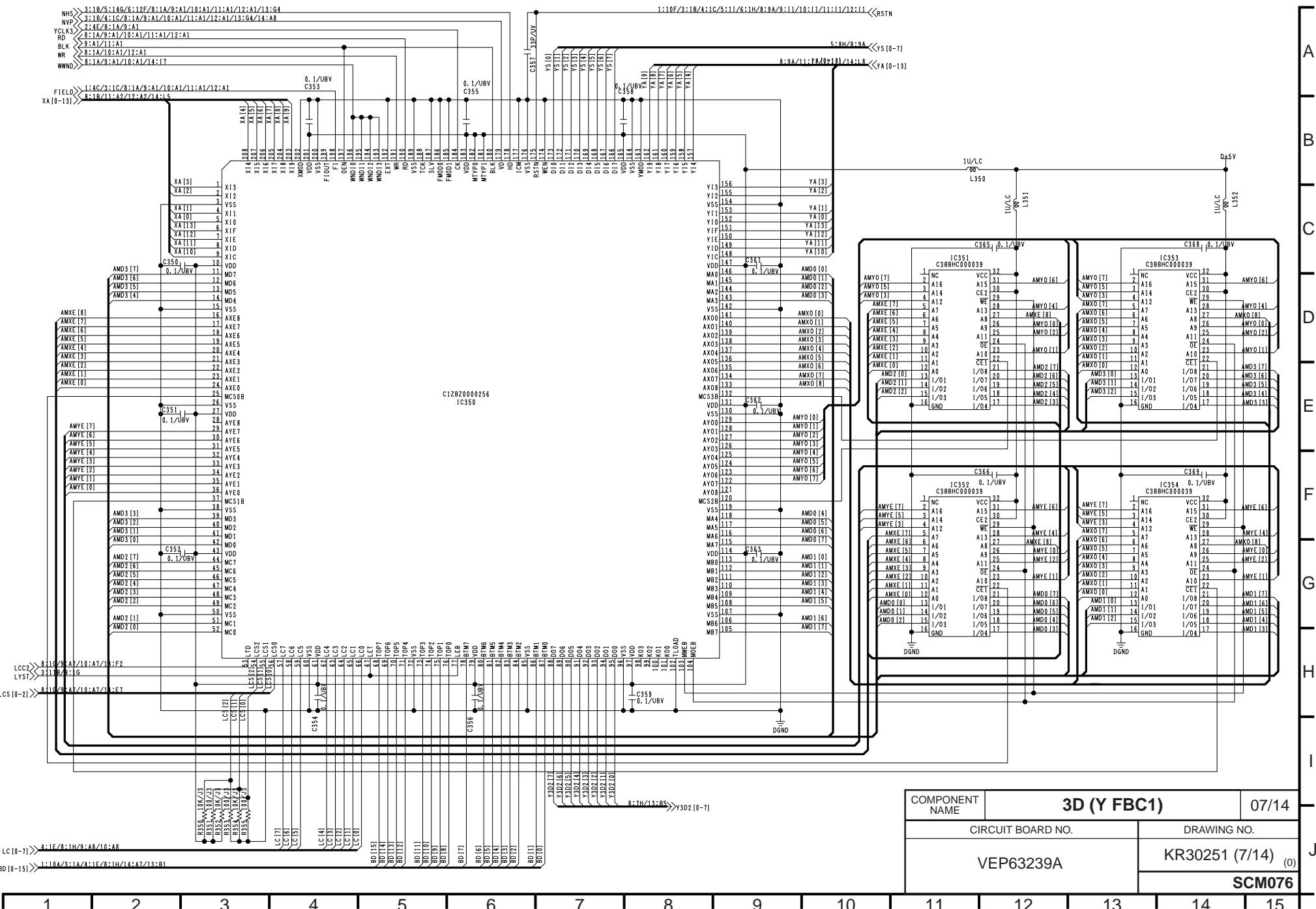
COMPONENT NAME	3D (LIGHTING)	04/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (4/14) <sup>(0)</sup>	SCM073
		J

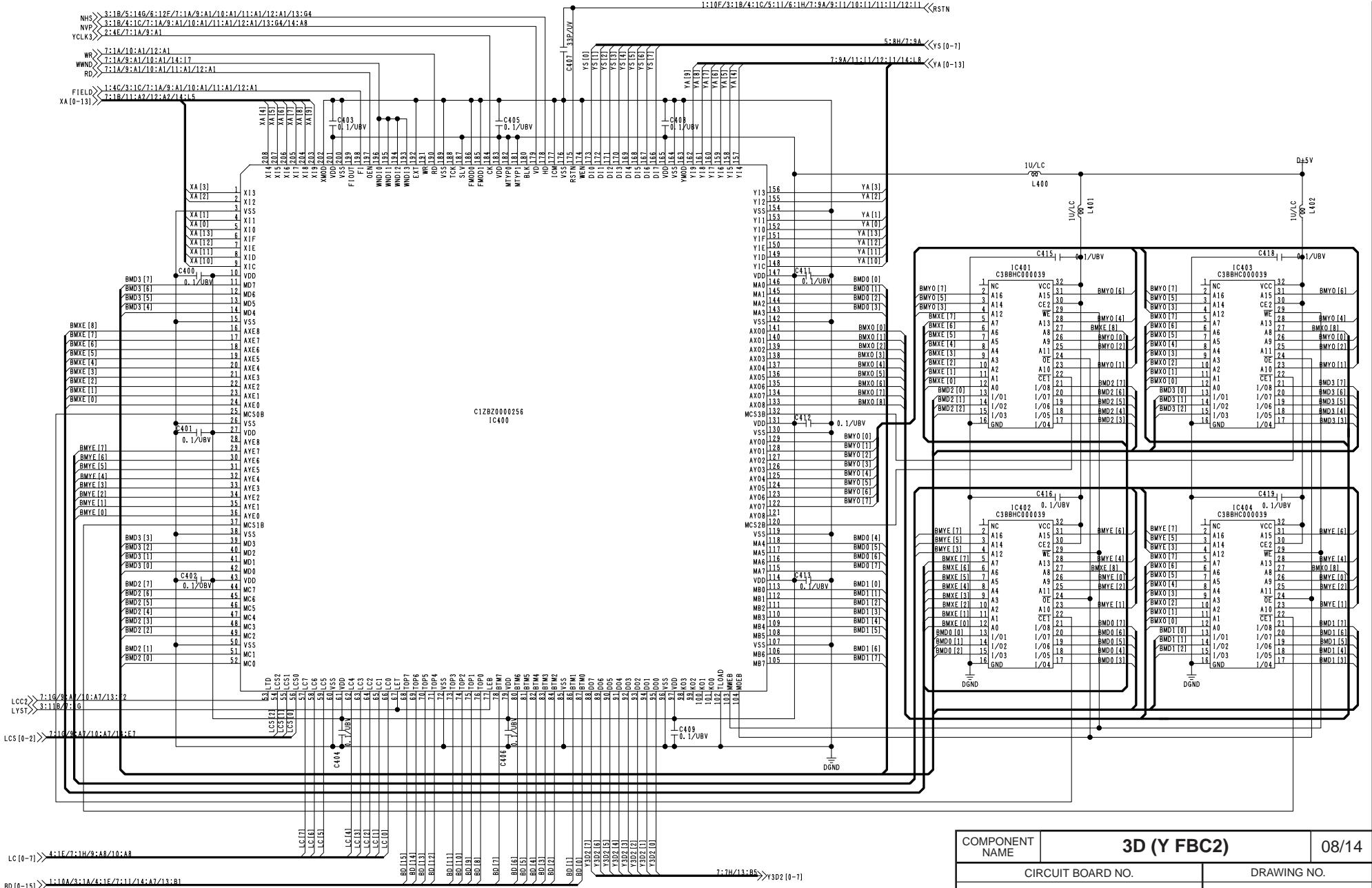


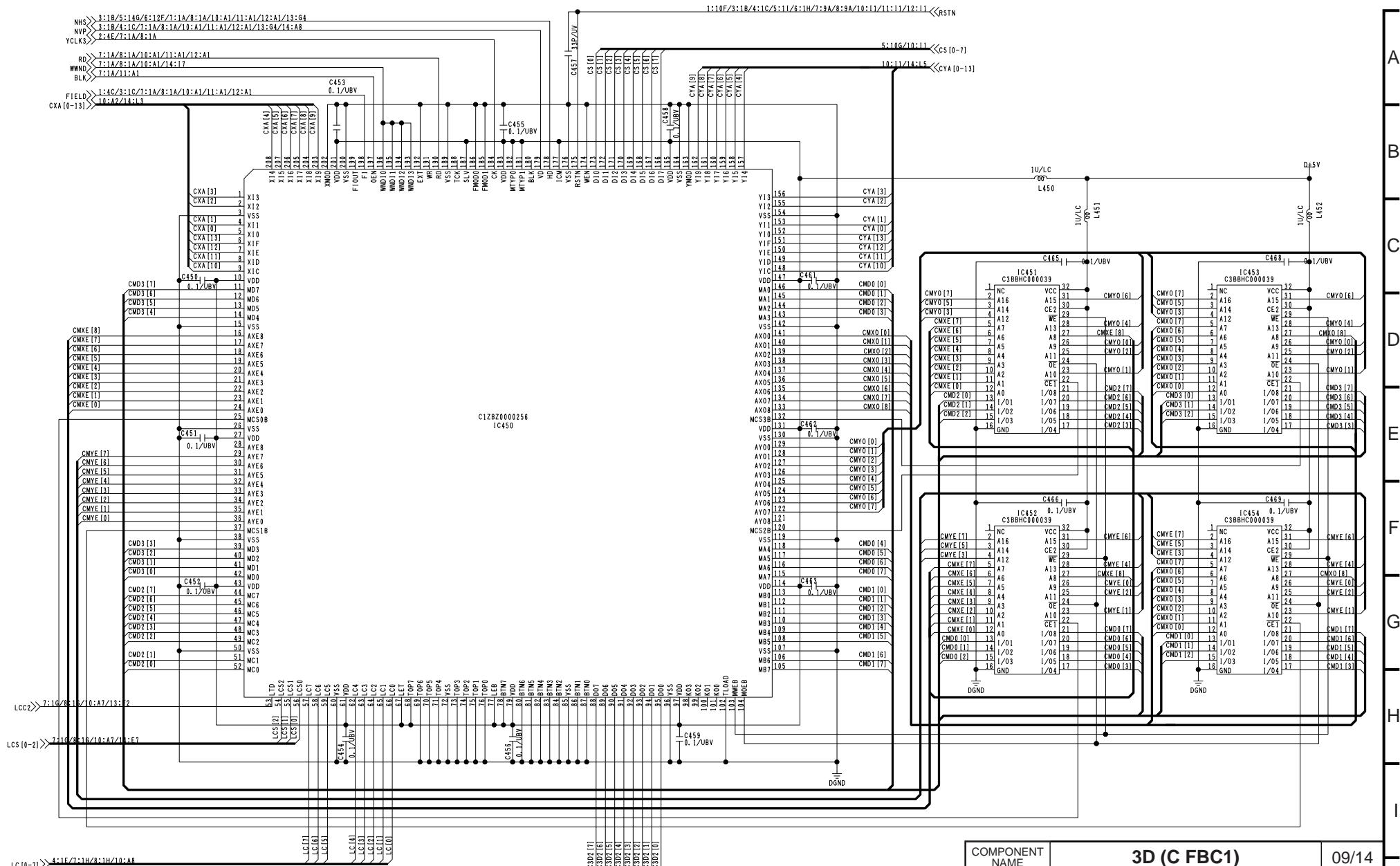
COMPONENT NAME	3D (YC LPF)	05/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP63239A		KR30251 (5/14) (0) SCM074



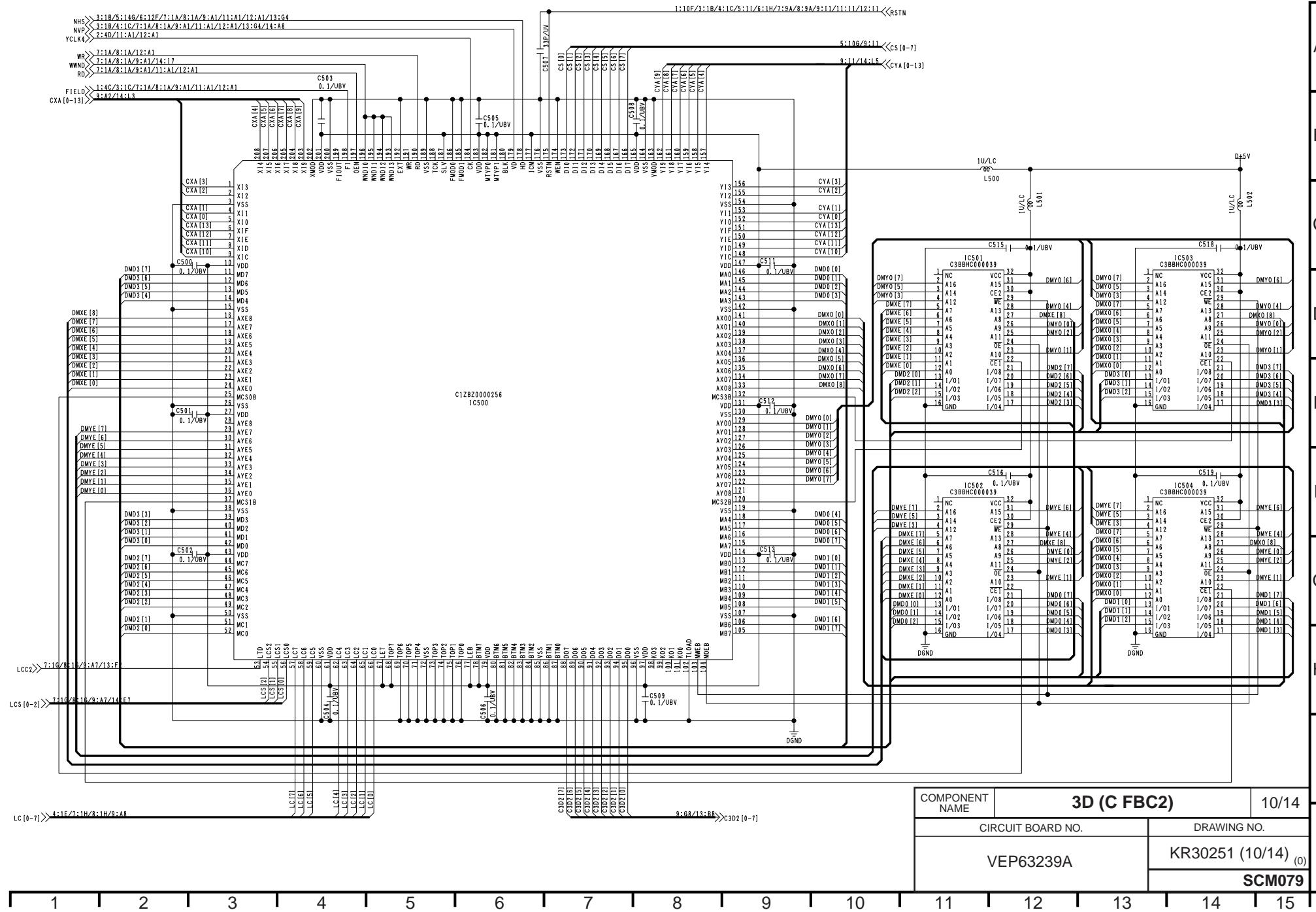
COMPONENT NAME	3D (KEY LPF)	06/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (6/14) (0)	SCM075

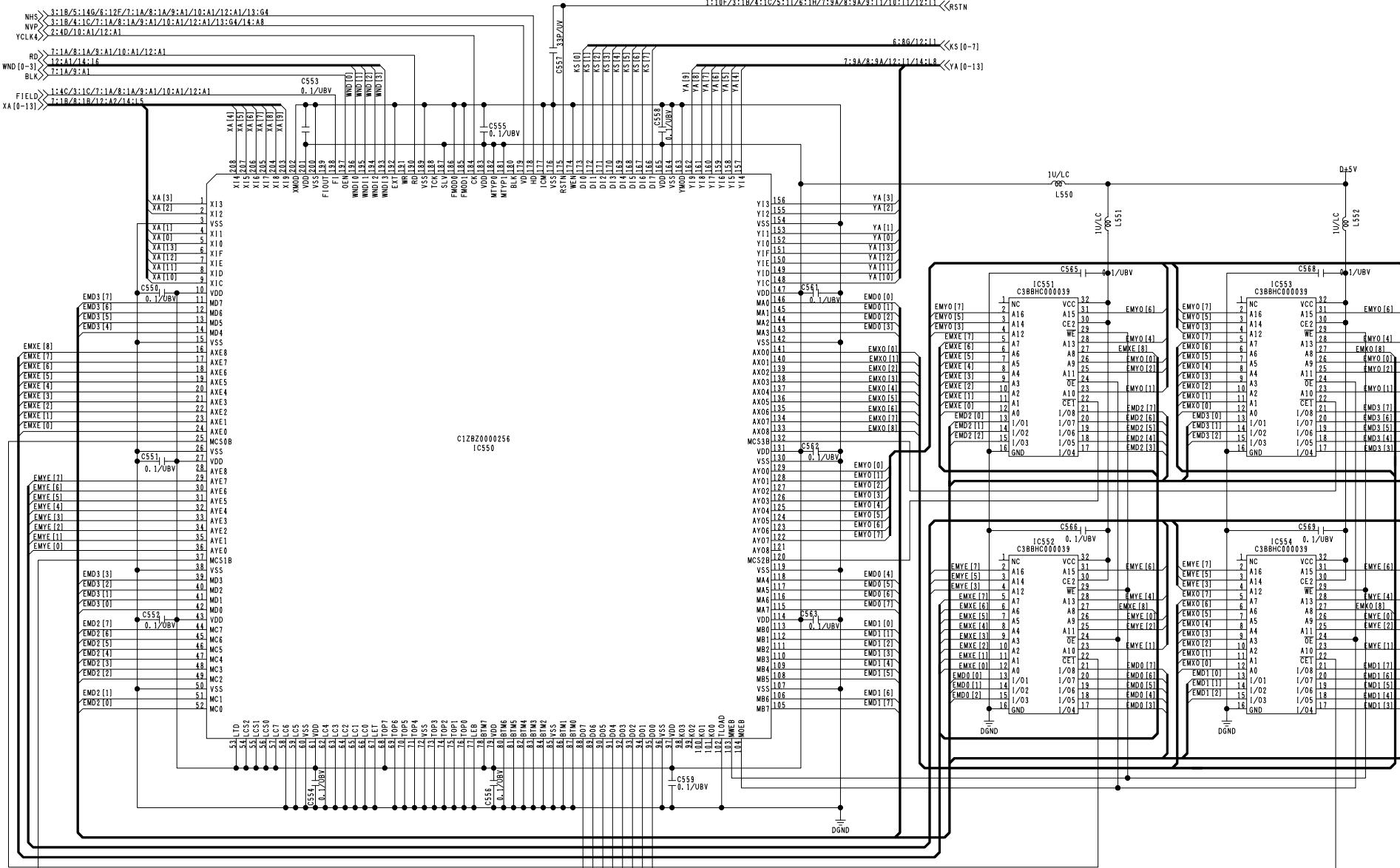






COMPONENT NAME	3D (C FBC1)	09/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (9/14)	(0)
	SCM078	

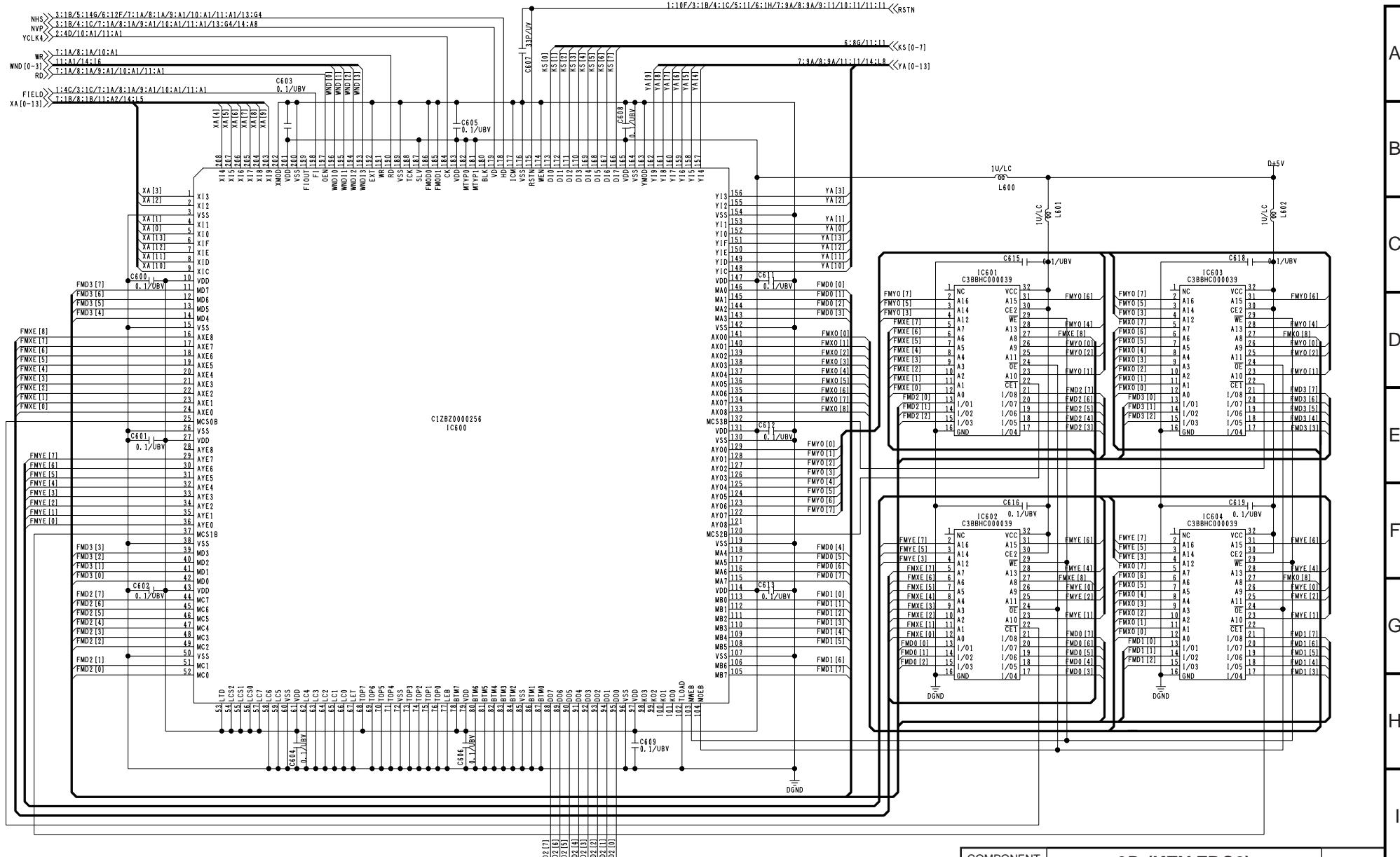




2:1G/12:18 >> X3D2 [0-7]

COMPONENT NAME	3D (KEY FBC1)	11/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP63239A	KR30251 (11/14) (O)	
SCM080		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	3D (KEY FBC2)
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12/1

CIRCUIT BOARD N

DRAWING NO.

—  
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KB30251 (12/1)

VEP63239

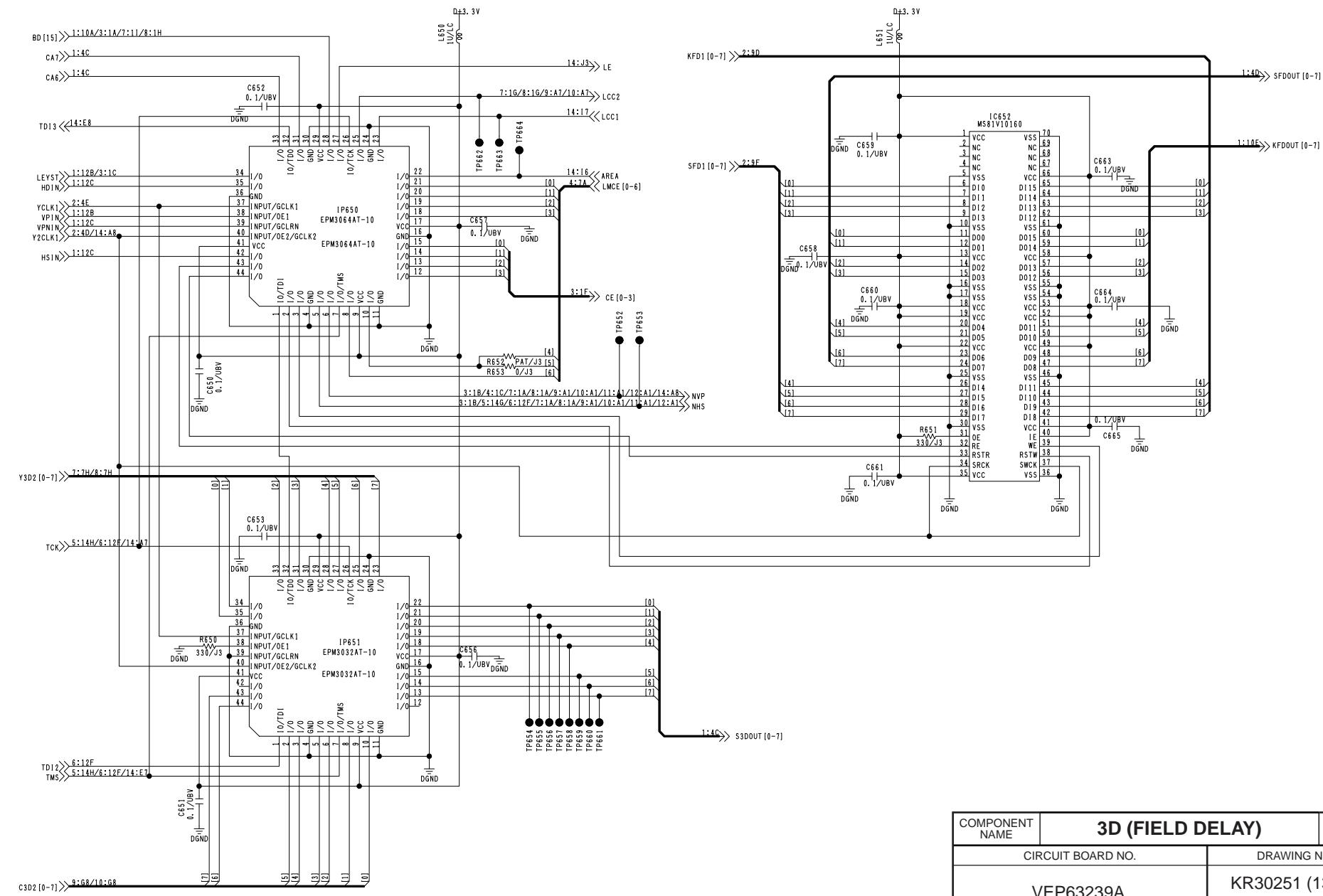
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ANSWER

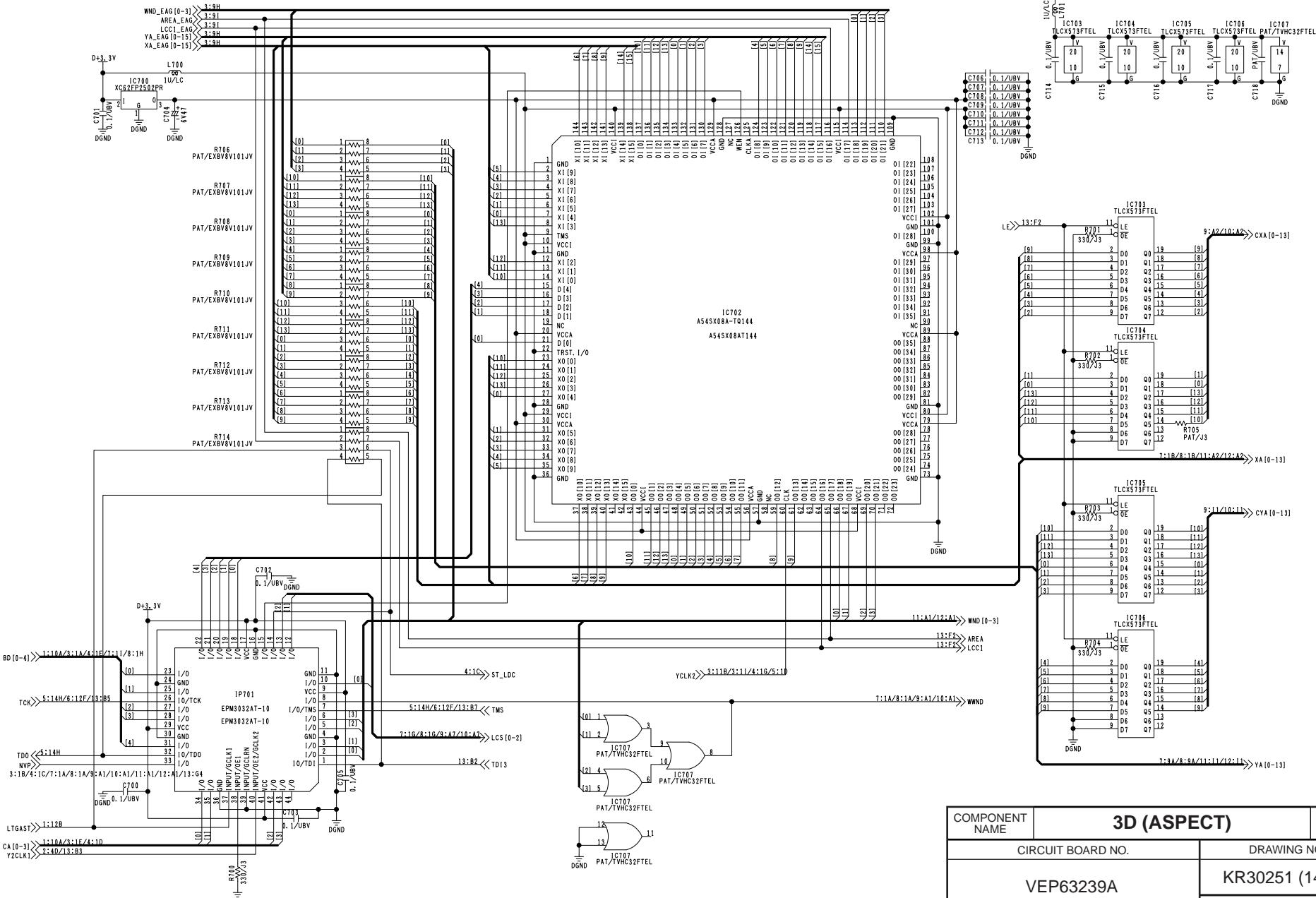
SCM

11 12

14

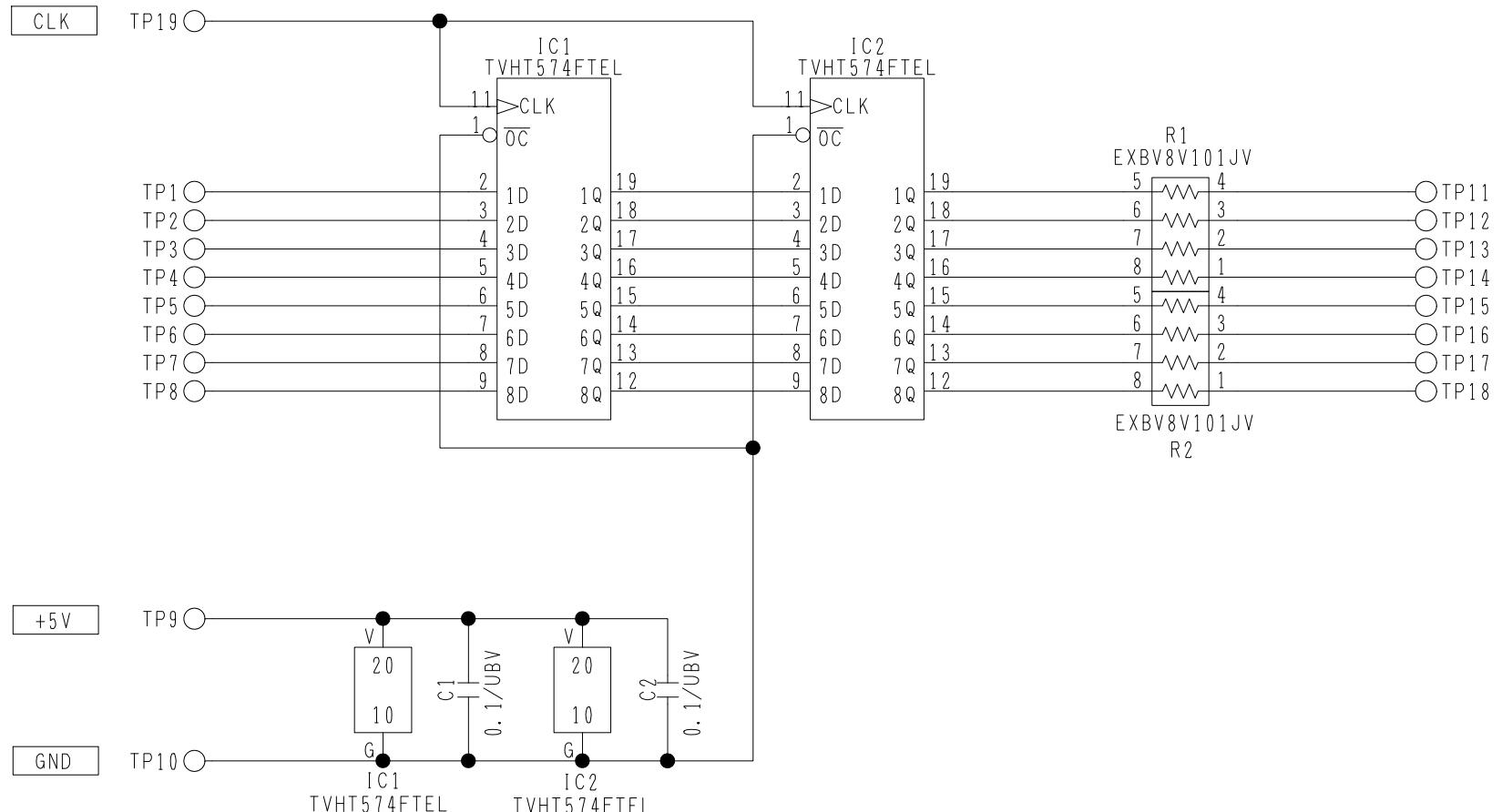


COMPONENT NAME	<b>3D (FIELD DELAY)</b>	13/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (13/14) <small>(0)</small>	<b>SCM082</b>



COMPONENT NAME	3D (ASPECT)	14/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP63239A		KR30251 (14/14) (0)
		SCM083

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

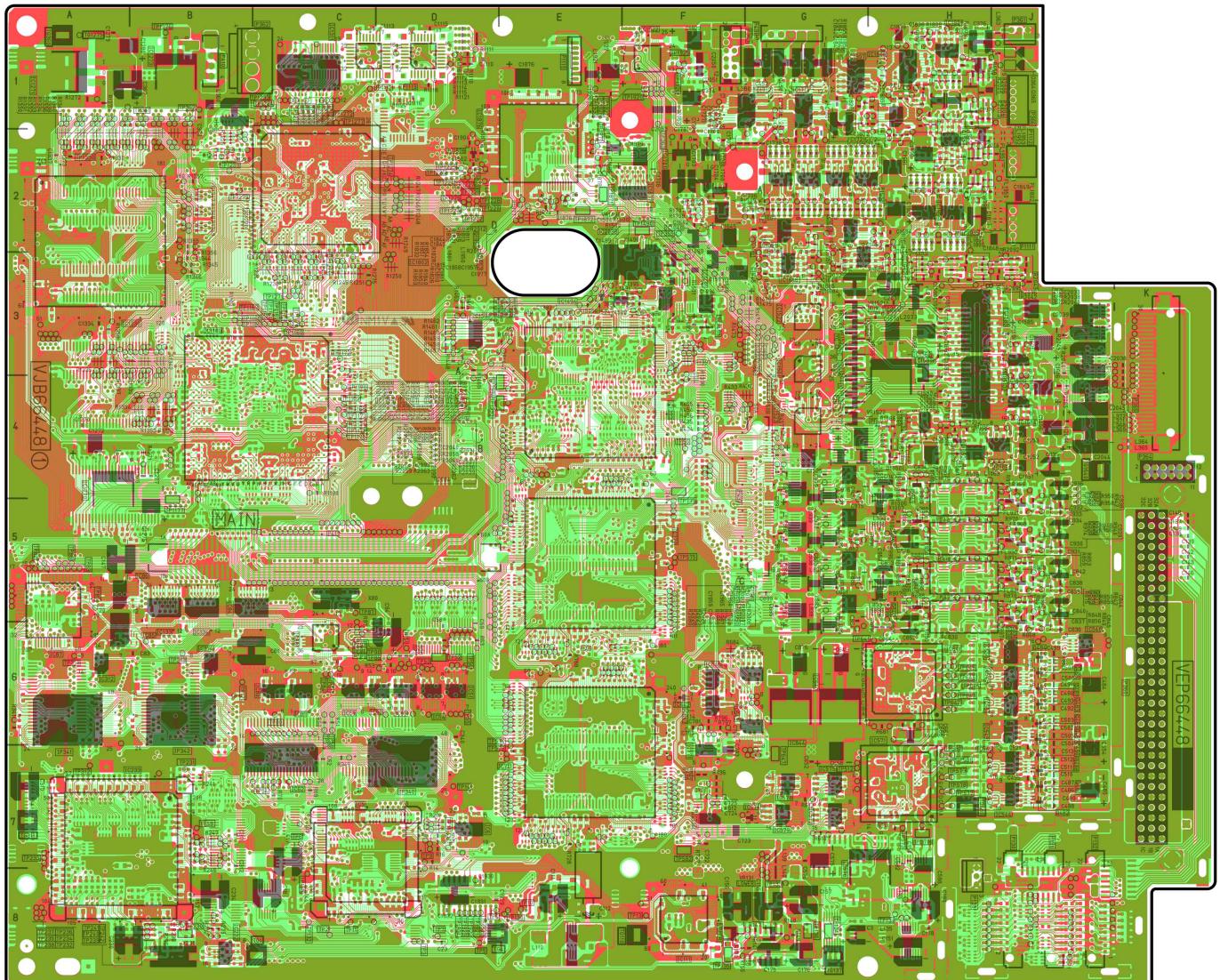


COMPONENT NAME	3D_SUB		01/01
CIRCUIT BOARD NO.	DRAWING NO.		
VEP83611A		KR***** (1/1)	(0)
SCM084			

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# MAIN P.C. BOARD (VEP66448A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5	C8	IC571	H7	IC1491	F3	IC1877	E2	Q482	J7	TG360	A1	TP83	A5	TP242	B8	TP1161	C3	TP1233	C2	TP1924	D8
IC6	D7	IC572	G7	IC1494	E3	IC1878	D2	Q483	J6	TG480	H7	TP84	C6	TP310	A6	TP1162	C3	TP1234	C2	TP1925	F1
IC51	D6	IC574	G7	IC1522	G3	IC1922	F1	Q484	J6	TG1275	A1	TP85	A5	TP312	A7	TP1163	C3	TP1235	C2	TP1926	F1
IC54	D6	IC575	G7	IC1523	G4	IC1951	H2	Q485	J7	TG1640	K4	TP86	A5	TP313	B6	TP1164	C3	TP1236	C2	TP1927	F1
IC55	D6	IC578	G7	IC1561	G3	IC1955	H2	Q486	J6	TP2	C8	TP87	C5	TP361	B2	TP1165	B3	TP1237	C2	TP1928	F1
IC57	C6	IC579	G7	IC1562	H3	IC1959	H2	Q487	J7	TP3	D8	TP88	C6	TP362	B2	TP1166	B3	TP1238	C2	TP1929	F1
IC60	D6	IC640	G6	IC1580	H3	IC2038	F3	Q488	J7	TP5	D8	TP89	C6	TP363	F2	TP1167	B3	TP1239	B2	TP1930	F1
IC62	C7	IC641	H6	IC1582	J4	IP340	D7	Q490	J7	TP6	D8	TP90	C6	TP364	H3	TP1168	C4	TP1270	C3	VR130	F8
IC80	C6	IC642	F6	IC1583	J3	IP341	A6	Q836	J6	TP7	D8	TP91	C6	TP365	F2	TP1169	C4	TP1271	C3	VR131	G8
IC81	C6	IC643	G7	IC1584	J4	IP342	B6	Q837	J5	TP8	C7	TP92	C6	TP512	G7	TP1170	C4	TP1272	C2	VR1490	F3
IC84	B5	IC646	F6	IC1586	J3	IP1112	D1	Q838	J6	TP9	D7	TP130	E8	TP570	H7	TP1171	C3	TP1273	B2	VR1520	G4
IC85	A6	IC647	F6	IC1640	F2	IP1113	D1	Q839	J5	TP10	E8	TP131	H8	TP573	H7	TP1172	C3	TP1274	D2	VR1521	G3
IC86	A5	IC648	G6	IC1642	G3	P130	J8	Q840	H5	TP11	C8	TP132	C8	TP574	E7	TP1173	C4	TP1276	B1	VR1522	G4
IC87	A5	IC711	E7	IC1646	G3	P131	J8	Q841	H5	TP12	B6	TP133	G8	TP575	F5	TP1174	C4	TP1277	C2	VR1523	G3
IC88	C6	IC712	F7	IC1650	G2	P132	J8	Q936	J5	TP13	F8	TP134	G8	TP576	E7	TP1175	C4	TP1330	A2	VR1524	G4
IC111	F8	IC770	E5	IC1651	G2	P133	J8	Q937	J5	TP14	D7	TP135	F8	TP577	H7	TP1176	C4	TP1393	E4	VR1525	G3
IC133	B5	IC771	F7	IC1700	F2	P361	J1	Q938	J5	TP15	D7	TP136	G8	TP578	H7	TP1177	B5	TP1394	E4	VR1560	G3
IC134	B5	IC844	G6	IC1701	F2	P362	B1	Q939	J5	TP50	F4	TP138	C8	TP579	H7	TP1220	D2	TP1395	E3	VR1561	G3
IC232	B8	IC1051	J4	IC1702	F2	P363	F1	Q940	H5	TP51	D6	TP230	B8	TP580	H7	TP1221	D2	TP1396	E3	X80	C5
IC233	A7	IC1052	H4	IC1706	G2	P365	K3	Q941	H4	TP52	D6	TP231	B7	TP581	H7	TP1222	D2	TP1397	E3	X230	B8
IC312	A6	IC1160	C4	IC1707	G2	P366	J2	Q1052	H4	TP53	D6	TP232	A8	TP582	F7	TP1223	D2	TP1398	E3	X640	H7
IC314	B6	IC1220	C2	IC1708	G2	P410	B1	Q1950	J2	TP54	C7	TP233	A7	TP641	H6	TP1224	D2	TP1490	F2	X1490	E3
IC540	J6	IC1270	A4	IC1709	G2	P411	C5	Q1951	J2	TP55	D6	TP234	A8	TP642	H6	TP1225	D2	TP1870	E2		
IC543	J7	IC1271	A1	IC1711	G2	P430	G4	Q1952	J2	TP56	D6	TP235	A8	TP643	H6	TP1226	D2	TP1871	E2		
IC544	J7	IC1273	B1	IC1712	G2	P431	G1	Q1953	J1	TP57	C7	TP236	A8	TP644	H6	TP1227	D2	TP1872	E2		
IC545	J7	IC1311	C1	IC1801	H1	P1110	E1	TG1	C8	TP58	C7	TP237	A8	TP645	H6	TP1228	D2	TP1873	D2		
IC549	J6	IC1330	A2	IC1802	H2	P1111	J2	TG4	E8	TP59	B7	TP238	A8	TP646	H6	TP1229	D2	TP1920	D8		
IC550	J6	IC1393	E4	IC1807	G1	P1112	J2	TG110	F8	TP80	C6	TP239	B8	TP647	G7	TP1230	C2	TP1921	D8		
IC551	J6	IC1398	D3	IC1808	H1	Q480	J7	TG137	G8	TP81	C6	TP240	B8	TP770	F4	TP1231	C2	TP1922	D8		
IC570	H8	IC1490	F3	IC1876	E2	Q481	J6	TG311	A7	TP82	A5	TP241	B8	TP1160	C3	TP1232	C2	TP1923	D8		



(COMPONENT SIDE)

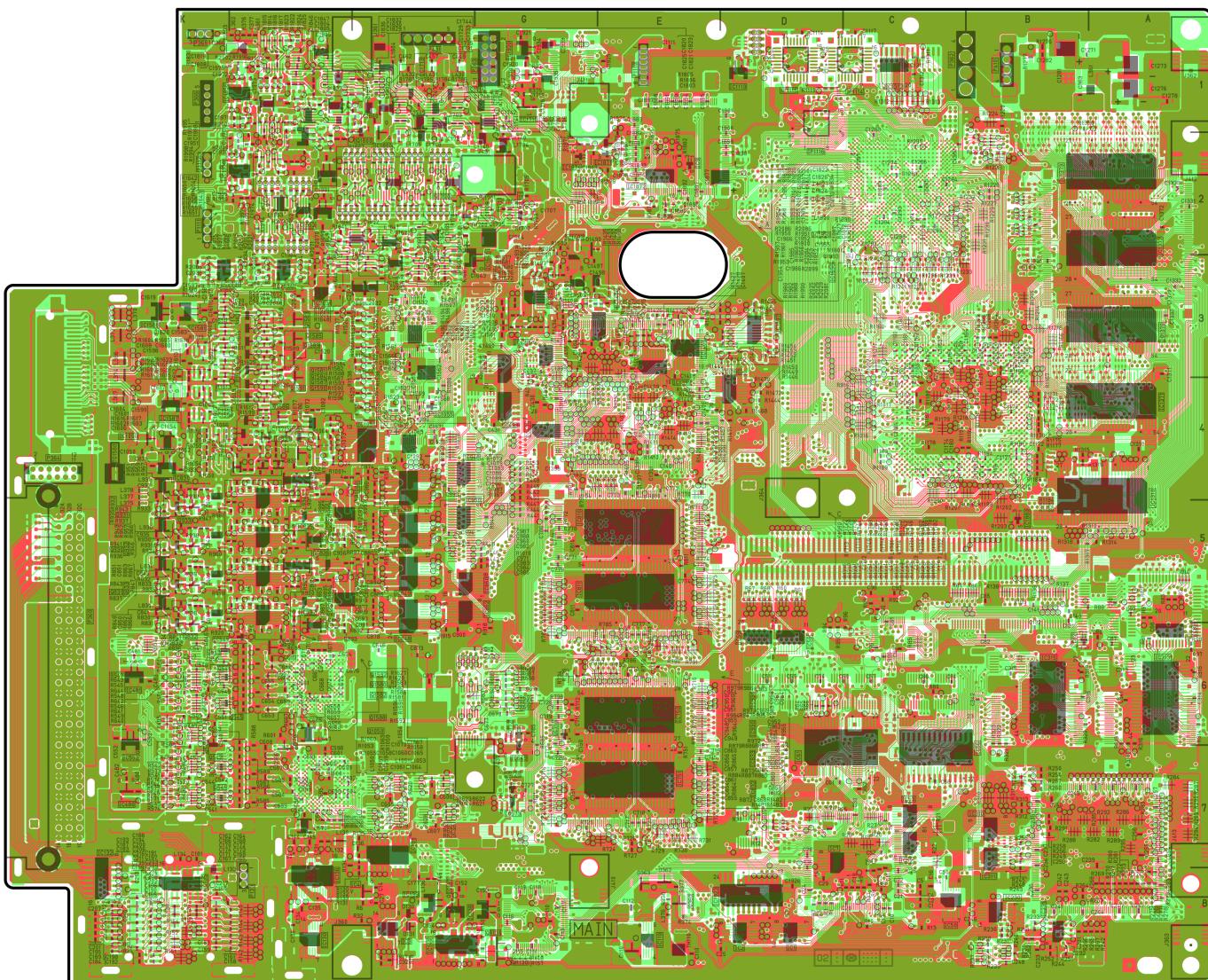
# MAIN P.C. BOARD (VEP66448A)

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IC1	D8	IC315	B6	IC931	K4	IC1714	H1	Q660	K6	TG1580	K4
IC2	E8	IC430	G3	IC934	J4	IC1800	J1	Q830	K5	TH110	E8
IC3	J8	IC431	G4	IC935	J5	IC1871	G2	Q831	K5		
IC4	J8	IC432	H3	IC946	H5	IC1872	E2	Q832	K6		
IC7	D7	IC433	H4	IC947	H4	IC1874	G2	Q833	K5		
IC9	E2	IC480	K7	IC948	H4	IC1880	B5	Q930	K5		
IC50	C8	IC481	K6	IC950	H5	IC1920	G1	Q931	K5		
IC52	C7	IC541	K6	IC952	J5	IC1923	E8	Q932	K5		
IC53	C7	IC552	K6	IC1050	K4	IC1950	J2	Q933	K5		
IC56	C7	IC573	H7	IC1054	J4	IC1952	J2	Q1050	K4		
IC58	D6	IC649	H7	IC1055	H4	IC1953	J2	Q1051	J4		
IC59	E6	IC710	G6	IC1110	E1	IC1956	K1	Q1580	K4		
IC61	D7	IC728	H7	IC1310	B4	IC1958	K2	Q1581	K3		
IC82	B6	IC750	G6	IC1312	C1	IC2030	K3	Q1582	K4		
IC83	A6	IC751	G7	IC1370	B3	IC2031	J3	Q1583	J3		
IC110	E8	IC772	H6	IC1371	B4	IC2034	J3	Q1584	K3		
IC130	J8	IC810	G5	IC1372	B2	IC2039	G3	Q1585	J3		
IC131	J7	IC811	G5	IC1373	B2	IP1114	D1	Q1586	K4		
IC132	K8	IC830	J4	IC1396	E4	IP1115	D1	Q1587	K3		
IC135	K8	IC831	K4	IC1397	E3	IP1116	D1	Q1588	K4		
IC136	J8	IC832	K5	IC1399	E3	P360	K6	Q1589	J3		
IC137	H8	IC833	K5	IC1400	G3	P364	K4	Q1590	K3		
IC138	H8	IC836	J5	IC1401	E3	Q360	E8	Q1591	J3		
IC139	H8	IC837	J5	IC1493	G3	Q540	K6	Q1592	K3		
IC140	H8	IC848	H5	IC1581	K3	Q541	K7	Q1700	H2		
IC230	C8	IC849	H5	IC1587	K4	Q542	K7	Q1701	H2		
IC231	B8	IC850	H5	IC1588	K3	Q543	K6	Q1800	J1		
IC310	C7	IC852	H5	IC1641	H3	Q544	K6	QR130	H8		
IC311	C7	IC854	J5	IC1710	G1	Q545	K6	QR131	H8		
IC313	A6	IC930	K5	IC1713	H1	Q570	J7	QR1870	G2		

**IMPORTANT SAFETY NOTICE:**  
COMPONENTS IDENTIFIED WITH THE MARK HAVE THE SPECIAL  
CHARACTERISTICS FOR SAFETY.  
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.



印の部品は安全上重要な部品です。  
交換するときは、安全上および性能維持のため  
必ず指定の部品をご使用ください。

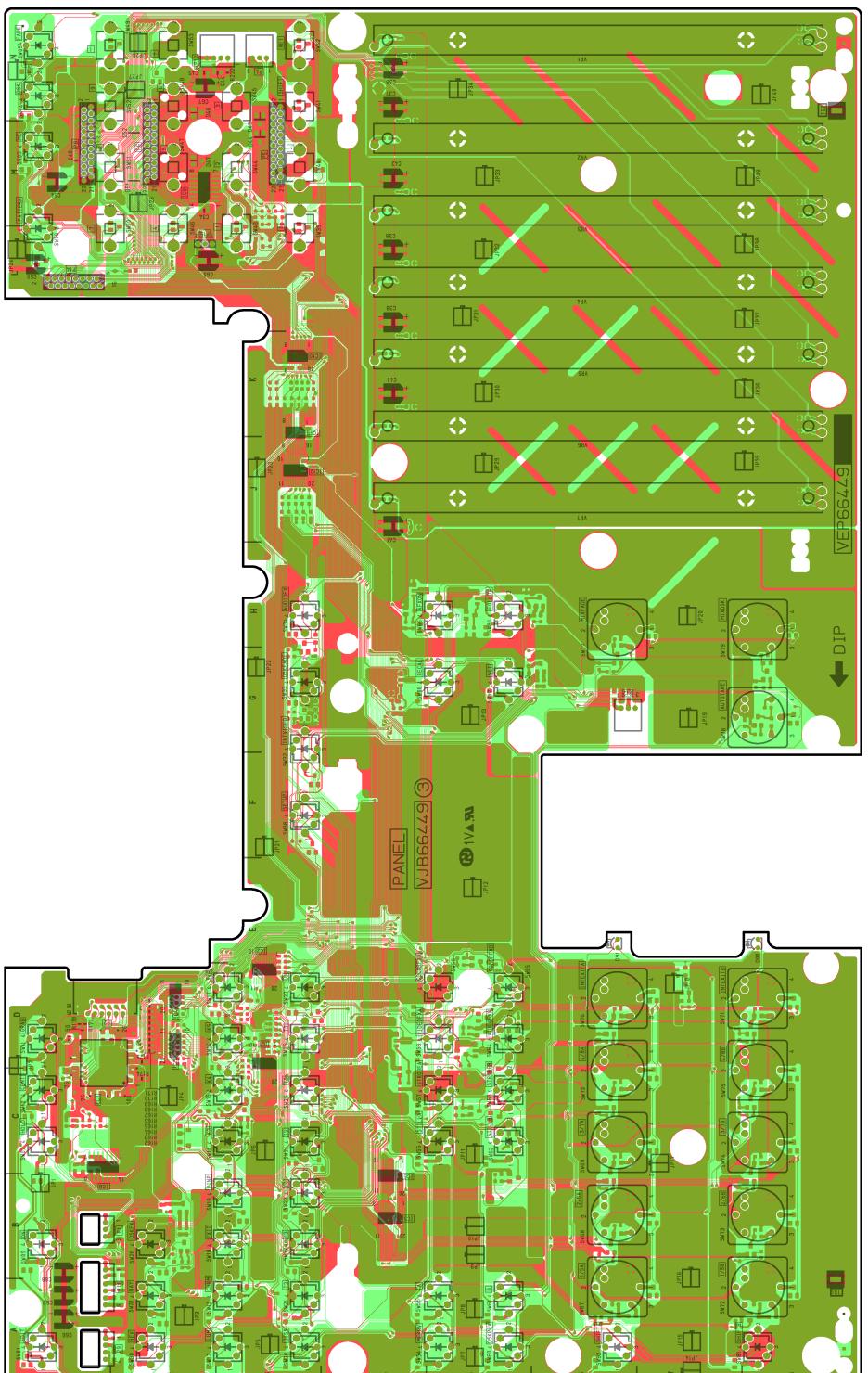


(FOIL SIDE)

CBA-2

# PANEL P.C. BOARD (VEP66449A)

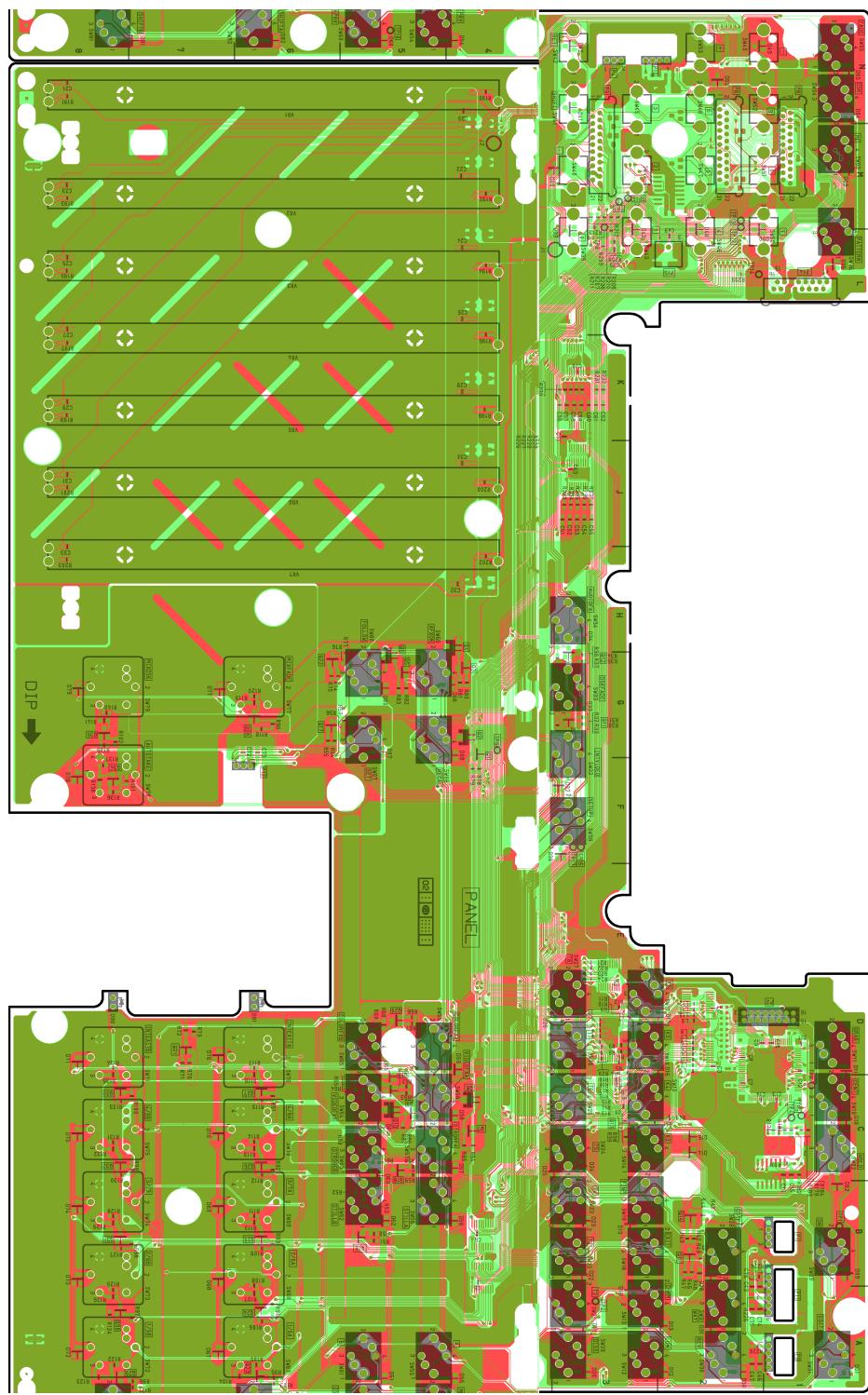
REF	LOC	REF	LOC
IC1	D3	SW60	A5
IC2	D3	SW61	A5
IC3	D2	SW62	C5
IC4	D2	SW63	C5
IC5	B4	SW64	D5
IC6	B4	SW65	D5
IC7	D1	SW66	H5
IC8	C1	SW67	A6
IC9	M2	SW68	B6
IC10	K3	SW69	C6
IC11	K3	SW70	C6
IC12	J3	SW71	D8
P1	B1	SW72	A8
P2	D1	SW73	B8
P4	N3	SW74	C8
P5	M3	SW75	C8
P6	M2	SW76	D6
P8	M1	SW77	H6
P9	A1	SW78	G8
P10	N3	SW79	H8
P11	A1	SW80	H5
P12	G6	SW82	A6
P14	L1	TG1	A8
P15	L2	TG2	N8
SW01	A1	VR1	N6
SW02	C1	VR2	M6
SW03	M1	VR3	M6
SW04	N1	VR4	L6
SW05	N1	VR5	K6
SW06	L1	VR6	K6
SW07	G5	VR7	L6
SW08	G5		
SW09	B1		
SW10	C1		
SW11	D1		
SW12	A3		
SW13	A3		
SW14	C3		
SW15	C3		
SW16	D3		
SW17	D3		
SW18	B3		
SW19	B3		
SW20	A3		
SW21	A3		
SW22	B3		
SW23	B3		
SW24	C3		
SW25	C3		
SW26	D3		
SW27	D3		
SW28	B2		
SW30	A2		
SW31	A2		
SW32	G3		
SW33	G3		
SW34	H3		
SW38	F3		
SW39	L3		
SW40	M3		
SW41	N3		
SW42	N3		
SW43	L3		
SW44	M3		
SW45	N3		
SW46	L2		
SW47	M2		
SW48	N2		
SW49	N1		
SW50	L1		
SW51	M1		



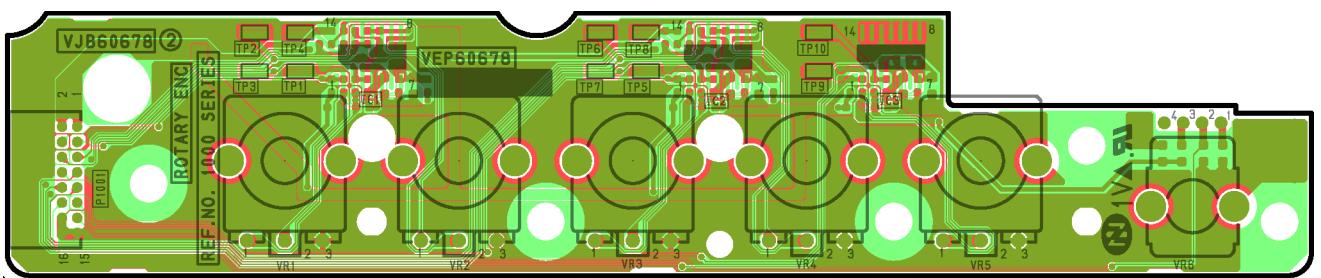
(COMPONENT SIDE)

# PANEL P.C. BOARD (VEP66449A)

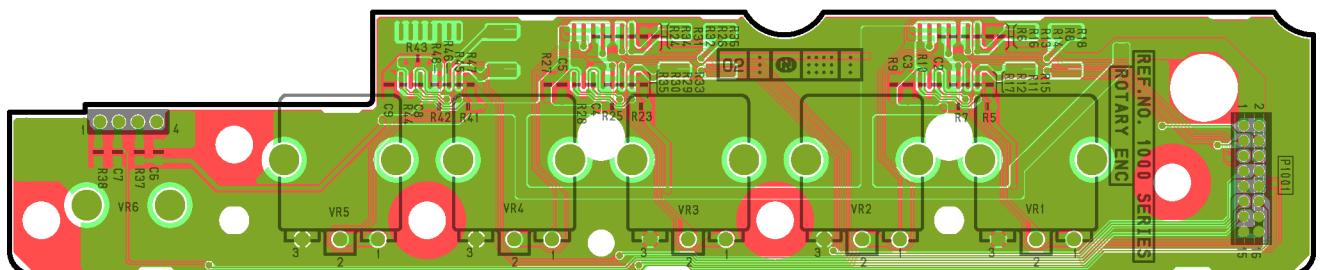
REF	LOC	REF	LOC
IC1	D3	SW60	A5
IC2	D3	SW61	A5
IC3	D2	SW62	C5
IC4	D2	SW63	C5
IC5	B4	SW64	D5
IC6	B4	SW65	D5
IC7	D1	SW66	H5
IC8	C1	SW67	A6
IC9	M2	SW68	B6
IC10	K3	SW69	C6
IC11	K3	SW70	C6
IC12	J3	SW71	D8
P1	B1	SW72	A8
P2	D1	SW73	B8
P4	N3	SW74	C8
P5	M3	SW75	C8
P6	M2	SW76	D6
P8	M1	SW77	H6
P9	A1	SW78	G8
P10	N3	SW79	H8
P11	A1	SW80	H5
P12	G6	SW82	A6
P14	L1	TG1	A8
P15	L2	TG2	N8
SW01	A1	VR1	N6
SW02	C1	VR2	M6
SW03	M1	VR3	M6
SW04	N1	VR4	L6
SW05	N1	VR5	K6
SW06	L1	VR6	K6
SW07	G5	VR7	L6
SW08	G5		
SW09	B1		
SW10	C1		
SW11	D1		
SW12	A3		
SW13	A3		
SW14	C3		
SW15	C3		
SW16	D3		
SW17	D3		
SW18	B3		
SW19	B3		
SW20	A3		
SW21	A3		
SW22	B3		
SW23	B3		
SW24	C3		
SW25	C3		
SW26	D3		
SW27	D3		
SW28	B2		
SW29	A2		
SW31	A2		
SW32	G3		
SW33	G3		
SW34	H3		
SW38	F3		
SW39	L3		
SW40	M3		
SW41	N3		
SW42	N3		
SW43	L3		
SW44	M3		
SW45	N3		
SW46	L2		
SW47	M2		
SW48	N2		
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SW51	M1		



## **ROTARY SW P.C. BOARD (VEP60678A)**



(COMPONENT SIDE)

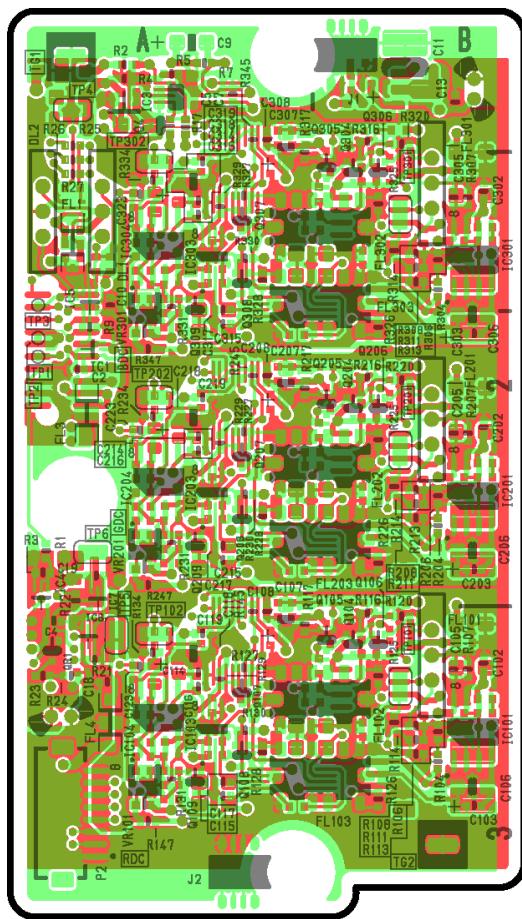


(FOIL SIDE)

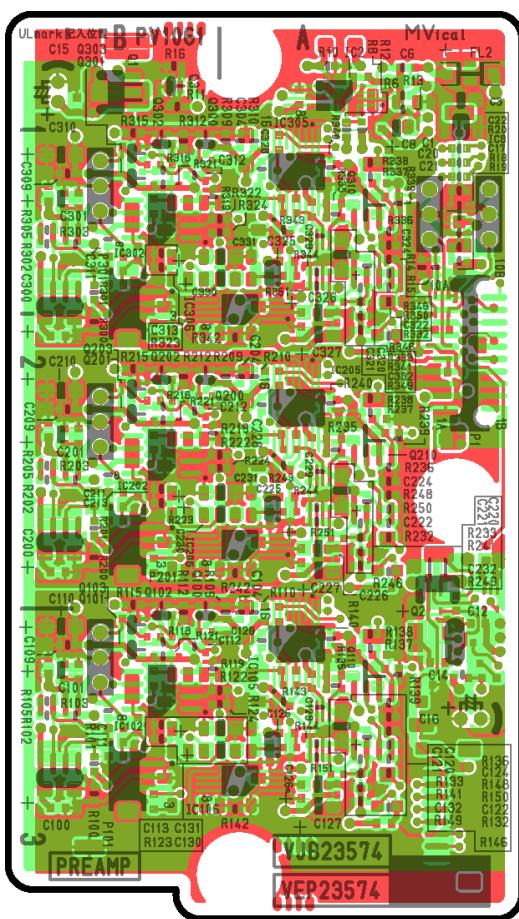
# A MUTE P.C. BOARD (VEP64184A)

REF	LOC	REF	LOC	REF	LOC
IC1	A2	Q107	B3	TP4	A1
IC3	A1	Q108	B3	TP5	A3
IC4	A2	Q109	A3	TP6	A2
IC5	A1	Q204	B2	TP101	B3
IC6	A3	Q205	B2	TP201	A3
IC7	A2	Q206	B2	TP201	B2
IC101	B3	Q207	B2	TP202	A2
IC103	B3	Q208	B2	TP301	B1
IC104	A3	Q209	B2	TP302	A1
IC201	B2	Q304	B1	VR101	A3
IC203	B2	Q305	B1	VR201	A2
IC204	A2	Q306	B1	VR301	A2
IC301	B1	Q307	B1		
IC303	B1	Q308	B2		
IC304	A1	Q309	B2		
P2	A3	TG1	A1		
Q104	B3	TG2	B3		
Q102	B3	TP1	A2		
Q105	B2	TP2	A2		
Q106	B2	TP3	A1		

REF	LOC	REF	LOC
IC2	A1	Q103	B3
IC102	B3	Q110	A3
IC105	A3	Q200	A2
IC106	B3	Q201	B2
IC202	B2	Q202	B2
IC205	A2	Q203	B2
IC206	B2	Q210	A2
IC302	B1	Q300	B1
IC305	A1	Q301	B1
IC306	B1	Q302	B1
P1	A2	Q303	B1
P101	B3	Q310	A1
P201	B2		
P301	B1		
Q1	B1		
Q2	A3		
Q3	B1		
Q100	B2		
Q101	B3		
Q102	B3		

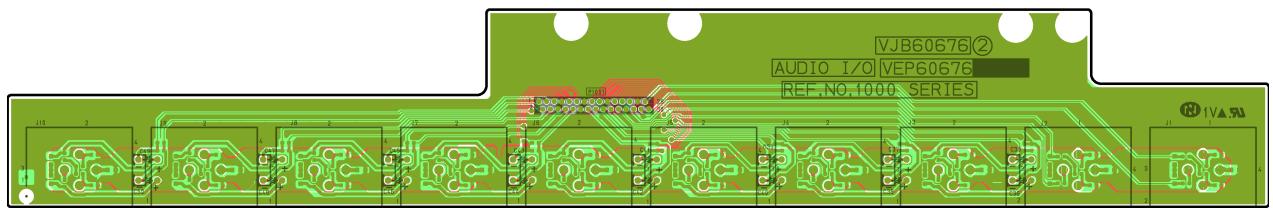


(COMPONENT SIDE)

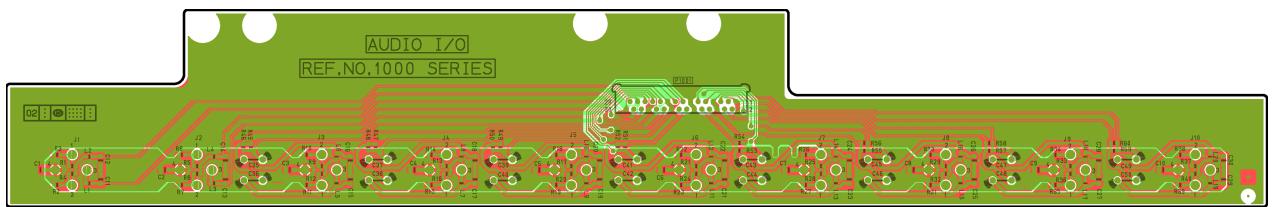


(FOIL SIDE)

## AUDIO I/O P.C. BOARD (VEP60676B)

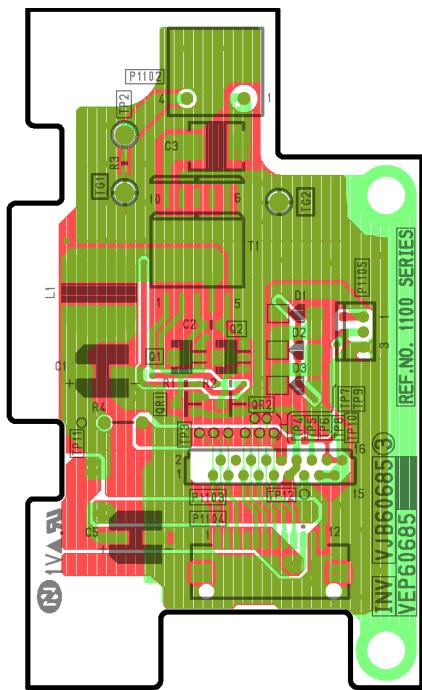


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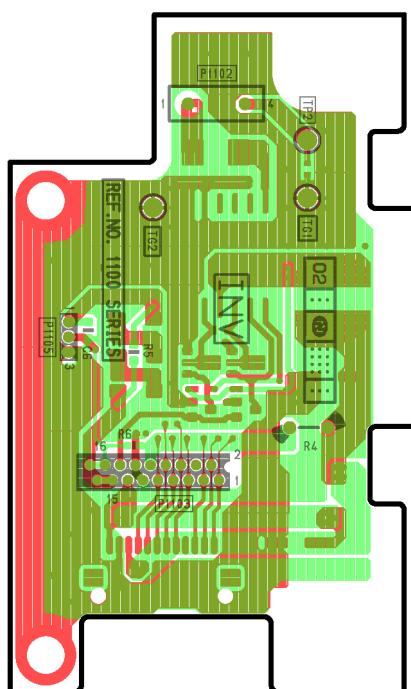


(FOIL SIDE)

## INV P.C. BOARD (VEP60685A)

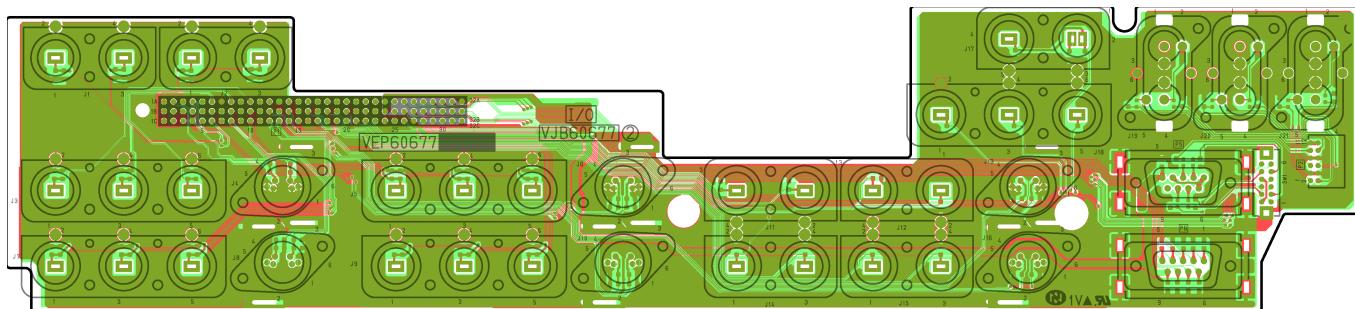


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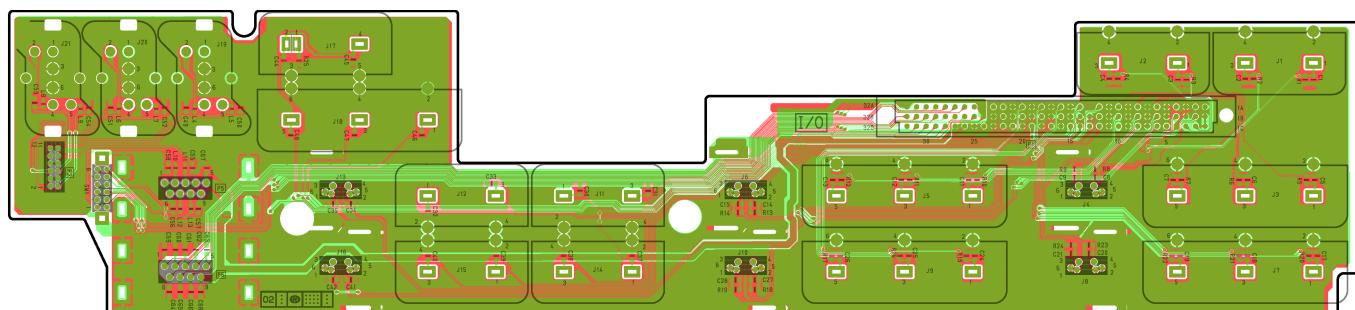


(FOIL SIDE)

## I/O P.C. BOARD (VEP60677A)

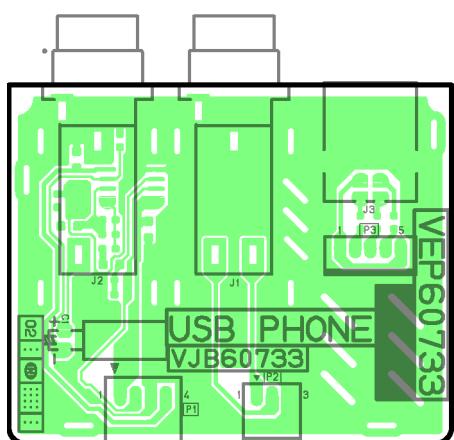


(COMPONENT SIDE)

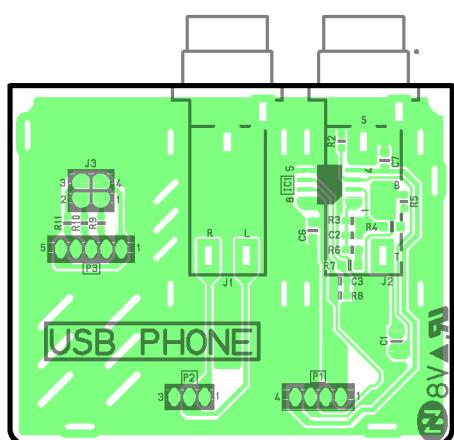


(FOIL SIDE)

## USB PHONE P.C. BOARD (VEP60733A)



(COMPONENT SIDE)



(FOIL SIDE)

# POWER MAIN P.C. BOARD (VEP61294A)

**CAUTION**

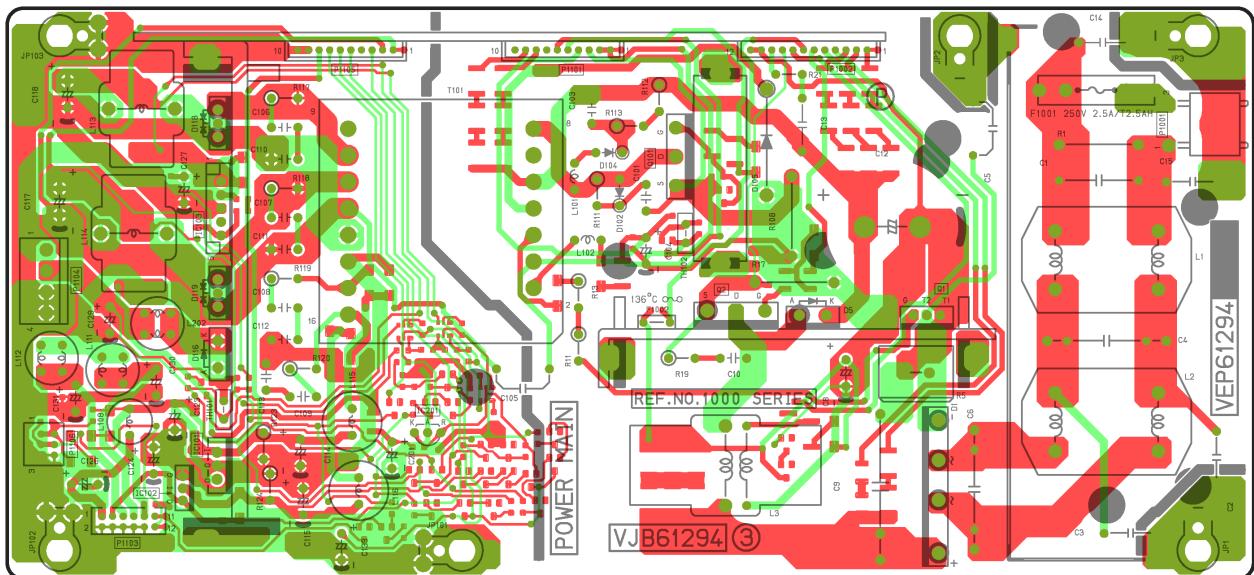
THE □ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

**警 告**

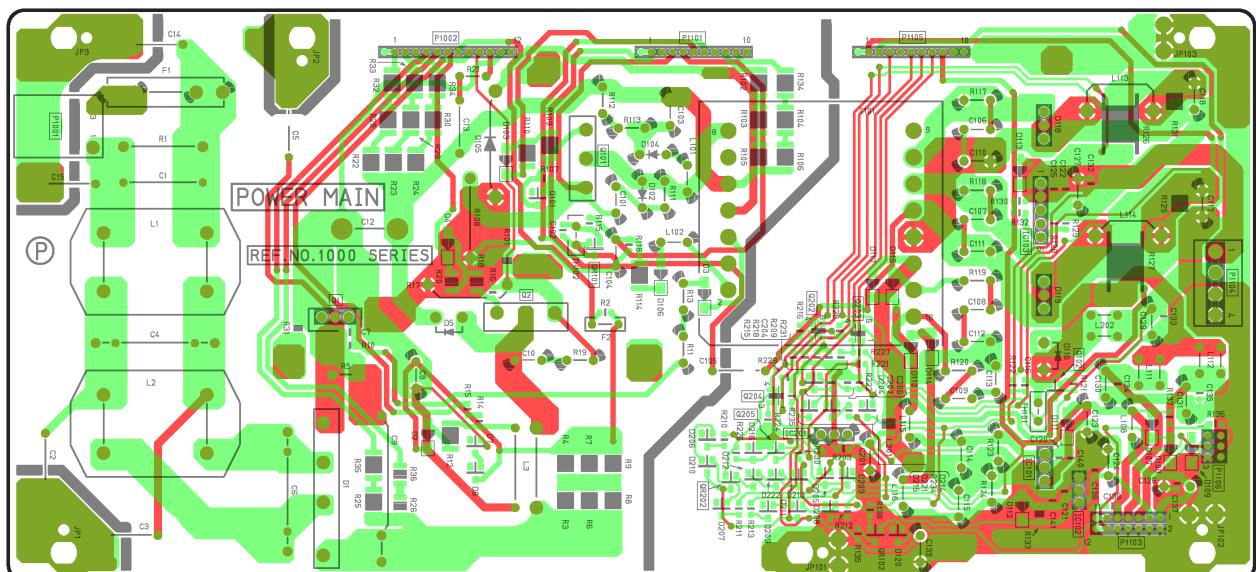
△ 印の部品は安全上重要な部品です。交換するときは、安全上および性能維持のため必ず指定の部品をご使用ください。

**IMPORTANT SAFETY NOTICE:**  
COMPONENTS IDENTIFIED WITH THE MARK △ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。



(COMPONENT SIDE)



(FOIL SIDE)

# POWER SUB P.C. BOARD (VEP61295A)

## CAUTION

THE  MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

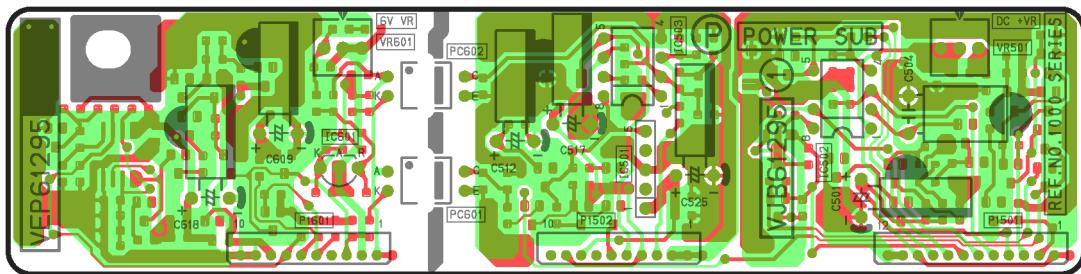
## IMPORTANT SAFETY NOTICE:

COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

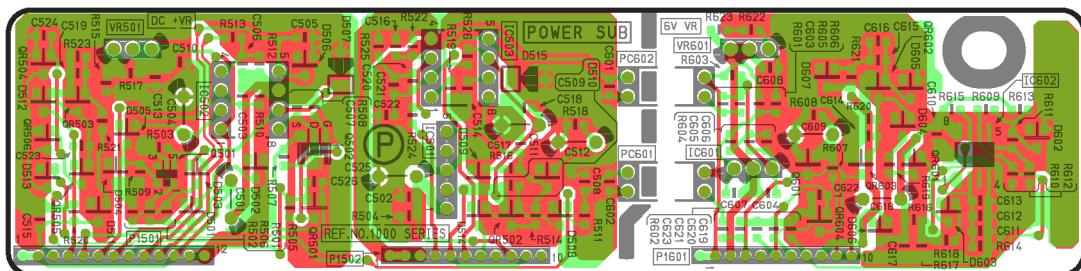
## 警告

印の部品は安全上重要な部品です。交換するときは、安全上および性能維持のため必ず指定の部品をご使用ください。

 内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

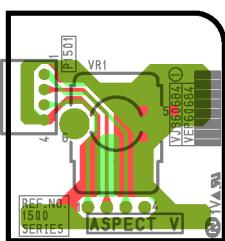


(COMPONENT SIDE)

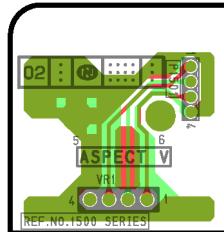


(FOIL SIDE)

# ASPECT V P.C. BOARD (VEP60684A)

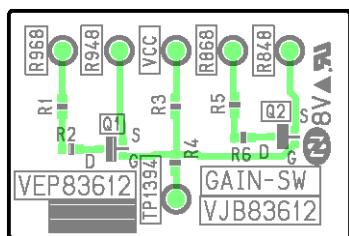


(COMPONENT SIDE)



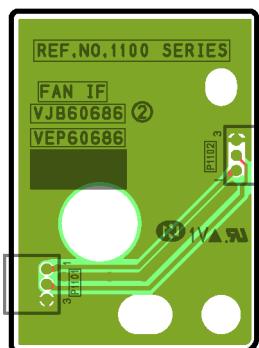
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## GAIN SW P.C. BOARD (VEP83612A)

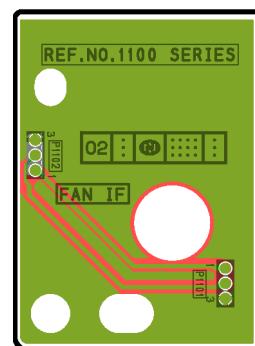


(COMPONENT SIDE)

## FAN IF P.C. BOARD (VEP60686A)

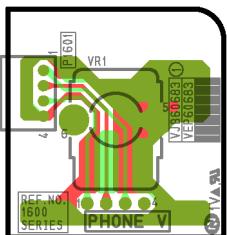


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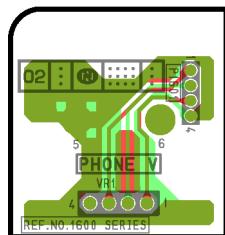


(FOIL SIDE)

## PHONE V P.C. BOARD (VEP60683A)

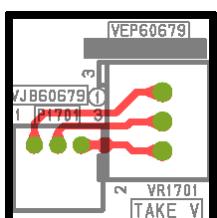


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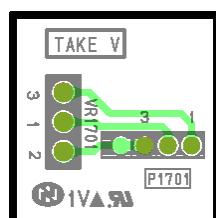


(FOIL SIDE)

## TAKE V P.C. BOARD (VEP60679A)

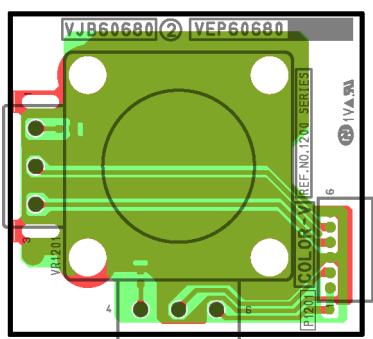


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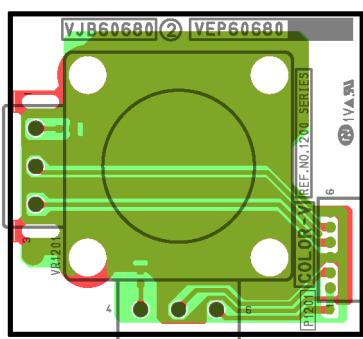


(FOIL SIDE)

## COLOR V P.C. BOARD (VEP60680A)

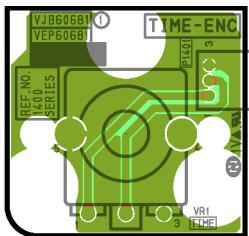


(COMPONENT SIDE)

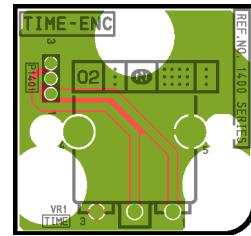


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## TIME ENC P.C. BOARD (VEP60681A)

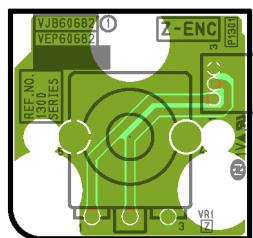


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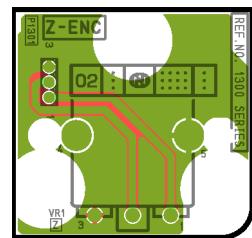


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## Z ENC P.C. BOARD (VEP60682A)



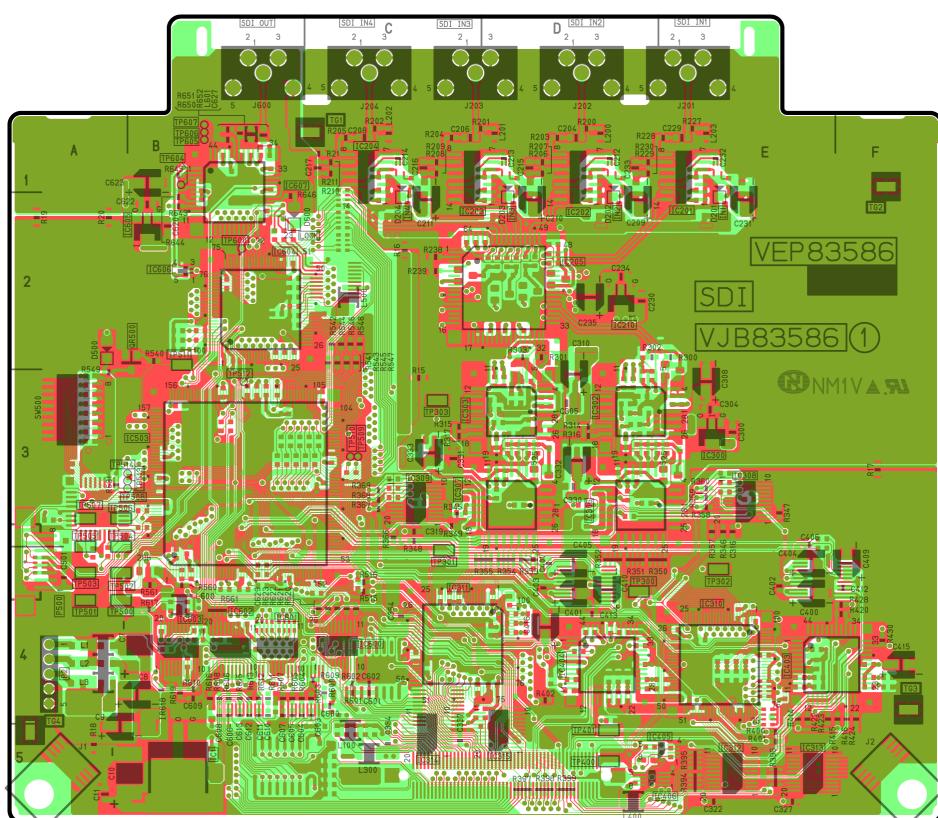
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(FOIL SIDE)

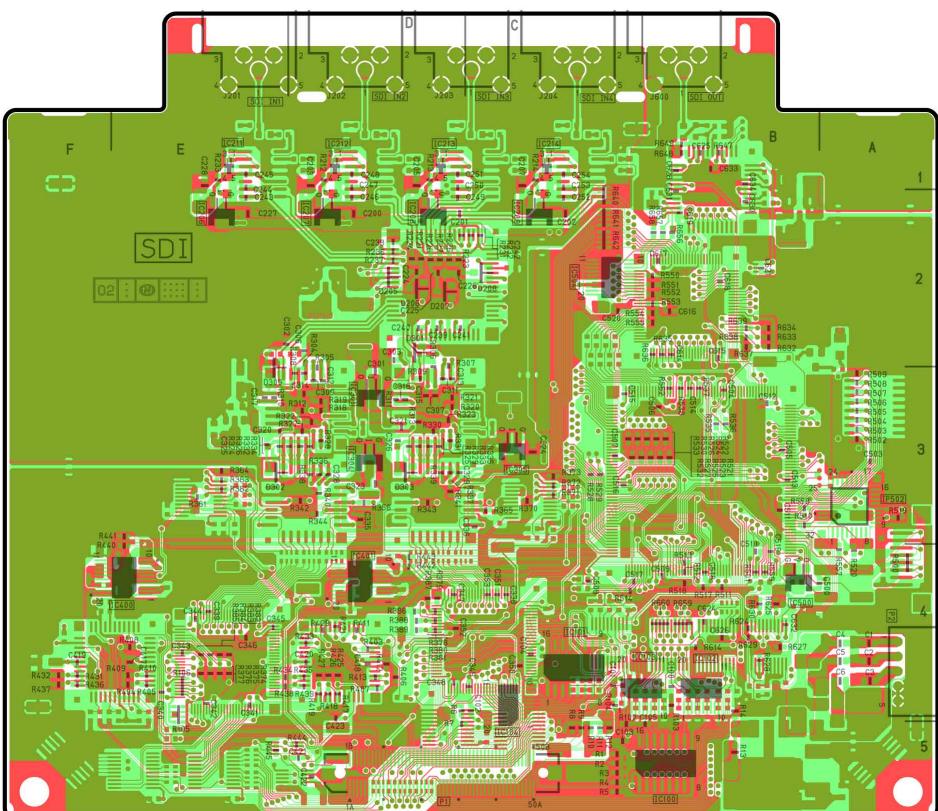
# AG-YA70P SDI P.C. BOARD (VEP83586B)

REF	LOC	REF	LOC
IC1	B5	P500	A4
IC201	E1	QR500	B2
IC202	D1	SW500	A3
IC203	C1	TG1	C1
IC204	C1	TG2	F1
IC205	D2	TG3	F4
IC210	D2	TG4	A5
IC300	E3	TP300	D4
IC302	D3	TP301	C4
IC303	D3	TP302	E4
IC306	D3	TP303	C3
IC307	D3	TP400	D5
IC308	E3	TP401	D5
IC309	C3	TP500	A4
IC310	E4	TP501	A4
IC311	C4	TP502	A4
IC312	E5	TP503	A4
IC313	E5	TP504	A4
IC314	C5	TP505	A4
IC315	D5	TP506	A3
IC403	E4	TP507	A3
IC404	D4	TP508	A3
IC405	D5	TP509	C3
IC406	D5	TP510	C3
IC503	B3	TP511	B2
IC600	C4	TP512	B3
IC601	B4	TP513	A3
IC602	B4	TP514	A3
IC603	B4	TP600	B2
IC604	B2	TP604	B1
IC605	B2	TP605	B1
IC606	B2	TP606	B1
IC607	B1	TP607	B1



(COMPONENT SIDE)

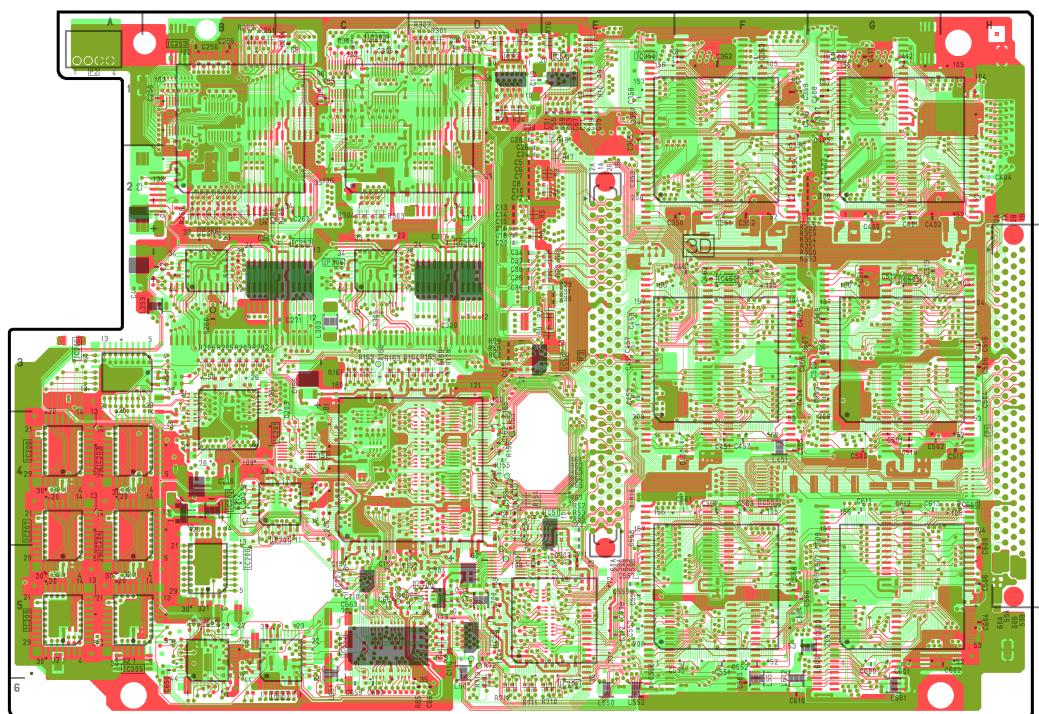
REF	LOC
IC100	B5
IC101	C4
IC102	B4
IC103	C4
IC104	C4
IC206	E2
IC207	D2
IC208	D2
IC209	C2
IC211	E1
IC212	D1
IC213	D1
IC214	C1
IC301	D3
IC304	D3
IC305	C3
IC400	E4
IC401	D4
IC500	B4
IC504	C2
P1	D5
P2	A4
IP502	A3



(FOIL SIDE)

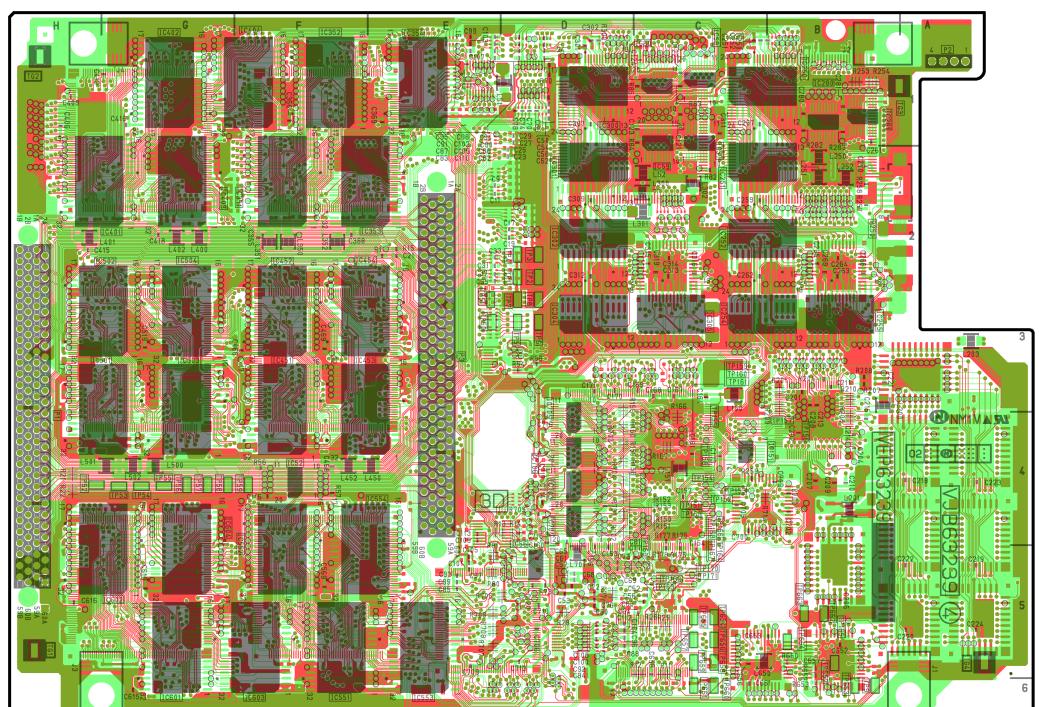
# AG-VE70P 3D P.C. BOARD (VEP63239A)

REF	LOC
IC50	D3
IC51	E4
IC53	D1
IC54	E1
IC55	D5
IC150	C4
IC200	B5
IC201	B4
IC202	B4
IC203	A4
IC204	A4
IC205	A5
IC206	A3
IC207	A4
IC208	A4
IC209	A5
IC253	B1
IC257	B2
IC303	C1
IC307	D2
IC350	E1
IC400	G1
IC450	F3
IC500	F3
IC550	F4
IC600	H4
IC652	C5
IC700	D5
IC702	E5
IC707	C5
IP256	B2
IP306	C2
IP650	B5
IP651	B6
IP701	C4
P1	H4
P2	A1
P3	E3



(COMPONENT SIDE)

REF	LOC	REF	LOC
IC52	F4	TP2	D2
IC56	D5	TP3	D2
IC57	C1	TP4	D2
IC58	C1	TP5	D2
IC59	C1	TP6	D2
IC60	C1	TP7	D2
IC151	C4	TP8	D2
IC250	C1	TP9	B6
IC251	C2	TP50	E2
IC252	C2	TP51	E2
IC254	C2	TP52	H4
IC255	B2	TP53	G4
IC280	B1	TP54	G4
IC281	B1	TP55	G4
IC300	D1	TP56	G4
IC301	D2	TP57	G4
IC302	D2	TP58	G4
IC304	D2	TP59	F4
IC305	C2	TP150	C4
IC351	F2	TP151	C4
IC352	F1	TP152	C4
IC353	E2	TP153	C4
IC354	E1	TP154	C4
IC401	H2	TP155	C4
IC402	G1	TP156	B4
IC403	G2	TP157	B4
IC404	F1	TP158	C4
IC451	F3	TP159	C4
IC452	F2	TP160	C4
IC453	E3	TP161	C4
IC454	E2	TP162	C5
IC501	H3	TP163	C5
IC502	H2	TP164	C5
IC503	G3	TP165	B5
IC504	G2	TP166	C5
IC551	F5	TP167	C5
IC552	F4	TP168	C5
IC553	E5	TP169	C5
IC554	E4	TP170	D5
IC601	G5	TP171	D5
IC602	H4	TP652	B5
IC603	F5	TP653	B6
IC604	G4	TP654	C5
IC703	D4	TP655	C5
IC704	D4	TP656	C5
IC705	D4	TP657	C5
IC706	D4	TP658	C5
P250	A2	TP659	C5
TG1	H5	TP660	C6
TG2	H1	TP661	C6
TG3	A1	TP662	B5
TG4	A5	TP663	B5
TP1	D2	TP664	B5



(FOIL SIDE)

# SECTION 7

## EXPLODED VIEWS & REPLACEMENT PARTS LISTS

Note:

1. \*Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS,  
all capacitors are in MICROFARADS ( $\mu$ F), P= $\mu\mu$ F.
3. The P.C. Board units marked with "■" shown below the main assembled parts.
4. The parts marked with  $\oplus$  on the exploded view show the electric parts.
5. **IMPORTANT SAFETY NOTICE**  
Components identified with the mark  $\triangle$  have the special characteristics for safety. When replacing any  
of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.  
After the discontinuation of this assembly in production, it will no longer be available.

## CONTENTS

AG-MX70 CHASSIS FRAME ASSEMBLY (1) .....	PRT-1
AG-MX70 CHASSIS FRAME ASSEMBLY (2) .....	PRT-3
AG-MX70 PACKING PARTS ASSEMBLY .....	PRT-5
AG-MX70 ELECTRICAL REPLACEMENT PARTS LIST .....	PRT-6
AG-YA70P PACKING PARTS ASSEMBLY .....	PRT-21
AG-YA70P ELECTRICAL REPLACEMENT PARTS LIST .....	PRT-22
AG-VE70P PACKING PARTS ASSEMBLY.....	PRT-24
AG-VE70P ELECTRICAL REPLACEMENT PARTS LIST .....	PRT-25

Components identified with the mark  $\Delta$  have the special characteristics for safety.  
When replacing any of these components, use only the same type.

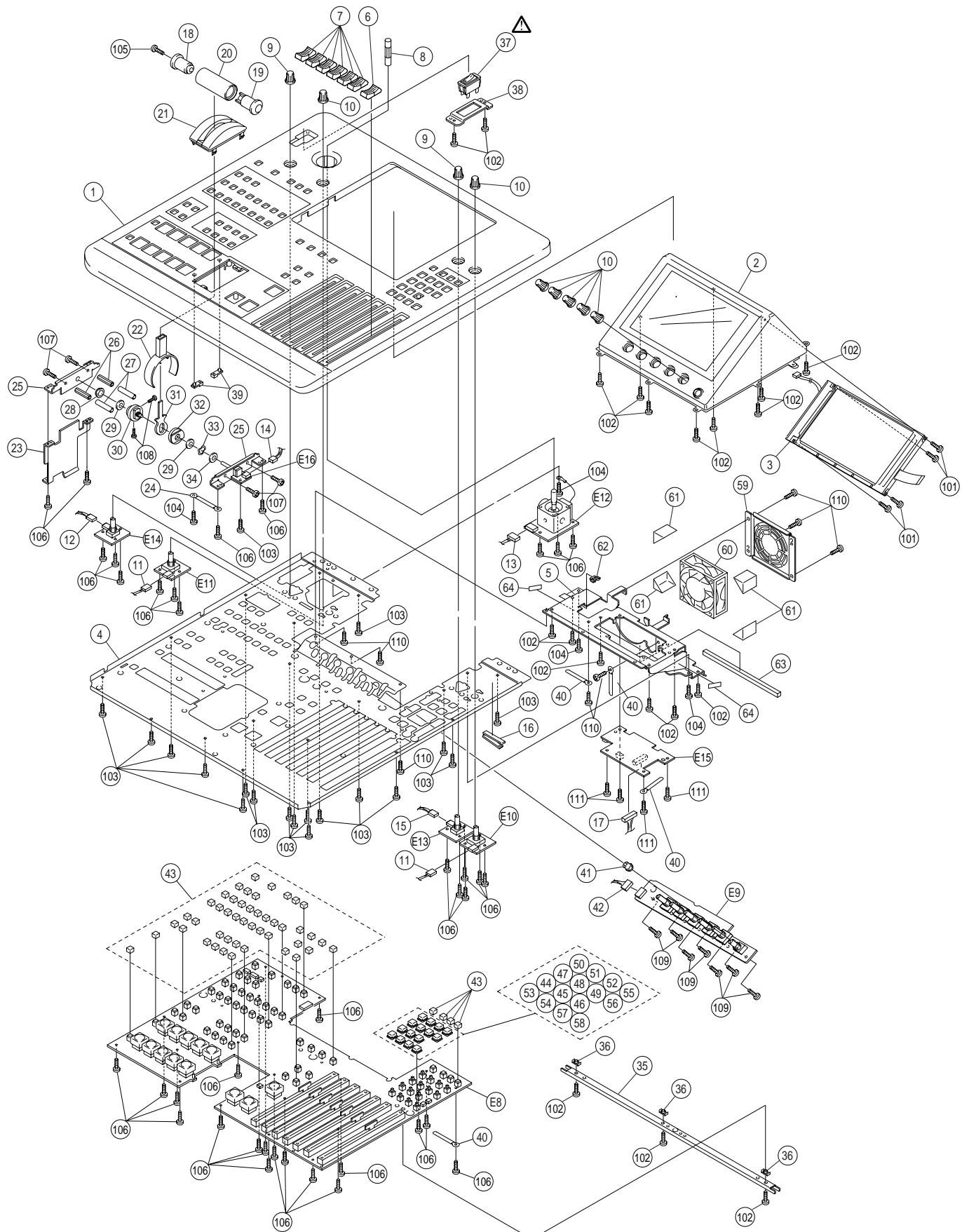
# AG-MX70 CHASSIS FRAME ASSEMBLY (1)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP8569	TOP CASE 1 ASS'Y	1	
2	VYP8660	LCD CASE 1 ASS'Y	1	
3	L5ADBNL00001	LCD	1	
4	VSC5370	SHIELD CASE TOP	1	
5	VMP7165	INVERTER ANGLE	1	
6	A5RB1060B3	FADER KNOB (RED)	1	
7	A5RA1060B3	FADEK KNOB (WHITE)	6	
8	V5RA0334A3	COLOR CORRECTOR KNOB	1	
9	V5RC0372A3	VR KNOB	2	
10	V5RD0372A3	VR KNOB	7	
11	VEE0S14	CABLE	2	
12	VEE0S15	CABLE	1	
13	VEE0S17	CABLE	1	
14	VEE0S23	CABLE	1	
15	VEE0S16	CABLE	1	
16	VJF1058	CABLE CLAMPER	1	
17	VWJ16F4150T1	FLAT CABLE	1	
18	VGU9109	FADER CAP A	1	
19	VGU9110	FADER CAP B	1	
20	VGU9111	FADER GLIP	1	
21	V5EA1150B3	FADER COVER	1	
22	V5EA1151A3	FADER LEVER COVER	1	
23	VMP7500	FADER ANGLE	1	
24	VEE2804	EARTH CABLE	1	
25	V2KA0778A4	FADER LEVER ANGLE	2	
26	MASB320	HEX SPACER	2	
27	V5GA0130A4	SILENCE SPACER	2	
28	V2NA0399B4	FADER SPACER	1	
29	V1KA0151A4	FADER WASHER (A)	2	
30	V4HA0192B3	FADER SHAFT	1	
31	V4RA0103A4	FADER LEVER	1	
32	V1FA0074A4	LOCK NUT	1	
33	V4JA0446A4	FADER SPACER	1	
34	V1KA0152A4	FADER WASHER (B)	1	
35	VMP7169	SUPPORT ANGLE	1	
36	VMX0699	PLATE SPACER	3	
$\Delta$ 37	KOAAKE000053	AC SWITCH	1	
38	VMP7161	AC SWITCH ANGLE	1	
39	V1SA0088A3	PANEL LIGHT	2	
40	VJF1443	CLAMPER	4	
41	VGU6509	VOLUME KNOB	1	
42	VEE0S18	CABLE	1	
43	VGU9106ZW	OPERATION BUTTON	50	
44	VGU9108A01	BUTTON (1)	1	
45	VGU9108A02	BUTTON (2)	1	
46	VGU9108A03	BUTTON (3)	1	
47	VGU9108A04	BUTTON (4)	1	
48	VGU9108A05	BUTTON (5)	1	
49	VGU9108A06	BUTTON (6)	1	
50	VGU9108A07	BUTTON (7)	1	
51	VGU9108A08	BUTTON (8)	1	
52	VGU9108A09	BUTTON (9)	1	
53	VGU9108A10	BUTTON (0)	1	
54	VGU9108A11	PERIOD BUTTON	1	
55	VGU9108A12	BUTTON (-)	1	
56	VGU9108A13	BUTTON (+)	1	
57	VGU9108A14	SHIFT BUTTON	1	
58	VGU9108A15	RETURN BUTTON	1	
59	VMP7167	FAN COVER	1	
60	VRF0194	FAN MOTOR	1	L6FALEDH0001
61	VMX3211	FAN CUSHION	4	
62	VJF1007	EDGE SADDLE	1	
63	VMT1302	SHIELD GASKET A	1	
64	VMT1304	SHIELD GASKET C	2	
101	XTV26+6G	SCREW	4	
102	XTV3+8G	SCREW	19	
103	XTN26+6J	SCREW	19	
104	XYN3+K6	SCREW	4	
105	XTB3+12GPZ	SCREW	1	
106	XTV3+8GFR	SCREW	37	
107	XSB3+8FZ	SCREW	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
108	XXE26D8FXK	SCREW	2	
109	XTN26+6GR	SCREW	7	
110	XTV3+6F	SCREW	8	
111	XTV3+6FFR	SCREW	4	
E8	VEP66449A	PANEL P.C.BORD	1	
E9	VEP60678A	ROTARY ENC P.C.BORD	1	
E10	VEP60681A	TIME ENC P.C.BORD	1	
E11	VEP60682A	Z ENC P.C.BORD	1	
E12	VEP60680A	COLOR-V P.C.BORD	1	
E13	VEP60683A	PHONE V P.C.BORD	1	
E14	VEP60684A	ASPECT V P.C.BORD	1	
E15	VEP60685A	LCD INV P.C.BORD	1	
E16	VEP60679A	TAKE-V P.C.BORD	1	

Components identified with the mark  $\Delta$  have the special characteristics for safety.  
When replacing any of these components, use only the same type.

## AG-MX70 CHASSIS FRAME ASSEMBLY (1)



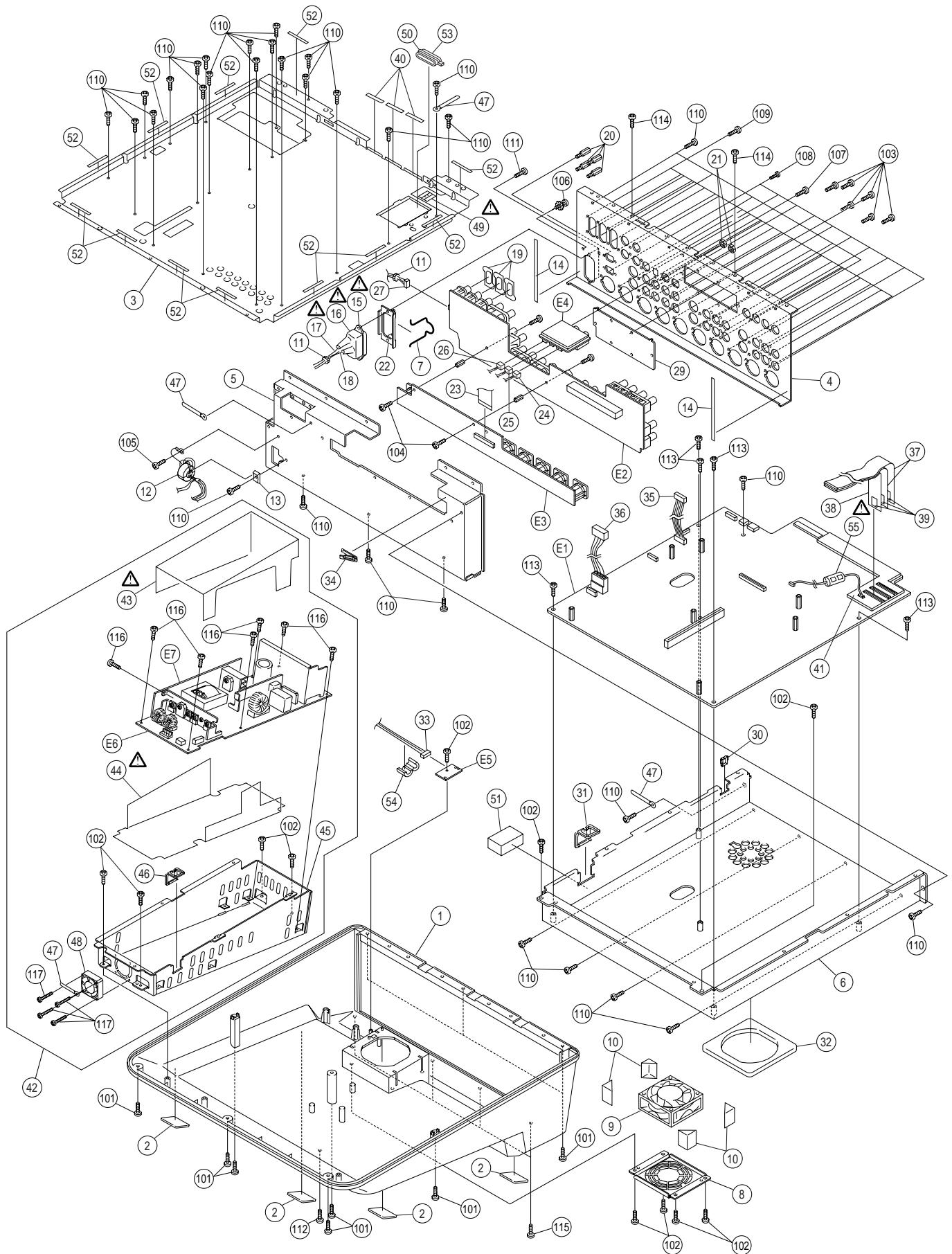
Components identified with the mark  $\Delta$  have the special characteristics for safety. When replacing any of these components, use only the same type.

## **AG-MX70 CHASSIS FRAME ASSEMBLY (2)**

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	VGQ6678	BOTTOM CASE	1	
2	VKA0078	RUBBER STAND	4	
3	VSC5353	MAIN CASE COVER	1	
4	VMP7164	TERMINAL PLATE	1	
5	VSC5372	TERMINAL COVER	1	
6	VSC5352	MAIN CASE	1	
7	VML2903	AC CORD HOOD	1	
8	VMP7167	FAN COVER	1	
9	VRF0194	FAN MOTOR	1	L6FALEDH0001
10	VMX3211	FAN CUSHION	4	
11	VJF1158	CLAMPER	2	
12	JOKG00000081	FERRITE CORE	1	
13	VMX3210	FERRITE BOARD	1	
14	VMT0905	GASKET	2	
△ 15	SJVD06	AC INLET	1	K2AH3H000010
△ 16	VMZ1252	AC INLET COVER	1	
△ 17	VEEOS24	CABLE	1	
18	VEE8828	CABLE	1	
19	VSCS5384	JACK SPACER	3	
20	VXQ0102	SCREW	4	K1YE50000008
21	XNS12FZ	HEX NUT	2	
22	VMP7168	AC IN ANGLE	1	
23	VWJ30F41110T1	FLAT CABLE	1	
24	VEEU23	CABLE	1	
25	VEEO821	CABLE	1	
26	VEEU22	CABLE	1	
27	VEE0S20	CABLE	1	
29	VMP7162A	BLINDER PLATE	1	
30	VJF1007	EDGE SADDLE	1	
31	VJF1259	EDGE HOLDER	1	
32	VGE0924	RECTIFIER CUSHION	1	
33	VEEOV02	CABLE	1	
34	VJF1058	CABLE CLAMPER	1	
35	VEE0S12	CABLE	1	
36	VEEOS13	CABLE	1	
37	VWJ22F4250T1	FLAT CABLE	2	
38	VWJ22F4300T1	FLAT CABLE	1	
39	VMZ3310	PLEX INSULATION BARRIER	3	
40	VMT0906	GASKET	3	
41	VEEW096	CABLE	1	
42	VEK9818	POWER ASS'Y	1	
△ 43	VMZ3251	POWER BARRIER TOP	1	
△ 44	VMZ3252	POWER BARRIER BOTTOM	1	
45	VSCS5350	POWER CASE	1	
46	VJF1259	EDGE HOLDER	1	
47	VJF1443	CLAMPER	3	
48	VRF0227	FAN MOTOR	1	L6FAHHAH0008
△ 49	VGQ1712	ANP BASE	1	
50	VJF1084	BND	1	
51	VMT1303	SHIELD GASKET B	1	
52	VMT1305	SHIELD GASKET D	12	
53	VLF1520	FERRITE CORE	1	
54	SPC3	FERRITE CORE	1	
△ 55	JOKG00000032	FERRITE CORE	1	
101	XTV3+10G	SCREW	9	
102	XTV3+8G	SCREW	11	
103	XTB3+6FZ	SCREW	6	
104	XYN3+K6	SCREW	2	
105	XYN4+E6VW	SCREW	1	
106	XYE4+EF8	SCREW	1	
107	XYN3+C6FZ	SCREW	1	
108	XSN26+6FZ	SCREW	10	
109	XTB3+8GFZ	SCREW	24	
110	XTV3+6F	SCREW	36	
111	XSB3+8FZ	SCREW	2	
112	XSB4+6FZS	SCREW	1	
113	XYN3+K6RS	SCREW	5	
114	XTV3+6GFZ	SCREW	2	
115	XTB3+8FZ	SCREW	4	
116	XYN3+F8	SCREW	7	
117	XSN3+16FZ	SCREW	4	

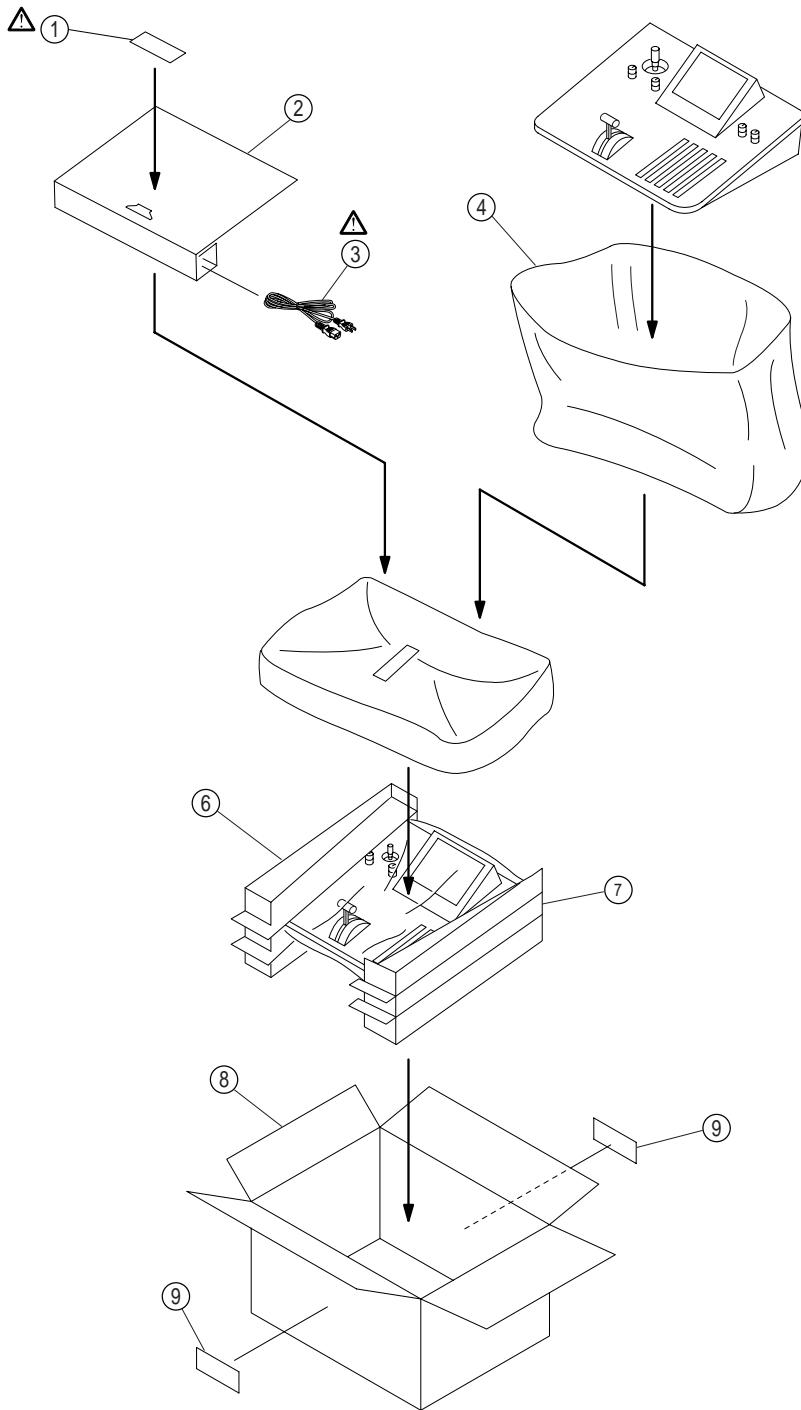
Components identified with the mark  $\Delta$  have the special characteristics for safety. When replacing any of these components, use only the same type.

## **AG-MX70 CHASSIS FRAME ASSEMBLY (2)**



Components identified with the mark  $\Delta$  have the special characteristics for safety. When replacing any of these components, use only the same type.

# AG-MX70 PACKING PARTS ASSEMBLY



Components identified with the mark  $\Delta$  have the special characteristics for safety. When replacing any of these components, use only the same type.

# AG-MX70 PACKING PARTS ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
▲ 1	VQT9857	OPERATING INSTRUCTIONS	1	FOR AG-MX70E
▲ 1	VQT9858	OPERATING INSTRUCTIONS	1	FOR AG-MX70MC
2	VPN5757	PAD	1	
▲ 3	VJA0746	POWER CODE	1	FOR AG-MX70E
▲ 3	VJA0738	POWER CODE	1	K2CT3DH00002 FOR AG-MX70E
▲ 3	K2CK3DH00003	POWER CODE	1	K2CK3DH00003 FOR AG-MX70MC
4	VPF0671	CUSHION	1	
6	VPN5755	CUSHION (R)	1	
7	VPN5756	CUSHION (L)	1	
8	VPG0P91	PACKING CASE	1	
9	VQL0A23	PACKING LABEL	2	FOR AG-MX70E
9	VQL9821	PACKING LABEL	1	FOR AG-MX70MC

# AG-MX70 ELECTRICAL REPLACEMENT PARTS LIST

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP66448B	MAIN P.C.BORD	1	(RTL)	C96	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
■	VEP64184A	A MUTE P.C.BORD	1	(RTL)FOR VEP66448B	C97	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
■	VEP83612A	GAIN SW P.C.BORD	1	(RTL)FOR VEP66448B	C110	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C111	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
■ E2	VEP60677A	I/O P.C.BORD	1	(RTL)	C112	EEUFC1V470	E.CAPACITOR 35V 47U	1	
					C113-19	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	7	
■ E3	VEP60676B	AUDIO I/O P.C.BORD	1	(RTL)	C130-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
					C133-36	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4	
■ E4	VEP60733A	USB MIC PHONE P.C.BORD	1	(RTL)	C137-39	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
					C140,41	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
■ E5	VEP60686B	FAN CONNECT P.C.BORD	1	(RTL)	C142,43	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
					C144,45	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
■ E6	VEP61294A-1	POWER MAIN P.C.BORD	1	(RTL)	C146	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
					C147	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
■ E7	VEP61295A	POWER SUB P.C.BORD	1	(RTL)	C148,49	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
					C150	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
■ E8	VEP66449A	PANEL P.C.BORD	1	(RTL)	C151	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
					C152-54	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	3	
■ E9	VEP60678A-1	ROTALY ENCODER P.C.BORD	1	(RTL)	C155-57	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
					C158-74	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	17	
■ E10	VEP60681A-1	TIME ENCODER P.C.BORD	1	(RTL)	C175,76	EEVHB1C220	E.CAPACITOR 16V 22U	2	
					C177,78	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
■ E11	VEP60682A-1	Z ENCODER P.C.BORD	1	(RTL)	C180	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
					C181	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
■ E12	VEP60680A	COLOR V P.C.BORD	1	(RTL)	C182-87	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	6	
					C188	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
■ E13	VEP60683A	PHONE V P.C.BORD	1	(RTL)	C189,90	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
					C191	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
■ E14	VEP60684A	ASPECT V P.C.BORD	1	(RTL)	C192,93	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
					C194	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
■ E15	VEP60685A	LCD INV P.C.BORD	1	(RTL)	C195,96	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
					C197	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
■ E16	VEP60679A	TAKE V P.C.BORD	1	(RTL)	C198,99	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
					C200	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
■ E1	VEP66448B	MAIN P.C.BORD	1	(RTL)	C201,02	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
■	VEP64184A	A MUTE P.C.BORD	1	(RTL)FOR VEP66448B	C203	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
■	VEP83612A	GAIN SW P.C.BORD	1	(RTL)FOR VEP66448B	C204,05	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
					C206	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
					C207,08	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
					C209	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
					C210-12	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
					C213	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C214-16	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
					C217	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
					C230	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
					C231	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C232,33	ECUX1H100CCV	C.CAPACITOR CH 50V 10P	2	
					C234	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
					C235-41	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	7	
					C242,43	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
					C244,45	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
					C246	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C247	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
					C248	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C249-57	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	9	
					C258	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C310	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
					C311-16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
					C340-42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
					C360	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C361,62	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
					C363	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C374	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
					C375	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C376	EEVHB1C220	E.CAPACITOR 16V 22U	1	
					C377	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
					C392	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
					C430-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
					C437	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C449	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C452	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
					C457	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C458	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
					C461	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
					C462	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C480,81	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		C876	EFCDOJ470R	E.CAPACITOR 6.3V 47U	1	
C482,83	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C877,78	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C484,85	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2		C880	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C486-93	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	8		C881,82	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C494-97	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4		C883	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C498-05	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	8		C884	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C506-09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4		C885	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C510-13	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	4		C886	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C520,21	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C887-95	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	9	
C540-51	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	12		C896	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C552	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C897	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C553	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C898	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C554	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1		C899,00	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C575	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1		C930-33	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4	
C582	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C934	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C583-87	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	5		C935	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C588	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1		C936	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C589-97	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	9		C937	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C599,00	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C938,39	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C602-07	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6		C942,43	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C608	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1		C946,47	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C645	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1		C948	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C652	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C950	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C653-57	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	5		C952-55	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C658	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1		C956-59	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C659-63	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	5		C960	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C664	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1		C962	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C665	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C964	ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
C666	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1		C969	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C667-69	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3		C971,72	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C671,72	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C974	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C674-79	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6		C975,76	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C680	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1		C977	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C711	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C978	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C712	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1		C979	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C713-20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	8		C980	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C721	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1		C981-89	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	9	
C722	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C990	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C723	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1		C991	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C724	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C992	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C725,26	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2		C993,94	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C727	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1050	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C750,51	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1051-53	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	3	
C770	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1054	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C771	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1		C1055	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C772-79	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	8		C1056	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C780	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1		C1057	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C781,82	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1058	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C783	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1		C1059	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C784	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		C1060	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C785	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1061	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C786	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		C1062	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C810,11	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1063	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C830,31	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		C1064,65	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C832,33	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1066	ECJ1C1H200J	C.CAPACITOR CH 50V 20P	1	
C834	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1		C1067	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C835	EEVHB1C100	E.CAPACITOR 16V 10U	1		C1068,69	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C836-39	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4		C1070	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C840	EEVHB1C100	E.CAPACITOR 16V 10U	1		C1071	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C841	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C1073	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C842	EEVHB1C100	E.CAPACITOR 16V 10U	1		C1075	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C843	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C1076	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C844,45	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1079,80	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C848,49	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2		C1081	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C852,53	EEVHB1C100	E.CAPACITOR 16V 10U	2		C1082,83	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C854	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C1084	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C856	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C1086	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C858-61	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4		C1087-90	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C862-65	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4		C1092	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C866	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C1093	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C868	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C1096	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C870	ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1		C1097	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C871	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C1110,11	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C873	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1113-17	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	5	
C875	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1160-74	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	15	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1175	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1		C1728	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1176-87	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	12		C1729-36	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	8	
C1270,,71	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1738,,39	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1272,,73	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	2		C1741,,42	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1274	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1		C1743	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C1275,,76	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	2		C1744	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1277-79	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3		C1745	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C1280,,81	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	2		C1747,,48	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C1282,,96	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	15		C1749,,50	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1310-12	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3		C1800	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1330	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1		C1801	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1331-38	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	8		C1802	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C1370-73	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4		C1803	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1390-94	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	5		C1804-15	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	12	
C1395	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		C1816	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1396	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1817	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C1397	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1		C1818	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1398-09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	12		C1819	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1490	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C1820-27	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	8	
C1493	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1829,,30	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1494	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	1		C1831	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C1495	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1832	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1496	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1		C1834,,35	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1498	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1		C1836,,37	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C1499,,00	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1838	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1503	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1839	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C1504	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C1841	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1505	ECUX1A105KBN	C.CAPACITOR CH 10V 1U	1		C1843	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1506	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C1845	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1509	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1847	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1520	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C1848,,49	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C1522	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1871	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1524,,25	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	2		C1873	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1526	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C1876,,77	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1527	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1878	ECUX1C273KBV	C.CAPACITOR CH 16V 0.027U	1	
C1532-34	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3		C1879	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1536-38	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3		C1880	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1562	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	1		C1881	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1563-65	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3		C1882	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1566	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C1883	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1568	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1884-87	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C1569	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C1888,,89	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1570	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	1		C1890,,91	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1571,,72	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2		C1892,,93	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1573	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1894	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1574	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C1895	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1580,,81	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		C1896-98	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C1582,,83	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1899,,00	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1584,,85	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	2		C1901	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1586-01	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	16		C1903	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1602-15	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	14		C1904	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1616	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C1920	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1617	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1921	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1618	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	1		C1922	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1619	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C1925	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1620	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1926	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1621	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	1		C1927	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1640,,41	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		C1928	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1642,,43	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1929	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1644,,45	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	2		C1930	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1646,,53	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	8		C1931	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C1658-61	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4		C1932,,33	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1700,,01	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		C1934,,35	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C1702,,03	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1951-54	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	4	
C1704	EEVHB1C220	E.CAPACITOR 16V 22U	1		C1955	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1705	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1956	EEOFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1706	EEVHB1C220	E.CAPACITOR 16V 22U	1		C1957-60	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C1707-09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3		C1965-68	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C1710,,11	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		C1969-72	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	4	
C1712,,13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1973-76	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C1714,,15	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		C1981,,82	EEOFCD1B220R	E.CAPACITOR 12.5V 22U	2	
C1716,,17	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C1983,,84	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1718	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1		C1985,,86	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	2	
C1719	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C1987	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1724-27	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4		C1988,,89	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1990, 91	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C2000	EEUEB1H100S	E.CAPACITOR 50V 10U	1	
C2030, 31	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C2032	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C2033	ECUXLH470JCV	C.CAPACITOR CH 50V 47P	1	
C2034	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C2035	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C2036	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C2037	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2038, 39	EEVHB1E101P	E.CAPACITOR 25V 100U	2	
C2040	ECUXLH470JCV	C.CAPACITOR CH 50V 47P	1	
C2041, 42	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C2043	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2044, 45	EEVHB1E101P	E.CAPACITOR 25V 100U	2	
C2046, 47	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C2048, 49	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C2050-53	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	4	
D1	MA147	DIODE	1	FOR VEP64184A
D2, D3	MA142WK	DIODE	2	FOR VEP64184A
D4, D5	MA142WA	DIODE	2	FOR VEP64184A
D6-D9	MA147	DIODE	4	FOR VEP64184A
D110	MA720	DIODE	1	
D130, 31	MA3J70000L	DIODE	2	
D362, 63	MA152A	DIODE	2	
D1050	M1MA151K	DIODE	1	
D1490	M1MA151K	DIODE	1	
PL830, 31	VLF1353	FILTER	2	
PL930, 31	VLF1353	FILTER	2	
PL1800-02	VLF1452	FILTER	3	
PL1950-53	VLF1452	FILTER	4	
IC1	COJBAA000014	IC	1	
IC2	COJBAB00200	IC	1	
IC3	COJBAB00608	IC	1	
IC4	MN13821-R	IC	1	
IC5	C2CBYH000002	IC	1	
IC6	COJBAB200084	IC	1	
IC7	TVHC27FT	IC	1	
IC9	TC7S04FU	IC	1	
IC50	COJBAA000146	VHC	1	
IC51	TC74VHC32F	IC	1	COJBAAE000081
IC52, 53	TVHC175FT	IC	2	
IC54	COJBAA000117	VHC	1	
IC55	COJBAN000098	VHC	1	
IC56	C3BBHG000066	IC	1	
IC57	COJBAN000098	VHC	1	
IC58, 59	COJBAP000223	VHC	2	
IC60	COJBAP000184	VHC	1	
IC61	C3BBHG000066	IC	1	
IC62	C3GBFC000001	IC	1	
IC80, 81	COJBAN00108	IC	2	
IC82	COJBAA000102	IC	1	
IC83	COJBAB000852	IC	1	
IC84, 85	COJBAB000531	IC	2	
IC86	COJBAB000852	IC	1	
IC87	IDT71V321L5F	IC	1	C3HBCC000023
IC88	C1DB0000761	IC	1	
IC110	C0DBCMD00002	IC	1	
IC111	C0ZBZ0000558	IC	1	
IC130	COJBAB2000606	IC	1	
IC131	SN75C1168NS	IC	1	
IC132	UPA2003GR	IC	1	B1HBGGF00001
IC133, 34	COJBAB000531	IC	2	
IC135	UPA2003GR	IC	1	B1HBGGF00001
IC136	UPD4722GS	IC	1	C12BZ0000622
IC137	AN79L07M	IC	1	
IC138	AN78L07M	IC	1	
IC139	COCBADD00003	IC	1	
IC140	TC4052BF	IC	1	
IC230	COJBAB000200	IC	1	
IC231	C1ZBZ0000246	IC	1	
IC232	TVHC175FT	IC	1	
IC233	C2DBYJ00001	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC310, 11	COJBAN000108	IC	2	
IC312	COJBAA000146	VHC	1	
IC313	C3BBHG000048	IC	1	
IC314	COJBAA000146	VHC	1	
IC315	C3BBHG000048	IC	1	
IC430	COJBAAE000135	IC	1	
IC431	COJBAB000852	IC	1	
IC432	COJBAP000315	IC	1	
IC433	TLCX245FT	IC	1	
IC480	XC62FP5002M	IC	1	
IC481	COCBBD00004	IC	1	
IC543-45	TC74HC4052AF	IC	3	
IC549-51	TC74HC4052AF	IC	3	
IC552	COCBBD00004	IC	1	
IC570	LT1086CM33	IC	1	
IC571	C1AB00001668	IC	1	
IC572	COJBAR000168	IC	1	
IC573	TC4W53FU	IC	1	
IC574	TC7S04FU	IC	1	
IC575	COJBAR000168	IC	1	
IC578, 79	COJBAZ000851	IC	2	
IC640	LT1086CM33	IC	1	
IC641	C1AB00001668	IC	1	
IC642	TC7S04FU	IC	1	
IC643	COJBAR000168	IC	1	
IC646, 47	COJBAZ000851	IC	2	
IC648	COJBAR000168	IC	1	
IC649	TC4W53FU	IC	1	
IC710	COJBAA000102	IC	1	
IC711	C1ZBZ0002057	IC	1	
IC712	LM1881MX	IC	1	C1AB00000179
IC728	COJBAA000102	IC	1	
IC750, 51	C3ABQG000045	IC	2	
IC770	C1ZBZ0002057	IC	1	
IC771	LM1881MX	IC	1	C1AB00000179
IC772	COJBAA000102	IC	1	
IC810, 11	C3ABQG000045	IC	2	
IC830	XC62FP5002M	IC	1	
IC831	COCBABA00002	IC	1	
IC832, 33	COABFB000012	IC	2	
IC836, 37	TC4W53FU	IC	2	
IC844	LT1086CM33	IC	1	
IC848, 49	COFBAP000042	IC	2	
IC850	COJBAP000168	IC	1	
IC852	COJBAR000168	IC	1	
IC854	NJU7064V	IC	1	
IC930, 31	COABFB000012	IC	2	
IC934, 35	TC4W53FU	IC	2	
IC946, 47	COFBAP000042	IC	2	
IC948	COJBAP000168	IC	1	
IC950	COJBAP000168	IC	1	
IC952	NJU7064V	IC	1	
IC1050	XC62FP5002M	IC	1	
IC1051	NQJ2246M	IC	1	C1AB00000413
IC1052	LM1881MX	IC	1	C1AB00000179
IC1054	COFBAP000042	IC	1	
IC1055	COJBAA000102	IC	1	
IC1110	COEBBE0000236	IC	1	
IC1160	C1ZBZ0002143	IC	1	
IC1270, 71	LT1086CM	IC	2	C0CBAYG00001
IC1310	C3ABQG000045	IC	1	
IC1311	C3HBC000008	IC	1	
IC1312	COJBAB000852	IC	1	
IC1330	C1ZBZ0002057	IC	1	
IC1370-73	C3ABQG000045	IC	4	
IC1393	C1ZBZ0002057	IC	1	
IC1396	COJBAB0000855	IC	1	
IC1397-00	TLCX245FT	IC	4	
IC1401	COZBZ0000363	IC	1	
IC1490	XC62FP5002M	IC	1	
IC1493	TC4W53FU	IC	1	
IC1494	COJBAB000220	IC	1	
IC1522, 23	ADV7123KST50	IC	2	C0FBBF000020
IC1561	ADV7123KST50	IC	1	C0FBBF000020
IC1562	LM2940S-5.0	IC	1	C0CBADG00007

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC1580	COCBADD00003	IC	1		L373, 74	J0JAD0000004	FILTER	2	
IC1581	COCBDB00004	IC	1		L375-80	VLF1315A102	FILTER	6	J0JHC0000015
IC1582, 83	C1AB00001609	IC	2		L430-32	VLP0364	CHIP INDUCTOR	3	
IC1584	COABBB000158	IC	1		L570	VLQ0319M2R2	COIL	2, 2UH	1
IC1586	COABBB000158	IC	1		L640	VLQ0319M2R2	COIL	2, 2UH	1
IC1587, 88	COCBBD80004	IC	2		L830-33	G1C101K00022	COIL	100UH	4
IC1640	COCBADD00003	IC	1		L835-39	G1C101K00022	COIL	100UH	5
IC1641	COCBDB00004	IC	1		L930-33	G1C101K00022	COIL	100UH	4
IC1642	COABBB000081	IC	1		L935-39	G1C101K00022	COIL	100UH	5
IC1646	COABBB000081	IC	1		L1050	VLQ0426J270	COIL	27UH	1 G1C270J00001
IC1650, 51	TC74HC4052AF	IC	2		L1051	VLQ0426J6R8	COIL	6, 8UH	1 G1C6R8J00006
IC1700, 01	C0CBAHA00002	IC	2		L1052	G1C101K00022	COIL	100UH	1
IC1702	COABBB00081	IC	1		L1053	VLQ0426J5R6	COIL	5, 6UH	1 G1C5R6J00005
IC1706-09	COABBA000053	IC	4		L1054	VLQ0426J220	COIL	22UH	1 G1C220J00007
IC1710	XC62FP5002M	IC	1		L1055, 56	G1C101K00022	COIL	100UH	2
IC1711, 12	C0FB AJ00004	IC	2		L1490, 91	G1C101K00022	COIL	100UH	2
IC1713, 14	TC4W53FU	IC	2		L1640-43	G1C101K00022	COIL	100UH	4
IC1800	XC62FP5002M	IC	1		L1700-06	G1C101K00022	COIL	100UH	7
IC1801	COABBA000053	IC	1		L1800-05	G1C101K00022	COIL	100UH	6
IC1802	COABBB000081	IC	1		L1870	NLC322522	COIL	1, 0UH	1 G1C1ROMA0001
IC1807, 08	C0FB AJ00004	IC	2		L1921	G1C101K00022	COIL	100UH	1
IC1871	COJBAA000102	IC	1		L1950-54	G1C101K00022	COIL	100UH	5
IC1872	COJB AF000223	VHC	1		L2030-33	G1C101K00022	COIL	100UH	4
IC1874	COJBAA000102	IC	1		P1	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055 FOR VEP64184A
IC1876	C2HBZL00001	IC	1		P130-32	K1MN22A00039	CONNECTOR	3	
IC1877	COJB AZ000852	IC	1		P133	K1KA03A00017	CONNECTOR (MALE)	1	
IC1878	COJBAA000102	IC	1		P360	VJP3454B096	CONNECTOR (MALE)	1	K1KA96B00021
IC1880	TC7S04FU	IC	1		P361	K1KA03A00017	CONNECTOR (MALE)	1	
IC1920	COCBADD00003	IC	1		P362	VJP2824A004	CONNECTOR (MALE)	1	K1KA04A00005
IC1922	C0FB BK00021	IC	1		P363	VJP3926A012	CONNECTOR (MALE)	1	K1KA12A00121
IC1923	C0FB BD000134	IC	1		P364	VJP3926B012	CONNECTOR (MALE)	1	K1KA12B00074
IC1950	COCBDB00004	IC	1		P365	VJS3423B030	CONNECTOR (FEMALE)	1	K1MN30B00027
IC1951	COABBB000081	IC	1		P366	VJP2981A005	CONNECTOR (MALE)	1	K1KA05A00180
IC1952	NJM79L09UA	IC	1	1 COCABBF00001	P410	K1KA04A00192	CONNECTOR (MALE)	1	
IC1953	NJM78L09UA	IC	1	1 COCBAHC00002	P411	K1KBC0A00043	CONNECTOR (FEMALE)	1	
IC1955	COABBA000053	IC	1		P430	K1KAA0A00043	CONNECTOR (MALE)	1	
IC1956	NJM4556AM	IC	1	1 COABBB000042	P431	K1KA05A00137	CONNECTOR (MALE)	1	
IC1958	NJM4556AM	IC	1	1 COABBB000042	P1110	K1FA108A0003	CONNECTOR (MALE)	1	
IC1959	COABBA000053	IC	1		P1111	K1KA04B00063	CONNECTOR (MALE)	1	
IC2030	NJM4556AM	IC	1	1 COABBB000042	P1112	VJP1243T	CONNECTOR (MALE)	3P	1 K1KA03B00012
IC2031	COABBB000184	IC	1		Q1	2SB1218A-R	TRANSISTOR	1	FOR VEP64184A
IC2034	NJM4556AM	IC	1	1 COABBB000042	Q1	B1CFDC000001	TRANSISTOR	1	FOR VEP83612A
IC2038	COJB AM00045	IC	1		Q2	2SB1218A-R	TRANSISTOR	1	FOR VEP64184A
IC2039	COABC A000038	IC	1		Q2	B1CFDC000001	TRANSISTOR	1	FOR VEP83612A
ID1	VVVS13893B	SOFTWARE	1		Q3	2SB1218A-R	TRANSISTOR	1	FOR VEP64184A
ID2	VVVS13894B	SOFTWARE	1		Q4-11	2SD1328	TRANSISTOR	8	FOR VEP64184A
ID1110	VVVS13865A	SOFTWARE	1		Q360	2SD601A-R	TRANSISTOR	1	
IP340	VSI3832A	IC	1		Q480-88	XP6401	TRANSISTOR-RESISTOR	9	
IP341	VSI3834	IC	1		Q490	XP6401	TRANSISTOR-RESISTOR	1	
IP342	VSI3833	IC	1		Q540	2SD1819A-R	TRANSISTOR	1	
IP1112-16	C1ZBZ0001555	IC	5		Q541, 42	XP0550100L	TRANSISTOR	2	
J360-64	VJR1095	LUG TERMINAL	5		Q543	2SD1819A-R	TRANSISTOR	1	
J410-13	VJR1095	LUG TERMINAL	4		Q544, 45	XP0550100L	TRANSISTOR	2	
J430, 31	VJR1095	LUG TERMINAL	2		Q570	2SK198-R	TRANSISTOR	1	2SK01980R
L80	VLF1315A102	FILTER	1	J0JHC0000015	Q660	2SK198-R	TRANSISTOR	1	2SK01980R
L110	VLQ0651L470	COIL	47UH	1 G1C470200003	Q830, 31	2SD1819A-R	TRANSISTOR	2	
L130	J0JAD0000004	FILTER	1		Q832, 33	2SC3130	TRANSISTOR	2	
L131, 32	VLF1315A102	FILTER	2	J0JHC0000015	Q836-41	2SD1819A-R	TRANSISTOR	6	
L133	VLP0399	COIL	1		Q930, 31	2SD1819A-R	TRANSISTOR	2	
L134	VLF1315A102	FILTER	1	J0JHC0000015	Q932, 33	2SC3130	TRANSISTOR	2	
L135	J0JJC0000006	FILTER	1		Q936-41	2SD1819A-R	TRANSISTOR	6	
L136	VLP0146	COIL	1		Q1050	2SB1218A0L	TRANSISTOR	1	
L137-40	J0JAD0000004	FILTER	4		Q1051, 52	2SD1819A-R	TRANSISTOR	2	
L360, 61	J0JJC0000006	FILTER	2		Q1580-82	2SD1819A-R	TRANSISTOR	3	
L362	VLF1315A102	FILTER	1	J0JHC0000015	Q1583	2SK198-R	TRANSISTOR	1	2SK01980R
L363	VLP0364	CHIP INDUCTOR	1		Q1584	2SD1819A-R	TRANSISTOR	1	
L364, 65	VLF1315A102	FILTER	2	J0JHC0000015	Q1585, 86	2SK198-R	TRANSISTOR	2	2SK01980R
L366, 67	J0JAD0000004	FILTER	2		Q1587, 88	2SD1819A-R	TRANSISTOR	2	
L368, 69	VLF1315A102	FILTER	2	J0JHC0000015	Q1589	2SK198-R	TRANSISTOR	1	2SK01980R
L370	J0JAD0000004	FILTER	1		Q1590	2SD1819A-R	TRANSISTOR	1	
L371, 72	VLF1315A102	FILTER	2	J0JHC0000015	Q1591	2SK198-R	TRANSISTOR	1	2SK01980R
					Q1592	2SD1819A-R	TRANSISTOR	1	
					Q1700, 01	2SD1819A-R	TRANSISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q1800	2SD1819A-R	TRANSISTOR	1		R130,31	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
Q1950-53	2SD1328	TRANSISTOR	4		R132,33	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
QR1	UNR521300L	TRANSISTOR	1	FOR VEP64184A	R134	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
QR130,31	UNR221300L	TRANSISTOR	2		R135	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
QR1870	UNR511P00L	TRANSISTOR	1		R136-39	EXBV8V103J	COMBI.R-R	10K	4
					R140,41	ERJ3GEYGI02	M.RESISTOR CH 1/16W 1K	2	
					R142-45	EXBV8V331J	COMBI.R-R	330	4
R1	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP64184A	R146	ERJ3GEYGI02	M.RESISTOR CH 1/16W 1K	1	
R1	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R147	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R1	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	FOR VEP83612A	R148	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP64184A	R149	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R2	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	FOR VEP83612A	R150	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP64184A	R151-53	EXBV8V331J	COMBI.R-R	330	3
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R154	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83612A	R155	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R4	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP64184A	R156	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R4	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	FOR VEP83612A	R157	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R230	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP64184A	R231	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R5	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	FOR VEP83612A	R232	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP64184A	R233	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		R235,36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	FOR VEP83612A	R237-41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	5	
R7	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R242	ERJ3GEYGI02	M.RESISTOR CH 1/16W 1K	1	
R7	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP64184A	R243	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R244	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R9	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R245	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R9,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	FOR VEP64184A	R246,47	EXBV8V331J	COMBI.R-R	330	2
R10	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1		R248	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A	R249	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R11	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R252	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R12	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A	R254	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R12	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1		R255	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A	R256	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R257	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A	R258	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R14	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R259	EXBV8V103J	COMBI.R-R	10K	1
R15	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A	R260	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R15	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R262	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A	R263,64	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R16	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R265,66	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R17	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		R267	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R18	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R268-81	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	14	
R19-28	EXBV8V103J	COMBI.R-R	10K	10	R282-95	EXBV8V103J	COMBI.R-R	10K	14
R29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R296	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R30,31	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2		R310,11	EXBV8V101J	COMBI.R-R	100	2
R32	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R312,13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R314-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	10	
R34	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1		R340,41	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R36	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R361	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R374	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R50,51	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2		R375	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R376	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R54	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R377	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R378	ERJ3GEY012	M.RESISTOR CH 1/16W 1K	1	
R60,61	EXBV8V331J	COMBI.R-R	330	2	R379	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R430,31	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R63	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R432,33	EXBV8V103J	COMBI.R-R	10K	2
R64-66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3		R434-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R67,68	EXBV8V331J	COMBI.R-R	330	2	R440-53	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	14	
R69,70	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		R454-57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R458	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR00000005
R81	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R480,81	EXBV8V104J	COMBI.R-R	100K	2
R82,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		R482,83	EXBV8V222J	COMBI.R-R	2.2K	2
R84-87	EXBV8V103J	COMBI.R-R	10K	4	R484,85	EXBV8V104J	COMBI.R-R	100K	2
R88	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R486,87	EXBV8V222J	COMBI.R-R	2.2K	2
R89-91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002	R488	EXBV8V104J	COMBI.R-R	100K	1
R92	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		R494	EXBV8V222J	COMBI.R-R	2.2K	1
R93	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1		R540-49	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	10	
R94	ERJ3GEYJ270	M.RESISTOR CH 1/16W 27	1		R550	EXBV8V470J	COMBI.R-R	47	1
R95	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1		R570-74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R96	ERJ3GEYJ270	M.RESISTOR CH 1/16W 27	1		R600	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R97	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R601	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R98	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R610	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R110	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R611	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R612	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1		R894	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R613-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4		R895	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R618	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R896, 97	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	2	
R619, 20	EXBV8V470J	COMBI.R-R	47	2	R898	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R624, 25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2		R899	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R640-44	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	5		R900	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R667	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R901	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R671	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1		R905	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R681	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R906	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R682	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R907, 08	ERJ3RED510	M.RESISTOR CH 1/16W 51	2	
R683, 84	EXBV8V470J	COMBI.R-R	47	2	R910-12	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	3	
R685	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R915	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R690, 91	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2		R916, 17	EXBV8V470J	COMBI.R-R	47	2
R696	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1		R918-20	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	3	
R710, 11	EXBV8V470J	COMBI.R-R	47	2	R930	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R712	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R931	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R713-22	EXBV8V470J	COMBI.R-R	47	10	R932	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R723	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R933	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R724	EXBV8V470J	COMBI.R-R	47	1	R934, 35	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R725-28	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4		R936, 37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R729-33	EXBV8V470J	COMBI.R-R	47	5	R938, 39	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	2	
R734, 35	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2		R940	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R736	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1		R941	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R737	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1		R942	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R738	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R943	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R770, 71	EXBV8V470J	COMBI.R-R	47	2	R944	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R772	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R945	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R773-82	EXBV8V470J	COMBI.R-R	47	10	R946, 47	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R783	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R952	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R784	EXBV8V470J	COMBI.R-R	47	1	R953	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R785-88	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4		R956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R789-91	EXBV8V470J	COMBI.R-R	47	3	R957	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R792, 93	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2		R958	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R794, 95	EXBV8V470J	COMBI.R-R	47	2	R959	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R796	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1		R960, 61	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
R797	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1		R964, 65	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R798	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1		R966, 67	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R799	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R968, 69	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R830	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1		R970, 71	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2	
R831	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1		R972, 73	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R832	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		R974, 75	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R833	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1		R977, 78	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R834, 35	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2		R979	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R836, 37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2		R980	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R838, 39	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	2		R982	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R840	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		R983	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R841	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R984	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R842	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		R985	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R843	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R986, 87	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R846, 47	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2		R988, 89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R852	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1		R990, 91	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R853	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R992	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R856	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R993	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R857	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1		R994	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R858	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R995	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R859	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1		R996	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R864	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1		R997	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R865	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1		R998	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R866, 67	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R999	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R868, 69	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2		R1000	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R870, 71	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2		R1001	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R872, 73	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2		R1005	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R874, 75	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2		R1006	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R877, 78	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2		R1007, 08	ERJ3RED510	M.RESISTOR CH 1/16W 51	2	
R879	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		R1010-12	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	3	
R880	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		R1015	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R882	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		R1016, 17	EXBV8V470J	COMBI.R-R	47	2
R883	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R1050-52	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	3	
R884	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		R1053	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R885	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R1054-56	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	3	
R886, 87	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2		R1057	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R888, 89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2		R1058	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R890, 91	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2		R1059, 60	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R892	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		R1061	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R893	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1		R1062	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1063	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1		R1419, 20	EXBV8V470J	COMBI.R-R	47	2
R1064, 65	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	2		R1421-40	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	20	
R1066	ERJ3GEYJ621	M. RESISTOR CH 1/16W 620	1		R1441	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R1067	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1		R1442, 43	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2	
R1068, 69	ERJ3RBD102	M. RESISTOR CH 1/16W 1K	2		R1444	ERJ3GEY102	M. RESISTOR CH 1/16W 1K	1	
R1070	ERJ3RBD132	M. RESISTOR CH 1/16W 1.3K	1		R1445	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1071	ERJ3GEYJ750	M. RESISTOR CH 1/16W 75	1		R1446	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R1072	ERJ3GEYU684	M. RESISTOR CH 1/16W 680K	1		R1447	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1073	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1		R1448	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R1077	ERJ3GEYJ201	M. RESISTOR CH 1/16W 200	1		R1449	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1078, 79	EXBV8V470J	COMBI.R-R	47	2	R1451	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1080	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1		R1453	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1110	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002	R1455	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1111	DIH810240001	COMBI.R-R	1K	1	R1457	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1112-15	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	4		R1459	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1116-18	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	3	D0GB103JA002	R1462, 63	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2	
R1119, 20	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	2		R1465-72	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	8	
R1121	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1		R1473, 74	EXBV8V470J	COMBI.R-R	47	2
R1160, 61	EXBV8V470J	COMBI.R-R	47	2	R1475, 76	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2	
R1162	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1		R1478	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1163	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002	R1483	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R1166-70	EXBV8V470J	COMBI.R-R	47	5	R1492	ERJ3GEYJ162	M. RESISTOR CH 1/16W 1.6K	1	
R1173	EXBV8V470J	COMBI.R-R	47	1	R1493	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
R1176	EXBV8V470J	COMBI.R-R	47	1	R1494	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R1179, 80	EXBV8V470J	COMBI.R-R	47	2	R1496	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	1	
R1186	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1		R1499, 00	ERJ3GEYJ621	M. RESISTOR CH 1/16W 620	2	
R1188	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1		R1503	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R1198-03	EXBV8V470J	COMBI.R-R	47	6	R1504	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R1204	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1		R1505	ERJ3GEYJ220	M. RESISTOR CH 1/16W 22	1	
R1205-10	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	6		R1507	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R1211-18	EXBV8V470J	COMBI.R-R	47	8	R1508	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R1220, 21	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2		R1509	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R1222-25	EXBV8V470J	COMBI.R-R	47	4	R1522	ERJ3RBD202	M. RESISTOR CH 1/16W 2K	1	
R1226-28	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	3		R1523	ERJ3RBD681	M. RESISTOR CH 1/16W 680	1	
R1229-36	EXBV8V470J	COMBI.R-R	47	8	R1524	ERJ3RBD181	M. RESISTOR CH 1/16W 180	1	
R1237	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1		R1525	ERJ3RBD111	M. RESISTOR CH 1/16W 110	1	
R1238-51	EXBV8V470J	COMBI.R-R	47	14	R1526	ERJ3RBD181	M. RESISTOR CH 1/16W 180	1	
R1270	ERJ6RBD101	M. RESISTOR CH 1/10W 100	1		R1527	ECUX1H100CCV	C. CAPACITOR CH 50V 10P	1	
R1271	ERJ6RED470	M. RESISTOR CH 1/10W 47	1		R1530	ERJ3RBD181	M. RESISTOR CH 1/16W 180	1	
R1272	ERJ6RBD101	M. RESISTOR CH 1/10W 100	1		R1531	ERJ3RBD111	M. RESISTOR CH 1/16W 110	1	
R1273	ERJ6RED470	M. RESISTOR CH 1/10W 47	1		R1532	ERJ3RBD181	M. RESISTOR CH 1/16W 180	1	
R1274	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R1533	ECUX1H100CCV	C. CAPACITOR CH 50V 10P	1	
R1275	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1		R1536, 37	ERJ3RBD181	M. RESISTOR CH 1/16W 180	2	
R1276	ERJ6RBD101	M. RESISTOR CH 1/10W 100	1		R1538	ERJ3RBD151	M. RESISTOR CH 1/16W 150	1	
R1277	ERJ6RED470	M. RESISTOR CH 1/10W 47	1		R1539	ECUX1H100CCV	C. CAPACITOR CH 50V 10P	1	
R1278	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1		R1561	ERJ3RBD561	M. RESISTOR CH 1/16W 560	1	
R1279	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1		R1562	ERJ3RBD181	M. RESISTOR CH 1/16W 180	1	
R1311	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R1563	ERJ3RBD111	M. RESISTOR CH 1/16W 110	1	
R1312, 13	EXBV8V470J	COMBI.R-R	47	2	R1565	ERJ3RBD181	M. RESISTOR CH 1/16W 180	1	
R1316	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1		R1566	ERJ3RBD111	M. RESISTOR CH 1/16W 110	1	
R1318	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1		R1580-82	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	3	
R1330-43	EXBV8V470J	COMBI.R-R	47	14	R1583-85	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	3	
R1344	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1		R1586	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R1345, 46	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2		R1587	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1347-49	EXBV8V470J	COMBI.R-R	47	3	R1588	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R1350, 51	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2		R1589	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R1352-54	EXBV8V470J	COMBI.R-R	47	3	R1590	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1356	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1		R1591	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R1357	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1		R1592	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1390-99	EXBV8V470J	COMBI.R-R	47	10	R1593, 94	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	2	
R1401	ERJ3GEYJ202	M. RESISTOR CH 1/16W 2K	1		R1595	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R1402, 03	EXBV8V470J	COMBI.R-R	47	2	R1596	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1404	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1		R1597	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R1405	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1		R1598-11	ERJ6RED750	M. RESISTOR CH 1/10W 75	14	
R1406	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1		R1612-25	ERJ3RBD222	M. RESISTOR CH 1/16W 2.2K	14	
R1407	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1		R1626	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R1408, 09	EXBV8V470J	COMBI.R-R	47	2	R1627	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R1410, 11	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2		R1628	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1412	EXBV8V470J	COMBI.R-R	47	1	R1640-43	ERJ6RBD223	M. RESISTOR CH 1/10W 22K	4	
R1413	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1		R1648-55	ERJ3RBD243	M. RESISTOR CH 1/16W 24K	8	
R1414	EXBV8V470J	COMBI.R-R	47	1	R1656-63	ERJ3RBD332	M. RESISTOR CH 1/16W 3.3K	8	
R1415	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002	R1664-67	ERJ6RBD223	M. RESISTOR CH 1/10W 22K	4	
R1416	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1		R1672-79	ERJ3RBD243	M. RESISTOR CH 1/16W 24K	8	
R1417	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002	R1680-87	ERJ3RBD332	M. RESISTOR CH 1/16W 3.3K	8	
R1418	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1		R1688, 89	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1700	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		R1802	ERJ6RBD362	M.RESISTOR CH 1/10W 3.6K	1	
R1701	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1		R1803	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R1702	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		R1804	ERJ6RBD362	M.RESISTOR CH 1/10W 3.6K	1	
R1703	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1		R1805	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R1704,05	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2		R1806,07	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R1706-09	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4		R1808	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1710	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1809	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R1711,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2		R1810	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1713,14	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	2		R1811	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R1715	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1812	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R1716	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1813	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R1717	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1814	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R1718	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1815	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1719	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1816	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R1720,21	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2		R1817	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R1722,23	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2		R1818	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1724,25	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2		R1819	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1726	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1820	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1727	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1821	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R1728	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1822	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1729	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1823	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1730	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1824	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R1731	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		R1825	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1732	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1826,27	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R1733	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		R1828,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1734	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1830	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R1735	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1832	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R1736	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1		R1835	ERJ8GEYOR00	M.RESISTOR CH 1/8W 0	1	
R1737	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1840	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R1738	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		R1851,52	ERJ3RBD131	M.RESISTOR CH 1/16W 130	2	
R1739	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1853-56	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	4	
R1740	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1		R1870	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1741	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1871	ERDS2TJ473	C.RESISTOR 1/4W 47K	1	D0AE473JA045
R1742	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		R1874	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1743	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1		R1876	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1744	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1877	EXBV8V470J	COMBI.R-R	47	1
R1745	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1		R1878	ERJ3GEY102	M.RESISTOR CH 1/16W 1K	1	
R1746	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1879	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0QB103JA002
R1747,48	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2		R1880,81	EXBV8V470J	COMBI.R-R	47	2
R1749,50	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	2		R1882	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R1751	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1		R1883	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1752	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1950-53	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R1753	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1		R1954-57	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	4	
R1754	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1958-61	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R1755	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1974	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R1756	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R1975	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1757	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1976	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R1758	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1		R1977	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1759	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1978,79	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
R1760	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R1980	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1761	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1981	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R1762	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1		R1982,83	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R1763	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R1984	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R1764	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1985	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1765	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R1986	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R1766	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1987	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R1767	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		R1988	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1768	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		R1989	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R1769	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		R1990	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1770	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		R1991,92	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R1771	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R1993,94	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R1772	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R1995,96	ERJ3RBD361	M.RESISTOR CH 1/16W 360	2	
R1773	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		R1997,98	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	2	
R1774	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		R1999,00	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	2	
R1775	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R2001,02	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R1776	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R2003	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R1777	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		R2005	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R1778	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		R2007	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R1779	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R2009	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R1780	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R2011-14	ERJ3GEVG102	M.RESISTOR CH 1/16W 1K	4	
R1781	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1		R2015	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1782	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R2016	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R1783,84	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2		R2017	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1785,86	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2		R2018	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R1800,01	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2		R2019	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2020	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2021	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2022	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2023	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R2024	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R2025	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R2026	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2027,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2029	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R2031	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2033	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2036	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2038	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2039,40	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R2042,43	ERJ6RED470	M.RESISTOR CH 1/10W 47	2	
R2044,45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R2051	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2053	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2056	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2058	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2059,60	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R2062,63	ERJ6RED470	M.RESISTOR CH 1/10W 47	2	
R2064,65	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R2070,71	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R2072,73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2074,75	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R2080	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2081	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2083	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2084-88	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	5	
R2089-92	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	4	
R2093-96	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R2097-99	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R2100,01	ERJ6RBD912	M.RESISTOR CH 1/10W 9.1K	2	
TG1	EYF6CU	TEST POINT	1	
TG4	EYF6CU	TEST POINT	1	
TG110	EYF6CU	TEST POINT	1	
TG137	EYF6CU	TEST POINT	1	
TG311	EYF6CU	TEST POINT	1	
TG360	EYF6CU	TEST POINT	1	
TG480	EYF6CU	TEST POINT	1	
TG1580	EYF6CU	TEST POINT	1	
TG1640	EYF6CU	TEST POINT	1	
△ TH110	K0ZZ00000231	SWITCH	1	
TP52	EYF6CU	TEST POINT	1	
TP134-36	EYF6CU	TEST POINT	3	
TP230	EYF6CU	TEST POINT	1	
TP570	EYF6CU	TEST POINT	1	
TP582	EYF6CU	TEST POINT	1	
TP647	EYF6CU	TEST POINT	1	
TP770	EYF6CU	TEST POINT	1	
TP1177	EYF6CU	TEST POINT	1	
TP1393	EYF6CU	TEST POINT	1	
TP1490	EYF6CU	TEST POINT	1	
TP1871,72	EYF6CU	TEST POINT	2	
VR130,31	EVM7JGA00B52	V.RESISTOR	500	2
VR1490	EVM7JGA00B53	V.RESISTOR	5K	1
VR1520-25	EVM7JGA00B22	V.RESISTOR	200	6
VR1560,61	EVM7JGA00B22	V.RESISTOR	200	2
X80	H0J600400012	CRYSTAL OSCILLATOR	1	
X230	H0J368500014	CRYSTAL OSCILLATOR	1	
X640	H0J245500014	CRYSTAL OSCILLATOR	1	
X1490	H1C2705B0012	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
VMS4924	POST		5	
VMX2998	SPACER		2	
YXN3+K6	SCREW		7	
VEE0W06	A MUTE CABLE		1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
■ E2	VEP60677A	I/O P.C. BOARD	1	(RTL)
J1,J2	K1QBB2AA0005	CONNECTOR	2	
J3	K1QBB3AA0003	CONNECTOR	1	
J4	K4BA04A00002	TERMINAL	1	
J5	K1QBB2AA0003	CONNECTOR	1	
J6	K4BA04A00002	TERMINAL	1	
J7	K1QBB3AA0003	CONNECTOR	1	
J8	K4BA04A00002	TERMINAL	1	
J9	K1QBB3AA0003	CONNECTOR	1	
J10	K4BA04A00002	TERMINAL	1	
J11,12	K1QBB2AA0005	CONNECTOR	2	
J13	K4BA04A00002	TERMINAL	1	
J14,15	K1QBB2AA0005	CONNECTOR	2	
J16	K4BA04A00002	TERMINAL	1	
J17	K1QBB2AA0004	MKR(P2430)	1	
J18	K1QBB3AA0003	CONNECTOR	1	
J19-21	YWT6819AABB	CONNECTOR	3	
L4-13	VLF1315A102	FILTER	10	J0JHC0000015
P1	VJS3814	CONNECTOR (FEMALE)	1	K1KB96A00037
P2	VJP3926B012	CONNECTOR (MALE)	1	K1KA12B00074
P5,P6	VJP3414A009	CONNECTOR (MALE)	2	K1FB109A0016
R1-25	ERJ6RED750	M.RESISTOR CH 1/10W	75	25
SW1	K0D142A00023	SWITCH	1	
		MISCELLANEOUS		
	VMX2020	P.C. BOARD POST	2	K9ZZ00000689
	VMP5301	D SUB HOLDER ANGLE	2	
	VSC5248	EARTH ANGLE	6	
	YXN3+K6	SCREW	2	
■ E3	VEP60676B	AUDIO I/O P.C. BOARD	1	(RTL)
C1001-10	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	10	
C1035-50	ECA1HHG330	E.CAPACITOR 50V 33U	16	
J1001,02	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J1003-10	K1AB103A0007	CONNECTOR (MALE)	8	
L1001-20	VLF1315A102	FILTER	20	J0JHC0000015
P1001	VJS2582B030	CONNECTOR (FEMALE)	1	
R1003,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1008,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1011	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1013	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1015	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1019	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1021	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1025	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1027	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1033	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1035	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1037	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R1039	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R1045	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1047	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1049	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1051	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1053	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1055	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1057	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1059	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
■ E4	VEP60733A	USB MIC PHONE P.C. BOARD	1 (RTL)	
C1	EEUFC1H220	E.CAPACITOR 50V 22P	1	
C2, C3	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C6, C7	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
I1	NJM4565MD	IC	1	C0ABBB000120
J1	K2HB103B0023	JACK	1	
J2	K2HB103B0024	JACK	1	
J3	K1FA104B0015	CONNECTOR (MALE)	1	
P1	K1KA04B00063	CONNECTOR (MALE)	1	
P2	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P3	VJP2981A005	CONNECTOR (MALE)	1	K1KA05A00180
R2	ERJ3RBD202	M. RESISTOR CH 1/16W 2K	1	
R3	ERJ3RBD163	M. RESISTOR CH 1/16W 16K	1	
R4	ERJ6RBD202	M. RESISTOR CH 1/10W 2K	1	
R5, R6	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	
R7	ERJ3RBD202	M. RESISTOR CH 1/10W 2K	1	
R8	ERJ3RBD203	M. RESISTOR CH 1/16W 20K	1	
R9-11	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	3	
		MISCELLANEOUS		
	VSC5373	JACK COVER BOTTOM	1	
	VSC5375	H/P COVER	2	
	VMZ3309	H/P INSULATION BARRIER	1	
■ E5	VEP60686B	FAN CONNECT P.C. BOARD	1 (RTL)	
P1101	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P1102	K1KA03A00017	CONNECTOR (MALE)	1	
■ E6	VEP61294A	POWER MAIN P.C. BOARD	1 (RTL)	
△ C1001	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
△ C1002, 03	VCK0262M102A	C.CAPACITOR 1000P	2	F1BAH1020001
△ C1004	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
△ C1006	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
C1007	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1008	EEUEB1H221B	E.CAPACITOR 50V 220U	1	
C1009	ECQE2W225KC	P.CAPACITOR 450V 2.2U	1	
C1010	VCK0106K101	C.CAPACITOR 100P	1	
C1012	ECEC2WB181CB	E.CAPACITOR 450V 180U	1	
C1013	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	
△ C1014, 15	F1BAH101A001	C.CAPACITOR 100P	2	
C1101	VCK0106K101	C.CAPACITOR 100P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1102	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1103	ECQE6473KF	C.CAPACITOR 1000P	1	
C1104	EEUEB1H470B	E.CAPACITOR 50V 47U	1	
△ C1105	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1106-08	ECQE6473KF	C.CAPACITOR 1000P	3	
C1109	VCK0106K471	C.CAPACITOR 470P	1	
C1110-12	ECQE6473KF	C.CAPACITOR 1000P	3	
C1113	VCK0106K471	C.CAPACITOR 470P	1	
C1114, 15	EEUFC1H212L	E.CAPACITOR 50V 120U	2	
C1116	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1117, 18	EEUFC1C681	E.CAPACITOR 16V 680U	2	
C1120, 21	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	2	
C1122	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1123, 24	ECALEHG101	E.CAPACITOR 25V 100U	2	
C1125	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1126	ECA1EHG101	E.CAPACITOR 25V 100U	1	
C1127	ECA1CHG101	E.CAPACITOR 16V 100U	1	
C1129-31	ECA1CHG101	E.CAPACITOR 16V 100U	3	
C1132-35	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4	
C1136-38	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	3	
C1139	ECA1CHG221	E.CAPACITOR 16V 220U	1	
C1140, 41	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	2	
C1201	ECA1CHG101	E.CAPACITOR 16V 100U	1	
C1204	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1206	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1207	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
D1001	RBV606	DIODE	1	
D1002-04	SFPL-52	DIODE	3	
D1005	FNL-G26S	DIODE	1	
D1006, 07	MA3200-M	DIODE	2	
D1101	MA3270-M	DIODE	1	
D1102	AP01C	DIODE	1	B0HADV000010
D1103	SFPL-52	DIODE	1	
D1104	AP01C	DIODE	1	B0HADV000010
△ D1105	RC3B2	DIODE	1	
D1106	SFPL-52	DIODE	1	
D1110	SFPL-52	DIODE	1	
D1111-13	SFPB-64V	DIODE	3	B0JCMEM000027
D1114	SFPL-52	DIODE	1	
D1115	BOHCMM000011	DIODE	1	
D1116	FMLG22S	DIODE	1	
D1117	BOHCMM000011	DIODE	1	
D1118, 19	FMB-24H	DIODE	2	
D1120	MA152K	DIODE	1	
D1203	MA152WA	DIODE	1	
D1204	MA152WK	DIODE	1	
D1205	MA152WA	DIODE	1	
D1206, 07	MA3075-M	DIODE	2	
D1208	MAZ30910ML	DIODE	1	
D1209	MA3160-M	DIODE	1	
D1210, 11	MA152WK	DIODE	2	
D1212	MA152WA	DIODE	1	
D1213	MA3160-M	DIODE	1	
D1214-16	MA152K	DIODE	3	
D1221, 22	MA3270-M	DIODE	2	
△ F1001	VSF0106C25H	FUSE	1	
△ F1002	VSF0246	FUSE	1	
FH1001, 02	EYF52BC	FUSE HOLDER	2	
IC1101	UPC2412AHF	IC	1	C0CAAKG00005
IC1102	AN79N12	IC	1	
IC1103	CODAEZH00003	IC	1	
IC1201	UPC1093J	IC	1	CODAEMC00002
JP1001-03	VJR1008	EARTH LUG	3	
JP1101-03	VJR1008	EARTH LUG	3	
△ L1001, 02	ELF21N015A	FILTER	2	
L1003	GOA102K00002	COIL	1000UH	1
L1008, 09	VLP0336	FERRITE CORE	2	
L1101, 02	VLP0083	COIL	22UH	2
L1108	VLQ0655K220	COIL	22UH	1

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L1111, 12	GOA100J00003	COIL 10UH	2	
L1113, 14	GOA600L00004	COIL 60UH	2	
L1115	VLQ0826K151	COIL 150UH	1	
L1116	VLQ0826K331	COIL 330UH	1	
L1201	VLQ0319K100	COIL 10UH	1	G1C100K00023
L1202	GOA100J00003	COIL 10UH	1	
P1001	VJP3878	CONNECTOR (MALE)	1	K1KA02B00137
P1002	VJP3042G012W	CONNECTOR (MALE)	12P	K1KA12A00136
P1101	VJP3042G010W	CONNECTOR (MALE)	1	K1KA10A00204
P1103	VJP3926A012	CONNECTOR (MALE)	1	K1KA12A00121
P1104	VJP2824A004	CONNECTOR (MALE)	1	K1KA04A0005
P1105	VJP3042G010W	CONNECTOR (MALE)	1	K1KA10A00204
P1106	VJP1243T	CONNECTOR (MALE)	3P	K1KA03B00012
Q1001	TM1661S-L	DIODE	1	
Q1002	B1DEGR000013	TRANSISTOR	1	
Q1101	B1DEFV00001	TRANSISTOR	1	
Q1102	2SD601A-R	TRANSISTOR	1	
Q1202, 03	XN0440100L	TRANSISTOR	2	
Q1204	XN4501	TRANSISTOR-RESISTOR	1	
Q1205	2SD601A-R	TRANSISTOR	1	
QR1101	UN2211	TRANSISTOR-RESISTOR	1	
QR1202	UN2113	TRANSISTOR-RESISTOR	1	
△ R1001	ERC12AGM334C	S. RESISTOR 1/2W 33K	1	
R1003, 04	ERJ12YJ683	M. RESISTOR CH 1/2W 63K	2	
△ R1005	ERU5TEJ100	F. RESISTOR 5W 10	1	
R1006-09	ERJ12YJ683	M. RESISTOR CH 1/2W 63K	4	
R1010	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R1011	ERG2SJ121	M. RESISTOR 2W 120	1	
R1012	ERJ12YJ3R3	M. RESISTOR CH 1/2W 3.3	1	
R1013	ERG2SJ121	M. RESISTOR 2W 120	1	
R1014	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R1015	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	DOYDR0000005
R1016	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R1017	ERX2SJ22	M. RESISTOR 2W 0.22	1	
R1018	ERJ14YJ100	M. RESISTOR CH 1/4W 10	1	
R1019	ERG2SJ220	M. RESISTOR 2W 22	1	
R1020	ERJ14YJ220	M. RESISTOR CH 1/4W 22	1	
R1021	ERDS2FJ472	C. RESISTOR 1/4W 4.7K	1	
R1022	ERJ12NP1503	M. RESISTOR CH 1/2W 150K	1	
R1023, 24	ERJ12YJ224	M. RESISTOR CH 1/2W 220K	2	
R1025	ERJ12YJ104	M. RESISTOR CH 1/2W 100K	1	
R1026	ERJ14YJ474	M. RESISTOR CH 1/4W 470K	1	
R1028	ERJ12NP1503	M. RESISTOR CH 1/2W 150K	1	
R1029, 30	ERJ12YJ224	M. RESISTOR CH 1/2W 220K	2	
R1031	ERJ8GEY0R00	M. RESISTOR CH 1/8W 0	1	
R1032	ERJ12NP1503	M. RESISTOR CH 1/2W 150K	1	
R1033, 34	ERJ12YJ224	M. RESISTOR CH 1/2W 220K	2	
R1035	ERJ12YJ104	M. RESISTOR CH 1/2W 100K	1	
R1036	ERJ14YJ474	M. RESISTOR CH 1/4W 470K	1	
R1102, 03	ERJ12YJ154	M. RESISTOR CH 1/2W 150K	2	
R1104	ERJ12YJ104	M. RESISTOR CH 1/2W 100K	1	
R1105	ERJ12YJ154	M. RESISTOR CH 1/2W 150K	1	
R1106	ERJ12YJ104	M. RESISTOR CH 1/2W 100K	1	
R1107	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R1108	ERW1PKR3	W. RESISTOR 1W 0.33	1	
R1109	ERJ12YJ3R3	M. RESISTOR CH 1/2W 3.3	1	
R1110	ERJ12YJ100	M. RESISTOR CH 1/2W 10	1	
R1111	ERG2SJ180	M. RESISTOR 2W 18	1	
R1112, 13	ERG2SJ104	M. RESISTOR 2W 100K	2	
R1114	ERJ12YJ3R3	M. RESISTOR CH 1/2W 3.3	1	
R1115	ERJ6GEYJ334	M. RESISTOR CH 1/10W 330K	1	
R1116	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R1117-20	ERG2SJ220	M. RESISTOR 2W 22	4	
R1121	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R1122	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
R1123, 24	ERG2SJ152	M. RESISTOR 2W 1.5K	2	
R1125	ERJ12YJ621	M. RESISTOR CH 1/2W 620	1	
R1126	VRE0222J22M	M. RESISTOR	1	
R1127	VRE0222J10M	M. RESISTOR	1	
R1128	ERJ6RBD202	M. RESISTOR CH 1/10W 2K	1	
R1130	ERJ6RBD181	M. RESISTOR CH 1/10W 180	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1131	ERJ12XJ471	M. RESISTOR CH 1/2W 470	1	
R1132	ERJ6RBD332	M. RESISTOR CH 1/10W 3.3K	1	
R1134	ERJ12YJ104	M. RESISTOR CH 1/2W 100K	1	
R1135	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R1136	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R1137	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	DOYDR0000005
R1138	ERJ6GEYG562	M. RESISTOR CH 1/10W 5.6K	1	
R1203	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1209	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R1210-12	ERJ6GEYG121	M. RESISTOR CH 1/10W 120	3	D0GD121JA003
R1213	ERJ6GEYG271	M. RESISTOR CH 1/10W 270	1	
R1215	ERJ6RBD101	M. RESISTOR CH 1/10W 100	1	
R1216	ERJ6RBD821	M. RESISTOR CH 1/10W 820	1	
R1221	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	DOYDR0000005
R1222	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R1224	ERJ6RBD103	M. RESISTOR CH 1/10W 10K	1	
R1226	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R1227	ERJ6RBD101	M. RESISTOR CH 1/10W 100	1	
R1228	ERJ6RBD681	M. RESISTOR CH 1/10W 680	1	
R1229	ERJ6RBD103	M. RESISTOR CH 1/10W 10K	1	
R1230	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
R1234	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R1235	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
△ T1101	ETS42BJ1A6AD	TRANSFORMER	1	
△ TH1101	VRT0142	THERMISTOR	1	D4DDB3310005
△ TH1102	VRT0033	THERMISTOR	1	D4DDB3310004
		MISCELLANEOUS		
△ VMZ1608	CAPACITOR TUBE	5		
△ VMZ3269	THERMAL CONDUCTOR SHEET	2		
△ VMZ3283	POWER SP BARRIER	2		
VSCS349	HEAT SINK S	1		
VSCS535	POWER INSULATION PLATE	1		
VSCS539	POWER SP	1		
VSCS5379	INSULATION PLATE	1		
XYN3+F8	SCREW	10		
XYN3+F10	SCREW	3		
■ E7	VEP61295A	POWER SUB P.C. BOARD	1 (RTL)	
C1501	EEUEB1H100SB	E. CAPACITOR 50V 10U	1	
C1502	ECUM1H104KBN	C. CAPACITOR CH 50V 0.1U	1	
C1503	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C1504	ECQV1H684JL	P. CAPACITOR 50V 0.68U	1	
C1505	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
C1506	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1507, 08	ECUM1H04KBN	C. CAPACITOR CH 50V 0.1U	2	
C1509	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1510	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C1511	ECUM1E224KBN	C. CAPACITOR CH 25V 0.22U	1	
C1513	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C1514	ECUM1E224KBN	C. CAPACITOR CH 25V 0.22U	1	
C1515	ECUM1H104KBN	C. CAPACITOR CH 50V 0.1U	1	
C1516	ECUX1H682KBN	C. CAPACITOR CH 50V 6800P	1	ECJ2VB1H682K
C1517	EEUEB1H10R0SB	E. CAPACITOR 50V 1U	1	
C1518	ECUM1H104KBN	C. CAPACITOR CH 50V 0.1U	1	
C1519	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1520	ECUM1E473KBN	C. CAPACITOR CH 25V 0.047U	1	
C1521	ECUM1H104KBN	C. CAPACITOR CH 50V 0.1U	1	
C1523, 24	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	2	F1J1H103A010
C1602	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1606	ECUM1H104KBN	C. CAPACITOR CH 50V 0.1U	1	
C1609	ECA1EHG470	E. CAPACITOR 25V 47U	1	
C1610	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1611-13	ECUX1C105KBN	C. CAPACITOR CH 10V 1U	3	
C1614	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1615, 16	ECUX1C105KBN	C. CAPACITOR CH 10V 1U	2	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1617	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1618	ECAL1CHG221	E.CAPACITOR 16V 220U	1	
C1619	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1620	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1621	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1623	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
D1501,02	MA3200-M	DIODE	2	
D1503	MA3120-M	DIODE	1	
D1505	MA152K	DIODE	1	
D1506	MA720	DIODE	1	
D1507	MA2P701A0L	DIODE	1	
D1508	MA152WA	DIODE	1	
D1509	MA3240-H	DIODE	1	
D1511,12	MA3068-M	DIODE	2	
D1513,14	MA152K	DIODE	2	
D1515	MA2P701A0L	DIODE	1	
D1602	MA3051-M	DIODE	1	MA230510ML
D1604	MA3062M	DIODE	1	
D1605	MA152K	DIODE	1	
D1606	MA720	DIODE	1	
IC1501	M51951BL	IC	1	C0EAH0000030
IC1502	MC33262P	IC	1	C0DAZZZ00013
IC1503	CODABMG00001	IC	1	
IC1601	UPC1093J	IC	1	C0DAEMC00002
IC1602	C0BBBA000019	IC	1	
P1501	VJS3042F012W	CONNECTOR (FEMALE)	12P	1K1KB12B00030
P1502	VJS3042F010W	CONNECTOR (FEMALE)	1	K1KB10B00032
P1601	VJS3042F010W	CONNECTOR (FEMALE)	1	K1KB10B00032
▲ PC1601,02	B3QA20000030	PHOTO COUPLER	2	
Q1501	XN1501	TRANSISTOR-RESISTOR	1	
Q1502	2SJ278	TRANSISTOR	1	
Q1601	2SD601A-R	TRANSISTOR	1	
QR1102	UN2111	TRANSISTOR-RESISTOR	1	
QR1501	UNR211200L	TRANSISTOR	1	
QR1502	UN2111	TRANSISTOR-RESISTOR	1	
QR1503,04	UNR221300L	TRANSISTOR	2	
QR1505	UN2113	TRANSISTOR-RESISTOR	1	
QR1506	UNR221300L	TRANSISTOR	1	
QR1601	UN2113	TRANSISTOR-RESISTOR	1	
QR1602,03	UN2211	TRANSISTOR-RESISTOR	2	
QR1604	UNR221300L	TRANSISTOR	1	
R1501	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1502	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1503	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1504	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1505	ERJ6GEYGI04	M.RESISTOR CH 1/10W 100K	1	
R1506	ERJ6GEYG224	M.RESISTOR CH 1/10W 220K	1	
R1508	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1509	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1510	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R1511	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1512	ERJ6GEYGI01	M.RESISTOR CH 1/10W 100	1	
R1513	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R1514	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1515	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R1516	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1517	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R1519	ERJ6RBD433	M.RESISTOR CH 1/10W 43K	1	
R1520	ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R1521	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1522	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R1524	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R1525	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R1601	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R1602	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1603	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1604	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1605	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1606	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R1607	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1608	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1609,10	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	2	
R1611	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	1	
R1612	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1	
R1613	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1615	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R1616	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1617	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1619	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1620	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1621	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1622	ERJ6RED220	M.RESISTOR CH 1/10W 22	1	
R1623	ERJ6RBD561	M.RESISTOR CH 1/10W 560	1	
■ E8	VEP6449A	PANEL P.C.BORD	1	(RTL)
C1-14	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	14	F1J1C105A083
C15,16	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C20-35	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	16	
C36-42	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C43	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C44	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C45	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C46	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C47-49	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	F1J1C105A083
C50	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C51-62	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	12	
C63	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C64-69	EEVHB0J470	E.CAPACITOR 6.3V 47U	6	
C70,71	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	F1J1C105A083
C72	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C73	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C74	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C75	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C76	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
D01-28	MA152A	DIODE	28	
D30-34	MA152A	DIODE	5	
D38-82	MA152A	DIODE	45	
D90,91	B3AAA0000385	LED	2	
IC1,C2	COJBAZ000854	IC	2	
IC3-C6	COJBAF000223	VHC	4	
IC7	VSI3831	IC	1	
IC8,C9	UPC33962	IC	2	
IC10,11	COJBAN000098	VHC	2	
IC12	COJBAF000223	VHC	1	
L1-12	VLF1315A102	FILTER	12	J0JHC0000015
P1	VJP1874T	CONNECTOR (MALE)	1	K1KA12C00009
P2	VJP3926B016	CONNECTOR (MALE)	1	K1KA16B00049
P4	VJP1874T	CONNECTOR (MALE)	1	K1KA12C00009
P5,P6	K1MN22B00072	CONNECTOR	2	
P8	K1MN22B00072	CONNECTOR	1	
P9,10	VJP1875T	CONNECTOR (MALE)	2	K1KA12C00010
P11	VJP1877T	CONNECTOR (MALE)	1	K1KA06C00004
P12	VJP1874T	CONNECTOR (MALE)	1	K1KA12C00009
P14	K1MN16B00029	CONNECTOR	1	
P15	VJP1243T	CONNECTOR (MALE)	3P	K1KA03B00012
Q1	2SD601A-R	TRANSISTOR	1	
Q2	2SD874A-R	TRANSISTOR	1	
Q3	2SD601A-R	TRANSISTOR	1	
Q4	2SD874A-R	TRANSISTOR	1	
Q5	2SD601A-R	TRANSISTOR	1	
Q6	2SD874A-R	TRANSISTOR	1	
Q7	2SD601A-R	TRANSISTOR	1	

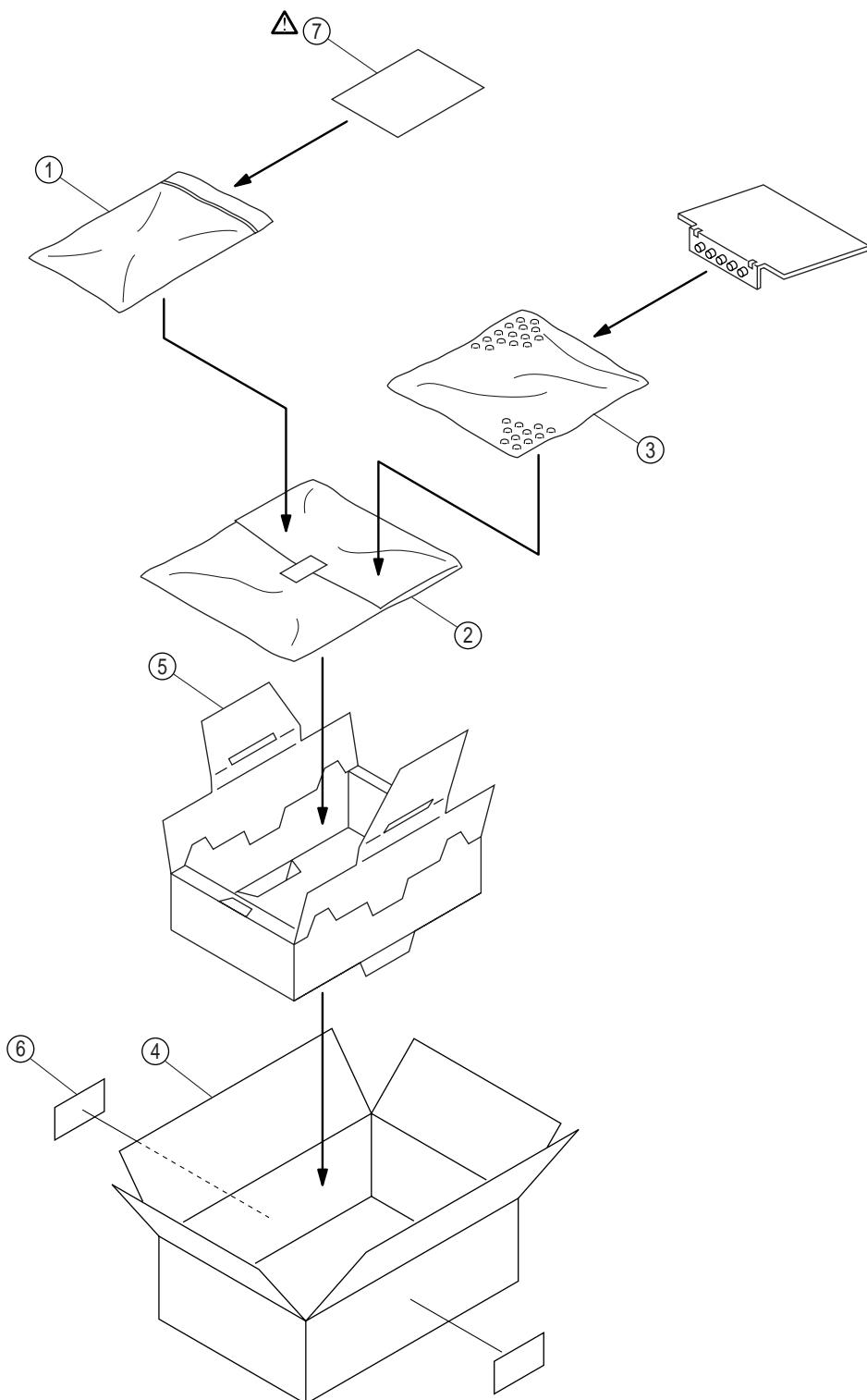
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q8	2SD874A-R	TRANSISTOR	1		R124	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
Q9	2SD601A-R	TRANSISTOR	1		R125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
Q10	2SD874A-R	TRANSISTOR	1		R126	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
Q11-35	2SB710A-R	TRANSISTOR	25		R127	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
					R128	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1-12	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	12		R129	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R13-24	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	12		R130	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R31	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R132	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R32	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		R133	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R33, 34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R134	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R35	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R135	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R36	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		R136	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R37, 38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R137	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R39	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R138	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003
R40	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		R139	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R41, 42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R140	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R43	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R141	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003
R44	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		R162-71	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	10	
R45, 46	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R174-78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R47	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R179, 80	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R48	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		R181	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R49, 50	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R182	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R51	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R183, 84	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R52	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		R190-03	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	14	
R53, 54	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R206, 07	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R55	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R208	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R56	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		R209	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R57, 58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R210, 11	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R59	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R212, 13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R60	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		R220	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R61, 62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R222	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R63	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R224, 25	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
R64	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		R226-37	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	12	
R65, 66	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R238, 39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R67	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1						
R68	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		SW01-28	KOH1BA000435	SWITCH	28	
R69, 70	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	SW30-34	KOH1BA000435	SWITCH	5	
R71	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		SW38	KOH1BA000435	SWITCH	1	
R72	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1		SW39-53	KOH1BA000088	SWITCH	15	
R73, 74	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	SW54-66	KOH1BA000435	SWITCH	13	
R75	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		SW67-70	600W01YP2	SWITCH	4	
R76	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1		SW71-75	600W01P2	SWITCH	5	
R77, 78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	SW76	600W01YP2	SWITCH	1	
R79	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		SW77-79	600W01RP2	SWITCH	3	
R80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	SW80-82	KOH1BA000435	SWITCH	3	
R81	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		TG1, G2	EYF6CU	TEST POINT	2	
R82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	VR1-R7	D2B9A15B0001	V.RESISTOR	100K	7
R83	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1				MISCELLANEOUS		
R84	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	VMX2188030	SWITCH		2	K9ZZ00000717
R85	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1						
R86	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	■ E9	VEP60678A	ROTALY ENCODER P.C.BOARD	1	(RTL)
R87	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		C1002-05	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	4	
R90-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	13	D0GB103JA002	C1006	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
R103	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		C1007	ECUM1C104ZFN	C.CAPACITOR CH 16V 0.1U	1	
R104	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1		C1008, 09	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
R105	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	IC1001-03	UPC339G2	IC	3	
R106	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		P1001	VJP3926B016	CONNECTOR (MALE)	1	K1KA16B0049
R107	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1		R1005-08	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	4	
R108	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R1009	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R109	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R1010	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R110	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1		R1011-14	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R111	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R112	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1						
R113	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1						
R114	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R115	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1						
R116	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1						
R117	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R118	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1						
R119	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003					
R120	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R121	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1						
R122	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R123	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1						

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1015-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R1023-26	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	4	
R1027	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1029-32	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R1033-36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R1037,38	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1041,42	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1043	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1044	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1045,46	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R1047,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
TP1001-10	EYF6CU	TEST POINT	10	
VR1001-05	K9AA02400009	V.RESISTOR	5	
VR1006	D2BEA53B0004	V.RESISTOR	5K	1
■ E10	VEP60681A	TIME ENCODER P.C.BORD	1	(RTL)
P1401	VJP1243T	CONNECTOR (MALE)	3P	1 K1KA03B00012
VR1401	K9AA02400009	V.RESISTOR	1	
■ E11	VEP60682A	Z ENCODER P.C.BORD	1	(RTL)
P1301	VJP1243T	CONNECTOR (MALE)	3P	1 K1KA03B00012
VR1301	K9AA02400009	V.RESISTOR	1	
■ E12	VEP60680A	COLOR V P.C.BORD	1	(RTL)
P1201	K1KA06B00057	CONNECTOR (MALE)	1	
R1201,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
VR1201	D2FDZ1500001	JOY STOCK	1	
		MISCELLANEOUS		
	VSC5402	COLOR JOG EARTH ANGLE	1	
	VEE0S19	EARTH CABLE	1	
■ E13	VEP60683A	PHONE V P.C.BORD	1	(RTL)
P1601	K1KA04B00063	CONNECTOR (MALE)	1	
VR1601	D2BEA53B0003	V.RESISTOR	5K	1
■ E14	VEP60684A	ASPECT V P.C.BORD	1	(RTL)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
P1501	K1KA04B00063	CONNECTOR (MALE)	1	
VR1501	D2BEA53B0003	V.RESISTOR	5K	1
■ E15	VEP60685A	LCD INV P.C.BORD	1	(RTL)
C1101	EVHVB0J101	E.CAPACITOR 6.3V 100U	1	
C1102	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U	1	
C1103	ECCS3F220KG	C.CAPACITOR 22U	1	
C1105	EVHVB1V220P	E.CAPACITOR 35V 22U	1	
C1106	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
L1101	VLQ0651K101	COIL 100UH	1	G1C101KA0013
P1102	K1KA02B00097	CONNECTOR (MALE)	1	
P1103	K1MN16A00021	CONNECTOR	1	
P1104	VJS437LB012	CONNECTOR (FEMALE)	1	
P1105	K1KA03A00017	CONNECTOR (MALE)	1	
Q1101,02	2SD2402	TRANSISTOR	2	
QR1101,02	UNR221300L	TRANSISTOR	2	
R1101,02	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	2	
R1103	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1104	VRT0152090	THERMISTOR	1	D4ZZ000000011
R1105	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1106	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
T1101	ETJ11K119AM	TRANSFORMER	1	
TG1101,02	VJR0098	TEST POINT	2	
TP1102	VJR0098	TEST POINT	1	
■ E16	VEP60679A	TAKE V P.C.BORD	1	(RTL)
P1701	VJP1243T	CONNECTOR (MALE)	3P	1 K1KA03B00012
VR1701	D2BCB15B0004	V.RESISTOR	100K	1

Components identified with the mark  $\Delta$  have the special characteristics for safety.  
When replacing any of these components, use only the same type.

## AG-YA70P PACKING PARTS ASSEMBLY



Components identified with the mark  $\Delta$  have the special characteristics for safety.  
When replacing any of these components, use only the same type.

## AG-YA70P PACKING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPF0115	POLYETHYLENE BAG	1	
2	VPF0506	CONDUCTIVE BAG	1	
3	VPF0678	AIR CAP	1	
4	VPGOR14	PACKING CASE	1	
5	VPN5893	PAD	1	
6	VQL9823	PACKING LABEL	2	
$\Delta$ 7	VQTOC02	OPERATING INSTRUCTIONS	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

# AG-YA70P ELECTRICAL REPLACEMENT PARTS LIST

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP83586A	SDI P.C.BOARD	1 (RTL)	
C1-C6	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	6	
C7	EEFCD0J330R	E.CAPACITOR 6.3V 33U	1	
C8	EEVHBOJ330	E.CAPACITOR 6.3V 33U	1	
C9	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C10	EEFCD0J330R	E.CAPACITOR 6.3V 33U	1	
C11	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C100-02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C105	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C200-02	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	3	
C203	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C204	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C205	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C206	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C207	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C208	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C209-11	EEVHBOJ330	E.CAPACITOR 6.3V 33U	3	
C212-14	ECUX1H101JCVC	C.CAPACITOR CH 50V 100P	3	
C215-17	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	3	
C224-26	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C227	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C228	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C229,30	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C231	EEVHBOJ330	E.CAPACITOR 6.3V 33U	1	
C232	ECUX1H101JCVC	C.CAPACITOR CH 50V 100P	1	
C233	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C234	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C235	EEVHBOJ330	E.CAPACITOR 6.3V 33U	1	
C238-54	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	17	
C300,01	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C302,03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C304,05	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C308	EEVHBOJ330	E.CAPACITOR 6.3V 33U	1	
C309	ECUX1H820JCVC	C.CAPACITOR CH 50V 82P	1	
C310	EEVHBOJ330	E.CAPACITOR 6.3V 33U	1	
C311	ECUX1H820JCVC	C.CAPACITOR CH 50V 82P	1	
C312-16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	5	
C319-22	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C323,24	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C325,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C328,29	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C330,31	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C332,33	EEVHBOJ330	E.CAPACITOR 6.3V 33U	2	
C334-36	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C339-54	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	16	
C400,01	EEVHBOJ330	E.CAPACITOR 6.3V 33U	2	
C402,03	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C404,05	EEVHBOJ330	E.CAPACITOR 6.3V 33U	2	
C406,07	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C409,10	EEVHBOJ330	E.CAPACITOR 6.3V 33U	2	
C412,13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C415,16	EEVHBOJ330	E.CAPACITOR 6.3V 33U	2	
C417-22	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6	
C500,01	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C503-20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	18	
C600-13	ECUX1H121JCVC	C.CAPACITOR CH 50V 120P	14	
C615-18	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C620	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C621	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C622	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C623	EEVHBOJ330	E.CAPACITOR 6.3V 33U	1	

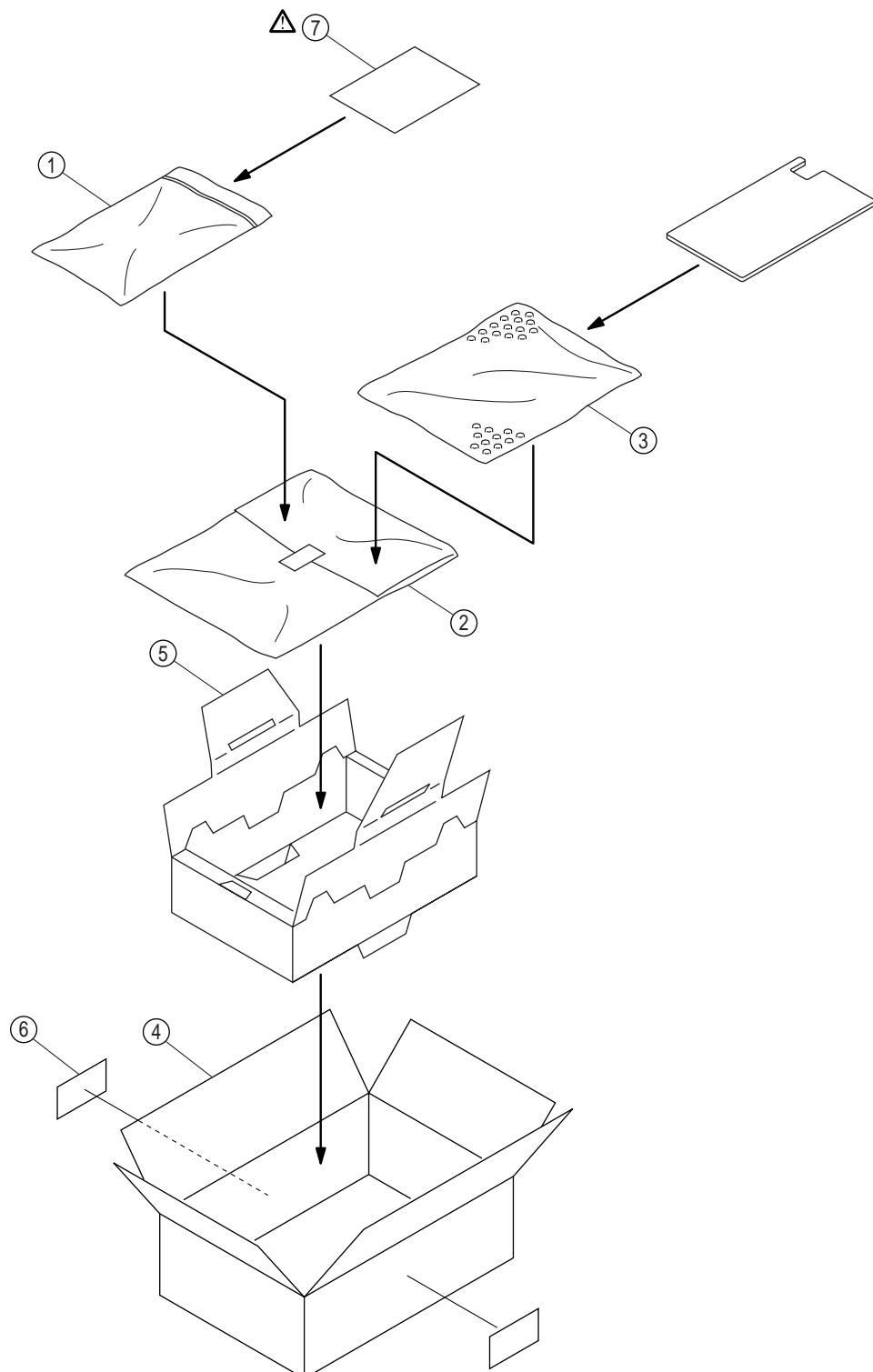
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C624-26	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C627	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C628-34	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
D201-04	LN1251CAL	DIODE	4	
D205-08	M1MA151K	DIODE	4	
D300-03	M1MA151K	DIODE	4	
D500	LN1251CAL	DIODE	1	
D600	LN1251CAL	DIODE	1	
IC1	LT1086CM	IC	1	C0CBAYG0001
IC102,03	COJBAZ000854	IC	2	
IC104	COJBAZ000803	IC	1	
IC201-04	C1AB0001594	IC	4	
IC205	C1AB0001592	IC	1	
IC206-10	C0CBADD00003	IC	5	
IC211-14	TC7S04FU	IC	4	
IC300,01	C0CBADD00003	IC	2	
IC302,03	C1AB0001591	IC	2	
IC304,05	C0CBADD00003	IC	2	
IC306,07	C1AB0001595	IC	2	
IC308,09	COJBAZ000852	IC	2	
IC310,11	C1AB0001648	IC	2	
IC312	COJBAZ000852	IC	1	
IC314	COJBAZ000852	IC	1	
IC400,01	C0ZBZ0000363	IC	2	
IC403,04	C5AB00000006	IC	2	
IC405	COJBAZ000279	IC	1	
IC406	COJBAB00180	IC	1	
IC500	COEBE0000236	IC	1	
IC503	C1ZB20001836	IC	1	
IC504	COJBAZ000854	IC	1	
IC600	COJBAZ000854	IC	1	
IC601,02	COJBAF000315	IC	2	
IC603	COJBAZ000852	IC	1	
IC604	C1AB0001648	IC	1	
IC605	C0CBADD00003	IC	1	
IC606	TC7S04FU	IC	1	
IC607	C1AB0001593	IC	1	
ID1	VVVS1386A	SOFTWARE	1	
IP502	C1ZBZ0001555	IC	1	
J1,J2	VJR1095	LUG TERMINAL	2	
J201-04	K1QBB1BB0010	CONNECTOR (FEMALE)	4	
J600	K1QBB1BB0010	CONNECTOR (FEMALE)	1	
L1-L3	VLP0328A102	FERRITE CORE	3	
L100	G1C1ROMA0001	COIL	1.0UH	1
L200-03	VLQ078210N	COIL		4 G1C10NGA0001
L300	G1C1ROMA0001	COIL	1.0UH	1
L400	G1C1ROMA0001	COIL	1.0UH	1
L500	G1C1ROMA0001	COIL	1.0UH	1
L600	G1C1ROMA0001	COIL	1.0UH	1
L601	VLQ0426J022	COIL	1	
P1	K1KAA0A00107	CONNECTOR (MALE)	1	
P2	K1KA05B00047	CONNECTOR (MALE)	1	
P500	K1KA08B00147	CONNECTOR (FEMALE)	1	
QR500	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
R1-R5	ERJ3GEY0R00	M.RESISTOR CH 1/16W	0	5
R6	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R7-12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R13	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R14	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R15-21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R103,04	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R105,06	D1H84734A008	COMBI.R-R	47K	2
R200-02	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R203-06	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R207	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R208	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R209	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R210	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R211	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R212-14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R221-27	ERJ3RED750	M.RESISTOR CH 1/16W 75	7	
R228-29	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R230	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R231,32	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	2	
R233	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R236,37	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R238,39	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	2	
R300-03	ERJ3RED750	M.RESISTOR CH 1/16W 75	4	
R304	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R305	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R306	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R307	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R310,11	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	2	
R312,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R314,15	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R316,17	ERJ3RBD181	M.RESISTOR CH 1/16W 180	2	
R319	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R321	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R324-26	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R327,28	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	2	
R329	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R330,31	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	2	
R332-35	ERJ3RED750	M.RESISTOR CH 1/16W 75	4	
R336-39	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R342-45	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R346-49	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4	
R350-55	D1H810140001	COMBI.R-R	100	6
R356-61	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R365-70	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R377	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R381-84	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	4	
R386-88	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	3	
R394,95	D1H810140001	COMBI.R-R	100	2
R397,98	D1H810140001	COMBI.R-R	100	2
R400-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R405	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R407	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R408	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R410	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R411	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R413	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R420-27	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	8	
R430	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R432	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R433	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R435	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R437	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R439	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R440-45	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R500	D1H810240001	COMBI.R-R	1K	1
R501	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R502-09	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	8	
R510-16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R517	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R519,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R521-33	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	13	
R535	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R536	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R537	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R538	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R540	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R541-48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R549	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R550-54	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	5	
R555	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R557,58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R559	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R560-62	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R600-08	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	9	
R609	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R610	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R611-13	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	3	
R614	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R615	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R616-18	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	3	
R619	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R620	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R622	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R624,25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R627,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R635-39	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	5	
R640-42	D1H810140001	COMBI.R-R	100	3
R643-45	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	3	
R646	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R647	ERJ3GEYR00	M.RESISTOR CH 1/16W 0	1	
R648	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R649	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R650-52	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R656-58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R659-61	D1H810140001	COMBI.R-R	100	3
TG1-G4	EYF6CU	TEST POINT	4	
TP300-03	EYF6CU	TEST POINT	4	
TP400,01	EYF6CU	TEST POINT	2	
TP500-07	EYF6CU	TEST POINT	8	
TP511	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VEE0S26	SDI POWER CABLE	1	
	VMP7162B	SDI HOLDER ANGLE	1	
	VSC5354	SDI SHIELD ANGLE	1	
	XYN26+J6FN	SCREW	10	

Components identified with the mark  $\Delta$  have the special characteristics for safety.  
When replacing any of these components, use only the same type.

## AG-VE70P PACKING PARTS ASSEMBLY



Components identified with the mark  $\Delta$  have the special characteristics for safety.  
When replacing any of these components, use only the same type.

## AG-VE70P PACKING PARTS ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPP0115	POLYETHYLENE BAG	1						
2	VPP0506	CONDUCTIVE BAG	1						
3	VPP0678	AIR CAP	1						
4	VPG0R14	PACKING CASE	1						
5	VPN5893	PAD	1						
6	VQL9823	PACKING LABEL	2						
$\Delta$ 7	VQT0C03	OPERATING INSTRUCTIONS	1						

# AG-VE70P ELECTRICAL REPLACEMENT PARTS LIST

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP63239A	3D OP P.C.BORD	1	(RTL)
C1,C2	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C3	EEFCDD0J470R	E.CAPACITOR 6.3V 47U	1	
C4	EEFCDD0K330R	E.CAPACITOR 8V 33U	1	
C5-21	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	17	
C23-39	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	17	
C50-13	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	64	
C114-24	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	11	
C150	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C151-65	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	15	
C166	EEFCDD0J470R	E.CAPACITOR 6.3V 47U	1	
C167-71	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	5	
C173	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C201-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C206-08	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C209	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C210-15	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6	
C216	EEFCDD0J470R	E.CAPACITOR 6.3V 47U	1	
C218-24	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C251	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C252	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C254-57	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C258	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C259-67	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	9	
C269,70	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C271	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C280,81	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C301	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C302	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C304-07	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C308	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C309-17	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	9	
C319	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C320	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C350-56	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C357	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C358,59	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C361-63	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C365,66	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C368,69	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C400-06	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C407	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C408,09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C411-13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C415,16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C418,19	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C450-56	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C457	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C458,59	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C461-63	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C465,66	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C468,69	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C500-06	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C507	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C508,09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C511-13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C515,16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C518,19	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C550-56	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C557	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C558,59	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C561-63	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C565,66	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C568,69	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C600-06	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C607	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C608,09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C611-13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C615,16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C618,19	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C650-53	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C656-61	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6	
C663-65	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C700-03	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C704	EEFCDD0J470R	E.CAPACITOR 6.3V 47U	1	
C705-17	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	13	
IC50	TVHT541FT	IC	1	
IC51	COJBAAZ000852	IC	1	
IC52	COJBAAF000315	IC	1	
IC53,54	COJBAAF000233	IC	2	
IC55,56	COJBAAF000315	IC	2	
IC57-60	COJBAAF000233	IC	4	
IC150	C1ZBZ0001619	IC	1	
IC151	TLCX04F	IC	1	
IC200	VSI13770	IC	1	
IC201	C1ZBZ0002064	IC	1	
IC202	XC62FP2502PR	IC	1	
IC203	VSI13771	IC	1	
IC204	VSI13774	IC	1	
IC205	VSI13777	IC	1	
IC206	VSI13772	IC	1	
IC207	VSI13775	IC	1	
IC208	VSI13773	IC	1	
IC209	VSI13776	IC	1	
IC250-52	C3HBCC000008	IC	3	
IC253	C1ZBZ0000708	IC	1	
IC254,55	C3HBCC000008	IC	2	
IC257	C3HBCC000008	IC	1	
IC280,81	COJBAAF000233	IC	2	
IC300-02	C3HBCC000008	IC	3	
IC303	C1ZBZ0000708	IC	1	
IC304,05	C3HBCC000008	IC	2	
IC307	C3HBCC000008	IC	1	
IC350	C1ZBZ0000256	IC	1	
IC351-54	YUMNJJ0029	IC	4	
IC400	C1ZBZ0000256	IC	1	
IC401-04	YUMNJJ0029	IC	4	
IC450	C1ZBZ0000256	IC	1	
IC451-54	YUMNJJ0029	IC	4	
IC500	C1ZBZ0000256	IC	1	
IC501-04	YUMNJJ0029	IC	4	
IC550	C1ZBZ0000256	IC	1	
IC551-54	YUMNJJ0029	IC	4	
IC600	C1ZBZ0000256	IC	1	
IC601-04	YUMNJJ0029	IC	4	
IC652	C3HBLG000001	IC	1	
IC700	XC62FP2502PR	IC	1	
IC702	C1ZBZ0002129	IC	1	
IC703-06	TLCX573FT	IC	4	
ID1	VVVS13867A	SOFTWARE	1	
IP256	C1ZBZ0002036	IC	1	
IP306	C1ZBZ0002036	IC	1	
IP650	C1ZBZ0002030	IC	1	
IP651	C1ZBZ0002036	IC	1	
IP701	C1ZBZ0002036	IC	1	
J1-J4	VJR1095	LUG TERMINAL	4	
L50-52	G1C1ROMA0001	COIL	1.0UH	3
L150,51	G1C1ROMA0001	COIL	1.0UH	2
L200,01	G1C1ROMA0001	COIL	1.0UH	2
L203	G1C1ROMA0001	COIL	1.0UH	1
L250-53	G1C1ROMA0001	COIL	1.0UH	4

