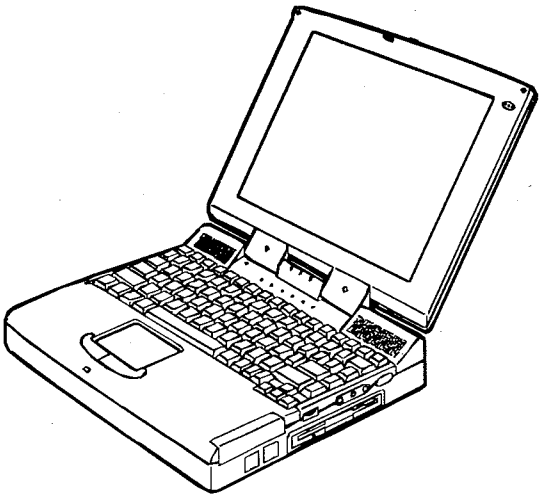
SHARP SERVICE MANUAL

CODE: 00ZPC9070SM-E



PERSONAL COMPUTER

PC-9040
MODEL PC-9070

CONTENTS

Parts marked with "⚠" is important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

[THE FOLLOWING CAUTION IS APPLICABLE IN THE UNITED STATES ONLY.]
"BATTERY DISPOSAL"
"CONTAINS LITHIUM-ION RECHARGEABLE BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.
REMOVE THE BATTERY FROM THE PRODUCT AND CONTACT FEDERAL OR STATE ENVIRONMENTAL AGENCIES FOR INFORMATION ON RECYCLING AND DISPOSAL OPTIONS."

CHAPTER 1. OUTLINE OF THE PC-9040/9070

1. General

The notebook is a compact PC compatible computer, featuring the latest in portable computing technology. Designed for a wide range of general business and personal productivity applications, the notebook is an ideal choice for use in the office, at home, and on the road.

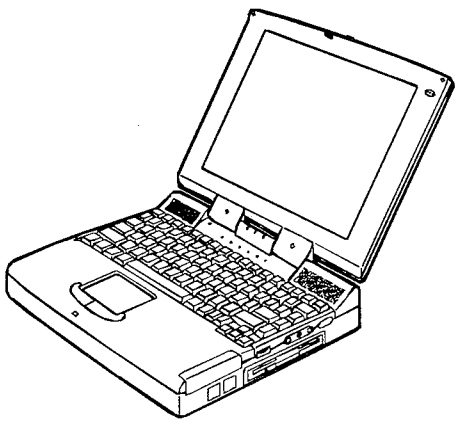


Figure 1. The Notebook

The notebook includes a variety of innovative features designed to meet the most demanding computing requirements:

- A powerful Intel Pentium microprocessor supporting suspend and resume capability.
- A quadruple-speed CD-ROM, compatible with all major data, music and video CD standards.
- A removable IDE hard disk drive.
- PC Card slots, accommodating one Type III or two Type II PC Cards.
- A removable and rechargeable Lithium-ion battery pack, with an option to install a second battery pack in place of the floppy drive or CD-ROM drive.
- A PCI bus video accelerator optimized for the Windows 95 32-bit graphical user interface, driving an active matrix TFT LCD with 64k colors.
- A wide variety of I/O (Input/Output) ports including: a wireless IR (infrared) communications port, a serial and a parallel port, connectors for a PS/2 external keyboard and mouse and an SVGA monitor, plus jacks for a microphone and stereo audio input and output, composite video output and an expansion bus port.
- A touch-sensitive Glide pad, ergonomically placed to facilitate left or right handed use with today's graphical user interfaces.
- Advanced power management capabilities which can save up to 98-99% of battery power by automatically shutting down inactive peripheral devices and system components.
- Windows 95, the most innovative operating system, and other pre-installed software including Netscape Internet Browser allow you to get started with a minimum of preparation.
- An integrated audio system, compatible with the Sound Blaster 16, with audio input and output ports, a built-in microphone and stereo speakers.
- Pre-installed Sharp Player software lets you play a variety of CDs.

2. Unpacking the Notebook

Your notebook comes securely packaged in a sturdy cardboard shipping carton. Upon receiving your notebook, open the carton and carefully remove the contents. In addition to this Operation Manual, the shipping carton should contain the following items:

- Notebook computer
- AC power cord
- Lithium-ion battery pack
- Audio connection cable
- TV connection cable
- Blank battery filler cover
- Windows 95 manual and license
- TranXit Quick Reference Guide
- IntelliLink Import/Export User's Guide
- PowerPanel User's Guide

Carefully inspect each component to make sure nothing is missing or damaged. If any of these items is missing or damaged, notify your dealer immediately. Be sure to save the shipping materials and carton in case you need to ship or store the notebook in the future.

3. Appearance of the Notebook

Front

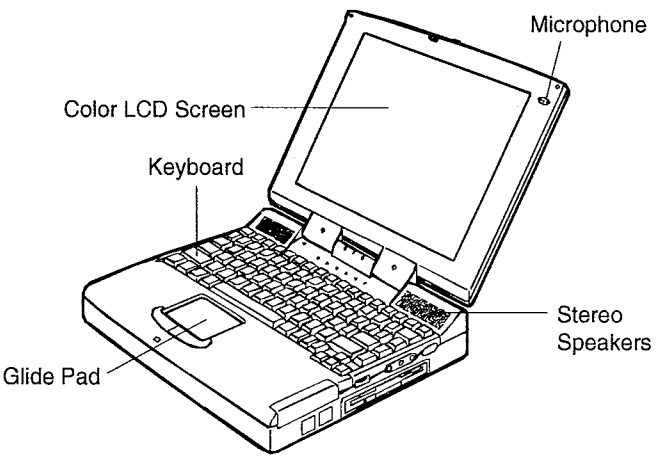


Figure 2. The Front of the Notebook

Right Side

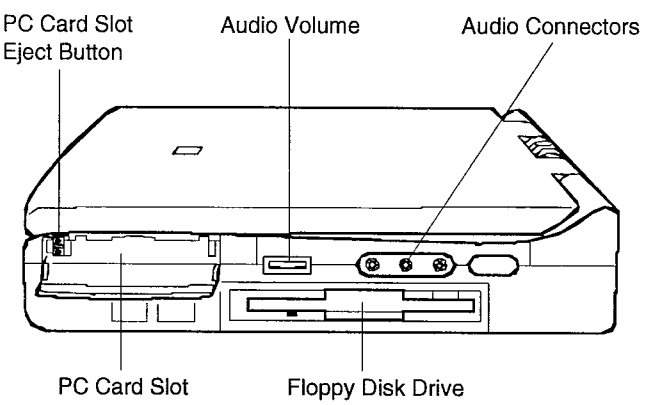


Figure 3. The Right Side of the Notebook

Left Side

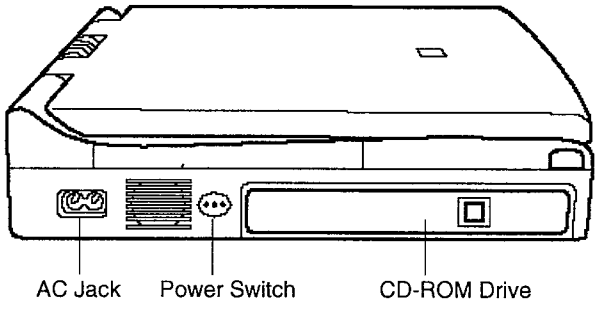


Figure 4. The Left Side of the Notebook

Rear

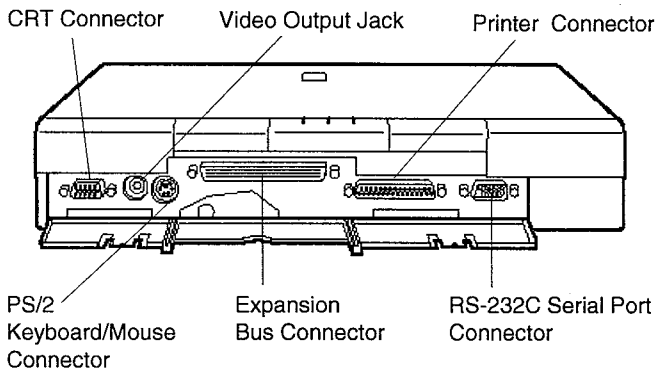


Figure 5. The Rear of the Notebook

Bottom

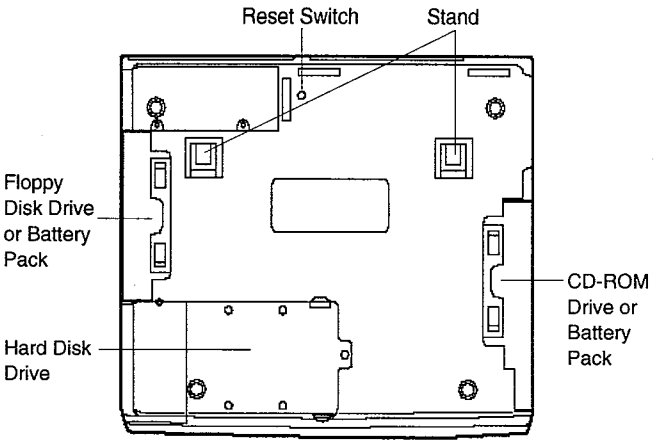


Figure 6. The bottom of the Notebook

3-1. Keyboard

The notebook provides all the functionality of a full-sized desktop 101- or 102-key keyboard. You should familiarize yourself with the special notebook function keystrokes which allow you to quickly and easily control and adjust such features as display brightness and access to power management.

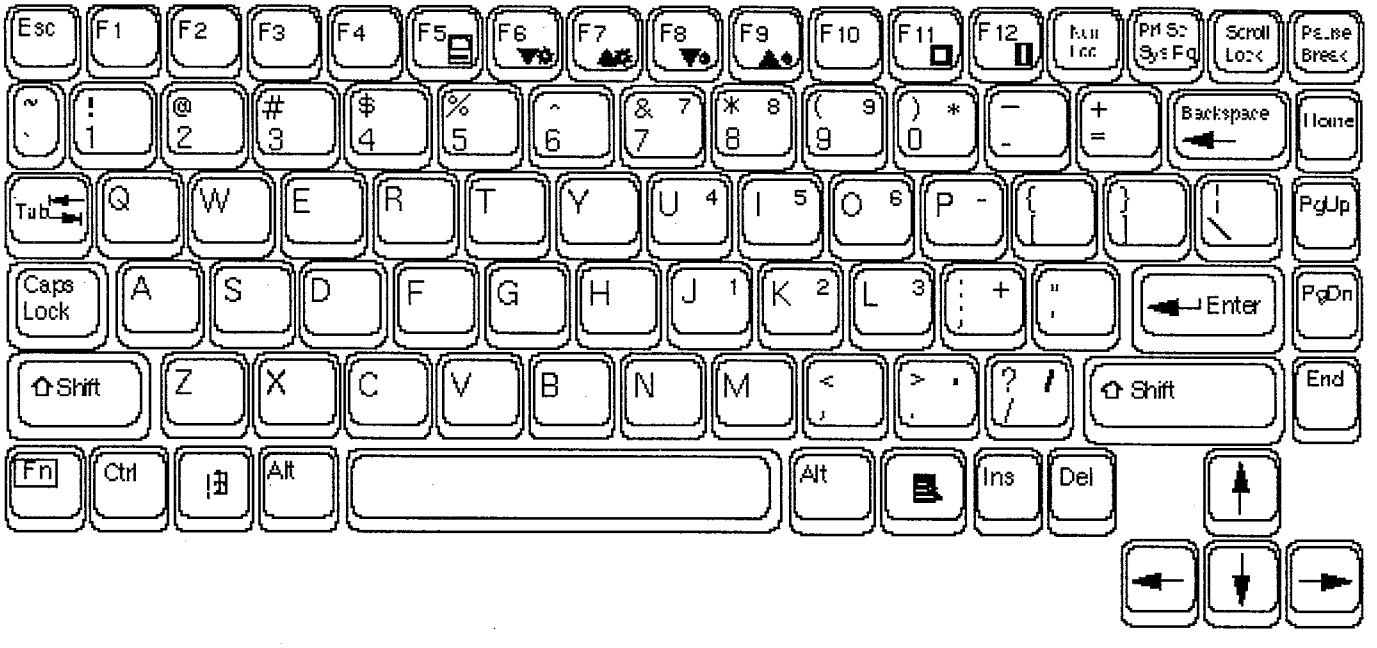


Figure 3-7. Keyboard Layouts

Windows Logo Keys

Opens the Windows Start menu.

Provides application-specific short-cut menu equivalent to the right menu button.

System Function Keys

The notebook has special system function keys which activate key functions printed on keys serving dual functions. When pressed in conjunction with the Fn or Ctrl key, these keys set specific system parameters and are sometimes referred to as "hot keys".

Toggles between video display output to the LCD screen, external CRT monitor, Simul-Scan (display on both), and the video out jack.

Decreases LCD brightness.

Increases LCD brightness.

Toggles LCD screen backlighting on or off.

Puts the notebook in suspend mode (RAM or Disk, according to the setup selection). Pressing the Spacebar (or any other key) resumes normal operation.

Halts all operation of your notebook and commands it to reset. This is known as a "warm boot". The notebook will halt current operations and restart afresh. This key combination may be useful if you encounter hardware or software problems which "lock up" your notebook.

Using the Ctrl+Alt+Del may result in loss of data from open applications.

3-2. Glide pad

Your notebook features an integrated Glide pad pointing device, connected internally to a PS/2 port and compatible with the Microsoft Mouse and IBM PS/2 mouse, which allows you to conveniently take advantage of software that requires or recognizes a pointing device. The Glide pad combines high resolution fingertip control and an ergonomic design equally suitable for left-handed and right-handed users. Most software applications will require use of the "left" button.

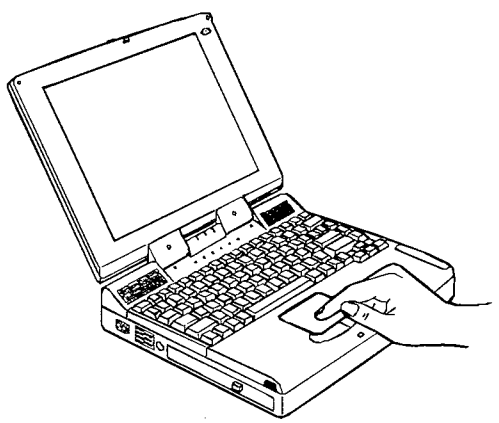


Figure 3-8. The Integrated Glide pad

3-3. Audio System

The audio capabilities of the notebook's stereo speakers add sound to your software applications, including features like an FM synthesizer, and digital recording and playback. It is compatible with the Sound Blaster 16, and includes a number of applications which allow you to record, compress, store and playback voice, sound and music in the Windows environment. You can hear all the digital sound effects and voice recordings used by the latest entertainment software.

Audio Hardware

Let's take a look to the notebook's built-in speakers, microphone and audio jacks.

Stereo Speakers

On either side of the LCD screen hinges are stereo speakers. The speakers are connected internally to the notebook's integrated audio system.

Microphone

The microphone allows you to record voice annotations and attach them to documents using the notebook's integrated audio system with supported software applications.

You can greatly improve the fidelity of your audio output and input by using external speakers and microphones.

Audio Connectors

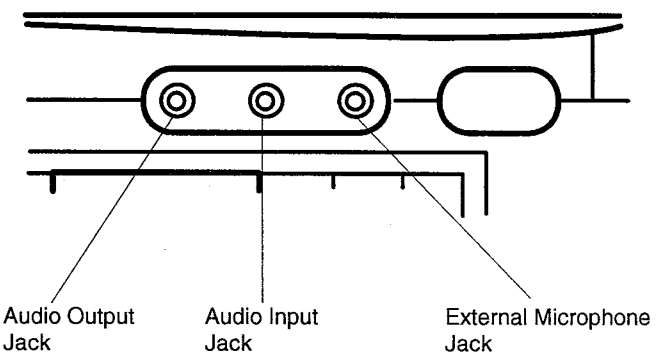


Figure 3-10. The Audio Connectors

You can find the audio connectors on the right side of the notebook, just above the floppy disk slot.

External Microphone Jack

You can connect an external dynamic microphone for use in place of the notebook's built-in microphone.

Audio Input Jack

You can feed an audio signal, such as from a compact disc or tape recorder, into the notebook's integrated audio system through this jack.

Audio Output Jack

You can connect a set of headphones, external speakers with amplifier or an audio recording device to this jack.

3-4. PC Card slot

Inserting and Ejecting PC Cards

PC Cards are inserted and ejected in much the same way as diskettes. The upper and lower slots both accept Type II cards. Therefore, you can insert up to two Type II cards at the same time. For Type III card, use the lower slot. When a Type III card is inserted, the upper slot cannot be used.

Note that some PC Card memory cards must be formatted before you can use them for data storage; see your PC Card manual for details.

3-5. CD-ROM Drive

The built-in quad-speed CD-ROM drive is accessible on the left side of the notebook.

The drive supports all of the major CD audio and data, including CD-DA, CD-ROM XA (ADPCM), CD-I and PhotoCD (multisession). You can use the drive to play music CDs, install and run programs, or you can install a battery pack in place of the CD-ROM drive.

3-6. Video Subsystem

The built-in display is an active matrix which is adjustable to provide comfortable viewing.

Changing the Configuration

Double-click the Display icon in the Windows Control Panel. The Display Properties window allows you to change various configurations. For example, by clicking the Settings tab you can change the desktop area to higher resolutions. Consult the following Possible Resolutions table when changing the resolution.

Connecting an External Monitor

The notebook is equipped with a Super-VGA port for connecting an external monitor.

See Chapter 4 for instructions on connecting your notebook to an external monitor.

Possible Resolutions

The following table lists the possible resolutions for each display output.

Table 3-1: Possible Resolutions

	PC-9040/9070
LCD	640 × 480 × 16 640 × 480 × 256 640 × 480 × 64k 800 × 600 × 16 800 × 600 × 256 800 × 600 × 64k (default)
CRT	640 × 480 × 16 640 × 480 × 256 640 × 480 × 64k 640 × 480 × 16M 800 × 600 × 16 800 × 600 × 256 800 × 600 × 64k 1024 × 768 × 16 1024 × 768 × 256
SimulScan	640 × 480 × 16 640 × 480 × 256 640 × 480 × 64k 800 × 600 × 16 800 × 600 × 256 800 × 600 × 64k

3-7. Status Indicator LEDs

The nine status indicator LEDs are located just above the keyboard, as illustrated below.

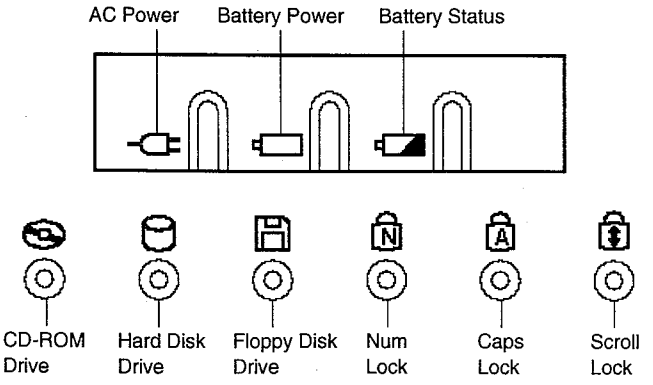


Figure 3-1. Status Indicator LEDs

Power Status Indicators

AC Power

This LED lights green when the notebook is being powered by AC, and blinks when Suspend to RAM is active using AC power. The LED is off when the notebook is off or powered by batteries, or when Suspend to Disk is active.

Battery Power

This LED lights green when the notebook is being powered by batteries, and blinks when Suspend to RAM is active using battery power. The LED is off when the notebook is off or powered by AC, or when Suspend to Disk is active.

Battery Status

During normal operation, this LED stays off as long as the battery is charged. When the battery charge drops to 20% of capacity, the LED lights red and a 10-second alarm sounds. When this occurs, save your work to disk, and connect AC to recharge the battery. Please note that no alarm sounds if you are using the computer in the Suspend to RAM mode.

If the battery is allowed to discharge further during operation, this LED starts blinking red and a continuous alarm sounds, indicating a critical battery condition. During Suspend to RAM, however, the alarm does not sound.

The Suspend to Disk mode activates automatically, and you will have to connect AC or replace the battery with a charged pack to resume working.

When AC is connected, this indicator glows green if the battery pack is fully charged, or orange if the battery is charging. If a fault occurs with the battery or charger, this indicator blinks orange. Try removing the battery pack, then re-installing it. If the indicator still blinks orange, there may be a problem with the notebook or the battery pack.

Other Indicator LEDs

CD-ROM Drive

This indicator glows green while the CD-ROM is being accessed.
Wait for this indicator to turn off before removing the CD-ROM.

Hard Disk Drive

This indicator glows green while the hard disk drive is being accessed. To avoid data loss, never remove the drive, or turn off or reset the notebook when this indicator is lit.

Floppy Disk Drive

This indicator glows green while the floppy disk drive is being accessed. To avoid data loss, never remove the diskette from the drive, or turn off or reset the notebook when this indicator is lit.

Num Lock

This indicator glows green when the keyboard Num Lock function is engaged, to activate the keyboard's embedded numeric keypad.

Caps Lock

This indicator glows green when the keyboard Caps Lock function is engaged, causing characters to be entered in upper case.

Scroll Lock

This indicator glows green when the keyboard Scroll Lock function is engaged, causing text to scroll without altering the cursor position on screen.

4. OPTION

4-1. Installing a Memory Module

The notebook allows you to expand system memory via two on-board SO-DIMM (Small Outline Dual Inline Memory Module) sockets. The SO-DIMM sockets are easily accessible and can accept optional CE-301B (4MB), CE-302B (8MB), or CE-303B (16MB) memory modules, which are available from your dealer. Always install in pairs of two memory modules.

Though Sharp sells the CE-304B 32MB memory module for another model, it cannot be used with your notebook

To upgrade memory on the notebook follow the steps below:

1. Review the section on handling precautions at the beginning of this chapter.
2. Pull out the locking knob on the left side of the notebook, and open the PC card slot cover on the right side.

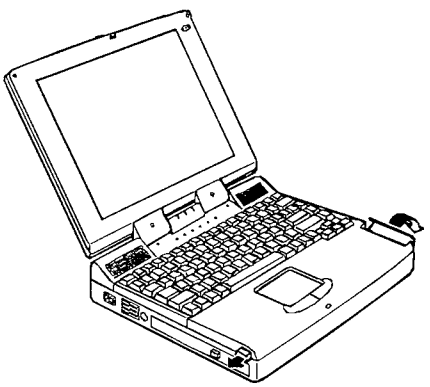


Figure 4-1. Unlocking the Memory Expansion Cover

3. Open the memory expansion cover.

Figure 4-2. Opening the Memory Expansion Cover

4. Remove the memory module from its anti-static wrapping.
5. Hold the memory module so that the edge connector is pointed towards the socket. Make sure the notch on the corner of the memory module mates with the notch on the socket.
6. Insert the memory module into the lower socket. Gently move the memory module back and forth until it is firmly seated.
7. Slowly move the memory module to a horizontal position until the locking tabs snap into the retaining notches or holes at each end of the module.

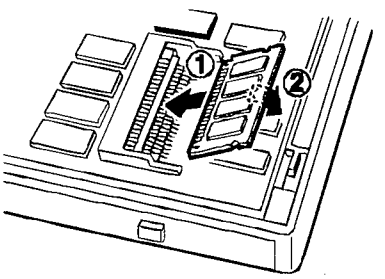


Figure 4-3. Securing the Memory Module

8. Repeat the same for the other memory module into the upper socket.
9. Close the memory expansion cover. Then close the PC card slot cover and return the locking knob to its original position.

Removing Memory Modules

If you want to remove a pair of memory modules, for example when you replace the pair with another pair of modules of a larger capacity, follow these steps:

1. Open the memory expansion cover as described in the Installing a Memory Module section.
2. When removing, be gentle and always start from the memory module on the top.
   Push the retaining notches which secure the memory module outwards until the memory module comes out of the notches. Gently move the memory module upward and remove it. Repeat the same with the other memory module of the pair.

4-2. Changing the Hard Disk Drive

You can easily remove the hard disk drive for upgrade or exchange with another optional hard disk drive (CE-A40HD).

To remove or replace the hard disk drive, follow the steps below.

Before changing the hard disk drive, be sure to power off the notebook and wait 10 seconds or more. Not doing so could damage the system and hard disk drive's sensitive electrical circuitry, and result in loss of data.

1. Power off the notebook, then disconnect the AC cord.
2. Position the notebook on a flat surface, then lift the notebook by the left side and turn it upside down.
3. Remove the hard disk drive screw and gently take out the hard disk drive.

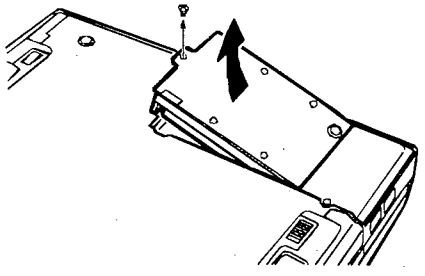


Figure 4-4. Removing the Hard Disk Drive

4. Detach the cable to completely remove the hard disk drive.

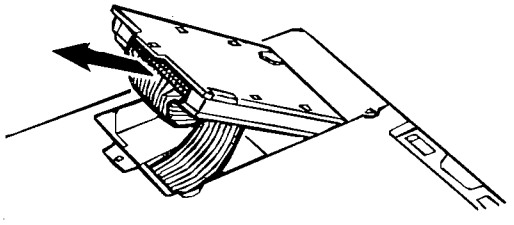


Figure 4-5. Detaching the Cable

5. Connect the cable to the new hard disk drive.
6. Fasten the hard disk drive screw removed earlier in step 3.
7. Turn the notebook upside down again. The new hard disk will be automatically configured by the Setup Utility.

1. Make regular backups of your data files from your hard disk to diskettes.
2. Never try to insert or remove the hard disk while the system is powered on. Doing so can result in loss of data, and can damage the system and the hard disk drive's sensitive circuitry.
3. Never turn off or reset the notebook while the HDD indicator LED above the keyboard is lit.
4. When your hard disk drive is removed from the notebook always store in a safe environment free from magnetic fields.

4-3. Changing the Battery

Install the second battery pack in place of the CD-ROM drive or the 3.5-inch floppy drive.

There is danger of explosion if the battery is incorrectly replaced. Replace the battery only with Sharp's optional battery packs. Discard used batteries according to the dealer's instructions.

Battery Life

The following table summarizes the battery life.

Installed Battery Pack	Charge Time Required (From Fully Discharged to Fully Charged)	Battery Life (When Fully Charged)
One	About 3 hours	About 2 hours
Two	About 5 hours	About 4 hours

The battery life depends on the power management settings, application software, etc.

Sharp sells other battery packs, but use only the CE-A40EB.

Changing the CD-ROM Drive or Floppy Disk Drive

The CD-ROM drive and the floppy disk drive are interchangeable with the battery packs. Installation is the same as described above for the battery pack. When the floppy drive is installed, it is accessible as drive A: to DOS and the Windows Explorer. When the CD-ROM drive is installed, it is accessible as drive D:.

5. System Mapping

The tables below list the memory map and system interrupt/DMA channel assignments for the notebook.

Memory Map

Table D-1: Upper Memory Address Map

Memory Address	Description	Size
A0000-BFFFFh	Used - VGA graphics	128KB
C0000-CBFFFh	Used - Video BIOS	48KB
CC000-EFFFFh	Available (UMB and PCMCIA Window)	144KB
F0000-FFFFFh	Used - System ROM	64KB

DMA Channels

Table D-2: DMA Channel Assignments

DMA Channel	Assignment
DMA 0	Available
DMA 1	Used - Audio
DMA 2	Used - Floppy
DMA 3	Available
DMA 4	System Reserved
DMA 5	Used - Audio
DMA 6	IrDA1.1
DMA 7	Available

System Interrupts

IRQ assignments can be changed by Windows 95. The following are fixed, or defaults.

Table D-3: System Interrupt Assignments

IRQ	Assignment
IRQ0	Used - System Timer
IRQ1	Used - Keyboard
IRQ2	Used - Slave Interrupt
IRQ3	Used - COM2
IRQ4	Used - COM1
IRQ5	Used - Audio
IRQ6	Used - Floppy
IRQ7	Used - LPT1
IRQ8	Used - RTC
IRQ9	Used - Software redirect
IRQ10	PCMCIA
IRQ11	Available
IRQ12	Used - PS/2 mouse
IRQ13	Used - NPU
IRQ14	Used - HDD
IRQ15	CD-ROM

I/O Address Map

Table D-4: I/O Address Map

Address	Device
000-01F	DMA Controller 1
020-021	Interrupt Controller 1
040-05F	Timer/Counter
060-06F	Keyboard Controller
070-07F	RTC & NMI Mask
080-08F	DMA Page Register
092	System Control Port
0A0-0A1	Interrupt Controller 2
0C0-0DF	DMA Controller 2
0F0-0FF	Math Coprocessor
170-17F	CD-ROM
1F0-1F7	Hard Disk Controller
200-207	Game port
240-253	Audio Chip
2F8-2FF	Serial Port 2
330,331	MIDI
350-35F	IrDA1.1
376,377	CD-ROM
378-37A	Parallel Port
388-38B	Audio Chip
3B0-3BB	VGA Controller
3CO-3DF	VGA Controller
3E0-3E1	PCMCIA Chip
3F0-3F7	Floppy Disk Controller
3F8-3FF	Serial Port 1

6. Port Pin Assignments

The tables below lists the pin assignments for the notebook's various ports.

Table E-1: Parallel Port Pin Assignments

Pin	Standard	EPP	ECP
1	Strobe	Write	Strobe
2	PData 0	PData 0	PData 0
3	PData 1	PData 1	PData 1
4	PData 2	PData 2	PData 2
5	PData 3	PData 3	PData 3
6	PData 4	PData 4	PData 4
7	PData 5	PData 5	PData 5
8	PData 6	PData 6	PData 6
9	PData 7	PData 7	PData 7
10	Ack	Intr	Ack
11	Busy	Wait	Busy, PeriphAck(3)
12	PE	(NU)	PError, nAckReverse(3)
13	Select	(NU)	Select
14	Autofd	Datastb	Autofd, HostAck(3)
15	Error	(NU)	Fault(1), PeriphRequest(3)
16	Init	(NU)	Init(1), ReverseBost(3)
17	Selectin	Addrstrb	Selectin(1,3)
18-25	Ground	Ground	Ground

Table E-2: Serial Port Pin Assignments

Pin	Signal	Pin	Signal
1	DCD	6	DSR
2	RD	7	RTS
3	SD	8	CTS
4	DTR	9	RI
5	GND		

Table E-3: Monitor Port Pin Assignments

Pin	Signal	Pin	Signal
1	Red	9	NC
2	Green	10	GND
3	Blue	11	NC
4	NC	12	SDA
5	GND	13	HSYNC
6	R-RTN	14	VSYNC
7	G-RTN	15	SCL
8	B-RTN		

Table E-4: External PS/2 Port Pin Assignments (PS/2 Keyboard)

Pin	Signal	Pin	Signal
1	KBDATA	4	VCC
2	NC	5	KBCLOCK
3	GND	6	NC

Table E-5: External PS/2 Port Pin Assignments (PS/2 Mouse)

Pin	Signal	Pin	Signal
1	MSDATA	4	VCC
2	NC	5	MSCLOCK
3	GND	6	NC

CHAPTER 2. SOFTWARE SPECIFICATIONS

1. Running the Setup Utility

Your notebook has been properly setup and configured prior to delivery. However, you may find it is necessary to use the notebook's Setup Utility to change system configuration information, such as time and date, port assignments, passwords or power management settings. The Setup Utility can be accessed when "Press <F2> to enter setup" appears at boot time.

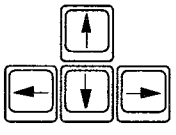
The settings you specify with the Setup Utility are recorded in a special area of memory called CMOS RAM. This memory is backed up by an independent backup battery so that it will not be erased when you turn off or reset the system. Whenever you turn on the power, the system reads the settings stored in CMOS RAM and compares them to the equipment check conducted during the power-on-self-test (POST). If an error occurs, an error message is displayed on screen, and you are prompted to run the Setup Utility.

The Setup Utility consists of four menu pages, as follows:

1. Main: basic system configuration (time/date, disk drive and memory settings)
2. Advanced: device interface configuration (I/O ports, sound settings)
3. Security: password settings
4. Power: Power management (battery saving settings)
5. Exit: exit the Setup Utility

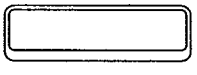
Using the Setup Utility

The following keys are used to maneuver among Setup options and to change values:



Use the cursor keys to move from one option to another.

Press these keys to move to the first or last item.



Press these keys to increase the numeric value or change to the next value of an option.

Press this key to decrease the numeric value or change to the previous value of an option.

Press this key to enter the Exit menu. From the Exit menu, you can make default settings or load previous values and so on.

Press this key to replace only the settings on the current setup page with their default values (date and time are not changed).

Press this key to restore the values you previously saved (date and time are not changed).

Press this key to display on-line help for the Setup Utility.

Changing Main Configuration Settings

The Main setup page of the Setup Utility which is illustrated below allows you to change the following information.

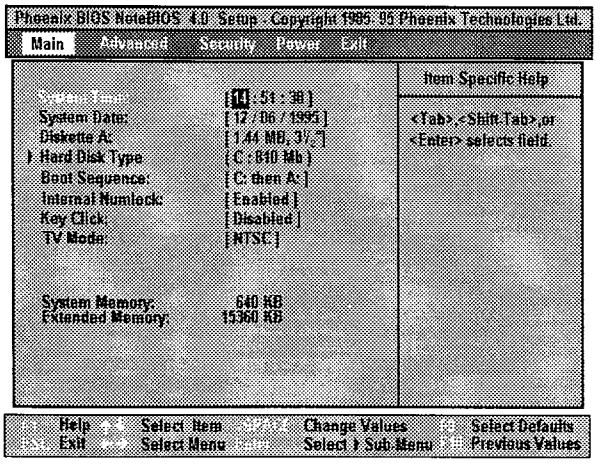


Figure 2-1. Setup Utility Main Configuration Screen

System Time This option allows you to change the system time, using the format *hour:minute:second* (24-hour format). Press the **Enter** key to move the cursor. You can also change the system time from the Windows Control Panel.

System Date This option allows you to change the system date, using the format *month/day/year.* Press **Enter** to move the cursor. You can also change the system date from the Windows Control Panel.

Diskette A This setting should generally be set to *1.44MB,3½".*

Hard Disk Type This setting determines the type of the internal hard disk. If it is set to Auto in the next screen, when the hard disk is replaced, the type of the new hard disk will automatically be identified.

Boot Sequence This setting determines where the boot program will look for operating system files. The default is *C:* then *A:*, which checks the hard disk first, and only checks the floppy drive if no system files are found on the hard disk
Other options for this setting are *A:* then *C:*, which check the floppy drive (A:) first, and if no system disk is found in the drive, the system boots from the hard drive; *C: only*, which never checks for system files on the floppy drive (the computer boots faster with these latter settings, but may appear frozen if the system files on the hard drive become damaged).

Internal Numlock If you are using an external keyboard, you may want to use the external keyboard's NumLock key. The NumLock key of the external keyboard also effects the built-in keyboard and the built-in keyboard turns on the NumLock status. To avoid this, set this option to *Off* before using the NumLock key on an external keyboard.

Key Click This setting enables or disables audio feedback of key click.

TV Mode This setting determines the TV mode when a TV is used for output. The options are *NTSC* (default) and *PAL.*

System Memory This is the size of 'conventional' memory to be made available directly to MS-DOS. It should be set to *640 KB.*

Extended Memory This field reports the amount of extended memory found by the BIOS during its POST. The value displayed is the amount of memory located above 1MB in the microprocessor's memory address map. The notebook automatically updates the value here when you enter the Setup Utility after you add an optional memory module.

Changing Advanced Configuration Settings

The Advanced setup page of the Setup Utility lets you configure I/O settings.

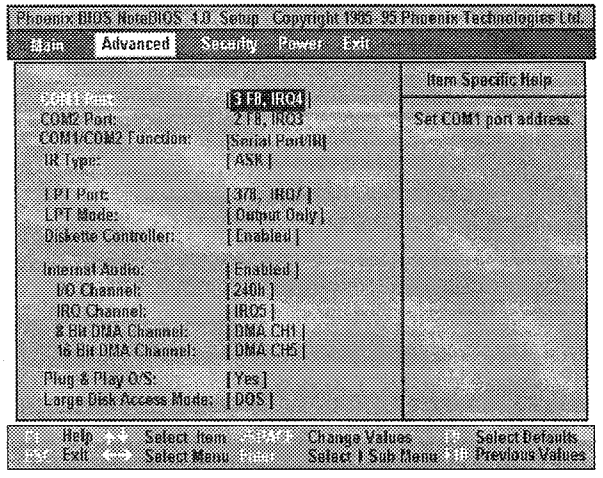


Figure 2-2. Setup Utility Advanced Configuration Screen

COM1 Port Indicates the I/O address and interrupt (IRQ) to be used when COM1 is selected by software. By default (and convention), these are set to *3F8h* and *IRQ4*.

COM2 Port Indicates the I/O address and interrupt to be used when COM2 is selected by software. By default (and convention), these are set to *2F8h* and *IRQ3*.

COM1/COM2 Function Indicates COM1 is assigned to *Serial Port* and COM2 is assigned to *IR*.

IR Type This selection determines the communications compatibility mode for the infrared port, according to the type of device with which the notebook is to communicate. You don't have to change this setting when using the supplied TranXit and IntelliLink Import/Export utilities. Available selections are *ASK, IrDA 1.0, IrDA 1.1 and Disabled.*

LPT Port Indicates the I/O address and interrupt to be used when printer port LPT1 is selected by software. By default, these are set to *378h* and *IRQ7*.

LPT Mode This option allows you to configure the notebook's parallel port as an *Output Only* printer port, a Bi-Directional port, or as an Extended Capabilities port. Select *ECP* for a Microsoft and Hewlett-Packard Extended Capabilities Port if you will be connecting a printer that benefits from these options.

Diskette Controller This setting should be *Enabled* whenever the internal floppy disk drive is installed. If you remove the drive, for example, to install a battery, this setting should be *Disabled.*

Internal Audio This setting enables or disables the internal audio. It sets the I/O Channel, IRQ Channel, 8bit DMA Channel, and 16bit DMA Channel.

Plug and Play O/S Set to *Yes* for OS supporting Plug and Play (Windows 95), *No* otherwise (DOS, Windows 3.1).

Large Disk Access Mode Available settings are *DOS* (the default), or *Other*. Use the DOS setting unless you install another operating system, such as UNIX.

Changing Security Configuration Settings

The Security setup page of the Setup Utility lets you set passwords.

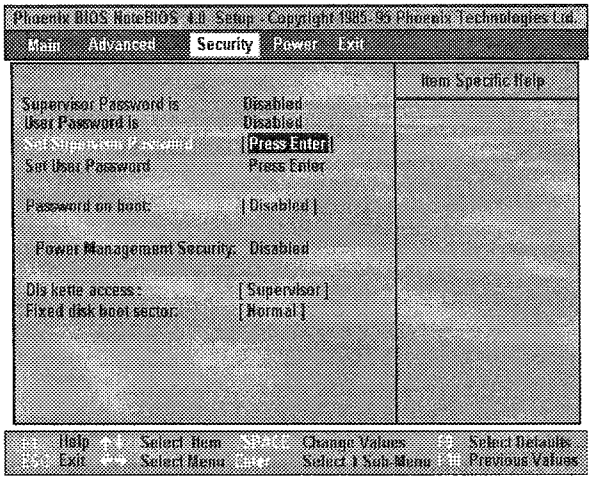


Figure 2-3. Setup Utility Security Configuration Screen

Supervisor Password is Indicates whether a Supervisor Password is required *(Enabled)* or not. If enabled, the password will be required to change certain configuration settings.

User Password is Indicates whether a User Password is required *(Enabled)* or not. If enabled, the password will be required to use the notebook.

Set Supervisor Password Select this field and press **Enter** to set a password.

Set User Password Select this field and press **Enter** to set a password.
Passwords can be up to seven characters in length, and can be cleared by pressing **Enter** twice.

If you lose your password, you will be unable to access the notebook or change the configuration, so make sure to select a password you will never forget, or write it down and protect it in a secure place. Otherwise, you will have to contact your dealer for assistance.

Password on boot Select *Enabled* if you want the notebook to prompt you for your password during bootup. If supervisor password is set and this option *disabled,* BIOS assumes user is booting. In other words, if Diskette access is set to *Supervisor*, then floppy disk access is not allowed.

Power Management Security If you set this setting to *enable*, when the notebook resumes from the suspend to Disk mode, you will be prompted to enter the password.

Diskette access This selection limits read/write access to floppy disks according to password entry at the last bootup. If set to *Supervisor*, floppy disk access will be enabled only if the Supervisor password was entered when the notebook was last booted. If set to *User,* access is enabled if either the Supervisor or User password was entered.

Fixed disk boot sector When this selection is *Write protect,* write access to the boot sector of hard and floppy disks is inhibited, to prevent possible virus infections from making disks inaccessible. However, note that other types of viruses can still cause damage to program and data files.
To change the partitioning of the hard disk or to install a new file system, this setting must be *Normal.*

2. Power Management

In addition to superior performance and an enhanced feature set, your notebook incorporates sophisticated power management features which allow you to extend battery life. You should think of your notebook's power conservation features as being organized into several, sometimes overlapping, levels of management, which together provide both manual and automatic control over which components of the notebook are drawing current at any given time.

Suspend Mode

Suspend mode is the lowest power consumption level your notebook can sustain. Two different suspend modes are Suspend to RAM and Suspend to Disk. As a default your system is set to Suspend to RAM. You can program the notebook to suspend to RAM or to disk by using the *Suspend Mode* item in the Setup Utility.

Suspend to RAM

When the notebook suspends to RAM, an alerting beep sounds, and the state of the notebook is stored to RAM. All but a few essential components of your notebook power down. Pressing any key allows the notebook to return to exactly the same state it was in when suspend mode was activated. You can use Suspend to RAM when you have to pause your computing but plan to resume working after a short interval, since operation resumes almost immediately.

Suspend to Disk

You can also configure your notebook to suspend to disk. The system preserves all the running application programs as a file in a "suspend-to-disk partition" on the hard disk drive. The notebook then turns off automatically. When you next turn on the notebook, it reads the file from the suspend-to-disk partition back into memory, so that your notebook is returned to exactly the same state it was in when you suspended it.

Suspend to disk is a very useful feature. People frequently open many applications and have them iconized on the Windows screen. It takes some time to get all these applications open and running, and normally they all have to be closed before the system can be turned off. If you use the Suspend to Disk feature, you don't need to close the applications as the state of your notebook is saved to disk. When you next turn on your notebook, your Windows screen, with all the applications open, will be recreated in just a few seconds.

Suspend-to-Disk Partition

50MB of your hard disk space has been reserved as the suspend-to-disk partition when shipped from the factory. This means you can safely suspend to disk if the notebook has up to 48MB of installed memory.

Entering Suspend Mode

Suspend mode can be activated in any of the following ways:

- By clicking *Suspend* on the Windows Start menu. From the Windows *Start* button, point to *Suspend.*
- By pressing **Fn+F12**.
- By setting the *Auto Suspend* option in the Setup Utility to automatically suspend after a certain period of notebook inactivity; see the section on *Changing Power Configuration Settings* for details.
- By closing the *cover* (always suspends to RAM).
- By the Power switch (if so configured in the Setup Utility).
- By low battery voltage. During normal operation, the notebook will suspend to disk immediately. If already suspended to RAM, the data is copied to disk if the *Auto Suspend to Disk* setting is enabled in the Setup Utility (otherwise, the data is lost if the batteries drain completely).

Resuming from Suspend Mode

Normally, resuming from a suspend mode is triggered as follows:

- By the power switch (if so configured in the Setup Utility).
- If Suspend to RAM is active, by pressing any key.
- Also, if the suspend state was entered by closing the cover, operation resumes when the cover is opened (as long as battery voltage is sufficient).
- However, if the suspend state was caused by the battery capacity dropping below a certain level, operation can be resumed only after AC power is connected or a charged battery installed, and then only by the power switch.

When a resume event occurs, the system returns to where it was when suspend mode was entered, e.g., software applications open, the display reappears and the cursor returns, etc.

1. Do not touch the Glide pad while the notebook is in the suspend/resume procedure.
2. To be able to recognize the PC Card when resuming from the suspend mode, Suspend Mode must be set to Suspend to RAM and PCMCIA Power during Suspend to RAM be set to Enabled, in the Setup Utility program.
3. If a PC Card does not resume normal operation after resuming from a Suspend (to Ram or Disk), you may have to Restart the computer to restore normal operation. Not all PC cards can recover from a suspended state with power off.

Advanced Power Management (APM)

In addition to the power saving features designed into the notebook's hardware and ROM BIOS firmware, your notebook complies with the Advanced Power Management (APM) specification. Through an APM device driver supplied with your operating system, the operating system is able to notify the notebook's ROM BIOS when system resources, such as the keyboard, I/O ports, display panel and microprocessor, are not in use. The notebook's APM-aware ROM BIOS is then able to selectively power down system components that are not in use.

Windows provides you with APM which gives you effective power management while using the Windows environment. From the Windows Start button, point to Settings, then *Control Panel.* In this window you will see an icon of a battery and an AC plug labeled *Power.* Double-click this icon to display the *Power Properties* window. From this window you can select advanced or standard power management, or disable the power management. The window also displays a battery meter. You can also select whether the battery meter icon is displayed beside the clock on the taskbar.

3. Changing Power Configuration Settings

You can configure power management settings using the Power configuration screen of the Setup Utility. Power settings allow you to control current drain by peripheral devices and put them in suspend mode when not in use. By continually monitoring the state of these devices, and shutting off the flow of current to idle devices, battery life can be extended.

You can access the Power configuration screen of the Setup Utility to set power management parameters in the following way:

- Press the **F2** key when prompted on screen just after you have turned on or reset the notebook and before Windows starts. Then press the arrow keys to select Power on the menu at the top of the Setup Utility screen.

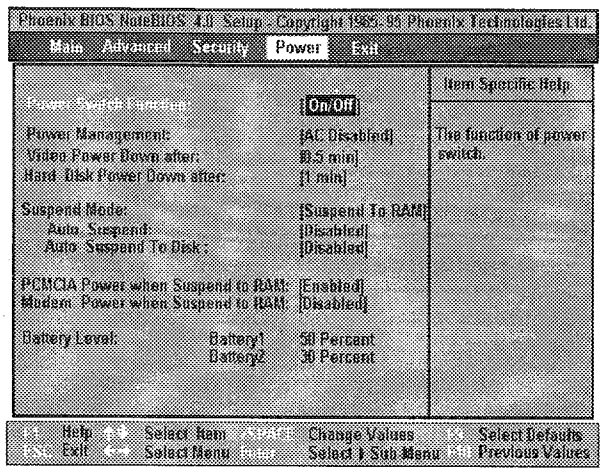


Figure 2-4. Setup Utility Power Configuration Screen

Power Switch Function selects whether the power switch turns the notebook on and off (the default), or just turns the Suspend mode on and Resume.

Power Management allows you to enable or disable power management. When this option is *Disabled*, all power management settings specified are ignored. When set to *AC Disabled* (the default), power management is disabled only when the notebook is powered by AC.

Video Power Down after allows you to specify a period of inactivity after which the LCD and backlight are turned off. Possible values include *Disable*, or *0.5* to *15 min* (default is 0.5 minute). When the specified time elapses without a keypress or cursor movement, the display goes black. Press any key to reactivate the display.

Hard Disk Power Down after allows you to specify a period of inactivity after which the hard disk drive is shut down. Possible values include *Disable*, or *1* to *16 min* (default is 1 minute). When the specified time elapses without accessing the drive, the drive turns off. You will notice a slight delay when a resume event occurs, while the hard disk drive powers back up.

Suspend Mode This option allows you to select, when a suspend event occurs, to *Suspend to RAM* (the default), or *Suspend to Disk*. The exceptions are: the notebook suspends to RAM for cover switch event and suspend to disk for critical battery event.

Auto Suspend Timeout disabled by default, this setting allows you to specify a period from 5 to 60 minutes after which the notebook automatically enters Suspend mode.
When the time-out you specify elapses, the notebook becomes inactive; all device activity is suspended and the processor is powered off. If the Suspend to RAM feature has been selected, only memory is powered so that stored information can be retrieved instantly when a resume event occurs. If the Suspend to Disk feature has been selected, all information in memory is saved to a special partition on the hard disk drive before the system powers off.

Auto Suspend to Disk disabled by default, you can enable this setting to cause data stored in RAM (by a Suspend to RAM) to be automatically copied to the Suspend to Disk partition if battery voltage drops to the critical level during Suspend to RAM.

PCMCIA Power when Suspend to RAM enabled by default, this setting determines whether power is applied to the PCMCIA slot while the notebook is in the Suspend to RAM state. You can disable it to save power, but any PC Card will be disabled when a Suspend to RAM occurs, and may require re-initialization when operation resumes.

Modem Power when Suspend to RAM This option is not available.

Battery Level The % charge level of battery 1, 2 is displayed here.

3. Saving Your Changes

To exit the Setup Utility and save your changes, press the Esc key, or go to the Exit menu, select an exit method, then press the Enter key.

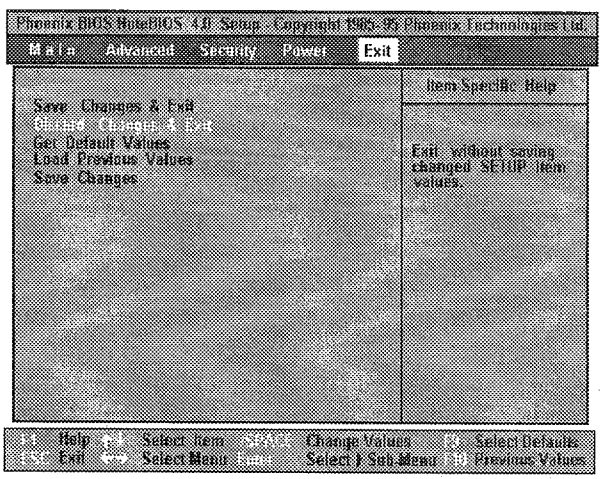


Figure 2-5. Setup Utility Exit Screen

Five options are available: Save Changes & Exit, Discard Changes & Exit, Get Default Values, Load Previous Values, and Save Changes.

4. The POST Component

1. POST Tables

*Phoenix*BIOS 4.04 incorporates a table-driven POST (Power-On Self Tests) to improve the flexibility, modularity, and support of the product. The POST sequence is controlled by a central dispatcher that uses one or more of the following tables:

postColdStartTable -	Defines the POST sequence during power-on or hard reset.
postWarmStartTable -	Defines the POST sequence during a keyboard reset.
postShutdownFourTable -	Defines the POST sequence for a shutdown 4.
postShutdownFiveTable -	Defines the POST sequence for a shutdown 5.
postShutdownNineTable -	Defines the POST sequence for a shutdown 9.
postShutdownTenTable -	Defines the POST sequence for a shutdown 10.
postShutdownErrorTable -	Defines the POST sequence if an illegal shutdown occurs during POST.

2. POST Tables Format

Each entry in a POST table has the following form:

```
postProc <tpCode, hookRoutine, postRoutine>
```

where postProc is a structure of the following form:

```
postProcSTRUC
postCodeDWTP CODE
posthookDWOFFSET hookRoutine
postOffsetDWOFFSET postRoutine
postProcENDS
```

If the low byte of TP_CODE is non-zero, it is output to port 80H. TP_CODE is also passed to the post routine in the CX register. This is useful because it permits POST routines to do error reporting without hard coded error codes.

hookRoutine can be defined at the OEM level as a hook to be executed before the POST routine. If the hook is not defined, it will automatically be resolved with a stub.

postRoutine is the offset address of the POST routine to be executed.

3. POST Dispatcher Operation

All POST routines, whether stackless or not, are entered and exited by jump instructions. POST routines must terminate with the following instruction:

```
JMPpostTaskReturn ;return to dispatcher
```

Hooks may terminate by either:

```
JMPpostHookReturn ;return to execute the
POST routine
```

or

```
JMPpostTaskReturn ;return and skip the POST
routine
```

Register BX contains a pointer into the current POST table and normally must be preserved by both POST routines and hook routines. POST routines can modify the POST sequence by reloading the BX register.

Routines that modify the BX register should re-enter the dispatcher with the following instruction:

```
JMPpostProcessShutdownTable
```

Register CX is loaded by the dispatcher with the current test point code before each POST routine is executed.

Register DX is never modified by the dispatcher and may be used to pass parameters from one POST routine to the next.

These registers are initialized by the dispatcher before every POST routine is executed:

AX	address of POST routine entry point
BX	dispatch table pointer (must be preserved)
CX	test point code
DX	preserved from previous task
DS	BIOS Data Area (0040H)
ES	base page (0000H)
SS	base page (0000H)
SP	07C00H

4. POST Memory Tests

*Phoenix*BIOS 4.04 POST memory tests execute very quickly because the following three assumptions have been made:

1. Under normal conditions, the purpose of a self test is to detect field failures in a system which was previously functional. Field failures almost always involve the failure of one or more address bits, the failure of a data bit, or the complete failure of a RAM chip.
2. Computer systems built today and in the future use DRAM devices of at least one megabit or larger. This assumption permits a fast test to verify address and data lines for a large block of memory.
3. *Phoenix*BIOS 4.04 is designed for use only with 386 compatible processors and above. All memory tests are executed in real mode using one 4 gigabyte data segment and 32 bit memory accesses.

Memory tests are not executed at all during a keyboard reset.

5. POST Errors

5-1. Recoverable POST Errors

Whenever a recoverable error occurs during POST, *Phoenix*BIOS displays an error message describing the problem.

*Phoenix*BIOS also issues a beep code (one long tone followed by two short tones) during POST if the video configuration fails (no card installed or faulty) or if an external ROM module does not properly checksum to zero.

An external ROM module (e.g. VGA) can also issue audible errors, usually consisting of one long tone followed by a series of short tones.

5-2. Terminal POST Errors

There are several POST routines that issue a **POST Terminal Error** and shut down the system if they fail. Before shutting down the system, the terminal-error handler issues a beep code signifying the testpoint error, writes the error to port 80h, attempts to initialize the video, and writes the error in the upper left corner of the screen (using both mono and color adapters).

The routine derives the beep code from the testpoint error as follows:

1. The 8-bit error code is broken down to four 2-bit groups.
2. Each group is made one-based (1 through 4) by adding 1.
3. Short beeps are generated for the number of times in each group.

Example:

```
Testpoint 01Ah = 00 01 10 10 = 1-2-3-3 beeps
```

If the BIOS detects error 2C or 2E, it displays an additional word of information reflecting the bit or address line that failed. For example, if "2C 0002" is displayed, address line 1 (represented by bit one) has failed. If "2E 1020" is displayed, then data bits 12 and 5 have failed in the upper 16 bits.

BIOS sends the same information to the port-80 LED display. The check point code is followed by a delay, the high order byte, another delay, and then the low order byte of the error. This will be repeated continuously.

5-3. Test Points

At the beginning of each POST routine, the BIOS outputs the test point error code to I/O address 80h. Use this code during trouble shooting to establish at what point the system failed and what routine was being performed.

Some motherboards are equipped with a seven-segment LED display that displays the current value of port 80h. For production boards which do not contain the LED display, you can purchase a card that performs the same function.

If the BIOS detects a terminal error condition, it halts POST after issuing a terminal error beep code (See above) and attempting to display the error code on upper left corner of the screen and on the port 80h LED display. It attempts repeatedly to write the error to the screen, causing "hash" on some CGA displays.

If the system hangs before the BIOS can process the error, the value displayed at the port 80h is the last test performed. In this case, the screen does not display the error code.

The following is a list of the checkpoint codes written at the start of each test and the beep codes issued for terminal errors:

Table 5. PhoenixBIOS POST Test Points.

Code	Beeps	POST Routine Description
02		Verify Real Mode
04		Get CPU type
06		Initialize system hardware
08		Initialize chipset registers with initial POST values
09		Set in POST flag
0A		Initialize CPU registers
0C		Initialize cache to initial POST values
0E		Initialize I/O
0F		Initialize the local bus IDE
10		Initialize Power Management
11		Load alternate registers with initial POST values
12		Jump to UserPatch0
14		Initialize keyboard controller
16	2-2-3	BIOS ROM checksum
18		8254 timer initialization
1A		8237 DMA controller initialization
1C		Reset Programmable Interrupt Controller
20	3-1-1	Test DRAM refresh
22	3-1-3	Test 8742 Keyboard Controller
24		Set ES segment register to 4 GB
28		Autosize DRAM
2A		Clear 512K base RAM
2C	3-4-1	Test 512K base address lines
2E	3-4-3	Test 512K base memory
32		Test CPU bus-clock frequency
34		Test CMOS RAM
35		Initialize alternate chipset registers.
37		Reinitialize the chipset (MB only)
38		Shadow system BIOS ROM
39		Reinitialize the cache (MB only)
3A		Autosize cache
3C		Configure advanced chipset registers
3D		Load alternate registers with CMOS values
40		Set Initial CPU speed
42		Initialize interrupt vectors
44		Initialize BIOS interrupts
46	2-1-2-3	Check ROM copyright notice
47		Initialize manager for PCI Option ROMs
48		Check video configuration against CMOS
49		Initialize PCI bus and devices
4A		Initialize all video adapters in system
4C		Shadow video BIOS ROM
4E		Display copyright notice
50		Display CPU type and speed
51		Initialize EISA board
52		Test keyboard
54		Set key click if enabled
56		Enable keyboard
58	2-2-3-1	Test for unexpected interrupts
5A		Display prompt "Press F2 to enter SETUP"
5C		Test RAM between 512 and 640k
60		Test extended memory
62		Test extended memory address lines
64		Jump to UserPatch1
66		Configure advanced cache registers
68		Enable external and CPU caches
6A		Display external cache size
6C		Display shadow message
6E		Display non-disposable segments
70		Display error messages
72		Check for configuration errors
74		Test real-time clock
76		Check for keyboard errors
7C		Set up hardware interrupt vectors
7E		Test coprocessor if present
80		Disable onboard I/O ports.
82		Detect and install external RS232 ports
84		Detect and install external parallel ports
86		Re-initialize onboard I/O ports.
88		Initialize BIOS Data Area
8A		Initialize Extended BIOS Data Area
8C		Initialize floppy controller
90		Initialize hard-disk controller
91		Initialize local-bus hard-disk controller
92		Jump to UserPatch2
93		Build MPTABLE for multi-processor boards
94		Disable A20 address line
96		Clear huge ES segment register
98		Search for option ROMs
9A		Shadow option ROMs
9C		Set up Power Management
9E		Enable hardware interrupts
A0		Set time of day
A2		Check key lock
A4		Initialize typematic rate
A8		Erase F2 prompt
AA		Scan for F2 key stroke
AC		Enter SETUP
AE		Clear in-POST flag
B0		Check for errors
B2		POST done - prepare to boot operating system
B4		One beep
B6		Check password (Optional)
B8		Clear global descriptor table

Code	Beeps	POST Routine Description
BC		Clear parity checkers
BE		Clear screen (optional)
BF		Check virus and backup reminders
C0		Try to boot with INT 19
D0		Interrupt handler error
D2		Unknown interrupt error
D4		Pending interrupt error
D6		Initialize option ROM error
D8		Shutdown error
DA		Extended Block Move
DC		Shutdown 10 error
		The following are for boot block in Flash ROM
E2		Initialize the chipset
E3		Initialize refresh counter
E4		Check for Forced Flash
E5		Check HW status of ROM
E6		BIOS ROM is OK
E7		Do a complete RAM test
E8		Do OEM initialization
E9		Initialize interrupt controller
EA		Read in the bootstrap code
EB		Initialize all vectors
EC		Boot the Flash program
ED		Initialize the boot device
EE		Boot code was read OK

If the BIOS detects error 2C, 2E, or 30 (base 64K RAM error), it displays an additional word of information reflecting the bit or address line that failed. For example, if "2C 0002" is displayed, address line 1 (represented by bit one) has failed. If "2E 1020" is displayed, then data bits 12 and 5 have failed in the upper 16 bits. Note that error 30 cannot occur on 386SX systems because they have a 16 rather than 32-bit bus.

BIOS sends the same information to the port-80 LED display. The check point code is followed by a delay, the high order byte, another delay, and then the low order byte of the error. This will be repeated continuously.

6. PhoenixBIOS Messages

The following is an alphabetic list of error-and-status messages which *Phoenix*BIOS can generate and an explanation of each message. Many of the messages below refer to the built-in Setup program.

nnnn Cache SRAM Passed Where nnnn is the amount of system cache in kilobytes successfully tested.

Diskette drive A error or
Diskette drive B error Drive A: or B: is present but fails the BIOS POST diskette tests. Check to see that the drive is defined with the proper diskette type in Setup and that the diskette drive is attached correctly.

Entering SETUP ... Starting Setup program

Extended RAM Failed at offset: nnnn Extended memory not working or not configured properly.

nnnn Extended RAM Passed Where nnnn is the amount of RAM in kilobytes successfully tested.

Failing Bits: nnnn The hex number nnnn is a map of the bits at the RAM address (in System, Extended, or Shadow memory) which failed the memory test. Each 1 (one) in the map indicates a failed bit.

Fixed Disk *x* Failure or
Fixed Disk Controller Failure (where *x* = 1-4) Fixed disk is not working or not configured properly. Check to see if fixed disk is attached properly. Run Setup to ensure that the fixed-disk type is correctly identified.

Incorrect Drive A type - run SETUP Type of floppy drive A: not correctly identified in Setup.

Incorrect Drive B type - run SETUP Type of floppy drive B: not correctly identified in Setup.

Invalid NVRAM media type Problem with NVRAM access.

Keyboard controller error The keyboard controller failed test. You may have to replace keyboard or controller.

Keyboard error Keyboard not working.

Keyboard error nn BIOS discovered a stuck key and displays the scan code for the stuck key.

Keyboard locked - Unlock key switch Unlock the system to proceed.

Monitor type does not match CMOS - Run SETUP Monitor type not correctly identified in Setup

Operating system not found Operating system cannot be located on either drive A: or drive C:. Enter Setup and see if fixed disk and drive A: are properly identified.

Parity Check 1 nnnn Parity error found in the system bus. BIOS attempts to locate the address and display it on the screen. If it cannot locate the address, it displays ????.

Parity Check 2 nnnn Parity error found in the I/O bus. BIOS attempts to locate the address and display it on the screen. If it cannot locate the address, it displays ????.

Press <F1> to resume, <F2> to Setup Displayed after any recoverable error message. Press <F1> to start the boot process or <F2> to enter Setup and change any settings.

Press <F2> to enter SETUP Optional message displayed during POST. Can be turned off in Setup.

Previous boot incomplete - Default configuration used
Previous POST did not complete successfully. POST loads default values and offers to run Setup. If the failure was caused by incorrect values and they are not corrected, the next boot will likely fail. On systems with control of wait states, improper Setup settings can also terminate POST and cause this error on the next boot. Run Setup and verify that the wait-state configuration is correct. This error is cleared the next time the system is booted.

Real time clock error Real-time clock fails BIOS test. May require board repair.

Shadow Ram Failed at offset: nnnn Shadow RAM failed at offset nnnn of the 64k block at which the error was detected.

nnnn Shadow RAM Passed Where nnnn is the amount of shadow RAM in kilobytes successfully tested.

System battery is dead - Replace and rum SETUP The CMOS clock battery indicator shows the battery is dead. Replace the battery and run Setup to reconfigure the system.

System BIOS shadowed System BIOS copied to shadow RAM.

System cache error - Cache disabled RAM cache failed the BIOS test. BIOS disabled the cache.

System CMOS checksum bad - run SETUP System CMOS has been corrupted or modified incorrectly, perhaps by an application program that changes data stored in CMOS. Run Setup and reconfigure the system.

System RAM Failed at offset: nnnn System RAM failed at offset nnnn of in the 64k block at which the error was detected.

nnnn System RAM Passed Where nnnn is the amount of system RAM in kilobytes successfully tested.

System timer error The timer test failed. Requires repair of system board.

UMB upper limit segment address: nnnn Displays the address of the upper limit of Upper Memory Blocks, indicating released segments of the BIOS which may be reclaimed by a virtual memory manager.

Video BIOS shadowed Video BIOS successfully copied to shadow RAM

CHAPTER 3. TECHNICAL SPECIFICATIONS

The table below shows the physical and technical characteristics of the notebook.

Table 3-1: Notebook Specifications

Specification	PC-9040	PC-9070
CPU	Intel Pentium 120MHz	Intel Pentium 133MHz
System BIOS	256KB Flash EPROM	
On board Memory	8MB EDO RAM standard (max. 40MB)	16MB RAM standard (max. 48MB)
	expandable with 4, 8 and 16MB memory modules (2 sockets)	
L2 Cache	None	256KB PBSRAM
CD-ROM	Quadruple speed can be substituted with battery pack	
Floppy disk drive	one 3.5", 1.44MB floppy disk drive can be substituted with battery pack	
Hard disk drive	one removable 2.5" hard disk drive	
Display	11.3" TFT Active Matrix 64k Color LCD panel	12.1" TFT Active Matrix 64k Color LCD panel
	800 × 600 SVGA resolution	
Video Controller	PCI-bus SVGA controller with Windows 95 DCI accelerator Simultaneous LCD/CRT display capability, up to 1024 × 768 resolution for CRT, 1MB Video memory	
Keyboard	Windows 95 87/88-key keyboard	
Pointing device	Glide pad (touch-sensitive control pad) with 2 buttons	
PC Card slots	PCMCIA 2.1 Type III (Type II × 2), ExCA compliant	
Audio	SoundBlaster 16 compatible 16-bit stereo, with built-in microphone and stereo speakers	
I/O Ports	One serial, one parallel (EPP/ECP), one VGA, one PS/2 keyboard/mouse One infrared, ASK and IrDA (115kbps and 4Mbps) compliant External microphone jack, stereo line-in and line-out jacks Video output jack for composite video monitor Bus expansion slot (Port Replicator)	
Power supply	One or two 2500-mAh rechargeable Lithium-ion battery packs (in place of CD-ROM and/or floppy drive), or built-in AC adapter (must be used when both CD-ROM and floppy drives are installed). Second Battery Pack is an option. Battery life: approx. 500 charge/discharge cycles with 2 to 3 hours operation per cycle, per pack (4 to 6 hours with two)	
AC Adapter	Built-in auto-switching AC adapter (100V to 240V, 50/60 Hz)	
Dimensions	11.69 (w) × 9.65(d) × 2.28(h) inches (297 × 245 × 58 mm)	
Weight	3.4kg	
Software (pre-installed)	Windows 95, Sharp Player, IntelliLink, TranXit, PowerPanel, Netscape Internet browser, Backup utilities, Sound utilities, High-resolution video driver, IR driver	

PC-9040 may not be available in some countries.

Table 3-2: Optional Memory Module Specifications

Specification	CE-301B	CE-302B	CE-303B
Capacity	4MB (Eight 1M × 4, 70ns DRAMs)	8MB (Four 2M × 8, 70ns DRAMs)	16MB (Eight 4M × 4, 70ns DRAMs)
Size	2.35(w) × 1(d) × 0.15(h) inches (59.69 × 25.4 × 3.8 mm)		
Weight	6.0 g	5.5 g	7.5 g

Table 3-3: Optional Hard Disk Drive Specifications

Specification	CE-A40HD
Capacity	1.1GB
Size	2.95(w) × 4.53(d) × 0.98(h) inches (75 × 115 × 25 mm)
Weight (including cover)	0.40 lb. (180 g)

Table 3-4: Optional Battery Pack Specifications

Specification	CE-A40EB
Capacity	2500mAh
Size	5.18(w) × 4.57(d) × 0.98(h) inches (131.5 × 116 × 24.8 mm)
Weight	0.95 lb. (430 g)

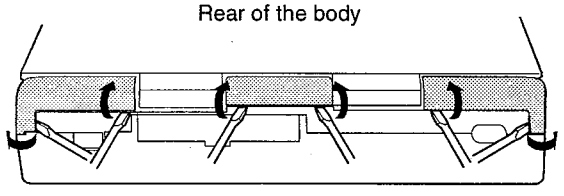
Table 3-5: Optional Port Replicator Specifications

Specification	CE-A40PR
Ports	One PC Card Type III (two PC Card Type II), One each serial, parallel, VGA, PS/2 keyboard, PS/2 mouse, MIDI/Joystick, Stereo Line-in, Stereo phones-out, Video Out Powered by notebook supply
Size	11.7(w) × 5.7(d) × 3.03(h) inches (298 × 145.3 × 77 mm)

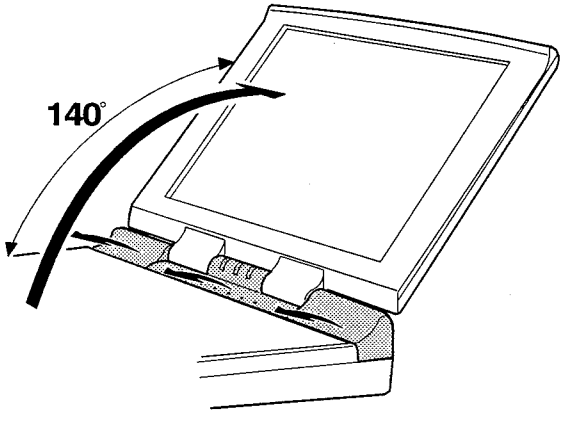
CHAPTER 4. DISASSEMBLY AND ASSEMBLY

4-1. Speaker cover R/L, function lamp cover disassembly

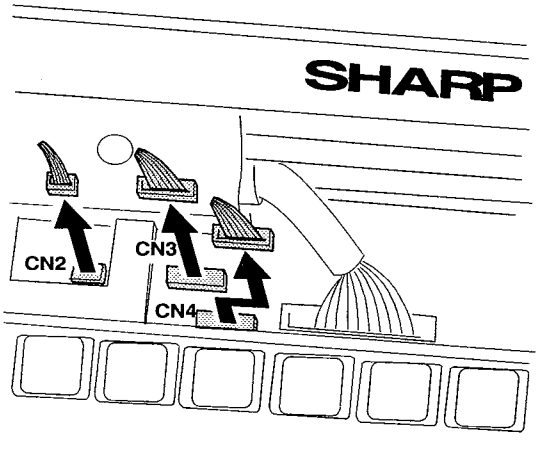
- With the LCD unit closed, disengage the six pawls shown in the figure.



- Open the LCD unit about 140 degrees.

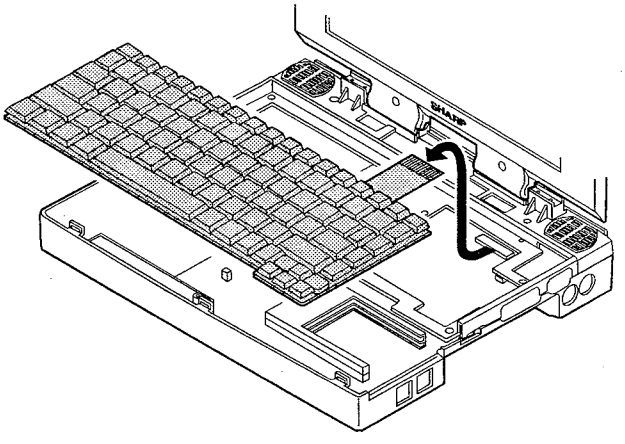


- Remove cables from CN2, CN3, and CN4.



4-2. Glide point panel, keyboard unit disassembly

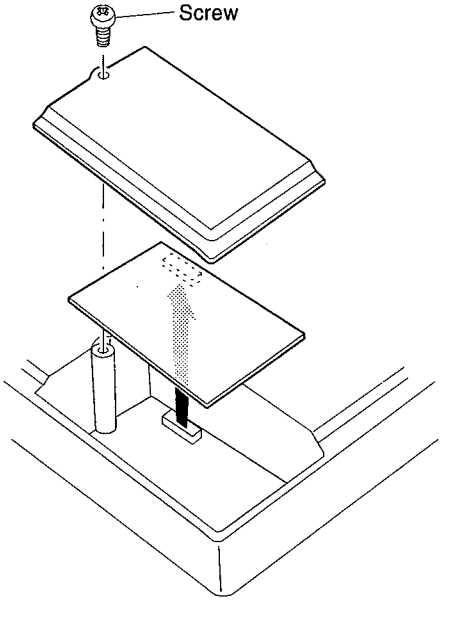
- Lift the keyboard, unlock the keyboard connector CN6, and remove the keyboard.



1. MODEM board disassembly

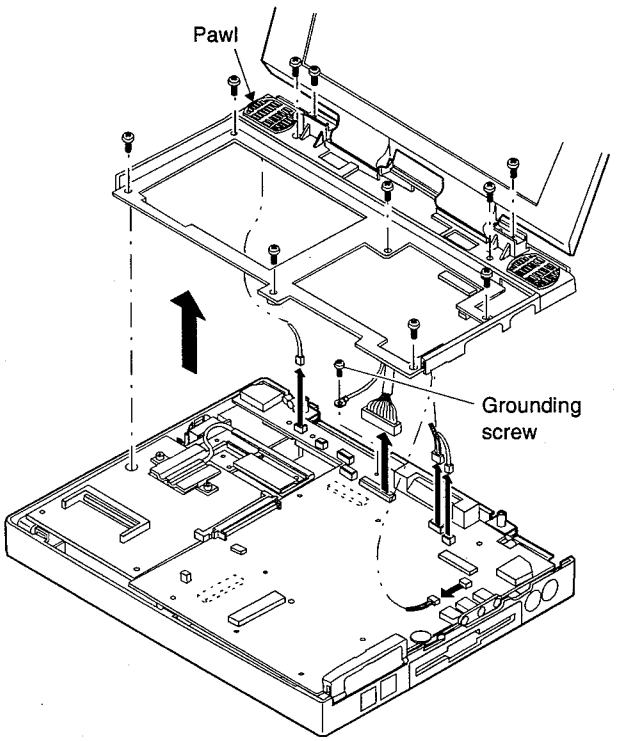
Rear surface of the body

- Remove the screw and remove the cover.
- Remove the MODEM board from the connector.



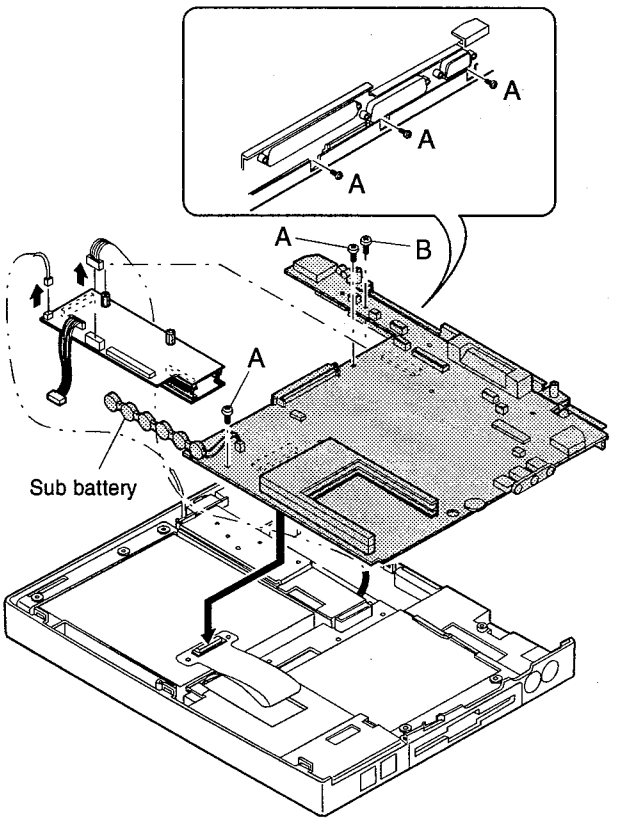
4-3. Upper cabinet disassembly

- Remove the LCD grounding wire, and disconnect CN8.
- Remove the eight screws on the upper cabinet.
- Extend the pawls and the lower cabinet outside, and slide the upper cabinet from the left towards the upper side.
- Disconnect CN1, CN13, CN15, and CN17 from the main board.
- Remove the upper cabinet.



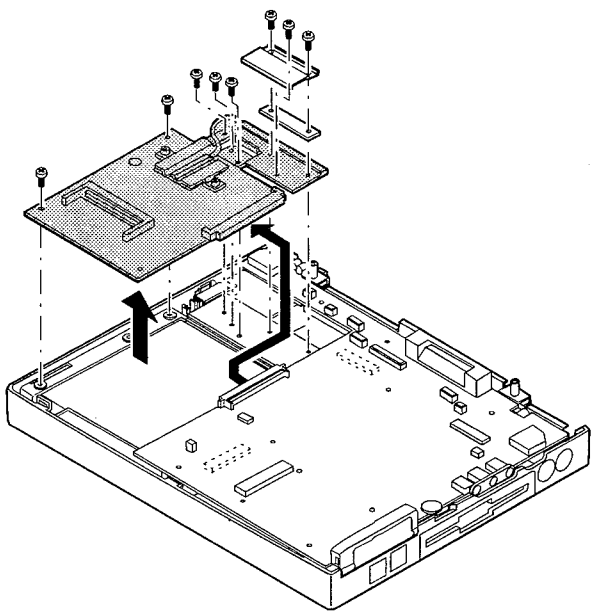
4-5. Main board disassembly

- Remove the sub battery from the holder.
- Disconnect CN1 and CN3 on the DC/DC board.
- Remove the five screws.
- Lift the main board and disconnect CN25.
- Remove the screw B, and remove the DC/DC board.



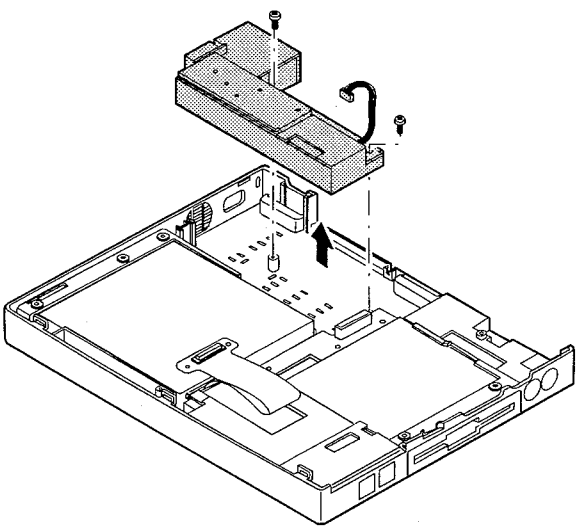
4-4. CPU board disassembly

- Remove the power cable from CN2
  Remove the seven screws, slide and remove the connector to the left.



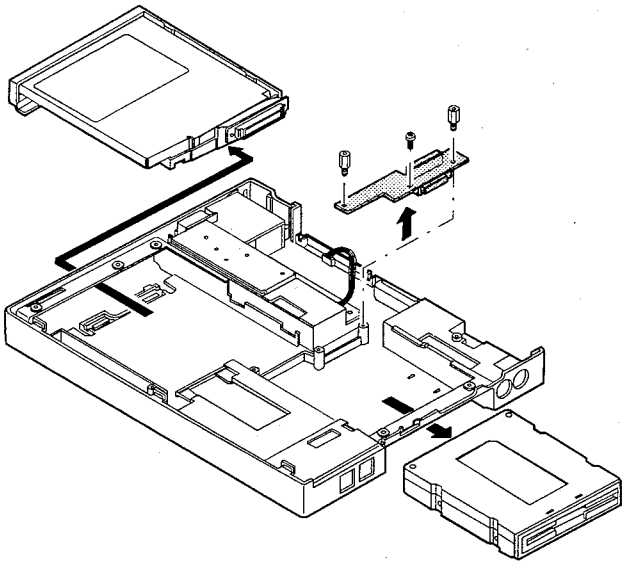
1. AC-DC power unit disassembly

- Remove the two screws.



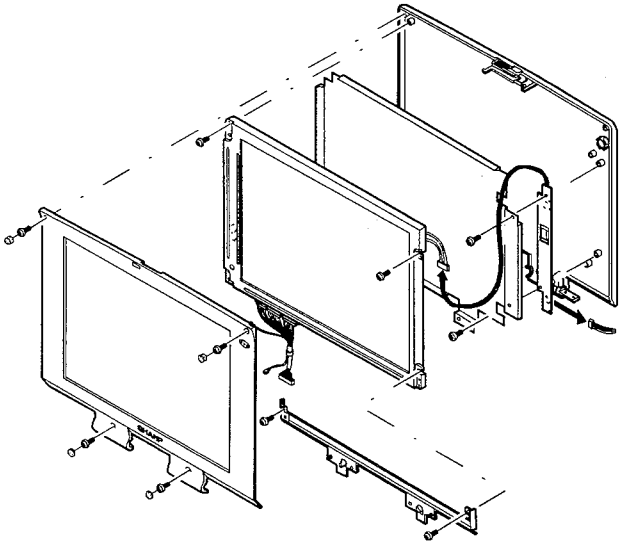
2. Connector board disassembly

- Remove the CD ROM drive and the FDD.
- Remove the two nuts and one screw.



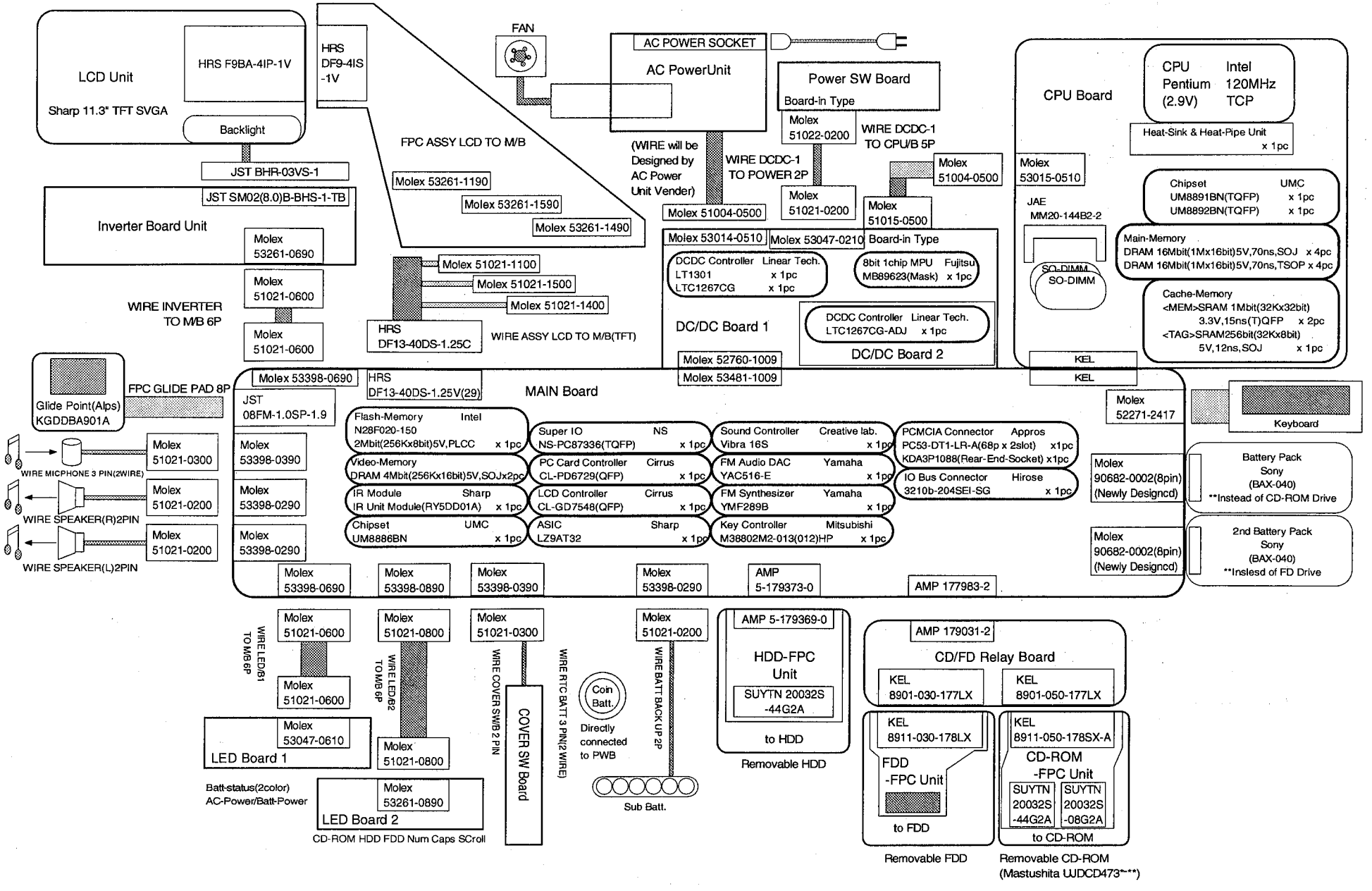
3. LCD unit disassembly

- Remove the upper cabinet.
- Remove the four rubber blind plates.
- Remove the four screws.
- Disengage the 18 pawls from the upper side.
- Remove the two screws on the invertor board.
- Disconnect CN1 and CN2 on the invertor board.
- Remove the four screws from the LCD unit.
- Remove the FPC from the LCD.

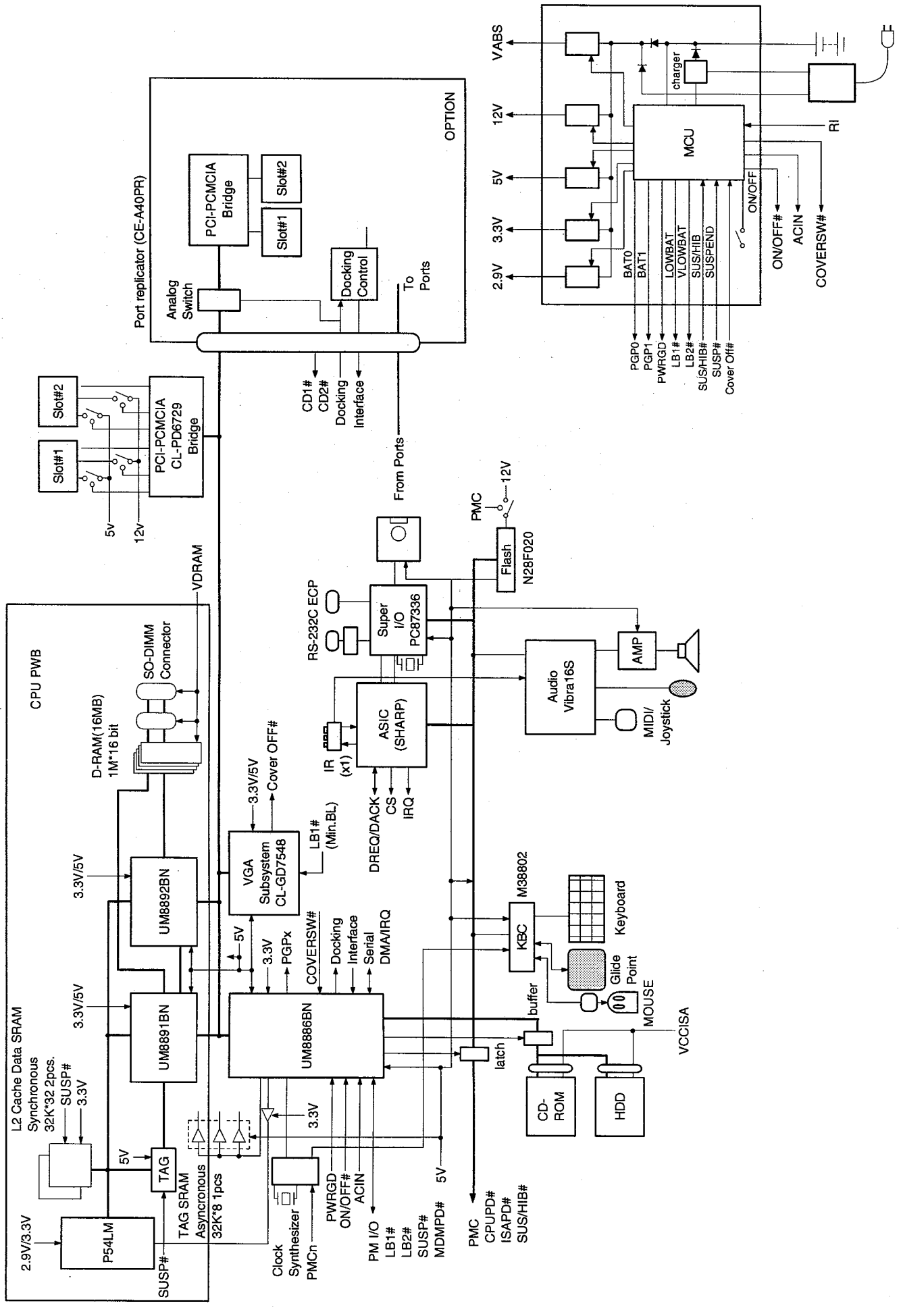


CHAPTER 5. BLOCK DIAGRAM

Key-parts Block Diagram



Block Diagram

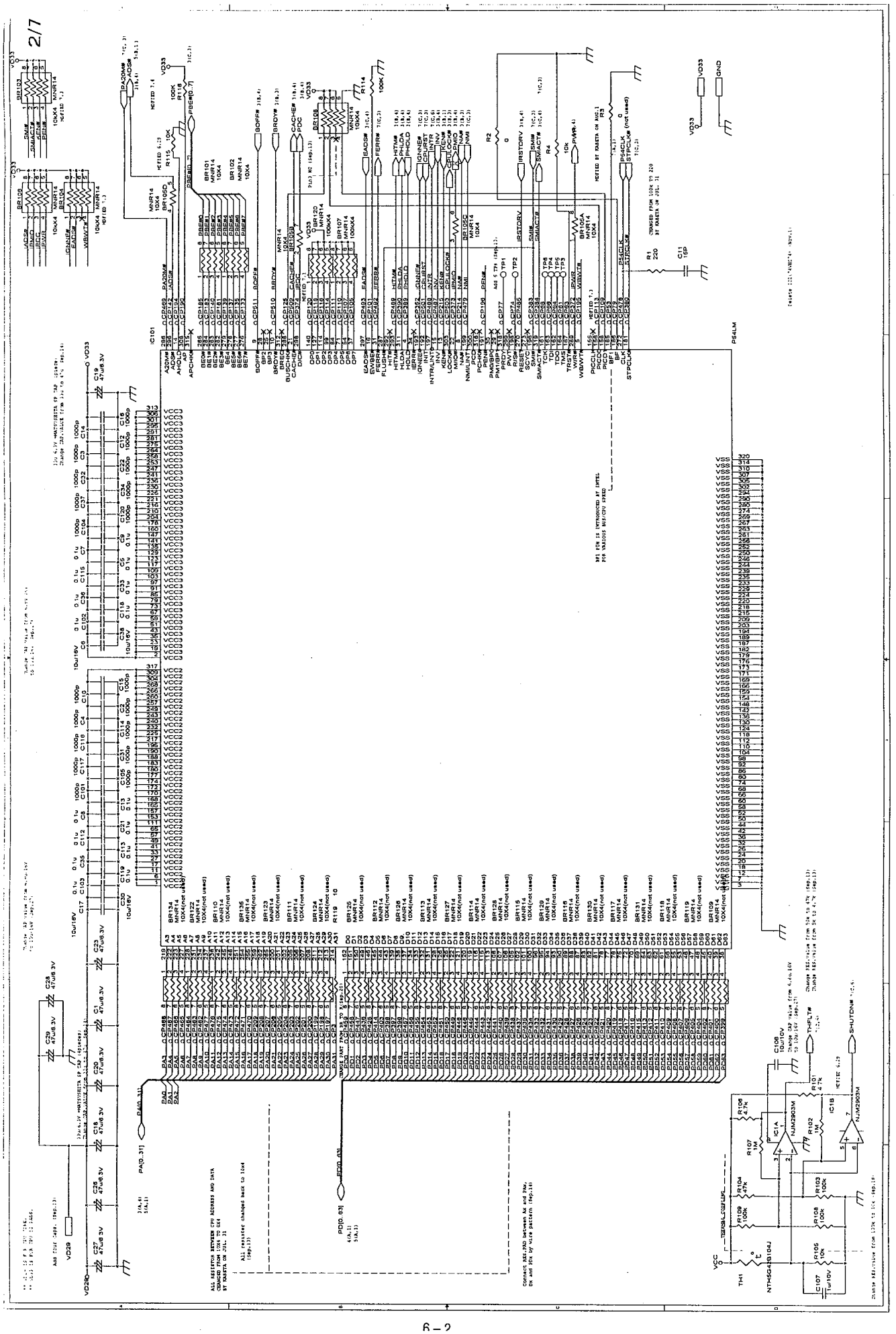


CPU-PWB

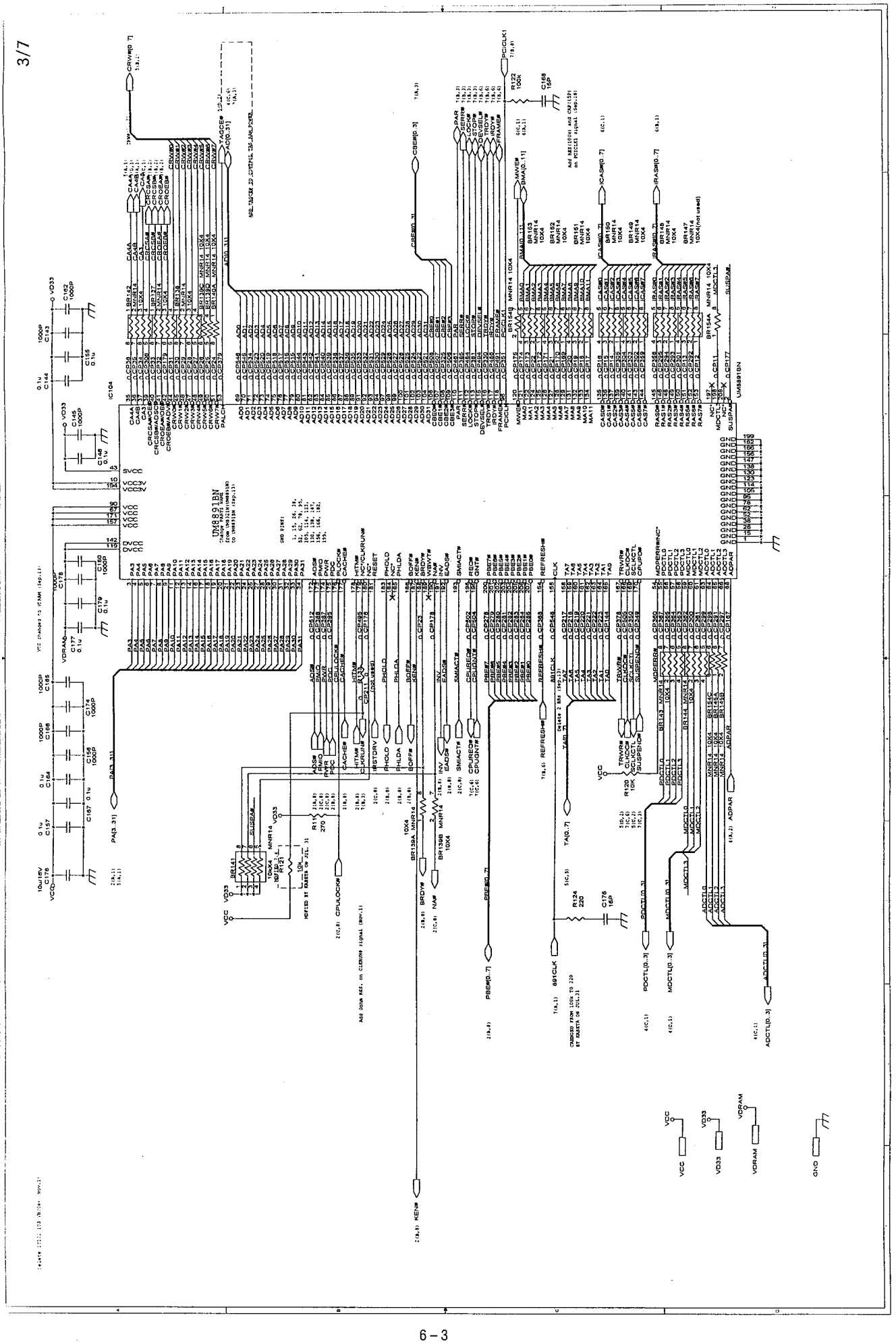
1/7

LINK	: TITLE
|NC1.SCH	:CPU(P54LM)
|NC2.SCH	:UM8891BN
|NC3.SCH	:UM8892BN
|NC8.SCH	:CACHE SRAM
|DRAM.SCH	:DRAM AND DIMM CONNECTOR
|PCICN.SCH	:PCI CONNECTOR

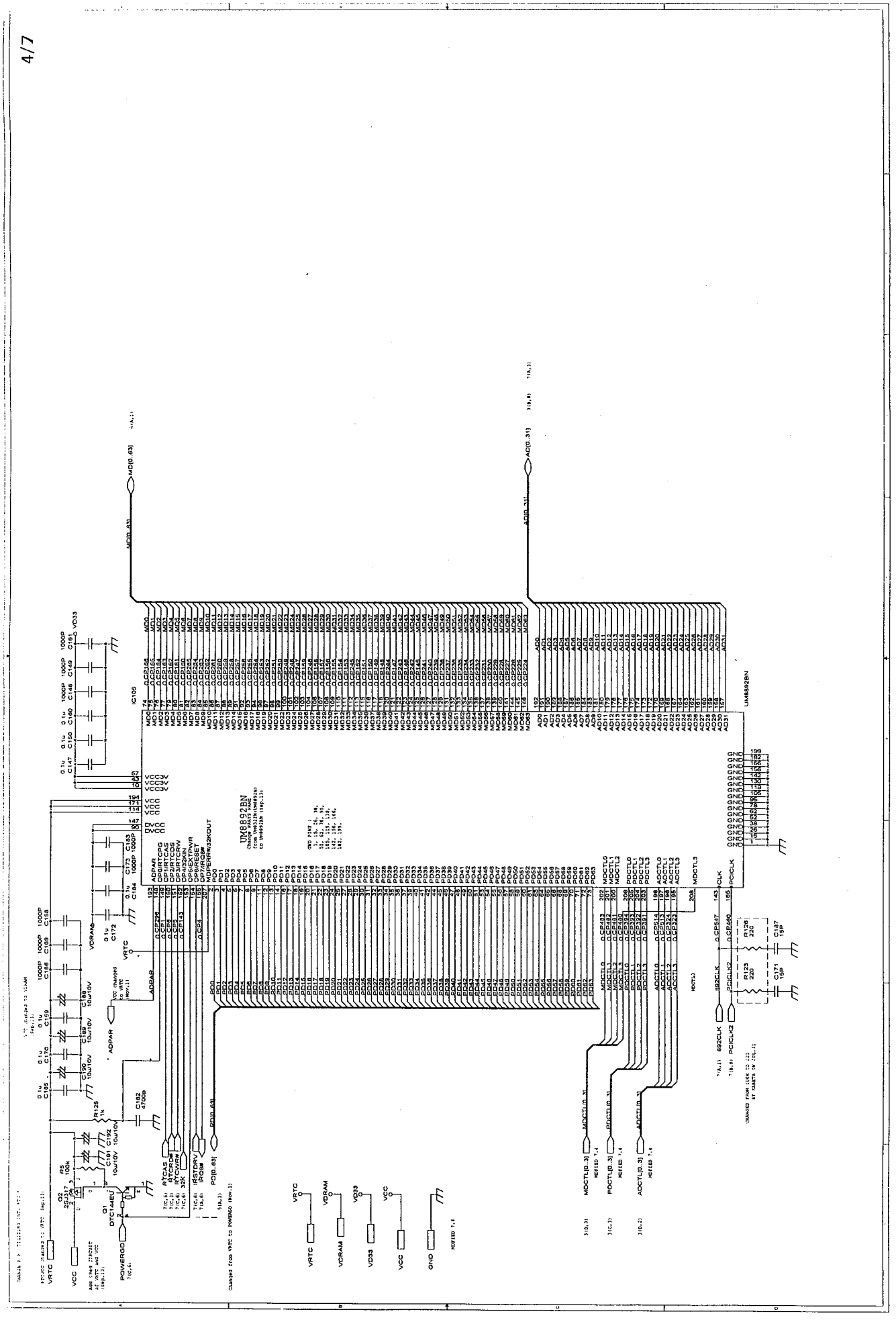
CPU-PWB(CPU(P54LM))



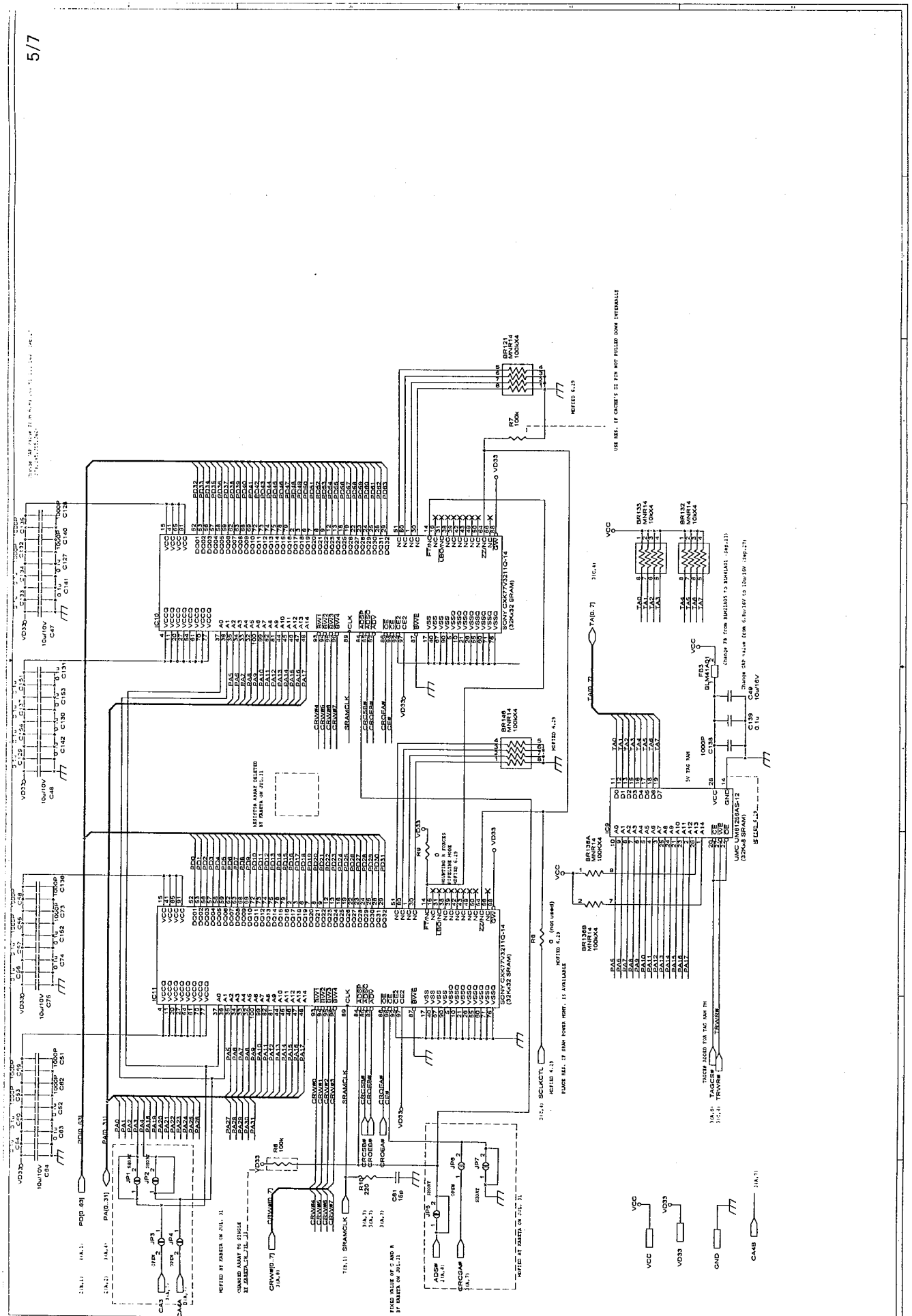
CPU-PWB(UM8891BN)



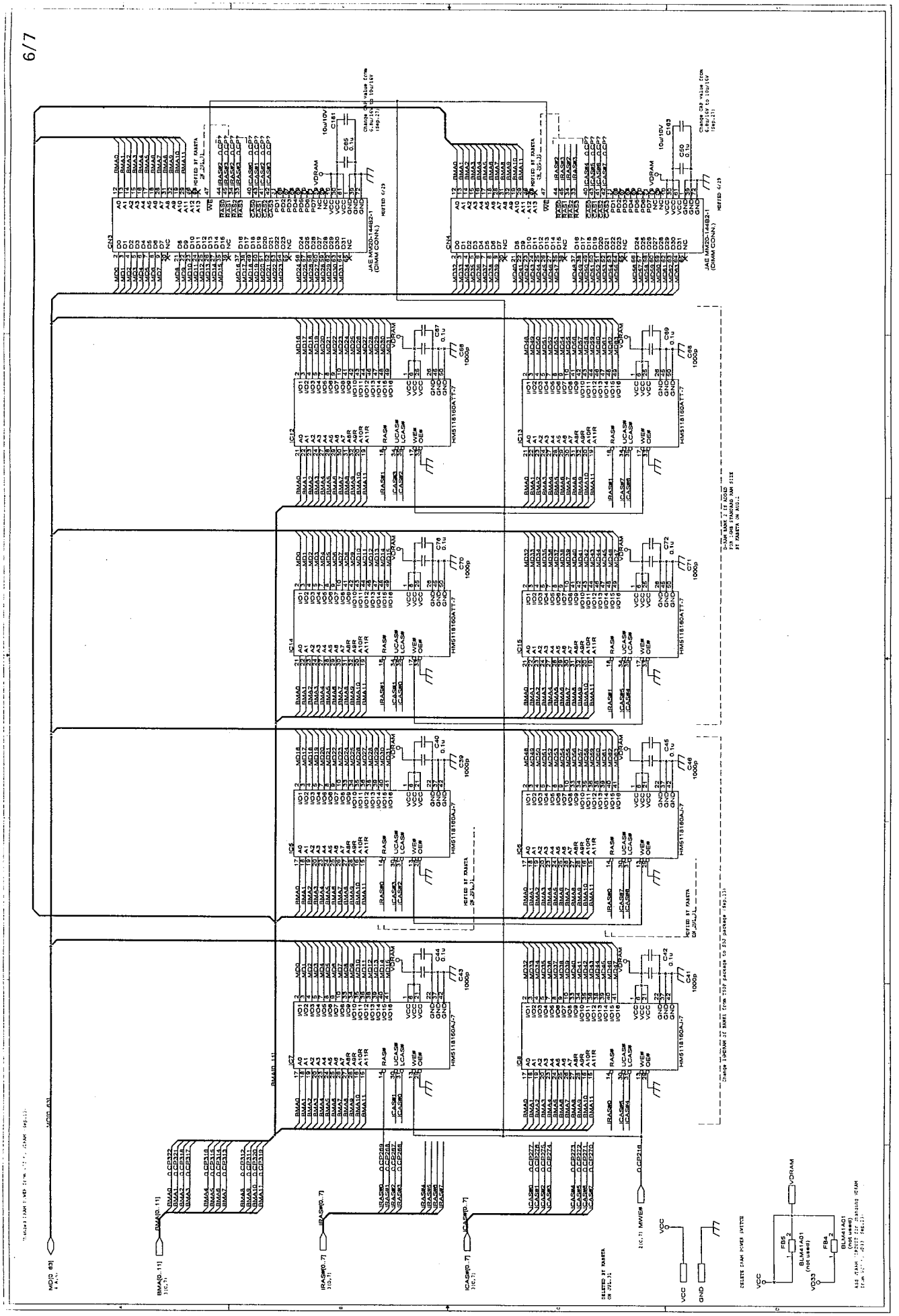
CPU-PWB(UM8892BN)



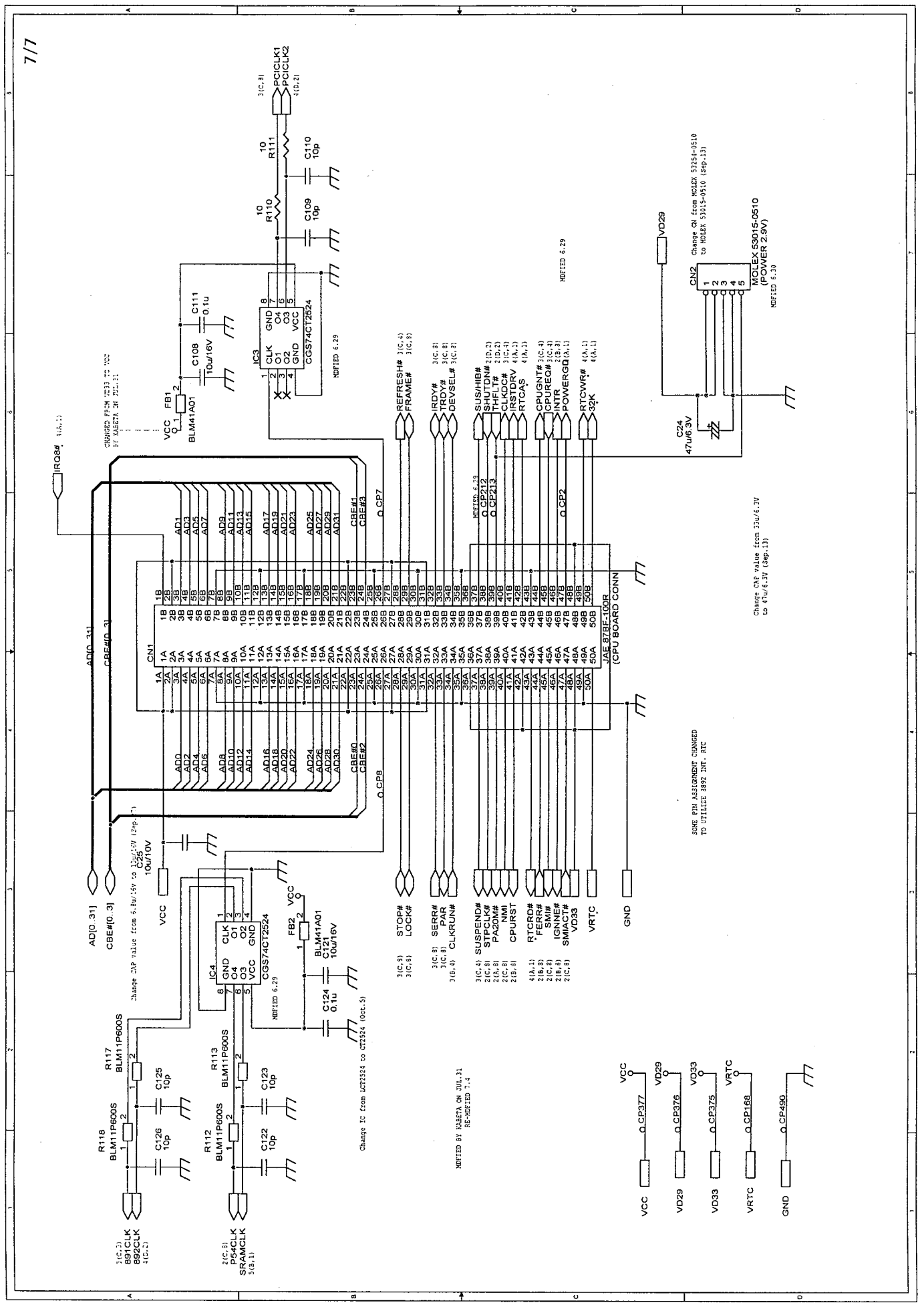
CPU-PWB(CACHE SRAM)



CPU-PWB(D-RAM AND DIMM CONNECTOR)



CPU-PWB(PCI CONNECTOR)



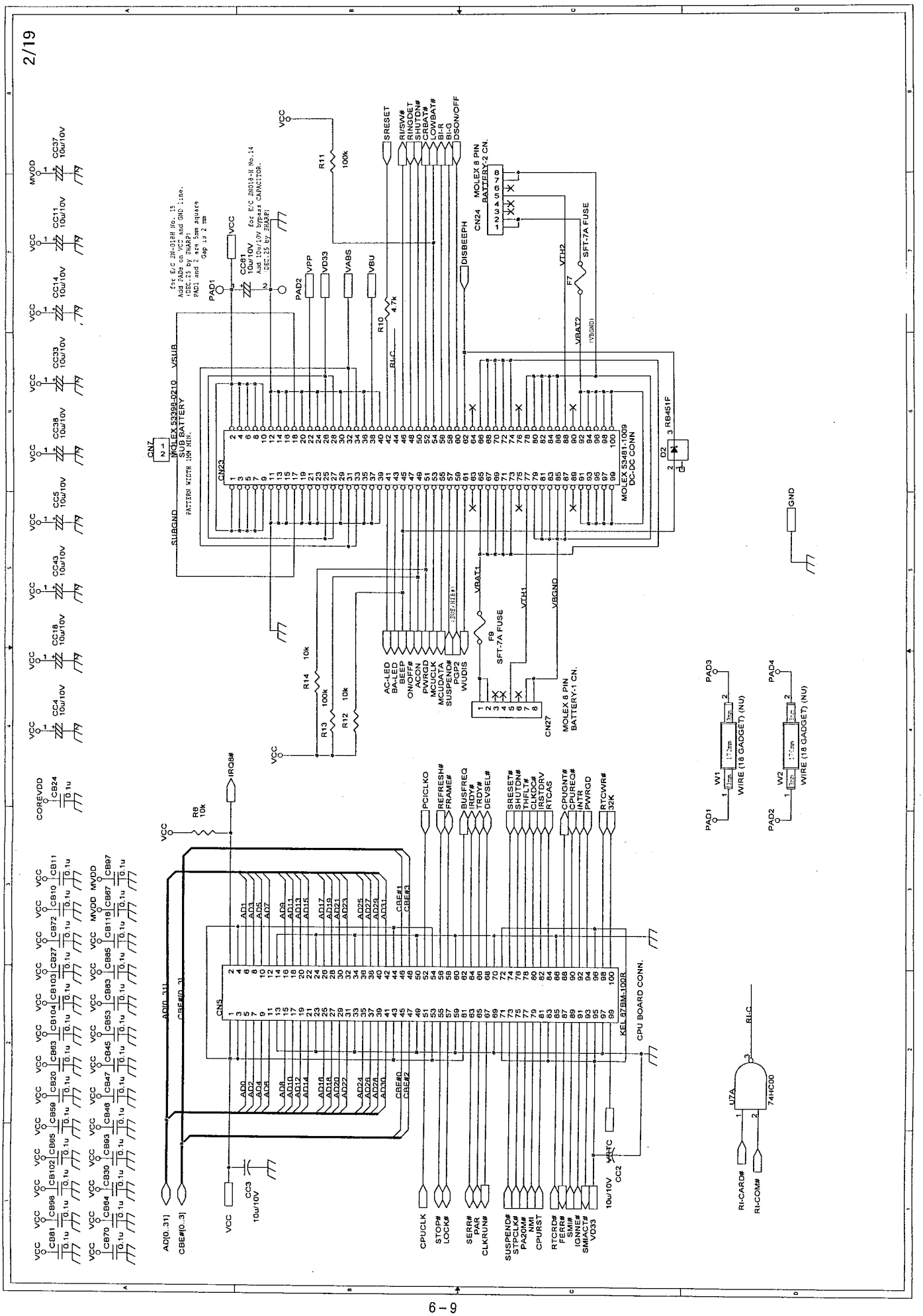
|LINK AVMB-1.SCH	:	TITLE
|AVMB-2.SCH	:	CPU, POWER CONN
|AVMB-3.SCH	:	UM8323N PCI - ISA BRIDGE
|AVMB-4.SCH	:	CLK GEN, PMC, DMA DECODER
|AVMB-5.SCH	:	BIOS, RTC
|AVMB-6.SCH	:	M38802 KB CONTROLLER
|AVMB-7.SCH	:	HDD, FDD + CD-ROM CONN
|AVMB-8.SCH	:	MPEG, VGA DRAM
|AVMB-9.SCH	:	VGA CONTROLLER GD7543
|AVMB-10.SCH	:	LCD, VIDEO OUT INTERFACE
|AVMB-11.SCH	:	CRT, LCD, RCA CONN
|AVMB-12.SCH	:	SUPER I/O PC87336
|AVMB-13.SCH	:	PCMCIA PD6729
|AVMB-14.SCH	:	PCMCIA SLOT
|AVMB-15.SCH	:	IR CONTROLLER ASIC-100
|AVMB-16.SCH	:	AUDIO CHIP VIBRA16S
|AVMB-17.SCH	:	AUDIO JACK, AUDIO AMP
|AVMB-18.SCH	:	MODEM CONN
|AVMB-19.SCH	:	DOCKING CONN

RELEASE BY: KABETA JAN. 23 '96 FOR AV-S Pre Production

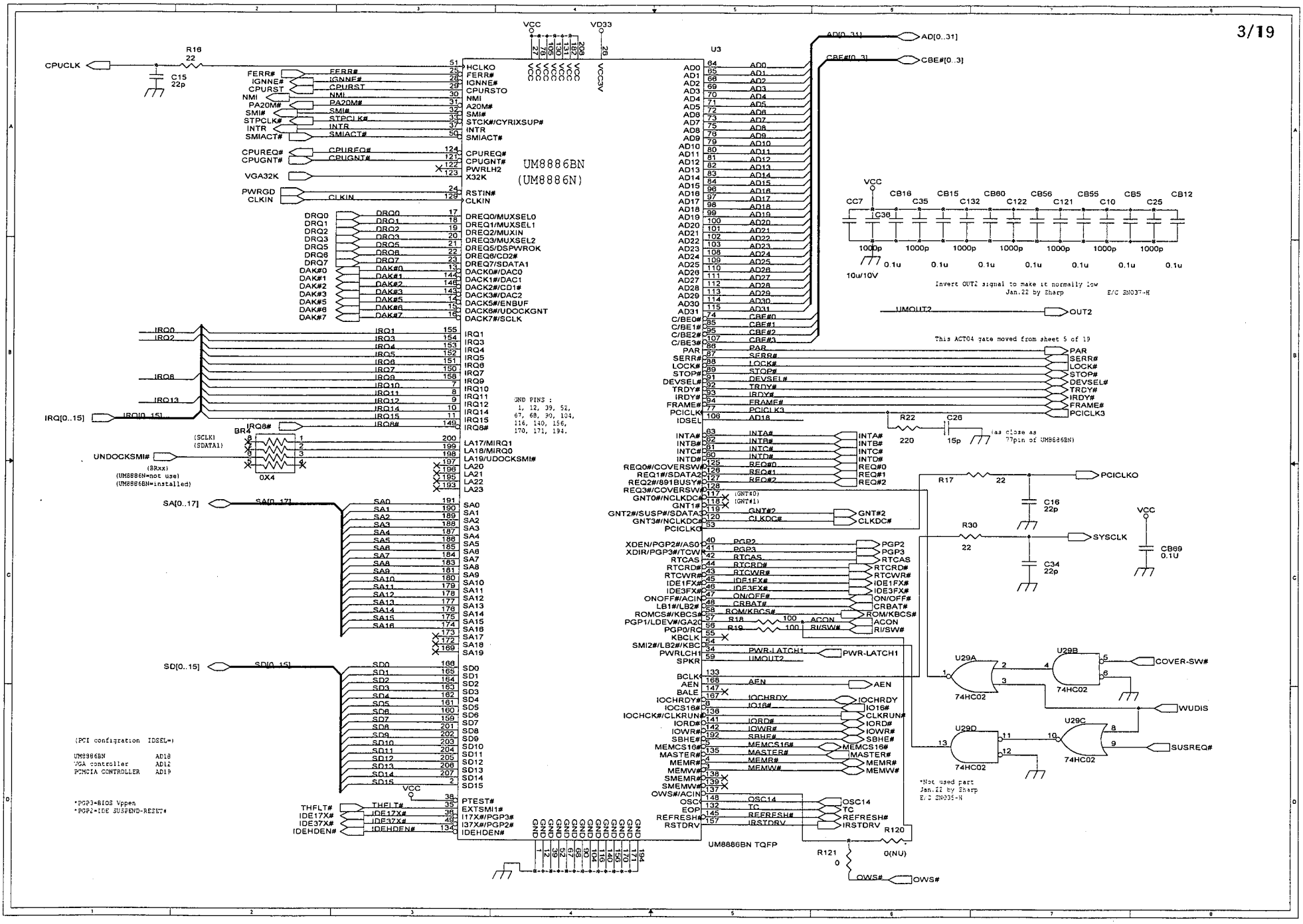
* All 10u/25V CAPCITORs changed into 10u/10V CAPACITORs. (DEC.22 by SHARP)

for E/C (ECN SN018-H No.1)

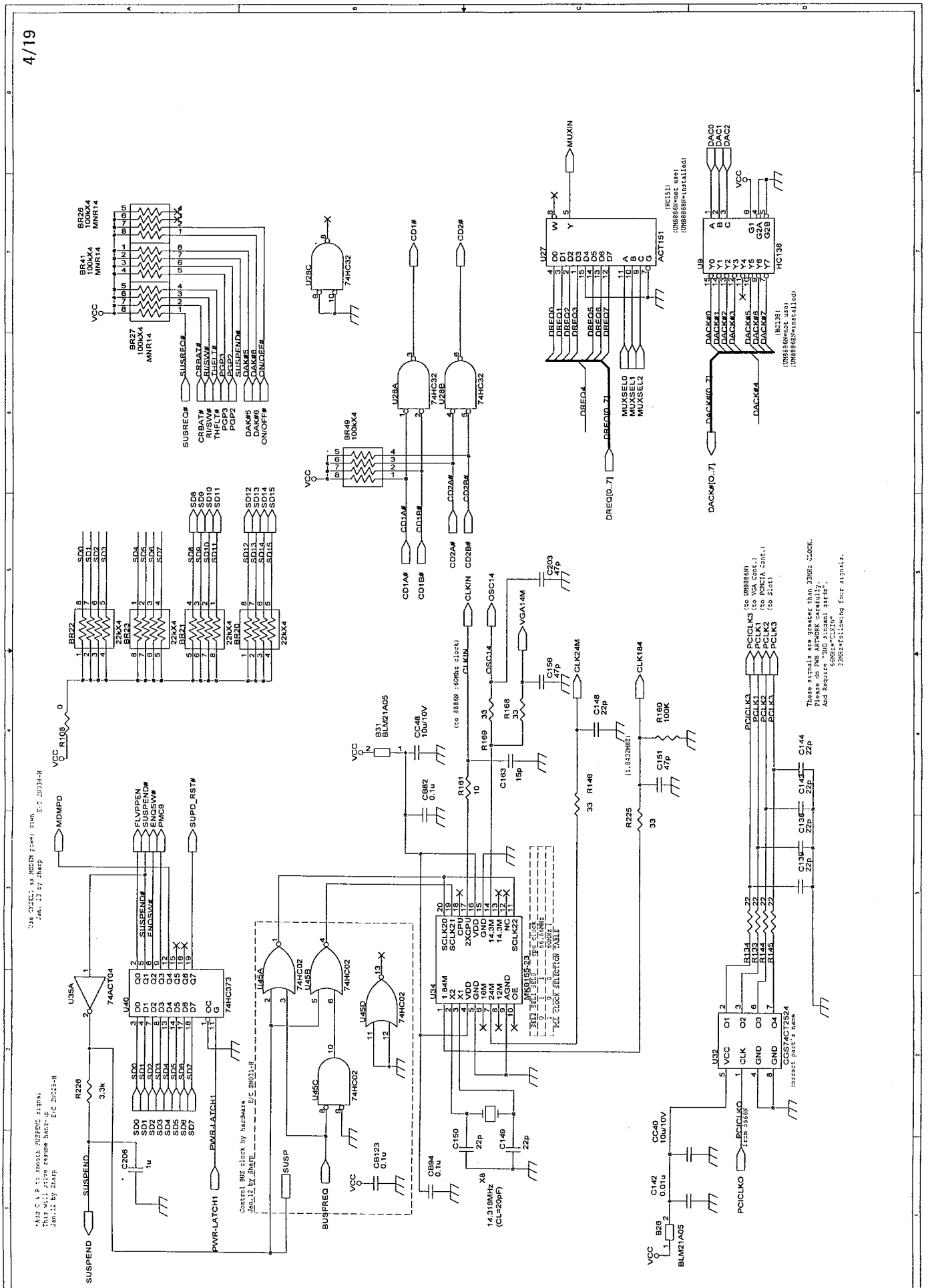
MAIN-PWB VER:06(PCI/DC-DC CONNECTOR)



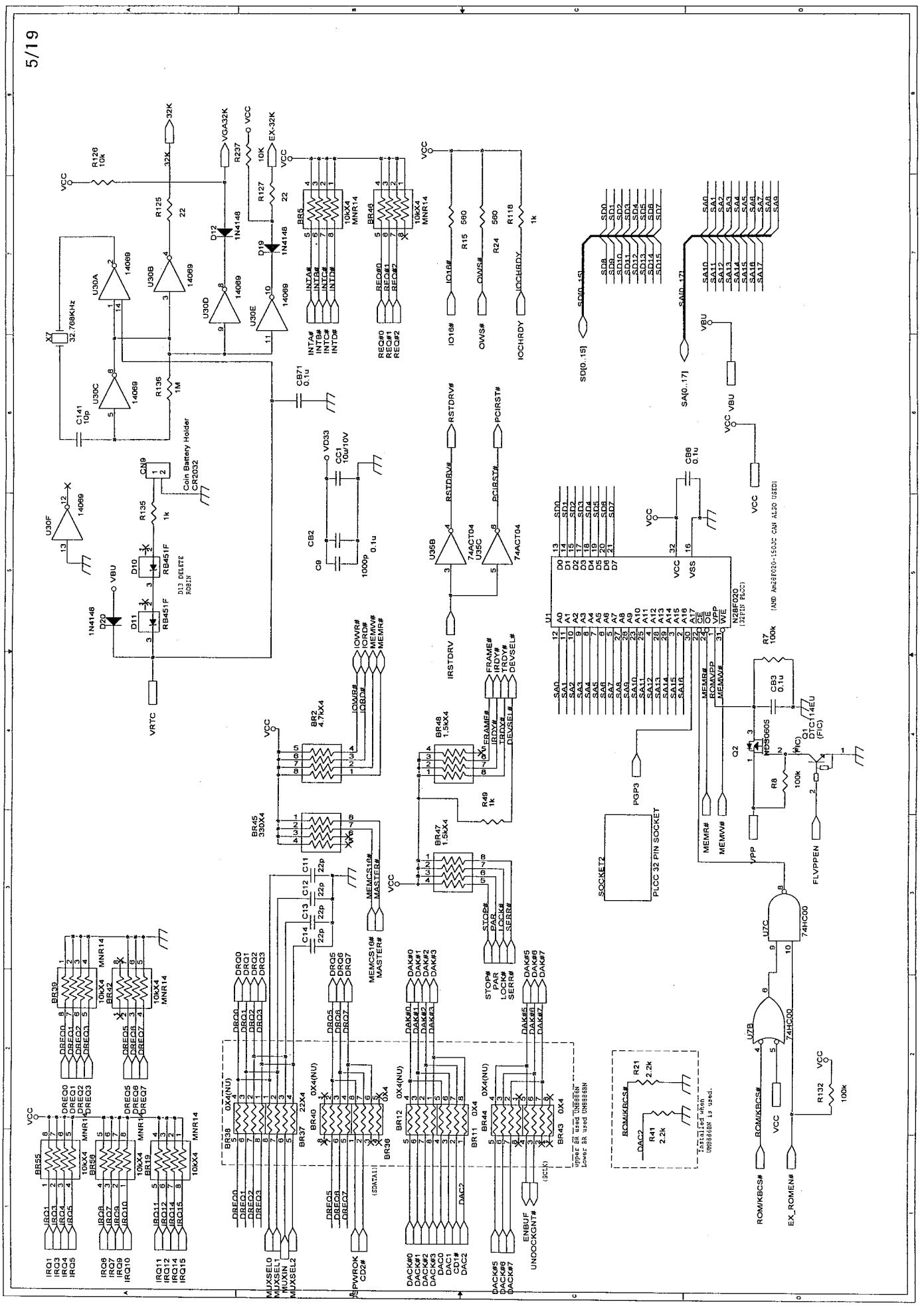
MAIN-PWB VER:06(UM8886BN)



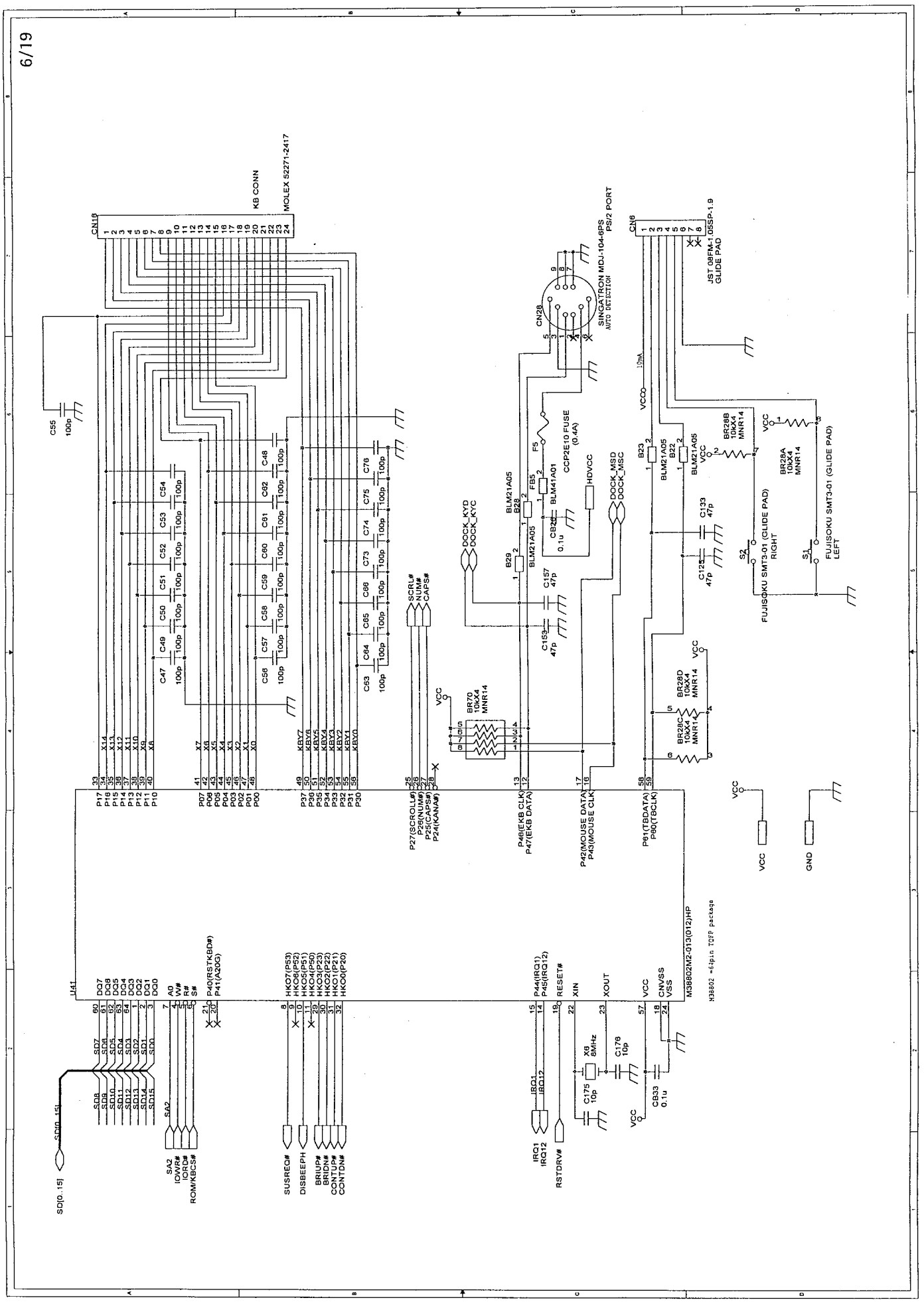
MAIN-PWB VER:06(CLOCK GENERATOR/BUFFER)



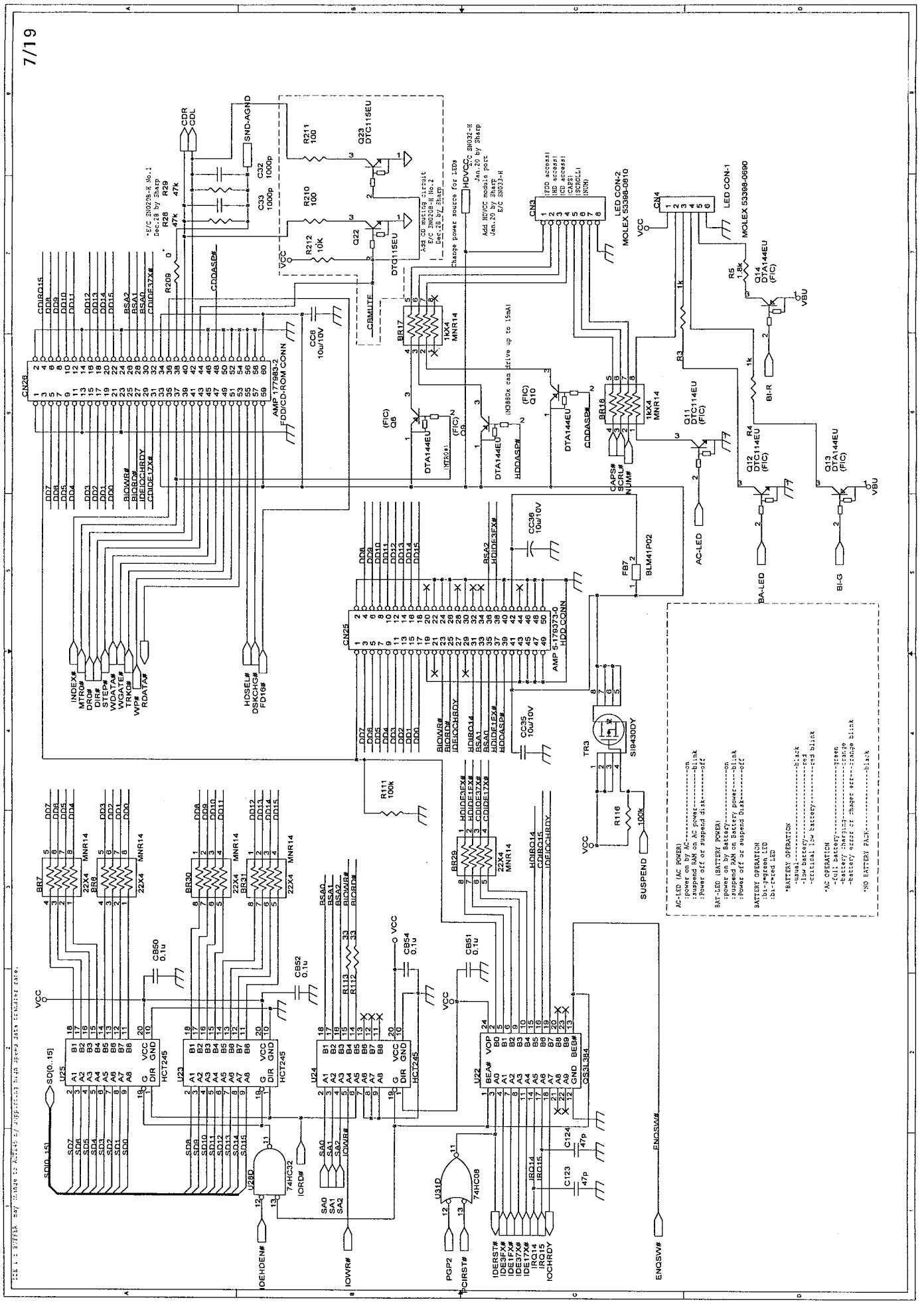
MAIN-PWB VER:06(EXTERNAL RTC, KEYBOARD AND ROM)



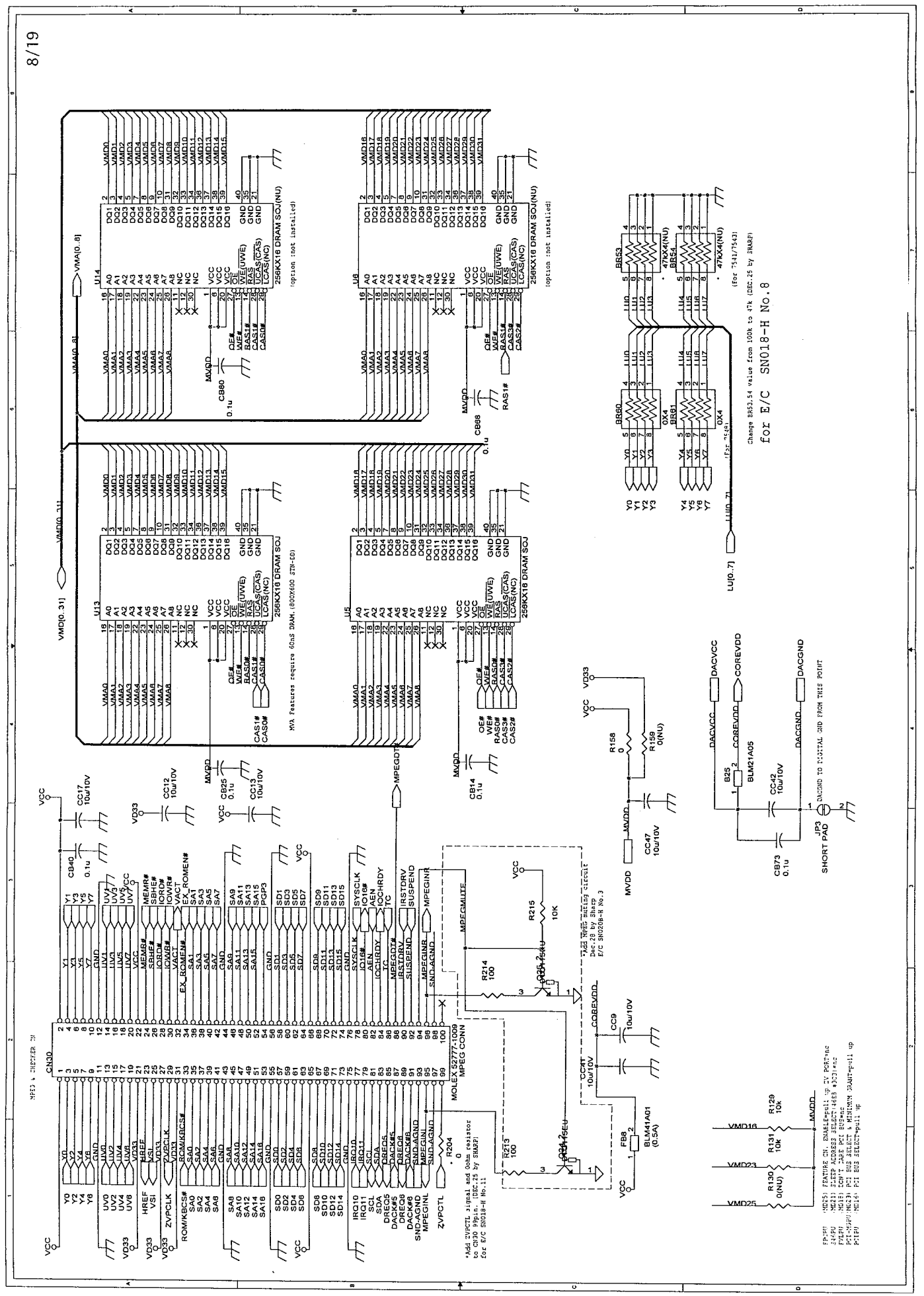
MAIN-PWB VER:06(KEYBOARD CONTROLLER)



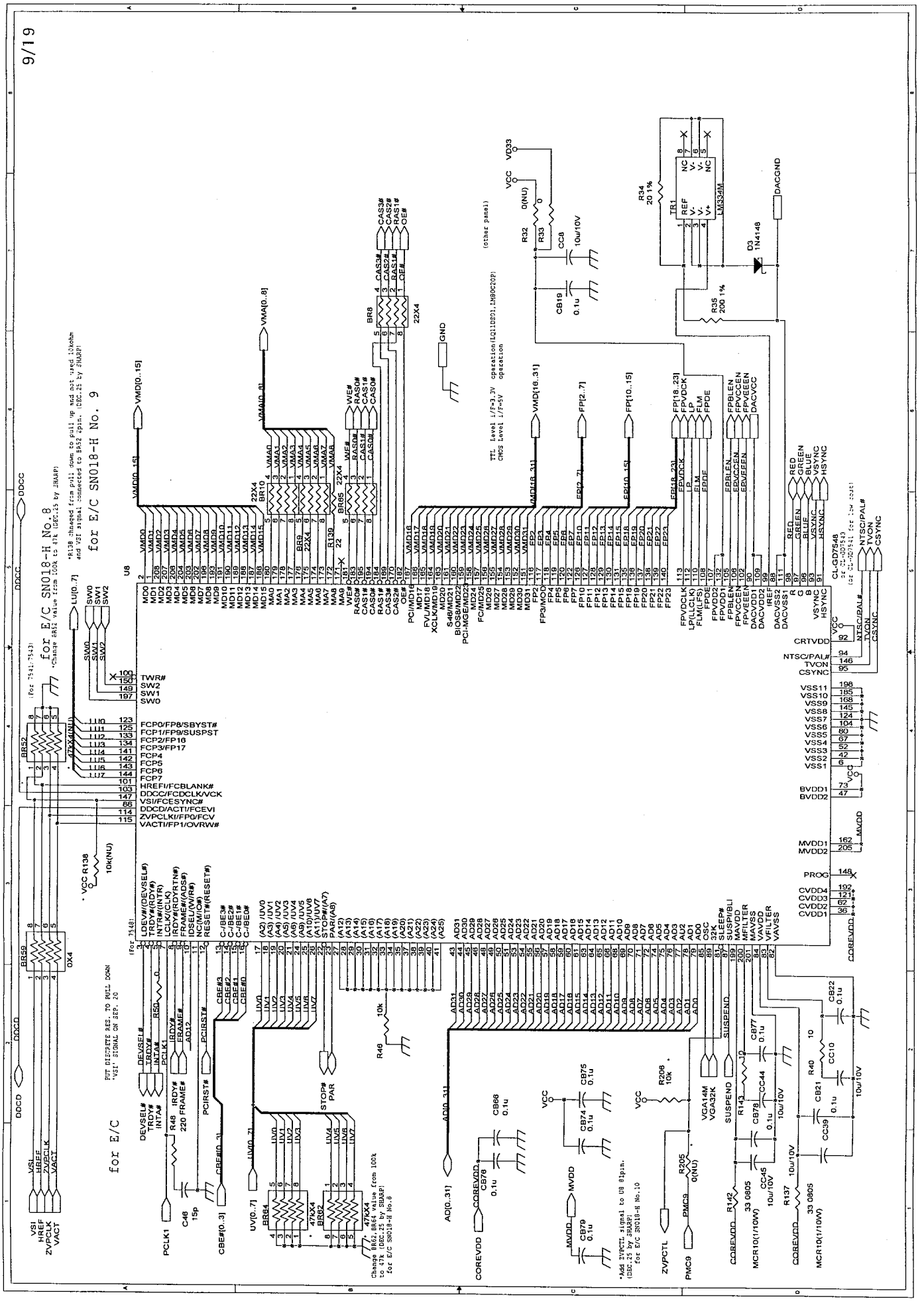
MAIN-PWB VER:06(PCI IDE BUFFERS CONN)



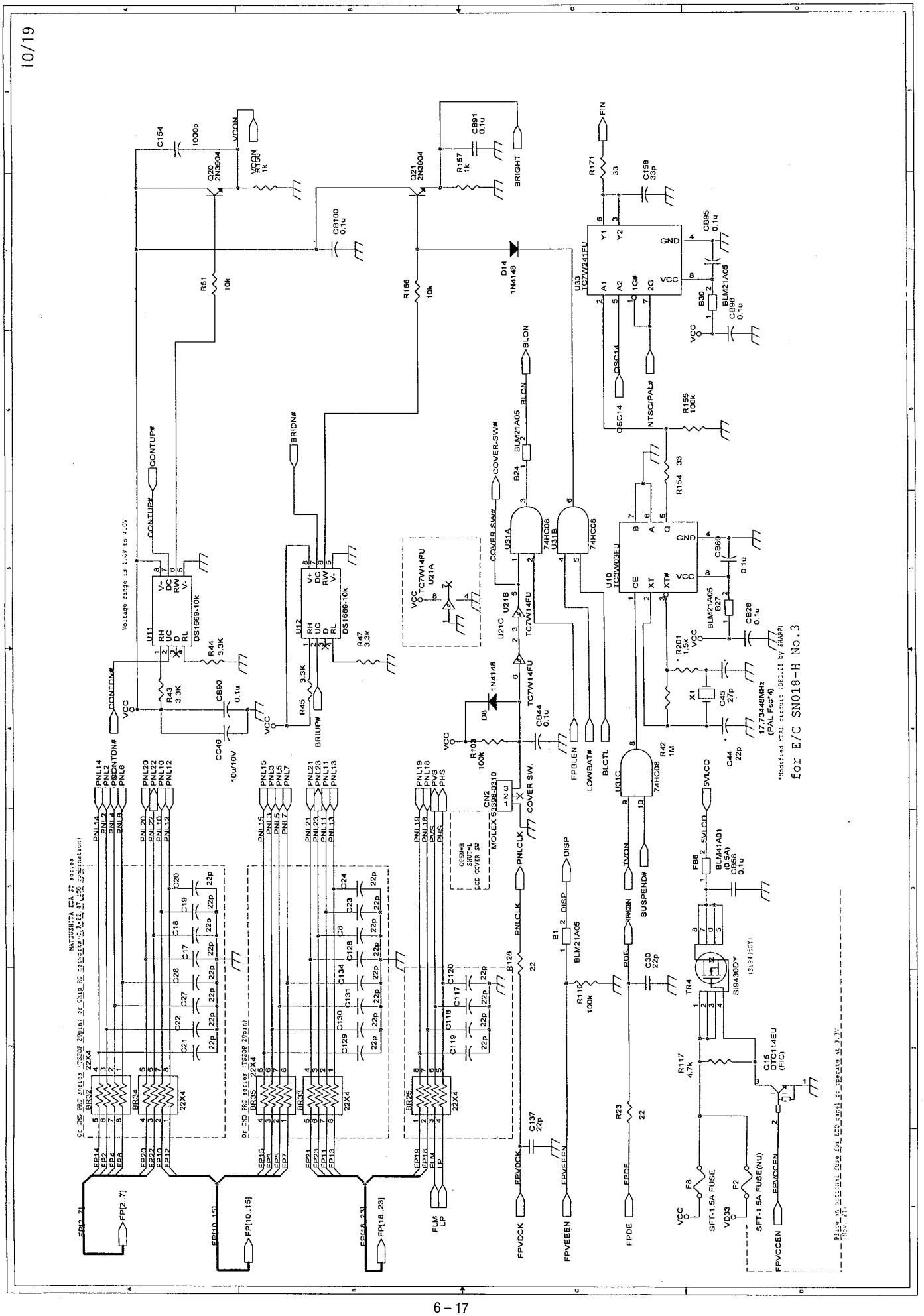
MAIN-PWB VER:06(MPEG/VRAM)



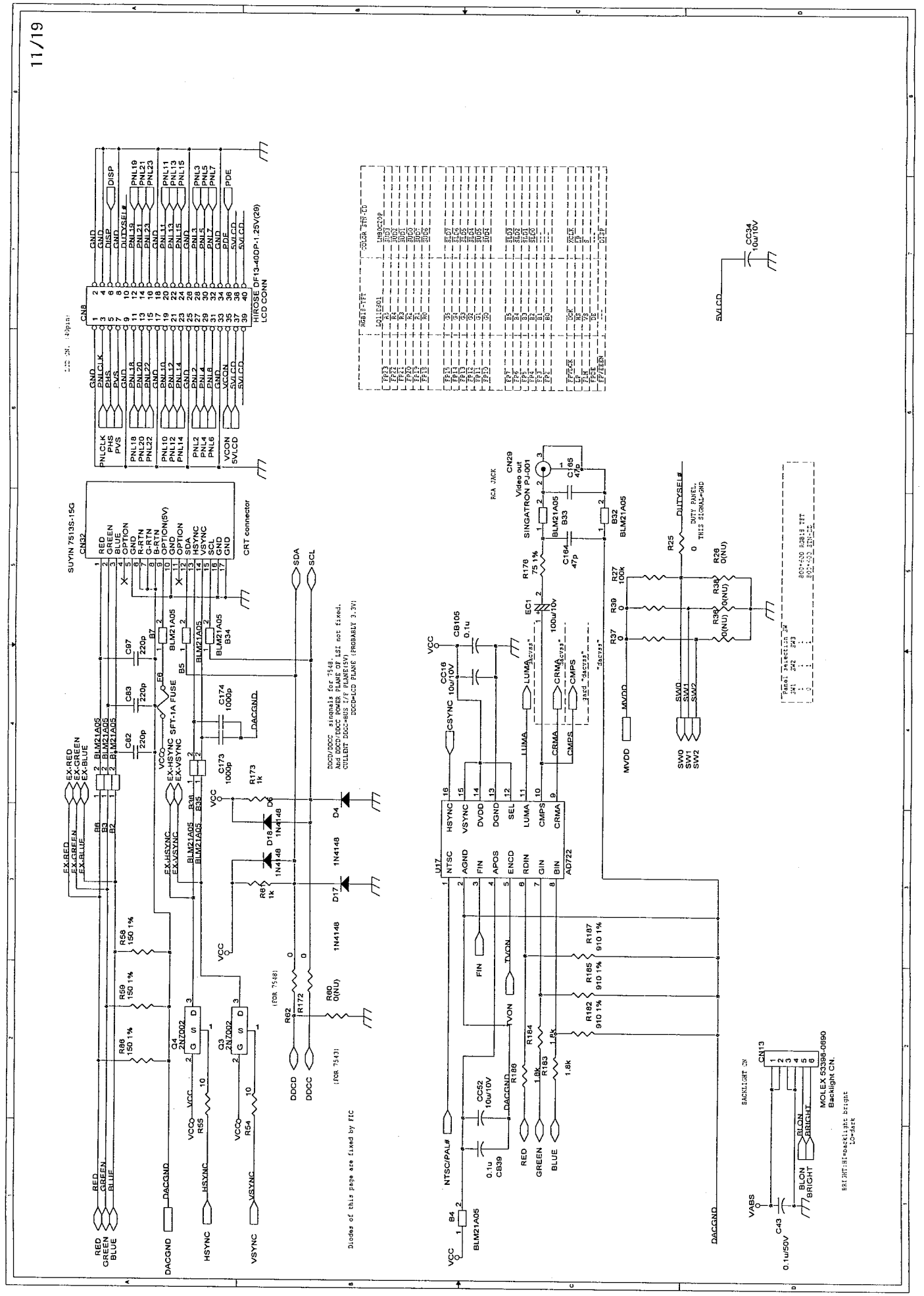
MAIN-PWB VER:06(VGA CONTROLLER 7548)



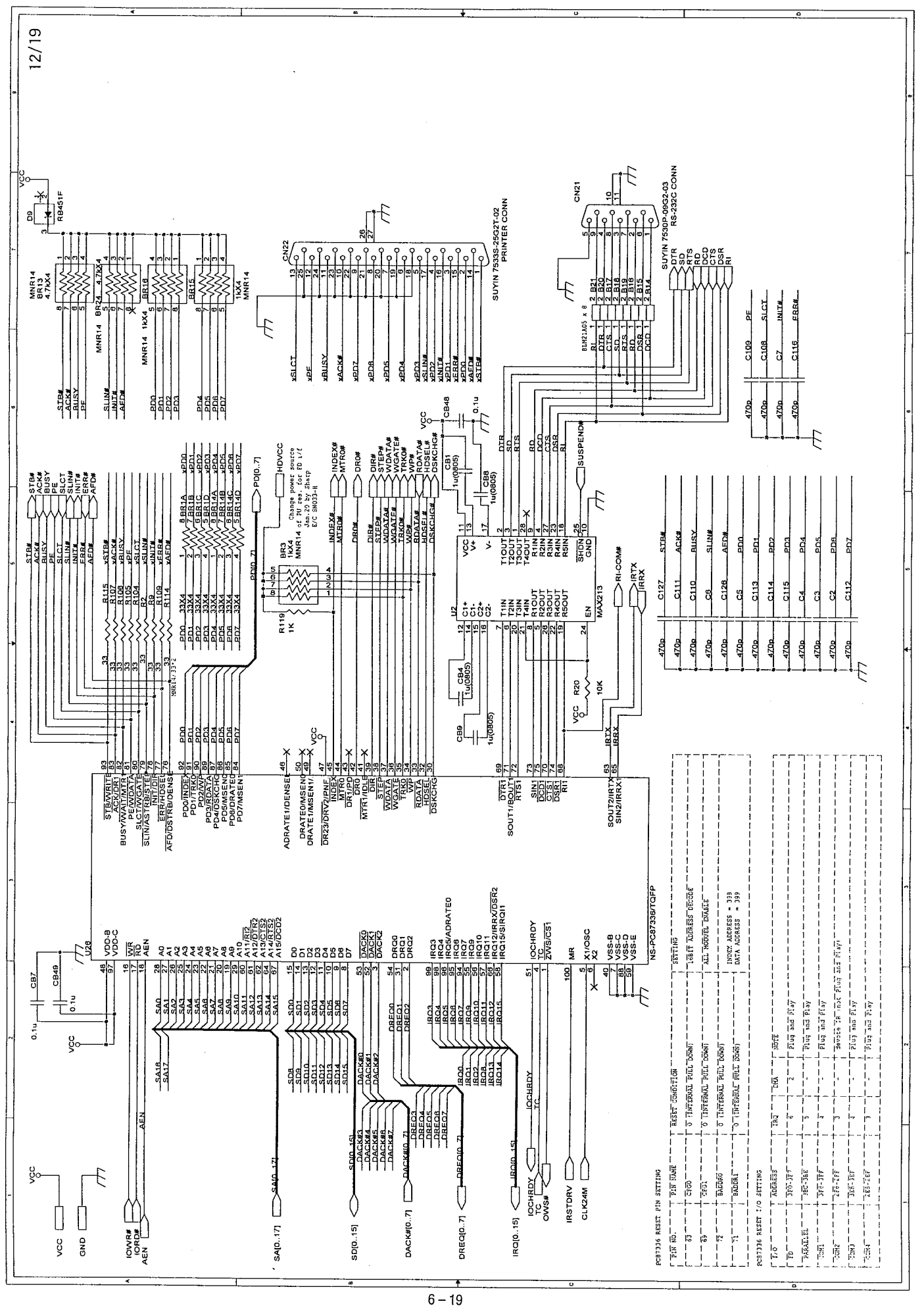
MAIN-PWB VER:06(LCD/VIDEO OUTPUT INTERFACE)



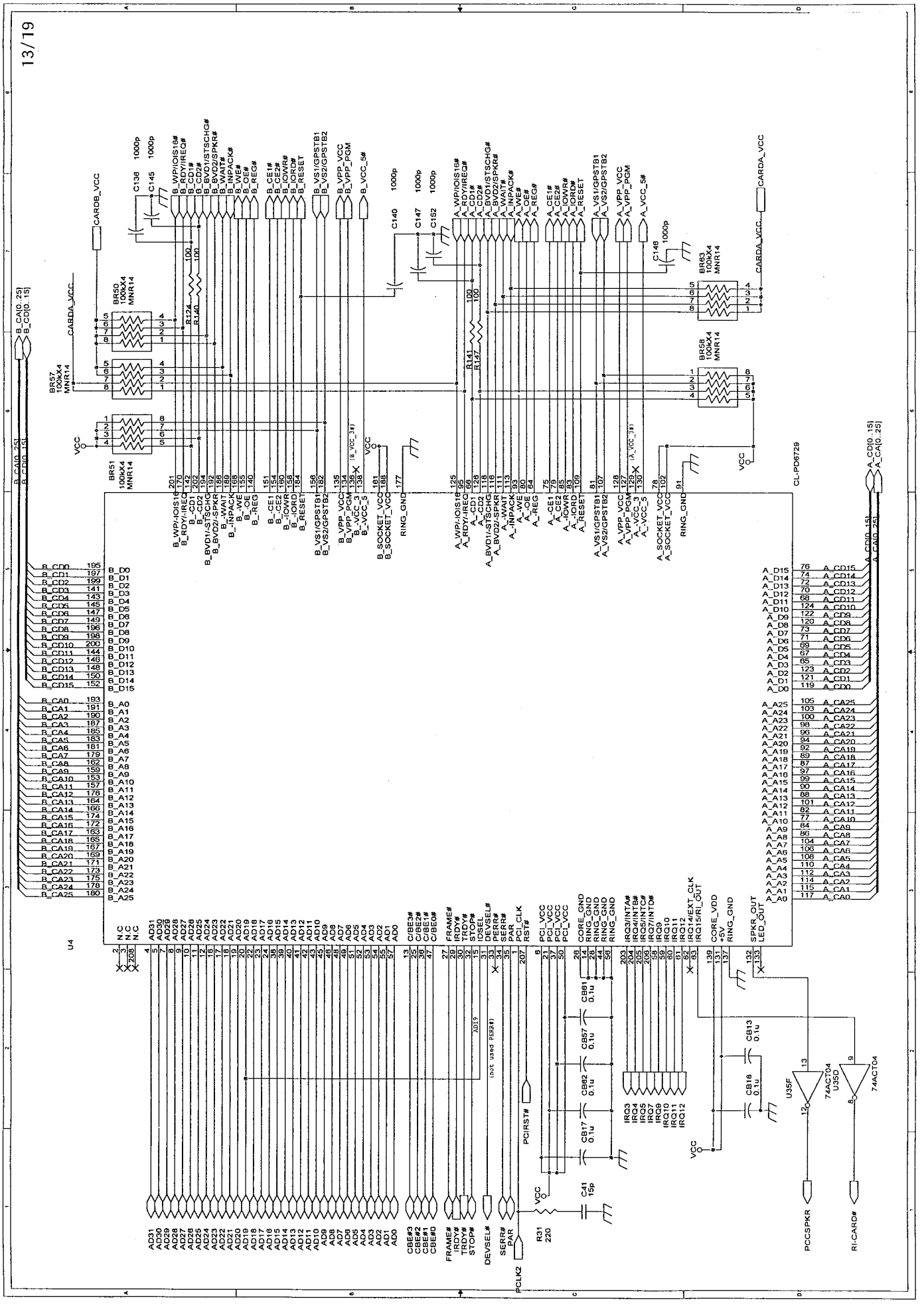
MAIN-PWB VER:06(CRT/LCD/TV OUTPUT)

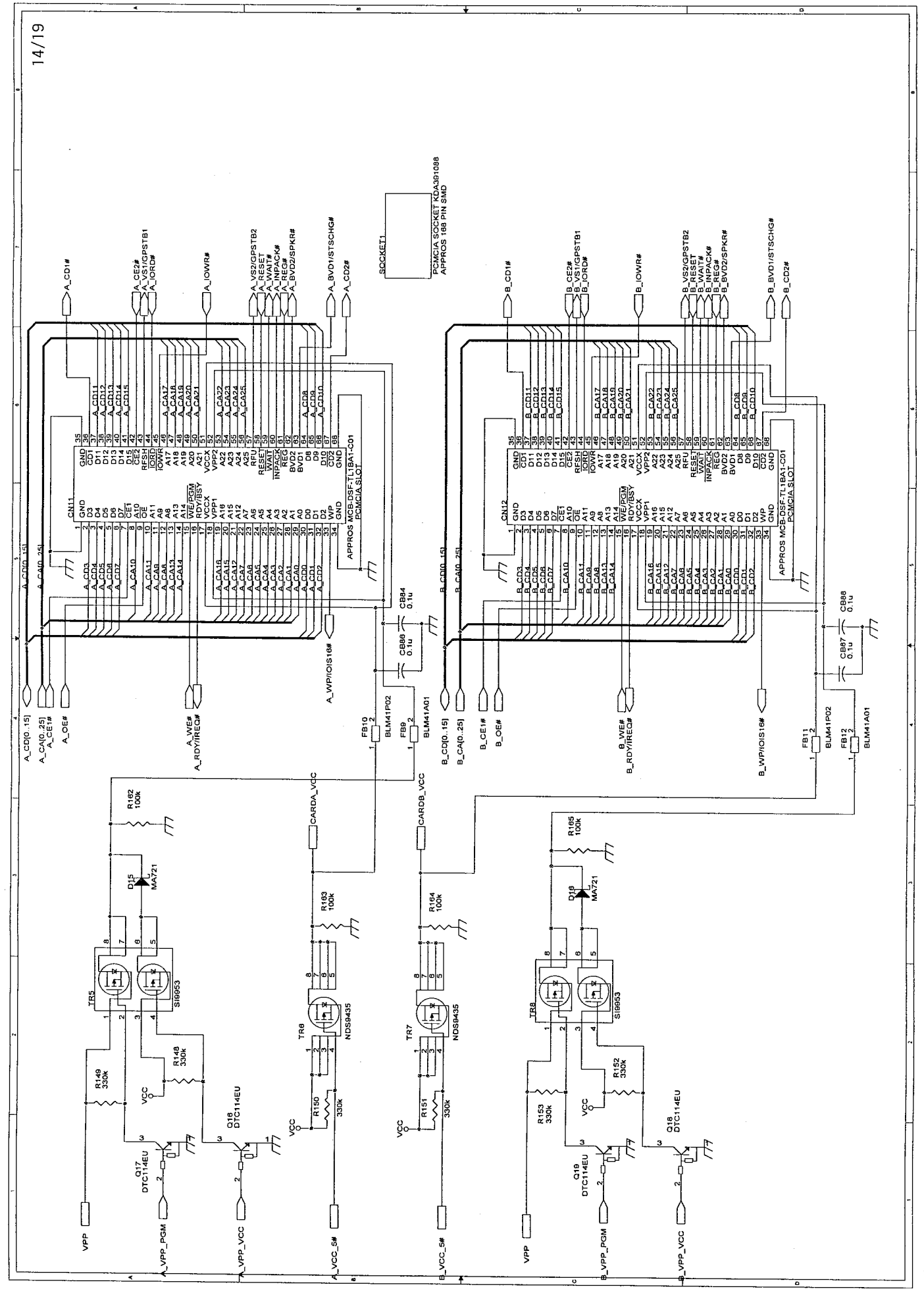


MAIN-PWB VER:06(SUPER I/O 87336)

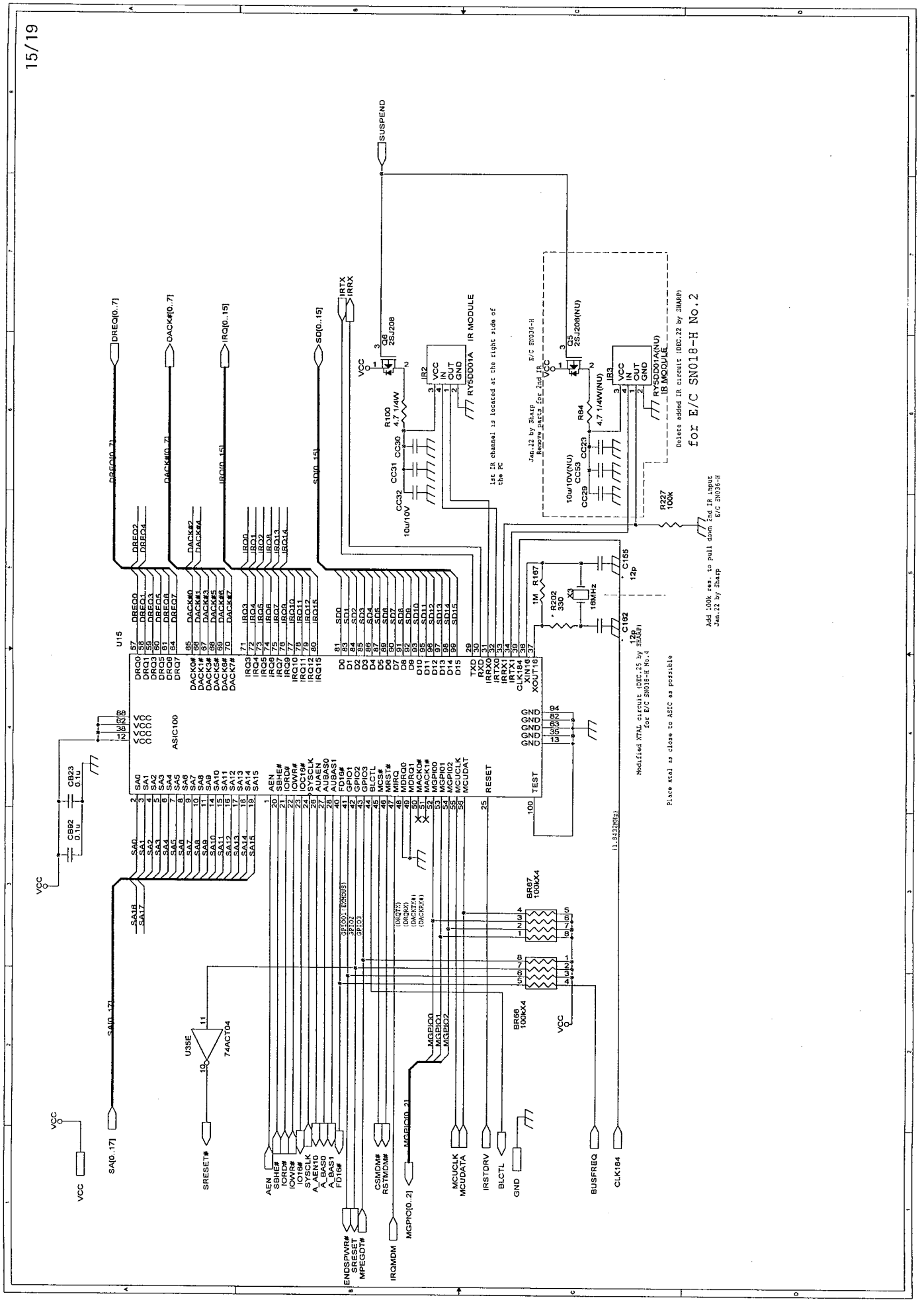


MAIN-PWB VER:06(PCMCIA CONTROLLER 6729)

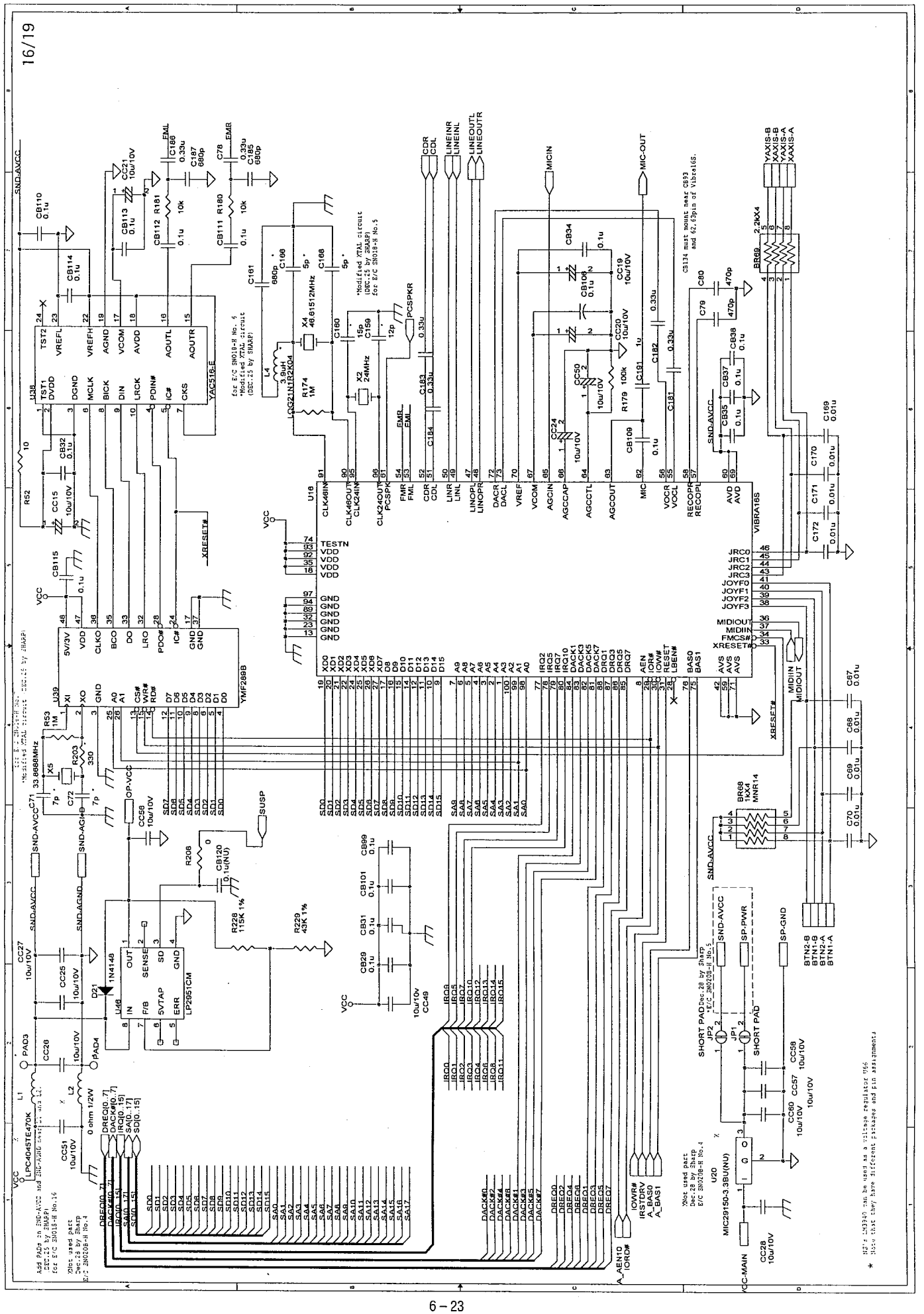



MAIN-PWB VER:06(PCMCIA SLOT)
14/19
SOCKET1
PCMCIA SOCKET KDA391088
APPROS 168 PIN SMD
CN11
CN12
APPROS MCB-DSF-TL18A1-C01
PCMCIA SLOT
A_CD[0..15]
A_CA[0..25]
A_CE1#
A_OE#
A_WE#
A_RDY/IREQ#
A_WP/IOIS16#
B_CD[0..15]
B_CA[0..25]
B_CE1#
B_OE#
B_WE#
B_RDY/IREQ#
B_WP/IOIS16#
CARDA_VCC
CARDB_VCC
TR5
TR6
TR7
TR8
SI9953
NDS9435
D15
D18
MA721
Q16
Q17
Q18
Q19
DTC114EU
R148 330k
R149 330k
R150 330k
R151 330k
R152 330k
R153 330k
R162 100k
R163 100k
R164 100k
R165 100k
VCC
VPP
VPP_PGM
VPP_VCC
VCC_5#
B_VCC_5#
FB9
FB10
FB11
FB12
BLM41P02
BLM41A01
CB84 0.1u
CB86 0.1u
CB87 0.1u
CB88 0.1u

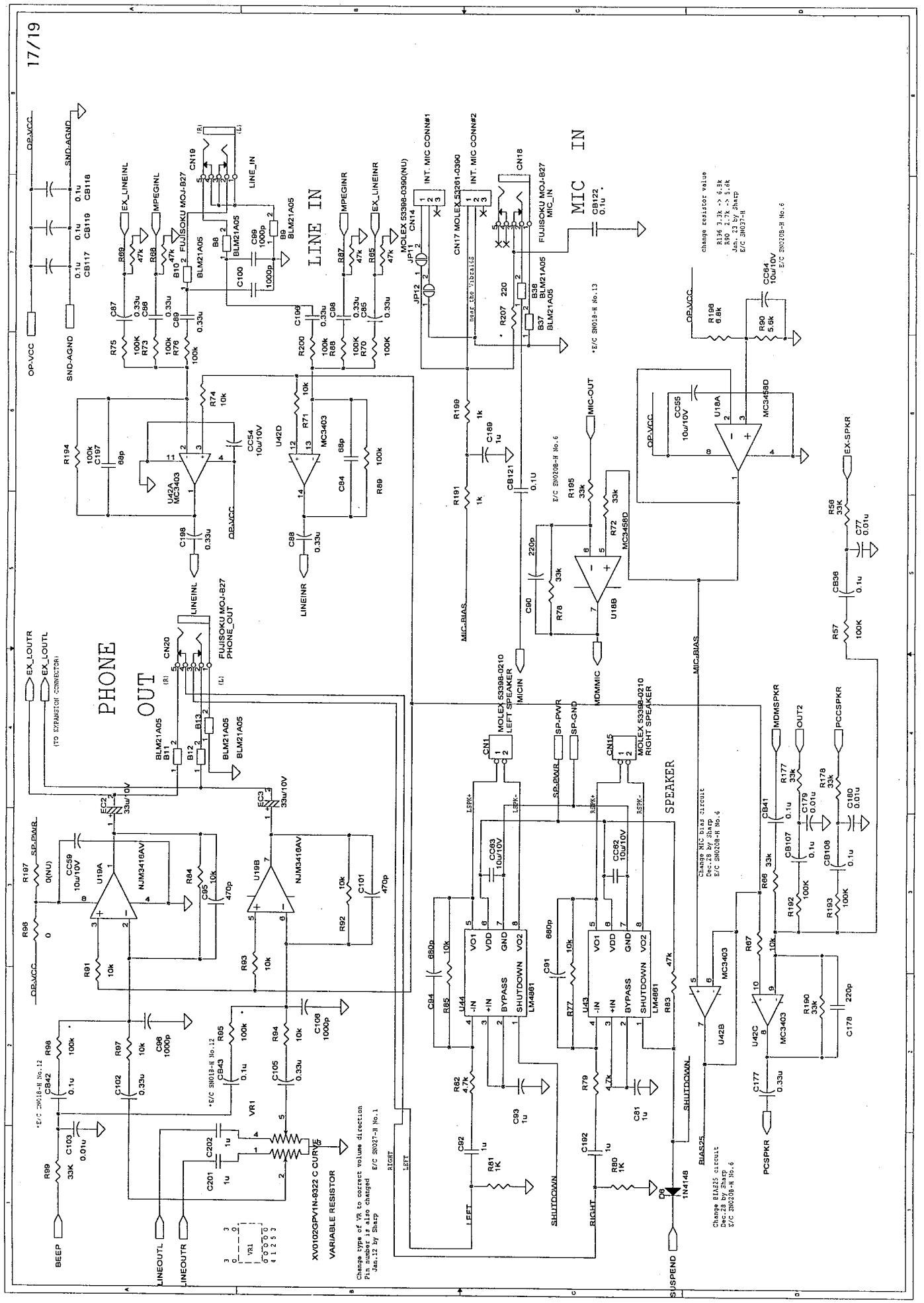
MAIN-PWB VER:06(FAST IR CONTROLLER)



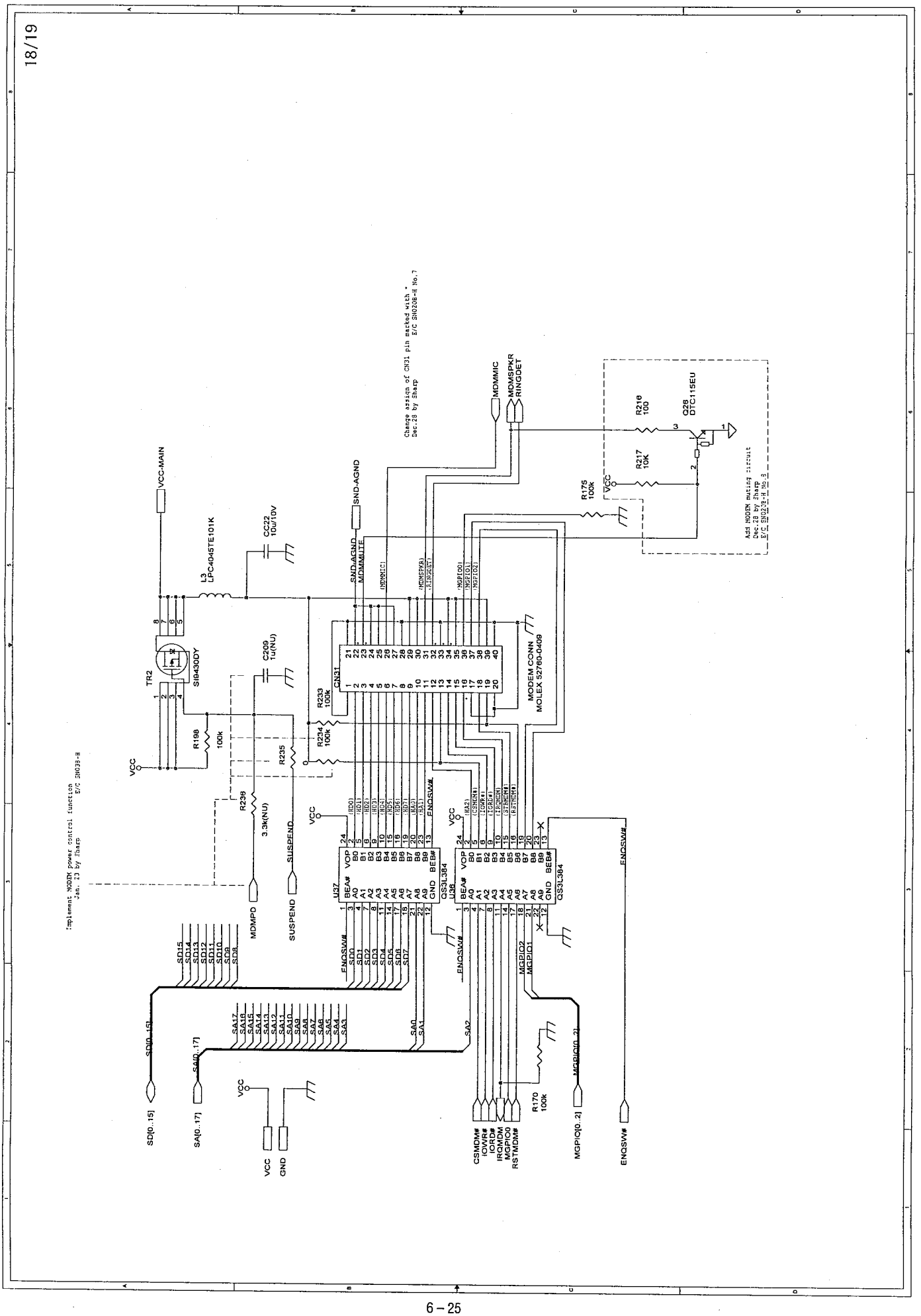
MAIN-PWB VER:06(AUDIO CHIP VIBRA16S)



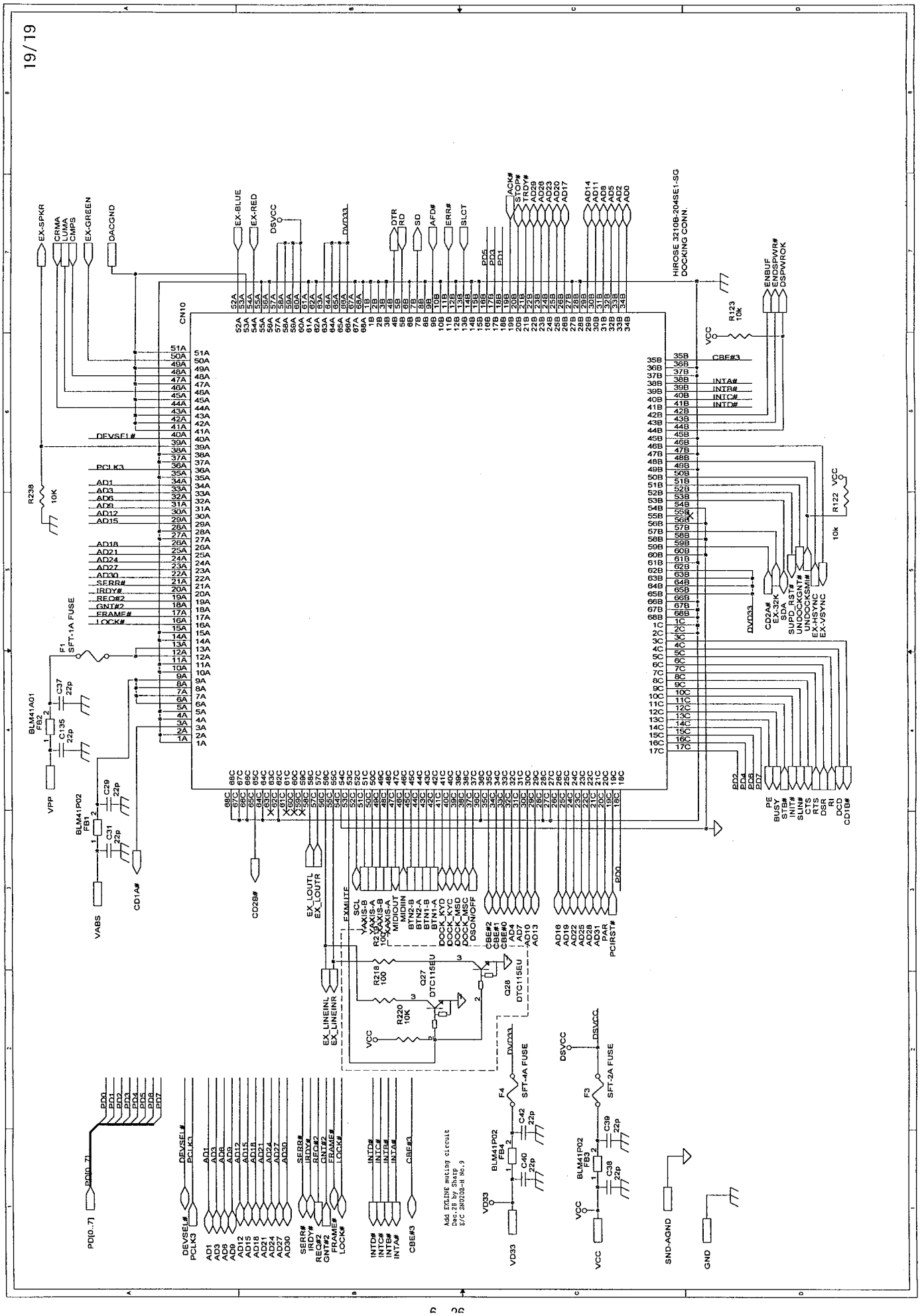
MAIN-PWB VER:06(AUDIO INTERFACE CIRCUIT)



MAIN-PWB VER:06(MODEM CONNECTOR)



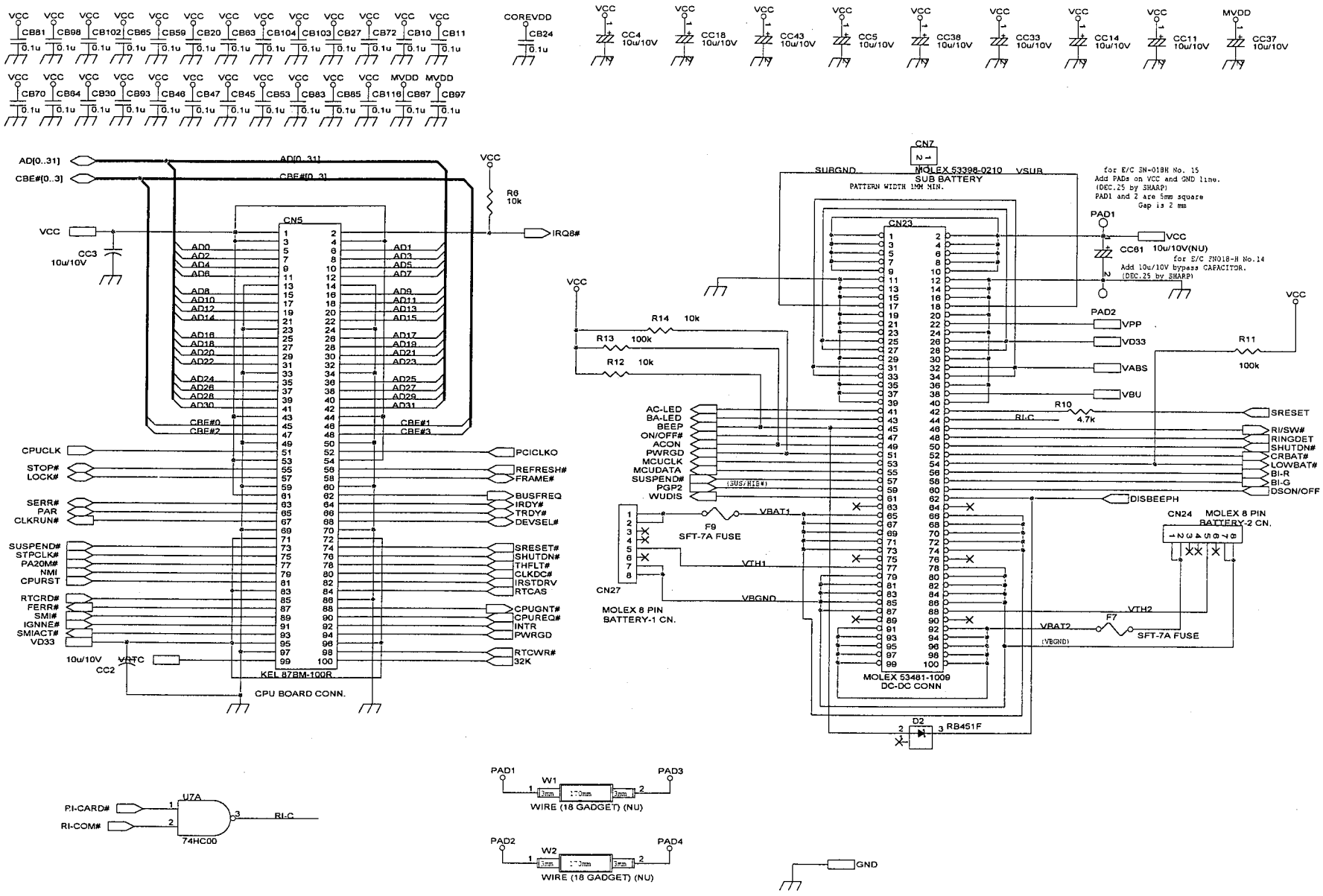
MAIN-PWB VER:06(DOCKING CONNECTOR)



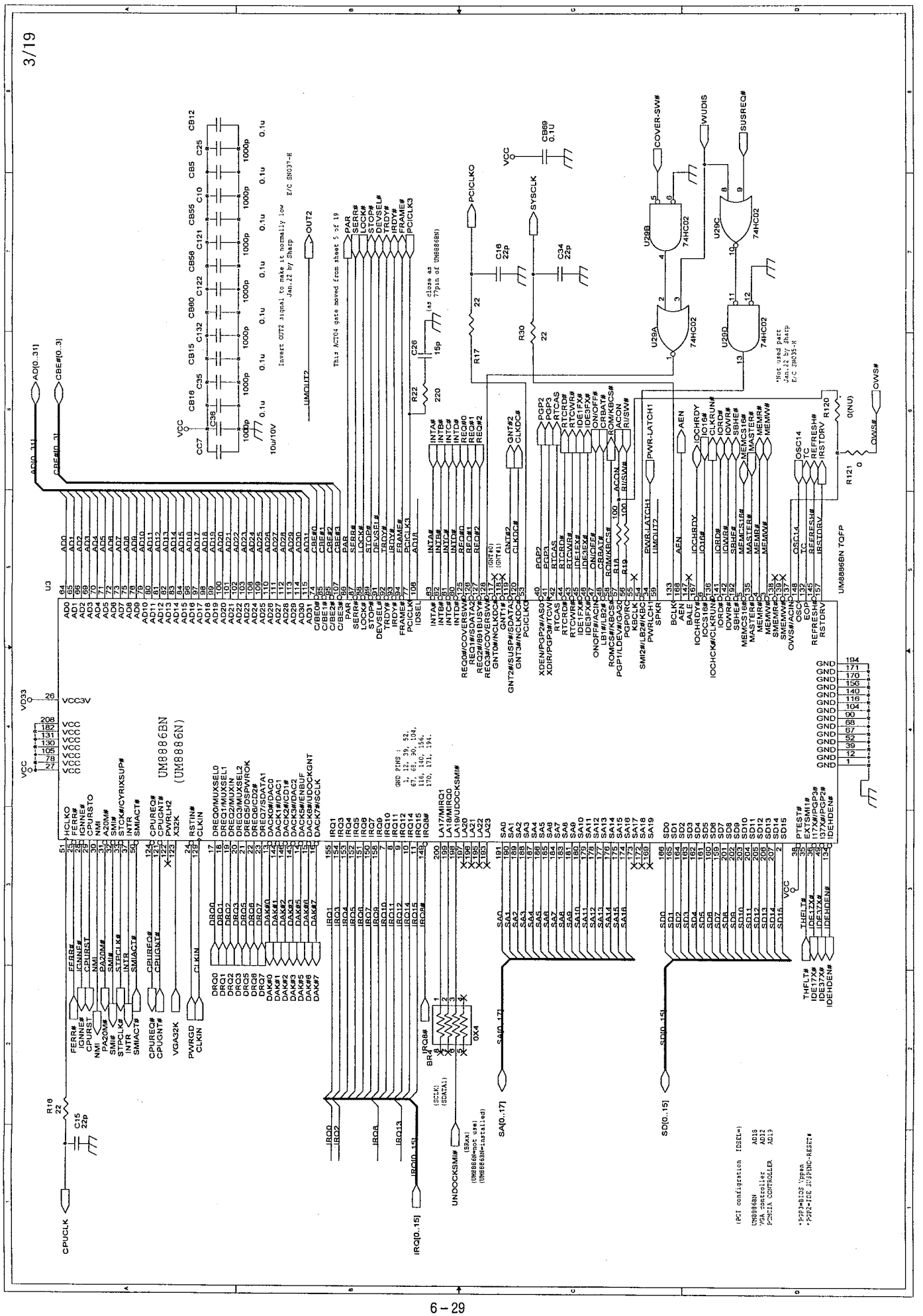
|LINK AVMB-1.SCH	:	TITLE
|AVMB-2.SCH	:	CPU, POWER CONN
|AVMB-3.SCH	:	UM8323N PCI - ISA BRIDGE
|AVMB-4.SCH	:	CLK GEN, PMC, DMA DECODER
|AVMB-5.SCH	:	BIOS, RTC
|AVMB-6.SCH	:	M38802 KB CONTROLLER
|AVMB-7.SCH	:	HDD, FDD + CD-ROM CONN
|AVMB-8.SCH	:	MPEG, VGA DRAM
|AVMB-9.SCH	:	VGA CONTROLLER GD7543
|AVMB-10.SCH	:	LCD, VIDEO OUT INTERFACE
|AVMB-11.SCH	:	CRT, LCD, RCA CONN
|AVMB-12.SCH	:	SUPER I/O PC87336
|AVMB-13.SCH	:	PCMCIA PD6729
|AVMB-14.SCH	:	PCMCIA SLOT
|AVMB-15.SCH	:	IR CONTROLLER ASIC-100
|AVMB-16.SCH	:	AUDIO CHIP VIBRA16S
|AVMB-17.SCH	:	AUDIO JACK, AUDIO AMP
|AVMB-18.SCH	:	MODEM CONN
|AVMB-19.SCH	:	DOCKING CONN

RELEASE BY: ROBIN DATE: FEB 26,1996 FOR AVMB V0.7 MP-1/MP-2

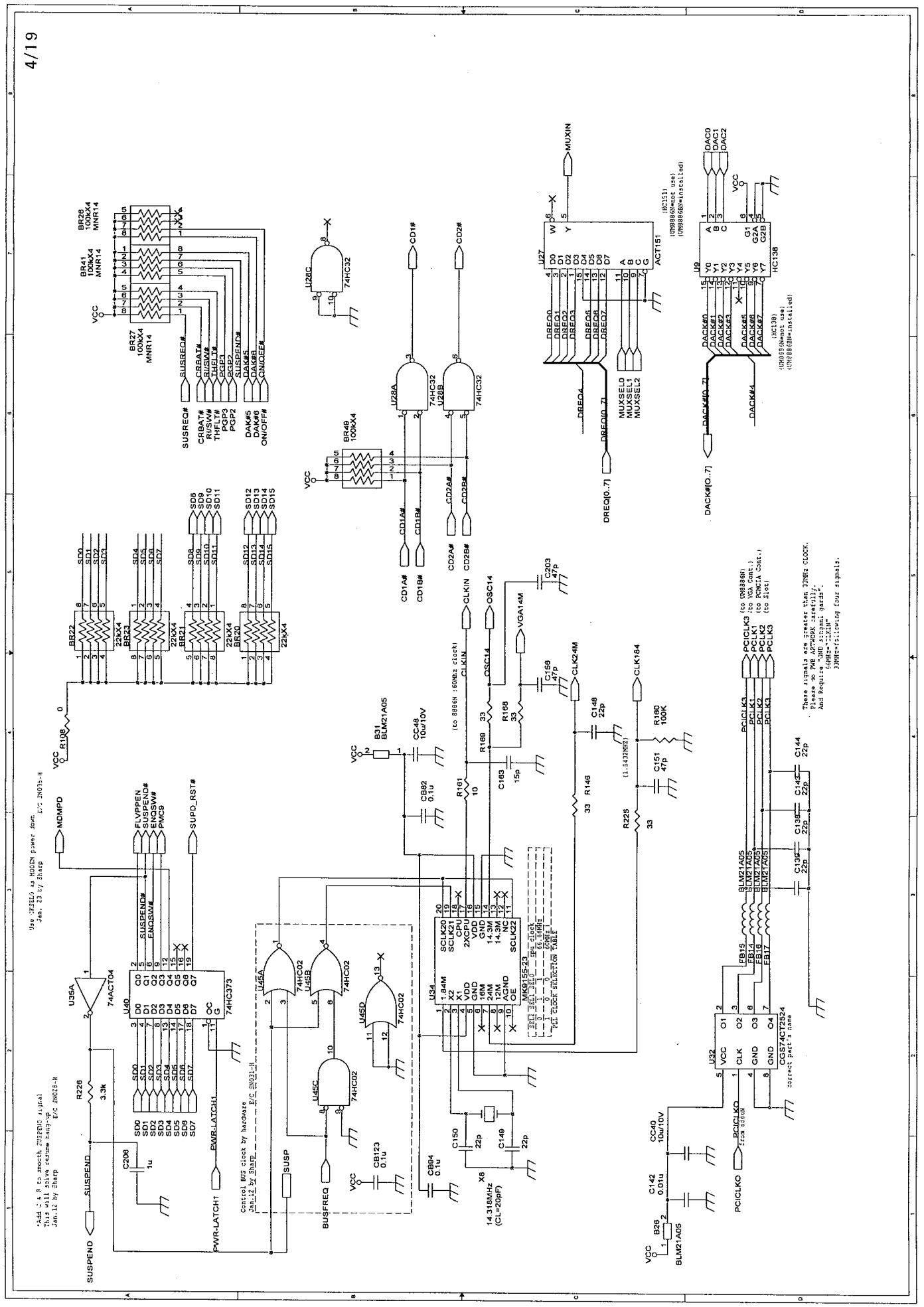
MAIN-PWB VER:07(PCI/DC-DC CONNECTOR)



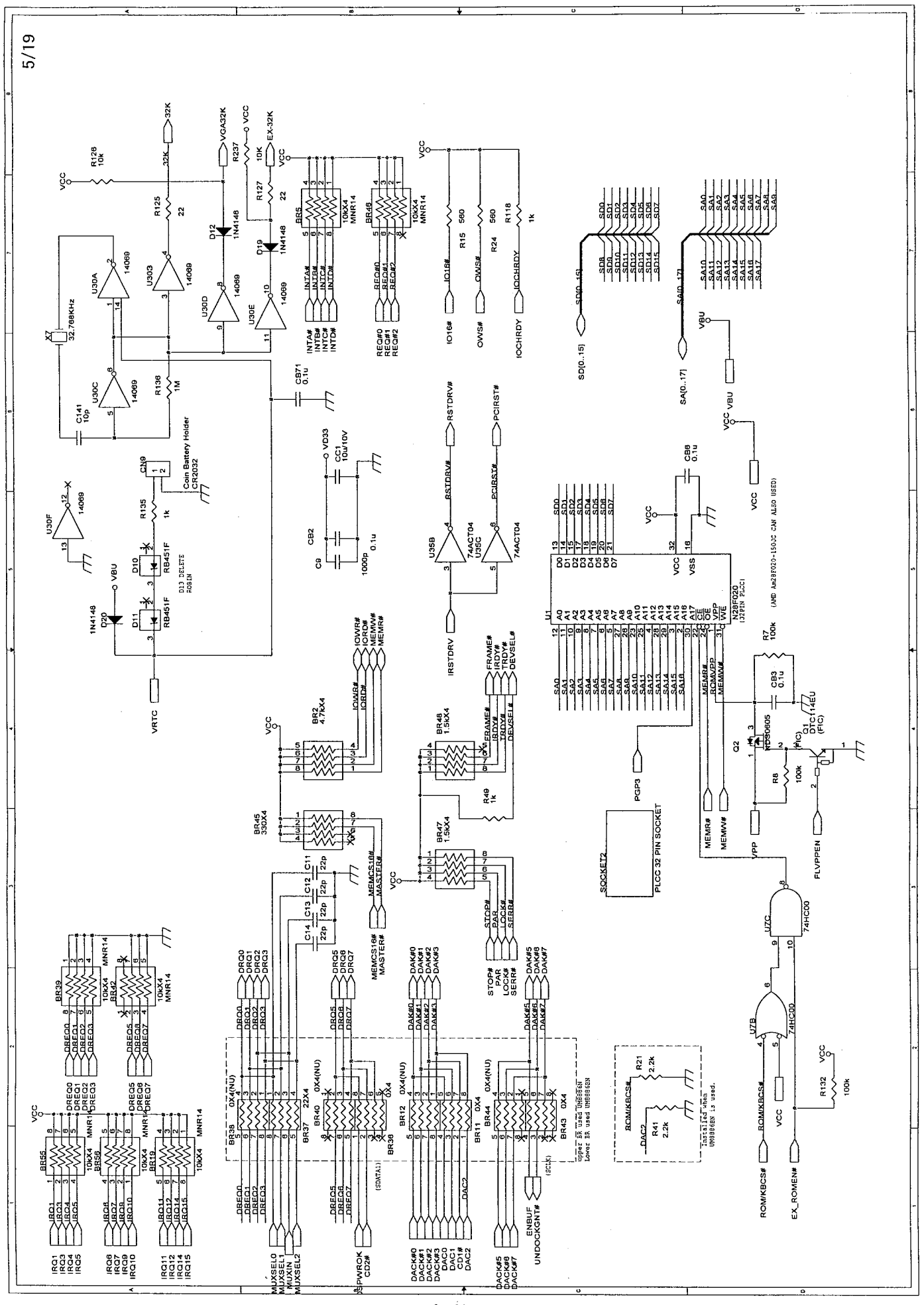
MAIN-PWB VER:07(UM8886BN)



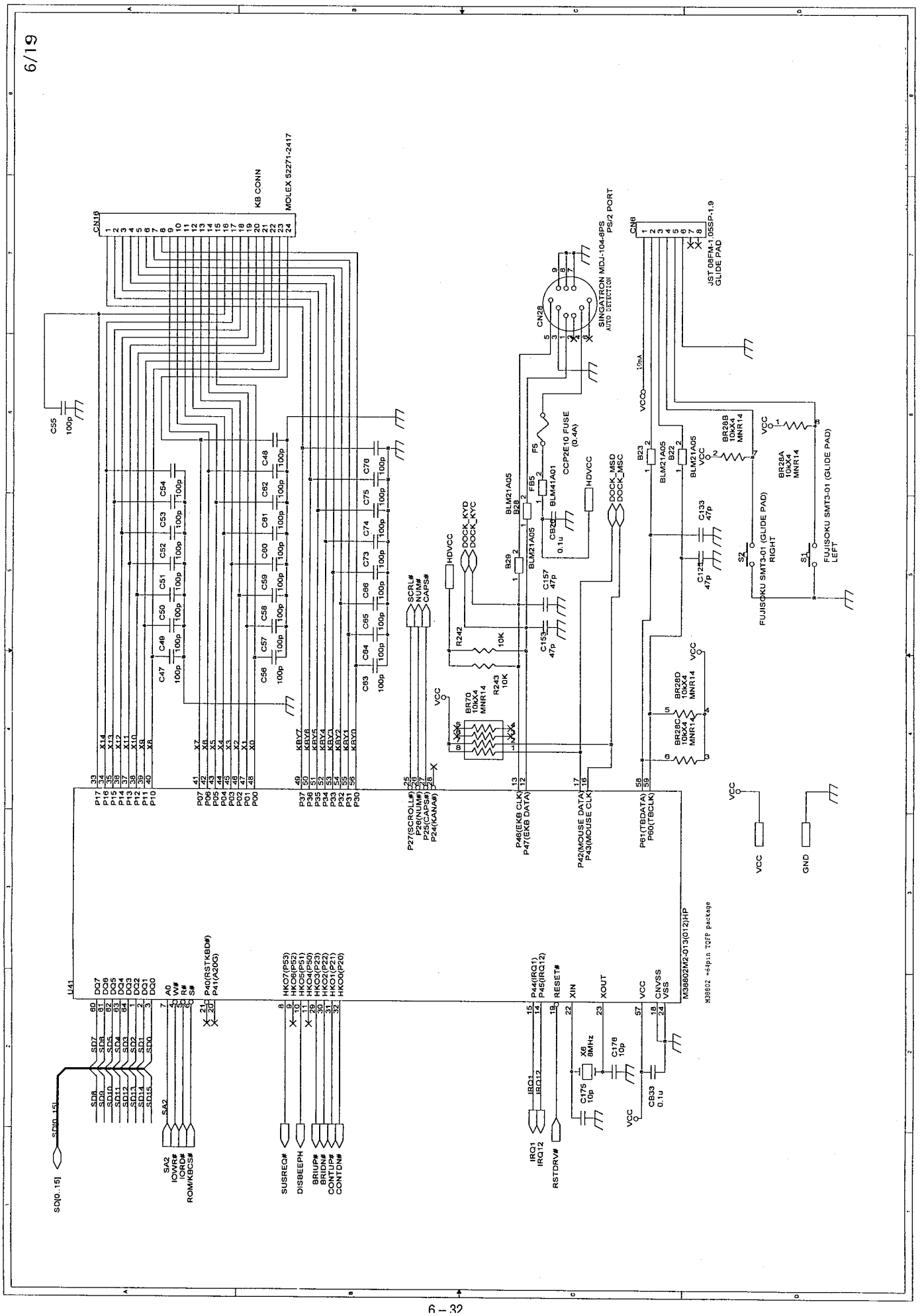
MAIN-PWB VER:07(CLOCK GENERATOR/BUFFER)



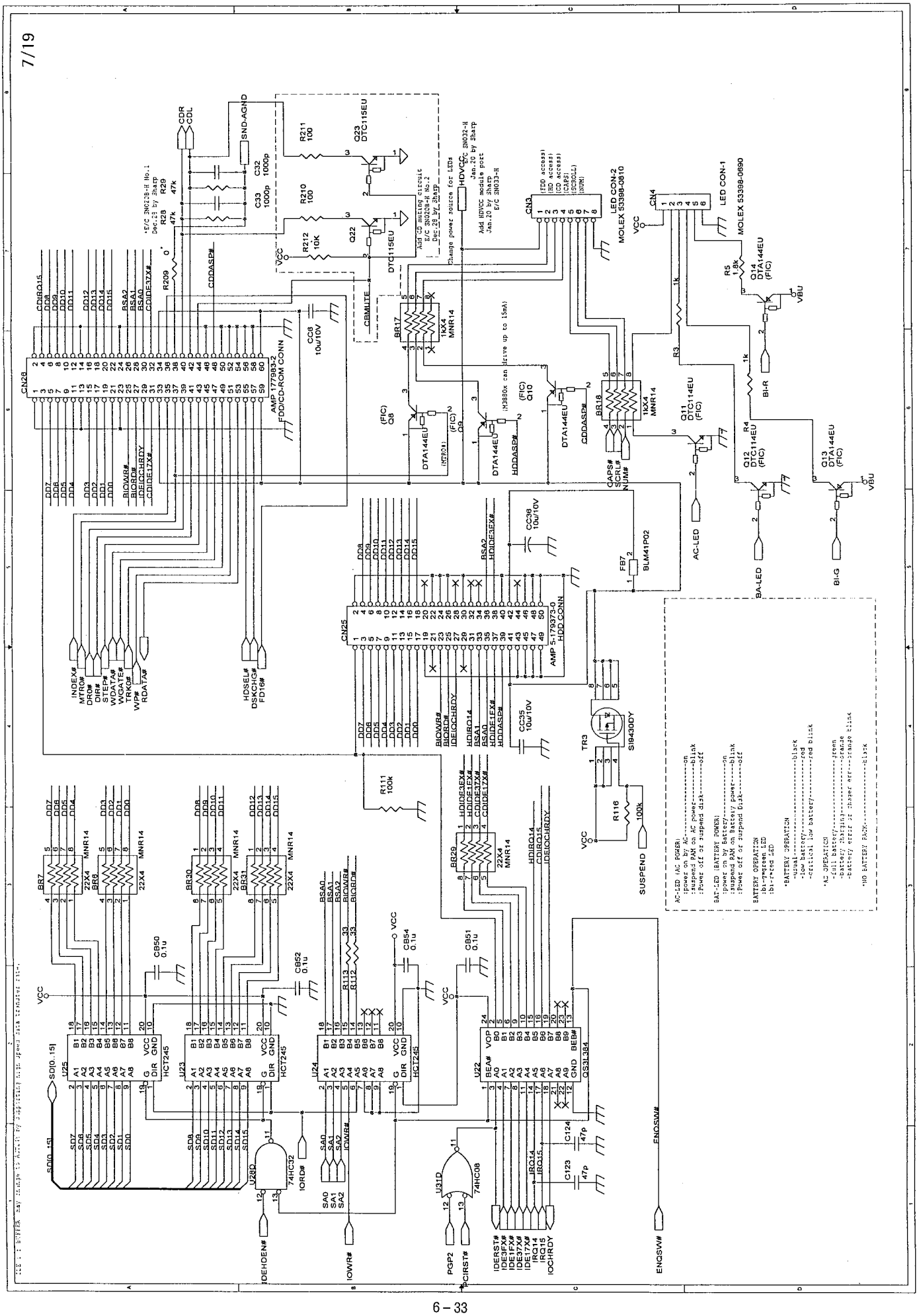
MAIN-PWB VER:07(EXTERNAL RTC, KEYBOARD AND ROM)



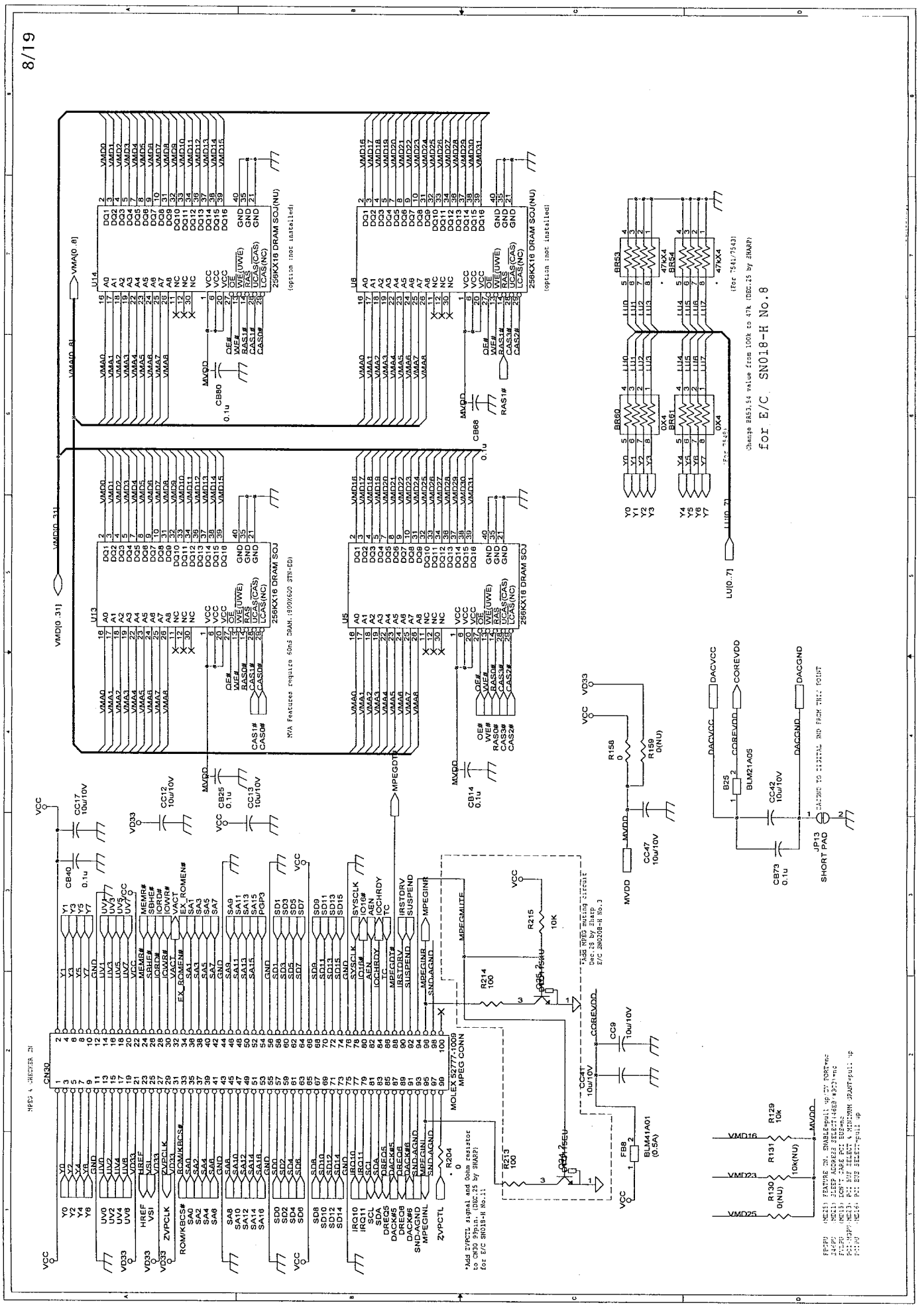
MAIN-PWB VER:07(KEYBOARD CONTROLLER)



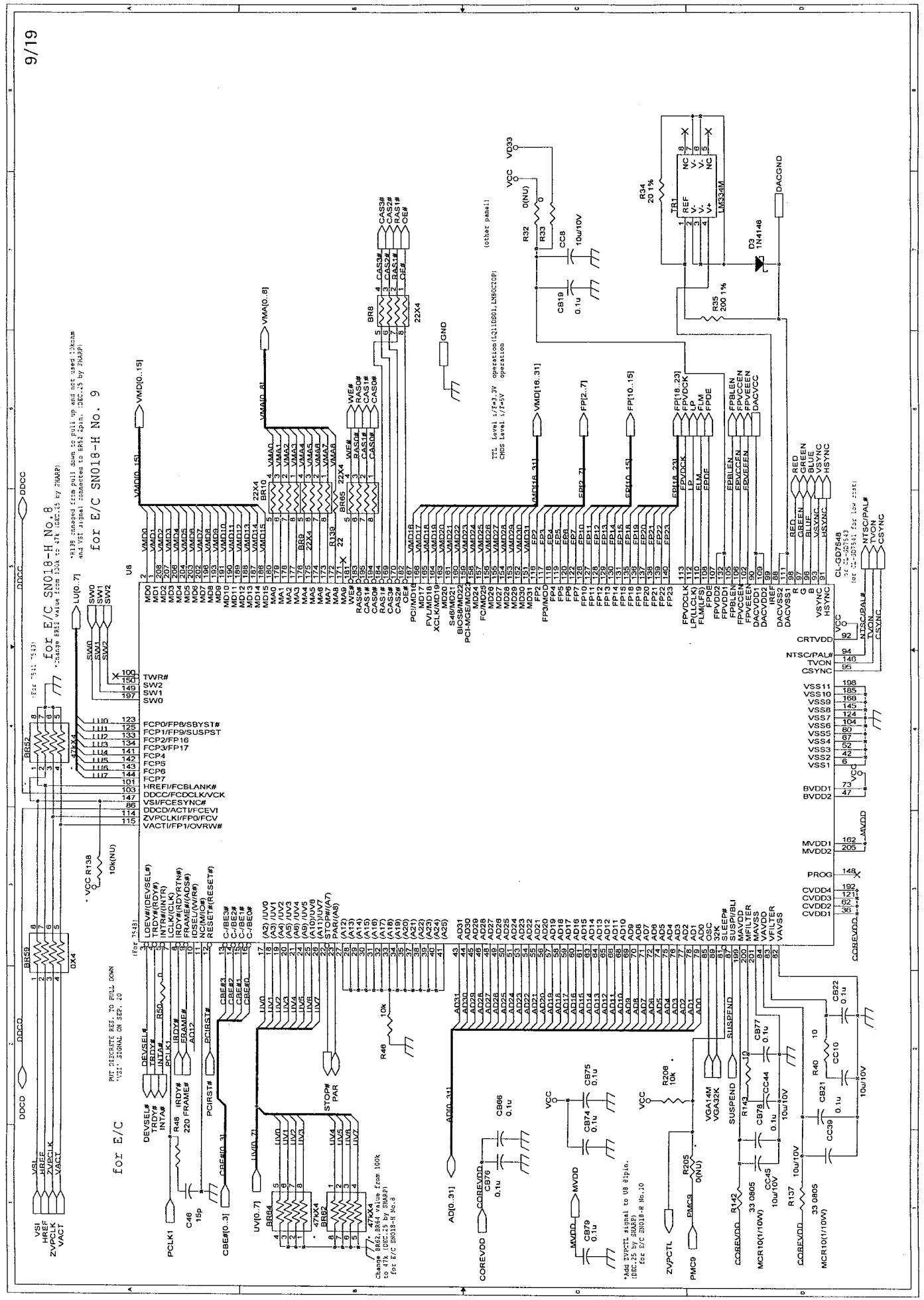
MAIN-PWB VER:07(PCI IDE BUFFERS CONN.)



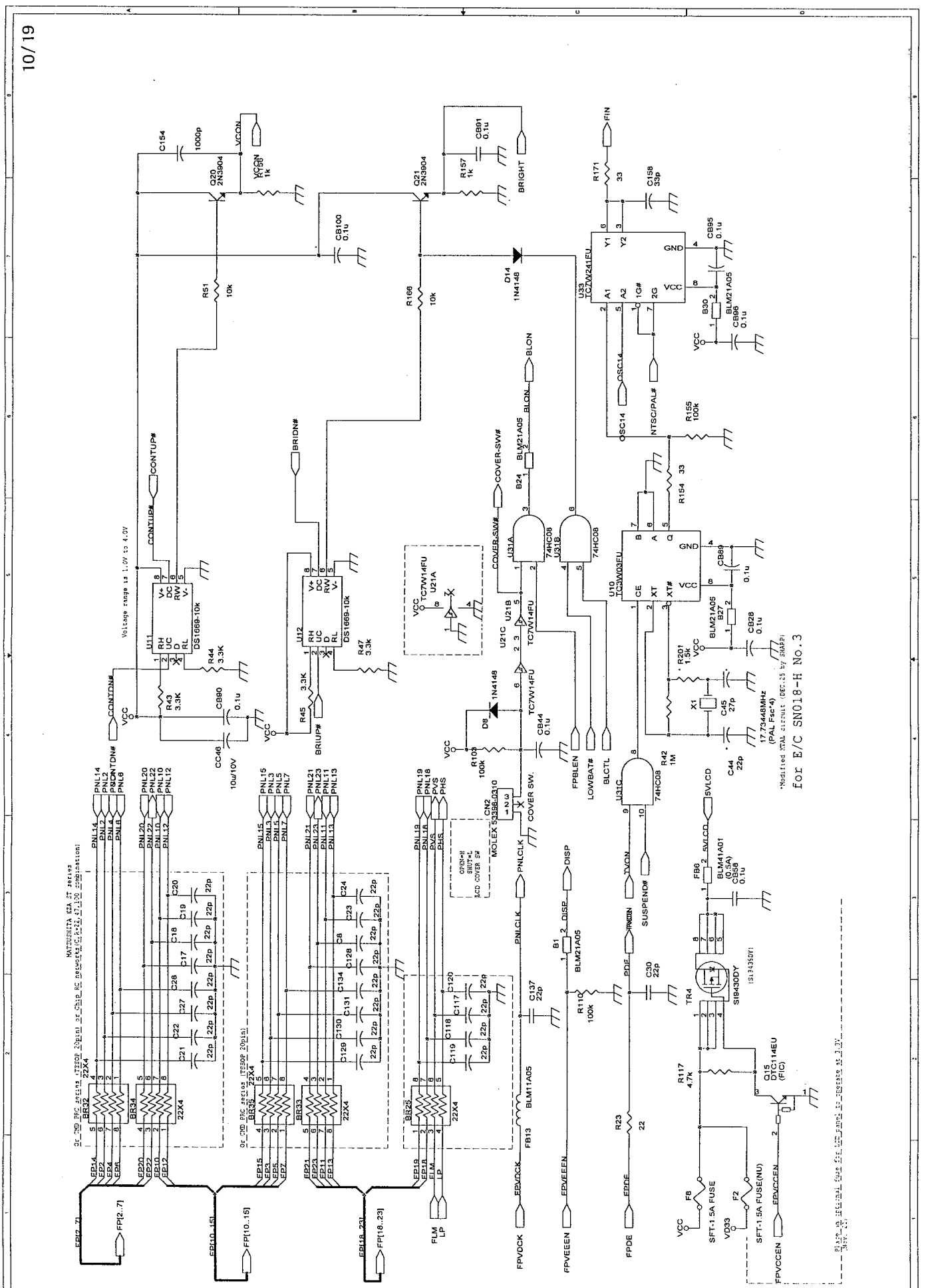
MAIN-PWB VER:07(MPEG/VRAM)



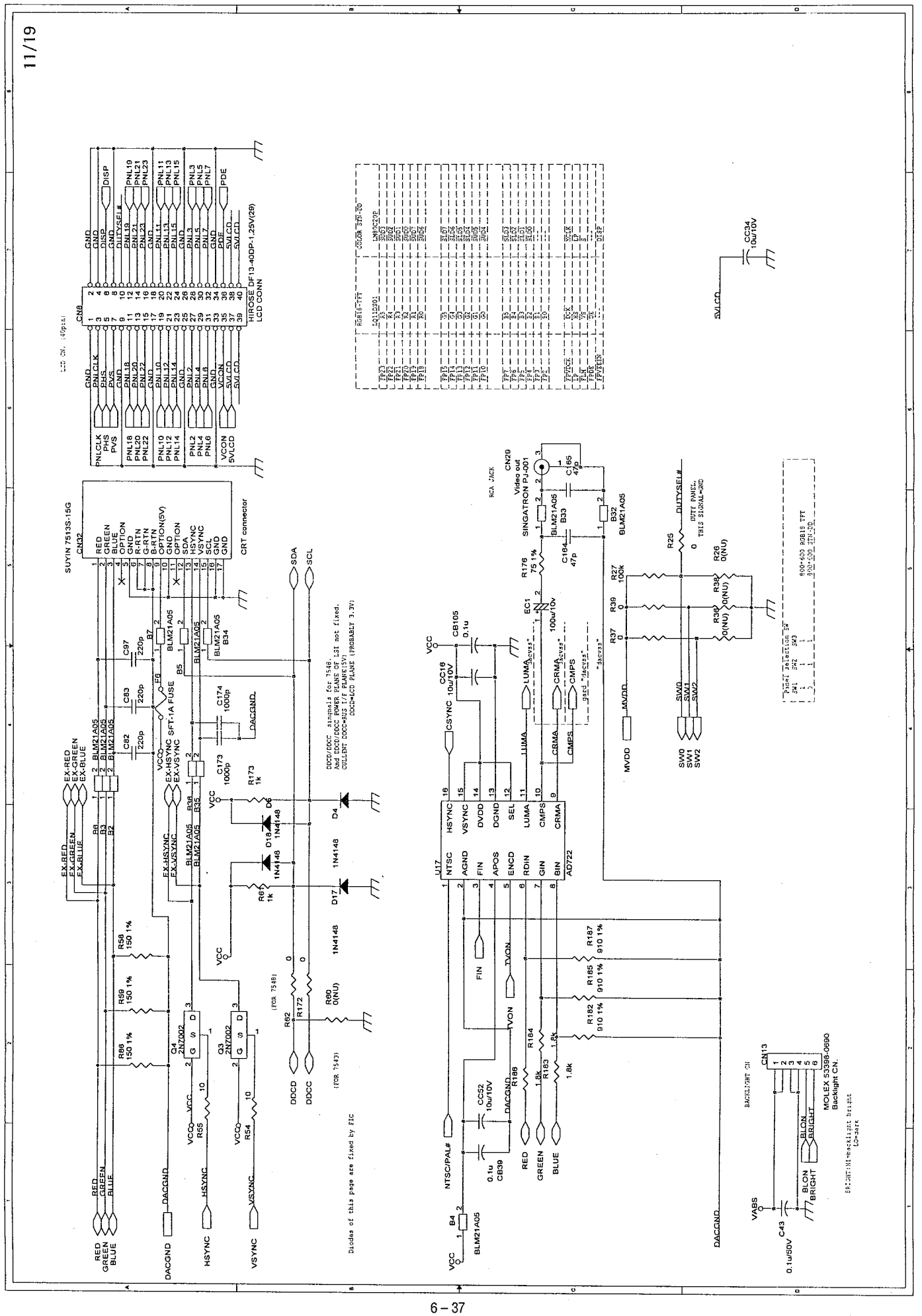
MAIN-PWB VER:07(VGA CONTROLLER 7548)



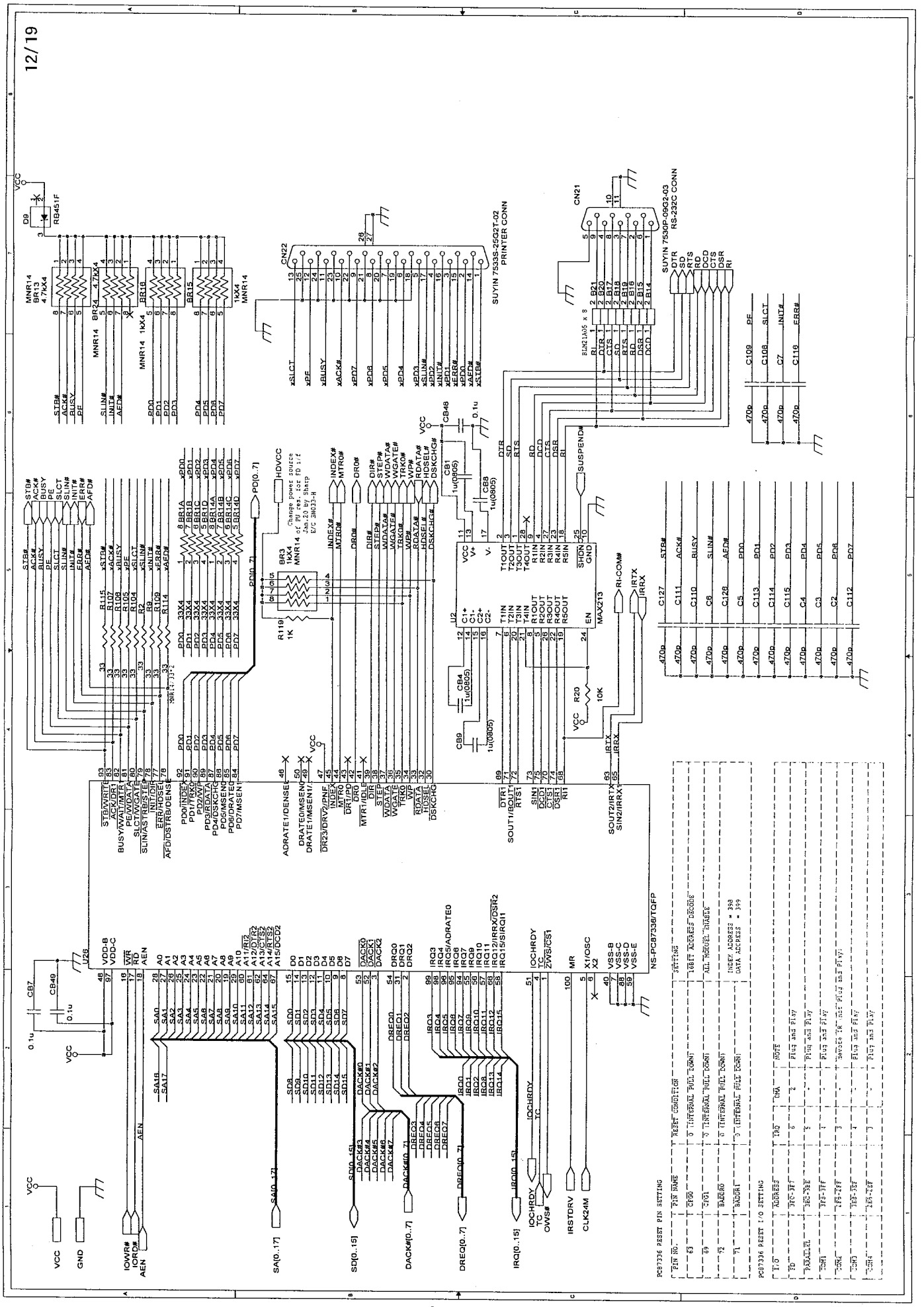
MAIN-PWB VER:07(LCD/VIDEO OUTPUT INTERFACE)



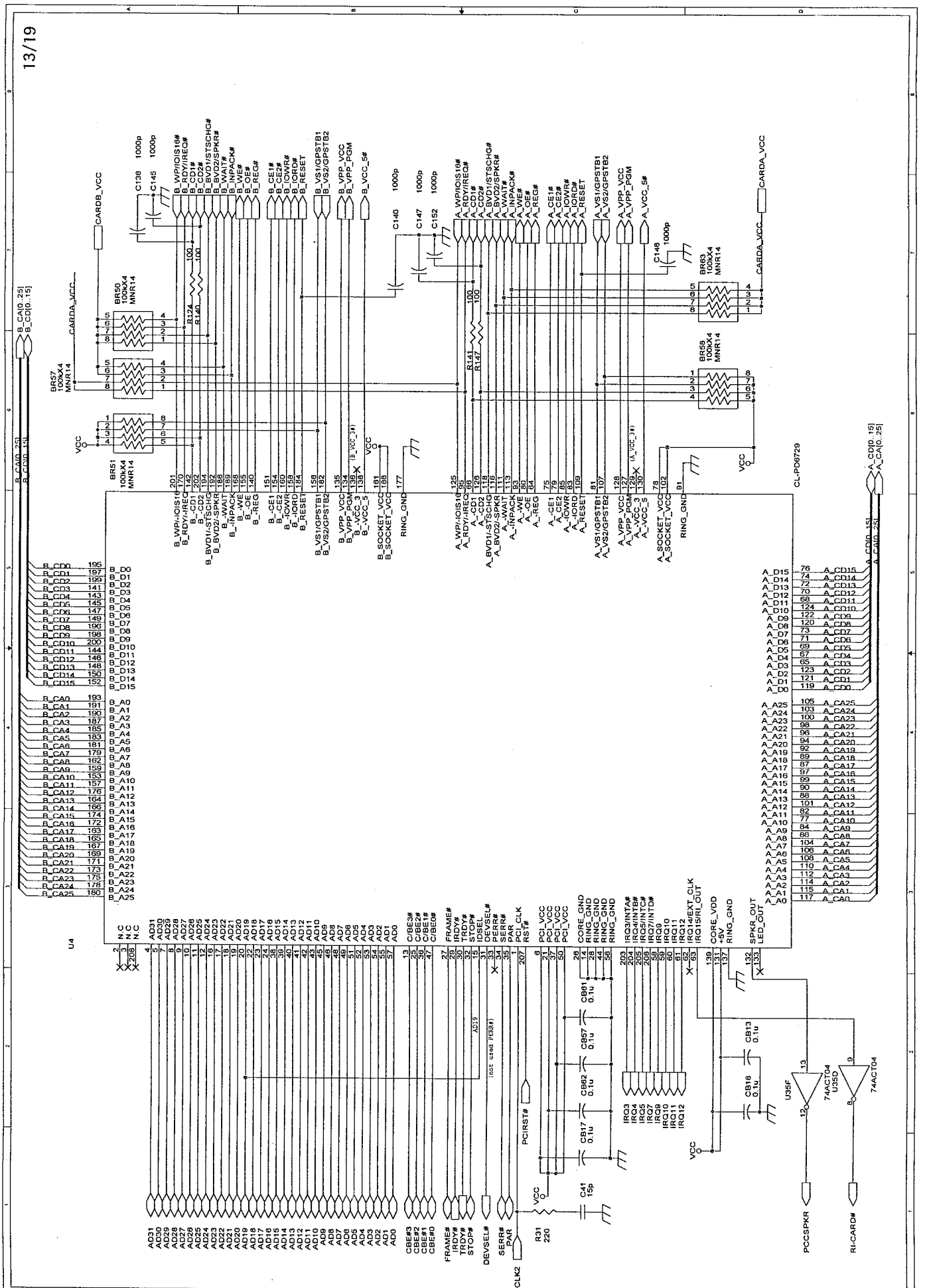
MAIN-PWB VER:07(CRT/LCD/TV OUTPUT)



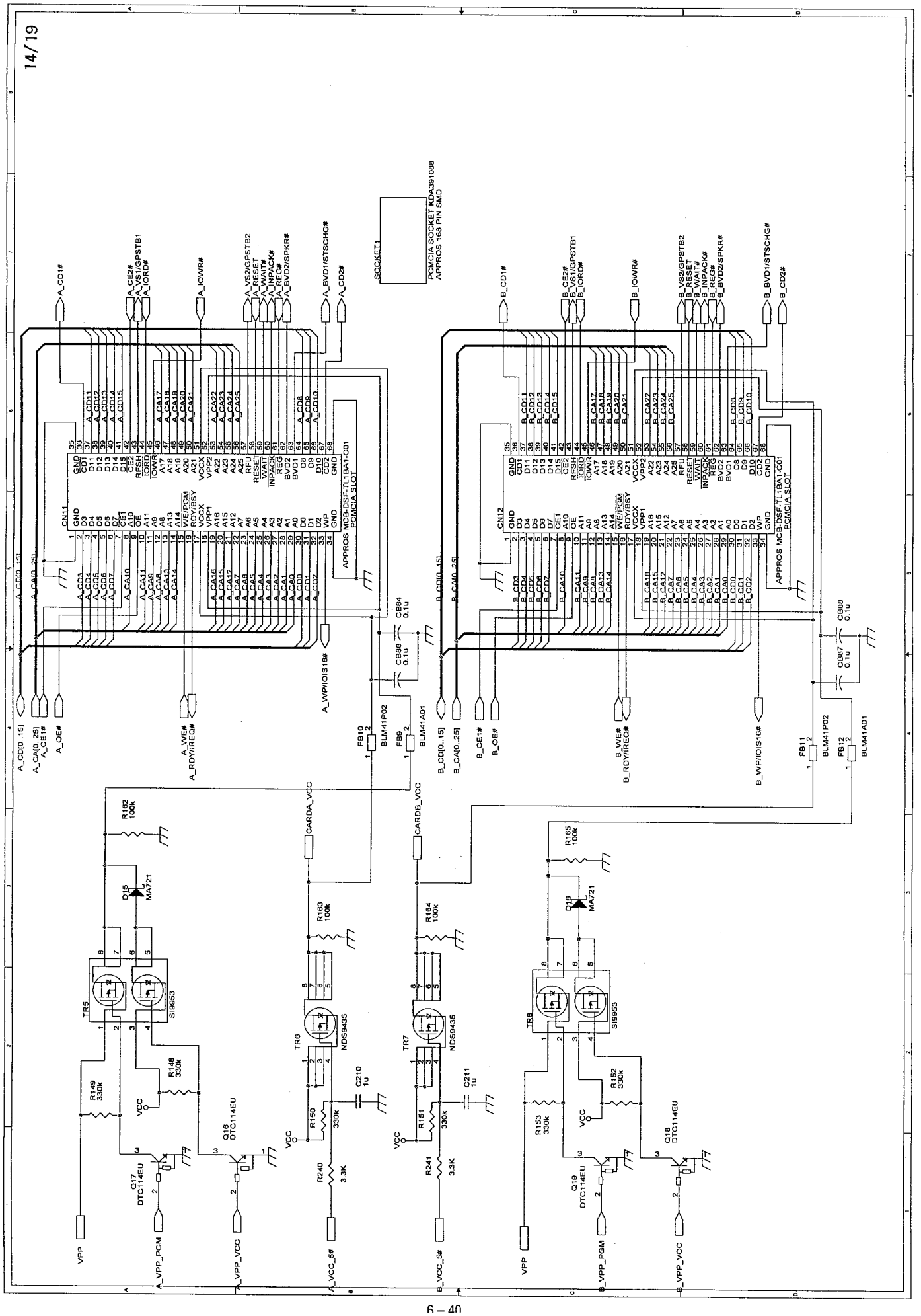
MAIN-PWB VER:07(SUPER I/O 87336)



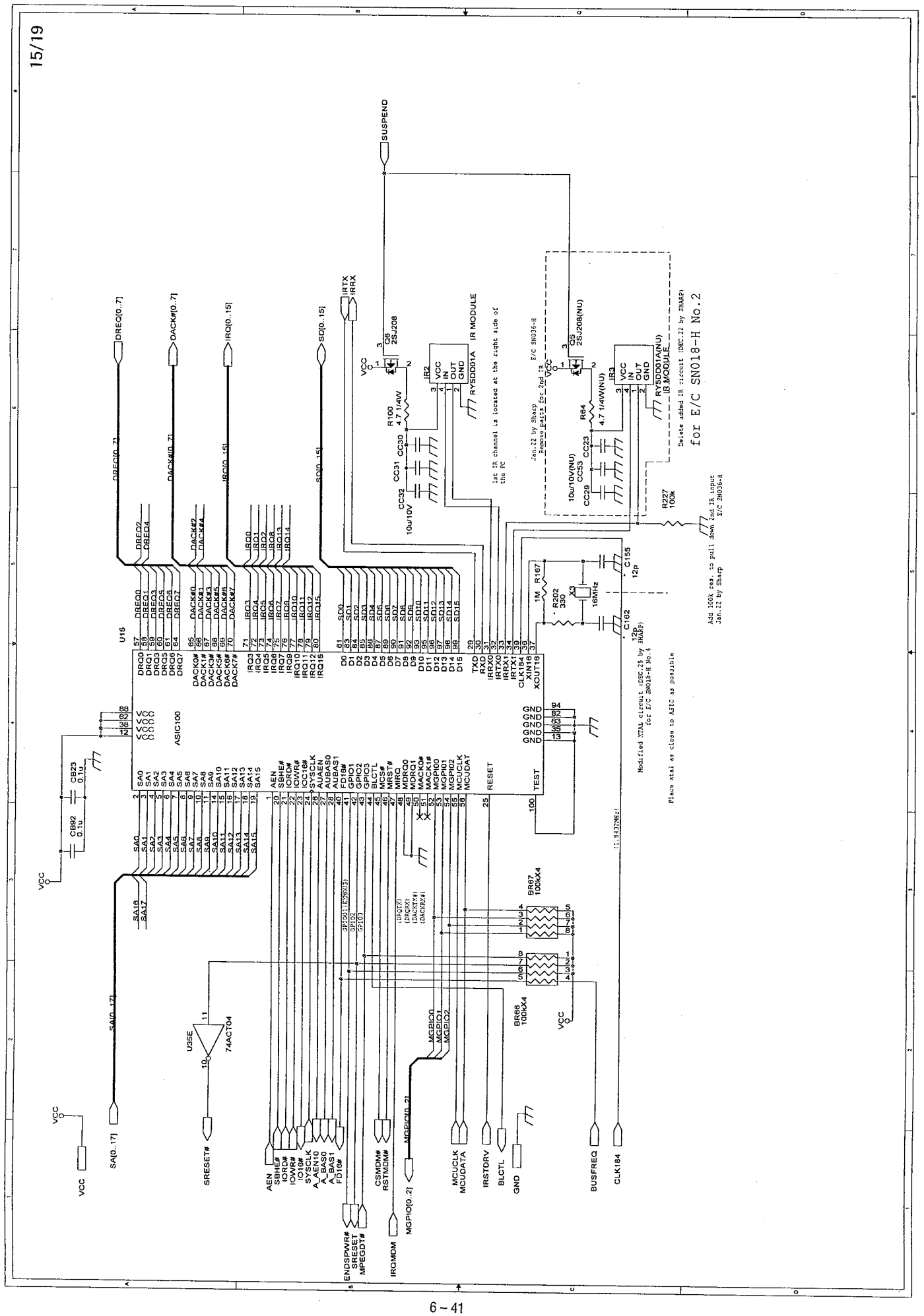
MAIN-PWB VER:07(PCMCIA CONTROLLER 6729)



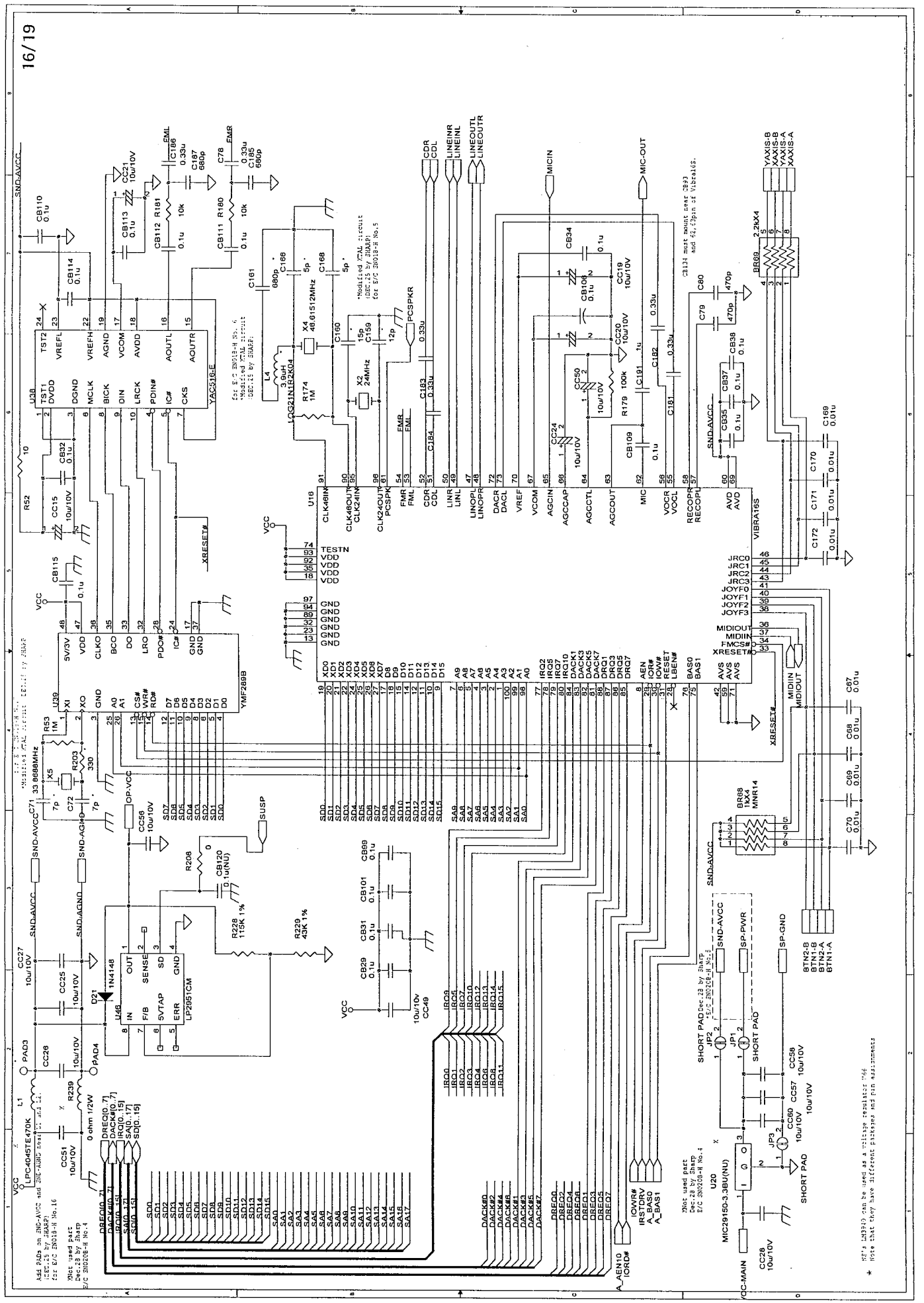
MAIN-PWB VER:07(PCMCIA SLOT)



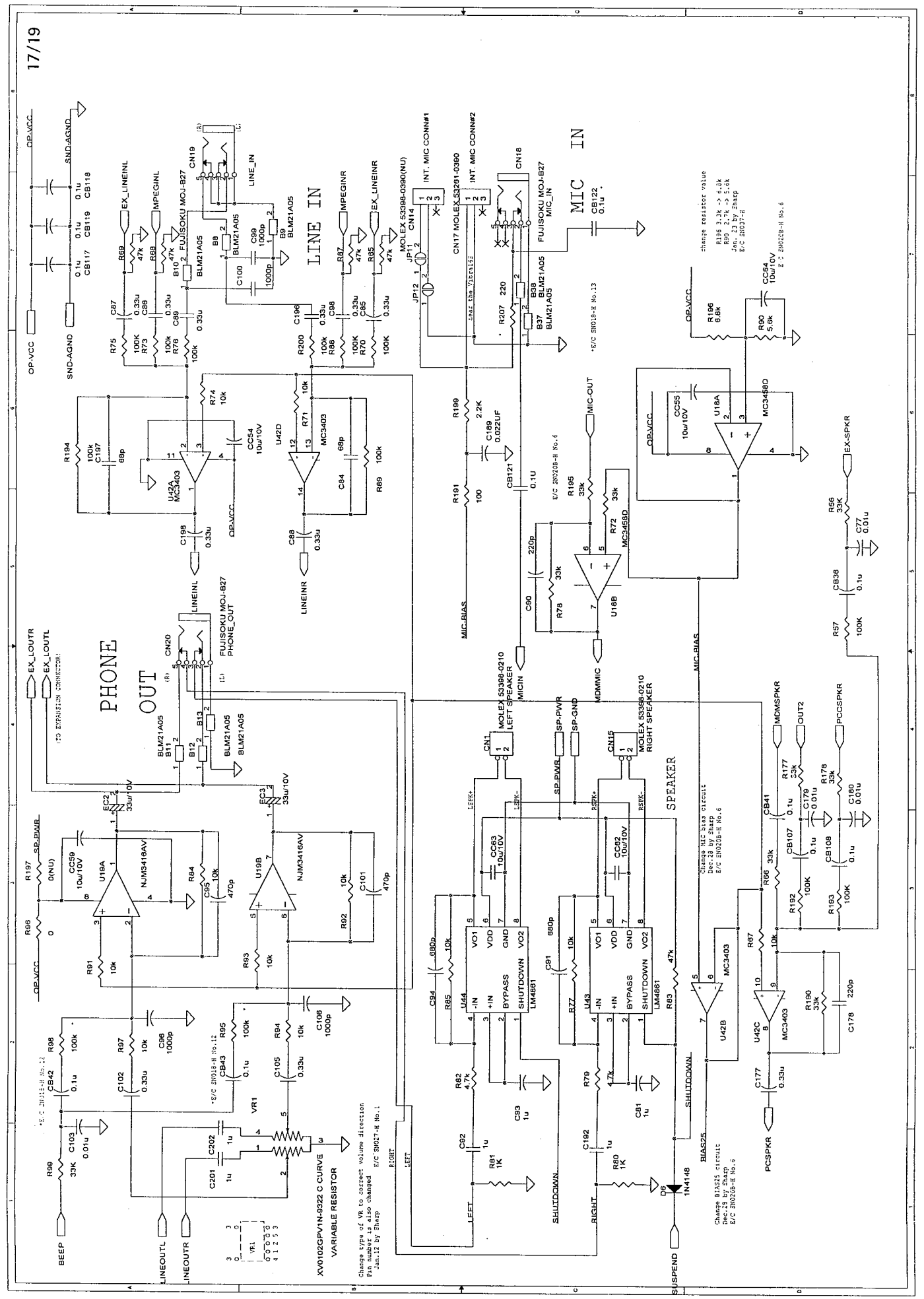
MAIN-PWB VER:07(FAST IR CONTROLLER)



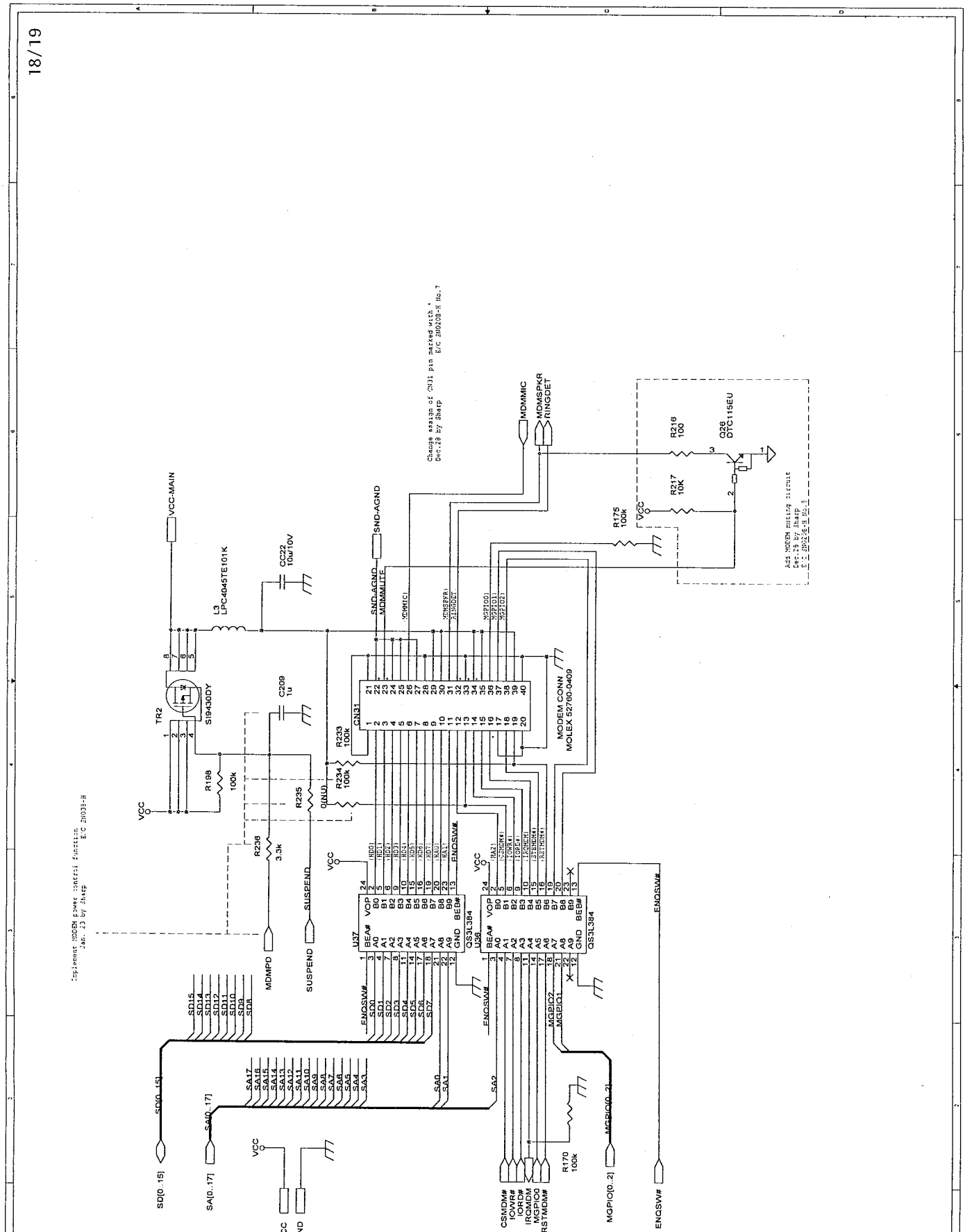
MAIN-PWB VER:07(AUDIO CHIP VIBRA16S)



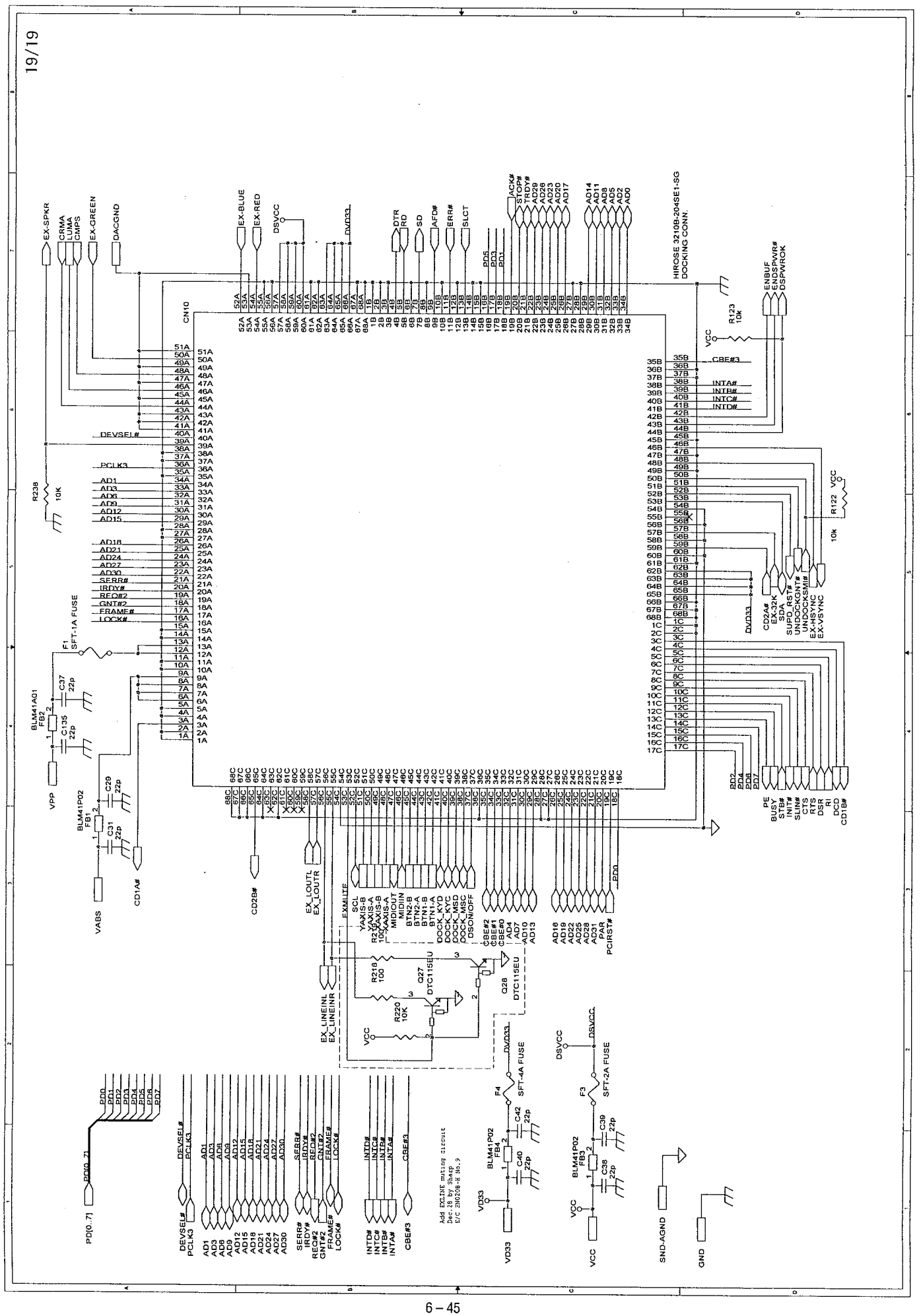
MAIN-PWB VER:07(AUDIO INTERFACE CIRCUIT)



MAIN-PWB VER:07(MODEM CONNECTOR)



MAIN-PWB VER:07(DOCKING CONNECTOR)



MAIN-PWB SIGNAL LOCATION LIST

Signal	Location
ACK#	12(A6),12(A7),19(C8)
ACON	2(B5),3(C6)
AC-CED	2(B5),7(D6)
AD0..31	2(A1),3(A7),9(B1),13(A1),13(B1),19(C3), 19(C8)
AEN	3(D6),8(B3),12(A1),15(B1)
AFD#	12(A6),12(A7),19(B8)
A_AEN10	15(B1),16(C1)
A_BAS0	15(B1),16(C1)
A_BAS1	15(B1),16(C1)
A_BVD1/STSCHG#	13(C8),14(B7)
A_BVD2/SPKR#	13(C8),14(B7)
A_CA0..25	13(D6),14(A4)
A_CD0..15	13(D6),14(A4)
A_CD1#	13(C8),14(A7)
A_CD2#	13(C8),14(B7)
A_CE1#	13(C8),14(A4)
A_CE2#	13(C8),14(A7)
A_INPACK#	13(C8),14(B7)
A_IORD#	13(C8),14(A7)
A_IOWR#	13(C8),14(A7)
A_OE#	13(C8),14(A4)
A_RDY/IREQ#	13(C8),14(A4)
A_REG#	13(C8),14(B7)
A_RESET	13(C8),14(B7)
A_VCC_5#	13(C8),14(B1)
A_VPP_PGM	13(C8),14(A1)
A_VPP_VCC	13(C8),14(B1)
A_VS1/GPSTB1	13(C8),14(A7)
A_VS2/GPSTB2	13(C8),14(B7)
A_WAIT	13(C8),14(B7)
A_WE	13(C8),14(A4)
A_WP/IOIS16#	13(C8),14(B5)
BA-LED	2(B5),7(D5)
BEEP	2(B5),17(A1)
BI-G	2(B8),7(D5)
BI-R	9(B8),7(D7)
BIOWR#	7(B3),7(A6),7(B4)
BIORD#	7(B3),7(A6),7(B4)
BLCTL	10(C4),15(C1)
BLON	10(C7),11(D1)
BLUE	9(D6),11(A1),11(C1)
BRIGHT	10(C8),11(D1)
BRIDN	6(B1),10(B6)
BRIUP	6(B1),10(B4)
BSA0	7(A7),7(B3),7(C4)
BSA1	7(A7),7(B3),7(C4)
BSA2	7(A7),7(B3),7(C5)
BTN1-A	16(D3),19(B3)
BTN1-B	16(D3),19(B3)
BTN2-A	16(D3),19(B3)
BTN2-B	16(D3),19(B3)
BUSFREQ	2(C4),4(B1),15(C1)
BUSY	12(A6),12(A7),19(D4)
B_BVD1/STSCHG#	13(A8),14(D7)
B_BVD2/SPKR#	13(A8),14(D7)
B_CA0..25	13(A7),14(C4)
B_CD0..15	13(A7),14(B4)
B_CD1#	13(A8),14(C7)
B_CD2#	13(A8),14(D7)
B_CE1#	13(B8),14(C4)
B_CE2#	13(B8),14(C7)
B_INPACK#	13(A8),14(D7)
B_IORD#	13(B8),14(C7)
B_IOWR#	13(B8),14(C7)
B_OE#	13(B8),14(C4)
B_RDT/IREQ	13(A8),14(C4)
B_REG#	13(B8),14(D7)
B_RESET	13(B8),14(D7)
B_VCC_5#	13(B8),14(B1)
B_VPP_PGM	13(B8),14(C1)
B_VPP_VCC	13(B8),14(D1)
B_VS1/GPSTB1	13(B8),14(C7)
B_VS2/GPSTB2	13(B8),14(D7)
B_WAIT	13(A8),14(D7)
B_WE	13(B8),14(C4)
B_WP IOIS16#	13(A8),14(D4)
CAPS#	6(B5),7(C6)
CAS0#	8(B4),8(B7),9(B6)
CAS1#	8(B4),8(B7),9(B6)
CAS2#	8(C4),8(C7),9(B8)
CAS3#	8(C4),8(C7),9(B8)
CBE#0..3	2(A1),3(A7),9(A1),13(B1),19(B1),19(C3)
CD1#	4(B7),5(B1)
CD2#	4(C7),5(B1)
CD1A#	4(B5),19(A3)
CD1B#	4(B5),19(D4)
CD2A#	4(B5),19(D5)
CD2B#	4(B5),19(B3)
CDDASP	7(C6),7(C7)
CDIDE17X	7(C4),7(A6)
CDIDE37X	7(C4),7(A7)
CDIRQ15	7(C4)
CDL	7(A8),16(B8)
CDR	7(A8),16(B8)
CLK184	4(C5),15(C1)
CLK24M	4(C5),12(C1)
CLKDC#	2(C4),3(C6)
CLKIN	3(A2),4(C5)
CLKRUN#	2(C1),3(D6)
CONTDN#	6(B1),10(A4)
CONTUP#	6(B1),10(A6)
COREVDD	8(D4),8(C2),9(C1),9(D1),9(D3),2(A4)
COVER-SW#	3(C8),10(C6)
CPUCLK	2(B1),3(A1)
CPUGNT#	2(C4),3(A2)
CPUREQ#	2(C4),3(A2)
CPURST	2(C1),3(A2)
CRBAT#	2(B8),3(C6),4(A6)
CRMA	11(C4),19(A8)

Signal	Location
CSMDM#	15(B1),18(C2)
CSYNC	9(D6),11(C4)
CTS	12(D7),19(D4)
CMPS	11(C4),19(A8)
CARDA VCC	13(D8),13(A7),14(B3)
CARDB VCC	13(A8),14(B3)
DAC0..2	4(D8),5(B1)
DACGND	8(D5),9(D8),11(A1),11(B4),11(D1),19(A8)
DACK#0..7	4(D6),5(B1),5(C1),8(B1),12(B1),15(A7),
	16(A2)
DACVCC	8(D5),9(D6)
DAK#0..7	3(B3),4(B7),5(B3),5(C3)
DCD	12(D7),19(D4)
DD0..15	7(A4),7(A6),7(A7),7(B4),7(B6)
DDCD	9(A2),11(B2)
DEVSEL#	2(C4),3(B8),5(C5),9(A2),13(C1),19(A1)
DIR	7(A5),12(B6)
DISBEEPH	2(C7),6(B1)
DISP	10(C3),11(A8)
DOCK_MSC	6(C6),19(C3)
DOCK_MSD	6(C6),19(C3)
DOCK_KYC	6(C6),19(C3)
DOCK_KYD	6(C6),19(C3)
DR0	7(A5),12(B6)
DREQ0..7	4(C6),5(A2),8(B1),12(C1),15(A7),16(A2)
DRQ0..7	3(B3),5(B3)
DSKCHG#	7(B5),12(B6)
DSON/OFF	2(C8),19(C3)
DSPWROK	5(B1),19(D7)
DSR	12(D7),19(D4)
DTR	12(C7),19(B8)
DUTYSEL#	11(D6)
ENBUF	5(C1),19(D7)
ENDSPWR#	15(B1),19(D7)
ENQSW#	4(A4),7(C1),18(C1)
ERR#	12(A6),12(D7),19(C8)
EX_32K	5(B8),19(D5)
EX_BLUE	11(A4),19(B8)
EX_GREEN	11(A4),19(A8)
EX_HSYNC	11(A4),19(D5)
EX_LINEINL	17(A8),19(B2)
EX_LINEINR	17(B8),19(B2)
EX_LOUTL	17(A5),19(B3)
EX_LOUTR	17(A5),19(B3)
EX_ROMEN#	5(D1),8(A3)
EX_RED	11(A4),19(B8)
EX_SPKR	17(D6),19(A8)
EX_VSTNC	11(A4),19(D5)
FD16#	7(B5),15(B1)
FERR#	2(C1),3(A2)
FIN	10(C8),11(C3)
FLM	9(D6),10(B1)
FLVPPEN	4(A4),5(D4)
FP2..7	9(C7),10(A1)
FP10..15	9(C7),10(B1)

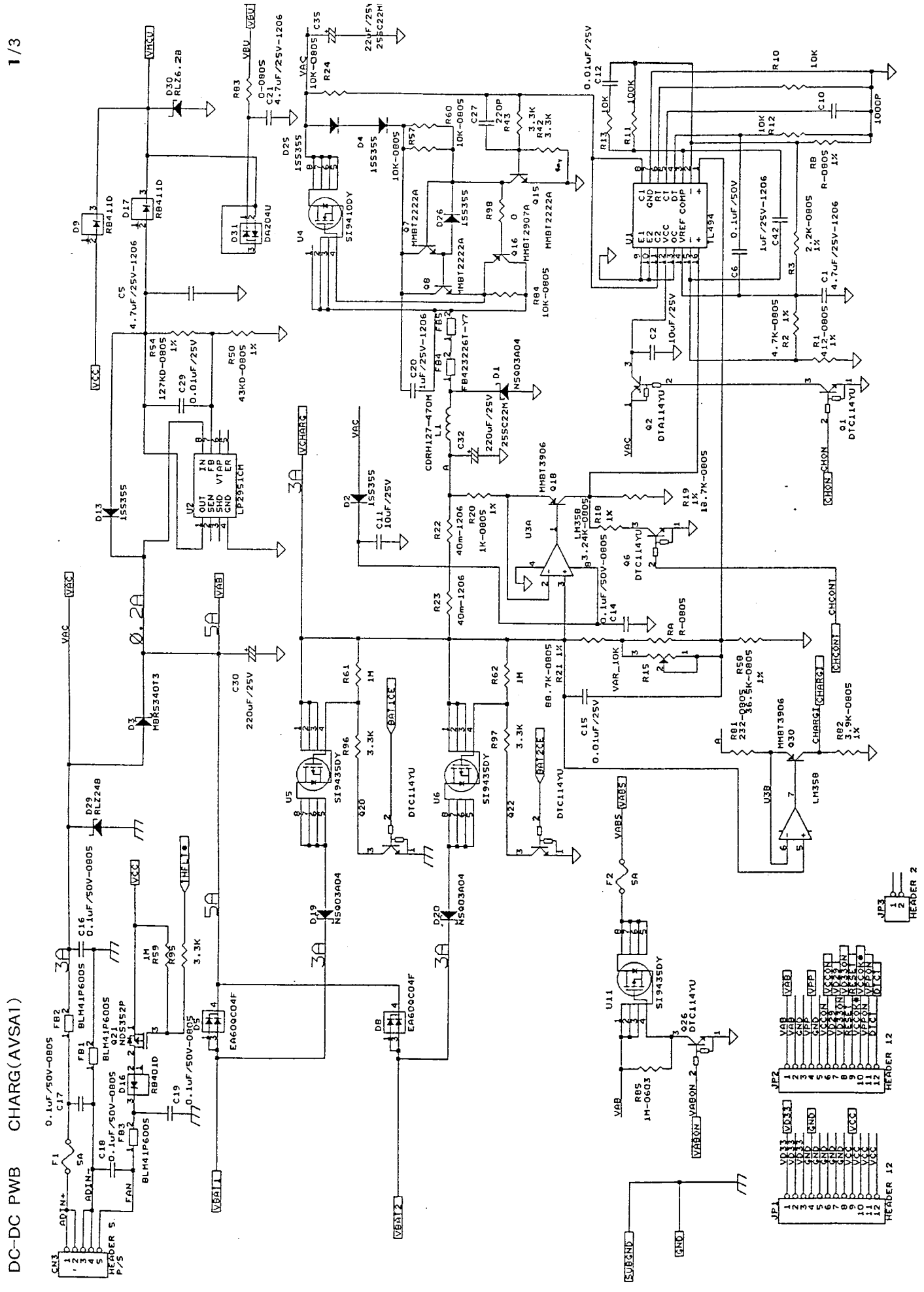
Signal	Location
FP18..23	9(C7),10(B1)
FPBLEN	9(D6),10(C4)
FPDE	9(D6),10(C1)
FPVCCEN	9(D6),10(D1)
FPVDCK	9(C6),10(C1)
FPVEEEN	9(D6),10(C1)
FRAME#	2(C4),3(B8),5(C5),9(A2),13(B1),19(B1)
FMR	16(B6),16(A8)
FML	16(B6),16(A8)
GNT2	3(C6),19(B1),19(A5)
GREEN	9(D6),11(A1),11(C1)
HDDASP	7(C4),7(C6)
HDIDE1FX	7(C4)
HDIDE3FX	7(C4),7(C6)
HDIRQ14	7(C4),7(C3)
HDSEL#	7(B5),12(B6)
HDVCC	6(C6),7(C8),12(B6)
HREF	9(A1),8(A1)
HSYNC	9(D6),11(A1)
IDE17X#	3(D3),7(C1)
IDE37X#	3(D3),7(C1)
IDE1FX	3(C6),7(C1)
IDE3FX	3(C6),7(C1)
IDEHDEN#	3(D3),7(B1)
IDERST#	7(C1)
IDEIOCHRDY	7(A6),7(C4),7(B4)
IGNNE#	2(C1),3(A2)
INDEX#	7(A5),12(B6)
INIT	12(A6),12(A7),12(D7),19(D4)
INTA#	3(C6),5(B7),9(A2),19(B1),19(D7)
INTB#	3(C6),5(B7),19(B2),19(D7)
INTC#	3(C6),5(B7)19(B2),19(D7)
INTD#	3(C6),5(B7)19(B2),19(D7)
INTR	2(C4),3(A2)
IO16	3(D6),5(B7),8(B3),15(B1)
IOCHRDY	3(D6),5(C7),7(C1),8(B3),12(C1)
IORD#	3(D6),5(B5),6(A1),7(B1),8(A3),12(A1),
	15(B1),16(C1),18(C2)
IOWR#	3(D6),5(B5),6(A1),7(B1),8(A3),12(A1),
	15(B1),16(C1),18(C2)
IRDY#	2(C4),3(B8),5(C5),9(A2),13(C1),19(B1),
	19(A5)
IRQ8#	2(A4),3(B2)
IRQ0..15	3(B1),5(A1),6(C1),7(C1),8(B1),12(C1),
	13(C2),15(A7),16(A2)
IRQMDM	15(B1),18(C2)
IRSTDRV	2(C4),3(D6),5(C5),8(B3),12(C1),15(C1),
	16(C1),
IRTX	12(C5),15(B7)
IRRX	12(C5),15(B7)
LINEINL	16(B8),17(A5)
LINEINR	16(B8),17(B5)
LINEOUTL	16(C8),17(A1)
LINEOUTR	16(C8),17(A1)

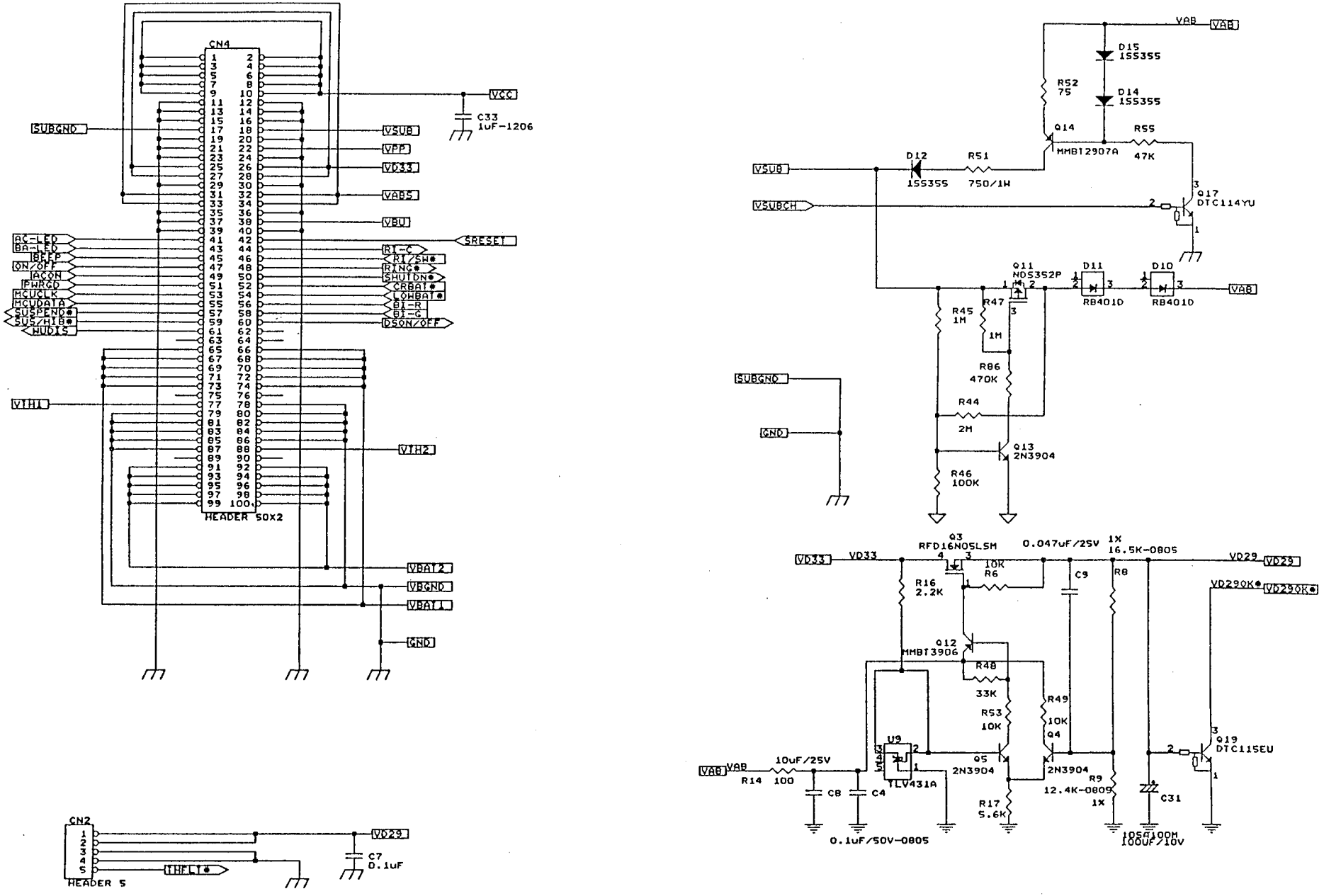
Signal	Location
LOCK#	2(B1),3(B8),5(C3),19(A5),19(B1)
LOWBAT#	2(B8),10(C4)
LP	9(D6),10(B1)
LU0..7	8(D5),9(A5)
LUMA	11(C5),19(A8)
MASTER#	3(D6),5(B3)
MCUCLK	2(B5),15(C2)
MCUDATA	2(B5),15(C2)
MDMMIC	17(C5),18(C7)
MDMPD	4(A4),18(B3)
MDMSPKR	17(D4),18(C7)
MEMCS16#	3(D6),5(B3)
MEMR#	3(D6),5(B5),5(D4),8(A3)
MEMW#	3(D6),5(B5),5(D4)
MGPIO0..2	15(B1),18(C2)
MIC-BIAS	17(C5),17(D5)
MICIN	16(C8),17(C5)
MICOUT	16(C8),17(C6)
MIDIIN	16(D5),19(B3)
MIDIOUT	16(D5),19(B3)
MPEGDT#	8(B4),15(B1)
MPEGINL	8(B1),17(A8)
MPEGINR	8(B3),17(B8)
MTR0#	7(A5),12(B6)
MUXIN	4(C8),5(B1)
MUXSEL0	4(C7),5(B1)
MUXSEL1	4(C7),5(B1)
MUXSEL2	4(C7),5(B1)
MVDD	2(A3),2(A8),8(C3),8(D2),8(C4),8(C7), 8(A4),9(C1),9(D4),11(C4)
NMI	2(C1),3(A2)
NUM	6(B5),7(C6)
NTSC/PAL#	9(D6),10(C7),11(B2)
OE#	8(C5),8(B5),8(B7),8(C7),9(B8)
ON/OFF#2	2(B5),3(C6),4(B6)
OP-VCC	16(A4),17(A3),17(A7),17(A8),17(B6), 17(C6),17(D7)
OSC14	3(D6),4(C5),10(C7)
OUT2	3(B8),17(D4)
OWS#	3(D7),5(C7),12(C1)
PA20M#	2(C1),3(A2)
PAR	2(C1),3(B8),5(C3),9(B2),13(C1),19(C3)
PCCSPKR	13(D1),17(D4)
PCICLK0	2(B4),3(C8),4(D1)
PCICLK3	3(B8),4(D5)
PCLK1	4(D5),9(A1)
PCLK2	4(D5),13(C1)
PCLK3	4(D5),19(A1),19(A6)
PCIRST#	5(C6),7(C1),9(A2),13(C2),19(C3)
PCSPKR	16(B7),17(D1)
PD0..7	12(A7),12(B6),12(D6),19(A1),19(C8), 19(C3),19(D4)
PDE	10(C3),11(A8)
PE	12(A6),12(A7),12(D7),19(D4)
PGP2	2(C5),3(C6),4(A7),7(B1)
PGP3	3(C6),4(A7),5(C4)
PHS	10(B4),11(A6)
PMC9	4(A4),9(D1)
PNL2..23	10(A4),10(B4),11(A6),11(A8)
PNLCLK	10(C4),11(A6)
PVS	10(B4),11(A6)
PWRGD	2(B4),2(C4),3(A2)
PWR-LATCH1	3(C6),4(A1)
RAS0#	8(C4),8(B5),9(B6)
RAS1#	8(B7),8(C7),9(B8)
RD	12(D7),19(B8)
RDATA#	7(A5),12(B6)
RED	9(D6),11(A1),11(C1)
REFRESH#	2(B4),3(D6)
REQ#0	3(C6),5(B7)
REQ#1	3(C6),5(B7)
REQ#2	3(C6),5(B7),19(A5),19(B1)
RI	12(D7),19(D4)
RI-C	2(D2)
RI-CARD#	2(D1),13(D1)
RI-COM#	2(D1),12(C5)
RI/SW#	2(B8),3(C6),4(A6)
RINGDET	2(B8),18(C7)
ROM/KBCS#	3(C6),5(D1),6(A1),8(A1)
RSTDRV#	5(B6),6(C1)
RSTMDM#	15(B1),18(C2)
RTCAS	2(C4),3(C6)
RTCRD#	2(C1),3(C6)
RTCWR#	2(C4),3(C6)
RTS	12(D7),19(D4)
SA0..17	3(C2),5(C5),5(C7),6(A1),7(B1),8(A1), 8(A3),8(B1),8(B3),12(B1),15(A1),16(A1), 16(C4),18(A2)
SBHE#	3(D6),8(A3),15(B1)
SCL	8(B1),11(D5),19(B3)
SCRL#	6(B5),7(C6)
SD	12(D7),19(B8)
SD0..15	3(C2),4(A2),4(A6),4(B6),5(C6),5(C7), 6(A1),7(A2),8(B1),8(B3),12(B1),15(A1), 16(A1),16(A4),16(B4),18(A2)
SDA	8(B1),11(B5),19(D5)
SERR#	2(C1),3(B8),5(C3),13(C1),19(A5),19(B1)
SHUTDN#	2(C4),2(B8)
SHUTDOWN	17(C1),17(D2)
SLCT	12(A6),12(D7),19(C8)
SLIN	12(A6),12(A7),12(D6),19(D4)
SMI#	2(C1),3(A2)
SMIACT#	2(C1),3(A2)
SND-AGND	7(B8),8(B1),16(A3),17(A7),17(A8),18(B6), 19(C1)
SND-AVCC	16(A3),16(A8),16(D3),16(D6)
SP-GND	16(D3),17(C4)
SP-PWR	16(D3),17(A4),17(C4)
SRESET#	2(B8),2(C4),15(A1),15(B1)
STB#	12(A6),12(A7),12(C6),19(D4)

Signal	Location
STEP#	7(A5),12(B6)
STOP#	2(B1),3(B8),5(C3),9(B2),13(C1),19(C8)
STPCLK#	2(C1),3(A2)
SUPDRST#	4(A4),19(D5)
SUSP	4(B1),16(B4)
SUSPEND	2(C1),2(C5),4(A1),4(A4),4(A7),7(C3), 8(B3),9(D2),9(C3),10(C3),12(C6),15(B8), 17(C1),18(B3)
SUSREQ#	3(D8),4(A6),6(B1)
SW0	9(A5),11(D4)
SW1	9(A5),11(D4)
SW2	9(A5),11(D4)
SYSCLK	3(C8),8(B3),15(B1)
TC	3(D6),8(B3),12(C1)
THFLT	2(C4),3(D3),4(A6)
TRDY	2(C4),3(B8),5(C5),9(A2),13(C1),19(C8)
TRKO#	7(A5),12(B6)
TVON	9(D5),10(C3),11(C3)
UNDOCKGNT	19(D5)
UNDOCKSMI	3(C1),5(C1),19(D5)
UV0..7	8(A1),8(A3),9(B1)
UMOUT2	3(C5),3(B7)
VABS	2(B7),11(D1),19(A3)
VACT	8(A3),9(A1)
VBU	5(A5),5(D7),7(D6),7(D7)
VCON	10(B8),11(B6)
VD33	3(A4),5(B6),8(A1),8(A4),8(C5),10(D1), 19(C1)
VGA14M	4(C5),9(D2)
VGA32K	3(A2),5(A8),9(D2)
VMA0..8	8(A7),9(B7)
VMD0..31	8(A5),8(D1),9(A7),9(C6)
VPP	5(D4),14(A1),14(C1),19(A4)
VRTC	2(C1),5(A4)
VSYNC	9(D6),11(B1)
VSI	8(A1),9(A1)
VCC-MAIN	16(D1),18(A6)
WDATA	7(A5),12(B6)
WE	8(C4),8(B5),8(B7),8(C7),9(B6)
WGATE	7(A5),12(B6)
WP#	7(A5),12(B6)
WUDIS	2(C5),3(D8)
XAXIS-A	16(D8),19(B3)
XAXIS-B	16(D8),19(B3)
XPD0	12(A6),12(C7)
XPD1	12(A6),12(B7)
XPD2	12(A6),12(B7)
XPD3	12(A6),12(B7)
XPD4	12(A6),12(B7)
XPD5	12(A6),12(B7)
XPD6	12(A6),12(B7)
XPD7	12(A6),12(B7)
XSTB#	12(A5),12(C7)

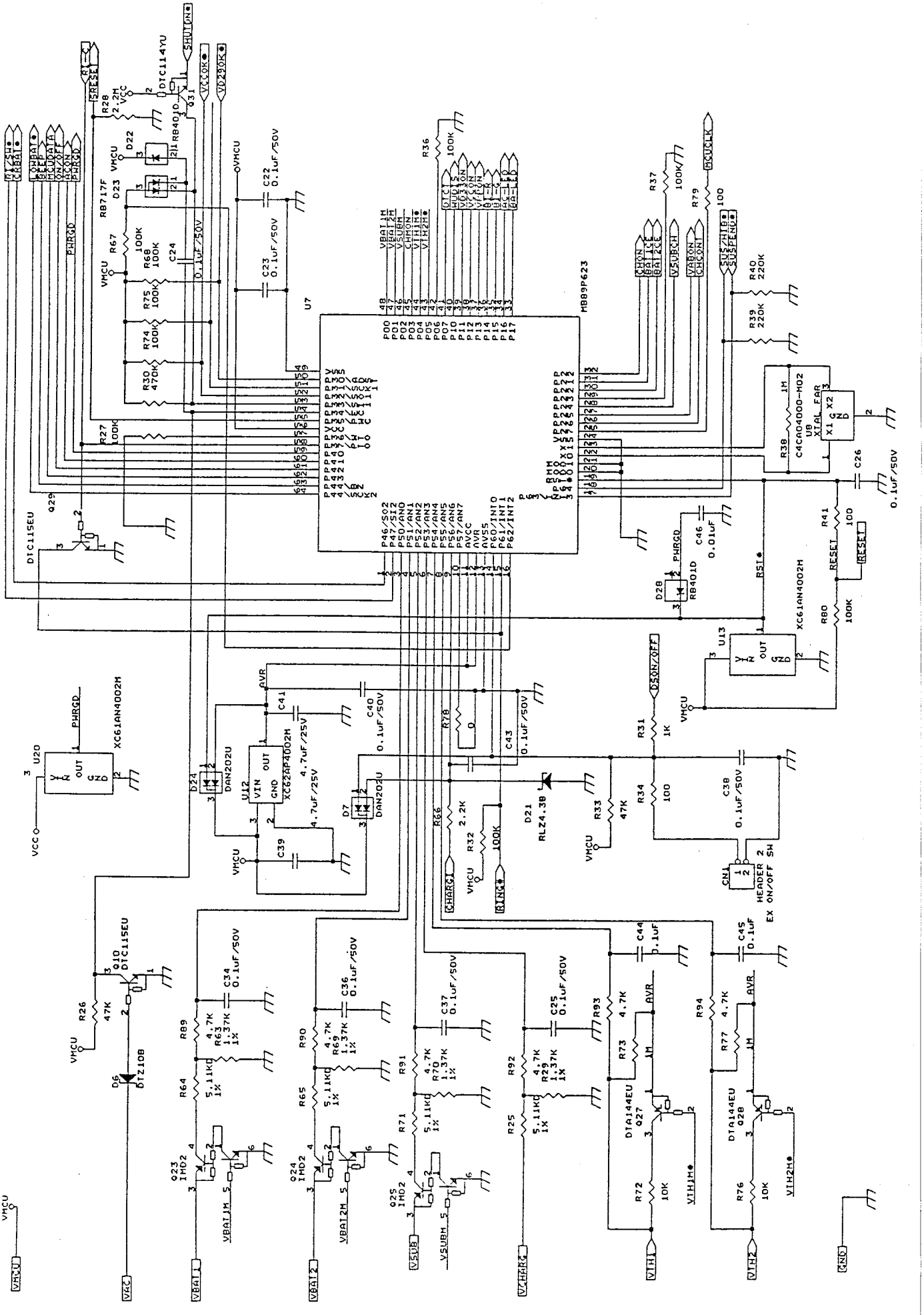
Signal	Location
XACK#	12(A5),12(B7)
XBUSY	12(A5),12(B7)
XPE	12(A5),12(B7)
XSLCT	12(A5),12(B7)
XSLIN#	12(A5),12(B7)
XINIT#	12(A5),12(B7)
XERR#	12(A5),12(B7)
XAFD#	12(A5),12(C7)
XRESET#	16(D4),16(A5)
Y0..7	8(C6),8(D6),8(A1),8(A3)
YAXIS-A	16(D8),19(B3)
YAXIS-B	16(D8),19(B3)
ZVPCLK	8(A1)
ZVPCTL	8(B1),9(A1),9(C1)
5VLCD	10(D4),11(B6),11(B8),11(D7)
32K	2(C4),5(A8)

DC-DC PWB CHARG(AVSA1) 1/3



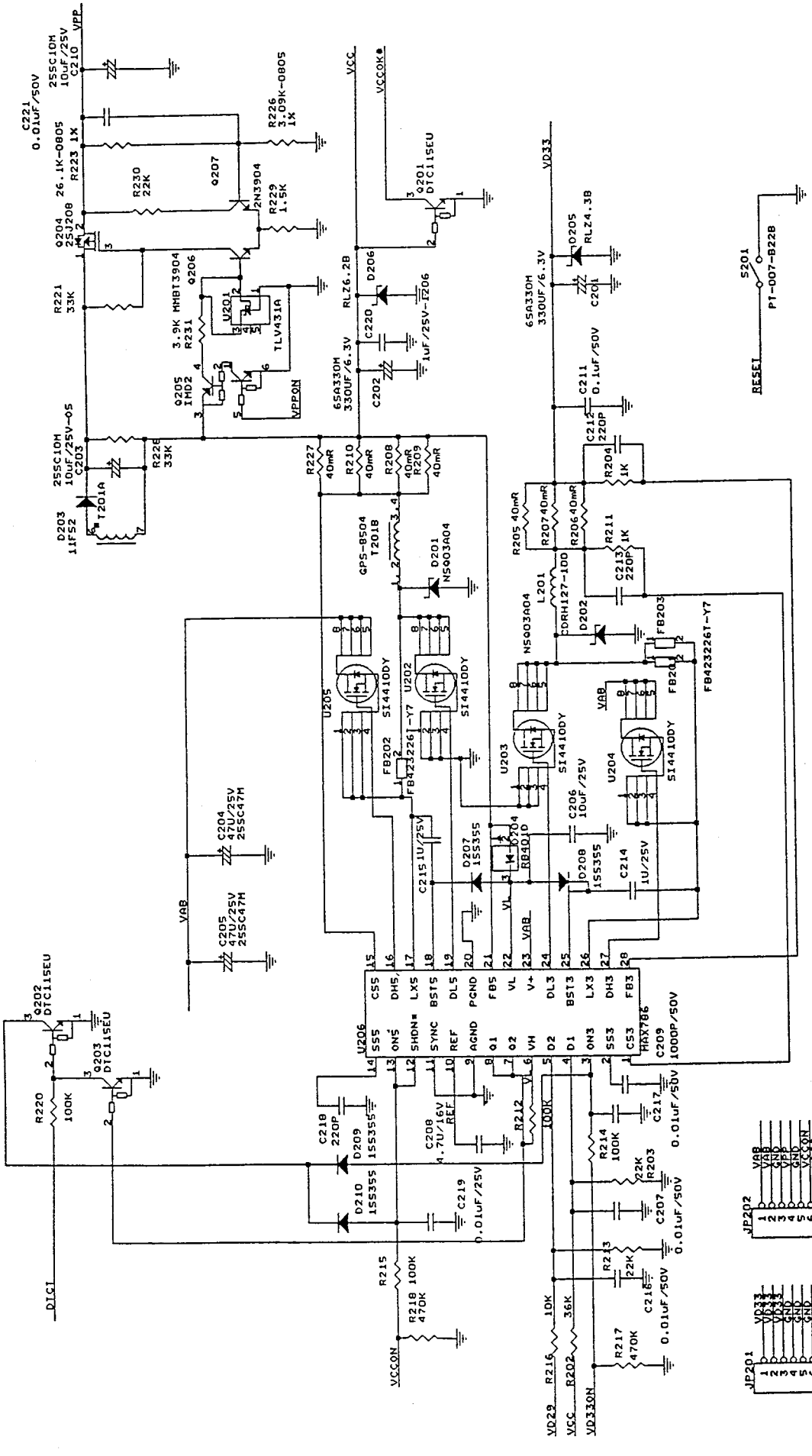

CN4
SUBGND
VCC
C33
1uF-1206
VSUB
VPP
VD33
VABS
VBU
SRESET
AC-LED
BA-LED
BEEP
ON/OFF
ACON
PWRGD
MCUCLK
MCUDATA
SUSPEND*
SUS/HIB*
WUDIS
RI-C
RI/SH*
RING*
SHUTDN*
CRBAT*
LOWBAT*
BI-R
BI-G
DSON/OFF
VIH1
VIH2
VBAT2
VBGND
VBAT1
GND
HEADER 50X2
CN2
VD29
C7
0.1uF
THFLT*
HEADER 5
VAB
D15
1SS355
D14
1SS355
R52
75
Q14
MMBT2907A
R55
47K
D12
1SS355
R51
750/1W
Q17
DTC114YU
Q11
NDS352P
D11
RB401D
D10
RB401D
R45
1M
R47
1M
R86
470K
R44
2M
Q13
2N3904
R46
100K
Q3
RFD16N05LSM
0.047uF/25V
1%
16.5K-0805
R16
2.2K
10K
R6
C9
R8
VD29
VD290K*
Q12
MMBT3906
R48
33K
R53
10K
R49
10K
Q4
2N3904
Q5
2N3904
U9
TLV431A
10uF/25V
R14
100
C8
C4
0.1uF/50V-0805
R17
5.6K
R9
12.4K-0805
1%
C31
105C100M
100UF/10V
Q19
DTC115EU

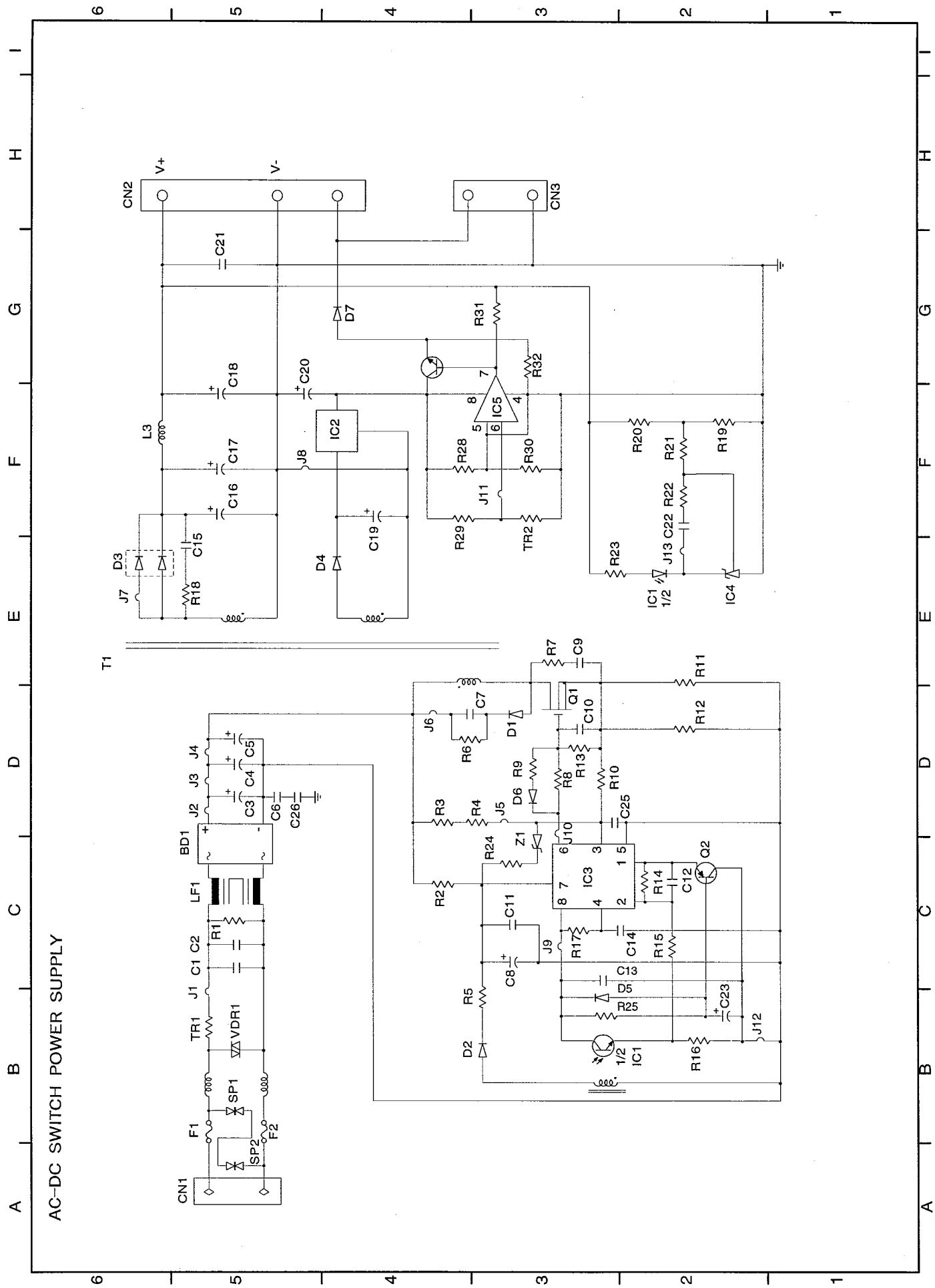
DC-DC PWB MCU(AVSA3) 3/3



DC-DC PWB OUTPUT REGULATOR(AVSB)

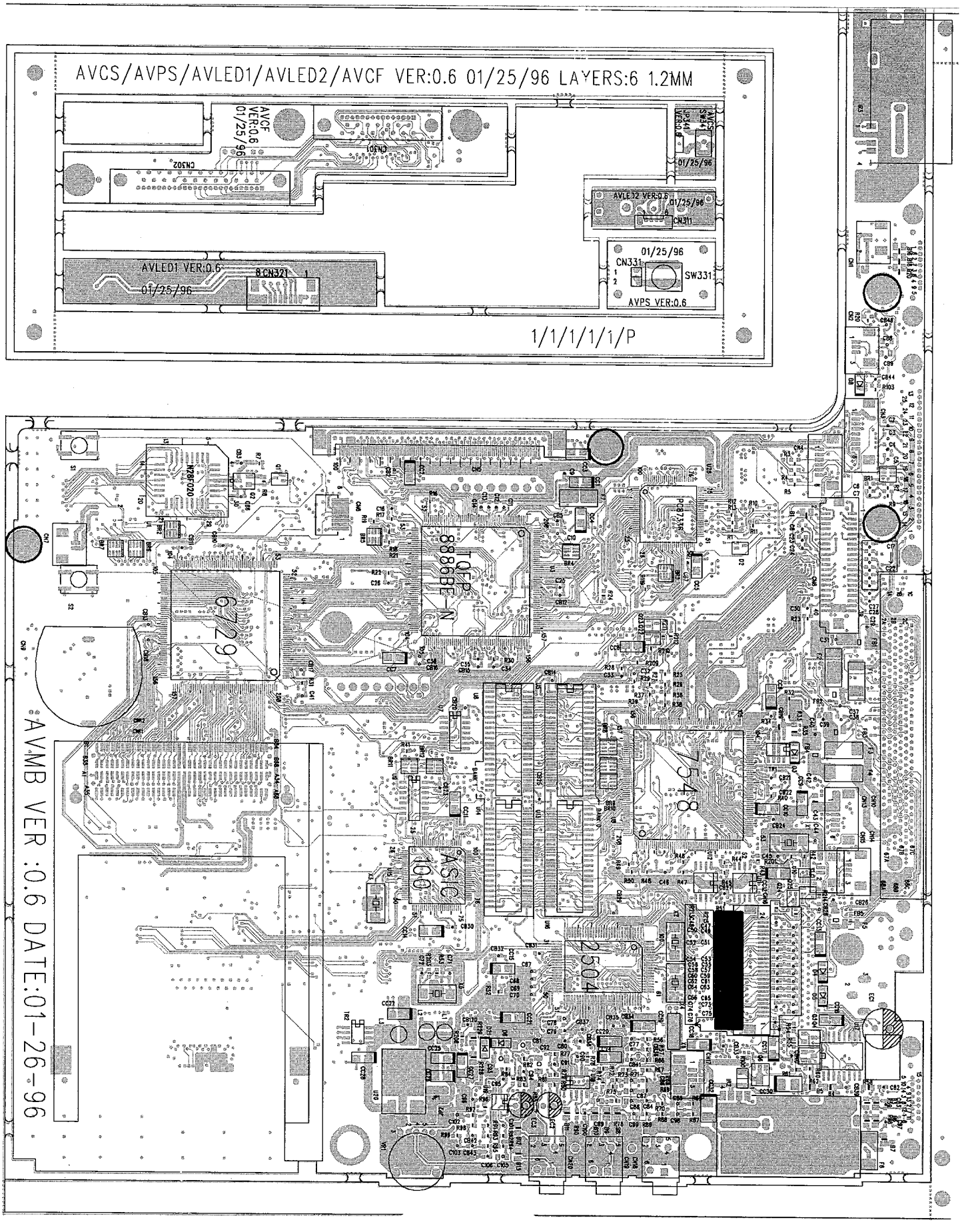
1/1



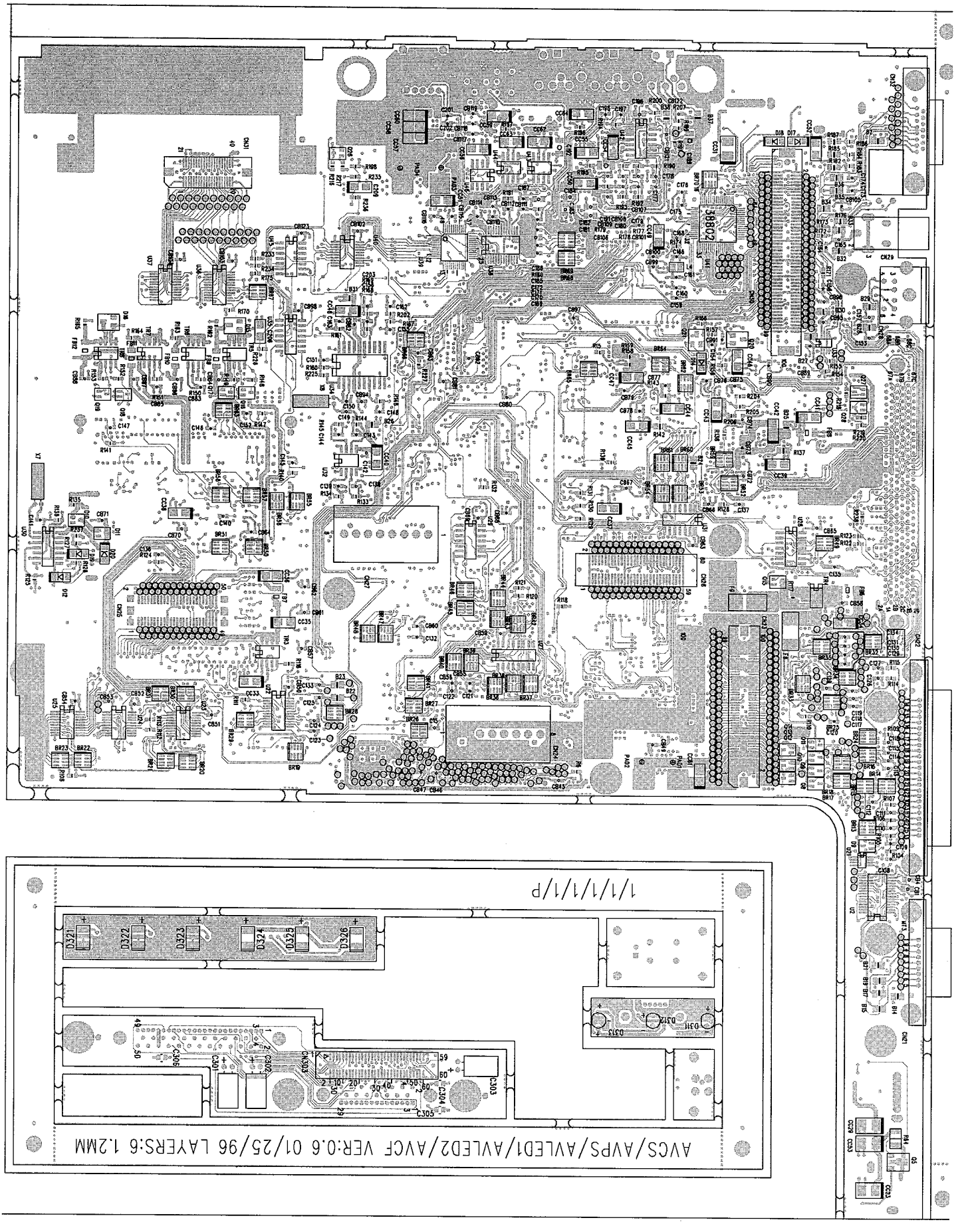

AC-DC SWITCH POWER SUPPLY
CN1
CN2
CN3
V+
V-
F1
F2
SP1
SP2
VDR1
TR1
LF1
BD1
T1
IC1
IC2
IC3
IC4
IC5
Q1
Q2
TR2
D1
D2
D3
D4
D5
D6
D7
Z1
C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13
C14
C15
C16
C17
C18
C19
C20
C21
C22
C23
C25
C26
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
R20
R21
R22
R23
R24
R25
R28
R29
R30
R31
R32
L3
J1
J2
J3
J4
J5
J6
J7
J8
J9
J10
J11
J12
J13

● PARTS LAYOUT

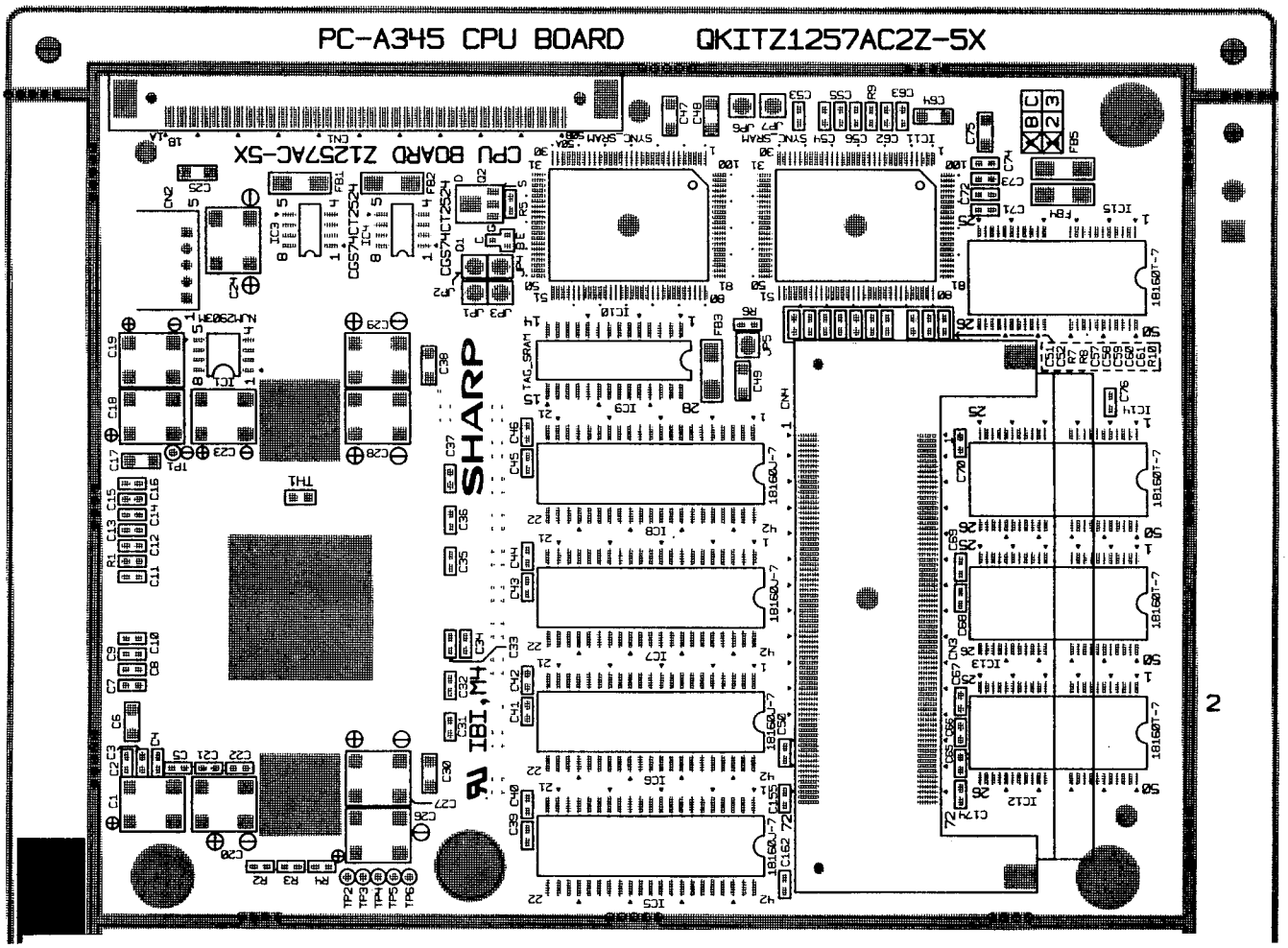
MAIN PWB TOP SIDE



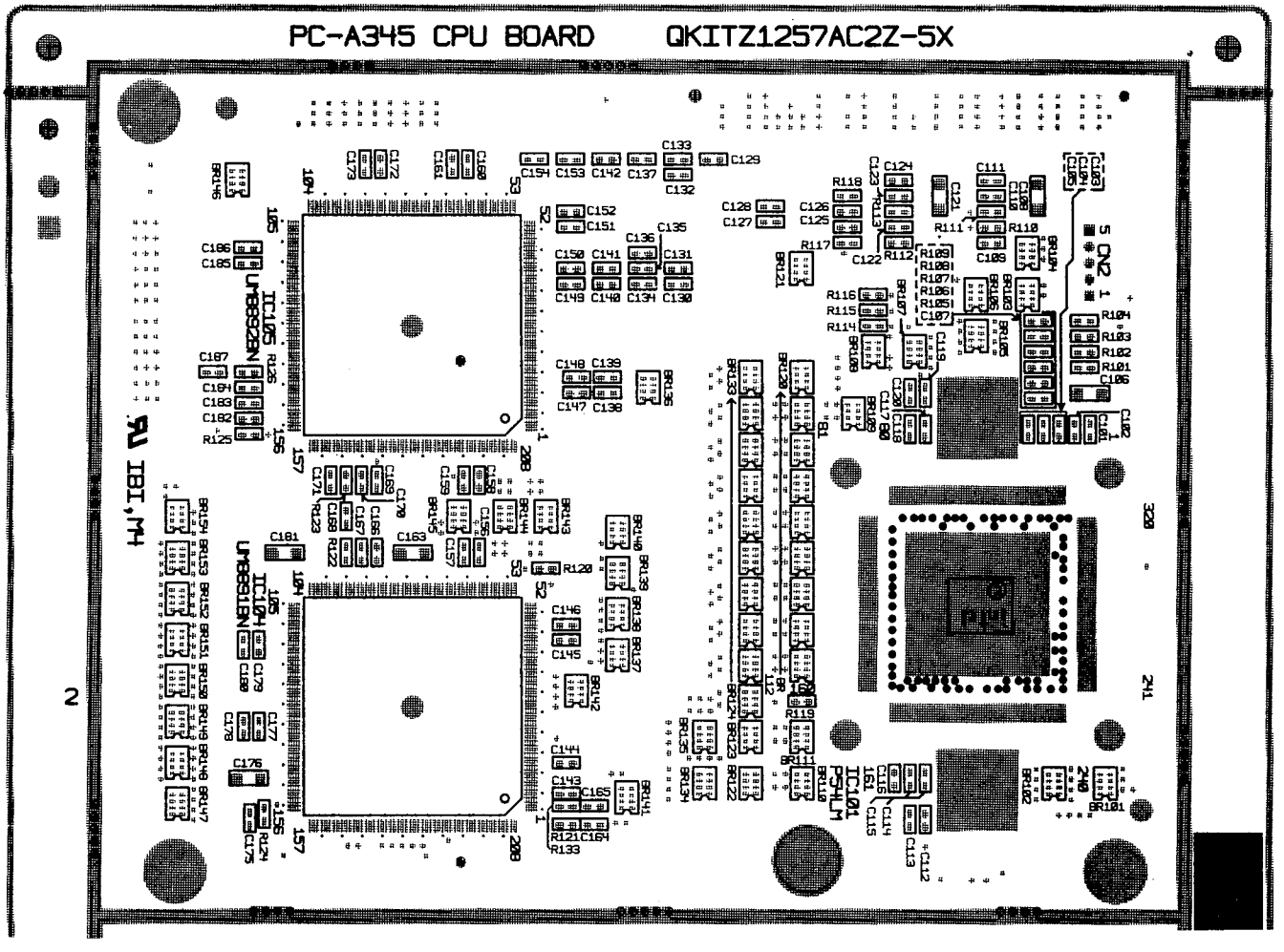
MAIN PWB BOTTOM SIDE



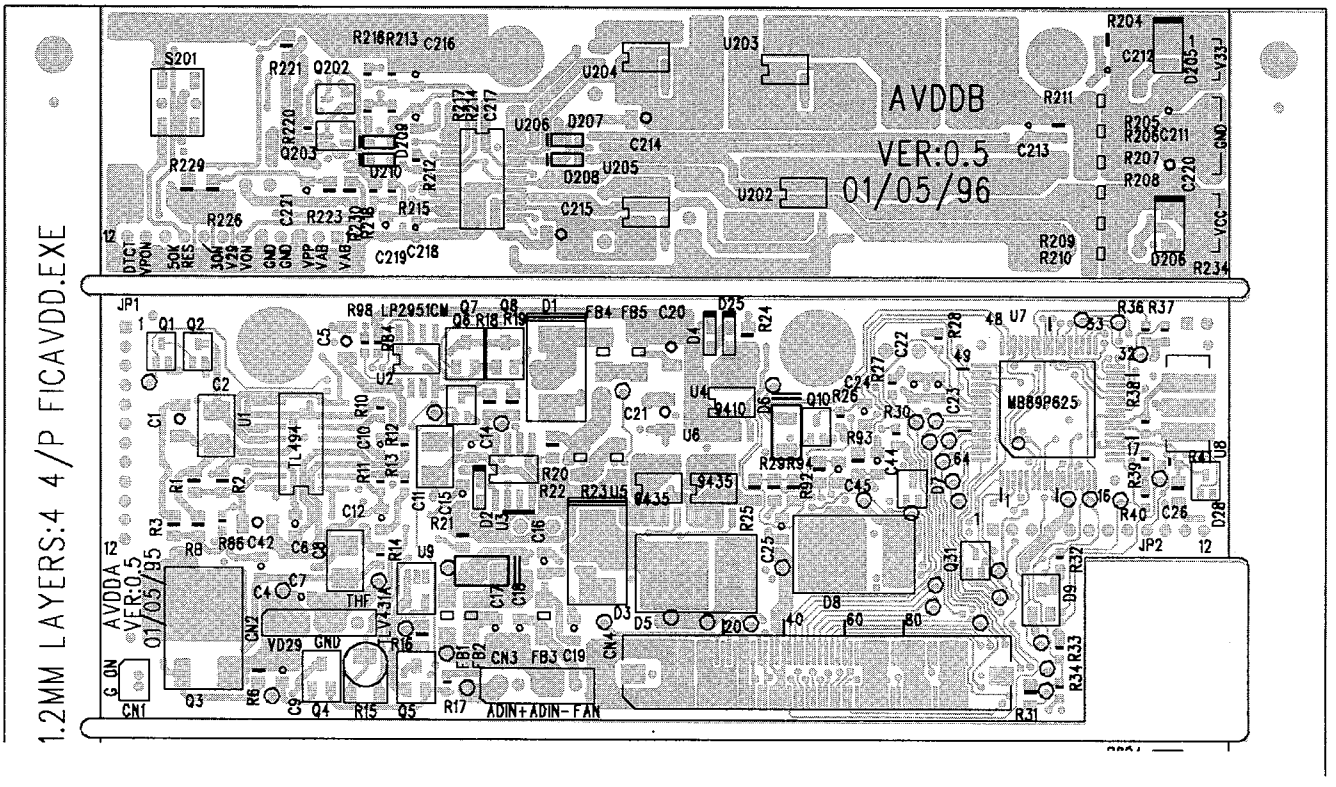
CPU PWB TOP SIDE



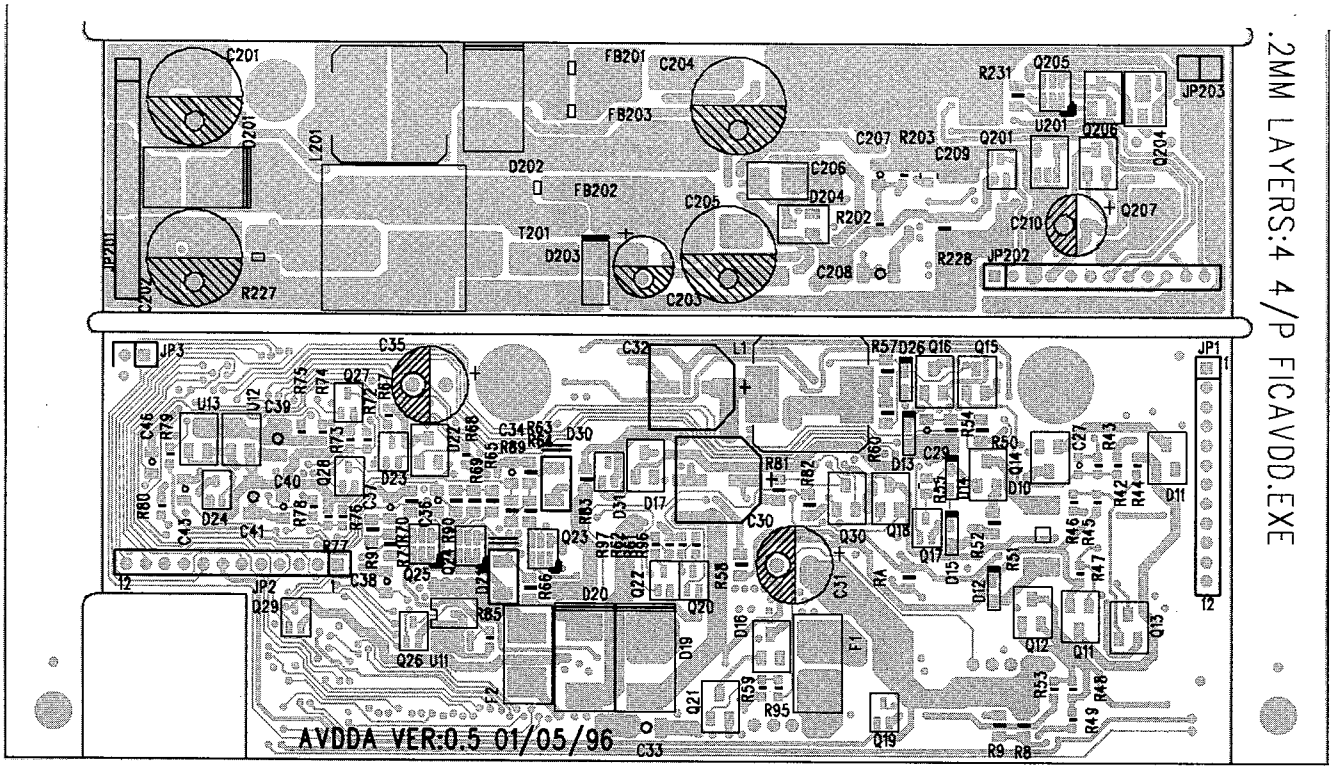
CPU PWB BOTTOM SIDE



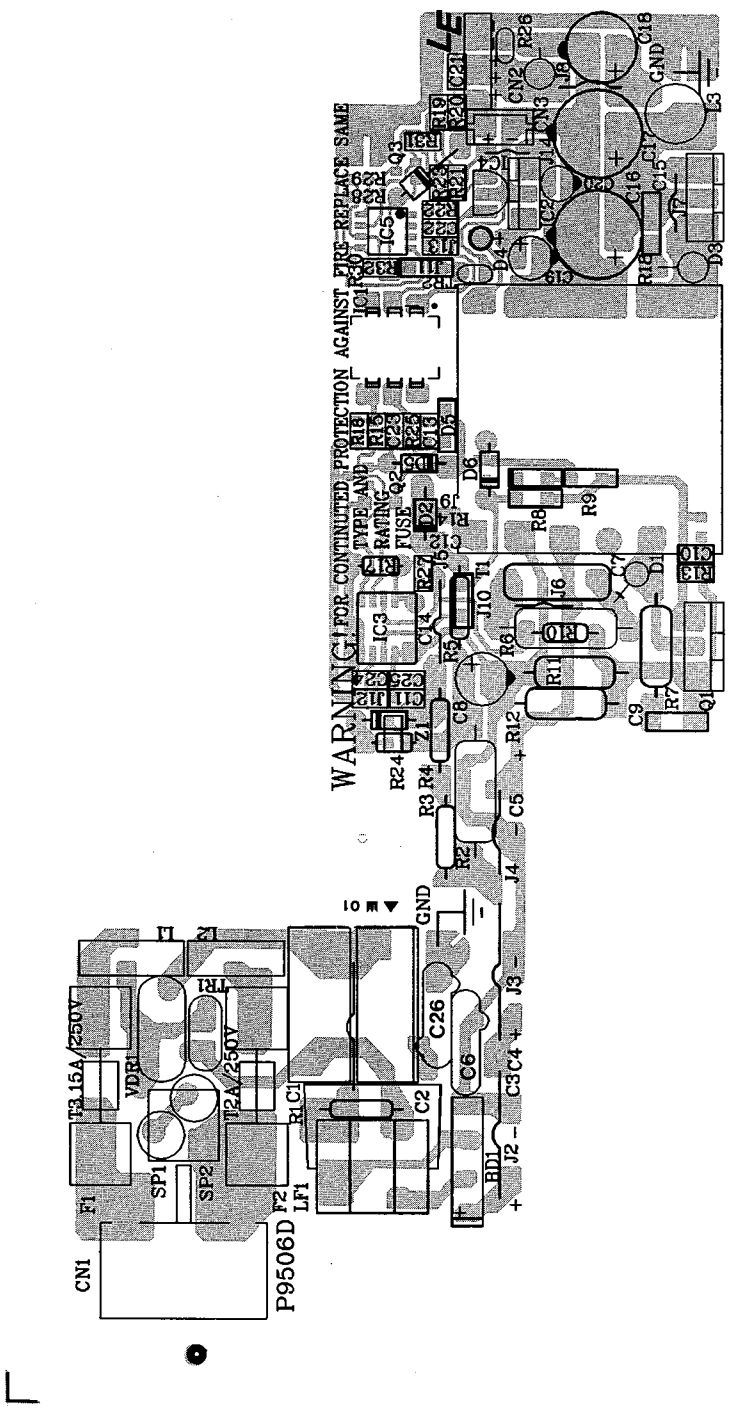
DC-DC PWB TOP SIDE



DC-DC PWB BOTTOM SIDE

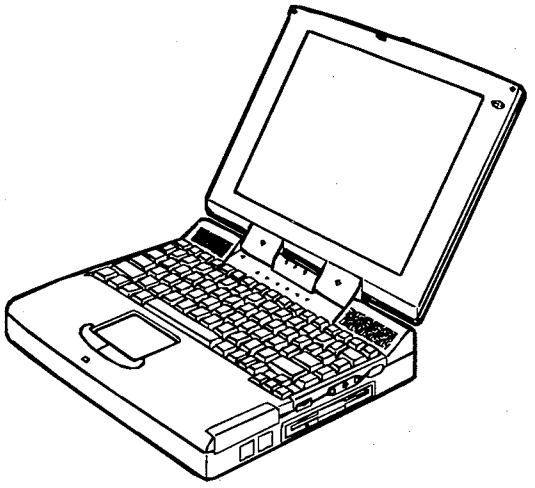


AC－DC SWITCH POWER SUPPLY



SHARP PARTS GUIDE

CODE: 00ZPC9070PG/E



PERSONAL COMPUTER

MODEL PC-9040 PC-9070

CONTENTS

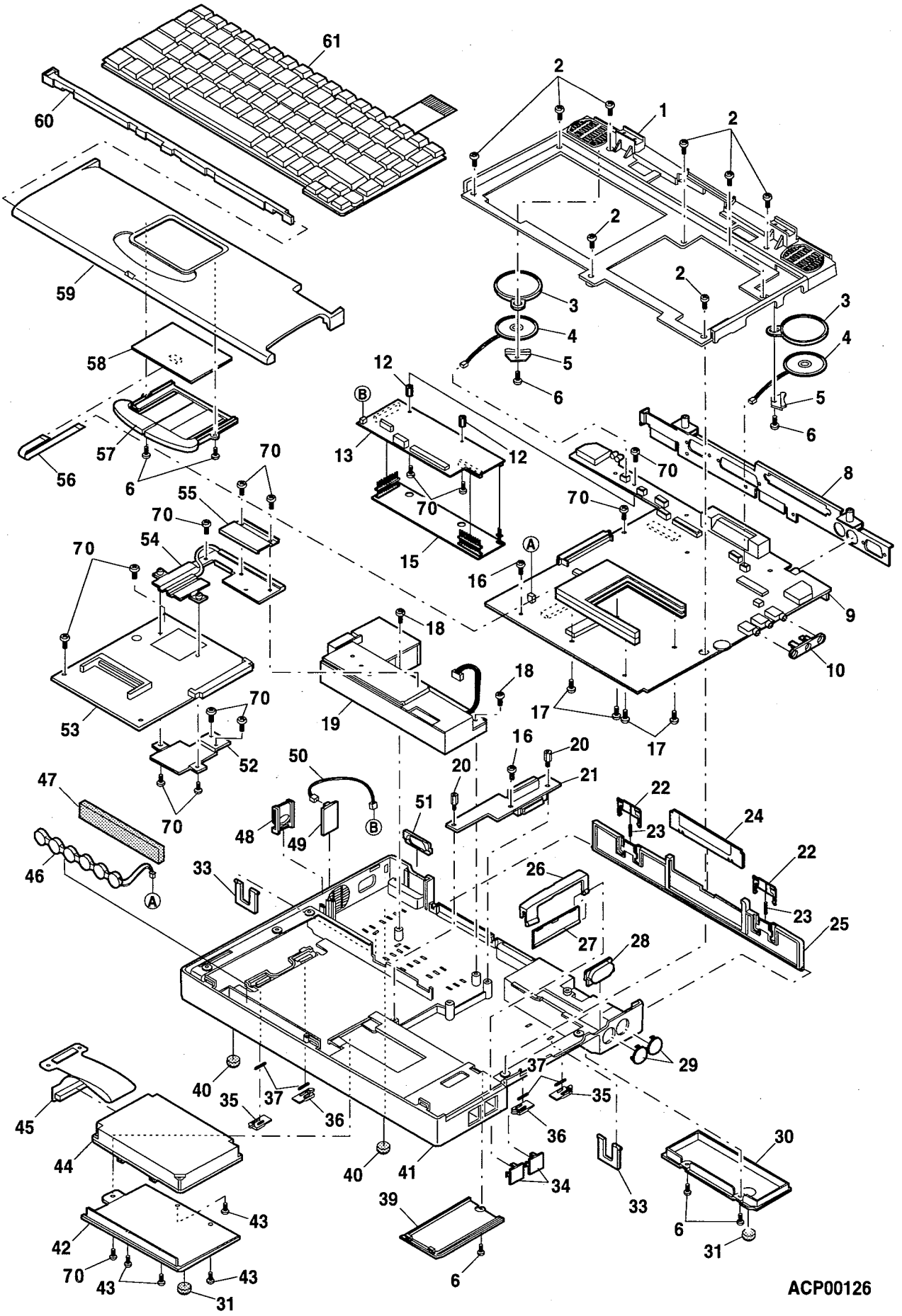
Because parts marked with "⚠" is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specific to the product specification.

SHARP CORPORATION

1 Cabinet etc.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0LA-244062400	BE	N	C	Top cover
2	0LA-241007500	AA		C	Screw (M2.6 5 0.45+6P-BNI)
3	0LA-248051000	AE	N	C	Rubber speaker
4	0LA-212006101	BA	N	B	Speaker+Cable
5			N	C	Speaker bracket
6	0LA-241008200	AA		C	Screw (M2 5 0.4+4B-BNI)
8	0LA-245015700	AT	N	C	I/O bracket
9	0LA-517012200	DL	N	E	Mother board unit
10	0LA-244064700	AG	N	C	Audio cover
12	0LA-241018500	AD	N	C	HEX Bolt (5W 7L M2.6)
13	0LA-517012100	BX	N	E	DC/DC-A PWB unit
15	0LA-517013700	BS	N	E	DC/DC-B PWB unit
16	0LA-241007500	AA		C	Screw (M2.6 5 0.45+6P-BNI)
17	0LA-241008100	AA		C	Screw (M2 5 0.4+12.5P-NI)
18	XBBSC26P06000	AA		C	Screw (M2.6 5 0.45+6B-NI NYLOK)
19	0LA-120012600	BY	N	C	P-TRANS ADPT (LE-9506A)
20	0LA-241018400	AE	N	C	HEX Bolt (5W 8L M2.6)
21	0LA-517011900	BN	N	E	Relay PWB unit
22	0LA-244040250	AF	N	C	Latch button
23	0LA-248020000	AB		C	Latch spring
24	0LA-244064100	AG	N	C	Docking door
25	0LA-244064000	AQ	N	C	I/O door
26	0LA-244063600	AG	N	C	PCMCIA door (B)
27	0LA-244063500	AG	N	C	PCMCIA door (A)
28	0LA-244064800	AE	N	C	IR lens
29	0LA-244064500	AF	N	C	MPEG connector cover
30	0LA-244063800	AL	N	C	MPEG cover
31	0LA-248052300	AC	N	C	Rubber foot
33	0LA-244040050	AG	N	C	Foot stand
34	0LA-244064600	AF	N	C	Fax modem connector cover
35	0LA-244069900	AG	N	C	FDD/CD-ROM/BATT Latch button A
36	0LA-244070000	AG	N	C	FDD/CD-ROM/BATT Latch button B
37	0LA-248056600	AC	N	C	Spring (FDD/BATT/CD-ROM latch)
39	0LA-244063900	AL	N	C	Fax modem cover
40	0LA-244040050	AG	N	C	Foot stand
41	0LA-244062500	BH	N	C	Bottom cover
42	0LA-244063300	AQ	N	C	HDD cover
43	0LA-241008000	AA		C	Screw (M3 5 0.5+4F-BNI)
44	DUNTK3303ACZZ	CU	N	E	HDD unit
45	0LA-222020900	BG	N	C	HDD 44pin FPC
46	0LA-219022500	BB	N	B	Battery (3V CR2032)
47	0LA-248051200	AE	N	C	Sponge
48	0LA-244064200	AG	N	C	Power SW button
49	0LA-517013900	AF	N	E	Power SW PWB unit
50	0LA-222022600	AG	N	C	Power SW cable
51	0LA-244064810	AE	N	C	IR lens
52	DUNTM3193ACZZ	AK	N	C	Heat sink-B
53	CPWBZ1257AC04	DX	N	E	CPU PWB unit (PC9040)
	CPWBZ1257AC05	EQ	N	E	CPU PWB unit (PC9070)
54	DUNTM3192ACZZ	BA	N	C	Heat sink-A
55	DUNTM3196ACZZ	AM	N	C	Heat sink-C
56	0LA-222021300	AN	N	C	Glide pad 8pin FPC
57	0LA-244064900	AM	N	C	Glide pad button
58	0LA-712008702	BN	N	E	Glide point
59	0LA-244063400	BB	N	C	Palm rest
60	0LA-244065500	AL	N	C	Palm rest lock lever
61	0LA-713030802	BN	N	E	Key board unit
70	0LA-241014300	AB		C	Screw (M2.6 5 0.45+4P-BNI)

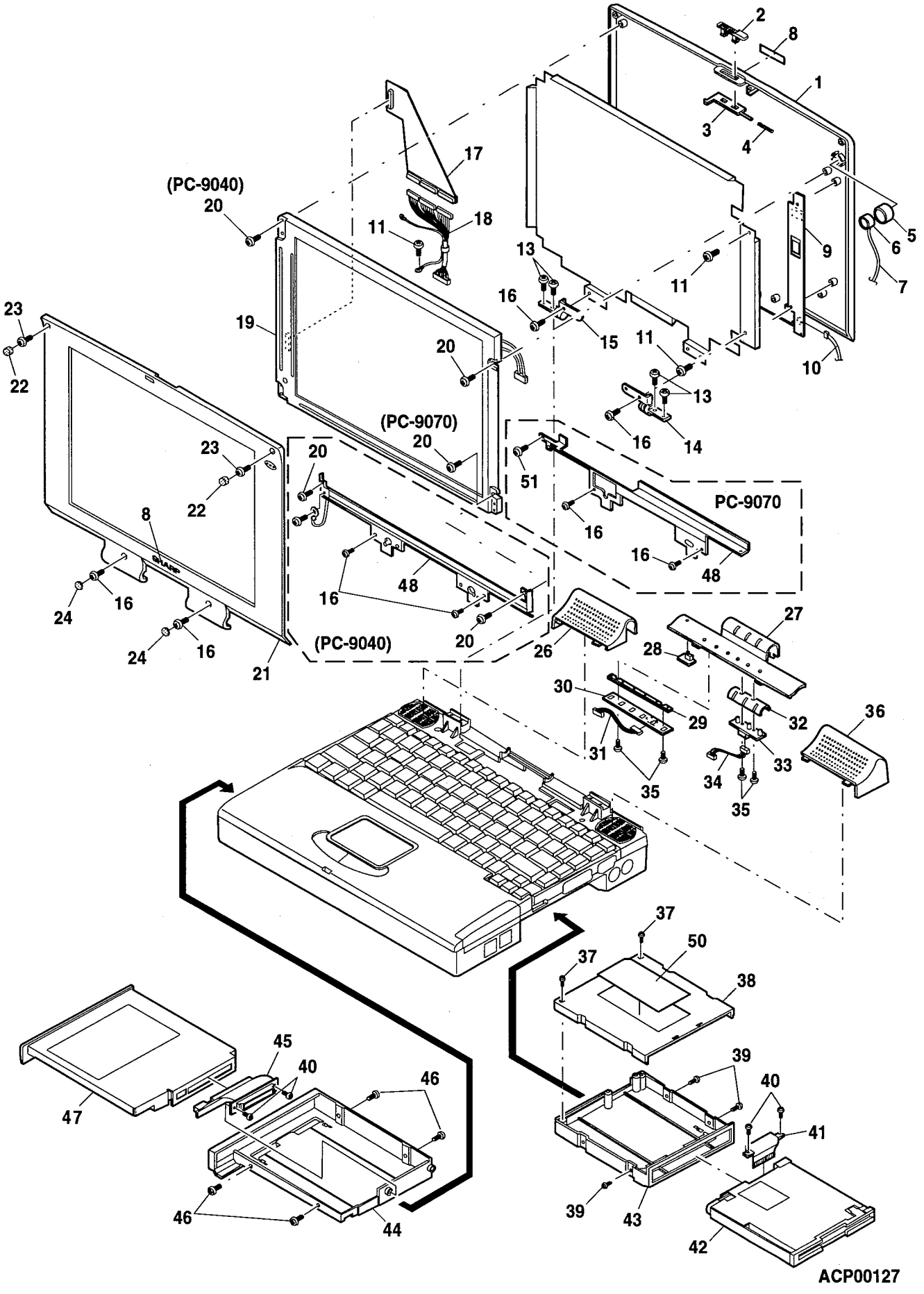
1 Cabinet etc.



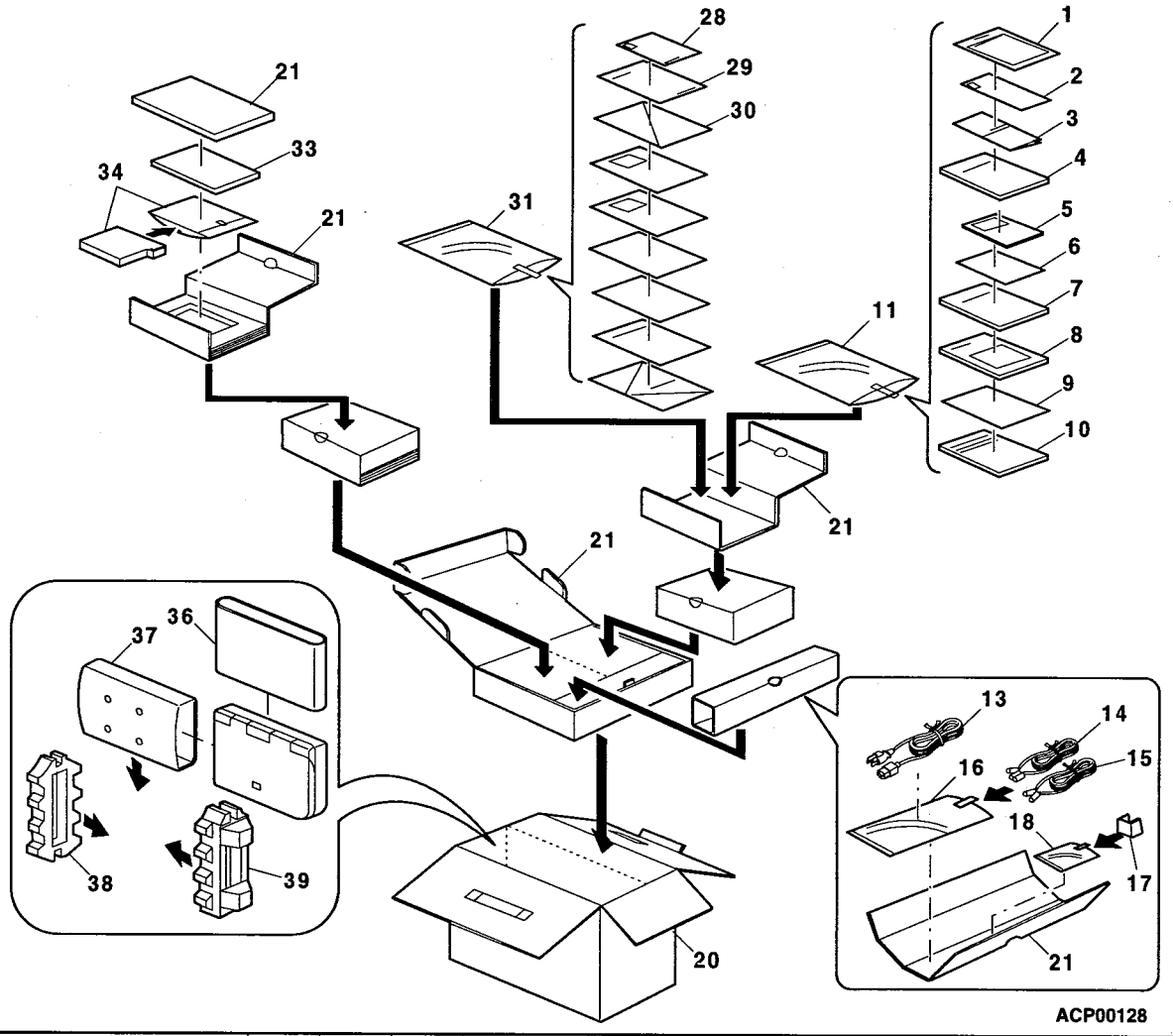
2 LCD Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1			N	C	LCD rear cabinet	(PC9040)
				C	LCD rear cabinet	(PC9070)
2	0LA-244064400	AG	N	C	LCD hook's button	
3	0LA-244064300	AG	N	C	LCD hook	
4	0LA-248050800	AC	N	C	Spring (LCD latch)	
5	0LA-248051100	AC	N	C	Rubber microphone	
6	0LA-212001702	AL	N	B	Microphone	
7	0LA-222022200	AL	N	C	MIC cable	
8	HBDGB1011ACZZ	AG	N	D	Sharp badge	
9	0LA-120012800	BH	N	E	Inverter unit	
10	0LA-222022001	AL	N	C	Inverter to M/B cable	
11	XBBSC26P04000	AA		C	Screw (2.6 5 4)	
13	0LA-241014401	AB		C	Screw (M2.6 5 0.45+8P-NINYLOK)	
14	0LA-248050700	AU	N	C	Hinge (R) TFT	
15	0LA-248050600	AU	N	C	Hinge (L) TFT	
16	XBBSC26P06000	AA		C	Screw (M2.6 5 0.45+6B-NI NYLOK)	
17	0LA-222024200	BG	N	C	LCD 40pin FPC	(PC9040)
			N	C	LCD 40pin FPC	(PC9070)
18	0LA-222021911	BA	N	C	LCD to M/B cable	
19	VVLLQ11S30/-1	EQ		E	LCD unit	(PC9040)
	VVLLQ12S02/-1	EP		E	LCD unit	(PC9070)
20	LX-BZ1007LCZB	AB		C	Screw (M3 5 0.5+6I-NI)	
21			N	C	LCD front case	(PC9040)
			N	C	LCD Front Case	(PC9070)
22	PGUMZ1015ACZZ	AP	N	C	Rubber pad	
23	XBBSC20P08000	AA		C	Screw (M2 5 0.4+5B-NI)	(PC9040)
	0LA-241007500	AA		C	Screw (M2.6 5 0.45+6P-BNI)	(PC9070)
24	PCŌVP1003ACZZ	AP	N	C	Sheet	
26	0LA-244065000	AM	N	C	Hinge cover (L)	
27	0LA-244065200	AU	N	C	LED cover	
28	0LA-517014000	AL	N	E	Cover SW PWB unit	
29	0LA-244065400	AF	N	C	LED lens (B)	
30	0LA-517013801	AQ	N	E	LED1 PWB unit	
31	0LA-222022400	AN	N	C	LED/B1 cable	
32	0LA-244065300	AF	N	C	LED lens (A)	
33	0LA-517012000	AN	N	E	LED2 PWB unit	
34	0LA-222022500	AL	N	C	LED/B2 cable	
35	0LA-241008600	AA		C	Screw (TPP-2.0+4B-NI)	
36	0LA-244065100	AM	N	C	Hinge cover (R)	
37	0LA-241014700	AB		C	Screw (M2.0 5 0.4+8P-NI)	
38	0LA-244063100	AR	N	C	FDD top cover	
39	0LA-241019400	AC	N	C	Screw (M2.5 5 0.45+4P-NI)	
40	0LA-241008200	AA		C	Screw (M2 5 0.4+4B-BNI)	
41	0LA-222021000	BA	N	C	FDD 26pin FPC	
42	0LA-231009301	BW	N	E	FDD unit	
43	0LA-244063200	AT	N	C	FDD low cover	
44	0LA-244063000	AU	N	C	CD-ROM housing	
45	0LA-222021200	BE	N	C	CD-ROM 52pin FPC	
46	0LA-241018600	AC	N	C	Screw (M2.0 5 0.4+3I-NI)	
47	DUNTK3191ACZZ	CF	N	E	CD-ROM unit	
48	0LA-245017800	AP	N	C	Dumper Sub Angle	
50	0LA-254079200	AE	N	C	FDD MODULE label	
51	0LA-241020600	AC	N	C	Screw (M3 5 0.5+7I-MC)	(PC9070)

2 LCD Unit



3 Packing Material & Accessories



ACP00128

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1			N	D	Warranty sheet
2	0LA-251044100	AG	N	D	Service information pack
3				D	Service brochure
4			N	D	Operation manual
5			N	D	Import/Export manual
6			N	D	Supplement
7			N	D	Power panel user's guide
8			N	D	Windows 95
9	0LA-254085700	AD	N	D	Netscape end user license Agreement
10				D	Netscape Navigator
11			N	D	Vinly bag
⚠ 13			N	B	AC cable
14	0LA-221022000	AQ	N	C	Audio cable
15	0LA-221022300	AL	N	C	Video cable
16				D	Vinly bag
17	0LA-244063700	AH	N	D	CD-ROM dummy cover
18	0LA-252050900	AC		D	Vinly bag
20	0LA-252073500	AS	N	D	Packing Case
21	0LA-252073400	AL	N	D	Packing add ass'y for accessories
28	0LA-251043600	AD	N	D	Registration card
29	0LA-251044000	AD	N	D	Puma up grade service
30	0LA-251043900	AF		D	Tranxit quick reference card
31			N	D	Vinly bag
33				D	Battery cushion B
34	DUNTK3190ACZZ	CE	N	E	Battery unit
36	0LA-252050800	AG		D	Protect paper
37	0LA-252012101	AD		D	Vinly bag
38	0LA-252073200	AP	N	D	Packing add L
39	0LA-252073300	AP	N	D	Packing add R

4 Mother board Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	0LA-219014001	AD		C	FER-Bead (100M 120Ω SMT0805 N2012Z121TO)	[B1-B38]
2	0LA-112015200	AC	N	B	RP (33Ω 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR1]
3	0LA-112016500	AC	N	B	RP (4.7KΩ 5% SMT MNR14 1/16W 8P4R)	[BR2]
4	0LA-112014900	AC	N	B	RP (1K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR3]
5	0LA-112018400	AC	N	B	RP (0Ω 5% SMT MNR14 1/16W 8P4R 0.8mm)	[BR4]
6	0LA-112014700	AC	N	B	RP (10K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR5]
7	0LA-112015100	AC	N	B	RP (22Ω 5% SMD V8V 1/16W 0.8mm 8P4R)	[BR6-BR10]
8	0LA-112018400	AC	N	B	RP (0Ω 5% SMT MNR14 1/16W 8P4R 0.8mm)	[BR11]
9	0LA-112016500	AC	N	B	RP (4.7KΩ 5% SMT MNR14 1/16W 8P4R)	[BR13]
10	0LA-112015200	AC	N	B	RP (33Ω 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR14]
11	0LA-112014900	AC	N	B	RP (1K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR15-BR18]
12	0LA-112014700	AC	N	B	RP (10K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR19]
13	0LA-112017200	AC	N	B	RP (22KΩ 5% SMD 1/16W 8P4R 0.8mm)	[BR20-BR23]
14	0LA-112016500	AC	N	B	RP (4.7KΩ 5% SMT MNR14 1/16W 8P4R)	[BR24]
15	0LA-112015100	AC	N	B	RP (22Ω 5% SMD V8V 1/16W 0.8mm 8P4R)	[BR25]
16	0LA-112016300	AC	N	B	RP (100KΩ 5% SMT MNR14 1/16W 8P4R)	[BR26-BR27]
17	0LA-112014700	AC	N	B	RP (10K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR28]
18	0LA-112015100	AC	N	B	RP (22Ω 5% SMD V8V 1/16W 0.8mm 8P4R)	[BR29-BR35]
19	0LA-112018400	AC	N	B	RP (0Ω 5% SMT MNR14 1/16W 8P4R 0.8mm)	[BR36]
20	0LA-112015100	AC	N	B	RP (22Ω 5% SMD V8V 1/16W 0.8mm 8P4R)	[BR37]
21	0LA-112014700	AC	N	B	RP (10K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR39]
22	0LA-112016300	AC	N	B	RP (100KΩ 5% SMT MNR14 1/16W 8P4R)	[BR41]
23	0LA-112014700	AC	N	B	RP (10K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR42]
24	0LA-112018400	AC	N	B	RP (0Ω 5% SMT MNR14 1/16W 8P4R 0.8mm)	[BR43]
25	0LA-112015300	AC	N	B	RP (330Ω 5% SMD V8V 1/16W 0.8mm 8P4R)	[BR45]
26	0LA-112014700	AC	N	B	RP (10K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR46]
27	0LA-112017800	AC	N	B	RP (1.5KΩ 5% SMT MNR14 1/16W 8P4R 0.8mm)	[BR47-BR48]
28	0LA-112016300	AC	N	B	RP (100KΩ 5% SMT MNR14 1/16W 8P4R)	[BR49-BR51]
29	0LA-112014700	AC	N	B	RP (10K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR55]
30	0LA-112014700	AC	N	B	RP (10K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR56]
31	0LA-112016300	AC	N	B	RP (100KΩ 5% SMT MNR14 1/16W 8P4R)	[BR57]
32	0LA-112016300	AC	N	B	RP (100KΩ 5% SMT MNR14 1/16W 8P4R)	[BR58]
33	0LA-112018400	AC	N	B	RP (0Ω 5% SMT MNR14 1/16W 8P4R 0.8mm)	[BR59-BR61]
34	0LA-112018001	AC	N	B	RP (47KΩ 5% SMT 1/16W 8P4R 0.8mm)	[BR62]
35	0LA-112016300	AC	N	B	RP (100KΩ 5% SMT MNR14 1/16W 8P4R)	[BR63]
36	0LA-112018001	AC	N	B	RP (47KΩ 5% SMT 1/16W 8P4R 0.8mm)	[BR64]
37	0LA-112015100	AC	N	B	RP (22Ω 5% SMD V8V 1/16W 0.8mm 8P4R)	[BR65]
38	0LA-112016300	AC	N	B	RP (100KΩ 5% SMT MNR14 1/16W 8P4R)	[BR66]
39	0LA-112016300	AC	N	B	RP (100KΩ 5% SMT MNR14 1/16W 8P4R)	[BR67]
40	0LA-112014900	AC	N	B	RP (1K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR68]
41	0LA-112015000	AC	N	B	RP (2.2K 5% SMT MNR14 1/16W 8P4R 0.8mm)	[BR69]
42	0LA-112014700	AC	N	B	RP (10K 5% SMD V8V 1/16W 8P4R 0.8mm)	[BR70]
43	0LA-105027200	AC	N	C	MO-Capacitor (470pF 50V 5% SMD0603 NPO)	[C2-C7]
44	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C8]
45	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C9]
46	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C10]
47	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C11-C24]
48	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C25]
49	0LA-105028200	AC	N	C	MO-Capacitor (15pF 50V 5% SMT0603 NPO)	[C26]
50	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C27-C31]
51	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C32-C33]
52	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C34]
53	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C35-C36]
54	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C37-C40]
55	0LA-105028200	AC	N	C	MO-Capacitor (15pF 50V 5% SMT0603 NPO)	[C41]
56	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C42]
57	0LA-105014300	AB	N	C	MO-Capacitor (0.1μF 50V +80% -20%)	[C43]
58	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C44]
59	0LA-105025600	AB		C	MO-Capacitor (27pF 50V 5%)	[C45]
60	0LA-105028200	AC	N	C	MO-Capacitor (15pF 50V 5% SMT0603 NPO)	[C46]
61	0LA-105022200	AC	N	C	MO-Capacitor (100pF 50V 5% SMT0603 NPO)	[C47-C66]
62	0LA-105022900	AB		C	MO-Capacitor (0.01μF 25V +80% -20%)	[C67-C70]
63	0LA-105032100	AC	N	C	MO-Capacitor (7pF 5% SMD 0603 NPO ROHM)	[C71-C72]
64	0LA-105022200	AC	N	C	MO-Capacitor (100pF 50V 5% SMT0603 NPO)	[C73-C76]
65	0LA-105022900	AB		C	MO-Capacitor (0.01μF 25V +80% -20%)	[C77]
66	0LA-105027800	AC		C	MO-Capacitor (0.33μF 50V 80-20% SMT0805)	[C78]
67	0LA-105027200	AC	N	C	MO-Capacitor (470pF 50V 5% SMD0603 NPO)	[C79-C80]
68	0LA-105020601	AD		C	MO-Capacitor (1μF 25V +80% -20% SMT 1206 Y5V AV)	[C81]
69	0LA-105022300	AB		C	MO-Capacitor (220pF 50V 5%)	[C82-C83]
70	0LA-105025901	AC	N	C	MO-Capacitor (68pF 50V 5% SMD0603 NPO ROHM)	[C84]
71	0LA-105027800	AC		C	MO-Capacitor (0.33μF 50V 80-20% SMT0805)	[C85-C89]
72	0LA-105022300	AB		C	MO-Capacitor (220pF 50V 5%)	[C90]
73	0LA-105028300	AC	N	C	MO-Capacitor (680pF 50V 5% SMT0603 NPO)	[C91]
74	0LA-105020601	AD		C	MO-Capacitor (1μF 25V +80% -20% SMT 1206 Y5V AV)	[C92-C93]
75	0LA-105028300	AC	N	C	MO-Capacitor (680pF 50V 5% SMT0603 NPO)	[C94]
76	0LA-105027200	AC	N	C	MO-Capacitor (470pF 50V 5% SMD0603 NPO)	[C95]
77	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C96]
78	0LA-105022300	AB		C	MO-Capacitor (220pF 50V 5%)	[C97]
79	0LA-105027800	AC		C	MO-Capacitor (0.33μF 50V 80-20% SMT0805)	[C98]
80	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C99-C100]

4 Mother board Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
81	0LA-105027200	AC	N	C	MO-Capacitor (470pF 50V 5% SMD0603 NPO)	[C101]
82	0LA-105027800	AC		C	MO-Capacitor (0.33µF 50V 80-20% SMT0805)	[C102]
83	0LA-105022900	AB		C	MO-Capacitor (0.01µF 25V +80% -20%)	[C103]
84	0LA-105027800	AC		C	MO-Capacitor (0.33µF 50V 80-20% SMT0805)	[C105]
85	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C106]
86	0LA-105027200	AC	N	C	MO-Capacitor (470pF 50V 5% SMD0603 NPO)	[C108-C116]
87	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C117-C120]
88	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C121]
89	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C122]
90	0LA-105022100	AB		C	MO-Capacitor (47pF 50V 5%)	[C123-C125]
91	0LA-105027200	AC	N	C	MO-Capacitor (470pF 50V 5% SMD0603 NPO)	[C126-C127]
92	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C128-C131]
93	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C132]
94	0LA-105022100	AB		C	MO-Capacitor (47pF 50V 5%)	[C133]
95	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C134-C135]
96	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C136]
97	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C137-C139]
98	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C140]
99	0LA-105021900	AB		C	MO-Capacitor (10pF 50V 5%)	[C141]
100	0LA-105022900	AB		C	MO-Capacitor (0.01µF 25V +80% -20%)	[C142]
101	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C143-C144]
102	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C145-C147]
103	0LA-105022000	AB		C	MO-Capacitor (20pF 50V 5%)	[C148-C150]
104	0LA-105022100	AB		C	MO-Capacitor (47pF 50V 5%)	[C151]
105	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C152]
106	0LA-105022100	AB		C	MO-Capacitor (47pF 50V 5%)	[C153]
107	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C154]
108	0LA-105030500	AC	N	C	MO-Capacitor (12pF 50V 5% SMT0603 NPO)	[C155]
109	0LA-105022100	AB		C	MO-Capacitor (47pF 50V 5%)	[C156-C157]
110	0LA-105029800	AC		C	MO-Capacitor (33pF 50V 5% SMD0603 NPO)	[C158]
111	0LA-105030500	AC	N	C	MO-Capacitor (12pF 50V 5% SMT0603 NPO)	[C159]
112	0LA-105028200	AC	N	C	MO-Capacitor (15pF 50V 5% SMT0603 NPO)	[C160]
113	0LA-105028300	AC	N	C	MO-Capacitor (680pF 50V 5% SMT0603 NPO)	[C161]
114	0LA-105030500	AC	N	C	MO-Capacitor (12pF 50V 5% SMT0603 NPO)	[C162]
115	0LA-105028200	AC	N	C	MO-Capacitor (15pF 50V 5% SMT0603 NPO)	[C163]
116	0LA-105022100	AB		C	MO-Capacitor (47pF 50V 5%)	[C164-C165]
117	0LA-105030700	AC	N	C	MO-Capacitor (5pF 50V ±0.25pF SMT0603 NPO)	[C166]
118	0LA-105030700	AC	N	C	MO-Capacitor (5pF 50V ±0.25pF SMT0603 NPO)	[C168]
119	0LA-105022900	AB		C	MO-Capacitor (0.01µF 25V +80% -20%)	[C169-C170]
120	0LA-105023200	AC	N	C	MO-capacitor (0.01µF 50V 10% SMT0805 X7R)	[C171]
121	0LA-105022900	AB		C	MO-Capacitor (0.01µF 25V +80% -20%)	[C172]
122	0LA-105022602	AC	N	C	MO-Capacitor (1000pF 50V 10% SMT0603 X7R MURATA)	[C173-C174]
123	0LA-105021900	AB		C	MO-Capacitor (10pF 50V 5%)	[C175-C176]
124	0LA-105027800	AC		C	MO-Capacitor (0.33µF 50V 80-20% SMT0805)	[C177]
125	0LA-105022300	AB		C	MO-Capacitor (220pF 50V 5%)	[C178]
126	0LA-105022900	AB		C	MO-Capacitor (0.01µF 25V +80% -20%)	[C179-C180]
127	0LA-105027800	AC		C	MO-Capacitor (0.33µF 50V 80-20% SMT0805)	[C181-C184]
128	0LA-105028300	AC	N	C	MO-Capacitor (680pF 50V 5% SMT0603 NPO)	[C185]
129	0LA-105027800	AC		C	MO-Capacitor (0.33µF 50V 80-20% SMT0805)	[C186]
130	0LA-105028300	AC	N	C	MO-Capacitor (680pF 50V 5% SMT0603 NPO)	[C187]
131	0LA-105020601	AD		C	MO-Capacitor (1µF 25V +80% -20% SMT 1206 Y5V AV)	[C189]
132	0LA-105020601	AD		C	MO-Capacitor (1µF 25V +80% -20% SMT 1206 Y5V AV)	[C191-C192]
133	0LA-105027800	AC		C	MO-Capacitor (0.33µF 50V 80-20% SMT0805)	[C196]
134	0LA-105025901	AC	N	C	MO-Capacitor (68pF 50V 5% SMD0603 NPO ROHM)	[C197]
135	0LA-105027800	AC		C	MO-Capacitor (0.33µF 50V 80-20% SMT0805)	[C198]
136	0LA-105030200	AD	N	C	MO-capacitor (1µF 25V 20% SMT0805 Y5V)	[C201-C202]
137	0LA-105022100	AB		C	MO-Capacitor (47pF 50V 5%)	[C203]
138	0LA-105020601	AD		C	MO-Capacitor (1µF 25V +80% -20% SMT 1206 Y5V AV)	[C206]
139	0LA-105030200	AD	N	C	MO-capacitor (1µF 25V 20% SMT0805 Y5V)	[CB1]
140	0LA-105023100	AC		C	MO-Capacitor (0.1µF 16V +80% -20%)	[CB2-CB3]
141	0LA-105030200	AD	N	C	MO-capacitor (1µF 25V 20% SMT0805 Y5V)	[CB4]
142	0LA-105023100	AC		C	MO-Capacitor (0.1µF 16V +80% -20%)	[CB5-CB7]
143	0LA-105030200	AD	N	C	MO-capacitor (1µF 25V 20% SMT0805 Y5V)	[CB8-CB9]
144	0LA-105023100	AC		C	MO-Capacitor (0.1µF 16V +80% -20%)	[CB10-CB119]
145	0LA-105023100	AC		C	MO-Capacitor (0.1µF 16V +80% -20%)	[CB121-CB123]
146	RC-CZ1061RC1A	AF	N	C	MO-Capacitor (10µF 10V +80-20% SMT1206 Y5V TAI)	[CC1-CC22]
147	RC-CZ1061RC1A	AF	N	C	MO-Capacitor (10µF 10V +80-20% SMT1206 Y5V TAI)	[CC24-CC28]
148	RC-CZ1061RC1A	AF	N	C	MO-Capacitor (10µF 10V +80-20% SMT1206 Y5V TAI)	[CC30-CC52]
149	RC-CZ1061RC1A	AF	N	C	MO-Capacitor (10µF 10V +80-20% SMT1206 Y5V TAI)	[CC54-CC64]
150	0LA-202013500	AG		C	Connector (WAFER 2pin 180l-ï SMT 53398-0290 M)	[CN1]
151	0LA-202020900	AG	N	C	Connector (SMD 3pin 1.25mm 53398-0390 MOL)	[CN2]
152	0LA-202037700	AL	N	C	Connector (WAFER-M 8P 180° SMT 53398-0890 MOL)	[CN3]
153	0LA-202013400	AL		C	Connector (WAFER 6pin 180l-ï SMT 53398-0690 M)	[CN4]
154	0LA-202037600	AY	N	C	Connector (B-TO-B-M 100P SMT 90° 87BM-100R KE)	[CN5]
155	0LA-202030100	AF		C	Connector (RIB 8P 1.0mm 90l-ï SMT-1.0SP)	[CN6]
156	0LA-202013500	AG		C	Connector (WAFER 2pin 180l-ï SMT 53398-0290 M)	[CN7]
157	0LA-202037100	AQ		C	Connector (SMD 40P F 1.25 DF13-400P-1.25V HRS)	[CN8]
158	0LA-201008207	AG	N	C	SCKT BAT. holder (2P 20mm GS-2032-2 GTM)	[CN9]
159	0LA-202041900	BD		C	Connector (DOCKING-F 204P DIP 3210B-204SE1-SG H)	[CN10]
160	0LA-202028100	AY	N	C	Connector (PCMCIA-F 136P SMT KDA391088 APPROS)	[CN11]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
161	0LA-202028103	BD	N	C	Connector (PCMCIA-M 136P PCS3-DT1-LL-A APPROS)	[CN11]
162	0LA-202013400	AL		C	Connector (WAFER 6pin 180I-i SMT 53398-0690 M)	[CN13]
163	0LA-202013500	AG		C	Connector (WAFER 2pin 180I-i SMT 53398-0290 M)	[CN15]
164	0LA-202037800	AN	N	C	Connector (SMD 24P 1mm 52271-2490 MOLEX)	[CN16]
165	0LA-202029900	AL	N	C	Connector (WAFER-M 3P 1.25 90° 53261-0390)	[CN17]
166	0LA-202014900	AH		C	Connector (P-J-F 5pin MOJ-B27B HORNG)	[CN18~CN20]
167	0LA-202036800	AL		C	Connector (D-M 9pin DIP 7530P-09G2-03 SUYIN)	[CN21]
168	0LA-202036600	AN		C	Connector (D-SUB DIP 25pin 7533S-25G2T-02)	[CN22]
169	0LA-202038200	AZ	N	C	Connector (SMD 100P 0.65mm 53481-1009 MOL)	[CN23]
170	0LA-202042000	AU		C	Connector (BAT SPRING 8P DIP 89393-0002 MOL)	[CN24]
171	0LA-202038500	AW	N	C	Connector (SMD 50P 0.8mm 5-179397-0 AMP)	[CN25]
172	0LA-202041500	AU		C	Connector (SMD 60P 0.8mm 177983-2 AMP)	[CN26]
173	0LA-202042000	AU		C	Connector (BAT SPRING 8P DIP 89393-0002 MOL)	[CN27]
174	0LA-202021101	AG	N	C	Connector (DIP 6pin MINI-DIN PS/2 SINGATON)	[CN28]
175	0LA-202037900	AE	N	C	Connector (P-J-F 2P DIP PJ-001 SINGATRON)	[CN29]
176	0LA-202038400	AY	N	C	Connector (D-F SMD 100P 0.8mm 52777-1009 MOL)	[CN30]
177	0LA-202038100	AS	N	C	Connector (SMT 40P 180° 52760-0409 MOL)	[CN31]
178	0LA-202036101	AN	N	C	Connector (D-SUB DIP 15pin 7513S-15G2 SUYIN)	[CN32]
179	0LA-061012301	AE	N	B	Diode (STKY RB451F 100mA UMT SMT ROHM)	[D2]
180	0LA-061001009	AC		B	Diode (1N4148 SMT LL-34)	[D3~D6]
181	0LA-061001009	AC		B	Diode (1N4148 SMT LL-34)	[D8]
182	0LA-061012301	AE	N	B	Diode (STKY RB451F 100mA UMT SMT ROHM)	[D9~D11]
183	0LA-061001009	AC		B	Diode (1N4148 SMT LL-34)	[D12]
184	0LA-061001009	AC		B	Diode (1N4148 SMT LL-34)	[D14]
185	0LA-061012201	AF	N	B	Diode (STKY MA721 200mA SMT TO-236 PAN)	[D15~D16]
186	0LA-061001009	AC		B	Diode (1N4148 SMT LL-34)	[D17]
187	0LA-061001009	AC		B	Diode (1N4148 SMT LL-34)	[D18]
188	0LA-061001009	AC		B	Diode (1N4148 SMT LL-34)	[D19~D21]
189	0LA-103047801	AN	N	C	E-Capacitor (100μF 10V 20% SA8 5 10.5 SANYO)	[EC1]
190	0LA-103049000	AL	N	C	E-Capacitor (33μF 10V 20% 6.3 5 5mm 10SL33M SANYO)	[EC2~EC3]
⚠ 191	0LA-211001015	AK	N	A	Fuse (1A 125V TAPING SFT-1 BUSSMAN)	[F1]
⚠ 192	0LA-211032000	AK	N	A	Fuse (2A 125V TAPING SMD BUSSMAN)	[F3]
⚠ 193	0LA-211031900	AK	N	A	Fuse (4A 125V TAPING SMD BUSSMAN)	[F4]
⚠ 194	0LA-211003701	AF	N	A	Fuse (0.4A 72V SMT CCP2E10K KOA)	[F5]
⚠ 195	0LA-211001015	AK	N	A	Fuse (1A 125V TAPING SFT-1 BUSSMAN)	[F6]
⚠ 196	0LA-211022500	AK	N	A	Fuse (7A 125V TAPING BUSSMAN)	[F7]
⚠ 197	0LA-211032100	AK	N	A	Fuse (1.5A 125V TAPING BUSSMAN)	[F8]
⚠ 198	0LA-211022500	AK	N	A	Fuse (7A 125V TAPING BUSSMAN)	[F9]
199	0LA-219020400	AF	N	C	FER-Bead (100MHz 45Ω SMT1206 BLM41P02 M)	[FB1]
200	0LA-219019401	AE	N	C	FER-Bead (100MHz 80Ω SMT2006 BLM41A01 M)	[FB2]
201	0LA-219020400	AF	N	C	FER-Bead (100MHz 45Ω SMT1206 BLM41P02 M)	[FB3~FB4]
202	0LA-219019401	AE	N	C	FER-Bead (100MHz 80Ω SMT2006 BLM41A01 M)	[FB5~FB6]
203	0LA-219020400	AF	N	C	FER-Bead (100MHz 45Ω SMT1206 BLM41P02 M)	[FB7]
204	0LA-219019401	AE	N	C	FER-Bead (100MHz 80Ω SMT2006 BLM41A01 M)	[FB8~FB9]
205	0LA-219020400	AF	N	C	FER-Bead (100MHz 45Ω SMT1206 BLM41P02 M)	[FB10~FB11]
206	0LA-219019401	AE	N	C	FER-Bead (100MHz 80Ω SMT2006 BLM41A01 M)	[FB12]
207	RUNT-1001YCZZ	BE		B	IR Transceniver (RY5DD01A)	[IR2]
208	0LA-120013900	AH	N	C	Choke (SMT 2P LPC4045TE470K 47μH)	[L1]
209	0LA-111081000	AC	N	C	Resistor (0Ω 5% 1/2W CF SMT 1810 ROHM)	[L2]
210	0LA-120013100	AH	N	C	Choke (SMT 2P LPC4045TE101K)	[L3]
211	0LA-219033400	AF	N	C	FER-Bead (10M 3.9μH SMT0805 LQG21N3R9K0)	[L4]
212	0LA-062010501	AC	N	B	Transistor (NPN DTC114EU UMT 50V 50mA SMT ROHM)	[Q1]
213	0LA-062009601	AF		B	Transistor (M-FET-P NDS0605 60V 0.18A SOT23 NS)	[Q2]
214	0LA-062005100	AE	N	B	Transistor (M-FET-N 2N7002 SOT-23 NS)	[Q3]
215	0LA-062005100	AE	N	B	Transistor (M-FET-N 2N7002 SOT-23 NS)	[Q4]
216	0LA-062011301	AG	N	B	Transistor (M-FET-P 2SJ208 16V 2A SMT NEC)	[Q6]
217	0LA-062010701	AC	N	B	Transistor (PNP DTA144EU UMT 50V 30mA SMT ROHM)	[Q8~Q10]
218	0LA-062010501	AC	N	B	Transistor (NPN DTC114EU UMT 50V 50mA SMT ROHM)	[Q11]
219	0LA-062010501	AC	N	B	Transistor (NPN DTC114EU UMT 50V 50mA SMT ROHM)	[Q12]
220	0LA-062010701	AC	N	B	Transistor (PNP DTA144EU UMT 50V 30mA SMT ROHM)	[Q13]
221	0LA-062010701	AC	N	B	Transistor (PNP DTA144EU UMT 50V 30mA SMT ROHM)	[Q14]
222	0LA-062010501	AC	N	B	Transistor (NPN DTC114EU UMT 50V 50mA SMT ROHM)	[Q15~Q19]
223	0LA-062000701	AC		B	Transistor (NPN 2N3904 40V 200mA SMT)	[Q20]
224	0LA-062000701	AC		B	Transistor (NPN 2N3904 40V 200mA SMT)	[Q21]
225	0LA-062013000	AD	N	B	Transistor (NPN DTC115EU 50V 20mA UMT)	[Q22~Q28]
226	0LA-111033700	AA		C	Resistor (33Ω 5% 1/16W CF)	[R2]
227	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R3]
228	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R4]
229	0LA-111069300	AB		C	Resistor (1.8KΩ 5% 1/16W CF SMD0603)	[R5]
230	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R6]
231	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R7]
232	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R8]
233	0LA-111033700	AA		C	Resistor (33Ω 5% 1/16W CF)	[R9]
234	0LA-111034600	AA		C	Resistor (4.7KΩ 5% 1/16W CF)	[R10]
235	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R11]
236	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R12]
237	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R13]
238	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R14]
239	0LA-111034100	AC	N	C	Resistor (560Ω 5% 1/16W CF SMT0603)	[R15]
240	0LA-111033600	AA		C	Resistor (22Ω 5% 1/16W CF)	[R16~R17]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
241	0LA-111039710	AC	N	C	Resistor (100Ω 5% 1/16W CF SMT0603 YAGEO)	[R18-R19]
242	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R20]
243	0LA-111034400	AA		C	Resistor (2.2KΩ 5% 1/16W CF)	[R21]
244	0LA-111054900	AC	N	C	Resistor (220Ω 5% 1/16W CF SMT0603)	[R22]
245	0LA-111033600	AA		C	Resistor (22Ω 5% 1/16W CF)	[R23]
246	0LA-111034100	AC	N	C	Resistor (560Ω 5% 1/16W CF SMT0603)	[R24]
247	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R25]
248	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R27]
249	0LA-111035400	AA		C	Resistor (47KΩ 5% 1/16W CF)	[R28-R29]
250	0LA-111033600	AA		C	Resistor (22Ω 5% 1/16W CF)	[R30]
251	0LA-111054900	AC	N	C	Resistor (220Ω 5% 1/16W CF SMT0603)	[R31]
252	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R33]
253	0LA-111076800	AC	N	C	Resistor (20Ω 1% 1/10W MF SMT0805)	[R34]
254	0LA-111077700	AC	N	C	Resistor (200Ω 1% 1/10W CF SMT0805)	[R35]
255	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R37]
256	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R39]
257	0LA-111035900	AA		C	Resistor (10Ω 5% 1/16W CF)	[R40]
258	0LA-111034400	AA		C	Resistor (2.2KΩ 5% 1/16W CF)	[R41]
259	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF)	[R42]
260	0LA-111034511	AC	N	C	Resistor (3.3KΩ 5% 1/16W CF SMD0603 PHILIPS)	[R43-R45]
261	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R46]
262	0LA-111034511	AC	N	C	Resistor (3.3KΩ 5% 1/16W CF SMD0603 PHILIPS)	[R47]
263	0LA-111054900	AC	N	C	Resistor (220Ω 5% 1/16W CF SMT0603)	[R48]
264	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R49]
265	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R50]
266	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R51]
267	0LA-111035900	AA		C	Resistor (10Ω 5% 1/16W CF)	[R52]
268	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF)	[R53]
269	0LA-111035900	AA		C	Resistor (10Ω 5% 1/16W CF)	[R54-R55]
270	0LA-111035200	AA		C	Resistor (33KΩ 5% 1/16W CF SMT0603)	[R56]
271	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R57]
272	0LA-111033000	AC	N	C	Resistor (150Ω 1% 1/10W CF SMT0805)	[R58-R59]
273	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R61]
274	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R62]
275	0LA-111035400	AA		C	Resistor (47KΩ 5% 1/16W CF)	[R65]
276	0LA-111035200	AA		C	Resistor (33KΩ 5% 1/16W CF SMT0603)	[R66]
277	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R67]
278	0LA-111035400	AA		C	Resistor (47KΩ 5% 1/16W CF)	[R68-R69]
279	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R70]
280	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R71]
281	0LA-111035200	AA		C	Resistor (33KΩ 5% 1/16W CF SMT0603)	[R72]
282	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R73]
283	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R74]
284	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R75-R76]
285	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R77]
286	0LA-111035200	AA		C	Resistor (33KΩ 5% 1/16W CF SMT0603)	[R78]
287	0LA-111034600	AA		C	Resistor (4.7KΩ 5% 1/16W CF)	[R79]
288	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R80-R81]
289	0LA-111034600	AA		C	Resistor (4.7KΩ 5% 1/16W CF)	[R82]
290	0LA-111035400	AA		C	Resistor (47KΩ 5% 1/16W CF)	[R83]
291	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R84-R85]
292	0LA-111033000	AC	N	C	Resistor (150Ω 1% 1/10W CF SMT0805)	[R86]
293	0LA-111035400	AA		C	Resistor (47KΩ 5% 1/16W CF)	[R87]
294	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R88-R89]
295	0LA-111062400	AA		C	Resistor (5.6KΩ 5% 1/16W CF SMT0603)	[R90]
296	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R91-R94]
297	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R95]
298	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R96]
299	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R97]
300	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R98]
301	0LA-111035200	AA		C	Resistor (33KΩ 5% 1/16W CF SMT0603)	[R99]
302	0LA-111074400	AC	N	C	Resistor (4.7Ω 5% 1/4W CF SMT1206)	[R100]
303	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R103]
304	0LA-111033700	AA		C	Resistor (33Ω 5% 1/16W CF)	[R104-R107]
305	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R108]
306	0LA-111033700	AA		C	Resistor (33Ω 5% 1/16W CF)	[R109]
307	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R110-R111]
308	0LA-111033700	AA		C	Resistor (33Ω 5% 1/16W CF)	[R112-R115]
309	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R116]
310	0LA-111034600	AA		C	Resistor (4.7KΩ 5% 1/16W CF)	[R117]
311	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R118-R119]
312	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R121]
313	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R122-R123]
314	0LA-111039710	AC	N	C	Resistor (100Ω 5% 1/16W CF SMT0603 YAGEO)	[R124]
315	0LA-111033600	AA		C	Resistor (22Ω 5% 1/16W CF)	[R125]
316	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R126]
317	0LA-111033600	AA		C	Resistor (22Ω 5% 1/16W CF)	[R127]
318	0LA-219023500	AD	N	C	FER-bead (100MHz 120Ω SMT0603 BLM11A05)	[R128]
319	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R129]
320	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R131]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
321	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R132]
322	0LA-219023500	AD	N	C	FER-bead (100MHz 120Ω SMT0603 BLM11A05)	[R133-R134]
323	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R135]
324	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF)	[R136]
325	0LA-111079000	AC	N	C	Resistor (33Ω 1% 1/10W CF SMT 0805 YAGEO)	[R137]
326	0LA-111033600	AA		C	Resistor (22Ω 5% 1/16W CF)	[R139]
327	0LA-111039710	AC	N	C	Resistor (100Ω 5% 1/16W CF SMT0603 YAGEO)	[R140-R141]
328	0LA-111079000	AC	N	C	Resistor (33Ω 1% 1/10W CF SMT 0805 YAGEO)	[R142]
329	0LA-111035900	AA		C	Resistor (10Ω 5% 1/16W CF)	[R143]
330	0LA-219023500	AD	N	C	FER-bead (100MHz 120Ω SMT0603 BLM11A05)	[R144-R145]
331	0LA-111033700	AA		C	Resistor (33Ω 5% 1/16W CF)	[R146]
332	0LA-111039710	AC	N	C	Resistor (100Ω 5% 1/16W CF SMT0603 YAGEO)	[R147]
333	0LA-111074300	AC	N	C	Resistor (330KΩ 5% 1/16W CF SMT0603)	[R148-R153]
334	0LA-111033700	AA		C	Resistor (33Ω 5% 1/16W CF)	[R154]
335	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R155]
336	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R156-R157]
337	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R158]
338	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R160]
339	0LA-111035900	AA		C	Resistor (10Ω 5% 1/16W CF)	[R161]
340	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R162-R165]
341	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R166]
342	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF)	[R167]
343	0LA-111033700	AA		C	Resistor (33Ω 5% 1/16W CF)	[R168-R169]
344	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R170]
345	0LA-111033700	AA		C	Resistor (33Ω 5% 1/16W CF)	[R171]
346	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R172]
347	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R173]
348	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF)	[R174]
349	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R175]
350	0LA-111032800	AC	N	C	Resistor (75Ω 1% 1/10W CF SMT0805)	[R176]
351	0LA-111035200	AA		C	Resistor (33KΩ 5% 1/16W CF SMT0603)	[R177-R178]
352	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R179]
353	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R180-R181]
354	0LA-111077800	AC	N	C	Resistor (910Ω 1% 1/10W CF SMT0805)	[R182]
355	0LA-111069300	AB		C	Resistor (1.8KΩ 5% 1/16W CF SMD0603)	[R183-R184]
356	0LA-111077800	AC	N	C	Resistor (910Ω 1% 1/10W CF SMT0805)	[R185]
357	0LA-111069300	AB		C	Resistor (1.8KΩ 5% 1/16W CF SMD0603)	[R186]
358	0LA-111077800	AC	N	C	Resistor (910Ω 1% 1/10W CF SMT0805)	[R187]
359	0LA-111035200	AA		C	Resistor (33KΩ 5% 1/16W CF SMT0603)	[R190]
360	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R191]
361	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R192-R194]
362	0LA-111035200	AA		C	Resistor (33KΩ 5% 1/16W CF SMT0603)	[R195]
363	0LA-111078700	AC	N	C	Resistor (6.8KΩ 5% 1/16W CF SMT0603)	[R196]
364	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R198]
365	0LA-111034310	AC	N	C	Resistor (1KΩ 5% 1/16W CF SMT0603 YAGEO)	[R199]
366	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R200]
367	0LA-111040800	AC	N	C	Resistor (1.5KΩ 5% 1/16W CF SMT0603)	[R201]
368	0LA-111033900	AA		C	Resistor (330Ω 5% 1/16W CF)	[R202-R203]
369	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R204]
370	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R206]
371	0LA-111054900	AC	N	C	Resistor (220Ω 5% 1/16W CF SMT0603)	[R207]
372	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R208-R209]
373	0LA-111039710	AC	N	C	Resistor (100Ω 5% 1/16W CF SMT0603 YAGEO)	[R210-R211]
374	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R212]
375	0LA-111039710	AC	N	C	Resistor (100Ω 5% 1/16W CF SMT0603 YAGEO)	[R213-R214]
376	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R215]
377	0LA-111039710	AC	N	C	Resistor (100Ω 5% 1/16W CF SMT0603 YAGEO)	[R216]
378	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R217]
379	0LA-111039710	AC	N	C	Resistor (100Ω 5% 1/16W CF SMT0603 YAGEO)	[R218-R219]
380	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R220]
381	0LA-111033700	AA		C	Resistor (33Ω 5% 1/16W CF)	[R225]
382	0LA-111034511	AC	N	C	Resistor (3.3KΩ 5% 1/16W CF SMD0603 PHILIPS)	[R226]
383	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R227]
384	0LA-111082200	AC	N	C	Resistor (115KΩ 1% 1/10W CF SMT0805 YAGEO)	[R228]
385	0LA-111075301	AC	N	C	Resistor (43KΩ 1% 1/10W CF SMT0805 YAGEO)	[R229]
386	0LA-111035610	AC	N	C	Resistor (100KΩ 5% 1/16W CF SMT0603 YAGEO)	[R233-R234]
387	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF)	[R235]
388	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF)	[R237-R238]
389	0LA-211030500	AL		B	Switch (SMT3-01 4pin SMT)	[S1]
390	0LA-211030500	AL		B	Switch (SMT3-01 4pin SMT)	[S2]
391	0LA-053016001	AM		B	LNR-IC (LM334M SOP 8pin SMD NS)	[TR1]
392	0LA-062011501	AN	N	B	Transistor (M-FET-P S19430DY 20V 4A SOP 8P SIL)	[TR2-TR4]
393	0LA-062003302	AN		B	Transistor (M-FET-P S19953DY 20V 3.3A SOP SIL)	[TR5]
394	0LA-062008701	AP	N	B	Transistor (M-FET-P NDS9435A-30V 4.6A SMD NS)	[TR6]
395	0LA-062008701	AP	N	B	Transistor (M-FET-P NDS9435A-30V 4.6A SMD NS)	[TR7]
396	0LA-062003302	AN		B	Transistor (M-FET-P S19953DY 20V 3.3A SOP SIL)	[TR8]
397	0LA-031006400	BG	N	B	FROM (256KB x 8 150NS PLCC 28F020 12V)	[U1]
398	0LA-201003503	AL		C	SCKT (PLCC 32pin TIN SMT AMP)	[U1]
399	0LA-053015200	AX		B	LNR-IC (MAX213E ECAI 28pin SSOP)	[U2]
400	0LA-052048202	BK	N	B	ASIC (8886BN TQFP 208pin UMC)	[U3]

4 Mother board Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
401	0LA-052048700	BM	N	B	ASIC (CL-PD6729B PQFP 208pin CIR)	[U4]
402	VHiET514265J6	BH	N	B	DRAM (256K x 16 60NS SOJ 5V TOS TC-514260)	[U5]
403	0LA-051047801	AF	N	B	DL-IC (7400HC SOP 14pin TOS)	[U7]
404	0LA-052050701	AW	N	B	ASIC (CL-GD7548-850C-A PQFP 208pin CIR)	[U8]
405	0LA-051049001	AG	N	B	DL-IC (74138 HC SOP 16pin NS)	[U9]
406	0LA-053022000	AH	N	B	LNR-IC (TC3W03FU SSOP 8pin TOS)	[U10]
407	0LA-053022300	AW	N	B	LNR-IC (DS1669S 10KΩ SOP 8pin DALLS)	[U11]
408	0LA-053022300	AW	N	B	LNR-IC (DS1669S 10KΩ SOP 8pin DALLS)	[U12]
409	VHiET514265J6	BH	N	B	DRAM (256K x 16 60NS SOJ 5V TOS TC-514260)	[U13]
410	VHiLZ9AT32/-1	BA		B	ASIC (LZ9AT32 4MBIR TQFP 100pin)	[U15]
411	0LA-052048900	BP	N	B	ASIC (VIBRA16S CT2504 PQFP 100P VIBRA)	[U16]
412	0LA-052048600	AY	N	B	ASIC (AD722 SOP 16pin AD)	[U17]
413	0LA-053022100	AK	N	B	LNR-IC (MC3458D SOP 8pin MOTOROLA)	[U18]
414	0LA-053026600	AN	N	B	LNR-IC (NJM3416A V SSOP 8pin JRC)	[U19]
415	0LA-051048201	AG	N	B	DL-IC (TC7W14FU SSOP 8pin TOS)	[U21]
416	0LA-051049101	AP	N	B	DL-IC (QS74QST 3L384 QSOP 24pin QS)	[U22]
417	0LA-051044310	AK		B	DL-IC (74245 HCT SSOP 20pin)	[U23-U25]
418	0LA-052048500	BG	N	B	ASIC (PC87336VJG TQFP 100P NS)	[U26]
419	0LA-051016601	AK	N	B	DL-IC (74151 ACT SOP 16pin NS)	[U27]
420	0LA-051021104	AF	N	B	DL-IC (7432 HC SOP 14pin PHI)	[U28]
421	0LA-051049301	AF	N	B	DL-IC (07402 HC SOP 14pin NS)	[U29]
422	0LA-053009810	AG		B	LNR-IC (CD4069 SOP 14pin)	[U30]
423	0LA-051048401	AF	N	B	DL-IC (7408 HC SOP 14pin NS)	[U31]
424	0LA-051047901	AP	N	B	DL-IC (CGS74CT2524 SOP 8pin NS)	[U32]
425	0LA-051048101	AG	N	B	DL-IC (TC7W241FU SSOP 8pin TOS)	[U33]
426	0LA-052049000	AX	N	B	ASIC (MK9155-23 SOP 20pin MICROCLOCK)	[U34]
427	0LA-051021401	AG	N	B	DL-IC (07404 ACT 14pin SMT NS)	[U35]
428	0LA-051049101	AP	N	B	DL-IC (QS74QST 3L384 QSOP 24pin QS)	[U36]
429	0LA-051049101	AP	N	B	DL-IC (QS74QST 3L384 QSOP 24pin QS)	[U37]
430	0LA-053020500	AY	N	B	LNR-IC (YAC516-E SSOP 24pin YAM)	[U38]
431	0LA-053021300	BE	N	B	LNR-IC (YMF289B 48pin SQFP YAMAHA)	[U39]
432	0LA-051042304	AL	N	B	DL-IC (74373 HC SSOP 20pin TI)	[U40]
433	0LA-052048400	BE	N	B	ASIC (M38802M2-013HP QFP64P MIN V3.18)	[U41]
434	0LA-053014901	AH	N	B	LNR-IC (MC3403 SOP 14pin MOTOROLA)	[U42]
435	0LA-053016801	AT	N	B	LNR-IC (LM4861 SOP 8pin NS)	[U43]
436	0LA-053016801	AT	N	B	LNR-IC (LM4861 SOP 8pin NS)	[U44]
437	0LA-051049301	AF	N	B	DL-IC (07402 HC SOP 14pin NS)	[U45]
438	0LA-053016602	AN	N	B	LNR-IC (LP2951CM SOP 8pin NS)	[U46]
439	0LA-119001402	AN	N	B	VAR-Registor (10KΩ XV0102GPVIN DIP 5pin)	[VR1]
440	0LA-214013001	AT	N	B	FREQ XTL (17.73448MHz SMD 2P FCX-02 RIVER)	[X1]
441	0LA-214013601	AS	N	B	FREQ XTL (24MHz SMD 2P FCX-02 RIVER)	[X2]
442	0LA-214013201	AR	N	B	FREQ XTL (16MHz SMD 2P FCX-02 RIVER)	[X3]
443	0LA-214013501	AT	N	B	FREQ XTL (46.61512MHz SMD 2P FCX-02 RIVER)	[X4]
444	0LA-214013401	AT	N	B	FREQ XTL (33.8688MHz SMD 2P FCX-02 RIVER)	[X5]
445	0LA-214012901	AH	N	B	FREQ XTL (8MHz DIP 2pin CSA-309 CIT)	[X6]
446	0LA-214011601	AF	N	B	FREQ XTL (32.768KHz DIP 2pin CFS-308 CIT)	[X7]
447	0LA-214011500	AG		B	FREQ XTL (14.318MHz DIP 2pin CSA-309 CIT)	[X8]
448	0LA-241008100	AA		C	Screw (M2 x 0.4+12.5P-NI)	
449	0LA-241008400	AA		C	Nut (D2 x P0.4 x H1.5-NI)	
450	0LA-245015700	AT	N	C	I/O bracket	
451	0LA-248019700	AD		C	PCMCIA I. sheet (0.2mm)	
452			N	C	Label N/B BIOS pentium power suite II	
453	0LA-241020000	AD	N	C	Screw (M2.6 x 0.45+4 SPEC HEAD-NI AV-S SHARP)	
	(Unit)					
901	0LA-517012200	DL	N	E	Mother board unit	

5 DC/DC-A PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	0LA-105068400	AG	N	C	MO-Capacitor (4.7μ 25V 20% SMT1206 CETMK316F47)	[C1]
2	0LA-105025201	AK		C	MO-Capacitor (10μF 25V +80% -20%)	[C2]
3	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA)	[C4]
4	0LA-105068400	AG	N	C	MO-Capacitor (4.7μ 25V 20% SMT1206 CETMK316F47)	[C5]
5	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA)	[C6-C7]
6	0LA-105025201	AK		C	MO-Capacitor (10μF 25V +80% -20%)	[C8]
7	0LA-105010800	AC	N	C	MO-capacitor (0.047μF 25V 10% SMT0805 X7R)	[C9]
8	0LA-105022600	AB		C	MO-Capacitor (1000pF 50V 10%)	[C10]
9	0LA-105025201	AK		C	MO-Capacitor (10μF 25V +80% -20%)	[C11]
10	0LA-105023203	AC	N	C	MO-Capacitor (0.01μF 50V 10% SMT0805 X7R MURATA)	[C12]
11	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA)	[C14]
12	0LA-105023203	AC	N	C	MO-Capacitor (0.01μF 50V 10% SMT0805 X7R MURATA)	[C15]
13	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA)	[C16-C19]
14	0LA-105020601	AD		C	MO-Capacitor (1μF 25V +80% -20% SMT 1206 Y5V AV)	[C20]
15	0LA-105068400	AG	N	C	MO-Capacitor (4.7μ 25V 20% SMT1206 CETMK316F47)	[C21]
16	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA)	[C22-C26]
17	0LA-105022300	AB		C	MO-Capacitor (220pF 50V 5%)	[C27]

5 DC/DC-A PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
18	0LA-105023203	AC	N	C	MO-Capacitor (0.01μF 50V 10% SMT0805 X7R MURATA)	[C29]
19	0LA-103007900	AK	N	C	E-Capacitor (220μF 25V 20% SMD 8 5 10.5 CV-GX)	[C30]
20	0LA-103047800	AN		C	E-Capacitor (100μF 10V 20% 3.5mm 10SA100M)	[C31]
21	0LA-103007900	AK	N	C	E-Capacitor (220μF 25V 20% SMD 8 5 10.5 CV-GX)	[C32]
22	0LA-105020601	AD		C	MO-Capacitor (1μF 25V +80% -20% SMT 1206 Y5V AV)	[C33]
23	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA)	[C34]
24	0LA-103003303	AQ	N	C	E-Capacitor (22μF 25V 20% 3.5mm 25SC22M)	[C35]
25	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA)	[C36~C38]
26	0LA-105068400	AG	N	C	MO-Capacitor (4.7μ 25V 20% SMT1206 CETMK316F47)	[C39]
27	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA)	[C40]
28	0LA-105068400	AG	N	C	MO-Capacitor (4.7μ 25V 20% SMT1206 CETMK316F47)	[C41]
29	0LA-105020601	AD		C	MO-Capacitor (1μF 25V +80% -20% SMT 1206 Y5V AV)	[C42]
30	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80%-20% SMD0805 MURATA)	[C43]
31	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA)	[C44]
32	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA)	[C45]
33	0LA-105023203	AC	N	C	MO-Capacitor (0.01μF 50V 10% SMT0805 X7R MURATA)	[C46]
34	0LA-202028200	AD	N	C	Connector (WAFER 2pin 1.25mm 0° 53047-0210 MOL)	[CN1]
35	0LA-222022700	AK	N	C	F-cable DC-DC to CPU (5W 1H for AV-S)	[CN2]
36	0LA-202042500	AC	N	C	Connector (D-M 5P 2.0 180° DIP 53014-0510 MOL)	[CN3]
37	0LA-202038900	AZ	N	C	Connector (50 5 2pin 0.65mm 180° 52760-1009 MOL)	[CN4]
38	0LA-061004600	AK	N	B	Diode STKY (STKY NSQ03A04 40V 3A SMT NI)	[D1]
39	0LA-061010801	AC		B	Diode (1SS355 SMT USM ROHM)	[D2]
40	0LA-061004600	AK	N	B	Diode STKY (STKY NSQ03A04 40V 3A SMT NI)	[D3]
41	0LA-061010801	AC		B	Diode (1SS355 SMT USM ROHM)	[D4]
42	0LA-061004900	AN	N	B	Diode STKY (EA60QC04F 40V 6A SMT)	[D5]
43	0LA-061010901	AC	N	B	Diode zener (RLZ 10V-B 400mW LL-34 ROHM)	[D6]
44	0LA-061012501	AC	N	B	Diode array (DAN 202μ 80V 100mA UMT ROHM)	[D7]
45	0LA-061004900	AN	N	B	Diode STKY (EA60QC04F 40V 6A SMT)	[D8]
46	0LA-061012801	AE	N	B	Diode GP (RB411D 20V 0.5V SOT-23 ROHM)	[D9]
47	0LA-061012701	AF	N	B	Diode GP (RB401D 40V 0.5A SOT-23 ROHM)	[D10~D11]
48	0LA-061010801	AC		B	Diode (1SS355 SMT USM ROHM)	[D12~D15]
49	0LA-061012701	AF	N	B	Diode GP (RB401D 40V 0.5A SOT-23 ROHM)	[D16]
50	0LA-061012801	AE	N	B	Diode GP (RB411D 20V 0.5V SOT-23 ROHM)	[D17]
51	0LA-061004600	AK	N	B	Diode STKY (STKY NSQ03A04 40V 3A SMT NI)	[D19]
52	0LA-061004600	AK	N	B	Diode STKY (STKY NSQ03A04 40V 3A SMT NI)	[D20]
53	0LA-061010502	AC	N	B	Diode zener (RLZ 4.3V-B 400mW LL-34 ROHM)	[D21]
54	0LA-061012701	AF	N	B	Diode GP (RB401D 40V 0.5A SOT-23 ROHM)	[D22]
55	0LA-061013001	AE	N	B	Diode GP (RB717F 25V 30mA UMD ROHM)	[D23]
56	0LA-061012501	AC	N	B	Diode array (DAN 202μ 80V 100mA UMT ROHM)	[D24]
57	0LA-061010801	AC		B	Diode (1SS355 SMT USM ROHM)	[D25~D26]
58	0LA-061012701	AF	N	B	Diode GP (RB401D 40V 0.5A SOT-23 ROHM)	[D28]
59	0LA-061014200	AC	N	B	Diode zener (RLZ 24V-B 400mW LL-34 ROHM)	[D29]
60	0LA-061009400	AC	N	B	Diode zener (RLZ6.2B 2pin SMD ROHM)	[D30]
61	0LA-061013701	AC	N	B	Diode array (DA204U 20V 100mA UMT ROHM)	[D31]
⚠ 62	0LA-211003200	AK		A	Fuse (SFT-5 5A 125V Bus)	[F1~F2]
63	0LA-219012601	AE	N	C	FER-Bead (100MHz 60Ω SMT1680 BLM41P03M)	[FB1~FB3]
64	0LA-219012400	AD		C	FER-Bead (FB423226T-Y7 SMT 3 5 4mm)	[FB4~FB5]
65	0LA-202042300	AH	N	C	Connector (D-F 12P 2.0 180° DIP 20030S-12G2 SUY)	[JP1~JP2]
66	0LA-120010200	AM	N	C	Inductor (CDRH127-470MC 2.2A 47μH)	[L1]
67	0LA-062010801	AC	N	B	Transistor (NPN DTC114YU UMT 50V 100mA SMT ROHM)	[Q1]
68	0LA-062014101	AC	N	B	Transistor (PNP DTA114YUA UMT 50V 70mA SMT ROHM)	[Q2]
69	0LA-062003502	AP		B	Transistor (FET-N RFD16N05LSM 50V 16A)	[Q3]
70	0LA-062000701	AC		B	Transistor (NPN 2N3904 40V 200mA SMT)	[Q4~Q5]
71	0LA-062013000	AD	N	B	Transistor (NPN DTC115EU 50V 20mA UMT)	[Q6]
72	0LA-062003700	AD	N	B	Transistor (NPN MMBT2222A SOT-23 NS)	[Q7~Q8]
73	0LA-062013000	AD	N	B	Transistor (NPN DTC115EU 50V 20mA UMT)	[Q10]
74	0LA-062013901	AH	N	B	Transistor (M-FET-P NDS352P 20V 850mA SOT23 NS)	[Q11]
75	0LA-062002900	AD	N	B	Transistor (PNP MMBT3906 40V 200mA SOT-23)	[Q12]
76	0LA-062000701	AC		B	Transistor (NPN 2N3904 40V 200mA SMT)	[Q13]
77	0LA-062001800	AC	N	B	Transistor (PNP MMBT2907AL 5V SMT)	[Q14]
78	0LA-062003700	AD	N	B	Transistor (NPN MMBT2222A SOT-23 NS)	[Q15]
79	0LA-062001800	AC	N	B	Transistor (PNP MMBT2907AL 5V SMT)	[Q16]
80	0LA-062010801	AC	N	B	Transistor (NPN DTC114YU UMT 50V 100mA SMT ROHM)	[Q17]
81	0LA-062002900	AD	N	B	Transistor (PNP MMBT3906 40V 200mA SOT-23)	[Q18]
82	0LA-062013000	AD	N	B	Transistor (NPN DTC115EU 50V 20mA UMT)	[Q19]
83	0LA-062010801	AC	N	B	Transistor (NPN DTC114YU UMT 50V 100mA SMT ROHM)	[Q20]
84	0LA-062013901	AH	N	B	Transistor (M-FET-P NDS352P 20V 850mA SOT23 NS)	[Q21]
85	0LA-062010801	AC	N	B	Transistor (NPN DTC114YU UMT 50V 100mA SMT ROHM)	[Q22]
86	0LA-062012101	AE	N	B	Transistor (2CKT IMD2 50V 30mA 6pin ROHM)	[Q23~Q25]
87	0LA-062010801	AC	N	B	Transistor (NPN DTC114YU UMT 50V 100mA SMT ROHM)	[Q26]
88	0LA-062010701	AC	N	B	Transistor (PNP DTA144EU UMT 50V 30mA SMT ROHM)	[Q27~Q28]
89	0LA-062013000	AD	N	B	Transistor (NPN DTC115EU 50V 20mA UMT)	[Q29]
90	0LA-062002900	AD	N	B	Transistor (PNP MMBT3906 40V 200mA SOT-23)	[Q30]
91	0LA-062010801	AC	N	B	Transistor (NPN DTC114YU UMT 50V 100mA SMT ROHM)	[Q31]
92	0LA-111079100	AC	N	C	Resistor (412Ω 1% 1/10W CF SMT0805 PHILIPS)	[R1]
93	0LA-111031800	AA		C	Resistor (4.7KΩ 1% 1/10W CF SMT0805)	[R2]
94	0LA-111025400	AA		C	Resistor (2.2KΩ 1% 1/10W CF)	[R3]
95	0LA-111025900	AA		C	Resistor (10KΩ 1% 1/10W CF)	[R6]
96	0LA-111080800	AC	N	C	Resistor (16.5K 1% 1/10W CF SMT 0805)	[R8]
97	0LA-111057600	AC	N	C	Resistor (12.4KΩ 1% 1/10W CF SMT 0805)	[R9]

5 DC/DC-A PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
98	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF) [R10]
99	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R11]
100	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF) [R12~R13]
101	0LA-111039700	AA		C	Resistor (100Ω 5% 1/16W CF) [R14]
102	0LA-119001500	AG	N	C	VAR-RES (10KΩ ±25% 0.2W TMC4K-B10K) [R15]
103	0LA-111025400	AA		C	Resistor (2.2KΩ 1% 1/10W CF) [R16]
104	0LA-111062400	AA		C	Resistor (5.6KΩ 5% 1/16W CF SMT0603) [R17]
105	0LA-111082100	AC	N	C	Resistor (3.24K ±1% 1/10W CF SMT0805 YAGEO) [R18]
106	0LA-111079300	AC	N	C	Resistor (18.7K 1% 1/10W CF SMT0805 PHILIPS) [R19]
107	0LA-111031600	AA		C	Resistor (1KΩ 1% 1/10W CF) [R20]
108	0LA-111078301	AC	N	C	Resistor (88.7KΩ 1% 1/10W MF SMT0805 YAGEO) [R21]
109	0LA-111038500	AE		C	Resistor (40MΩ 5% 1/4W CF) [R22~R23]
110	0LA-111025900	AA		C	Resistor (10KΩ 1% 1/10W CF) [R24]
111	0LA-111075501	AC	N	C	Resistor (5.11KΩ 1% 1/10W CF SMT0805 YAGEO) [R25]
112	0LA-111035400	AA		C	Resistor (47KΩ 5% 1/16W CF) [R26]
113	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R27]
114	0LA-111075100	AC	N	C	Resistor (2.2M ±5% 1/16W CF SMT0603) [R28]
115	0LA-111079500	AC	N	C	Resistor (1.37K 1% 1/10W CF SMT0805 PHILIPS) [R29]
116	0LA-111055701	AC	N	C	Resistor (470KΩ 5% 1/16W CF SMD0603 YAGEO) [R30]
117	0LA-111031600	AA		C	Resistor (1KΩ 1% 1/10W CF) [R31]
118	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R32]
119	0LA-111035400	AA		C	Resistor (47KΩ 5% 1/16W CF) [R33]
120	0LA-111039700	AA		C	Resistor (100Ω 5% 1/16W CF) [R34]
121	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R36~R37]
122	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF) [R38]
123	0LA-111043700	AC	N	C	Resistor (220KΩ 5% 1/16W CF SMT0603 YAGEO) [R39~R40]
124	0LA-111039700	AA		C	Resistor (100Ω 5% 1/16W CF) [R41]
125	0LA-111034500	AA		C	Resistor (3.3KΩ 5% 1/16W CF) [R42~R43]
126	0LA-111035800	AA		C	Resistor (2MΩ 5% 1/16W CF SMT0603) [R44]
127	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF) [R45]
128	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R46]
129	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF) [R47]
130	0LA-111035200	AA		C	Resistor (33KΩ 5% 1/16W CF SMT0603) [R48]
131	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF) [R49]
132	0LA-111075301	AC	N	C	Resistor (43KΩ 1% 1/10W CF SMT0805 YAGEO) [R50]
133	0LA-111078200	AC	N	C	Resistor (750Ω 5% 1W SMT 2512) [R51]
134	0LA-111032800	AC	N	C	Resistor (75Ω 1% 1/10W CF SMT0805) [R52]
135	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF) [R53]
136	0LA-111075001	AC	N	C	Resistor (127KΩ 1% 1/10W CF SMT0805 YAGEO) [R54]
137	0LA-111035400	AA		C	Resistor (47KΩ 5% 1/16W CF) [R55]
138	0LA-111025900	AA		C	Resistor (10KΩ 1% 1/10W CF) [R57]
139	0LA-111082000	AC	N	C	Resistor (36.5K ±1% 1/10W CF SMT0805 YAGEO) [R58]
140	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF) [R59]
141	0LA-111025900	AA		C	Resistor (10KΩ 1% 1/10W CF) [R60]
142	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF) [R61~R62]
143	0LA-111079500	AC	N	C	Resistor (1.37K 1% 1/10W CF SMT0805 PHILIPS) [R63]
144	0LA-111075501	AC	N	C	Resistor (5.11KΩ 1% 1/10W CF SMT0805 YAGEO) [R64~R65]
145	0LA-111025400	AA		C	Resistor (2.2KΩ 1% 1/10W CF) [R66]
146	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R67~R68]
147	0LA-111079500	AC	N	C	Resistor (1.37K 1% 1/10W CF SMT0805 PHILIPS) [R69]
148	0LA-111079500	AC	N	C	Resistor (1.37K 1% 1/10W CF SMT0805 PHILIPS) [R70]
149	0LA-111075501	AC	N	C	Resistor (5.11KΩ 1% 1/10W CF SMT0805 YAGEO) [R71]
150	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF) [R72]
151	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF) [R73]
152	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R74~R75]
153	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF) [R76]
154	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF) [R77]
155	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF) [R78]
156	0LA-111039700	AA		C	Resistor (100Ω 5% 1/16W CF) [R79]
157	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R80]
158	0LA-111079400	AC	N	C	Resistor (232Ω 1% 1/10W CF SMT0805 PHILIPS) [R81]
159	0LA-111079200	AC	N	C	Resistor (3.9K 1% 1/10W CF SMT0805 PHILIPS) [R82]
160	0LA-111018800	AA		C	Resistor (0Ω 5% 1/10W CF SMT0805) [R83]
161	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF) [R84]
162	0LA-111035700	AA		C	Resistor (1MΩ 5% 1/16W CF) [R85]
163	0LA-111055701	AC	N	C	Resistor (470KΩ 5% 1/16W CF SMD0603 YAGEO) [R86]
164	0LA-111031800	AA		C	Resistor (4.7KΩ 1% 1/10W CF SMT0805) [R89~R94]
165	0LA-111034500	AA		C	Resistor (3.3KΩ 5% 1/16W CF) [R95~R97]
166	0LA-111033500	AA		C	Resistor (0Ω 5% 1/16W CF) [R98]
167	0LA-053024401	AK	N	B	LNR-IC (TL494 SOP 16P TI) [U1]
168	0LA-053016600	AP	N	B	LNR-IC (LP2951CM SOP 8pin) [U2]
169	0LA-053019600	AG	N	B	LNR-IC (LM358 SOP 8pin) [U3]
170	0LA-062012501	AP	N	B	Transistor (M-FET-N S19410DY 30V 7A SO-8 SIL) [U4]
171	0LA-062012701	AP	N	B	Transistor (M-FET-P S19435DY 30V 5A SO-8 SIL) [U5~U6]
172	VHiMB8962-292	AX		B	ASIC (MB8962-292 8BIY MPU 64QFP) [U7]
173	0LA-214013700	AL	N	B	FREQ XTL (XTAL FAR-C4CA04000-M02 4MHz SMD) [U8]
174	0LA-053025301	AM	N	B	LNR-IC (TL V431A SMD 5P TI) [U9]
175	0LA-062012701	AP	N	B	Transistor (M-FET-P S19435DY 30V 5A SO-8 SIL) [U11]
176	0LA-053023201	AH	N	B	LNR-IC (XC62AP4002M SOT-23 4V 250mA 150mW) [U12]
177	0LA-053022701	AH	N	B	LNR-IC (XC61AN4002M SOT-23 4V TOR) [U13]

5 DC/DC-A PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
178	0LA-053022701	AH	N	B	LNR-IC (XC61AN4002M SOT-23 4V TOR) [U20]
179	0LA-221010421	AC	N	C	Wire jumper (TFL AWG30 1C BL 70mm)
180	0LA-221010425	AC	N	C	Wire jumper (TFL AWG30 1C L=5mm BLUE)
181	0LA-252075500	AC	N	C	Sponge cushion (D=10mm T=2mm)
	(Unit)				
901	0LA-517012100	BX	N	E	DC/DC-A PWB unit

6 DC/DC-B PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0LA-103049300	AR	N	C	E-capacitor (330μF 6.3V 20% 5mm 6SA330M SANYO) [C201]
2	0LA-103049300	AR	N	C	E-capacitor (330μF 6.3V 20% 5mm 6SA330M SANYO) [C202]
3	0LA-103007601	AH		C	E-Capacitor (10μF 25V 20% 2.5mm 105° 25SC10M) [C203]
4	0LA-103004102	AS	N	C	E-Capacitor (47μF 25V 20% 5mm 25SC47M) [C204]
5	0LA-103004102	AS	N	C	E-Capacitor (47μF 25V 20% 5mm 25SC47M) [C205]
6	0LA-105025201	AK		C	MO-Capacitor (10μF 25V +80% -20%) [C206]
7	0LA-105023203	AC	N	C	MO-Capacitor (0.01μF 50V 10% SMT0805 X7R MURATA) [C207]
8	0LA-105024900	AG		C	MO-Capacitor (4.7μF 16V +80% -20%) [C208]
9	0LA-105022600	AB		C	MO-Capacitor (1000pF 50V 10%) [C209]
10	0LA-103007601	AH		C	E-Capacitor (10μF 25V 20% 2.5mm 105° 25SC10M) [C210]
11	0LA-105014301	AC		C	MO-Capacitor (0.1μF 50V +80-20% SMD0805 MURATA) [C211]
12	0LA-105022300	AB		C	MO-Capacitor (220pF 50V 5%) [C212-C213]
13	0LA-105020601	AD		C	MO-Capacitor (1μF 25V +80% -20% SMT 1206 Y5V AV) [C214-C215]
14	0LA-105023203	AC	N	C	MO-Capacitor (0.01μF 50V 10% SMT0805 X7R MURATA) [C216]
15	0LA-105023203	AC	N	C	MO-Capacitor (0.01μF 50V 10% SMT0805 X7R MURATA) [C217]
16	0LA-105022300	AB		C	MO-Capacitor (220pF 50V 5%) [C218]
17	0LA-105023203	AC	N	C	MO-Capacitor (0.01μF 50V 10% SMT0805 X7R MURATA) [C219]
18	0LA-105020601	AD		C	MO-Capacitor (1μF 25V +80% -20% SMT 1206 Y5V AV) [C220]
19	0LA-105023203	AC	N	C	MO-Capacitor (0.01μF 50V 10% SMT0805 X7R MURATA) [C221]
20	0LA-061004600	AK	N	B	Diode STKY (STKY NSQ03A04 40V 3A SMT NI) [D201]
21	0LA-061004600	AK	N	B	Diode STKY (STKY NSQ03A04 40V 3A SMT NI) [D202]
22	0LA-061004705	AF		B	Diode (FAST EC11FS2 100V 2A SMT NI) [D203]
23	0LA-061012701	AF	N	B	Diode GP (RB401D 40V 0.5A SOT-23 ROHM) [D204]
24	0LA-061010502	AC	N	B	Diode zener (RLZ 4.3V-B 400mW LL-34 ROHM) [D205]
25	0LA-061009400	AC	N	B	Diode zener (RLZ6.2B 2pin SMD) [D206]
26	0LA-061010801	AC		B	Diode (1SS355 SMT USM ROHM) [D207-D210]
27	0LA-219012400	AD		C	FER-Bead (FB423226T-Y7 SMT 3 5 4mm) [FB201]
28	0LA-219012400	AD		C	FER-Bead (FB423226T-Y7 SMT 3 5 4mm) [FB202]
29	0LA-219012400	AD		C	FER-Bead (FB423226T-Y7 SMT 3 5 4mm) [FB203]
30	0LA-202042400	AG	N	C	Connector (D-M 12P 2.0 180° DIP 20011H-075-12G2) [JP201]
31	0LA-202042400	AG	N	C	Connector (D-M 12P 2.0 180° DIP 20011H-075-12G2) [JP202]
32	0LA-202045100	AE	N	C	Connector (D-M 2P 2.0 0° DIP 20011H-120-02G2) [JP203]
33	0LA-120010100	AM	N	C	Inductor (CDRH127-100MC 5.5A 10μH) [L201]
34	0LA-062013000	AD	N	B	Transistor (NPN DTC115EU 50V 20mA UMT) [Q201-Q203]
35	0LA-062011301	AG	N	B	Transistor (M-FET-P 2SJ208 16V 2A SMT NEC) [Q204]
36	0LA-062012101	AE	N	B	Transistor (2CKT IMD2 50V 30mA 6pin ROHM) [Q205]
37	0LA-062000701	AC		B	Transistor (NPN 2N3904 40V 200mA SMT) [Q206]
38	0LA-062000701	AC		B	Transistor (NPN 2N3904 40V 200mA SMT) [Q207]
39	0LA-111074500	AC	N	C	Resistor (36KΩ 5% 1/16W CF SMT0603) [R202]
40	0LA-111035100	AA		C	Resistor (22KΩ 5% 1/16W CF SMT0603 YAGEO) [R203]
41	0LA-111031600	AA		C	Resistor (1KΩ 1% 1/10W CF) [R204]
42	0LA-111038500	AE		C	Resistor (40MΩ 5% 1/4W CF) [R205-R210]
43	0LA-111031600	AA		C	Resistor (1KΩ 1% 1/10W CF) [R211]
44	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R212]
45	0LA-111035100	AA		C	Resistor (22KΩ 5% 1/16W CF SMT0603 YAGEO) [R213]
46	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R214-R215]
47	0LA-111034800	AA		C	Resistor (10KΩ 5% 1/16W CF) [R216]
48	0LA-111055701	AC	N	C	Resistor (470KΩ 5% 1/16W CF SMD0603 YAGEO) [R217]
49	0LA-111055701	AC	N	C	Resistor (470KΩ 5% 1/16W CF SMD0603 YAGEO) [R218]
50	0LA-111035600	AA		C	Resistor (100KΩ 5% 1/16W CF) [R220]
51	0LA-111027600	AC	N	C	Resistor (33KΩ 5% 1/10W CF SMT0805) [R221]
52	0LA-111066901	AC	N	C	Resistor (26.1K 1% 1/10W MF SMT0805) [R223]
53	0LA-111080900	AC	N	C	Resistor (3.09K 1% 1/10W CF SMT 0805) [R226]
54	0LA-111038500	AE		C	Resistor (40MΩ 5% 1/4W CF) [R227]
55	0LA-111027600	AC	N	C	Resistor (33KΩ 5% 1/10W CF SMT0805) [R228]
56	0LA-111062000	AC	N	C	Resistor (1.5KΩ 1% 1/10W MF SMT0805) [R229]
57	0LA-111035100	AA		C	Resistor (22KΩ 5% 1/16W CF SMT0603 YAGEO) [R230]
58	0LA-111029500	AC	N	C	Resistor (3.9KΩ 5% 1/10W CF SMT0805) [R231]
59	0LA-211031401	AK	N	B	Switch (PT-007-B22B PUSH TYPE SMD 4P HOR) [S201]
60	0LA-120012900	AS	N	B	Transformer (GSP-8505 EFD-15) [T201]
61	0LA-053025301	AM	N	B	LNR-IC (TL V431A SMD 5P TI) [U201]
62	0LA-062012401	AS	N	B	Transistor (M-FET-N S14410DY 30V8A SO-8 SIL) [U202-U205]
63	0LA-052092502	AZ		B	ASIC (MAX786CAI SSOP 28PIN MAXIM) [U206]
	(Unit)				
901	0LA-517013700	BS	N	E	DC-DC-B PWB unit

7 CPU PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	RMPTQ41 00QCJJ	AC	N	B	Block resistor (10Ω×4)	[BR101]
2	RMPTQ41 00QCJJ	AC	N	B	Block resistor (10Ω×4)	[BR102]
3	RMPTQ41 03QCJJ	AB		B	Block resistor (10KΩ×4)	[BR103]
4	RMPTQ41 03QCJJ	AB		B	Block resistor (10KΩ×4)	[BR104]
5	RMPTQ41 00QCJJ	AC	N	B	Block resistor (10Ω×4)	[BR105]
6	RMPTQ41 03QCJJ	AB		B	Block resistor (10KΩ×4)	[BR106]
7	RMPTQ41 04QCJJ	AB		B	Block resistor ((100KΩ×4)	[BR107]
8	RMPTQ41 03QCJJ	AB		B	Block resistor (10KΩ×4)	[BR108]
9	RMPTQ41 04QCJJ	AB		B	Block resistor (100KΩ×4)	[BR120]
10	RMPTQ41 04QCJJ	AB		B	Block resistor (100KΩ×4)	(PC9070) [BR121]
11	RMPTQ41 03QCJJ	AB		B	Block resistor (10KΩ×4)	(PC9070) [BR132]
12	RMPTQ41 03QCJJ	AB		B	Block resistor (10KΩ×4)	(PC9070) [BR133]
13	RMPTQ41 04QCJJ	AB		B	Block resistor (100KΩ×4)	(PC9070) [BR136]
14	RMPTQ41 00QCJJ	AC	N	B	Block resistor (10KΩ×4)	(PC9070) [BR137-BR138]
15	RMPTQ41 00QCJJ	AC	N	B	Block resistor (10KΩ×4)	(PC9070) [BR139]
16	RMPTQ41 00QCJJ	AC	N	B	Block resistor (10Ω×4)	(PC9070) [BR140]
17	RMPTQ41 03QCJJ	AB		B	Block resistor (100KΩ×4)	[BR141]
18	RMPTQ41 00QCJJ	AC	N	B	Block resistor (10Ω×4)	(PC9070) [BR142]
19	RMPTQ41 00QCJJ	AC	N	B	Block resistor (10Ω×4)	[BR143-BR145]
20	RMPTQ41 04QCJJ	AB		B	Block resistor (100KΩ×4)	(PC9070) [BR146]
21	RMPTQ41 00QCJJ	AC	N	B	Block resistor (10Ω×4)	[BR148-BR154]
22	RC-EZ4761RC0J	AL	N	C	Capacitor (6.3V 47μF)	[C1]
23	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C2-C4]
24	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C5]
25	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C6]
26	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C7-C9]
27	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C10]
28	VCCCCY1HH150J	AB		C	Capacitor (50V 15pF)	[C11]
29	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C12]
30	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C13]
31	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C14-C16]
32	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C17]
33	RC-EZ4761RC0J	AL	N	C	Capacitor (6.3V 47μF)	[C18-C20]
34	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C21]
35	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C22]
36	RC-EZ4761RC0J	AL	N	C	Capacitor (6.3V 47μF)	[C23-C24]
37	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C25]
38	RC-EZ4761RC0J	AL	N	C	Capacitor (6.3V 47μF)	[C26-C29]
39	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C30]
40	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C31]
41	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C32]
42	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C33]
43	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C34]
44	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C35]
45	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C36]
46	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C37]
47	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C38]
48	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C39]
49	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C40]
50	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C41]
51	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C42]
52	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C43]
53	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C44]
54	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C45]
55	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C46]
56	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	(PC9070) [C47-C49]
57	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C50]
58	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C51]
59	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C52]
60	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C53]
61	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C54]
62	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C55]
63	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C56]
64	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C57]
65	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C58]
66	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C59]
67	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C60]
68	VCCCCY1HH150J	AB		C	Capacitor (50V 15pF)	(PC9070) [C61]
69	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C62]
70	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C63]
71	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	(PC9070) [C64]
72	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C65]
73	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C66]
74	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C67]
75	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C68]
76	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C69]
77	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C70]
78	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C71]
79	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C72]
80	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C73]

7 CPU PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
81	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C74]
82	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	(PC9070) [C75]
83	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C76]
84	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C77]
85	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C78]
86	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C79]
87	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C101]
88	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C102]
89	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C103]
90	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C104]
91	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C105]
92	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C106]
93	VCCUCY1AJ105Z	AC	N	C	Capacitor (10V 1μF)	[C107]
94	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C108]
95	VCCCCY1HH100D	AA		C	Capacitor (50V 10pF)	[C109]
96	VCCCCY1HH100D	AA		C	Capacitor (50V 10pF)	[C110]
97	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C111-C113]
98	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C114]
99	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C115]
100	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C116]
101	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C117]
102	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C118]
103	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C119]
104	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C120]
105	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C121]
106	VCCCCY1HH100D	AA		C	Capacitor (50V 10pF)	[C122]
107	VCCCCY1HH100D	AA		C	Capacitor (50V 10pF)	[C123]
108	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C124]
109	VCCCCY1HH100D	AA		C	Capacitor (50V 10pF)	[C125]
110	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C127]
111	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C128]
112	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C129-C131]
113	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C132]
114	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C133]
115	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C134]
116	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C135]
117	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C136]
118	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C137]
119	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C138]
120	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C139]
121	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	(PC9070) [C140]
122	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C141]
123	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C142]
124	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C143]
125	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C144]
126	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C145]
127	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C146]
128	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C147]
129	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C148]
130	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C149]
131	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C150]
132	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	(PC9070) [C151-C154]
133	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C156]
134	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C157]
135	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C158]
136	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C159]
137	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C160]
138	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C161]
139	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C163]
140	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C164]
141	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C165]
142	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C166]
143	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C167]
144	VCCCCY1HH150J	AB		C	Capacitor (50V 15pF)	[C168]
145	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C169]
146	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C170]
147	VCCCCY1HH150J	AB		C	Capacitor (50V 15pF)	[C171]
148	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C172]
149	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C173]
150	VCCCCY1HH150J	AB		C	Capacitor (50V 15pF)	[C175]
151	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C176]
152	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C177]
153	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C178]
154	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C179]
155	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C180]
156	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C181]
157	VCKYCY1HB472K	AA		C	Capacitor (50V 4700pF)	[C182]
158	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C183]
159	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C184]
160	VCKYCY1EF104Z	AA		C	Capacitor (25V 0.1μF)	[C185]

7 CPU PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
161	VCKYCY1HB102K	AA		C	Capacitor (50V 1000pF)	[C186]
162	VCCCCY1HH150J	AB		C	Capacitor (50V 15pF)	[C187]
163	RC-CZ1061RC1A	AF	N	C	Capacitor (10V 10μF)	[C188~C192]
164	QCNCW1239ACAJ	AY	N	C	Connector (87BF-100R)	[CN1]
165	QCNCM2551RC0E	AE	N	C	Connector (53015-0510)	[CN2]
166	QCNCW1240ACED	AW	N	C	Connector (MM20-144B1)	[CN3~CN4]
167	RCŌRF1005ACZZ	AB		C	Core (BLM41A01)	[FB1~FB2]
168	RCŌRF1005ACZZ	AB		C	Core (BLM41A01)	(PC9070) [FB3]
169	VHiNJM2903M/-	AD		B	IC (NJM2903M)	[IC1]
170	VHi74CT2524//	AM	N	B	IC (74TC2524)	[IC3]
171	VHi74CT2524//	AM	N	B	IC (74TC2524)	[IC4]
172	VHi18160-6/7/	BY		B	IC (18160-6/7)	(PC9040) [IC5~IC8]
173	VHiUM61256-12	BA	N	B	IC (UM61256-12)	(PC9070) [IC9]
174	VHiHM3232FP-8	BN	N	B	IC (32KX32 SRAM)	(PC9070) [IC10]
175	VHiHM3232FP-8	BN	N	B	IC (32KX32 SRAM)	(PC9070) [IC11]
176	VHiSC1860AT-7	BX		B	IC (SC1860AT-7)	(PC9070) [IC12~IC15]
177	VHiP54CSLM120	DA	N	B	IC (P54CSLM120)	(PC9040) [IC101]
178	VHiP54CSLM133	DG	N	B	IC (P54CSLM133)	(PC9070) [IC101]
179	VHiUM8891BN/T	BF	N	B	IC (UM8891BN)	[IC104]
180	VHiUM8892BN/T	BF	N	B	IC (UM8892BN)	[IC105]
181	VSDTC144EU/-1	AB		B	Transistor (DTC 144EU)	[Q1]
182	VS2SJ317NY/-1	AG	N	B	Transistor (2SJ317NY)	[Q2]
183	VRS-CY1JD221J	AA		C	Resistor (220Ω)	[R1]
184	VRS-CY1JD000J	AA		C	Resistor (0Ω)	[R2]
185	VRS-CY1JD103J	AA		C	Resistor (10KΩ)	[R4]
186	VRS-CY1JD104J	AA		C	Resistor (100KΩ)	[R5]
187	VRS-CY1JD104J	AA		C	Resistor (100KΩ)	(PC9070) [R6~R7]
188	VRS-CY1JD000J	AA		C	Resistor (0Ω)	(PC9070) [R9]
189	VRS-CY1JD221J	AA		C	Resistor (220Ω)	(PC9070) [R10]
190	VRS-CY1JD271J	AA		C	Resistor (270Ω)	[R11]
191	VRS-CY1JD472J	AA		C	Resistor (4.7KΩ)	[R101]
192	VRS-CY1JD105J	AA		C	Resistor (1000KΩ)	[R102]
193	VRS-CY1JD104J	AA		C	Resistor (100KΩ)	[R103]
194	VRS-CY1JD473J	AA		C	Resistor (47KΩ)	[R104]
195	VRS-CY1JD103J	AA		C	Resistor (10KΩ)	[R105]
196	VRS-CY1JD472J	AA		C	Resistor (4.7KΩ)	[R106]
197	VRS-CY1JD105J	AA		C	Resistor (1000KΩ)	[R107]
198	VRS-CY1JD104J	AA		C	Resistor (100KΩ)	[R108]
199	VRS-CY1JD104J	AA		C	Resistor (100KΩ)	[R109]
200	VRS-CY1JD100J	AA		C	Resistor (10Ω)	[R110~R113]
201	VRS-CY1JD104J	AA		C	Resistor (100KΩ)	[R114]
202	VRS-CY1JD103J	AA		C	Resistor (10KΩ)	[R115]
203	VRS-CY1JD104J	AA		C	Resistor (100KΩ)	[R116]
204	VRS-CY1JD100J	AA		C	Resistor (10Ω)	[R117]
205	VRS-CY1JD100J	AA		C	Resistor (10Ω)	[R118]
206	VRS-CY1JD103J	AA		C	Resistor (10KΩ)	[R120]
207	VRS-CY1JD103J	AA		C	Resistor (10KΩ)	[R121]
208	VRS-CY1JD104J	AA		C	Resistor (100KΩ)	[R122]
209	VRS-CY1JD221J	AA		C	Resistor (220Ω)	[R123]
210	VRS-CY1JD221J	AA		C	Resistor (220Ω)	[R124]
211	VRS-CY1JD102J	AA		C	Resistor (1KΩ)	[R125]
212	VRS-CY1JD221J	AA		C	Resistor (220Ω)	[R126]
213	VRS-CY1JD000J	AA		C	Resistor (0Ω)	(PC9040) [R127]
214	VRS-CY1JD000J	AA		C	Resistor (0Ω)	(PC9070) [R128]
215	VHHNTHDRC104E	AE	N	B	Thermistor (NTHDRC104E)	[TH1]
	(Unit)					
901	CPWBZ1257AC04	DX	N	E	CPU PWB unit	(PC9040)
	CPWBZ1257AC05	EQ	N	E	CPU PWB unit	(PC9070)

8 Relay PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	0LA-103004602	AG		C	E-capacitor (100μF 16V DIP 16MV 100UG SANYO)	[C301~C303]
2	0LA-105023101	AC	N	C	MO-capacitor (0.1μF 16V 80-20% SMT0603 Y5V MURATA)	[C304~C306]
3	0LA-202042100	AV		C	Connector (CETRNIC-F 30 P DIP 8901-030-177LXK)	[CN301]
4	0LA-202042200	AX	N	C	Connector (CETRNIC-F 50 P DIP 8901-050-177LXK)	[CN302]
5	0LA-202042600	AW	N	C	Connector (60P 0.8 0° SMD 179031-2 AMP)	[CN303]
	(Unit)					
901	0LA-517011900	BN	N	E	Relay PWB unit	

9 LED-1 PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0LA-202016100	AK	N	C	Connector (8P 1.27 90° 53261-0890 MOL) [CN321]
2	VHPLT1E92A//-1	AD		B	LED (LT1E92A) [D321-D326]
	(Unit)				
901	0LA-517013801	AQ	N	E	LED1 PWB unit

10 LED-2 PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0LA-202028800	AE	N	C	Connector (WAFER-M 6P 1.25 0° DIP 53047-0610) [CN311]
2	VHPGL3EG8//-1	AA		B	LED (GL3EG8) [D311]
3	VHPGL3ED8//-1	AC		B	LED (GL3ED8) [D311]
4	VHPGL3EG8//-1	AA		B	LED (GL3EG8) [D312]
	(Unit)				
901	0LA-517012000	AN	N	E	LED-2 PWB unit

11 Power Switch PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0LA-202015500	AD	N	C	Connector (WAFER 2pin 1.2mm 90° 53048-0210 MOL) [CN331]
2	0LA-211031601	AE	N	B	Switch (PT-002-B1 PUSH TYPE DIP 4pin HO) [SW331]
	(Unit)				
901	0LA-517013900	AF	N	E	Power SW PWB unit

12 Cover SW PWB Unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0LA-211031700	AL	N	B	Switch (MPU-101-6 DIP 4P HORNG CHIH) [SW341]
2	0LA-222022300	AE	N	C	F-cable (COVER 2W 1H FOR AV-S) [JP341]
	(Unit)				
901	0LA-517014000	AL	N	E	Cover SW PWB unit

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PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
【C】					
CPWBZ1257AC04	1- 53	DX	N	E	
〃	7-901	DX	N	E	
CPWBZ1257AC05	1- 53	EQ	N	E	
〃	7-901	EQ	N	E	
【D】					
DUNTK3190ACZZ	3- 34	CE	N	E	
DUNTK3191ACZZ	2- 47	CF	N	E	
DUNTK3303ACZZ	1- 44	CU	N	E	
DUNTM3192ACZZ	1- 54	BA	N	C	
DUNTM3193ACZZ	1- 52	AK	N	C	
DUNTM3196ACZZ	1- 55	AM	N	C	
【H】					
HBDGB1011ACZZ	2- 8	AG	N	D	
【L】					
LX-BZ1007LCZB	2- 20	AB		C	
【P】					
PCOVP1003ACZZ	2- 24	AP	N	C	
PGUMZ1015ACZZ	2- 22	AP	N	C	
【Q】					
QCNCM2551RC0E	7-165	AE	N	C	
QCNCW1239ACAJ	7-164	AY	N	C	
QCNCW1240ACED	7-166	AW	N	C	
【R】					
RC-CZ1061RC1A	4-146	AF	N	C	
〃	4-147	AF	N	C	
〃	4-148	AF	N	C	
〃	4-149	AF	N	C	
〃	7- 25	AF	N	C	
〃	7- 32	AF	N	C	
〃	7- 37	AF	N	C	
〃	7- 39	AF	N	C	
〃	7- 47	AF	N	C	
〃	7- 56	AF	N	C	
〃	7- 71	AF	N	C	
〃	7- 82	AF	N	C	
〃	7- 92	AF	N	C	
〃	7- 94	AF	N	C	
〃	7-105	AF	N	C	
〃	7-139	AF	N	C	
〃	7-151	AF	N	C	
〃	7-156	AF	N	C	
〃	7-163	AF	N	C	
RC-EZ4761RC0J	7- 22	AL	N	C	
〃	7- 33	AL	N	C	
〃	7- 36	AL	N	C	
〃	7- 38	AL	N	C	
RCORF1005ACZZ	7-167	AB		C	
〃	7-168	AB		C	
RMPTQ4100QCJJ	7- 1	AC	N	B	
〃	7- 2	AC	N	B	
〃	7- 5	AC	N	B	
〃	7- 14	AC	N	B	
〃	7- 15	AC	N	B	
〃	7- 16	AC	N	B	
〃	7- 18	AC	N	B	
〃	7- 19	AC	N	B	
〃	7- 21	AC	N	B	
RMPTQ4103QCJJ	7- 3	AB		B	
〃	7- 4	AB		B	
〃	7- 6	AB		B	
〃	7- 8	AB		B	
〃	7- 11	AB		B	
〃	7- 12	AB		B	
〃	7- 17	AB		B	
RMPTQ4104QCJJ	7- 7	AB		B	
〃	7- 9	AB		B	
〃	7- 10	AB		B	
〃	7- 13	AB		B	
〃	7- 20	AB		B	
RUNT-1001YCZZ	4-207	BE		B	
【V】					
VCCCCY1HH100D	7- 95	AA		C	
〃	7- 96	AA		C	
〃	7-106	AA		C	
〃	7-107	AA		C	
〃	7-109	AA		C	
VCCCCY1HH150J	7- 28	AB		C	
〃	7- 68	AB		C	
〃	7-144	AB		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
VCCCCY1HH150J	7-147	AB		C	
〃	7-150	AB		C	
〃	7-162	AB		C	
VCCUCY1AJ105Z	7- 93	AC	N	C	
VCKYCY1EF104Z	7- 24	AA		C	
〃	7- 26	AA		C	
〃	7- 30	AA		C	
〃	7- 34	AA		C	
〃	7- 42	AA		C	
〃	7- 44	AA		C	
〃	7- 45	AA		C	
〃	7- 49	AA		C	
〃	7- 51	AA		C	
〃	7- 53	AA		C	
〃	7- 54	AA		C	
〃	7- 57	AA		C	
〃	7- 59	AA		C	
〃	7- 61	AA		C	
〃	7- 63	AA		C	
〃	7- 64	AA		C	
〃	7- 67	AA		C	
〃	7- 70	AA		C	
〃	7- 72	AA		C	
〃	7- 74	AA		C	
〃	7- 76	AA		C	
〃	7- 79	AA		C	
〃	7- 81	AA		C	
〃	7- 83	AA		C	
〃	7- 84	AA		C	
〃	7- 88	AA		C	
〃	7- 89	AA		C	
〃	7- 97	AA		C	
〃	7- 99	AA		C	
〃	7-102	AA		C	
〃	7-103	AA		C	
〃	7-108	AA		C	
〃	7-110	AA		C	
〃	7-112	AA		C	
〃	7-114	AA		C	
〃	7-115	AA		C	
〃	7-118	AA		C	
〃	7-120	AA		C	
〃	7-122	AA		C	
〃	7-123	AA		C	
〃	7-125	AA		C	
〃	7-127	AA		C	
〃	7-128	AA		C	
〃	7-131	AA		C	
〃	7-132	AA		C	
〃	7-134	AA		C	
〃	7-136	AA		C	
〃	7-137	AA		C	
〃	7-140	AA		C	
〃	7-143	AA		C	
〃	7-146	AA		C	
〃	7-148	AA		C	
〃	7-152	AA		C	
〃	7-154	AA		C	
〃	7-159	AA		C	
〃	7-160	AA		C	
VCKYCY1HB102K	7- 23	AA		C	
〃	7- 27	AA		C	
〃	7- 29	AA		C	
〃	7- 31	AA		C	
〃	7- 35	AA		C	
〃	7- 40	AA		C	
〃	7- 41	AA		C	
〃	7- 43	AA		C	
〃	7- 46	AA		C	
〃	7- 48	AA		C	
〃	7- 50	AA		C	
〃	7- 52	AA		C	
〃	7- 55	AA		C	
〃	7- 58	AA		C	
〃	7- 60	AA		C	
〃	7- 62	AA		C	
〃	7- 65	AA		C	
〃	7- 66	AA		C	
〃	7- 69	AA		C	
〃	7- 73	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
VCKYCY1HB102K	7- 75	AA		C	
〃	7- 77	AA		C	
〃	7- 78	AA		C	
〃	7- 80	AA		C	
〃	7- 85	AA		C	
〃	7- 86	AA		C	
〃	7- 87	AA		C	
〃	7- 90	AA		C	
〃	7- 91	AA		C	
〃	7- 98	AA		C	
〃	7-100	AA		C	
〃	7-101	AA		C	
〃	7-104	AA		C	
〃	7-111	AA		C	
〃	7-113	AA		C	
〃	7-116	AA		C	
〃	7-117	AA		C	
〃	7-119	AA		C	
〃	7-121	AA		C	
〃	7-124	AA		C	
〃	7-126	AA		C	
〃	7-129	AA		C	
〃	7-130	AA		C	
〃	7-133	AA		C	
〃	7-135	AA		C	
〃	7-138	AA		C	
〃	7-141	AA		C	
〃	7-142	AA		C	
〃	7-145	AA		C	
〃	7-149	AA		C	
〃	7-153	AA		C	
〃	7-155	AA		C	
〃	7-158	AA		C	
〃	7-161	AA		C	
VCKYCY1HB472K	7-157	AA		C	
VHHNTHDRC104E	7-215	AE	N	B	
VHiET514265J6	4-402	BH	N	B	
〃	4-409	BH	N	B	
VHiHM3232FP-8	7-174	BN	N	B	
〃	7-175	BN	N	B	
VHiLZ9AT32/-1	4-410	BA		B	
VHiMB8962-292	5-172	AX		B	
VHiNJM2903M/-	7-169	AD		B	
VHiP54CSLM120	7-177	DA	N	B	
VHiP54CSLM133	7-178	DG	N	B	
VHiSC1860AT-7	7-176	BX		B	
VHiUM61256-12	7-173	BA	N	B	
VHiUM8891BN/T	7-179	BF	N	B	
VHiUM8892BN/T	7-180	BF	N	B	
VHi18160-6/7/	7-172	BY		B	
VHi74CT2524//	7-170	AM	N	B	
〃	7-171	AM	N	B	
VHPGL3ED8//-1	10- 3	AC		B	
VHPGL3EG8//-1	10- 2	AA		B	
〃	10- 4	AA		B	
VHPLT1E92A/-1	9- 2	AD		B	
VRS-CY1JD000J	7-184	AA		C	
〃	7-188	AA		C	
〃	7-213	AA		C	
〃	7-214	AA		C	
VRS-CY1JD100J	7-200	AA		C	
〃	7-204	AA		C	
〃	7-205	AA		C	
VRS-CY1JD102J	7-211	AA		C	
VRS-CY1JD103J	7-185	AA		C	
〃	7-195	AA		C	
〃	7-202	AA		C	
〃	7-206	AA		C	
〃	7-207	AA		C	
VRS-CY1JD104J	7-186	AA		C	
〃	7-187	AA		C	
〃	7-193	AA		C	
〃	7-198	AA		C	
〃	7-199	AA		C	
〃	7-201	AA		C	
〃	7-203	AA		C	
〃	7-208	AA		C	
VRS-CY1JD105J	7-192	AA		C	
〃	7-197	AA		C	
VRS-CY1JD221J	7-183	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
VRS-CY1JD221J	7-189	AA		C	
〃	7-209	AA		C	
〃	7-210	AA		C	
〃	7-212	AA		C	
VRS-CY1JD271J	7-190	AA		C	
VRS-CY1JD472J	7-191	AA		C	
〃	7-196	AA		C	
VRS-CY1JD473J	7-194	AA		C	
VSDTC144EU/-1	7-181	AB		B	
VS2SJ317NY/-1	7-182	AG	N	B	
VVLLQ11S30/-1	2- 19	EQ		E	
VVLLQ12S02/-1	2- 19	EP		E	
【X】					
XBBSC20P08000	2- 23	AA		C	
XBBSC26P04000	2- 11	AA		C	
XBBSC26P06000	1- 18	AA		C	
〃	2- 16	AA		C	
【0】					
0LA-031006400	4-397	BG	N	B	
0LA-051016601	4-419	AK	N	B	
0LA-051021104	4-420	AF	N	B	
0LA-051021401	4-427	AG	N	B	
0LA-051042304	4-432	AL	N	B	
0LA-051044310	4-417	AK		B	
0LA-051047801	4-403	AF	N	B	
0LA-051047901	4-424	AP	N	B	
0LA-051048101	4-425	AG	N	B	
0LA-051048201	4-415	AG	N	B	
0LA-051048401	4-423	AF	N	B	
0LA-051049001	4-405	AG	N	B	
0LA-051049101	4-416	AP	N	B	
〃	4-428	AP	N	B	
〃	4-429	AP	N	B	
0LA-051049301	4-421	AF	N	B	
〃	4-437	AF	N	B	
0LA-052048202	4-400	BK	N	B	
0LA-052048400	4-433	BE	N	B	
0LA-052048500	4-418	BG	N	B	
0LA-052048600	4-412	AY	N	B	
0LA-052048700	4-401	BM	N	B	
0LA-052048900	4-411	BP	N	B	
0LA-052049000	4-426	AX	N	B	
0LA-052050701	4-404	AW	N	B	
0LA-052092502	6- 63	AZ		B	
0LA-053009810	4-422	AG		B	
0LA-053010600	5-169	AG	N	B	
0LA-053014901	4-434	AH	N	B	
0LA-053015200	4-399	AX		B	
0LA-053016001	4-391	AM		B	
0LA-053016600	5-168	AP	N	B	
0LA-053016602	4-438	AN	N	B	
0LA-053016801	4-435	AT	N	B	
〃	4-436	AT	N	B	
0LA-053020500	4-430	AY	N	B	
0LA-053021300	4-431	BE	N	B	
0LA-053022000	4-406	AH	N	B	
0LA-053022100	4-413	AK	N	B	
0LA-053022300	4-407	AW	N	B	
〃	4-408	AW	N	B	
0LA-053022701	5-177	AH	N	B	
〃	5-178	AH	N	B	
0LA-053023201	5-176	AH	N	B	
0LA-053024401	5-167	AK	N	B	
0LA-053025301	5-174	AM	N	B	
〃	6- 61	AM	N	B	
0LA-053026600	4-414	AN	N	B	
0LA-061001009	4-180	AC		B	
〃	4-181	AC		B	
〃	4-183	AC		B	
〃	4-184	AC		B	
〃	4-186	AC		B	
〃	4-187	AC		B	
〃	4-188	AC		B	
0LA-061004600	5- 38	AK	N	B	
〃	5- 40	AK	N	B	
〃	5- 51	AK	N	B	
〃	5- 52	AK	N	B	
〃	6- 20	AK	N	B	
〃	6- 21	AK	N	B	
0LA-061004705	6- 22	AF		B	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0LA-061004900	5- 42	AN	N	B	
〃	5- 45	AN	N	B	
0LA-061009400	5- 60	AC	N	B	
〃	6- 25	AC	N	B	
0LA-061010502	5- 53	AC	N	B	
〃	6- 24	AC	N	B	
0LA-061010801	5- 39	AC		B	
〃	5- 41	AC		B	
〃	5- 48	AC		B	
〃	5- 57	AC		B	
〃	6- 26	AC		B	
0LA-061010901	5- 43	AC	N	B	
0LA-061012201	4-185	AF	N	B	
0LA-061012301	4-179	AE	N	B	
〃	4-182	AE	N	B	
0LA-061012501	5- 44	AC	N	B	
〃	5- 56	AC	N	B	
0LA-061012701	5- 47	AF	N	B	
〃	5- 49	AF	N	B	
〃	5- 54	AF	N	B	
〃	5- 58	AF	N	B	
〃	6- 23	AF	N	B	
0LA-061012801	5- 46	AE	N	B	
〃	5- 50	AE	N	B	
0LA-061013001	5- 55	AE	N	B	
0LA-061013701	5- 61	AC	N	B	
0LA-061014200	5- 59	AC	N	B	
0LA-062000701	4-223	AC		B	
〃	4-224	AC		B	
〃	5- 70	AC		B	
〃	5- 76	AC		B	
〃	6- 37	AC		B	
〃	6- 38	AC		B	
0LA-062001800	5- 77	AC	N	B	
〃	5- 79	AC	N	B	
0LA-062002900	5- 75	AD	N	B	
〃	5- 81	AD	N	B	
〃	5- 90	AD	N	B	
0LA-062003302	4-393	AN		B	
〃	4-396	AN		B	
0LA-062003502	5- 69	AP		B	
0LA-062003700	5- 72	AD	N	B	
〃	5- 78	AD	N	B	
0LA-062005100	4-214	AE	N	B	
〃	4-215	AE	N	B	
0LA-062008701	4-394	AP	N	B	
〃	4-395	AP	N	B	
0LA-062009601	4-213	AF		B	
0LA-062010501	4-212	AC	N	B	
〃	4-218	AC	N	B	
〃	4-219	AC	N	B	
〃	4-222	AC	N	B	
0LA-062010701	4-217	AC	N	B	
〃	4-220	AC	N	B	
〃	4-221	AC	N	B	
〃	5- 88	AC	N	B	
0LA-062010801	5- 67	AC	N	B	
〃	5- 80	AC	N	B	
〃	5- 83	AC	N	B	
〃	5- 85	AC	N	B	
〃	5- 87	AC	N	B	
〃	5- 91	AC	N	B	
0LA-062011301	4-216	AG	N	B	
〃	6- 35	AG	N	B	
0LA-062011501	4-392	AN	N	B	
0LA-062012101	5- 86	AE	N	B	
〃	6- 36	AE	N	B	
0LA-062012401	6- 62	AS	N	B	
0LA-062012501	5-170	AP	N	B	
0LA-062012701	5-171	AP	N	B	
〃	5-175	AP	N	B	
0LA-062013000	4-225	AD	N	B	
〃	5- 71	AD	N	B	
〃	5- 73	AD	N	B	
〃	5- 82	AD	N	B	
〃	5- 89	AD	N	B	
〃	6- 34	AD	N	B	
0LA-062013901	5- 74	AH	N	B	
〃	5- 84	AH	N	B	
0LA-062014101	5- 68	AC	N	B	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0LA-103003303	5- 24	AQ	N	C	
0LA-103004102	6- 4	AS	N	C	
〃	6- 5	AS	N	C	
0LA-103004602	8- 1	AG		C	
0LA-103007601	6- 3	AH		C	
〃	6- 10	AH		C	
0LA-103007900	5- 19	AK	N	C	
〃	5- 21	AK	N	C	
0LA-103047800	5- 20	AN		C	
0LA-103047801	4-189	AN	N	C	
0LA-103049000	4-190	AL	N	C	
0LA-103049300	6- 1	AR	N	C	
〃	6- 2	AR	N	C	
0LA-105010800	5- 7	AC	N	C	
0LA-105014300	4- 57	AB	N	C	
0LA-105014301	5- 3	AC		C	
〃	5- 5	AC		C	
〃	5- 11	AC		C	
〃	5- 13	AC		C	
〃	5- 16	AC		C	
〃	5- 23	AC		C	
〃	5- 25	AC		C	
〃	5- 27	AC		C	
〃	5- 30	AC		C	
〃	5- 31	AC		C	
〃	5- 32	AC		C	
〃	6- 11	AC		C	
0LA-105020601	4- 68	AD		C	
〃	4- 74	AD		C	
〃	4-131	AD		C	
〃	4-132	AD		C	
〃	4-138	AD		C	
〃	5- 14	AD		C	
〃	5- 22	AD		C	
〃	5- 29	AD		C	
〃	6- 13	AD		C	
〃	6- 18	AD		C	
0LA-105021900	4- 99	AB		C	
〃	4-123	AB		C	
0LA-105022000	4- 44	AB		C	
〃	4- 47	AB		C	
〃	4- 50	AB		C	
〃	4- 52	AB		C	
〃	4- 54	AB		C	
〃	4- 56	AB		C	
〃	4- 58	AB		C	
〃	4- 87	AB		C	
〃	4- 92	AB		C	
〃	4- 95	AB		C	
〃	4- 97	AB		C	
〃	4-101	AB		C	
〃	4-103	AB		C	
0LA-105022100	4- 90	AB		C	
〃	4- 94	AB		C	
〃	4-104	AB		C	
〃	4-106	AB		C	
〃	4-109	AB		C	
〃	4-116	AB		C	
〃	4-137	AB		C	
0LA-105022200	4- 61	AC	N	C	
〃	4- 64	AC	N	C	
0LA-105022300	4- 69	AB		C	
〃	4- 72	AB		C	
〃	4- 78	AB		C	
〃	4-125	AB		C	
〃	5- 17	AB		C	
〃	6- 12	AB		C	
〃	6- 16	AB		C	
0LA-105022600	5- 8	AB		C	
〃	6- 9	AB		C	
0LA-105022602	4- 45	AC	N	C	
〃	4- 46	AC	N	C	
〃	4- 48	AC	N	C	
〃	4- 51	AC	N	C	
〃	4- 53	AC	N	C	
〃	4- 77	AC	N	C	
〃	4- 80	AC	N	C	
〃	4- 85	AC	N	C	
〃	4- 88	AC	N	C	
〃	4- 89	AC	N	C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0LA-105022602	4- 93	AC	N	C	
〃	4- 96	AC	N	C	
〃	4- 98	AC	N	C	
〃	4-102	AC	N	C	
〃	4-105	AC	N	C	
〃	4-107	AC	N	C	
〃	4-122	AC	N	C	
0LA-105022900	4- 62	AB		C	
〃	4- 65	AB		C	
〃	4- 83	AB		C	
〃	4-100	AB		C	
〃	4-119	AB		C	
〃	4-121	AB		C	
〃	4-126	AB		C	
0LA-105023100	4-140	AC		C	
〃	4-142	AC		C	
〃	4-144	AC		C	
〃	4-145	AC		C	
0LA-105023101	8- 2	AC	N	C	
0LA-105023200	4-120	AC	N	C	
0LA-105023203	5- 10	AC	N	C	
〃	5- 12	AC	N	C	
〃	5- 18	AC	N	C	
〃	5- 33	AC	N	C	
〃	6- 7	AC	N	C	
〃	6- 14	AC	N	C	
〃	6- 15	AC	N	C	
〃	6- 17	AC	N	C	
〃	6- 19	AC	N	C	
0LA-105024900	6- 8	AG		C	
0LA-105025201	5- 2	AK		C	
〃	5- 6	AK		C	
〃	5- 9	AK		C	
〃	6- 6	AK		C	
0LA-105025600	4- 59	AB		C	
0LA-105025901	4- 70	AC	N	C	
〃	4-134	AC	N	C	
0LA-105027200	4- 43	AC	N	C	
〃	4- 67	AC	N	C	
〃	4- 76	AC	N	C	
〃	4- 81	AC	N	C	
〃	4- 86	AC	N	C	
〃	4- 91	AC	N	C	
0LA-105027800	4- 66	AC		C	
〃	4- 71	AC		C	
〃	4- 79	AC		C	
〃	4- 82	AC		C	
〃	4- 84	AC		C	
〃	4-124	AC		C	
〃	4-127	AC		C	
〃	4-129	AC		C	
〃	4-133	AC		C	
〃	4-135	AC		C	
0LA-105028200	4- 49	AC	N	C	
〃	4- 55	AC	N	C	
〃	4- 60	AC	N	C	
〃	4-112	AC	N	C	
〃	4-115	AC	N	C	
0LA-105028300	4- 73	AC	N	C	
〃	4- 75	AC	N	C	
〃	4-113	AC	N	C	
〃	4-128	AC	N	C	
〃	4-130	AC	N	C	
0LA-105029800	4-110	AC		C	
0LA-105030200	4-136	AD	N	C	
〃	4-139	AD	N	C	
〃	4-141	AD	N	C	
〃	4-143	AD	N	C	
0LA-105030500	4-108	AC	N	C	
〃	4-111	AC	N	C	
〃	4-114	AC	N	C	
0LA-105030700	4-117	AC	N	C	
〃	4-118	AC	N	C	
0LA-105032100	4- 63	AC	N	C	
0LA-105068400	5- 1	AG	N	C	
〃	5- 4	AG	N	C	
〃	5- 15	AG	N	C	
〃	5- 26	AG	N	C	
〃	5- 28	AG	N	C	
0LA-111018800	5-160	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0LA-111025400	5- 94	AA		C	
〃	5-103	AA		C	
〃	5-145	AA		C	
0LA-111025900	5- 95	AA		C	
〃	5-110	AA		C	
〃	5-138	AA		C	
〃	5-141	AA		C	
0LA-111027600	6- 51	AC	N	C	
〃	6- 55	AC	N	C	
0LA-111029500	6- 58	AC	N	C	
0LA-111031600	5-107	AA		C	
〃	5-117	AA		C	
〃	6- 41	AA		C	
〃	6- 43	AA		C	
0LA-111031800	5- 93	AA		C	
〃	5-164	AA		C	
0LA-111032800	4-350	AC	N	C	
〃	5-134	AC	N	C	
0LA-111033000	4-272	AC	N	C	
〃	4-292	AC	N	C	
0LA-111033500	4-247	AA		C	
〃	4-252	AA		C	
〃	4-255	AA		C	
〃	4-256	AA		C	
〃	4-265	AA		C	
〃	4-274	AA		C	
〃	4-298	AA		C	
〃	4-305	AA		C	
〃	4-312	AA		C	
〃	4-337	AA		C	
〃	4-346	AA		C	
〃	4-369	AA		C	
〃	4-372	AA		C	
〃	4-387	AA		C	
〃	5-155	AA		C	
〃	5-166	AA		C	
0LA-111033600	4-240	AA		C	
〃	4-245	AA		C	
〃	4-250	AA		C	
〃	4-315	AA		C	
〃	4-317	AA		C	
〃	4-326	AA		C	
0LA-111033700	4-226	AA		C	
〃	4-233	AA		C	
〃	4-304	AA		C	
〃	4-306	AA		C	
〃	4-308	AA		C	
〃	4-331	AA		C	
〃	4-334	AA		C	
〃	4-343	AA		C	
〃	4-345	AA		C	
〃	4-381	AA		C	
0LA-111033900	4-368	AA		C	
0LA-111034100	4-239	AC	N	C	
〃	4-246	AC	N	C	
0LA-111034310	4-227	AC	N	C	
〃	4-228	AC	N	C	
〃	4-264	AC	N	C	
〃	4-273	AC	N	C	
〃	4-288	AC	N	C	
〃	4-311	AC	N	C	
〃	4-323	AC	N	C	
〃	4-336	AC	N	C	
〃	4-347	AC	N	C	
〃	4-360	AC	N	C	
〃	4-365	AC	N	C	
0LA-111034400	4-243	AA		C	
〃	4-258	AA		C	
0LA-111034500	5-125	AA		C	
〃	5-165	AA		C	
0LA-111034511	4-260	AC	N	C	
〃	4-262	AC	N	C	
〃	4-382	AC	N	C	
0LA-111034600	4-234	AA		C	
〃	4-287	AA		C	
〃	4-289	AA		C	
〃	4-310	AA		C	
0LA-111034800	4-230	AA		C	
〃	4-236	AA		C	
〃	4-238	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0LA-111034800	4-242	AA		C	
〃	4-261	AA		C	
〃	4-266	AA		C	
〃	4-277	AA		C	
〃	4-280	AA		C	
〃	4-283	AA		C	
〃	4-285	AA		C	
〃	4-291	AA		C	
〃	4-296	AA		C	
〃	4-299	AA		C	
〃	4-313	AA		C	
〃	4-316	AA		C	
〃	4-319	AA		C	
〃	4-320	AA		C	
〃	4-341	AA		C	
〃	4-353	AA		C	
〃	4-370	AA		C	
〃	4-374	AA		C	
〃	4-376	AA		C	
〃	4-378	AA		C	
〃	4-380	AA		C	
〃	4-388	AA		C	
〃	5- 98	AA		C	
〃	5-100	AA		C	
〃	5-131	AA		C	
〃	5-135	AA		C	
〃	5-150	AA		C	
〃	5-153	AA		C	
〃	5-161	AA		C	
〃	6- 47	AA		C	
0LA-111035100	6- 40	AA		C	
〃	6- 45	AA		C	
〃	6- 57	AA		C	
0LA-111035200	4-270	AA		C	
〃	4-276	AA		C	
〃	4-281	AA		C	
〃	4-286	AA		C	
〃	4-301	AA		C	
〃	4-351	AA		C	
〃	4-359	AA		C	
〃	4-362	AA		C	
〃	5-130	AA		C	
0LA-111035400	4-249	AA		C	
〃	4-275	AA		C	
〃	4-278	AA		C	
〃	4-290	AA		C	
〃	4-293	AA		C	
〃	5-112	AA		C	
〃	5-119	AA		C	
〃	5-137	AA		C	
0LA-111035600	5- 99	AA		C	
〃	5-113	AA		C	
〃	5-118	AA		C	
〃	5-121	AA		C	
〃	5-128	AA		C	
〃	5-146	AA		C	
〃	5-152	AA		C	
〃	5-157	AA		C	
〃	6- 44	AA		C	
〃	6- 46	AA		C	
〃	6- 50	AA		C	
0LA-111035610	4-231	AC	N	C	
〃	4-232	AC	N	C	
〃	4-235	AC	N	C	
〃	4-237	AC	N	C	
〃	4-248	AC	N	C	
〃	4-271	AC	N	C	
〃	4-279	AC	N	C	
〃	4-282	AC	N	C	
〃	4-284	AC	N	C	
〃	4-294	AC	N	C	
〃	4-297	AC	N	C	
〃	4-300	AC	N	C	
〃	4-303	AC	N	C	
〃	4-307	AC	N	C	
〃	4-309	AC	N	C	
〃	4-321	AC	N	C	
〃	4-335	AC	N	C	
〃	4-338	AC	N	C	
〃	4-340	AC	N	C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0LA-111035610	4-344	AC	N	C	
〃	4-349	AC	N	C	
〃	4-352	AC	N	C	
〃	4-361	AC	N	C	
〃	4-364	AC	N	C	
〃	4-366	AC	N	C	
〃	4-383	AC	N	C	
〃	4-386	AC	N	C	
0LA-111035700	4-259	AA		C	
〃	4-268	AA		C	
〃	4-324	AA		C	
〃	4-342	AA		C	
〃	4-348	AA		C	
〃	5-122	AA		C	
〃	5-127	AA		C	
〃	5-129	AA		C	
〃	5-140	AA		C	
〃	5-142	AA		C	
〃	5-151	AA		C	
〃	5-154	AA		C	
〃	5-162	AA		C	
0LA-111035800	5-126	AA		C	
0LA-111035900	4-257	AA		C	
〃	4-267	AA		C	
〃	4-269	AA		C	
〃	4-329	AA		C	
〃	4-339	AA		C	
0LA-111038500	5-109	AE		C	
〃	6- 42	AE		C	
〃	6- 54	AE		C	
0LA-111039700	5-101	AA		C	
〃	5-120	AA		C	
〃	5-124	AA		C	
〃	5-156	AA		C	
0LA-111039710	4-241	AC	N	C	
〃	4-314	AC	N	C	
〃	4-327	AC	N	C	
〃	4-332	AC	N	C	
〃	4-373	AC	N	C	
〃	4-375	AC	N	C	
〃	4-377	AC	N	C	
〃	4-379	AC	N	C	
0LA-111040800	4-367	AC	N	C	
0LA-111043700	5-123	AC	N	C	
0LA-111054900	4-244	AC	N	C	
〃	4-251	AC	N	C	
〃	4-263	AC	N	C	
〃	4-371	AC	N	C	
0LA-111055701	5-116	AC	N	C	
〃	5-163	AC	N	C	
〃	6- 48	AC	N	C	
〃	6- 49	AC	N	C	
0LA-111057600	5- 97	AC	N	C	
0LA-111062000	6- 56	AC	N	C	
0LA-111062400	4-295	AA		C	
〃	5-104	AA		C	
0LA-111066901	6- 52	AC	N	C	
0LA-111069300	4-229	AB		C	
〃	4-355	AB		C	
〃	4-357	AB		C	
0LA-111074300	4-333	AC	N	C	
0LA-111074400	4-302	AC	N	C	
0LA-111074500	6- 39	AC	N	C	
0LA-111075001	5-136	AC	N	C	
0LA-111075100	5-114	AC	N	C	
0LA-111075301	4-385	AC	N	C	
〃	5-132	AC	N	C	
0LA-111075501	5-111	AC	N	C	
〃	5-144	AC	N	C	
〃	5-149	AC	N	C	
0LA-111076800	4-253	AC	N	C	
0LA-111077700	4-254	AC	N	C	
0LA-111077800	4-354	AC	N	C	
〃	4-356	AC	N	C	
〃	4-358	AC	N	C	
0LA-111078200	5-133	AC	N	C	
0LA-111078301	5-108	AC	N	C	
0LA-111078700	4-363	AC	N	C	
0LA-111079000	4-325	AC	N	C	
〃	4-328	AC	N	C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0LA-111079100	5- 92	AC	N	C	
0LA-111079200	5-159	AC	N	C	
0LA-111079300	5-106	AC	N	C	
0LA-111079400	5-158	AC	N	C	
0LA-111079500	5-115	AC	N	C	
〃	5-143	AC	N	C	
〃	5-147	AC	N	C	
〃	5-148	AC	N	C	
0LA-111080800	5- 96	AC	N	C	
0LA-111080900	6- 53	AC	N	C	
0LA-111081000	4-209	AC	N	C	
0LA-111082000	5-139	AC	N	C	
0LA-111082100	5-105	AC	N	C	
0LA-111082200	4-384	AC	N	C	
0LA-112014700	4- 6	AC	N	B	
〃	4- 12	AC	N	B	
〃	4- 17	AC	N	B	
〃	4- 21	AC	N	B	
〃	4- 23	AC	N	B	
〃	4- 26	AC	N	B	
〃	4- 29	AC	N	B	
〃	4- 30	AC	N	B	
〃	4- 42	AC	N	B	
0LA-112014900	4- 4	AC	N	B	
〃	4- 11	AC	N	B	
〃	4- 40	AC	N	B	
0LA-112015000	4- 41	AC	N	B	
0LA-112015100	4- 7	AC	N	B	
〃	4- 15	AC	N	B	
〃	4- 18	AC	N	B	
〃	4- 20	AC	N	B	
〃	4- 37	AC	N	B	
0LA-112015200	4- 2	AC	N	B	
〃	4- 10	AC	N	B	
0LA-112015300	4- 25	AC	N	B	
0LA-112016300	4- 16	AC	N	B	
〃	4- 22	AC	N	B	
〃	4- 28	AC	N	B	
〃	4- 31	AC	N	B	
〃	4- 32	AC	N	B	
〃	4- 35	AC	N	B	
〃	4- 38	AC	N	B	
〃	4- 39	AC	N	B	
0LA-112016500	4- 3	AC	N	B	
〃	4- 9	AC	N	B	
〃	4- 14	AC	N	B	
0LA-112017200	4- 13	AC	N	B	
0LA-112017800	4- 27	AC	N	B	
0LA-112018001	4- 34	AC	N	B	
〃	4- 36	AC	N	B	
0LA-112018400	4- 5	AC	N	B	
〃	4- 8	AC	N	B	
〃	4- 19	AC	N	B	
〃	4- 24	AC	N	B	
〃	4- 33	AC	N	B	
0LA-119001402	4-439	AN	N	B	
0LA-119001500	5-102	AG	N	C	
0LA-120010100	6- 33	AM	N	C	
0LA-120010200	5- 66	AM	N	C	
0LA-120012600	1- 19	BY	N	C	
0LA-120012800	2- 9	BH	N	E	
0LA-120012900	6- 60	AS	N	B	
0LA-120013100	4-210	AH	N	C	
0LA-120013900	4-208	AH	N	C	
0LA-201003503	4-398	AL		C	
0LA-201008207	4-158	AG	N	C	
0LA-202013400	4-153	AL		C	
〃	4-162	AL		C	
0LA-202013500	4-150	AG		C	
〃	4-156	AG		C	
〃	4-163	AG		C	
0LA-202014900	4-166	AH		C	
0LA-202015500	11- 1	AD	N	C	
0LA-202016100	9- 1	AK	N	C	
0LA-202020900	4-151	AG	N	C	
0LA-202021101	4-174	AG	N	C	
0LA-202028100	4-160	AY	N	C	
0LA-202028103	4-161	BD	N	C	
0LA-202028200	5- 34	AD	N	C	
0LA-202028800	10- 1	AE	N	C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0LA-202029900	4-165	AL	N	C	
0LA-202030100	4-155	AF		C	
0LA-202036101	4-178	AN	N	C	
0LA-202036600	4-168	AN		C	
0LA-202036800	4-167	AL		C	
0LA-202037100	4-157	AQ		C	
0LA-202037600	4-154	AY	N	C	
0LA-202037700	4-152	AL	N	C	
0LA-202037800	4-164	AN	N	C	
0LA-202037900	4-175	AE	N	C	
0LA-202038100	4-177	AS	N	C	
0LA-202038200	4-169	AZ	N	C	
0LA-202038400	4-176	AY	N	C	
0LA-202038500	4-171	AW	N	C	
0LA-202038900	5- 37	AZ	N	C	
0LA-202041500	4-172	AU		C	
0LA-202041900	4-159	BD		C	
0LA-202042000	4-170	AU		C	
〃	4-173	AU		C	
0LA-202042100	8- 3	AV		C	
0LA-202042200	8- 4	AX	N	C	
0LA-202042300	5- 65	AH	N	C	
0LA-202042400	6- 30	AG	N	C	
〃	6- 31	AG	N	C	
0LA-202042500	5- 36	AC	N	C	
0LA-202042600	8- 5	AW	N	C	
0LA-202045100	6- 32	AE	N	C	
0LA-211001015	4-191	AK	N	A	
〃	4-195	AK	N	A	
0LA-211003200	5- 62	AK		A	
0LA-211003701	4-194	AF	N	A	
0LA-211022500	4-196	AK	N	A	
〃	4-198	AK	N	A	
0LA-211030500	4-389	AL		B	
〃	4-390	AL		B	
0LA-211031401	6- 59	AK	N	B	
0LA-211031601	11- 2	AE	N	B	
0LA-211031700	12- 1	AL	N	B	
0LA-211031900	4-193	AK	N	A	
0LA-211032000	4-192	AK	N	A	
0LA-211032100	4-197	AK	N	A	
0LA-212001702	2- 6	AL	N	B	
0LA-212006101	1- 4	BA	N	B	
0LA-214011500	4-447	AG		B	
0LA-214011601	4-446	AF	N	B	
0LA-214012901	4-445	AH	N	B	
0LA-214013001	4-440	AT	N	B	
0LA-214013201	4-442	AR	N	B	
0LA-214013401	4-444	AT	N	B	
0LA-214013501	4-443	AT	N	B	
0LA-214013601	4-441	AS	N	B	
0LA-214013700	5-173	AL	N	B	
0LA-219012400	5- 64	AD		C	
〃	6- 27	AD		C	
〃	6- 28	AD		C	
〃	6- 29	AD		C	
0LA-219012601	5- 63	AE	N	C	
0LA-219014001	4- 1	AD		C	
0LA-219019401	4-200	AE	N	C	
〃	4-202	AE	N	C	
〃	4-204	AE	N	C	
〃	4-206	AE	N	C	
0LA-219020400	4-199	AF	N	C	
〃	4-201	AF	N	C	
〃	4-203	AF	N	C	
〃	4-205	AF	N	C	
0LA-219022500	1- 46	BB	N	B	
0LA-219023500	4-318	AD	N	C	
〃	4-322	AD	N	C	
〃	4-330	AD	N	C	
0LA-219033400	4-211	AF	N	C	
0LA-221010421	5-179	AC	N	C	
0LA-221010425	5-180	AC	N	C	
0LA-221022000	3- 14	AQ	N	C	
0LA-221022300	3- 15	AL	N	C	
0LA-222020900	1- 45	BG	N	C	
0LA-222021000	2- 41	BA	N	C	
0LA-222021200	2- 45	BE	N	C	
0LA-222021300	1- 56	AN	N	C	
0LA-222021911	2- 18	BA	N	C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0LA-222022001	2- 10	AL	N	C	
0LA-222022200	2- 7	AL	N	C	
0LA-222022300	12- 2	AE	N	C	
0LA-222022400	2- 31	AN	N	C	
0LA-222022500	2- 34	AL	N	C	
0LA-222022600	1- 50	AG	N	C	
0LA-222022700	5- 35	AK	N	C	
0LA-222024200	2- 17	BG	N	C	
0LA-231009301	2- 42	BW	N	E	
0LA-241007500	1- 2	AA		C	
〃	1- 16	AA		C	
〃	2- 23	AA		C	
0LA-241008000	1- 43	AA		C	
0LA-241008100	1- 17	AA		C	
〃	4-448	AA		C	
0LA-241008200	1- 6	AA		C	
〃	2- 40	AA		C	
0LA-241008400	4-449	AA		C	
0LA-241008600	2- 35	AA		C	
0LA-241014300	1- 70	AB		C	
0LA-241014401	2- 13	AB		C	
0LA-241014700	2- 37	AB		C	
0LA-241018400	1- 20	AE	N	C	
0LA-241018500	1- 12	AD	N	C	
0LA-241018600	2- 46	AC	N	C	
0LA-241019400	2- 39	AC	N	C	
0LA-241020000	4-453	AD	N	C	
0LA-241020600	2- 51	AC	N	C	
0LA-244040050	1- 33	AG	N	C	
〃	1- 40	AG	N	C	
0LA-244040250	1- 22	AF	N	C	
0LA-244062400	1- 1	BE	N	C	
0LA-244062500	1- 41	BH	N	C	
0LA-244063000	2- 44	AU	N	C	
0LA-244063100	2- 38	AR	N	C	
0LA-244063200	2- 43	AT	N	C	
0LA-244063300	1- 42	AQ	N	C	
0LA-244063400	1- 59	BB	N	C	
0LA-244063500	1- 27	AG	N	C	
0LA-244063600	1- 26	AG	N	C	
0LA-244063700	3- 17	AH	N	D	
0LA-244063800	1- 30	AL	N	C	
0LA-244063900	1- 39	AL	N	C	
0LA-244064000	1- 25	AQ	N	C	
0LA-244064100	1- 24	AG	N	C	
0LA-244064200	1- 48	AG	N	C	
0LA-244064300	2- 3	AG	N	C	
0LA-244064400	2- 2	AG	N	C	
0LA-244064500	1- 29	AF	N	C	
0LA-244064600	1- 34	AF	N	C	
0LA-244064700	1- 10	AG	N	C	
0LA-244064800	1- 28	AE	N	C	
0LA-244064810	1- 51	AE	N	C	
0LA-244064900	1- 57	AM	N	C	
0LA-244065000	2- 26	AM	N	C	
0LA-244065100	2- 36	AM	N	C	
0LA-244065200	2- 27	AU	N	C	
0LA-244065300	2- 32	AF	N	C	
0LA-244065400	2- 29	AF	N	C	
0LA-244065500	1- 60	AL	N	C	
0LA-244069900	1- 35	AG	N	C	
0LA-244070000	1- 36	AG	N	C	
0LA-245015700	1- 8	AT	N	C	
〃	4-450	AT	N	C	
0LA-245017800	2- 48	AP	N	C	
0LA-248019700	4-451	AD		C	
0LA-248020000	1- 23	AB		C	
0LA-248050600	2- 15	AU	N	C	
0LA-248050700	2- 14	AU	N	C	
0LA-248050800	2- 4	AC	N	C	
0LA-248051000	1- 3	AE	N	C	
0LA-248051100	2- 5	AC	N	C	
0LA-248051200	1- 47	AE	N	C	
0LA-248052300	1- 31	AC	N	C	
0LA-248056600	1- 37	AC	N	C	
0LA-251043600	3- 28	AD	N	D	
0LA-251043900	3- 30	AF		D	
0LA-251044000	3- 29	AD	N	D	
0LA-251044100	3- 2	AG	N	D	
0LA-252012101	3- 37	AD		D	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0LA-252050800	3- 36	AG		D	
0LA-252050900	3- 18	AC		D	
0LA-252073200	3- 38	AP	N	D	
0LA-252073300	3- 39	AP	N	D	
0LA-252073400	3- 21	AL	N	D	
0LA-252073500	3- 20	AS	N	D	
0LA-252075500	5-181	AC	N	C	
0LA-254079200	2- 50	AE	N	C	
0LA-254085700	3- 9	AD	N	D	
0LA-517011900	1- 21	BN	N	E	
〃	8-901	BN	N	E	
0LA-517012000	2- 33	AN	N	E	
〃	10-901	AN	N	E	
0LA-517012100	1- 13	BX	N	E	
〃	5-901	BX	N	E	
0LA-517012200	1- 9	DL	N	E	
〃	4-901	DL	N	E	
0LA-517013700	1- 15	BS	N	E	
〃	6-901	BS	N	E	
0LA-517013801	2- 30	AQ	N	E	
〃	9-901	AQ	N	E	
0LA-517013900	1- 49	AF	N	E	
〃	11-901	AF	N	E	
0LA-517014000	2- 28	AL	N	E	
〃	12-901	AL	N	E	
0LA-712008702	1- 58	BN	N	E	
0LA-713030802	1- 61	BN	N	E	