SERVICE MANUAL

M740J / M740JU / M760J / M760JU

notebook

Notebook Computer

M740J/M740JU/M760J/M760JU

Service Manual

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About this Manual

This manual is intended for service personnel who have completed sufficient training to undertake the maintenance and inspection of personal computers.

It is organized to allow you to look up basic information for servicing and/or upgrading components of the ***M740J/ M740JU/M760J/M760JU*** series notebook PC.

The following information is included:

Chapter 1, Introduction, provides general information about the location of system elements and their specifications.
Chapter 2, Disassembly, provides step-by-step instructions for disassembling parts and subsystems and how to upgrade elements of the system.

Appendix A, Part Lists
Appendix B, Schematic Diagrams

IMPORTANT SAFETY INSTRUCTIONS

Follow basic safety precautions, including those listed below, to reduce the risk of fire, electric shock and injury to persons when using any electrical equipment:

1. Do not use this product near water, for example near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electrical shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
5. This product is intended to be supplied by a Listed Power Unit with an AC Input of 100 - 240V, 50 - 60Hz, DC Output of 19V, 3.42A (**65** Watts) minimum AC/DC Adapter for **M740J/M760J** computers, **OR** 19V, 4.74A (**90** Watts) minimum AC/DC Adapter for **M740JU/M760JU** computers.

CAUTION

Always disconnect all telephone lines from the wall outlet before servicing or disassembling this equipment.

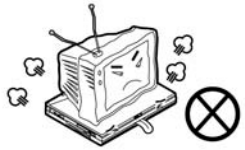
TO REDUCE THE RISK OF FIRE, USE ONLY NO. 26 AWG OR LARGER, TELECOMMUNICATION LINE CORD

This Computer's Optical Device is a Laser Class 1 Product

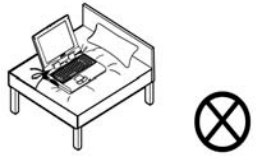
Instructions for Care and Operation

The notebook computer is quite rugged, but it can be damaged. To prevent this, follow these suggestions:

1. **Don't drop it, or expose it to shock.** If the computer falls, the case and the components could be damaged.

Do not expose the computer to any shock or vibration.	*Do not place it on an unstable surface.*	*Do not place anything heavy on the computer.*
		

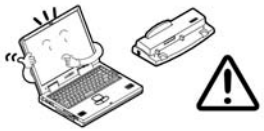
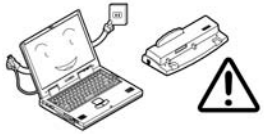
2. **Keep it dry, and don't overheat it.** Keep the computer and power supply away from any kind of heating element. This is an electrical appliance. If water or any other liquid gets into it, the computer could be badly damaged.

Do not expose it to excessive heat or direct sunlight.	*Do not leave it in a place where foreign matter or moisture may affect the system.*	*Don't use or store the computer in a humid environment.*	*Do not place the computer on any surface which will block the vents.*
			

3. **Follow the proper working procedures for the computer**. Shut the computer down properly and don't forget to save your work. Remember to periodically save your data as data may be lost if the battery is depleted.

Do not turn off the power until you properly shut down all programs.	*Do not turn off any peripheral devices when the computer is on.*	*Do not disassemble the computer by yourself.*	*Perform routine maintenance on your computer.*
			

4. **Avoid interference.** Keep the computer away from high capacity transformers, electric motors, and other strong magnetic fields. These can hinder proper performance and damage your data.
5. **Take care when using peripheral devices**.

Use only approved brands of peripherals.	*Unplug the power cord before attaching peripheral devices.*
	

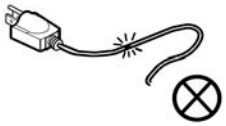
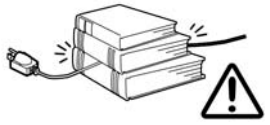
Power Safety

The computer has specific power requirements:

- Only use a power adapter approved for use with this computer.
- Your AC adapter may be designed for international travel but it still requires a steady, uninterrupted power supply. If you are unsure of your local power specifications, consult your service representative or local power company.
- The power adapter may have either a 2-prong or a 3-prong grounded plug. The third prong is an important safety feature; do not defeat its purpose. If you do not have access to a compatible outlet, have a qualified electrician install one.
- When you want to unplug the power cord, be sure to disconnect it by the plug head, not by its wire.
- Make sure the socket and any extension cord(s) you use can support the total current load of all the connected devices.
- Before cleaning the computer, make sure it is disconnected from any external power supplies.

Power Safety Warning

Before you undertake any upgrade procedures, make sure that you have turned off the power, and disconnected all peripherals and cables (including telephone lines). It is advisable to also remove your battery in order to prevent accidentally turning the machine on.

Do not plug in the power cord if you are wet.	*Do not use the power cord if it is broken.*	*Do not place heavy objects on the power cord.*
		

Battery Precautions

- Only use batteries designed for this computer. The wrong battery type may explode, leak or damage the computer.
- Do not remove any batteries from the computer while it is powered on.
- Do not continue to use a battery that has been dropped, or that appears damaged (e.g. bent or twisted) in any way. Even if the computer continues to work with a damaged battery in place, it may cause circuit damage, which may possibly result in fire.
- Recharge the batteries using the notebook's system. Incorrect recharging may make the battery explode.
- Do not try to repair a battery pack. Refer any battery pack repair or replacement to your service representative or qualified service personnel.
- Keep children away from, and promptly dispose of a damaged battery. Always dispose of batteries carefully. Batteries may explode or leak if exposed to fire, or improperly handled or discarded.
- Keep the battery away from metal appliances.
- Affix tape to the battery contacts before disposing of the battery.
- Do not touch the battery contacts with your hands or metal objects.

Battery Disposal

The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

Caution

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used battery according to the manufacturer's instructions.

Related Documents

You may also need to consult the following manual for additional information:

User's Manual on CD
This describes the notebook PC's features and the procedures for operating the computer and its ROM-based setup program. It also describes the installation and operation of the utility programs provided with the notebook PC.

Contents

Chapter 1: Introduction

Overview

This manual covers the information you need to service or upgrade the ***M740J/M740JU/M760J/M760JU*** series notebook computer. Information about operating the computer (e.g. getting started, and the *Setup* utility) is in the *User's Manual*. Information about drivers (e.g. VGA & audio) is also found in *User's Manual*. That manual is shipped with the computer.

Operating systems (e.g. *Windows XP*, *Windows Vista*, etc.) have their own manuals as do application software (e.g. word processing and database programs). If you have questions about those programs, you should consult those manuals.

The ***M740J/M740JU/M760J/M760JU*** series notebook is designed to be upgradeable. See ***"Disassembly" on page 2 - 1*** for a detailed description of the upgrade procedures for each specific component. Please note the warning and safety information indicated by the "  " symbol.

The balance of this chapter reviews the computer's technical specifications and features.

System Specifications

Feature	Specification	
Processor	AMD Turion™ X2 Ultra Dual Core Processor (638-pin) Micro-PGA Package, Socket S1G2 **ZM80/ ZM82/ ZM83/ ZM86**	65nm (65 Nanometer) Process Technology 2MB L2 Cache & 800MHz FSB, TDP: 35W 2.1/ 2.2/ 2.3/ 2.4 GHz
	AMD Turion™X2 Dual Core Processor (638-pin) Micro-PGA Package, Socket S1G2 **RM70/ RM72/ RM74**	65nm (65 Nanometer) Process Technology 1MB L2 Cache & 800MHz FSB, TDP: 35W 2.0/ 2.1/ 2.2 GHz
	AMD Turion™X2 Dual Core Processor (638-pin) Micro-PGA Package, Socket S1G2 **QL60/ QL62/ QL64**	65nm (65 Nanometer) Process Technology 1MB L2 Cache & 667MHz FSB, TDP: 35W 1.9/ 2.0/ 2.1 GHz
	AMD Sempron™ Processor (638-pin) Micro-PGA Package, Socket S1G2 **SI40/ SI42/ SI44**	65nm (65 Nanometer) Process Technology 512KB L2 Cache & 667MHz FSB, TDP: 25W 2.0/ 2.1/ 2.2 GHz
Core Logic	**ATI®** RS780MN + SB700	
LCD	**M740J/M740JU:** 14.1" WXGA (1280*800)/ WXGA+ (1440*900) TFT LCD	**M760J/M760JU:** 15.4" WXGA (1280*800)/ WXGA+ (1440*900)/ WSXGA+ (1680*1050) TFT LCD
Memory	64-bit Wide **DDRII (DDR2)** Data Channel Two 200 Pin SO-DIMM Sockets Supporting **DDRII (DDR2**) **667MHz/ 800MHz** Memory Expandable up to **4GB** (1024MB/ 2048MB **DDRII** Modules)	
Video Adapter	**M740J/M760J:** **ATI® RS780M Integrated Video** High Preference 2D/3D Graphic Accelerator Shared Memory Architecture of up to **256MB** Supports DirectX®10	**M740JU/M760JU:** **ATI Mobility Radeon HD 3470 Hybird X2 Discrete Video On-Board** **256MB** of **GDDR2** Video Memory On-Board Integrated HDMI & Unified Video Controller Supports Cross Fire (In ***Windows Vista*** only) Supports DirectX® 10
Security	Security (Kensington® Type) Lock Slot Fingerprint ID Reader Module (**Factory Option**)	BIOS Password
BIOS	One 8Mb SPI Flash ROM	Phoenix™ BIOS

Feature	Specification	
Storage	One Changeable 12.7mm(h) **PATA** Optical Device (CD/DVD) Type Drive (see *"Optional" on page 1 - 4*) Easy Changeable 2.5" 9.5 mm (h) **SATA** (Serial) HDD	
Audio	High Definition Audio 3D Enhanced Sound System Sound-Blaster PRO™ Compatible	S/PDIF Digital Output 2 * Built-In Speakers Built-In Microphone
Keyboard & Pointing Device	Winkey Keyboard	Built-In TouchPad with Scrolling Function
Interface	Three USB 2.0 Ports One External Monitor Port One HDMI-Out Port (High-Definition Multimedia Interface) One Headphone-Out Jack One Microphone-In Jack One S/PDIF-Out Jack	One eSATA Port (supported in ***Windows Vista*** only): AHCI mode supports hot swapping IDE mode does not support hot swapping One RJ-11 Modem Jack One RJ-45 LAN Jack One DC-In Jack
Card Reader	Embedded 7-in-1 Card Reader (MS/ MS Pro/ SD/ Mini SD/ MMC/ RS MMC/ MS Duo) **Note:** MS Duo/ Mini SD/ RS MMC Cards require a PC adapter	
ExpressCard Slot	One ExpressCard/34(54) Slot	
Mini-Card Slots	One Mini-Card Slot for **Wireless LAN Module** One Mini-Card Slot for **3.5G Module**	
Communication **UMTS Modes** Note that UMTS modes CAN NOT be used in North America.	56K Fax Modem Built-in 10/100/1000Mb Base-TX Ethernet LAN 802.11b/g Wireless LAN Mini-Card Module with USB/PCIe Interface (**Option**) Bluetooth 2.0 + EDR (Enhanced Data Rate) Module (**Factory Option**) 1.3M or 2.0M Pixel PC Camera Module with USB Interface (**Factory Option**) **3.5G Module:** UMTS/HSPDA-based 3.5G Mini-Card Module with USB Interface (**Factory Option**) Quad-band GSM/GPRS (850 MHz, 900 MHz, 1800 MHz, 1900 MHz) UMTS WCDMA FDD (2100 MHz)	
Power Management	Supports ACPI v2.0	Supports Wake on LAN

Feature	Specification	
Power	**M740J/M760J:** Full Range AC/DC Adapter AC input 100 - 240V, 50 - 60Hz, DC Output 19V, 3.42A or 18.5V, 3.5A (**65** Watts)	**M740JU/M760JU:** Full Range AC/DC Adapter AC input 100 - 240V, 50 - 60Hz, DC Output 19V, 4.74A (**90** Watts)
Battery	6 Cell Smart Lithium-Ion Battery Pack, 4000mAH **OR** 4400mAH	
Environmental Spec	Temperature Operating: 5°C - 35°C Non-Operating: -20°C - 60°C	Relative Humidity Operating: 20% - 80% Non-Operating: 10% - 90%
Dimensions & Weight	**M740J/M740JU:** 336mm (w) * 250mm (d) * 24.8-35.7mm (h) Around 2.3 kg With 6 Cell Battery	**M760J/M760JU:** 359mm (w) * 268mm (d) * 24.8-37mm (h) 2.6 kg With 6 Cell Battery
Optional	**PATA Optical Drive Module Options:** DVD/CD-RW Combo Device Module Super Multi Device Module 802.11b/g Wireless LAN Mini-Card Module with USB/PCIe Interface 1.3M or 2.0M Pixel PC Camera Module with USB Interface (**Factory Option**) Fingerprint ID Reader Module (**Factory Option**) Bluetooth 2.0 + EDR (Enhanced Data Rate) Module (**Factory Option**)	UMTS/HSPDA-based 3.5G Mini-Card Module with USB Interface (**Factory Option**) Quad-band GSM/GPRS (850 MHz, 900 MHz, 1800 MHz, 1900 MHz) UMTS WCDMA FDD (2100 MHz) **UMTS Modes** Note that UMTS modes CAN NOT be used in North America.

External Locator - Top View with LCD Panel Open

M740J/M740JU

M760J/M760JU

Figure 1
Top View

1. Optional Built-In PC Camera
2. LCD
3. Speakers
4. Power Button
5. Hot Key Buttons
6. Keyboard
7. Built-In Microphone
8. Touchpad & Buttons
9. Fingerprint Module (Optional)
10. LED Indicators

External Locator - Front & Right side Views

Figure 2
Front Views

1. LED Indicators

Figure 3
Right Side Views

1. S/PDIF-Out Jack
2. Microphone-In Jack
3. Headphone-Out Jack
4. USB 2.0 Port
5. Optical Device Drive Bay
6. RJ-11 Phone Jack
7. Security Lock Slot

External Locator - Left Side & Rear View

Figure 4
Left Side View

1. DC-In Jack
2. External Monitor Port
3. RJ-45 LAN Jack
4. e-SATA Port
5. HDMI-Out Port
6. Vent
7. 2 * USB 2.0 Ports
8. ExpressCard Slot
9. 7-in-1 Card Reader

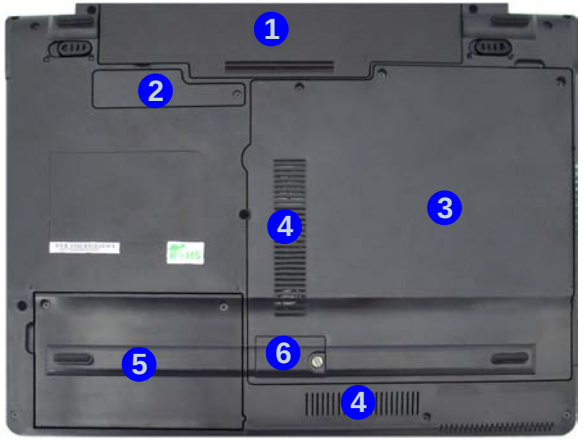
Figure 5
Rear View

1. Battery

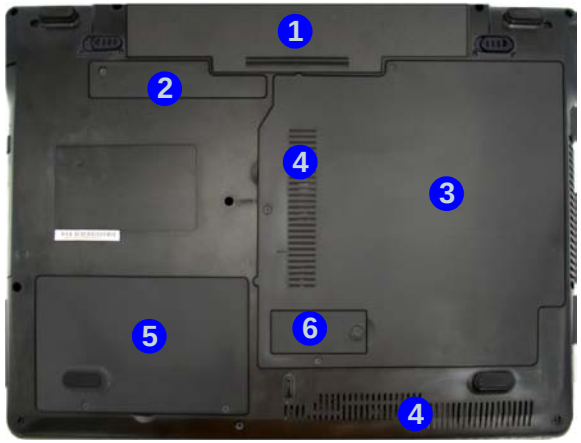
External Locator - Bottom View

Figure 6
Bottom View

1. Battery
2. Bluetooth Module Cover
3. RAM & CPU Bay Cover
4. Vent
5. Hard Disk Bay Cover
6. 3.5G USIM Card Cover



M740J/M740JU



M760J/M760JU

Overheating

To prevent your computer from overheating make sure nothing blocks the vent/fan intakes while the computer is in use.

Mainboard Overview - Top (M74J/M76J-Key Parts)

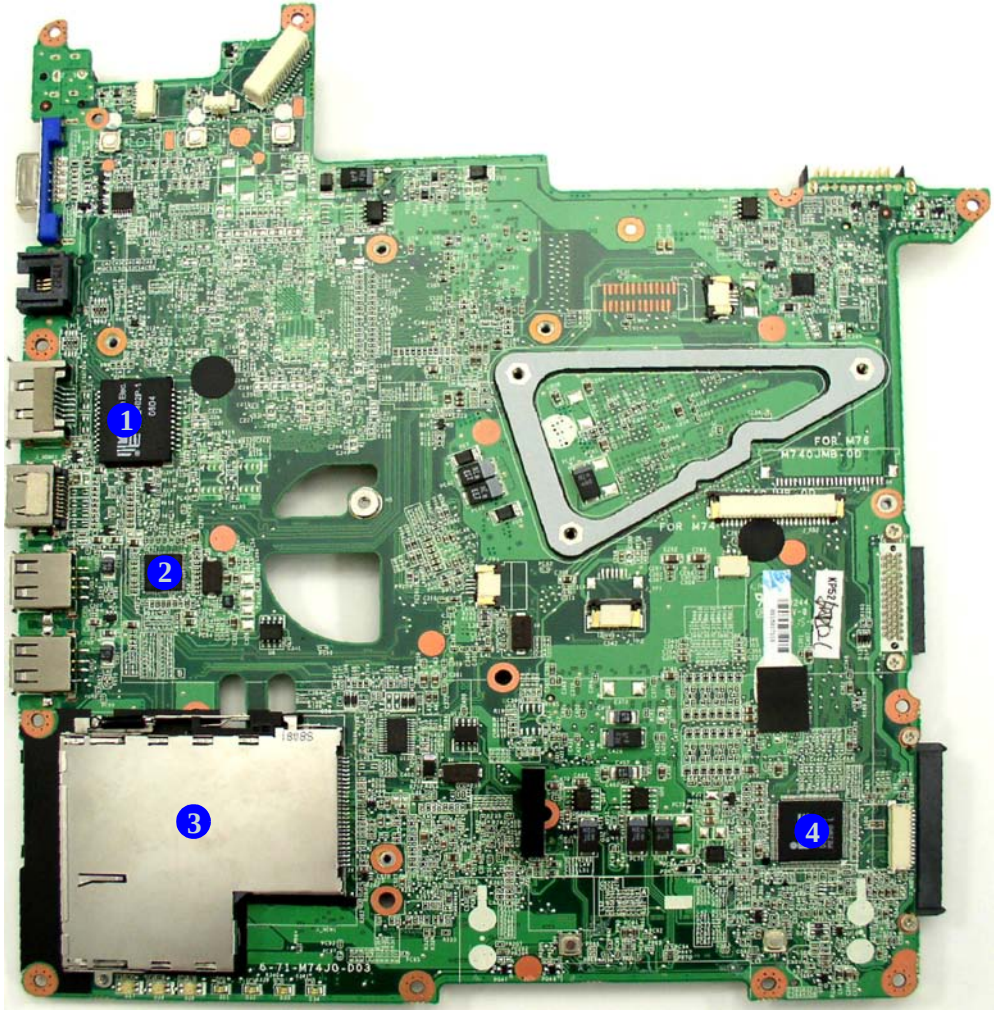


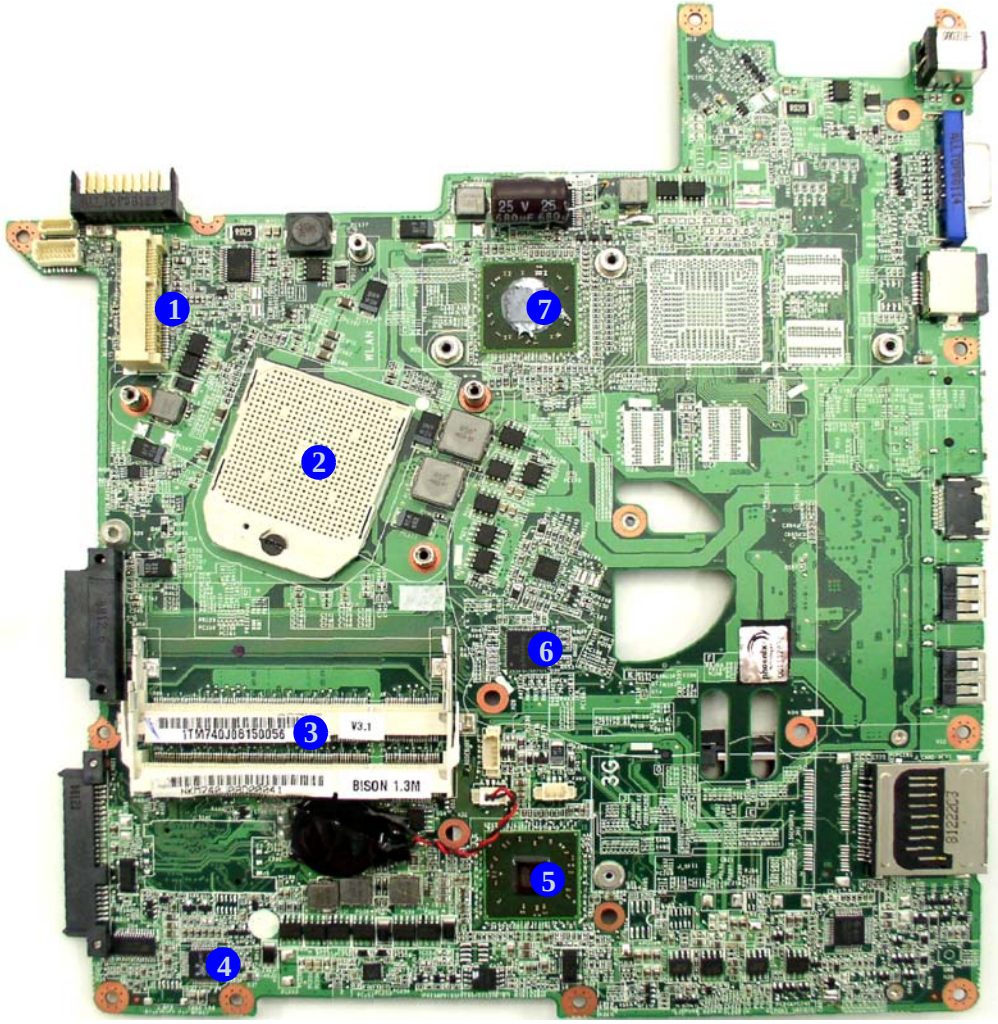
Figure 7
Mainboard Top Key Parts

1. LG-2402P-1
2. RTL8111C
3. ExpressCard Connector
4. ITE IT8512E

Mainboard Overview - Bottom (M74J/M76J-Key Parts)

Figure 8
Mainboard Bottom Key Parts

1. Mini-Card Connector (WLAN Module)
2. CPU Socket (no CPU installed)
3. Memory Slots DDR2 SO-DIMM
4. ALC662
5. South Bridge
6. ICS
7. North Bridge



Mainboard Overview - Bottom (M74JU/M76JU-Key Parts)

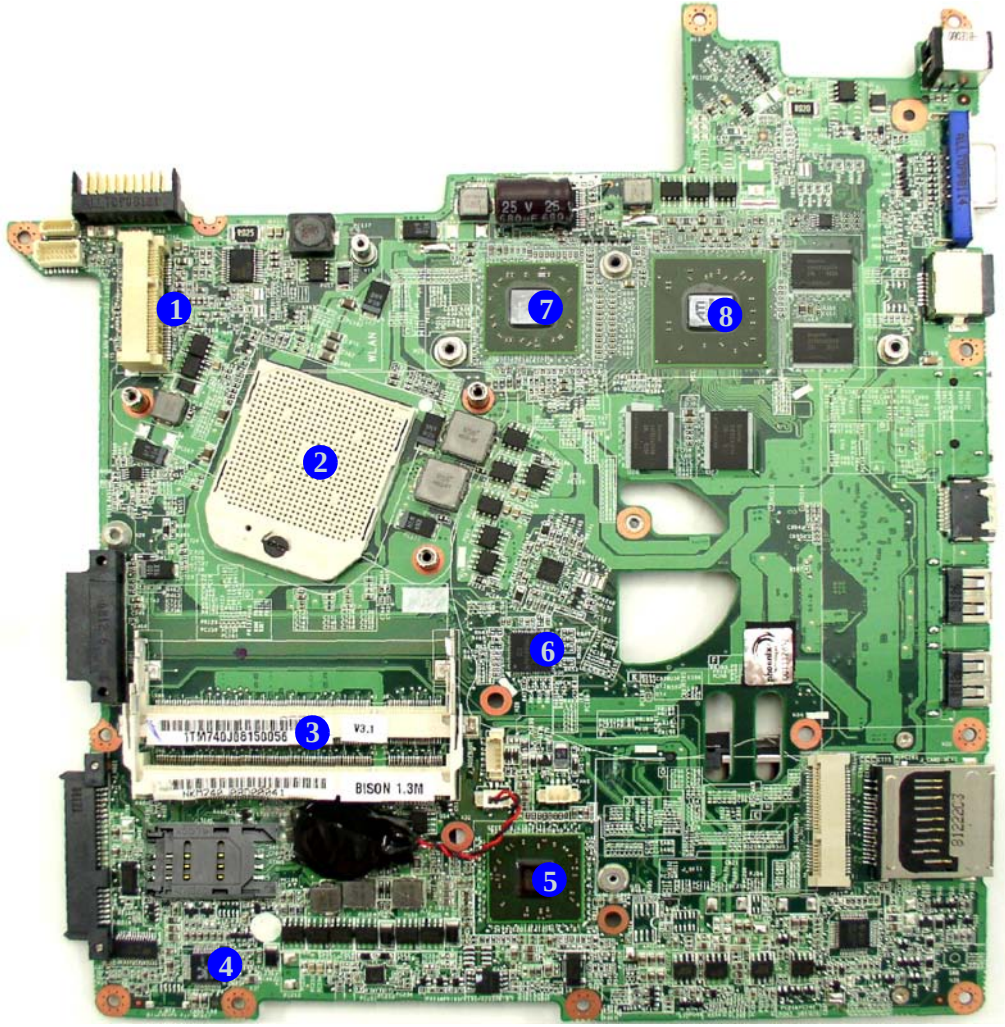
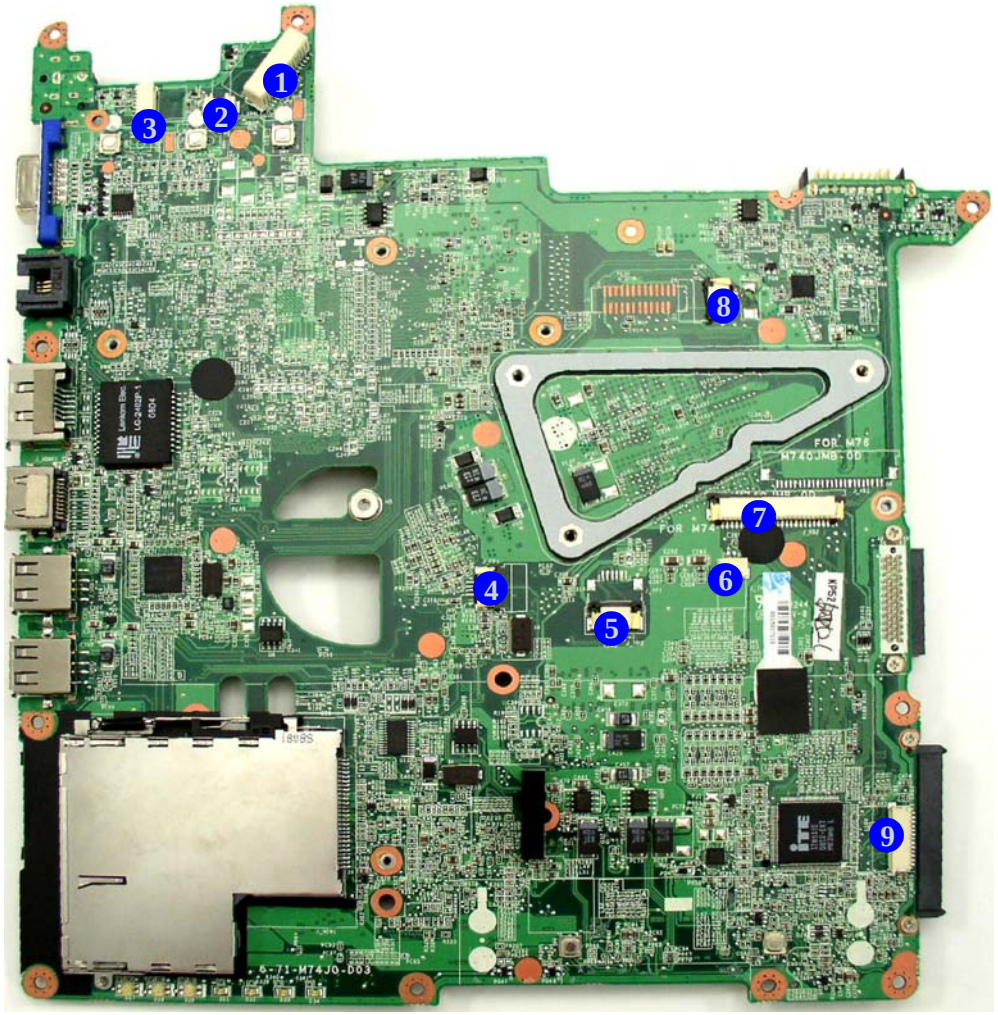


Figure 9
Mainboard Bottom Key Parts

1. Mini-Card Connector (WLAN Module)
2. CPU Socket (no CPU installed)
3. Memory Slots DDR2 SO-DIMM
4. ALC662
5. South Bridge
6. ICS
7. North Bridge
8. ATI -VGA on Board

Mainboard Overview - Top (Connectors)

Figure 10
Mainboard Top Connectors



1. LCD Cable Connector
2. Speaker Cable Connector
3. Inverter Cable Connector
4. Fingerprint Cable Connector
5. TouchPad Cable Connector
6. Microphone Cable Connector
7. Keyboard Cable Connector
8. Power board Connector
9. Audio Board Connector

Mainboard Overview - Bottom (Connectors)

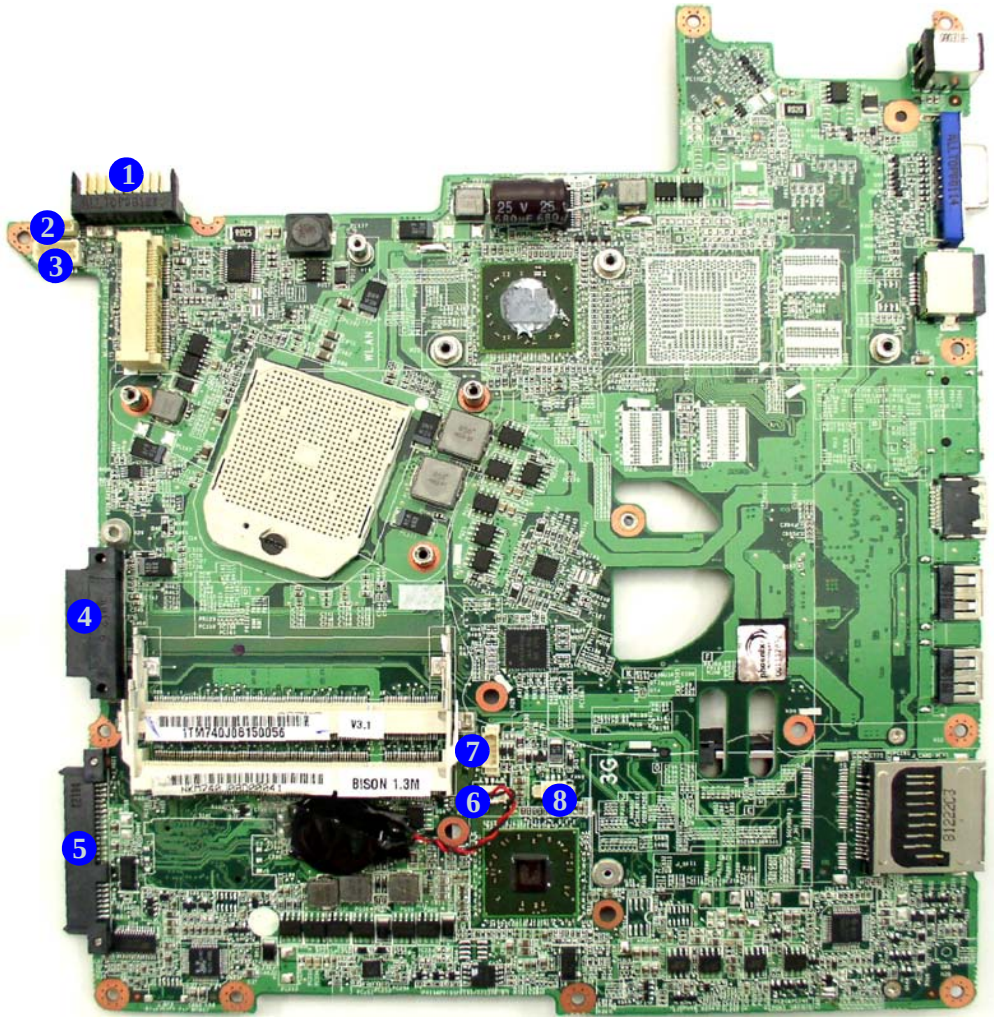


Figure 11
Mainboard Bottom Connectors

1. Battery Connector
2. BT Cable Connector
3. Multi Board (Modem) Connector
4. CD-ROM Connector
5. HDD Connector
6. CMOS Bat. Connector
7. Debug Cable Connector
8. CPU Fan Cable Connector

Chapter 2: Disassembly

Overview

This chapter provides step-by-step instructions for disassembling the ***M740J/M740JU/M760J/M760JU*** series notebook's parts and subsystems. When it comes to reassembly, reverse the procedures (unless otherwise indicated).

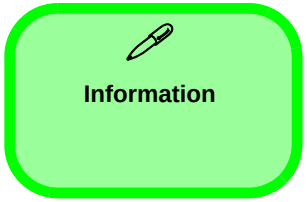
We suggest you completely review any procedure before you take the computer apart.

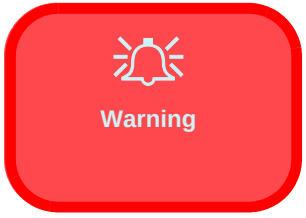
Procedures such as upgrading/replacing the RAM, optical device and hard disk are included in the User's Manual but are repeated here for your convenience.

To make the disassembly process easier each section may have a box in the page margin. Information contained under the figure # will give a synopsis of the sequence of procedures involved in the disassembly procedure. A box with a  lists the relevant parts you will have after the disassembly process is complete. **Note**: The parts listed will be for the disassembly procedure listed ONLY, and not any previous disassembly step(s) required. Refer to the part list for the previous disassembly procedure. The amount of screws you should be left with will be listed here also.

A box with a  will also provide any possible helpful information. A box with a  contains warnings.

An example of these types of boxes are shown in the sidebar.





NOTE: All disassembly procedures assume that the system is turned **OFF**, and disconnected from any power supply (the battery is removed too).

Maintenance Tools

The following tools are recommended when working on the notebook PC:

- M3 Philips-head screwdriver
- M2.5 Philips-head screwdriver (magnetized)
- M2 Philips-head screwdriver
- Small flat-head screwdriver
- Pair of needle-nose pliers
- Anti-static wrist-strap

Connections

Connections within the computer are one of four types:

Locking collar sockets for ribbon connectors	To release these connectors, use a small flat-head screwdriver to gently pry the locking collar away from its base. When replacing the connection, make sure the connector is oriented in the same way. The pin1 side is usually not indicated.
Pressure sockets for multi-wire connectors	To release this connector type, grasp it at its head and gently rock it from side to side as you pull it out. Do not pull on the wires themselves. When replacing the connection, do not try to force it. The socket only fits one way.
Pressure sockets for ribbon connectors	To release these connectors, use a small pair of needle-nose pliers to gently lift the connector away from its socket. When replacing the connection, make sure the connector is oriented in the same way. The pin1 side is usually not indicated.
Board-to-board or multi-pin sockets	To separate the boards, gently rock them from side to side as you pull them apart. If the connection is very tight, use a small flat-head screwdriver - use just enough force to start.

Maintenance Precautions

The following precautions are a reminder. To avoid personal injury or damage to the computer while performing a removal and/or replacement job, take the following precautions:

1. **Don't drop it**. Perform your repairs and/or upgrades on a stable surface. If the computer falls, the case and other components could be damaged.
2. **Don't overheat it**. Note the proximity of any heating elements. Keep the computer out of direct sunlight.
3. **Avoid interference**. Note the proximity of any high capacity transformers, electric motors, and other strong magnetic fields. These can hinder proper performance and damage components and/or data. You should also monitor the position of magnetized tools (i.e. screwdrivers).
4. **Keep it dry**. This is an electrical appliance. If water or any other liquid gets into it, the computer could be badly damaged.
5. **Be careful with power**. Avoid accidental shocks, discharges or explosions.
   - Before removing or servicing any part from the computer, turn the computer off and detach any power supplies.
   - When you want to unplug the power cord or any cable/wire, be sure to disconnect it by the plug head. Do not pull on the wire.
6. **Peripherals** – Turn off and detach any peripherals.
7. **Beware of static discharge**. ICs, such as the CPU and main support chips, are vulnerable to static electricity. Before handling any part in the computer, discharge any static electricity inside the computer. When handling a printed circuit board, do not use gloves or other materials which allow static electricity buildup. We suggest that you use an anti-static wrist strap instead.
8. **Beware of corrosion**. As you perform your job, avoid touching any connector leads. Even the cleanest hands produce oils which can attract corrosive elements.
9. **Keep your work environment clean**. Tobacco smoke, dust or other air-born particulate matter is often attracted to charged surfaces, reducing performance.
10. **Keep track of the components**. When removing or replacing any part, be careful not to leave small parts, such as screws, loose inside the computer.

Power Safety Warning

Before you undertake any upgrade procedures, make sure that you have turned off the power, and disconnected all peripherals and cables (including telephone lines). It is advisable to also remove your battery in order to prevent accidentally turning the machine on.

Cleaning

Do not apply cleaner directly to the computer, use a soft clean cloth.
Do not use volatile (petroleum distillates) or abrasive cleaners on any part of the computer.

Disassembly Steps

The following table lists the disassembly steps, and on which page to find the related information. **PLEASE PERFORM THE DISASSEMBLY STEPS IN THE ORDER INDICATED.**

To remove the Battery:

1. Remove the battery *page 2 - 5*

To remove the HDD:

1. Remove the battery *page 2 - 5*
2. Remove the HDD *page 2 - 6*

To remove the Optical Device:

1. Remove the battery *page 2 - 5*
2. Remove the Optical device *page 2 - 9*

To remove the System Memory:

1. Remove the battery *page 2 - 5*
2. Remove the system memory *page 2 - 11*

To remove the Inverter Board:

1. Remove the battery *page 2 - 5*
2. Remove the inverter board *page 2 - 13*

To remove and install a Processor:

1. Remove the battery *page 2 - 5*
2. Remove the processor *page 2 - 14*
3. Install the processor *page 2 - 16*

To remove the Wireless LAN Module:

1. Remove the battery *page 2 - 5*
2. Remove the wireless LAN *page 2 - 17*

To remove the Bluetooth Module:

:

1. Remove the battery *page 2 - 5*
2. Remove the Bluetooth *page 2 - 18*

To remove the Keyboard:

1. Remove the battery *page 2 - 5*
2. Remove the keyboard *page 2 - 19*

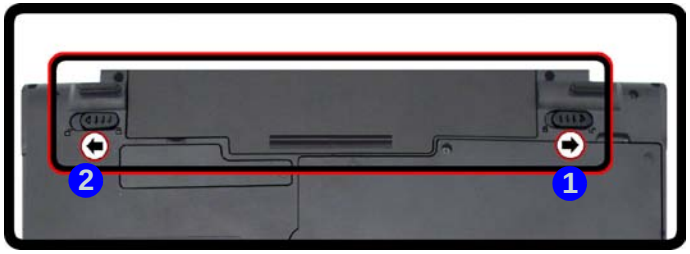
To remove the Modem:

1. Remove the battery *page 2 - 5*
2. Remove the HDD *page 2 - 6*
3. Remove the Optical device *page 2 - 9*
4. Remove the processor *page 2 - 14*
5. Remove the Wireless LAN Module *page 2 - 17*
6. Remove the Bluetooth Module *page 2 - 18*
7. Remove the keyboard *page 2 - 19*
8. Remove the modem *page 2 - 20*

Removing the Battery

1. Turn the computer **off**, and turn it over.
2. Slide the latch 1 in the direction of the arrow.
3. Slide the latch 2 in the direction of the arrow, and hold it in place.
4. Slide the battery 3 in the direction of the arrow 4.

a.



b.

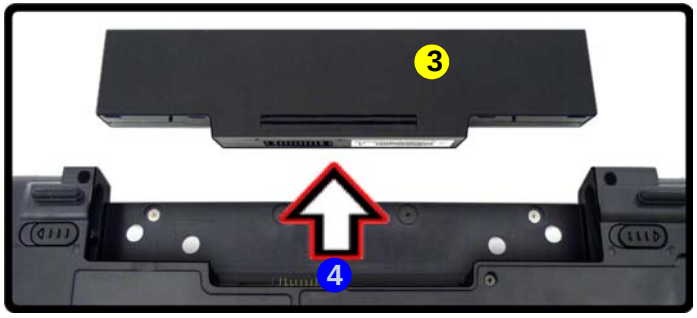


Figure 1
Battery Removal

a. Slide the latch and hold in place.
b. Slide the battery in the direction of the arrow.

3. Battery

Removing the Hard Disk Drive

The hard disk drive can be taken out to accommodate other 2.5" serial (SATA) hard disk drives with a height of 9.5mm (h). Follow your operating system's installation instructions, and install all necessary drivers and utilities (as outlined in **Chapter 4 of the User's Manual**) when setting up a new hard disk.

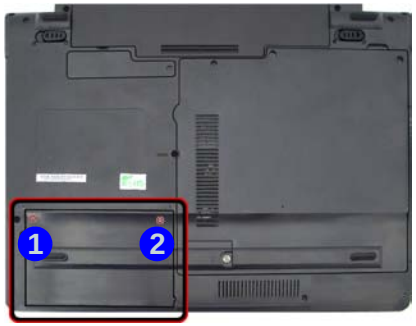
Figure 2
HDD Assembly Removal

a. Locate the HDD bay cover and remove the screw(s).

Hard Disk Upgrade Process

1. Turn **off** the computer, and remove the battery (*page 2 - 5*).
2. Locate the hard disk bay cover and remove screw 1 & 2.

a.



M740J/M740JU

M760J/M760JU

- 2 Screws

HDD System Warning

New HDD's are blank. Before you begin make sure:

You have backed up any data you want to keep from your old HDD.

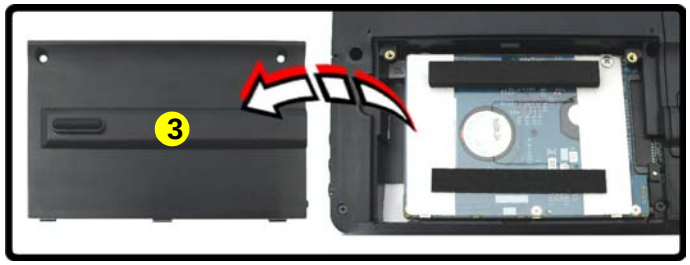
You have all the CD-ROMs and FDDs required to install your operating system and programs.

If you have access to the internet, download the latest application and hardware driver updates for the operating system you plan to install. Copy these to a removable medium.

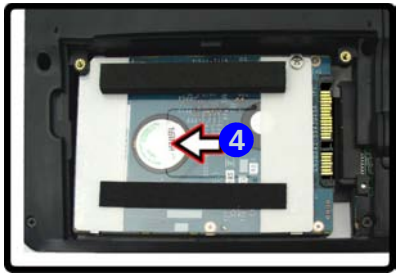
For **M740J/M740JU** computers:

3. Remove the hard disk bay cover 3.
4. Grip the tab and slide the hard disk in the direction of arrow 4.
5. Lift the hard disk out of the bay 5.
6. Remove the screw 6 and the adhesive cover 7 from the hard disk 8.
7. Reverse the process to install a new hard disk (do not forget to replace all the screws and covers).

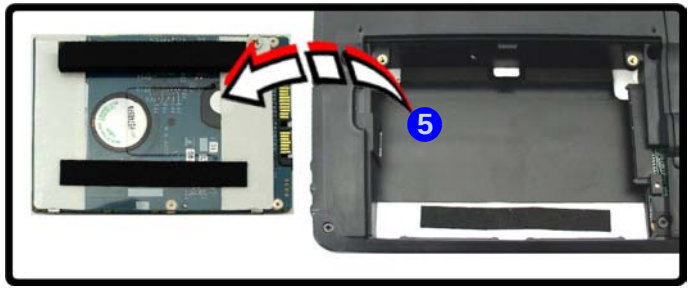
b.



c.



d.



e.

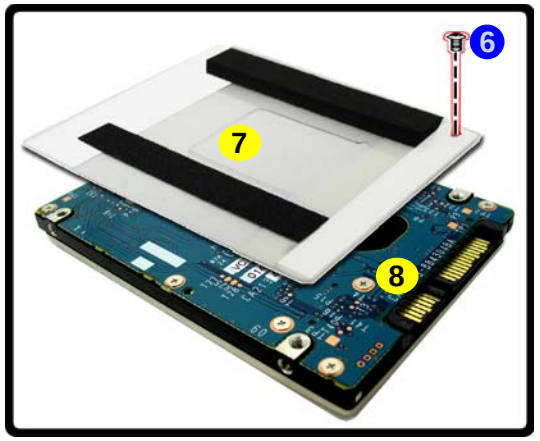


Figure 3
HDD Assembly Removal (cont'd.)

b. Remove the HDD bay cover.
c. Grip the tab and slide the HDD in the direction of the arrow.
d. Lift the HDD assembly out of the bay.
e. Remove the screw and adhesive cover.

3. HDD Bay Cover
7. Adhesive Cover
8. HDD

- 1 Screw

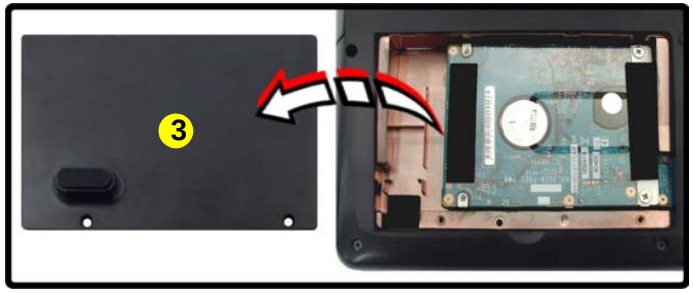
Figure 4
HDD Assembly Removal (cont'd.)

f. Remove the HDD Bay Cover.
g. Grip the tab and slide the HDD in the direction of the arrow.
h. Lift the HDD assembly out of the bay.
i. Remove the screw and adhesive cover.

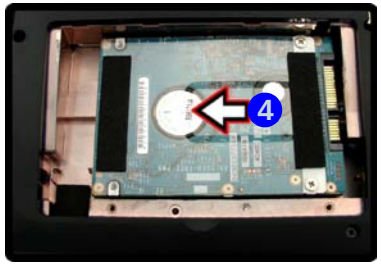
For **M760J/M760JU** computers:

8. Remove the hard disk bay Cover 3.
9. Grip the tab and slide the hard disk in the direction of arrow 4.
10. Lift the hard disk out of the bay 5.
11. Remove the screws 6 & 7 and the adhesive cover 8 from the hard disk 9.
12. Reverse the process to install a new hard disk (do not forget to replace all the screws and covers).

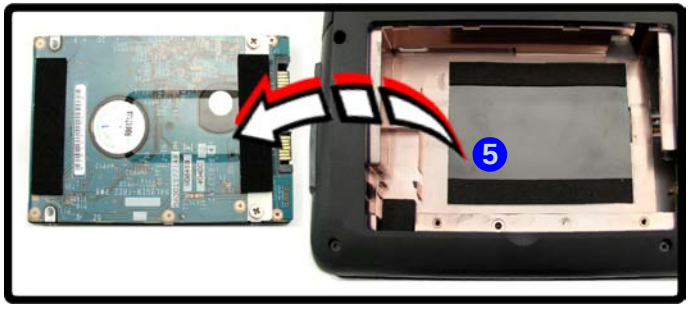
f.



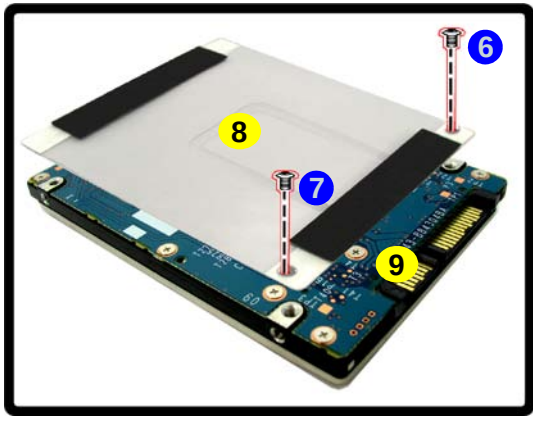
g.



h.



i.



3. HDD Bay Cover
8. Adhesive Cover
9. HDD

- 2 Screws

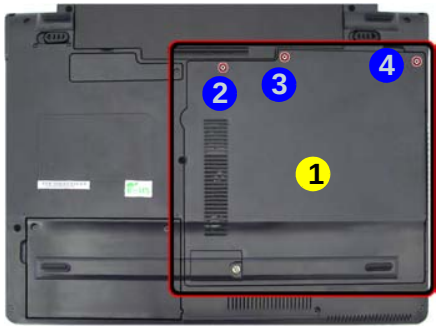
Removing the Optical (CD/DVD) Device

1. Turn **off** the computer, and remove the battery (*page 2 - 5*).
2. **M740J/M740JU: (see over for M760J/M760JU)** Locate the component bay cover 1 and remove screws 2 - 4.
3. Carefully (**a fan and cable are attached to the under side of the cover**) lift up the bay cover.
4. Carefully disconnect the fan cable 5, and remove the cover 1.
5. Remove the screw at point 6, and use a screwdriver to carefully push out the optical device 8 at point 7.
6. Insert the new device and carefully slide it into the computer (the device only fits one way. DO NOT FORCE IT; The screw holes should line up).
7. Restart the computer to allow it to automatically detect the new device.

Figure 5
Optical Device Removal

a. Remove the screws.
b. Disconnect the fan cable and remove the cover.
c. Remove the screw.
d. Push the optical device out off the computer at point 7.

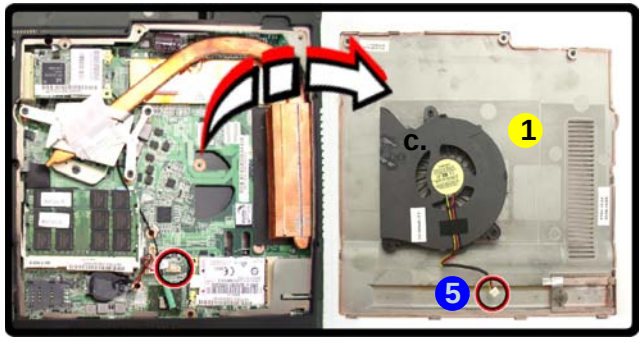
a.



M740J/M740JU

c.

b.



d.

1. Component Bay Cover
8. Optical Device

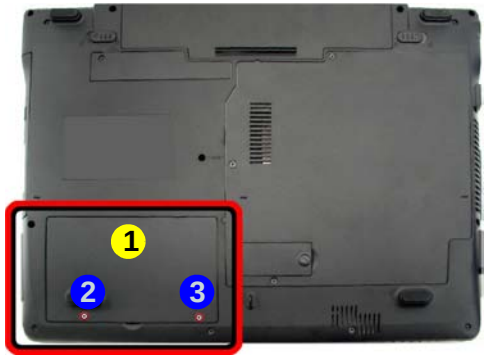
- 4 Screws

Figure 6
Optical Device Removal (cont'd.)

e. Remove the screws.
f. Remove the cover.
g. Remove the screw.
h. Push the optical device out off the computer at point 7.

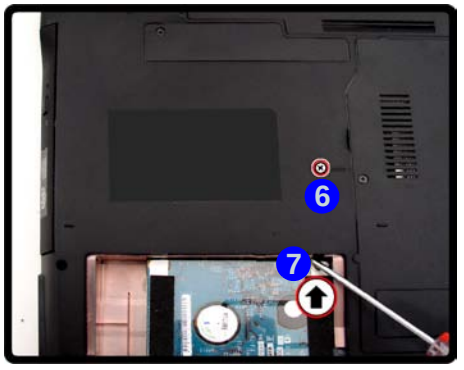
8. **M760J/M760JU:** Locate the hard disk bay cover 1 and loosen screws 2 & 3.
9. Remove the hard disk bay cover 1.
10. Remove the screw at point 6, and use a screwdriver to carefully push out the optical device 8 at point 7.
11. Insert the new device and carefully slide it into the computer (the device only fits one way. DO NOT FORCE IT; The screw holes should line up).
12. Restart the computer to allow it to automatically detect the new device.

e.

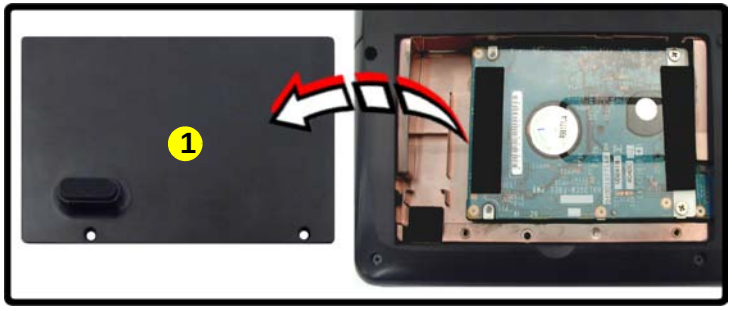


M760J/M760JU

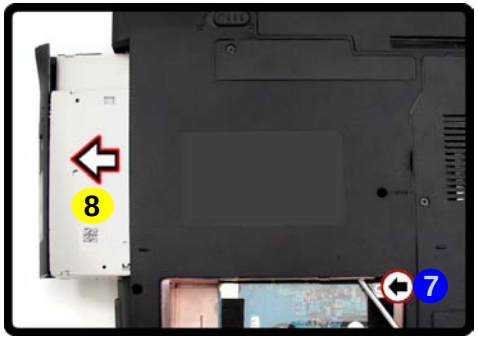
g.



f.



h.



1. HDD Bay Cover
8. Optical Device

- 3 Screws

Removing the System Memory (RAM)

The computer has two memory sockets for 200 pin Small Outline Dual In-line Memory Modules (SO-DIMM) supporting **DDR2** 667/800MHz. The main memory can be expanded up to 4GB. The SO-DIMM modules supported are 1024MB, and 2048MB and **DDRII** Modules. The total memory size is automatically detected by the POST routine once you turn on your computer.

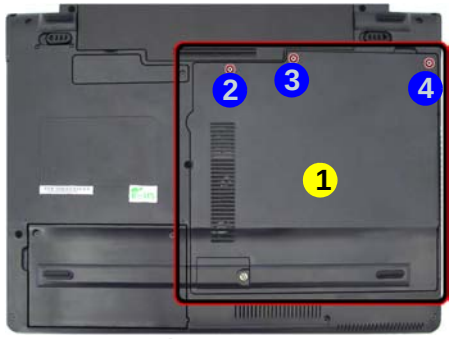
Memory Upgrade Process

1. Turn **off** the computer, remove the battery (***page 2 - 5***).
2. Locate the component bay cover 1, and remove screws 2 - 4.
3. Carefully (**a fan and cable are attached to the under side of the cover**) lift up the bay cover (***page 2 - 9***).
4. The RAM module(s) will be visible at point 5 on the mainboard.

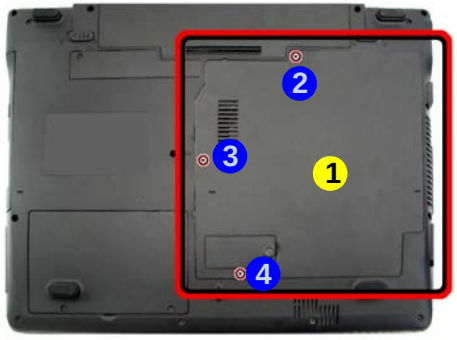
Figure 7
RAM Module Removal

a. Remove the screws.
b. Remove the cover.

a.

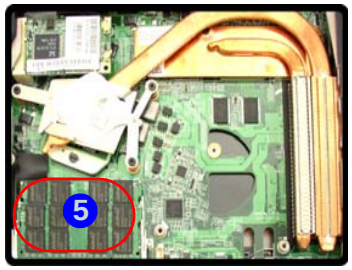


M740J/M740JU



M760J/M760JU

b.



Contact Warning

Be careful not to touch the metal pins on the module's connecting edge. Even the cleanest hands have oils which can attract particles, and degrade the module's performance.

1. Component Bay Cover

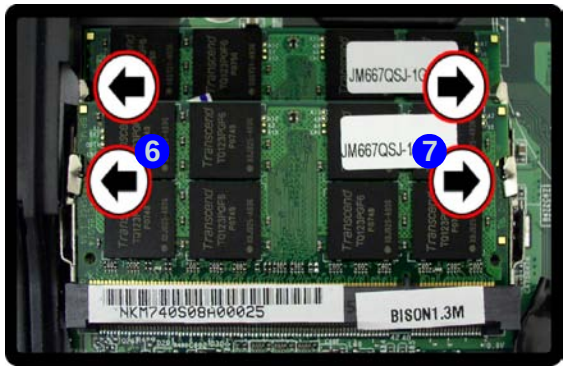
- 3 Screws

Figure 8
RAM Module Removal (cont'd.)

c. Pull the release latch(es).
d. Remove the module(s).
e. Properly re-insert the bay cover pins.

5. Gently pull the two release latches (6 & 7) on the sides of the memory socket in the direction indicated by the arrows (***Figure 8c***).

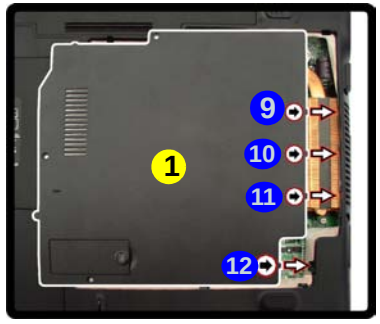
c.



d.

6. The RAM module(s) 8 will pop-up (***Figure 8d***), and you can then remove it.
7. Pull the latches to release the second module if necessary.
8. Insert a new module holding it at about a 30° angle and fit the connectors firmly into the memory slot.
9. The module's pin alignment will allow it to only fit one way. Make sure the module is seated as far into the slot as it will go. DO NOT FORCE the module; it should fit without much pressure.
10. Press the module in and down towards the mainboard until the slot levers click into place to secure the module.
11. Replace the bay cover and screws (**make sure you reconnect the fan cable before screwing down the bay cover**).
    Note for **M760J/M760JU** computers that there are four 9 - 12 cover pins which need to be aligned with slots in the case, to insure a proper cover fit, before screwing down the bay cover 1.

e.



12. Restart the computer to allow the BIOS to register the new memory configuration as it starts up.

8. RAM Module(s)

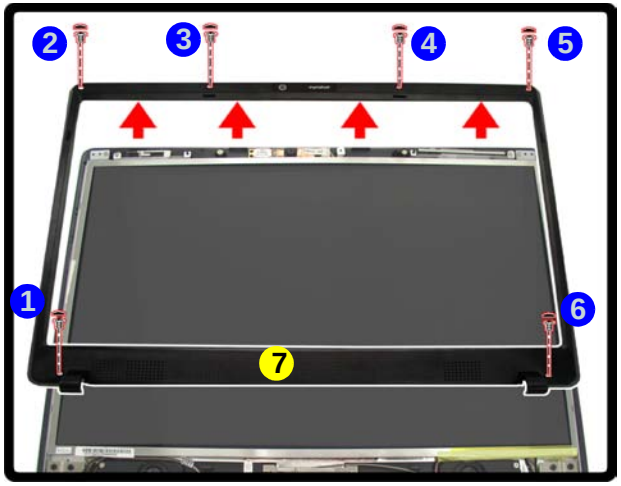
Removing the Inverter Board

1. Turn **off** the computer, and remove the battery (*page 2 - 5*).
2. Remove any rubber covers, screws 1 - 6 (*Figure 9a*), then run your finger around the middle of the frame to carefully unsnap the LCD front panel module 7 from the back.
3. Discharge the remaining system power (see *"Inverter Power Warning"* below).
4. Remove screw 8 (*Figure 9b*) from the inverter, and carefully lift the inverter board up slightly.
5. Disconnect cables 9 & 10 (*Figure 9c*) from the inverter, then remove the inverter 11 (*Figure 9d*) from the top case assembly.

Figure 9
Inverter Board Removal

a. Remove the 6 screws and unsnap the LCD front panel module from the back.
b. Remove the screw and discharge the remaining power from the inverter board and lift the board up slightly.
c. Disconnect the cables from the inverter.
d. Remove the inverter.

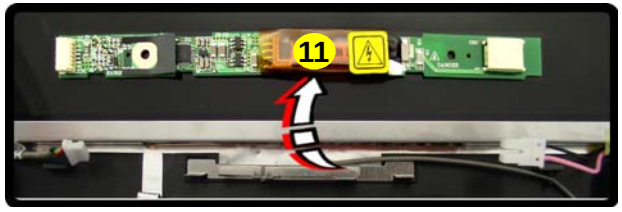
a.



b.

c.

d.



Inverter Power Warning

In order to prevent a short circuit when removing the inverter it is necessary to discharge any remaining system power. To do so, press the computer's power button for a few seconds before disconnecting the inverter cable.

7. LCD Front Panel
11. Inverter Board

- 6 Screws

Removing and Installing the Processor

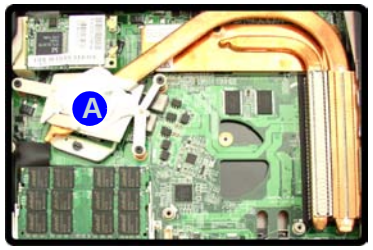
Processor Removal Procedure

1. Turn **off** the computer, remove the battery (*page 2 - 5*) and the component bay cover (*page 2 - 9*).
2. The CPU heat sink will be visible at point A on the mainboard.
3. Remove screws 3 , 2 ,1(*Figure 10b*) the reverse order as indicated on the label.
4. Carefully lift up the heat sink B (*Figure 10c*) off the computer.

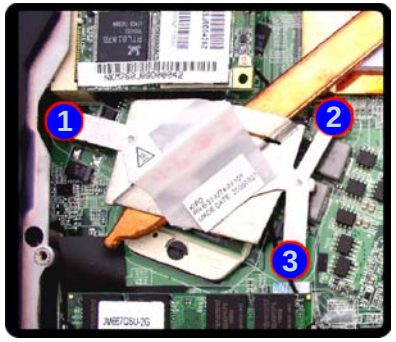
Figure 10
Processor Removal

a. Remove the cover and locate the heat sink.
b. Remove the screws in the order indicated.
c. Remove the heat sink.

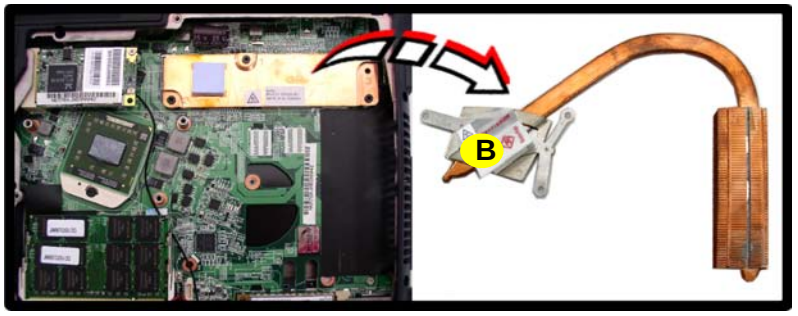
a.



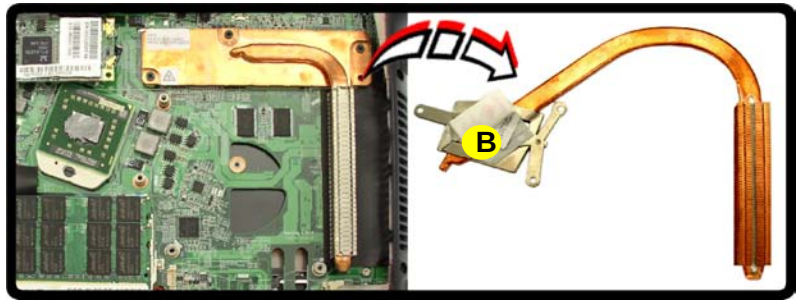
b.



c.



M740J/M760J



M740JU/M760JU

B. Heat Sink

- 3 Screws

5. Turn the release latch C towards the unlock symbol, to release the CPU (*Figure 11a*).
6. Carefully (it may be hot) lift the CPU D up out of the socket (*Figure 11b*).
7. See *page 2 - 16* for information on inserting a new CPU.
8. When re-inserting the CPU, pay careful attention to the pin alignment, it will fit only one way (DO NOT FORCE IT!).

Figure 11
Processor Removal (cont'd)

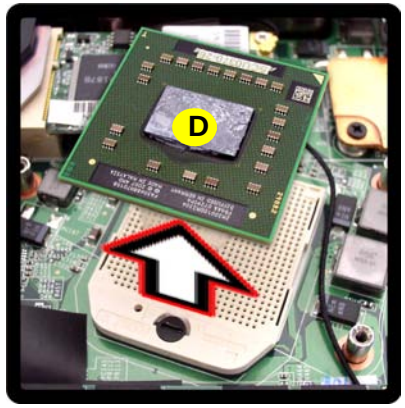
d. Turn the release latch to unlock the CPU.
e. Lift the CPU out of the socket.

d.

Unlock

Lock

e.



Caution

The heat sink, and CPU area in general, contains parts which are subject to high temperatures. Allow the area time to cool before removing these parts.

7. CPU

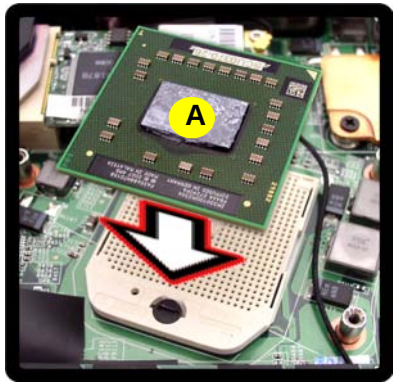
Figure 12
Processor Installation

a. Insert the CPU.
b. Turn the release latch towards the lock symbol.
c. Remove the sticker from the heat sink and insert the heat sink.
d. Tighten the screws.

Processor Installation Procedure

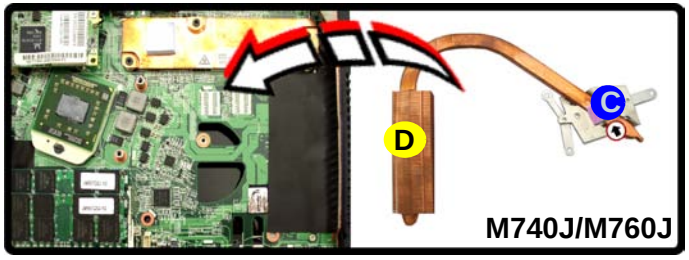
1. Insert the CPU A, pay careful attention to the pin alignment, it will fit only one way (DO NOT FORCE IT!), and turn the release latch B towards the lock symbol (***Figure 12b***).
2. **Remove the sticker** C (***Figure 12c***) from the heat sink.
3. Insert the heat sink D as indicated in ***Figure 12c***.
4. Tighten screws 1 - 3 in the order indicated on the label.
5. Replace the component bay cover and tighten the screws (***page 2 - 9***).

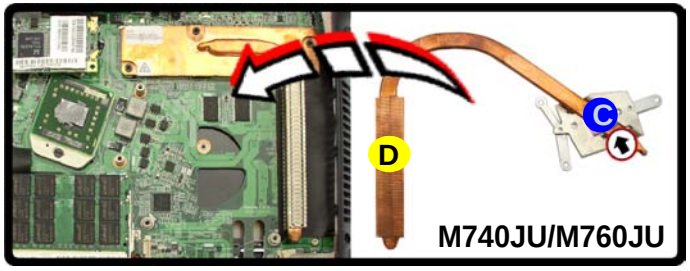
a.



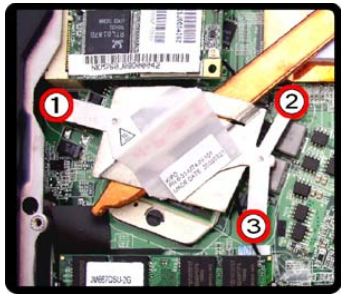
b.

c.





d.



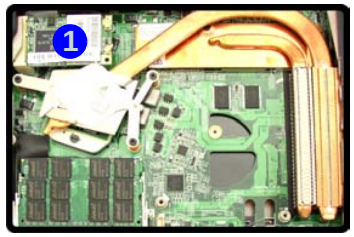
A. CPU
D. Heat Sink

- 3 Screws

Removing the Wireless LAN Module

1. Turn **off** the computer, remove the battery (***page 2 - 5***) and the component bay cover (***page 2 - 9***).
2. The Wireless LAN module will be visible at point 1 on the mainboard.
3. Carefully disconnect cables 2 - 3, then remove screw 4 from the module socket.
4. The Wireless LAN module 5 will pop-up.
5. Lift the Wireless LAN module (***Figure 13d***) up and off the computer.

a.



b.

c.

d.

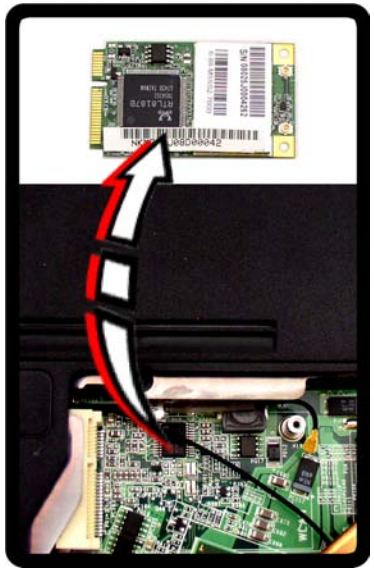


Figure 13
Wireless LAN Module Removal

a. Remove the cover.
b. Disconnect the cable and remove the screw.
c. The WLAN module will pop up.
d. Lift the WLAN module out.

Note: Make sure you reconnect the antenna cable to "1" + "2" socket (***Figure b***).

5. WLAN Module.

- 1 Screw

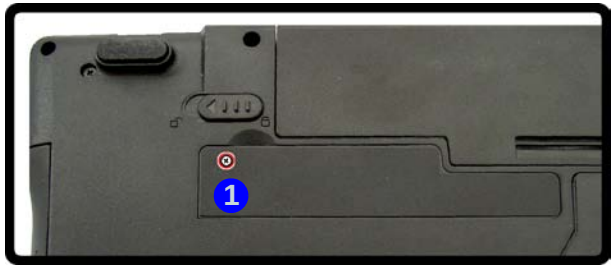
Figure 14
Bluetooth Module Removal

a. Remove the screw.
b. Lfit the cover and remove the screw.
c. Disconnect the cable and the connector.
d. Lift the Bluetooth module up off the socket.

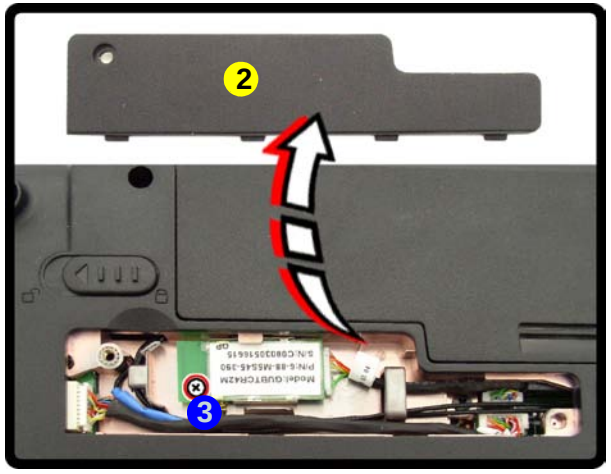
Removing the Bluetooth Module

1. Turn **off** the computer, remove the battery (*page 2 - 5*).
2. Locate the Bluetooth bay cover, and remove the screw 1 and cover 2.
3. Remove the screw 3 and turn the module over.
4. Carefully separate the Bluetooth module from the connector 4 and disconnect the cable 5.
5. Lift the Bluetooth module 6 (*Figure 14c*) up and off the computer.

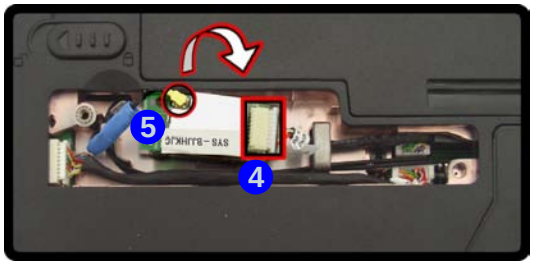
a.



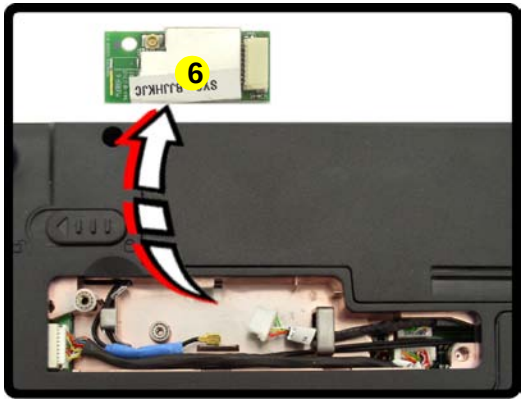
b.



c.



d.



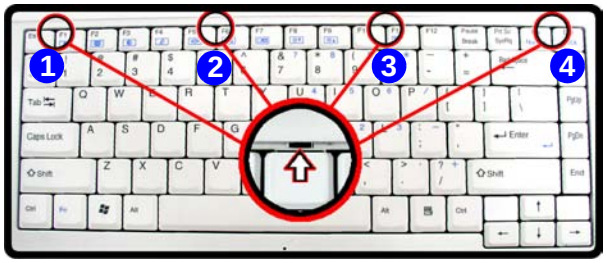
2. Cover
6. Bluetooth Module

- 2 Screws

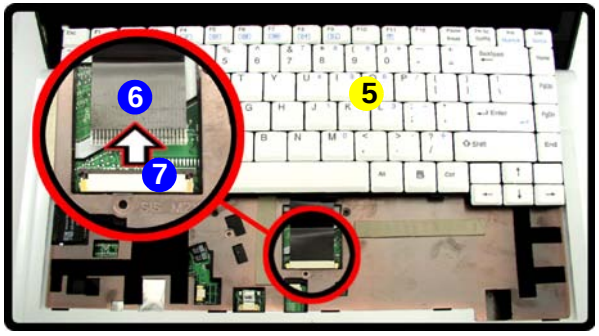
Removing the Keyboard

1. Turn **off** the computer, and remove the battery (*page 2 - 5*).
2. Press the **four** keyboard latches at the top of the keyboard to elevate the keyboard from its normal position (you may need to use a small screwdriver to do this).
3. Carefully lift the keyboard 5 up, being careful not to bend the keyboard ribbon cable (*Figure 15b*).
4. Disconnect the keyboard ribbon cable 6 from the locking collar socket 7.

a.



b.



c.

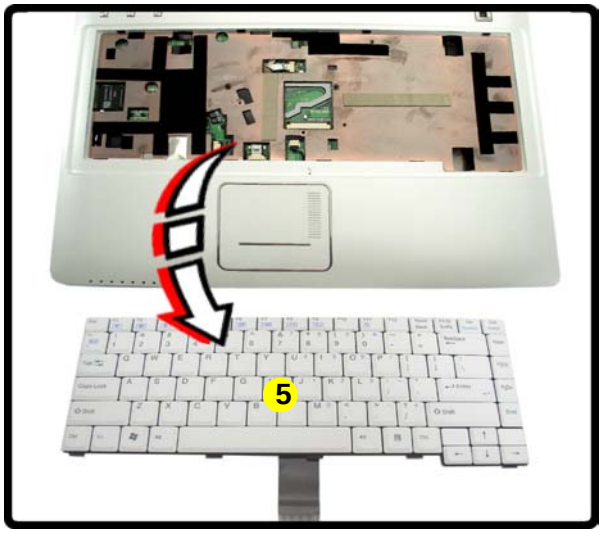


Figure 15
Keyboard Removal

a. Press the four latches to release the keyboard.
b. Lift the keyboard up and disconnect the cable from the locking collar.
c. Remove the keyboard.

Re-Inserting the Keyboard

When re-inserting the keyboard firstly align the **four** keyboard tabs at the bottom of the keyboard with the slots in the case.

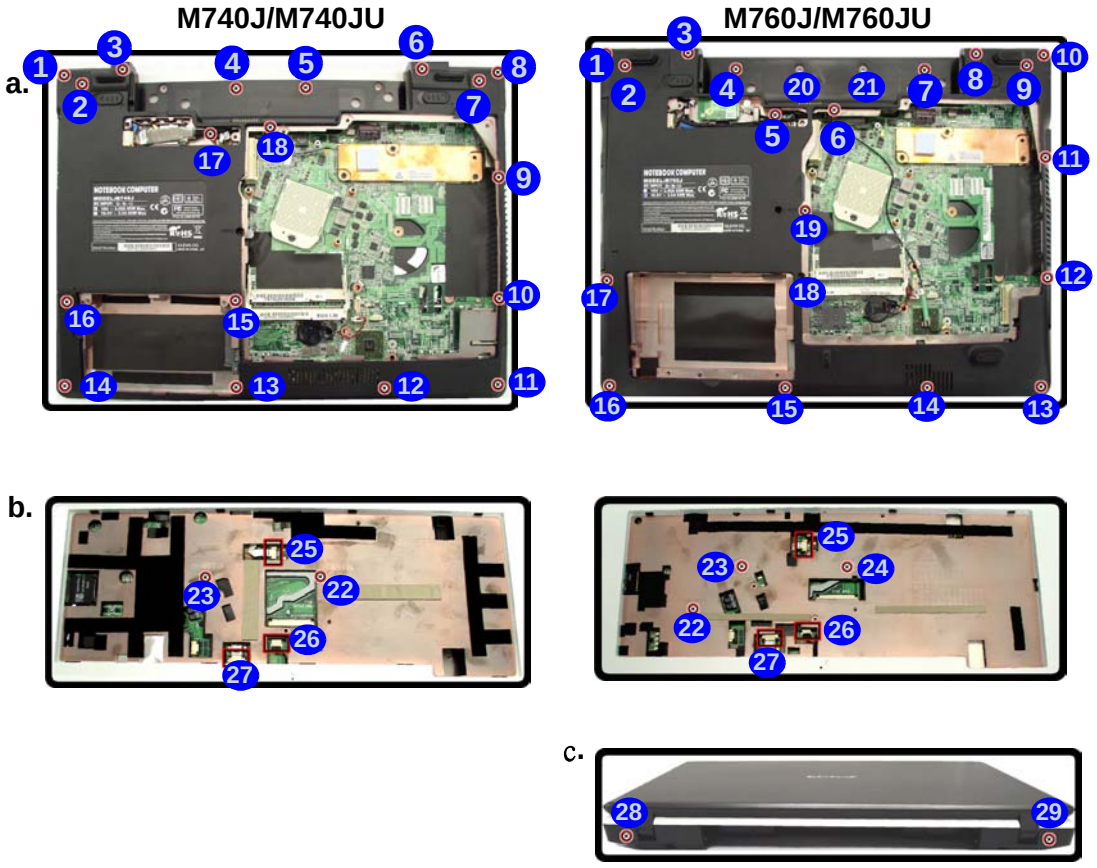
5. Keyboard

Removing the Modem

Figure 16
Modem Removal

a. Remove the screws.
b. Turn the computer over, remove the screws and disconnect the cables.
c. Remove the screws.

1. Turn **off** the computer, remove the battery (***page 2 - 5***), HDD (***page 2 - 6***), component bay cover (***page 2 - 11***), optical device (***page 2 - 9***), CPU (***page 2 - 14***), bluetooth (***page 2 - 18***) and keyboard (***page 2 - 19***).
2. Remove screws 1 - 21 from the bottom case.
3. Turn the computer over, remove screws 22 - 24 and disconnect cables 25 - 27 (***Figure 17b***).
4. **For M760J/M760JU only** - remove screws 28 - 29 (***Figure 17c***) from the rear of the computer.



- 20 Screws (M740J/M740JU)/ 26 Screws (M760J/M760JU)

5. Carefully lift the top case 30 up and off the computer (*Figure 17d*).
6. Remove screws 31 - 33 from the computer.
7. Remove screws 34 - 35 from the modem module.
8. Lift the modem up and separate the modem from the connector 36.
9. Lift the modem 37 off the computer.

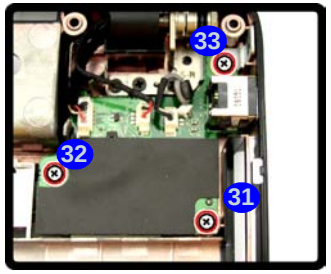
Figure 17
Modem Removal (cont'd.)

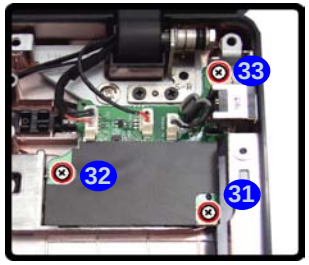
d. Lift the cover off the computer.
e. Remove the screws.
f. Remove the screws and disconnect the connector.
g. Lift the modem out.

d.

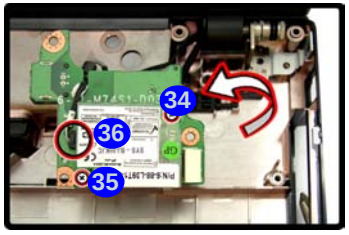
M740J/M740JU **M760J/M760JU**

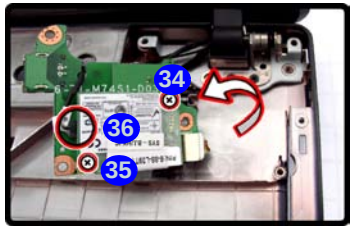
e.



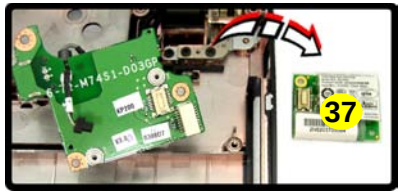


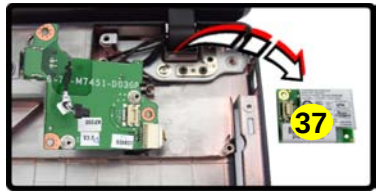
f.





g.





30. Top Case
37. Modem

- 5 Screws

Appendix A: Part Lists

This appendix breaks down the ***M740J/M740JU/M760J/M760JU*** series notebook's construction into a series of illustrations. The component part numbers are indicated in the tables opposite the drawings.

Note: This section indicates the *manufacturer's* part numbers. Your organization may use a different system, so be sure to cross-check any relevant documentation.

Note: Some assemblies may have parts in common (especially screws). However, the part lists DO NOT indicate the total number of duplicated parts used.

Note: Be sure to check any update notices. The parts shown in these illustrations are appropriate for the system at the time of publication. Over the product life, some parts may be improved or re-configured, resulting in *new* part numbers.

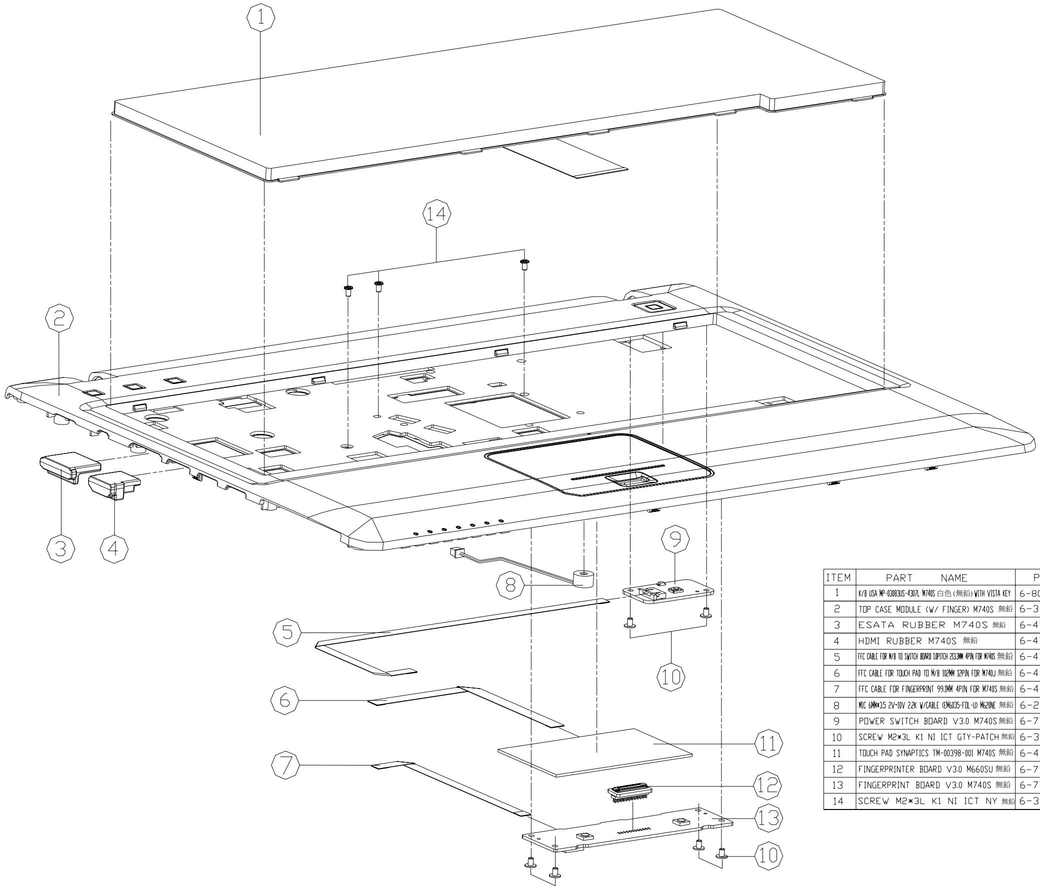
Part List Illustration Location

The following table indicates where to find the appropriate part list illustration.

Table A- 1
Part List Illustration Location

Parts	M740J	M740JU	M760J	M760JU
Top with Fingerprint	*page A - 3*		*page A - 11*	
Top without Fingerprint	*page A - 4*		*page A - 12*	
Bottom	*page A - 5*	*page A - 6*	*page A - 13*	*page A - 14*
LCD	*page A - 7*		*page A - 15*	
HDD	*page A - 8*		*page A - 16*	
COMBO	*page A - 9*		*page A - 17*	
DVD-Dual Drive	*page A - 10*		*page A - 18*	

Top with Fingerprint (M740J/M740JU)

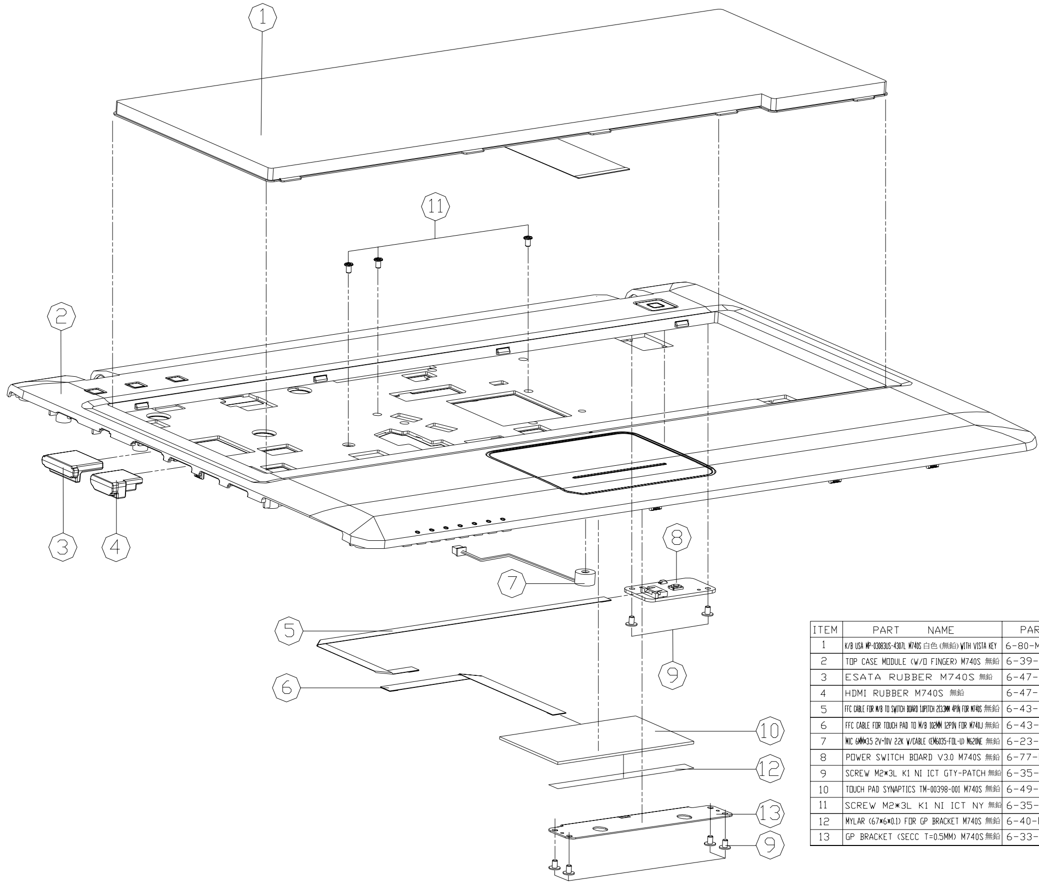


ITEM	PART NAME	PART NO	REMARK
1	K/B USA MP-03083US-4307L M740S 白色(無鉛) WITH VISTA KEY	6-80-M74S0-010-1	
2	TOP CASE MODULE (W/ FINGER) M740S 無鉛	6-39-M74S2-113	
3	ESATA RUBBER M740S 無鉛	6-47-M74S2-030	
4	HDMI RUBBER M740S 無鉛	6-47-M74S2-020	
5	FFC CABLE FOR M/B TO SWITCH BOARD 1.0PITCH 213.3MM 4PIN FOR M740S 無鉛	6-43-M74S0-030	
6	FFC CABLE FOR TOUCH PAD TO M/B 102MM 12PIN FOR M740J 無鉛	6-43-M74J0-010	
7	FFC CABLE FOR FINGERPRINT 99.1MM 4PIN FOR M740S 無鉛	6-43-M74SF-010	
8	MIC 6MM*3.5 2V~10V 2.2K W/CABLE (EM6035-FOL-U) M620NE 無鉛	6-23-EM62E-010	
9	POWER SWITCH BOARD V3.0 M740S 無鉛	6-77-M74SS-D03	
10	SCREW M2*3L K1 NI ICT GTY-PATCH 無鉛	6-35-B1120-3RE	
11	TOUCH PAD SYNAPTICS TM-00398-001 M740S 無鉛	6-49-M74S2-010	
12	FINGERPRINTER BOARD V3.0 M660SU 無鉛	6-77-M66UF-D03	
13	FINGERPRINT BOARD V3.0 M740S 無鉛	6-77-M74SF-D03	
14	SCREW M2*3L K1 NI ICT NY 無鉛	6-35-B1120-3RA	

Figure A - 1
Top with Fingerprint (M740J/M740JU)

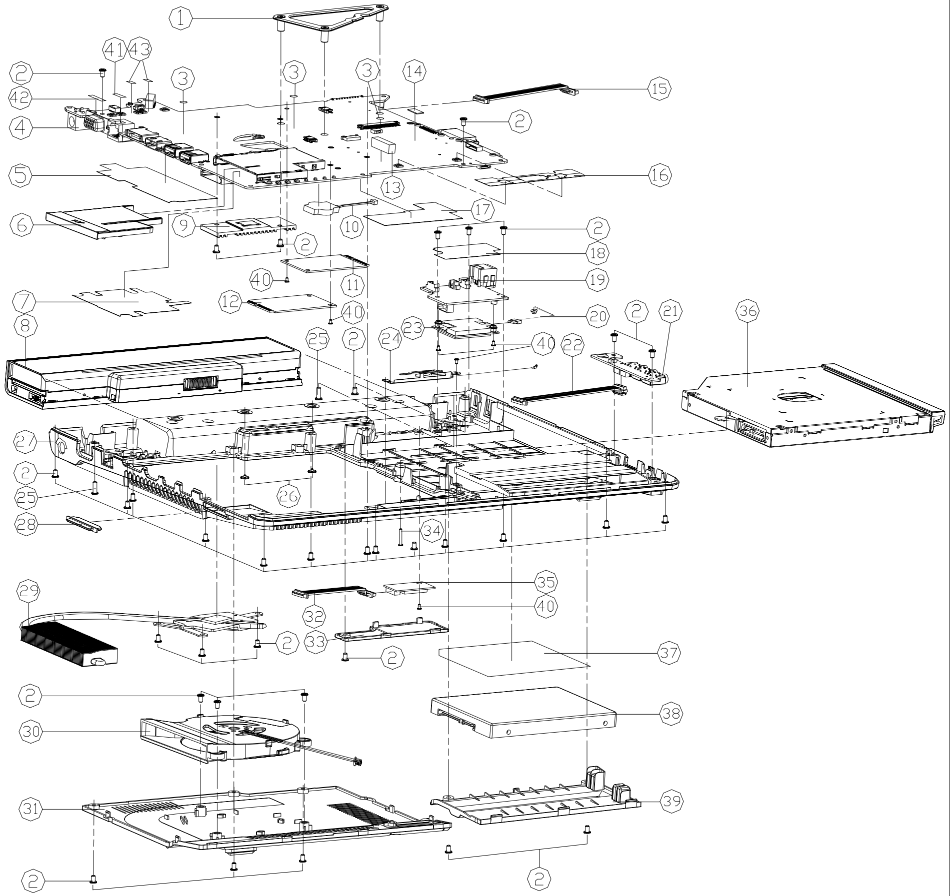
Top without Fingerprint (M740J/M740JU)

Figure A - 2
Top without Fingerprint (M740J/M740JU)



ITEM	PART NAME	PART NO	REMARK
1	K/B USA MP-03083US-4307L M740S 白色 (無鉛) WITH VISTA KEY	6-80-M74S0-011-1	
2	TOP CASE MODULE (W/O FINGER) M740S 無鉛	6-39-M74S2-014	
3	ESATA RUBBER M740S 無鉛	6-47-M74S2-030	
4	HDMI RUBBER M740S 無鉛	6-47-M74S2-020	
5	FFC CABLE FOR M/B TO SWITCH BOARD 1.0PITCH 213.3MM 4PIN FOR M740S 無鉛	6-43-M74S0-030	
6	FFC CABLE FOR TOUCH PAD TO M/B 102MM 12PIN FOR M740J 無鉛	6-43-M74J0-010	
7	MIC 6MM*3.5 2V~10V 2.2K W/CABLE (EM6035-FOL-U) M620NE 無鉛	6-23-EM62E-010	
8	POWER SWITCH BOARD V3.0 M740S 無鉛	6-77-M74SS-D03	
9	SCREW M2*3L K1 NI ICT GTY-PATCH 無鉛	6-35-B1120-3RE	
10	TOUCH PAD SYNAPTICS TM-00398-001 M740S 無鉛	6-49-M74S2-010	
11	SCREW M2*3L K1 NI ICT NY 無鉛	6-35-B1120-3RA	
12	MYLAR (67*6*0.1) FOR GP BRACKET M740S 無鉛	6-40-M74S2-060	
13	GP BRACKET (SECC T=0.5MM) M740S 無鉛	6-33-M74S2-010	

Bottom (M740J)

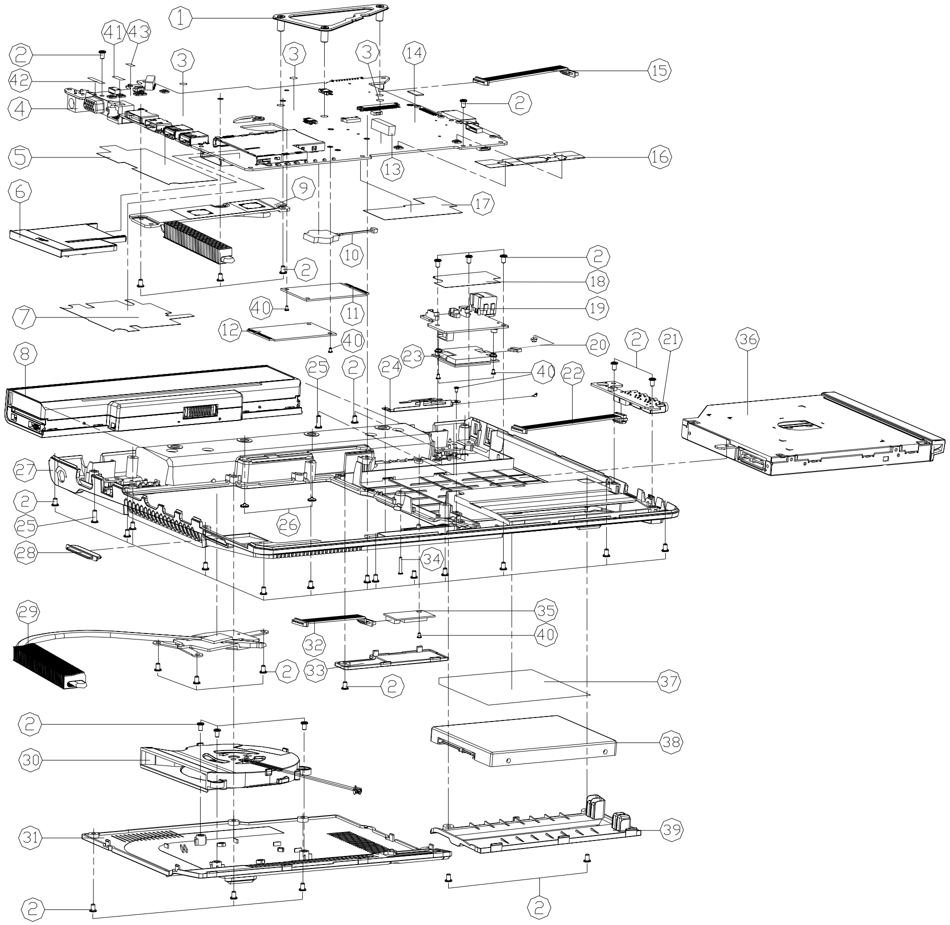


ITEM	PART NAME	PART NO	REMARK
1	CPU SUPPORTER SECC T=1.0MM M740J 無鉛	6-33-M74JS-011	
2	SCREW M2.5*5L KI BK/Z ICT NY-無鉛	6-35-B6125-5RA	
3	MYLAR D10 FR83 M760S 無鉛	6-40-M76S0-010	
4	MAIN BOARD V3.0 (W/3G)M740J 無鉛	6-77-M74J0-D03	
4	MAIN BOARD V3.0 (W/O 3G)M740J 無鉛	6-77-M74J0-D03-1	
5	HEAT SINK MYLAR FR83 M740S 無鉛	6-40-M74SN-011	
6	DUMMY NEW CARD PC+ABS TN120R 無鉛	6-42-T12R3-011	
7	NEW CARD MYLAR FR83 M740T 無鉛	6-40-M74T3-010	
8	BAT(外),S,LI, 4.0AH,3S2P,FOR M660N,GLW /PANASONIC CELL(6 CELLS) 無鉛	6-87-M66NS-453	(OPTION)
8	BAT.P S LI 10.8V/4.4AH 3S2P GLW/PANASONIC 無鉛	6-87-M6E6S-454	(OPTION)
8	BAT.P S LI 10.8V/7.2AH 3S3P SMP/PANASONIC 無鉛	6-87-M74SS-4CA	(OPTION)
8	BAT.P S LI 10.8V/4AH 3S2P GLW/PANASONIC 72 無鉛	6-87-M660S-453	(OPTION)
8	BAT.P S LI 11.1V/4.4AH 3S2P SMP/BAK-2200 9 無鉛	6-87-M660S-4P4	(OPTION)
8	BAT(外),S,LI, 4.0AH,3S2P,FOR M660N,SMP /PAN 無鉛	6-87-M66NS-4C3	(OPTION)
9	NORTH BRIDGE HEATSINK MODULE CU M760J 無鉛	6-31-M76JN-301	
10	BAT. 20MM 3V 210MAH W/CABLE 56MM CR2032C1- BAT. 20MM 3V 210MAH W/CABLE 56MM CR2032C1-LF-MITSUBISHI 無鉛	6-23-22015-P2C	
11	WLAN 802.11BG AW-GU702 海華MINI-CARD USB RTL8187B WITH POWER SAVING 無鉛	6-88-M5SS2-7000	(OPTION)
12	WCDMA HSDPA MC8775 SIERRAWIRELESS MIN-CARD USB 3.5G 無鉛	6-88-M72SW-720	(OPTION)
13	TOUCH PAD SPONGE (20*5*6) CR M740S 無鉛	6-47-0019A-209	
14	MIC MYLAR(FR83+TERAOKA750F) M740S 無鉛	6-40-M74SS-030	
15	WIRE CABLE 16PIN M/B TO MULTI BOARD FOR M740S 無鉛	6-43-M74S0-010	
16	FINGER BOARD MYLAR FR83 M740S 無鉛	6-40-M74SS-011	
17	ODD LOCK MYLAR FR83 M740S 無鉛	6-40-M74SZ-010	
18	MDC MYLAR FR83 M740S 無鉛	6-40-M74SU-010	
19	MULTI I/O BOARD V3.0 M740S 無鉛	6-77-M74S1-D03	
20	WIRE CABLE 2PIN MULTI BOARD TO MDC MODULE FOR M740S 無鉛	6-43-M74SU-010	
21	PHONE JACK & USB BOARD V3.0A M740S 無鉛	6-77-M74SA-D03A	
22	WIRE CABLE 13PIN M/B TO AUDIO BOARD FOR M740S 無鉛	6-43-M74S0-021	
23	MODEM AZALIA+AC97 ML3054(2.01) 凱碩 MDC 12 PIN MOTOROLA (LOW POWER) L390T 無鉛	6-88-L39T1-5300	(OPTION)
24	ANTENNA WIMAX 2.4G/3.7G/5G PIFA WM2 270MM 無鉛	6-23-7M74T-010	(OPTION)
25	SCREW M2.5*8L KI BK/Z NY ICT 無鉛	6-35-B6125-8R0	
26	SCREW M2*2L KI BK/Z ICT NY(ø8,T=0.6) 無鉛	6-35-B6120-2RE	
27	BOTTOM CASE MODULE M740S 無鉛	6-39-M74S3-013	
27	BOTTOM CASE MODULE 無電鍍 M740S-C 無鉛	6-39-M74S3-011-C	
28	M520G CARD READER RUBBER 無鉛	6-47-M52G8-010	
29	CPU HEATSINK MODULE M740J 無鉛	6-31-M74JN-101	
30	FAN MODULE M740S 無鉛	6-31-M74SS-101	
31	CPU COVER MODULE M740SU 無鉛	6-42-M74SS-101-U	FOR M740J
31	CPU COVER MODULE 無電鍍 M740J-C 無鉛	6-42-M74JS-101-C	FOR M740J-C
32	WIRE CABLE 6PIN M/B TO 8PIN BLUETOOTH MODULE FOR M740S 無鉛	6-43-M74SB-010	(OPTION)
33	BLUETOOTH COVER PC+ABS(CM6140) M740S 無鉛	6-42-M74SB-010	FOR M740J
33	BLUETOOTH COVER PC+ABS(CM6140)無電鍍 M740S-C 無鉛	6-42-M74SB-010-C	FOR M740J-C
34	SCREW M2*10L KI BK/Z ICT NY 無鉛	6-35-B6120-100	
35	BLUETOOTH V2.0 QBTM300 (N6) QCOM 8 PIN USB 無鉛	6-88-M5S45-620	(OPTION)
35	BLUETOOTH V2.0 GUBTCR42M-NS-藍天3 互億8 PIN U 無鉛	6-88-M5S45-390	(OPTION)
36	DVD/DUAL RW ASS'Y (OPTION) M740S 無鉛	6-79-M740S00Q-000	(OPTION)
36	COMBO 24X ASS'Y(OPTION) M740S 無鉛	6-79-M740S00X-010	(OPTION)
37	PRODUCT LABEL FOR M740J 無鉛	6-45-M74J3-010	
37	PRODUCT LABEL FOR M740J-C 無鉛	6-45-M74J3-010-C	
38	W/O HDD ASS'Y M740S 無鉛	6-79-M740S00J-010	
39	HDD COVER MODULE M740S 無鉛	6-42-M74SJ-102	FOR M740J
39	HDD COVER MODULE 無電鍍M740S-C 無鉛	6-42-M74SJ-100-C	FOR M740J-C
40	SCREW M2*3L K1 NI ICT NY 無鉛	6-35-B1120-3RA	
41	HDMI導電布 (10*W5*0.35T) FOR M/B M740T 無鉛	6-47-M74TS-020	
42	E-STAT導電布(15*5*0.35T) FOR M/B M740T 無鉛	6-47-M74TS-010	
43	MYLAR 5*2.5*0.15T (FR83+3M467) M760S 無鉛	6-40-M76SS-030	

Figure A - 3
Bottom (M740J)

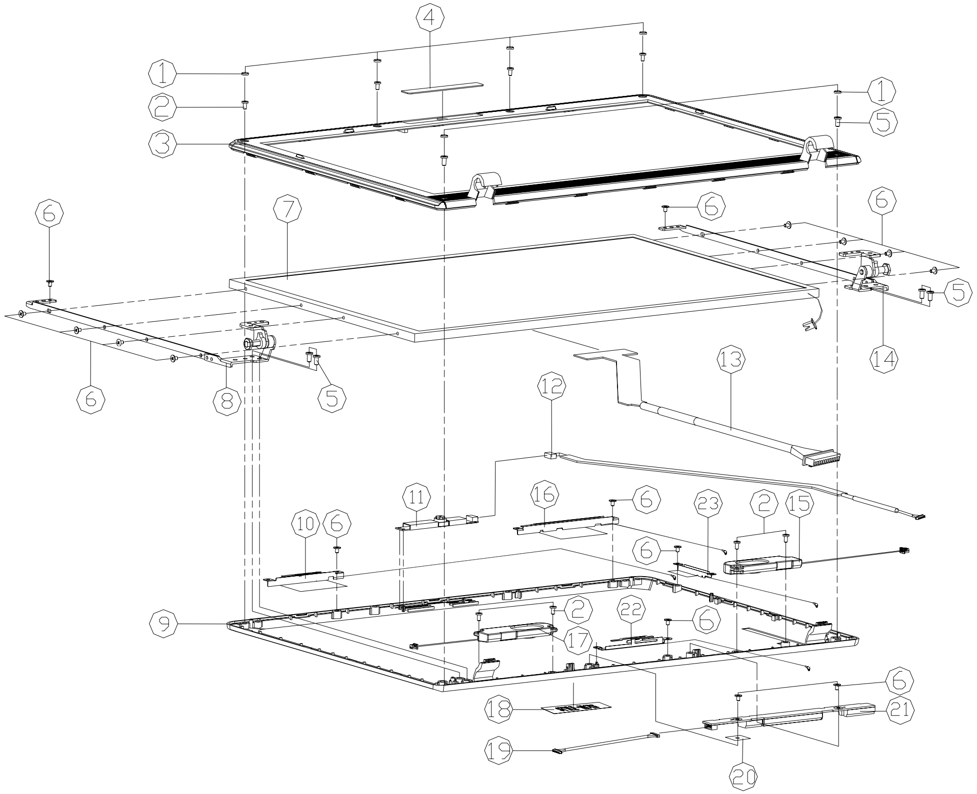
Bottom (M740JU)

Figure A - 4
Bottom (M740JU)



ITEM	PART NAME	PART NO	REMARK
1	CPU SUPPORTER SECC T=1.0MM M740J 無鉛	6-33-M74JS-011	
2	SCREW M2.5*5L KI BK/Z ICT NY-無鉛	6-35-B6125-5RA	
3	MYLAR D10 FR83 M760S 無鉛	6-40-M76S0-010	
4	MAIN BOARD V3.0A (W/ 3G) M740JU 無鉛	6-77-M74J0-D03A-U	
4	MAIN BOARD V3.0A (W/O 3G) M740JU 無鉛	6-77-M74J0-D03A-1U	
5	HEAT SINK MYLAR FR83 M740S 無鉛	6-40-M74SN-011	
6	DUMMY NEW CARD PC+ABS TN120R 無鉛	6-42-T12R3-011	
7	NEW CARD MYLAR FR83 M740T 無鉛	6-40-M74T3-010	
8	BAT(外),S,LI, 4.0AH,3S2P,FOR M660N,GLW /PANASONIC CELL(6 CELLS) 無鉛	6-87-M66NS-453	(OPTION)
8	BAT.P S LI 11.1V/4.4AH 3S2P MITAC/SANYO UR 無鉛	6-87-M74JS-4U4	(OPTION)
8	BAT.P S LI 10.8V/4.4AH 3S2P GLW/PANASONIC 無鉛	6-87-M6E6S-454	(OPTION)
8	BAT.P S LI 11.1V/4.4AH 3S2P SUDC/SANYO B5A 無鉛	6-87-M74SS-4M4	(OPTION)
8	BAT.P S LI 10.8V/4AH 3S2P GLW/PANASONIC 72 無鉛	6-87-M660S-453	(OPTION)
8	BAT.P S LI 11.1V/4.4AH 3S2P SMP/BAK-2200 9 無鉛	6-87-M660S-4P4	(OPTION)
8	BAT(外),S,LI, 4.0AH,3S2P,FOR M660N,SMP /PAN 無鉛	6-87-M66NS-4C3	(OPTION)
9	VGA HEATSINK MODULE M760JU 無鉛	6-31-M76JN-100	
10	BAT. 20MM 3V 210MAH W/CABLE 56MM CR2032T- BAT. 20MM 3V 210MAH W/CABLE 56MM CR2032T-LF-MITSUBISHI 無鉛	6-23-22015-P2C	
11	WLAN 802.11BG AW-GU702 海華 MINI-CARD USB RTL8187B WITH POWER SAVING 無鉛	6-88-M5SS2-7000	(OPTION)
12	WCDMA HSDPA MC8775 SIERRAWIRELESS MIN-CARD USB 3.5G 無鉛	6-88-M72SW-720	(OPTION)
13	TOUCH PAD SPONGE (20*5*6) CR M740S 無鉛	6-47-0019A-209	
14	MIC MYLAR(FR83+TERAOKA750F) M740S 無鉛	6-40-M74SS-030	
15	WIRE CABLE 16PIN M/B TO MULTI BOARD FOR M740S 無鉛	6-43-M74S0-010	
16	FINGER BOARD MYLAR FR83 M740S 無鉛	6-40-M74SS-011	
17	ODD LOCK MYLAR FR83 M740S 無鉛	6-40-M74SZ-010	
18	MDC MYLAR FR83 M740S 無鉛	6-40-M74SU-010	
19	MULTI I/O BOARD V3.0 M740S 無鉛	6-77-M74S1-D03	
20	WIRE CABLE 2PIN MULTI BOARD TO MDC MODULE FOR M740S 無鉛	6-43-M74SU-010	
21	PHONE JACK & USB BOARD V3.0A M740S 無鉛	6-77-M74SA-D03A	
22	WIRE CABLE 13PIN M/B TO AUDIO BOARD FOR M740S 無鉛	6-43-M74S0-021	
23	MODEM AZALIA+AC97 ML3054(2.0) 凱碩 MDC 12 PIN MOTOROLA (LOW POWER) L390T 無鉛	6-88-L39T1-5300	(OPTION)
24	ANTENNA WIMAX 2.4G/3.7G/5G PIFA WM2 270MM 無鉛	6-23-7M74T-010	(OPTION)
25	SCREW M2.5*8L KI BK/Z NY ICT 無鉛	6-35-B6125-8R0	
26	SCREW M2*2L KI BK/Z ICT NY(ø8,T=0.6)無鉛	6-35-B6120-2RE	
27	BOTTOM CASE MODULE M740S 無鉛	6-39-M74S3-013	
28	M520G CARD READER RUBBER 無鉛	6-47-M52G8-010	
29	CPU HEATSINK MODULE M760JU 無鉛	6-31-M76JN-201	
30	FAN MODULE M740S 無鉛	6-31-M74SS-101	
31	CPU COVER MODULE M740S 無鉛	6-42-M74SS-102	
32	WIRE CABLE 6PIN M/B TO 8PIN BLUETOOTH MODULE FOR M740S 無鉛	6-43-M74SB-010	(OPTION)
33	BLUETOOTH COVER PC+ABS(CM6140) M740S 無鉛	6-42-M74SB-010	
34	SCREW M2*10L KI BK/Z ICT NY 無鉛	6-35-B6120-100	
35	BLUETOOTH V2.0 QBTM300 (N6) QCOM 8 PIN USB 無鉛	6-88-M5S45-620	(OPTION)
35	BLUETOOTH V2.0 GUBTCR42M-NS-藍天3 互億8 PIN U無鉛	6-88-M5S45-390	(OPTION)
36	DVD/DUAL RW ASS'Y (OPTION) M740S 無鉛	6-79-M740S00Q-000	(OPTION)
36	COMBO 24X ASS'Y(OPTION) M740S 無鉛	6-79-M740S00X-010	(OPTION)
37	PRODUCT LABEL FOR M740JU 無鉛	6-45-M74JU-010	
38	W/O HDD ASS'Y M740S 無鉛	6-79-M740S00J-010	
39	HDD COVER MODULE M740S 無鉛	6-42-M74SJ-102	
40	SCREW M2*3L K1 NI ICT NY 無鉛	6-35-B1120-3RA	
41	HDMI 導電布 (10*W5*0.35T) FOR M/B M740T 無鉛	6-47-M74TS-020	
42	E-STAT導電布(15*5*0.35T) FOR M/B M740T無鉛	6-47-M74TS-010	
43	MYLAR 5*2.5*0.15T (FR83+3M467) M760S 無鉛	6-40-M76SS-030	

LCD (M740J/M740JU)



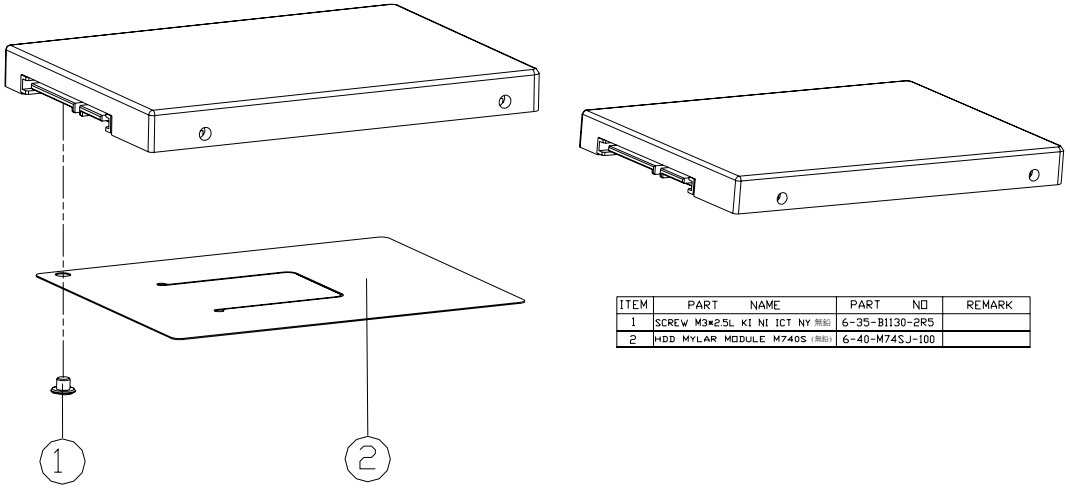
ITEM	PART NAME	PART NO	REMARK
1	LCD FRONT COVER SCREW HOLE RUBBER M720S 無鉛	6-47-M72S1-021	
2	SCREW M2*4L I BZ ICT GTY-PATCH (T=0.8 D=4) 無鉛	6-35-C6120-4RB	
3	LCD FRONT COVER MODULE M740S 無鉛	6-39-M74S1-012	
4	CCD LNES (PMMA) M740S 無鉛	6-42-M74S1-010	FOR CCD
4	CCD LNES (FR700) M740S 無鉛	6-42-M74S1-020	FOR W/O CCD
5	SCREW M2.5*5L KI BK/Z ICT NY 無鉛	6-35-B6125-5RA	
6	SCREW M2*3L K1 NI ICT GTY-PATCH 無鉛	6-35-B1120-3RE	
7	LCD 14.1" WXGA AU B141EW04 V.4 (GLARE TYPE) 5.5MM 無鉛	6-50-JC255-G05	(OPTION)
7	LCD 14.1" WXGA CHIMEI N141I3-L05 5.5MM 無鉛	6-50-JC255-D07	(OPTION)
7	LCD 14.1" WXGA+ CHIMEI N141C1-L05 5.5MM 無鉛	6-50-J7255-D04	(OPTION)
7	LCD 14.1" WXGA+ AU B141PW01 V.1 5.5MM 無鉛	6-50-J7255-G00	(OPTION)
8	LCD HINGE L(SECC+SK7) M740S 無鉛	6-33-M74S1-022	
9	LCD BACK COVER MODULE M740S 無鉛	6-39-M74S1-021	
9	LCD BACK COVER MODULE (無鋁箔) M740S-C 無鉛	6-39-M74S1-020-C	
10	ANTENNA WIMAX 2.4G/3.7G/5G PIFA WM1 530MM 精乘 M740S 無鉛	6-23-7M74S-020	
11	UVC CAMERA BISON FIX BN28M4S7-000 1.3M M740TU 無鉛	6-88-M740C-4921	
11	UVC CAMERA BISON FIX BN2824S7-000 2M M740TU 無鉛	6-88-M740C-4911	
12	WIRE CABLE 5PIN M/B TO CCD 274.25MM MODULE 無鉛	6-43-M74ST-011	FOR CCD
13	WIRE CABLE 30PIN M/B TO LCD 219.05MM FOR M740S 無鉛	6-43-M74S1-010	
14	LCD HINGE R (SECC+SK7) M740S 無鉛	6-33-M74S1-012	
15	SPK+ CABLE 76MM 1.5W 8? (FG-2515AP4) R-SIDE M740S 無鉛	6-23-5M74S-011	
16	ANTENNA WCDMA 3G PIFA 450MM 精乘 M740S 無鉛	6-23-7M74S-010	(OPTION)
17	SPK+ CABLE 76MM 1.5W 8? (FG-2515AP4) L-SIDE M740S 無鉛	6-23-5M74S-021	
18	STYLE-NOTE中性LOGO(電鑄薄膜鍍亮銘)M740S 無鉛	6-45-M74S1-012	
19	WIRE CABLE FOR M/B TO INVERTER 158.5MM 6 PIN M740S 無鉛	6-43-M74SR-011	
20	INVERTER MYLAR (FR83+NITTON 5011) M760S 無鉛	6-40-M76S1-010	
21	INVERTER MODULE R0A MITAC DA-1A08-CV02NL (M660JEINT-D) M660SR 無鉛	6-76-M6R6R-010	(OPTION)
21	INVERTER MODULE 1A SUMIDA TWS-400-9658(M660SRUINT-E) M660SRU 無鉛	6-76-M660R-011	(OPTION)
22	ANTENNA WIMAX 2.4G/3.7G/5G PIFA WM3 345MM 精乘 M740T 無鉛	6-23-7M74T-021	(OPTION)
23	ANTENNA BLUETOOTH 2.4G PIFA BT 285MM 精乘 M740S 無鉛	6-23-7M74S-030	(OPTION)

Figure A - 5
LCD (M740J/ M740JU)

A.Part Lists

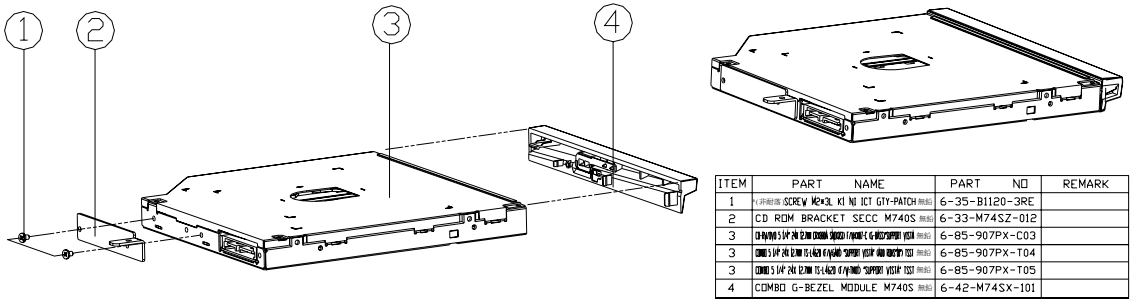
HDD (M740J/M740JU)

Figure A - 6
HDD
(M74J/M740JU)



ITEM	PART NAME	PART NO	REMARK
1	SCREW M3*2.5L KI NI ICT NY 無鉛	6-35-B1130-2R5	
2	HDD MYLAR MODULE M740S (無鉛)	6-40-M74SJ-100	

COMBO (M740J/M740JU)

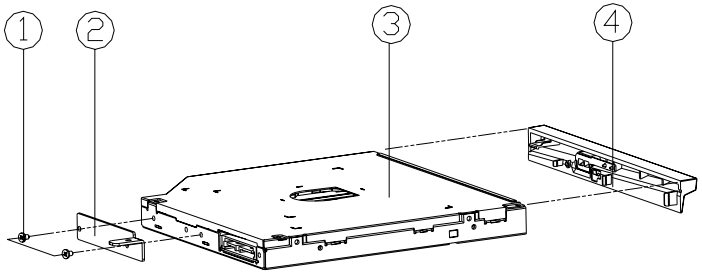


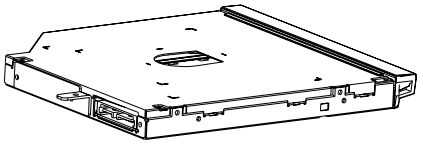
ITEM	PART NAME	PART NO	REMARK
1	SCREW M2*3L K1 NI ICT GTY-PATCH	6-35-B1120-3RE	
2	CD ROM BRACKET SECC M740S	6-33-M74SZ-012	
3	[illegible]	6-85-907PX-C03	
3	[illegible]	6-85-907PX-T04	
3	[illegible]	6-85-907PX-T05	
4	COMBO G-BEZEL MODULE M740S	6-42-M74SX-101	

Figure A - 7
COMBO (M740J/M740JU)

DVD-Dual Drive (M740J/M740JU)

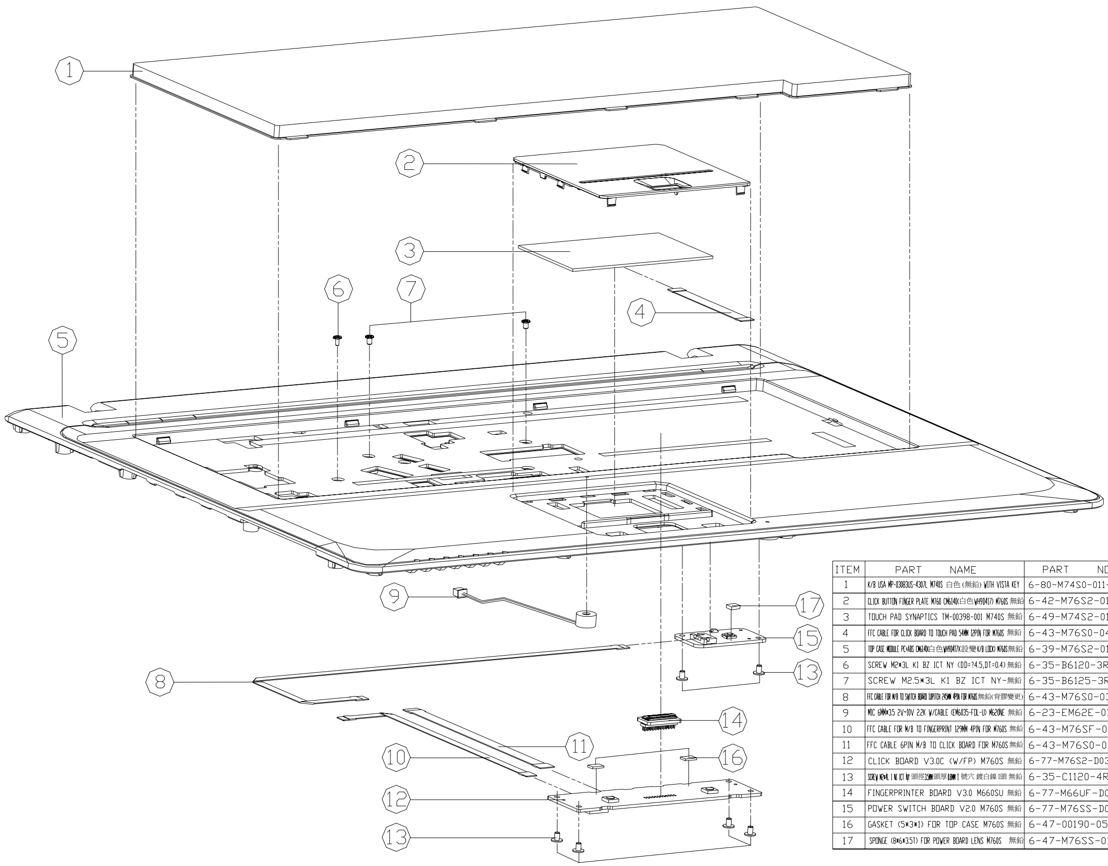
Figure A - 8
DVD-Dual Drive (M740J/M740JU)





ITEM	PART NAME	PART NO	REMARK
1	SCREW M2*3L KI NI ICT GTY-PATCH	6-35-B1120-3RE	
2	CD ROM BRACKET SECC M740S	6-33-M74SZ-012	
3	[illegible]	6-85-A078X-T04	
3	[illegible]	6-85-A078X-C0A	
4	SUPER MULTI G-BEZEL MODULE M740S	6-42-M74SQ-101	

Top with Fingerprint (M760J/M760JU)

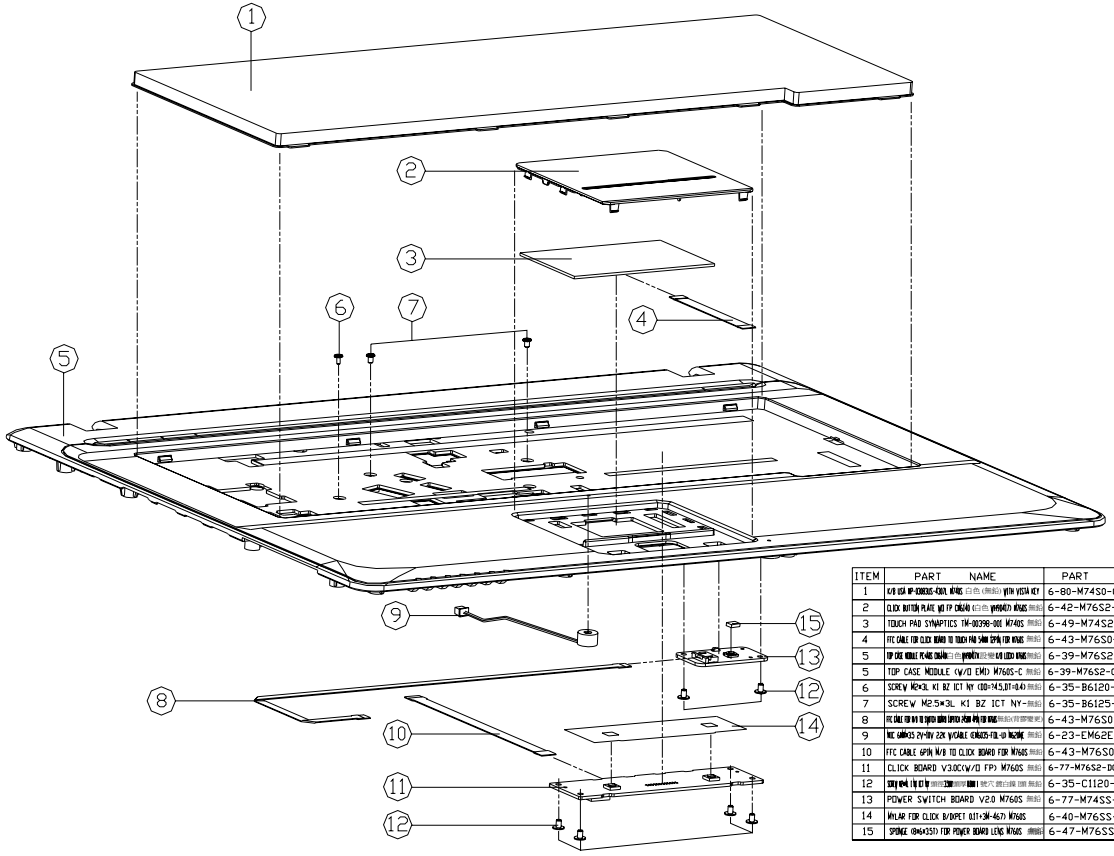


ITEM	PART NAME	PART NO	REMARK
1	K/B USA MP-03083US-4307L M740S 白色 (無鉛) WITH VISTA KEY	6-80-M74S0-011-1	
2	CLICK BUTTON FINGER PLATE M760 CM6140(白色WH9D417) M760S 無鉛	6-42-M76S2-012	
3	TOUCH PAD SYNAPTICS TM-00398-001 M740S 無鉛	6-49-M74S2-010	
4	FFC CABLE FOR CLICK BOARD TO TOUCH PAD 54MM 12PIN FOR M760S 無鉛	6-43-M76S0-041	
5	TOP CASE MODULE PC+ABS CM6140(白色WH9D417X設變K/B LOCK) M760S無鉛	6-39-M76S2-014	
6	SCREW M2*3L K1 BZ ICT NY (DD=?4.5,DT=0.4) 無鉛	6-35-B6120-3RD	
7	SCREW M2.5*3L K1 BZ ICT NY-無鉛	6-35-B6125-3R0	
8	FFC CABLE FOR M/B TO SWITCH BOARD 1.0PITCH 245MM 4PIN FOR M760S無鉛(背膠變更)	6-43-M76S0-031	
9	MIC 6MM*3.5 2V~10V 2.2K W/CABLE (EM6035-FOL-U) M620NE 無鉛	6-23-EM62E-010	
10	FFC CABLE FOR M/B TO FINGERPRINT 129MM 4PIN FOR M760S 無鉛	6-43-M76SF-011	
11	FFC CABLE 6PIN M/B TO CLICK BOARD FOR M760S 無鉛	6-43-M76S0-011	
12	CLICK BOARD V3.0C (W/FP) M760S 無鉛	6-77-M76S2-D03C	
13	SCREW M2*4L I NI ICT NY 頭徑3.5MM頭厚0.8MM 1 號穴 鍍白鎳 I頭 無鉛	6-35-C1120-4RB	
14	FINGERPRINTER BOARD V3.0 M660SU 無鉛	6-77-M66UF-D03	
15	POWER SWITCH BOARD V2.0 M760S 無鉛	6-77-M76SS-D02	
16	GASKET (5*3*1) FOR TOP CASE M760S 無鉛	6-47-00190-05K	
17	SPONGE (8*6*3.5T) FOR POWER BOARD LENS M760S 無鉛	6-47-M76SS-010	

Figure A - 9
Top with Fingerprint (M760J/M760JU)

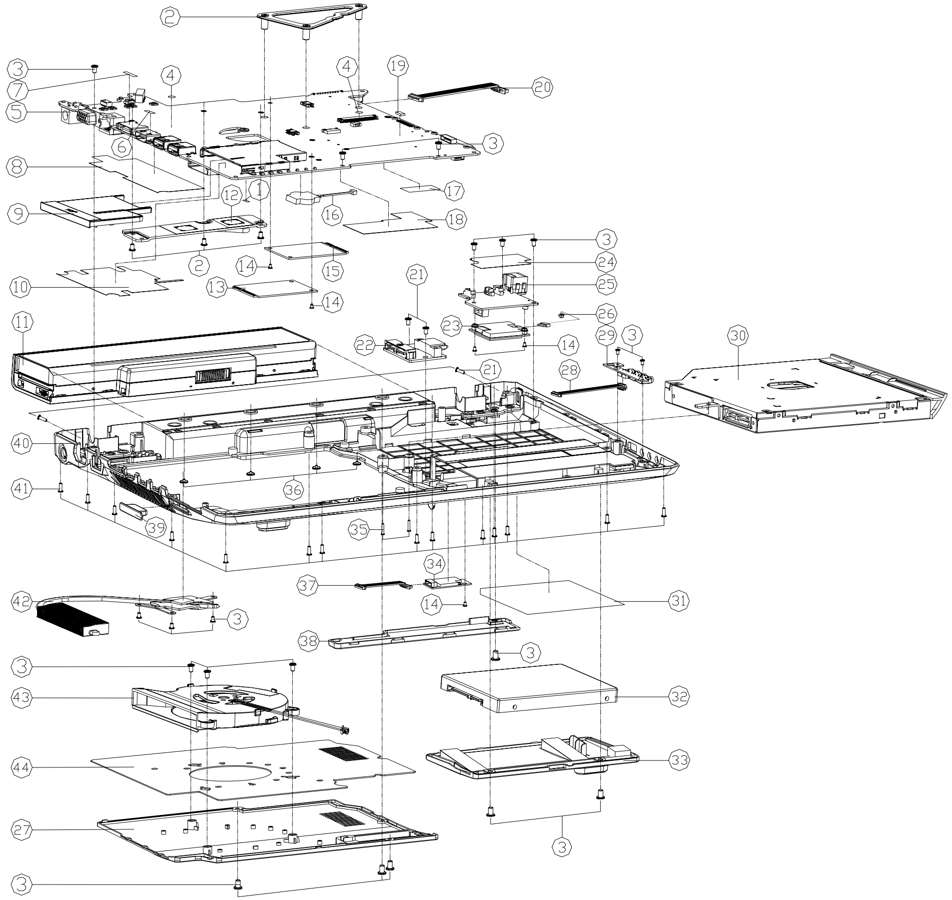
Top without Fingerprint (M760J/M760JU)

Figure A - 10
Top without Fingerprint (M760J/M760JU)



ITEM	PART NAME	PART NO	REMARK
1	[illegible]	6-80-M74S0-011-1	
2	CLICK BUTTON PLATE W/O FP CHEAP	6-42-M76S2-082	
3	TOUCH PAD SYNAPTICS TM-00398-001 M740S	6-49-M74S2-010	
4	FFC CABLE FOR CLICK BOARD TO TOUCH PAD 5MM OPEN FOR M760S	6-43-M76S0-041	
5	[illegible]	6-39-M76S2-014	
5	TOP CASE MODULE (W/O EMI) M760S-C	6-39-M76S2-010-C	
6	SCREW M2*3L K1 BZ ICT NY	6-35-B6120-3RD	
7	SCREW M2.5*3L K1 BZ ICT NY	6-35-B6125-3R0	
8	[illegible]	6-43-M76S0-031	
9	[illegible]	6-23-EM62E-010	
10	FFC CABLE 6PIN W/B TO CLICK BOARD FOR M760S	6-43-M76S0-011	
11	CLICK BOARD V3.0C(W/O FP) M760S	6-77-M76S2-D03C-1	
12	[illegible]	6-35-C1120-4RB	
13	POWER SWITCH BOARD V2.0 M760S	6-77-M74SS-D02	
14	MYLAR FOR CLICK B/D(PET 0.11+3M-467) M760S	6-40-M76SS-040	
15	SPONGE (8*4*3.5T) FOR POWER BOARD LENS M760S	6-47-M76SS-010	

Bottom (M760J)

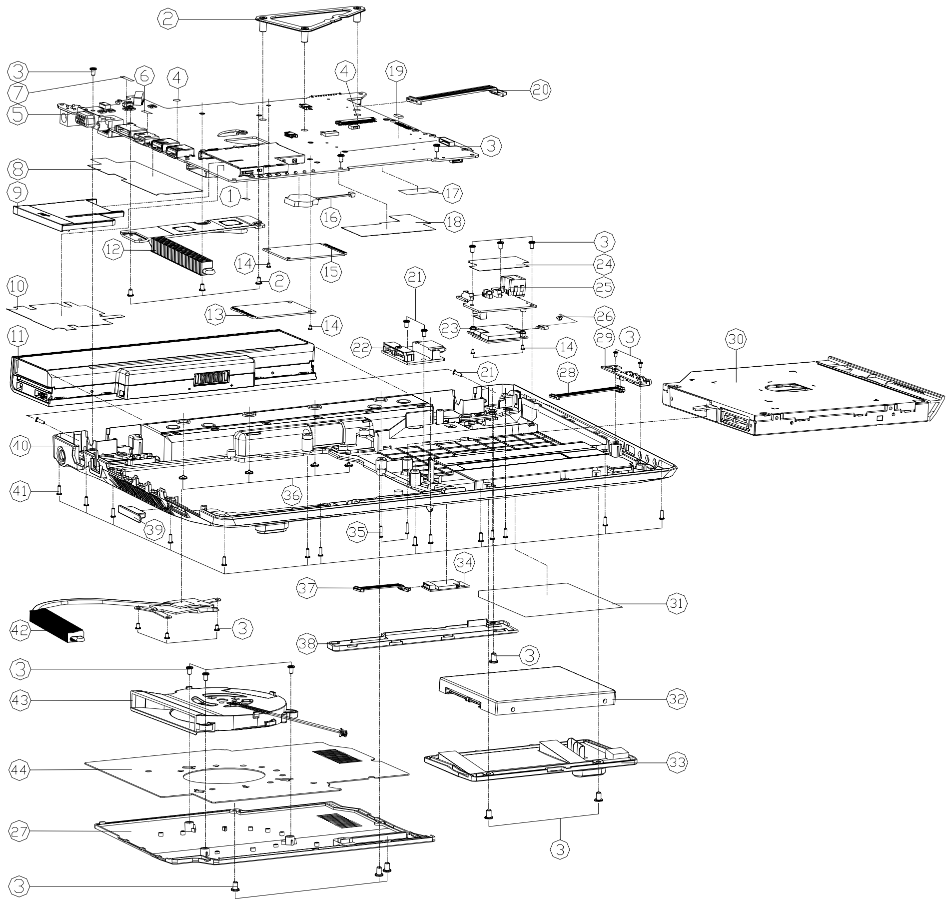


ITEM	PART NAME	PART NO	REMARK
1	MYLAR 5*2.5*0.15T (FR83+3M467) M760S 無鉛	6-40-M76SS-030	
2	CPU SUPPORTER SECC T=1.0MM M740J 無鉛	6-33-M74JS-011	
3	SCREW M2.5*5L KI BK/Z ICT NY-無鉛	6-35-B6125-5RA	
4	MYLAR D10 FR83 M760S 無鉛	6-40-M76S0-010	
5	MAIN BOARD V3.0 (W/3G) M760J 無鉛	6-77-M76J0-D03	
5	MAIN BOARD V3.0 (W/O 3G) M760J 無鉛	6-77-M76J0-D03-1	
6	HDMI 導電布 (10*W5*0.35T) FOR M/B M740T 無鉛	6-47-M74TS-020	
7	E-STAT導電布(15*5*0.35T) FOR M/B M740T無鉛	6-47-M74TS-010	
8	HEAT SINK MYLAR FR83 M740S 無鉛	6-40-M74SN-011	
9	DUMMY NEW CARD PC+ABS TN120R 無鉛	6-42-T12R3-011	
10	NEW CARD MYLAR FR83 M740S無鉛	6-40-M74T3-010	
11	BAT.P S LI 11.1V/4.4AH 3S2P MITAC/SANYO UR 無鉛	6-87-M74JS-4U4	
11	BAT.P S LI 10.8V/4.4AH 3S2P GLW/PANASONIC 無鉛	6-87-M6E6S-454	(OPTION)
11	BAT.P S LI 11.1V/4.4AH 3S2P SUDC/SANYO B5A 無鉛	6-87-M74SS-4M4	(OPTION)
11	BAT.P S LI 10.8V/4AH 3S2P GLW/PANASONIC 72 無鉛	6-87-M660S-453	(OPTION)
11	BAT.P S LI 11.1V/4.4AH 3S2P SMP/BAK-2200 9 無鉛	6-87-M660S-4P4	(OPTION)
11	BAT(外),S,LI, 4.0AH,3S2P,FOR M660N,SMP /PAN 無鉛	6-87-M66NS-4C3	(OPTION)
11	BAT(外),S,LI, 4.0AH,3S2P,FOR M660N,GLW /PAN 無鉛	6-87-M66NS-453	(OPTION)
12	NORTH BRIDGE HEATSINK MODULE CU M760J 無鉛	6-31-M76JN-301	
13	WCDMA HSDPA MC8775 SIERRAWIRELESS MIN-CARD USB 3.5G 無鉛	6-88-M72SW-720	(OPTION)
14	*(非耐落)SCREW M2*3L KI NI ICT GTY-PATCH (DD=?4.0,DT=0.8) 無鉛	6-35-B1120-3RD	
15	WLAN 802.11BG AW-GU702海華MINI-CARD USB RTL8187B WITH POWER SAVING 無鉛	6-88-M5SS2-7000	(OPTION)
16	BAT. 20MM 3V 210MAH W/CABLE 56MM CR2032C1- BAT. 20MM 3V 210MAH W/CABLE 56MM CR2032C1-LF-MITSUBISH 無鉛	6-23-22015-P2C	
17	TAPE MYLAR (A),MYLAR M550J 無鉛	6-40-M55J2-010	
18	ODD LOCK MYLAR FR83 M740S 無鉛	6-40-M74SZ-010	
19	MIC MYLAR(FR83+TERAOKA750F) M740S 無鉛	6-40-M74SS-030	
20	WIRE CABLE 16PIN M/B TO MULTI BOARD 110MM FOR M760S 無鉛	6-43-M76S0-022	
21	SCREW M2*4L KI BZ ICT NY- 無鉛	6-35-B6120-4RA	
22	ODD BRIDGE BOARD V3.0 M760S 無鉛	6-77-M76SN-D03	
23	MODEM AZALIA+AC97 ML3054(2.01) 凱碩 MDC 12 PIN MOTOROLA (LOW POWER) L390T 無鉛	6-88-L39T1-5300	(OPTION)
24	MDC MYLAR FR83 M740S 無鉛	6-40-M74SU-010	
25	MULTI I/O BOARD V3.0 M740S 無鉛	6-77-M74S1-D03	
26	WIRE CABLE 2PIN MULTI BOARD TO MDC MODULE FOR M740S 無鉛	6-43-M74SU-010	
27	CPU COVER MODULE M760S (黑色)(無鉛)	6-42-M76SS-102	
28	WIRE CABLE 13PIN M/B TO AUDIO BOARD 180MM FOR M760S 無鉛	6-43-M76S0-052	
29	PHONE JACK & USB BOARD V3.0A M740S 無鉛	6-77-M74SA-D03A	
30	DVD/DUAL RW(SUPER MULTI) 'Y (OPTION) M760S 無鉛	6-79-M760S00Q-010	(OPTION)
30	DVD/DUAL RW(SUPER MULTI) 'Y (OPTION) M760S 無鉛	6-79-M760J00Q-010	(OPTION)
30	COMBO 24X ASS'Y(OPTION) M760S 無鉛	6-79-M760S00X-010	(OPTION)
31	PRODUCT LABEL FOR M760J 無鉛	6-45-M76J3-010	
32	W/O HDD ASS'Y M760S 無鉛	6-79-M760S00J-010	
33	HDD COVER MODULE (黑色) M760S 無鉛	6-42-M76SJ-102	
34	BLUETOOTH V2.0 QBTM300 (N6) QCOM 8 PIN USB 無鉛	6-88-M5S45-620	(OPTION)
34	BLUETOOTH V2.0 GUBTCR42M-NS-藍天3 互億8 PIN U 無鉛	6-88-M5S45-390	(OPTION)
35	SCREW M2*8L K1 BK/Z ICT NY 無鉛	6-35-B6120-8R0	
36	SCREW M2*2L KI BK/Z ICT NY(ø8,T=0.6) 無鉛	6-35-B6120-2RE	
37	WIRE CABLE 6PIN M/B TO 8PIN BLUETOOTH MODULE 50MM FOR M760S 無鉛	6-43-M76SB-011	(OPTION)
38	BT COVER MODULE (黑色) M760S 無鉛	6-42-M76SB-101	
39	RUBBER(CARD READER)(SILICON,H-60,60 度,黑色) M760S 無鉛	6-47-M76S8-010	
40	BOTTOM CASE MODULE (黑色/DVT後設變咬花) M760S 無鉛	6-39-M76S3-012	
41	SCREW M2.5*8L KI BK/Z NY ICT 無鉛	6-35-B6125-8R0	
42	CPU HEATSINK MODULE M740J 無鉛	6-31-M74JN-101	
43	FAN MODULE M740S 無鉛	6-31-M74SS-101	
44	AL FOIL(T=0.1MM)+SK-TT-219 M760J 無鉛	6-47-M76JS-020	

Figure A - 11
Bottom (M760J)

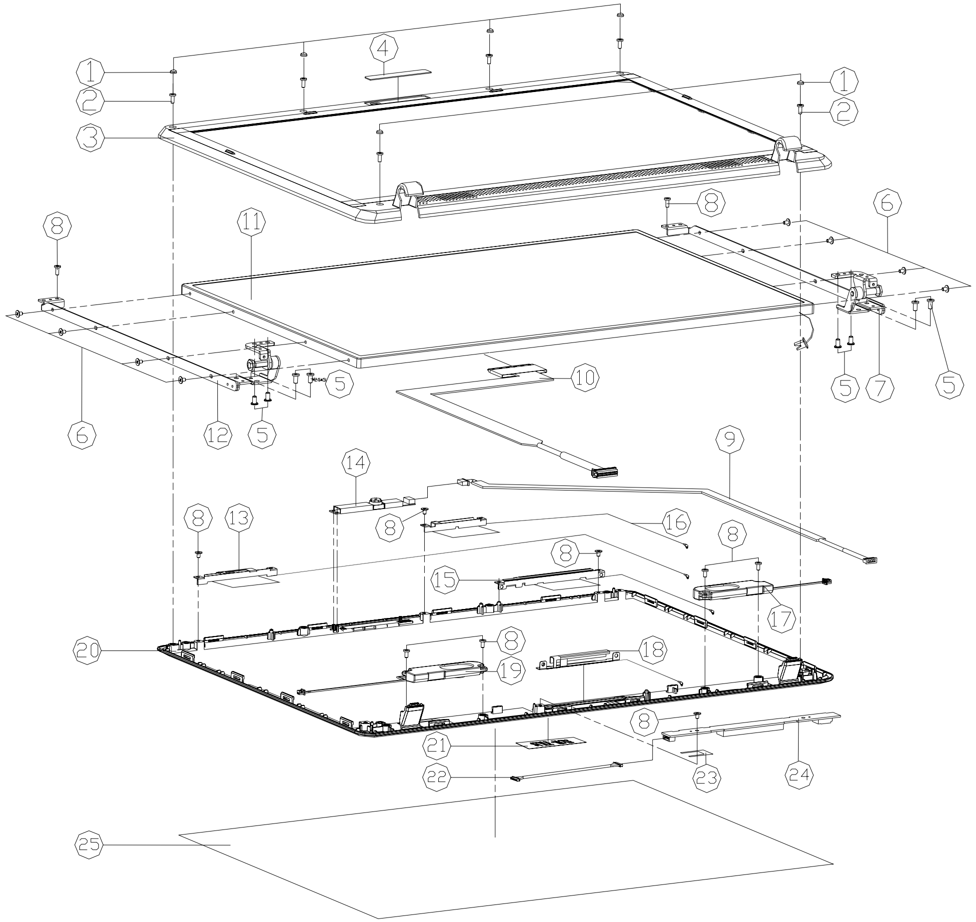
Bottom (M760JU)

Figure A - 12
Bottom (M760JU)



ITEM	PART NAME	PART NO	REMARK
1	MYLAR 5*2.5*0.15T (FR83+3M467) M760S 無鉛	6-40-M76SS-030	
2	CPU SUPPORTER SECC T=1.0MM M740J 無鉛	6-33-M74JS-011	
3	SCREW M2.5*5L KI BK/Z ICT NY-無鉛	6-35-B6125-5RA	
4	MYLAR D10 FR83 M760S 無鉛	6-40-M76S0-010	
5	MAIN BOARD V3.0A (W/3G) M760JU 無鉛	6-77-M76J0-D03A-U	
5	MAIN BOARD V3.0A (W/O 3G) M760JU 無鉛	6-77-M76J0-D03A-1U	
6	HDMI 導電布 (10*W5*0.35T) FOR M/B M740T 無鉛	6-47-M74TS-020	
7	E-STAT導電布(15*5*0.35T) FOR M/B M740T無鉛	6-47-M74TS-010	
8	HEAT SINK MYLAR FR83 M740S 無鉛	6-40-M74SN-011	
9	DUMMY NEW CARD PC+ABS TN120R 無鉛	6-42-T12R3-011	
10	NEW CARD MYLAR FR83 M740T 無鉛	6-40-M74T3-010	
11	BAT.P S LI 11.1V/4.4AH 3S2P MITAC/SANYO UR 無鉛	6-87-M74JS-4U4	(OPTION)
11	BAT.P S LI 10.8V/4.4AH 3S2P GLW/PANASONIC 無鉛	6-87-M6E6S-454	(OPTION)
11	BAT.P S LI 11.1V/4.4AH 3S2P SUDC/SANYO B5A 無鉛	6-87-M74SS-4M4	(OPTION)
11	BAT.P S LI 10.8V/4AH 3S2P GLW/PANASONIC 72 無鉛	6-87-M660S-453	(OPTION)
11	BAT.P S LI 11.1V/4.4AH 3S2P SMP/BAK-2200 9 無鉛	6-87-M660S-4P4	(OPTION)
11	BAT(外),S,LI, 4.0AH,3S2P,FOR M660N,SMP /PAN 無鉛	6-87-M66NS-4C3	(OPTION)
11	BAT(外),S,LI, 4.0AH,3S2P,FOR M660N,GLW /PAN 無鉛	6-87-M66NS-453	(OPTION)
12	VGA HEATSINK MODULE M760JU 無鉛	6-31-M76JN-101	
13	WCDMA HSDPA MC8775 SIERRAWIRELESS MIN-CARD USB 3.5G 無鉛	6-88-M72SW-720	(OPTION)
14	*(非耐落)SCREW M2*3L KI NI ICT GTY-PATCH (DD=?4.0,DT=0.8) 無鉛	6-35-B1120-3RD	
15	WLAN 802.11BG AW-GU702海華 MINI-CARD USB RTL8187B WITH POWER SAVING 無鉛	6-88-M5SS2-7000	(OPTION)
16	BAT. 20MM 3V 210MAH W/CABLE 56MM CR2032C1- BAT. 20MM 3V 210MAH W/CABLE 56MM CR2032C1-LF-MITSUBISHI 無鉛	6-23-22015-P2C	
17	TAPE MYLAR (A),MYLAR M550J 無鉛	6-40-M55J2-010	
18	ODD LOCK MYLAR FR83 M740S 無鉛	6-40-M74SZ-010	
19	MIC MYLAR(FR83+TERAOKA750F) M740S 無鉛	6-40-M74SS-030	
20	WIRE CABLE 16PIN M/B TO MULTI BOARD 110MM FOR M760S 無鉛	6-43-M76S0-022	
21	SCREW M2*4L KI BZ ICT NY 無鉛	6-35-B6120-4RA	
22	ODD BRIDGE BOARD V3.0 M760S 無鉛	6-77-M76SN-D03	
23	MODEM AZALIA+AC97 ML3054(2.0) 凱碩 MDC 12 PIN MOTOROLA (LOW POWER) L390T 無鉛	6-88-L39T1-5300	(OPTION)
24	MDC MYLAR FR83 M740S 無鉛	6-40-M74SU-010	
25	MULTI I/O BOARD V3.0 M740S 無鉛	6-77-M74S1-D03	
26	WIRE CABLE 2PIN MULTI BOARD TO MDC MODULE FOR M740S 無鉛	6-43-M74SU-010	
27	CPU COVER MODULE M760S (黑色)(無鉛)	6-42-M76SS-102	
28	WIRE CABLE 13PIN M/B TO AUDIO BOARD 180MM FOR M760S 無鉛	6-43-M76S0-052	
29	PHONE JACK & USB BOARD V3.0A M740S 無鉛	6-77-M74SA-D03A	
30	DVD/DUAL RW(SUPER MULTI) 'Y (OPTION) M760S 無鉛	6-79-M760S00Q-010	(OPTION)
30	DVD/DUAL RW(SUPER MULTI) 'Y (OPTION) M760S 無鉛	6-79-M760J00Q-010	(OPTION)
30	COMBO 24X ASS'Y(OPTION) M760S 無鉛	6-79-M760S00X-010	(OPTION)
30	PATA DVD COMBO 24X/8X TSST TS-L462D/TMGE 無鉛	6-79-M760JU0X-010	(OPTION)
31	PRODUCT LABEL FOR M760JU 無鉛	6-45-M76JU-010	
32	W/O HDD ASS'Y M760S 無鉛	6-79-M760S00J-010	
33	HDD COVER MODULE (黑色) M760S 無鉛	6-42-M76SJ-102	
34	BLUETOOTH V2.0 QBTM300 (N6) QCOM 8 PIN USB 無鉛	6-88-M5S45-620	(OPTION)
34	BLUETOOTH V2.0 GUBTCR42M-NS-藍天3 互億 8 PIN U 無鉛	6-88-M5S45-390	(OPTION)
35	SCREW M2*8L K1 BK/Z ICT NY 無鉛	6-35-B6120-8R0	
36	SCREW M2*2L KI BK/Z ICT NY(ø8,T=0.6)無鉛	6-35-B6120-2RE	
37	WIRE CABLE 6PIN M/B TO 8PIN BLUETOOTH MODULE 50MM FOR M760S 無鉛	6-43-M76SB-011	(OPTION)
38	BT COVER MODULE (黑色) M760S 無鉛	6-42-M76SB-101	
39	RUBBER(CARD READER)(SILICON,H-60,60 度,黑色) M760S 無鉛	6-47-M76S8-010	
40	BOTTOM CASE MODULE (黑色/DVT後設變咬花) M760S 無鉛	6-39-M76S3-012	
41	SCREW M2.5*8L KI BK/Z NY ICT 無鉛	6-35-B6125-8R0	
42	CPU HEATSINK MODULE M760JU 無鉛	6-31-M76JN-201	
43	FAN MODULE M740S 無鉛	6-31-M74SS-101	
44	AL FOIL(T=0.1MM)+SK-TT-219 M760J 無鉛	6-47-M76JS-020	

LCD (M760J/M760JU)

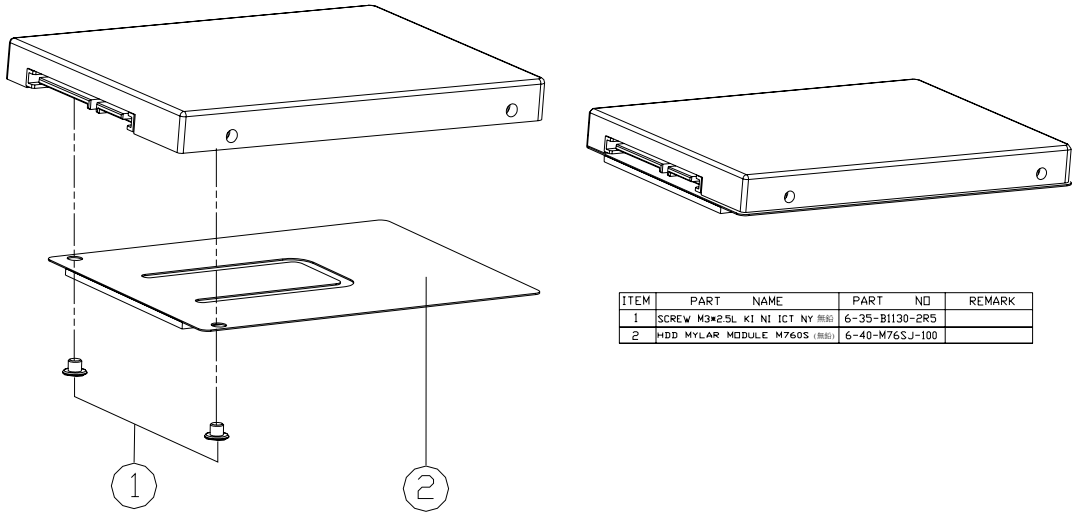


ITEM	PART NAME	PART NO	REMARK
1	LCD FRONT COVER RUBBER SILICON D=4.6MM T=1.3MM M760S 無鉛	6-47-M76S1-010	
2	SCREW M2*5L KI(T=0.8 D=4.0) BK/Z ICT NY 無鉛	6-35-B6120-5R0	
3	LCD FRONT COVER MODULE M760S 無鉛	6-39-M76S1-011	
4	CCD COSMETIC PMMA T=0.5MM M760S 無鉛	6-42-M76S1-031	W/ CCD
4	W/O CCD COSMETIC 0.5T PMMA M760S 無鉛	6-42-M76S1-040	W/O CCD
5	SCREW M2.5*5L KI BK/Z ICT NY 無鉛	6-35-B6125-5RA	
6	*(非耐落) SCREW M2*3L K1 NI ICT GTY-PATCH 無鉛	6-35-B1120-3RE	
7	LCD HINGE-R SECC M760S 無鉛	6-33-M76S1-011	
8	SCREW M2*4L I NI ICT NY 頭徑 3.5MM 頭厚 0.8MM | 號穴 鍍白鎳 | 頭 無鉛	6-35-C1120-4RB	
9	WIRE CABLE 5PIN M/B TO CCD 300MM MODULE FOR M760S 無鉛	6-43-M76ST-021	FOR CCD
10	WIRE CABLE 30PIN M/B TO LCD 240MM FOR M760S 無鉛	6-43-M76S1-010	
11	LCD AU B154PW01 V.1 15.4" WXGA+ (1440X90 無鉛	6-50-L7261-G01	(OPTION)
11	LCD 15.4" WXGA+ CHIMEI N154C3-L02 GLARE T 無鉛	6-50-L7265-D00	(OPTION)
11	LCD 15.4" WSXGA+ CHIMEI N154Z1-L02 GLARE 無鉛	6-50-LA265-D00	(OPTION)
11	LCD 15.4" WXGA AU B154EW02 V.5 (GLARE TYPE 無鉛	6-50-LC264-G00	(OPTION)
11	LCD 15.4" WXGA AU B154EW08 V.1 GLARE TYPE 無鉛	6-50-LC261-G00	(OPTION)
11	LCD 15.4" WXGA AU B154EW04 V.7 6.35MM (QD1 無鉛	6-50-LC263-G00	(OPTION)
11	LCD 15.4" WXGA CHIMEI N154I2-L02 GLARE TYPE 無鉛	6-50-LC265-D00	(OPTION)
12	LCD HINGE-L SECC M760S 無鉛	6-33-M76S1-021	
13	ANTENNA WLAN 2.4G/3.3G/5G PIFA WM1 (BLACK) 無鉛	6-23-7M76S-010	
14	UVC CAMERA BISON FIX BN28M4S7-000 1.3M M740TU 無鉛	6-88-M740C-4922	(OPTION)
14	UVC CAMERA BISON FIX BN2824S7-000 2M M740TU 無鉛	6-88-M740C-4911	(OPTION)
15	ANTENNA WCDMA PIFA 3G 600MM 精乘 M740J 無鉛	6-23-7M74J-010	(OPTION)
16	ANTENNA BLUETOOTH 2.4G/5G PIFA BT(黑色)400MM 惠貿 M760S 無鉛	6-23-7M76S-051	(OPTION)
17	SPK+ CABLE 76MM 1.5W 8? (P2016VMG04-1) R-S M740S 無鉛	6-23-5M74S-030	
18	ANTENNA WLAN 2.4G/3.3G/5G PIFA WM2(黑色)385MM 惠貿 M760S 無鉛	6-23-7M76S-021	(OPTION)
19	SPK+CABLE 76MM 1.5W 8? (P2016VMG04-1) L-SIDE M740S 無鉛	6-23-5M74S-042	
20	LCD BACK COVER MODULE M760S 無鉛	6-39-M76S1-021	
21	STYLE-NOTE 中性 LOGO(電鑄薄膜鍍亮鉻)M740S(偉鎖)無鉛	6-45-M74S1-012-1	
22	WIRE CABLE FOR M/B TO INVERTER 158.5MM 6 PIN M740S 無鉛	6-43-M74SR-011	
23	INVERTER MYLAR (FR83+NITTON 5011) M760S 無鉛	6-40-M76S1-010	
24	INVERTER MODULE ROA MITAC DA-1A08-CV02NL (M660JEINT-D) M660SR 無鉛	6-76-M6R6R-010	(OPTION)
24	INVERTER MODULE 1A SUMIDA TWS-400-9658(M660SRUINT-E) M660SRU 無鉛	6-76-M660R-011	(OPTION)
25	后蓋保護 <390MM*200M> 無鉛	6-40-00150-392	

Figure A - 13
LCD (M760J/ M760JU)

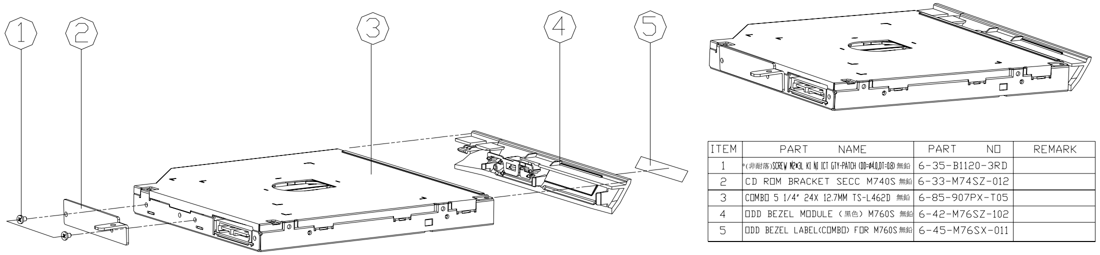
HDD (M760J/M760JU)

Figure A - 14
HDD
(M760J /M760JU)



ITEM	PART NAME	PART NO	REMARK
1	SCREW M3*2.5L KI NI ICT NY (無鉛)	6-35-B1130-2R5	
2	HDD MYLAR MODULE M760S (無鉛)	6-40-M76SJ-100	

COMBO (M760J/M760JU)

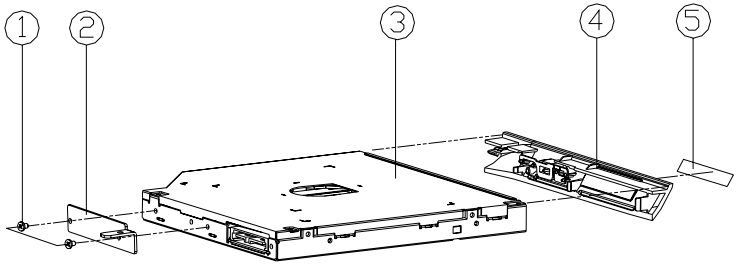


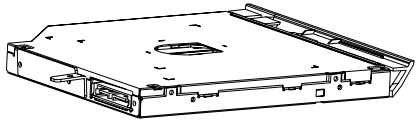
ITEM	PART NAME	PART NO	REMARK
1	*(非耐落)SCREW M2*3L KI NI ICT GTY-PATCH (DD=ø4.0,DT=0.8) 無鉛	6-35-B1120-3RD	
2	CD ROM BRACKET SECC M740S 無鉛	6-33-M74SZ-012	
3	COMBO 5 1/4" 24X 12.7MM TS-L462D 無鉛	6-85-907PX-T05	
4	ODD BEZEL MODULE（黑色）M760S 無鉛	6-42-M76SZ-102	
5	ODD BEZEL LABEL(COMBO) FOR M760S 無鉛	6-45-M76SX-011	

Figure A - 15
COMBO (M760J/M760JU)

DVD-Dual Drive (M760J/M760JU)

Figure A - 16
DVD-Dual Drive (M760J/M760JU)





ITEM	PART NAME	PART NO	REMARK
1	[illegible]	6-35-B1120-3RD	
2	CD ROM BRACKET SECC M740S	6-33-M74SZ-012	
3	[illegible]	6-85-A078X-C0A	FOR QSI
3	[illegible]	6-85-A078X-T04	FOR TSST
4	ODD BEZEL MODULE (黑色) M760S	6-42-M76SZ-102	
5	ODD BEZEL LABEL(SUPER MULTI) M760S	6-45-M76SZ-011	

Appendix B: Schematic Diagrams

This appendix has circuit diagrams of the ***M740J/M740JU/M760J/M760JU*** notebook's PCB's. The following table indicates where to find the appropriate schematic diagram.

Diagram - Page	Diagram - Page	Diagram - Page
System Block Diagram - Page B - 2	*HDMI, CRT - Page B - 18*	*VCORE VDD CORE - Page B - 34*
Clock Generator - Page B - 3	*SB700-1 - Page B - 19*	*VCORE VDD CORE - Page B - 35*
CPU-1 - Page B - 4	*SB700-2 - Page B - 20*	*1.8V, 0.9V - Page B - 36*
CPU-2 - Page B - 5	*SB700-3 - Page B - 21*	*1.1VS, 1.2V, 1.2VS, 2.5V - Page B - 37*
CPU-3 - Page B - 6	*SB700-4 - Page B - 22*	*VGA CORE 1.5VS - Page B - 38*
CPU-4 - Page B - 7	*New Card, Mini PCIE - Page B - 23*	*VDD3, VDD5 - Page B - 39*
DDRII S0-DIMM 0 - Page B - 8	*3G, PATA ODD, eSATA - Page B - 24*	*CHARGER, DC IN - Page B - 40*
DDRII S0-DIMM 1 - Page B - 9	*USB, FAN, TP, FP, MULTI CON - Page B - 25*	*CLICK FINGER BOARD FOR M76 - Page B - 41*
RS780M-1 - Page B - 10	*CARD READER - Page B - 26*	*MULTI FUNCTION BOARD - Page B - 42*
RS780M-2 - Page B - 11	*ISATA HDD, LED, HOTKEY, BT - Page B - 27*	*AUDIO BOARD - Page B - 43*
RS780M-3 - Page B - 12	*PCIE GIGALAN RTL8111C - Page B - 28*	*FINGER SENSOR BOARD - Page B - 44*
M82-XT-1 - Page B - 13	*AUDIO CODEC ALC662 - Page B - 29*	*POWER SWITCH BOARD FOR M74 - Page B - 45*
M82-XT-2 - Page B - 14	*AUDIO AMP2056 - Page B - 30*	*FINGER BOARD FOR M74 - Page B - 46*
M82-XT-3 - Page B - 15	*KBC ITE IT8512E - Page B - 31*	*EXTERNAL ODD BOARD FOR M76 - Page B - 47*
DDRII 32MX16 - Page B - 16	*1.8VS, 3,3VS, 5VS, 1.1VS, 3.3V - Page B - 32*	*POWER SWITCH BOARD FOR M76 - Page B - 48*
LVDS, INVERTER - Page B - 17	*VGA POWER & POWER GD - Page B - 33*	

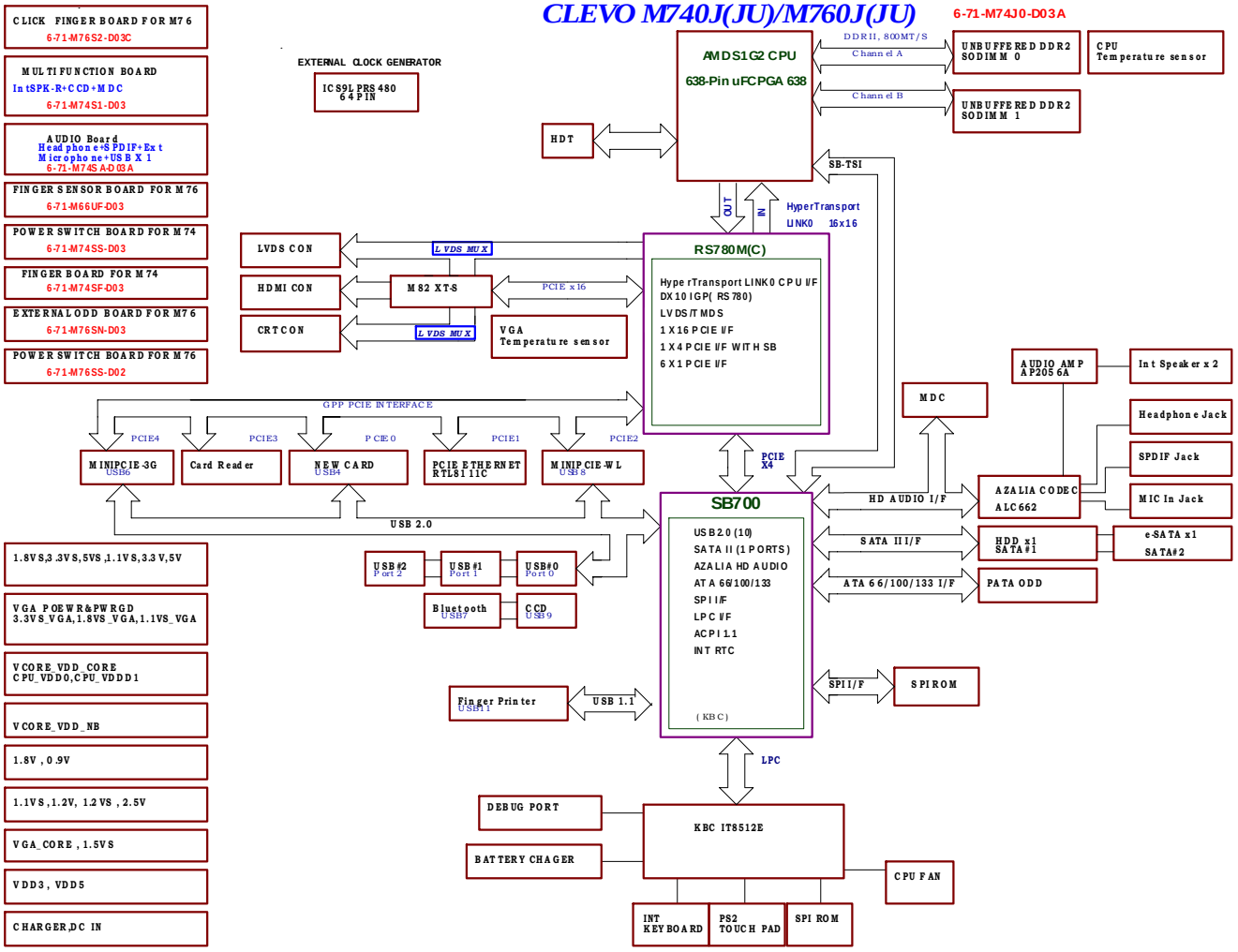
Table B - 1
Schematic Diagrams

Version Note

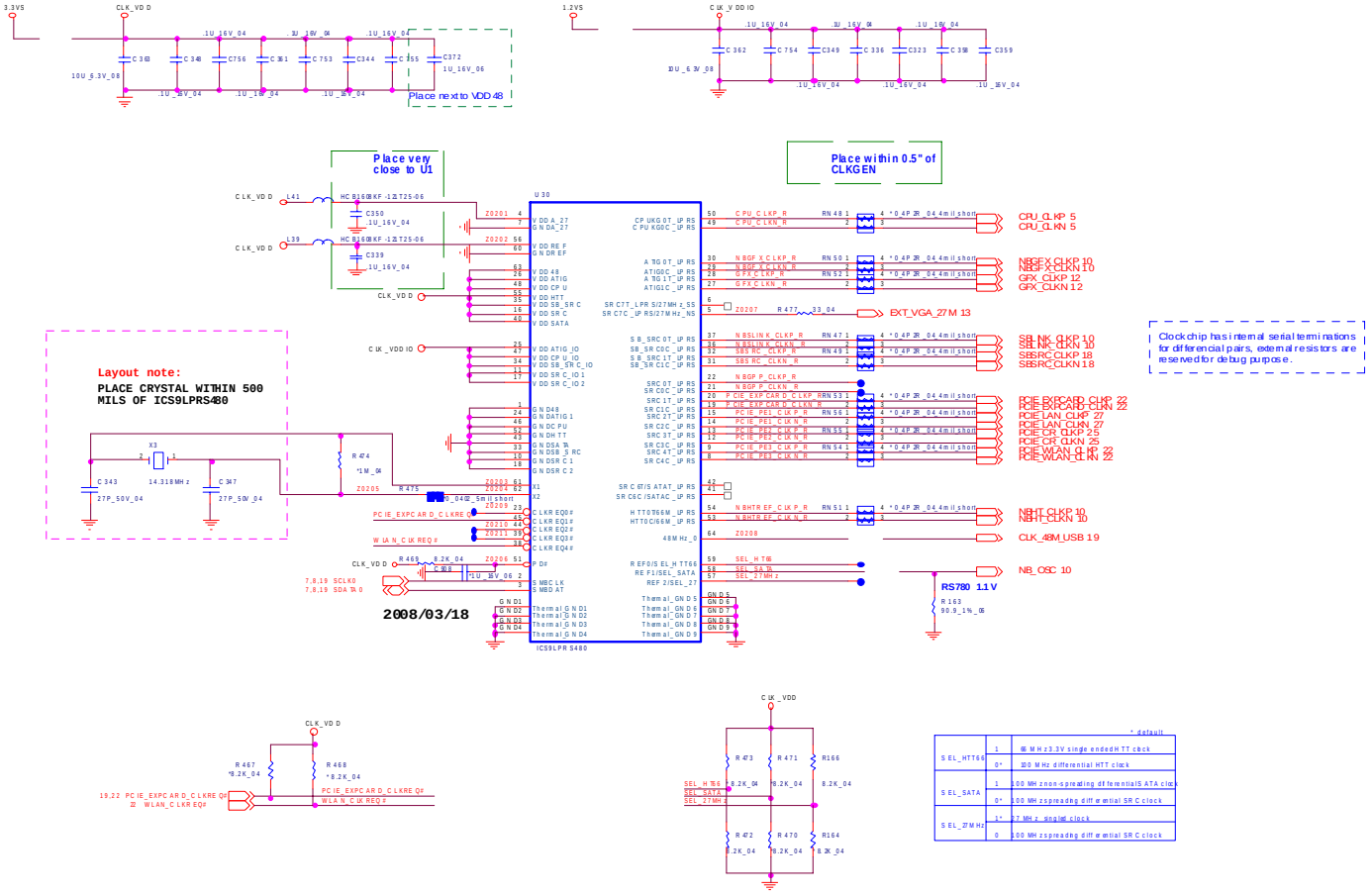
The schematic diagrams in this chapter are based upon version 6-7P-M74J9-003. If your mainboard (or other boards) are a later version, please check with the Service Center for updated diagrams (if required).

System Block Diagram

Sheet 1 of 47
System Block Diagram



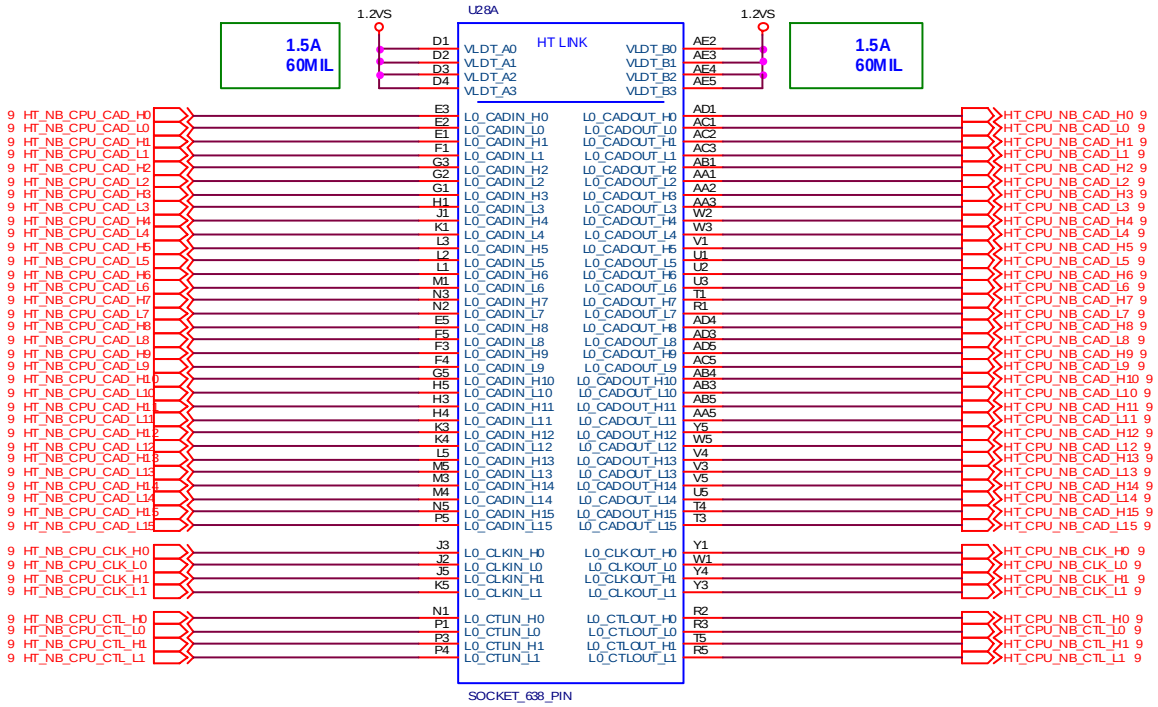
Clock Generator

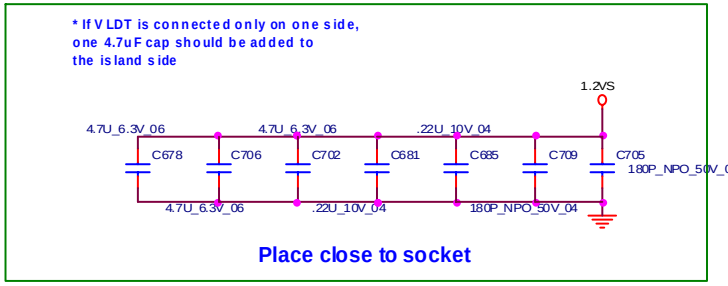


Sheet 2 of 47
Clock Generator

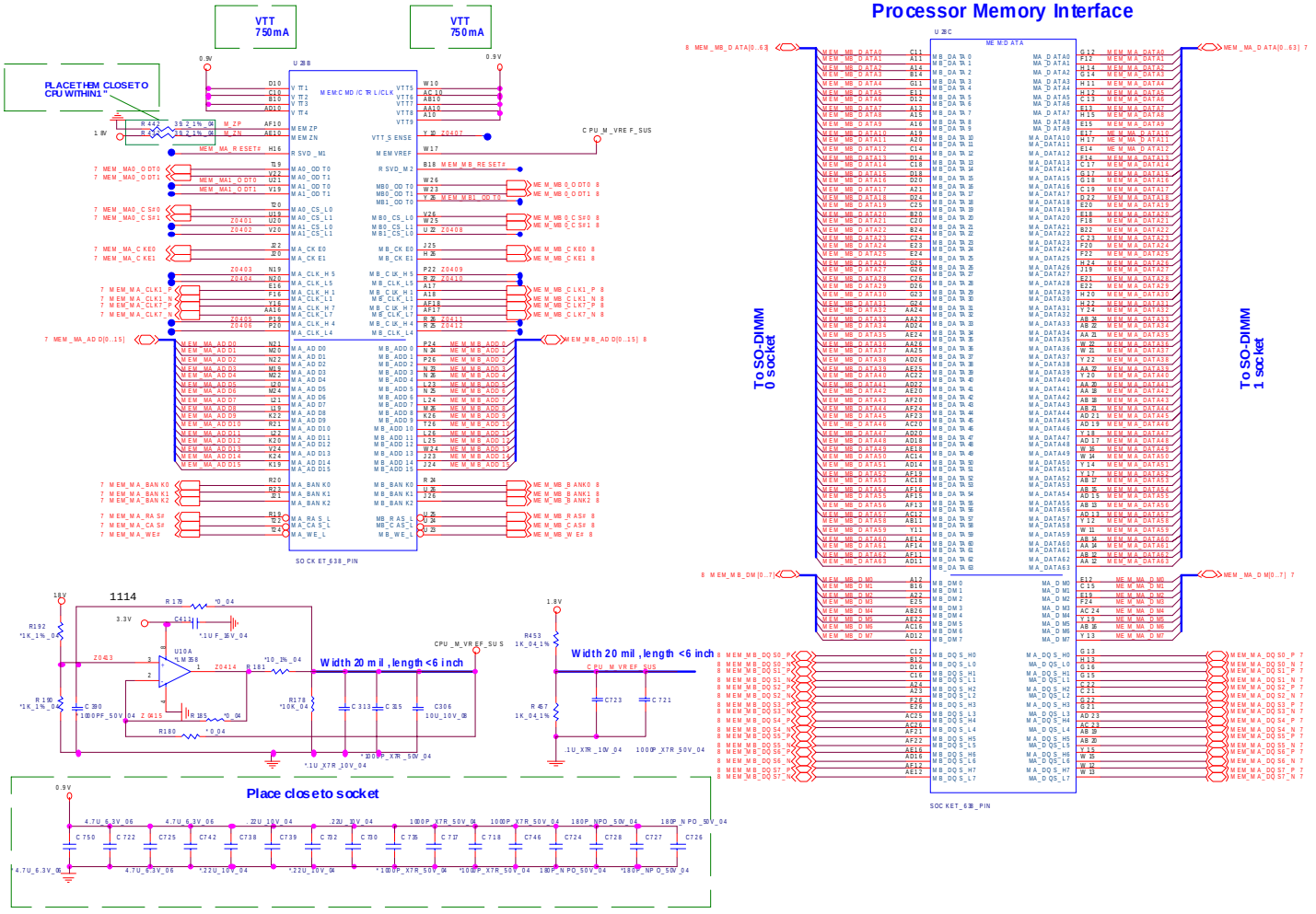
CPU-1

Sheet 3 of 47
CPU-1





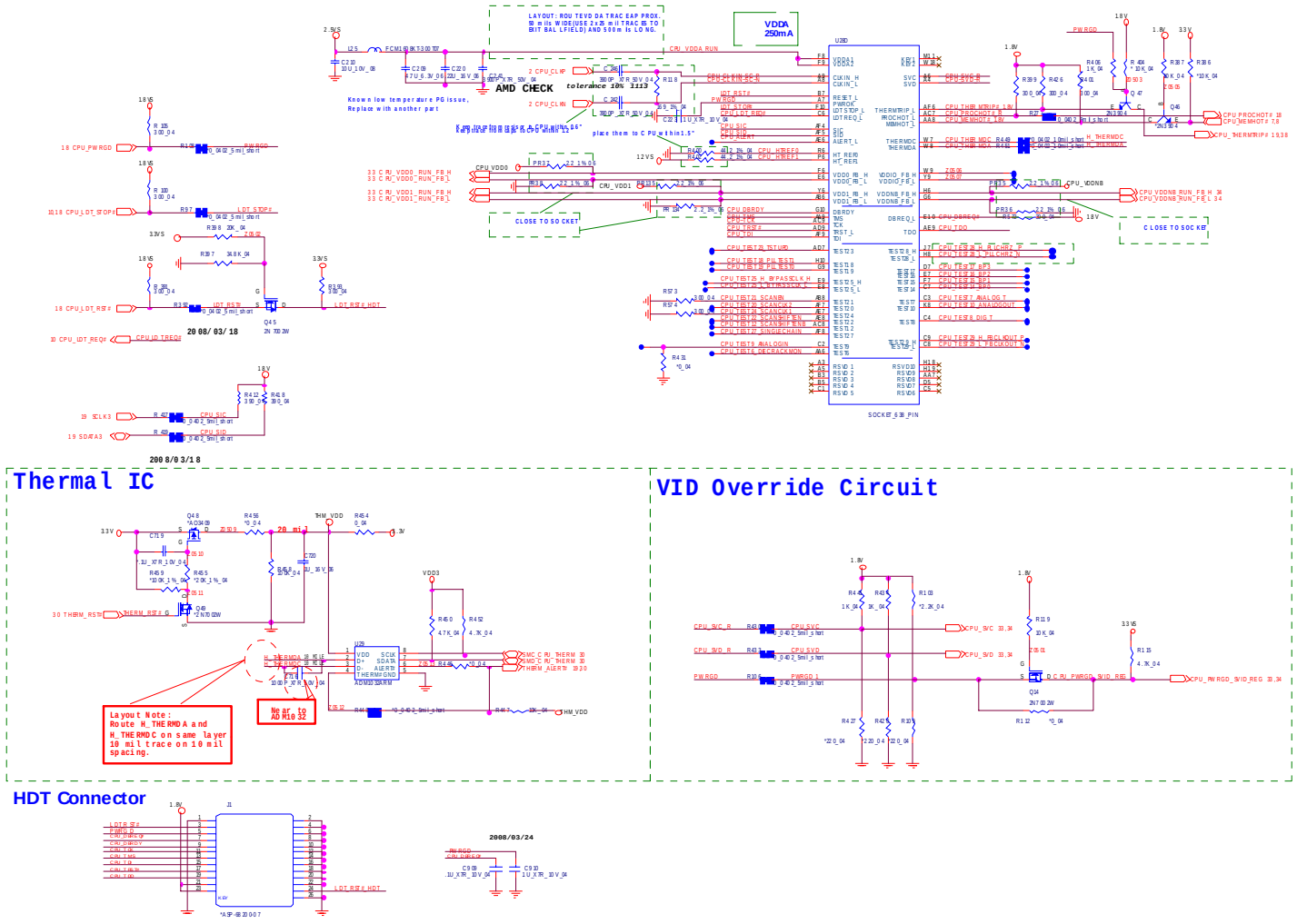
CPU-2



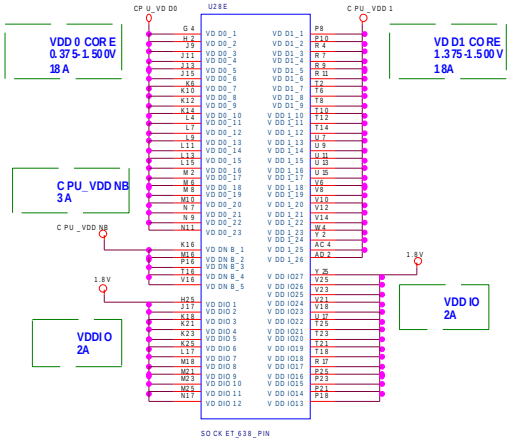
Sheet 4 of 47
CPU-2

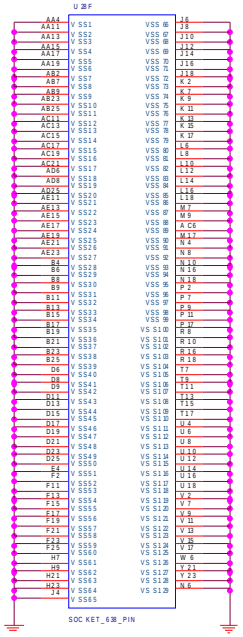
CPU-3

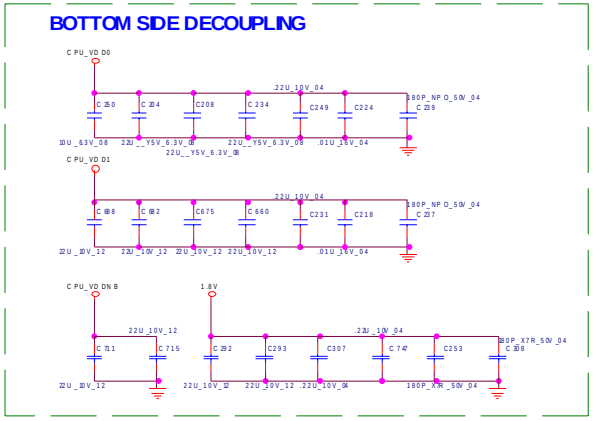
Sheet 5 of 47
CPU-3

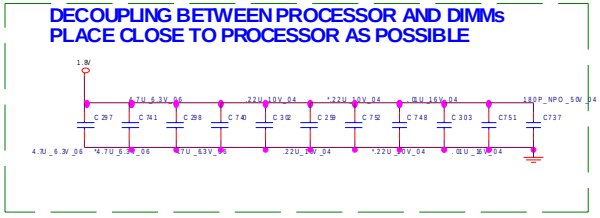


CPU-4





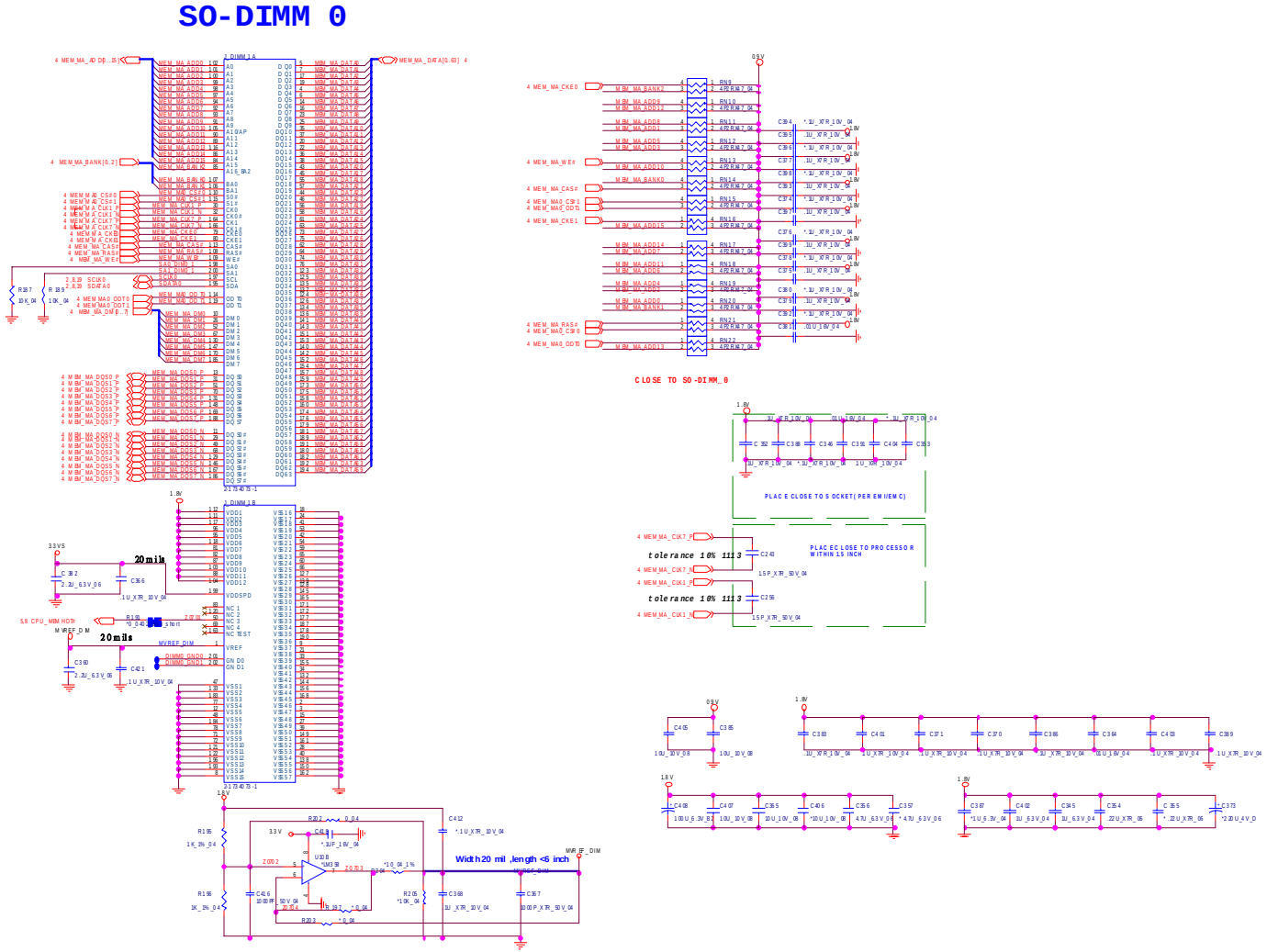




Sheet 6 of 47
CPU-4

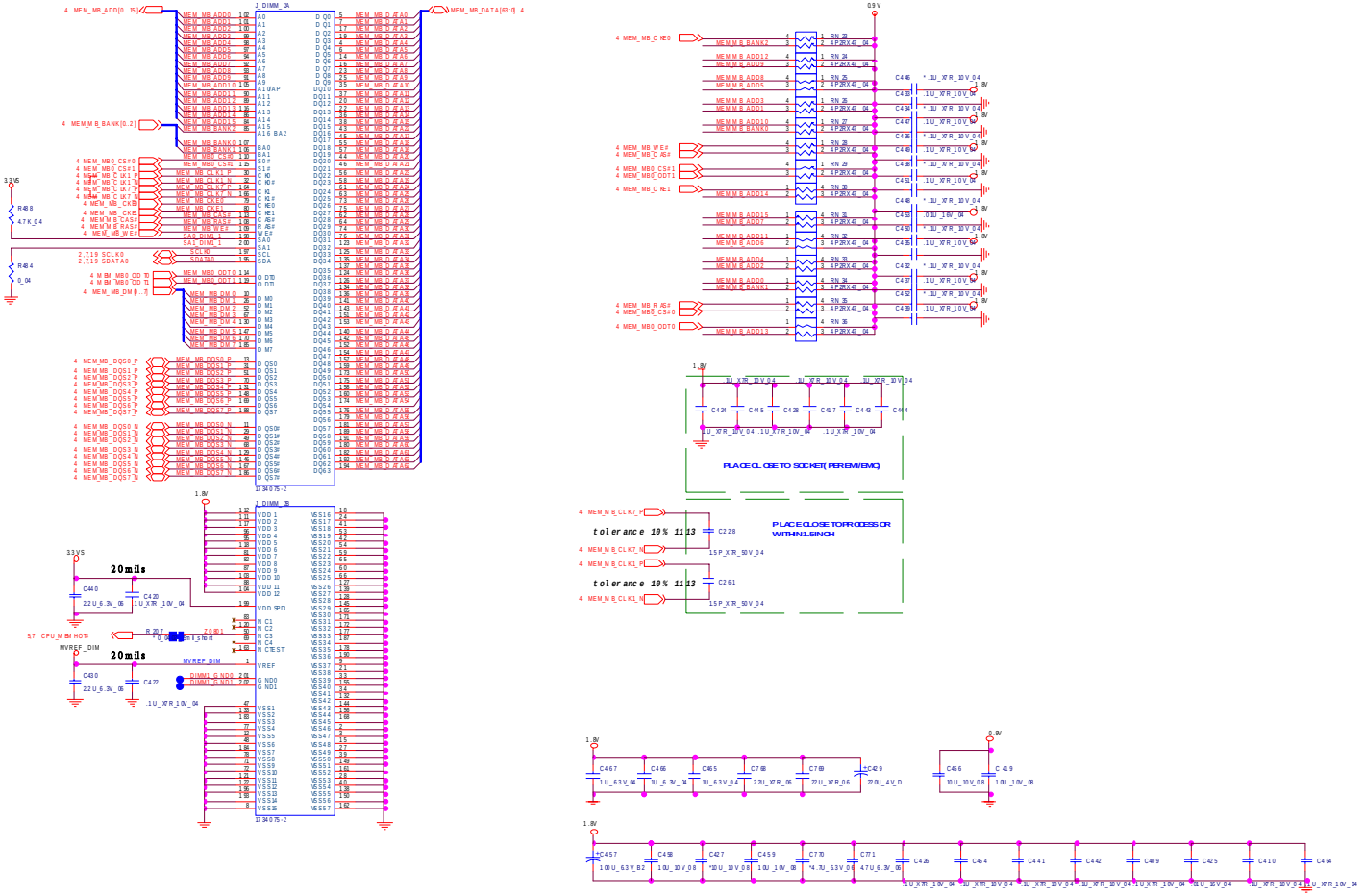
DDRII S0-DIMM 0

Sheet 7 of 47
DDRII S0-DIMM 0



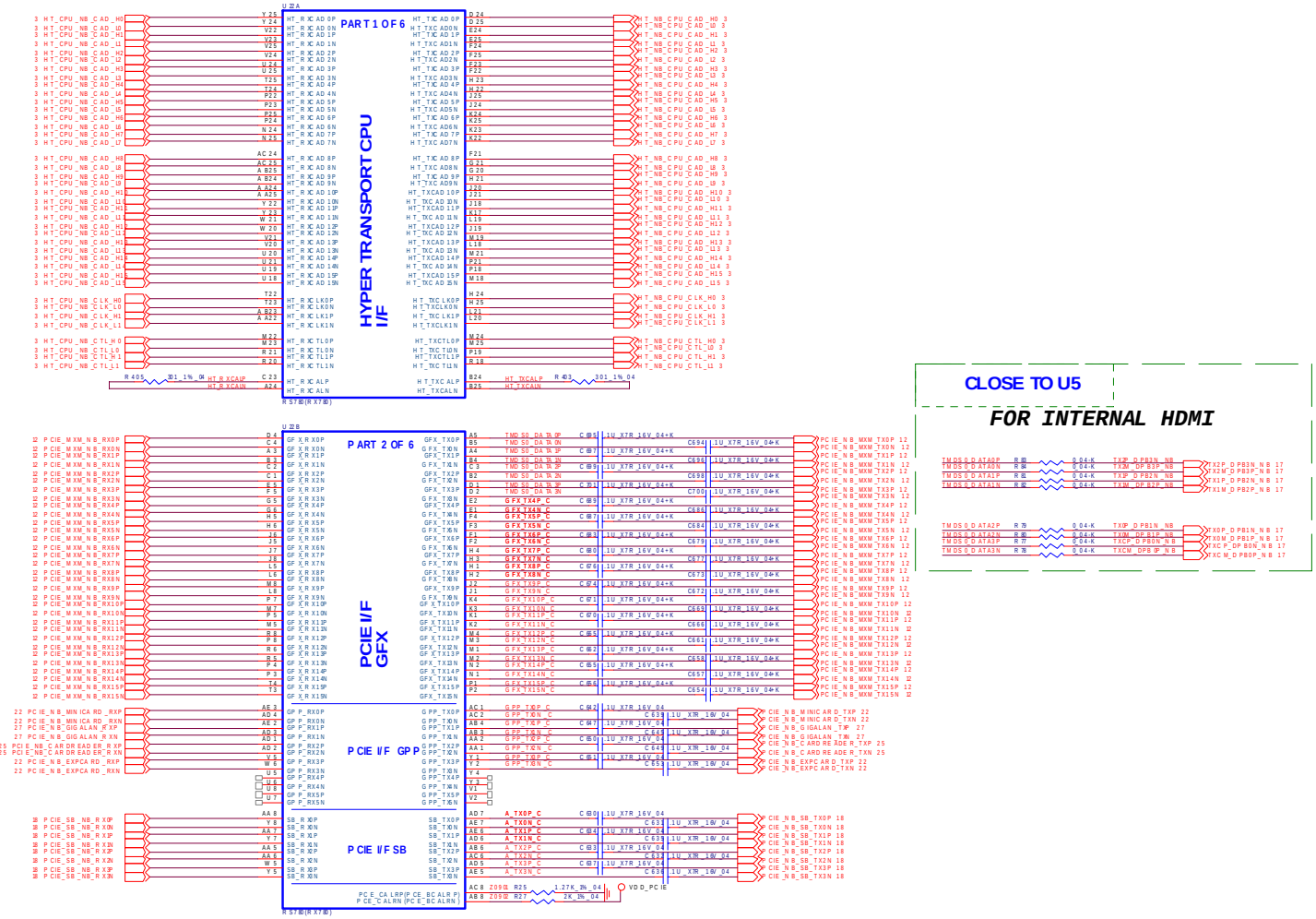
DDRII S0-DIMM 1

SO-DIMM 1

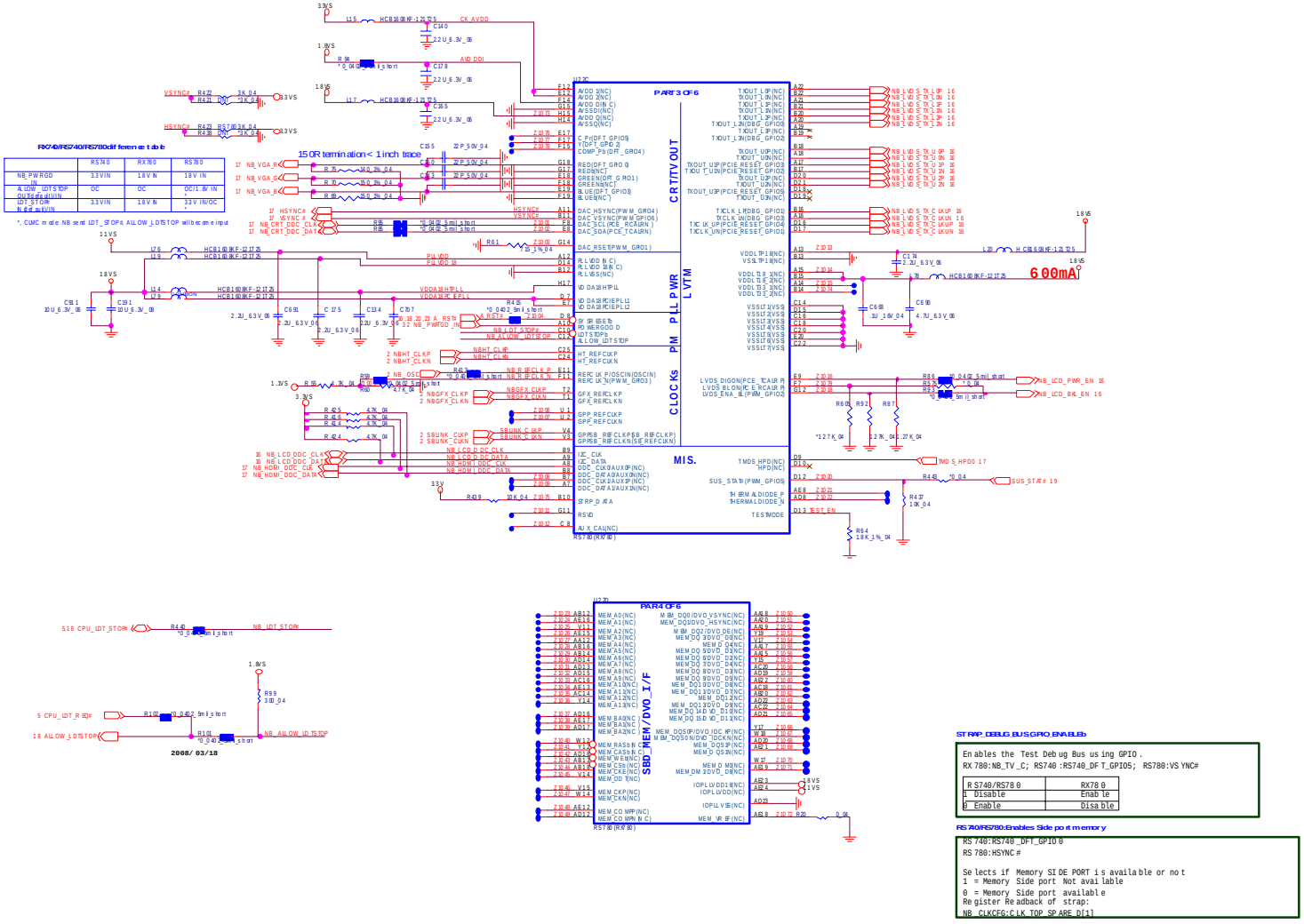


RS780M-1

Sheet 9 of 47
RS780M-1



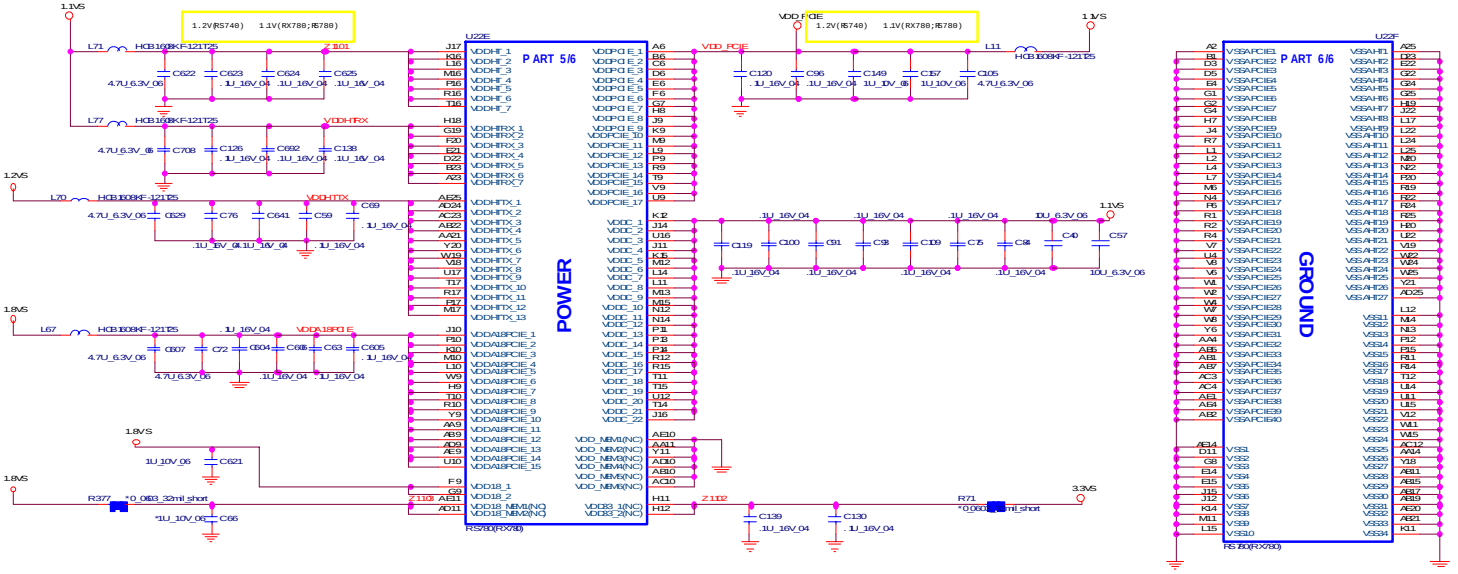
RS780M-2



Sheet 10 of 47
RS780M-2

RS780M-3

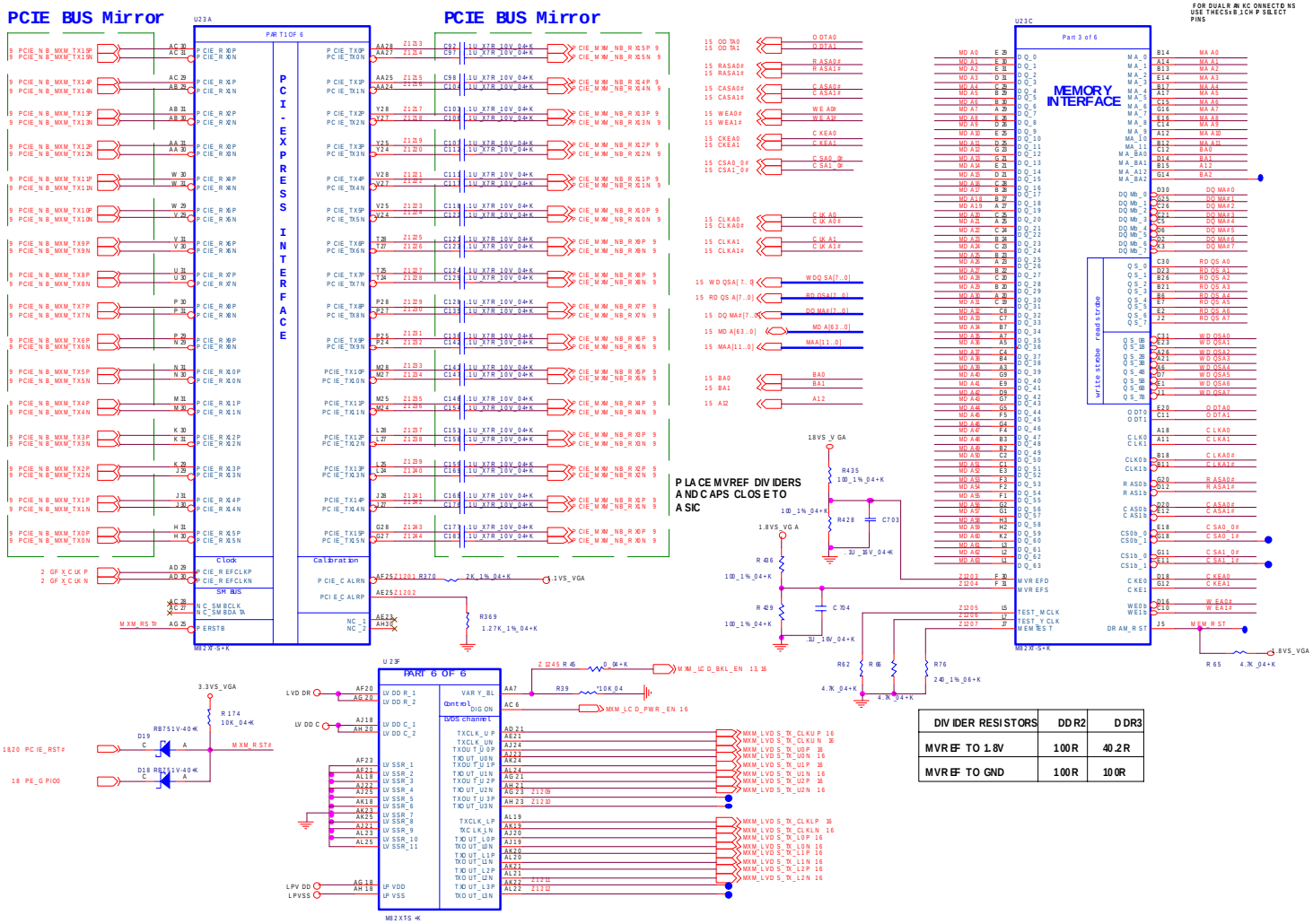
Sheet 11 of 47
RS780M-3



RS740/RX780/RS780 POWER DIFFERENCE TABLE

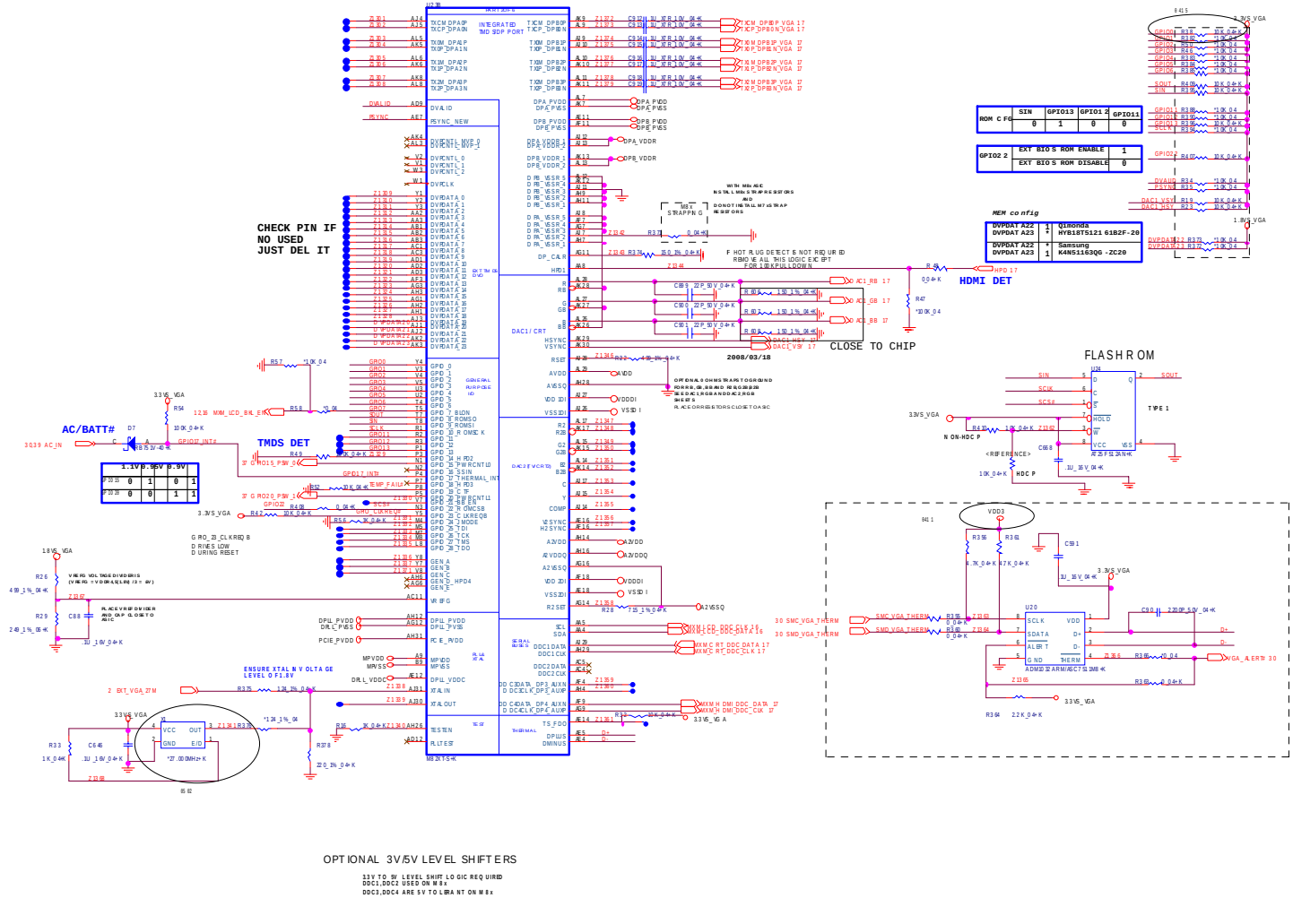
PIN NAME	RS740	RX780	RS780	PIN NAME	RS740	RX780	RS780
VDDHT	NC	+1.1V	+1.1V	IOPLLVDD	+1.2V	NC	+1.1V
VDDHTRX	NC	+1.1V	+1.1V	AVDD	+3.3V	NC	+3.3V
VDDHTTX	+1.3V	+1.2V	+1.2V	AVDDD	+1.8V	NC	+1.8V
VDDA18PCIE	NC	+1.8V	+1.8V	AVDDQ	+1.8V	NC	+1.8V
VDDG18	+1.8V	+1.8V	+1.8V	PLLVDD	+1.2V	NC	+1.1V
VDD18_MEM	NC	NC	+1.8V	PLLVDD18	+1.8V	NC	+1.8V
VDDPCIE	+1.3V	+1.1V	+1.1V	VDDA18PCIEPLL	+1.2V	+1.8V	+1.8V
VDDC	+1.3V	+1.1V	+1.1V	VDDA18HTPLL	+1.8V	+1.8V	+1.8V
VDD_MEM	+1.8V/1.5V	NC	+1.8V/1.5V	VDDLTP18	+1.8V	NC	+1.8V
VDDG33	+3.3V	NC	+3.3V	VDDLT18	+1.8V	NC	+1.8V
IOPLLVDD18	+1.8V	NC	+1.8V	VDDLT33	+3.3V	NC	NC

M82-XT-1

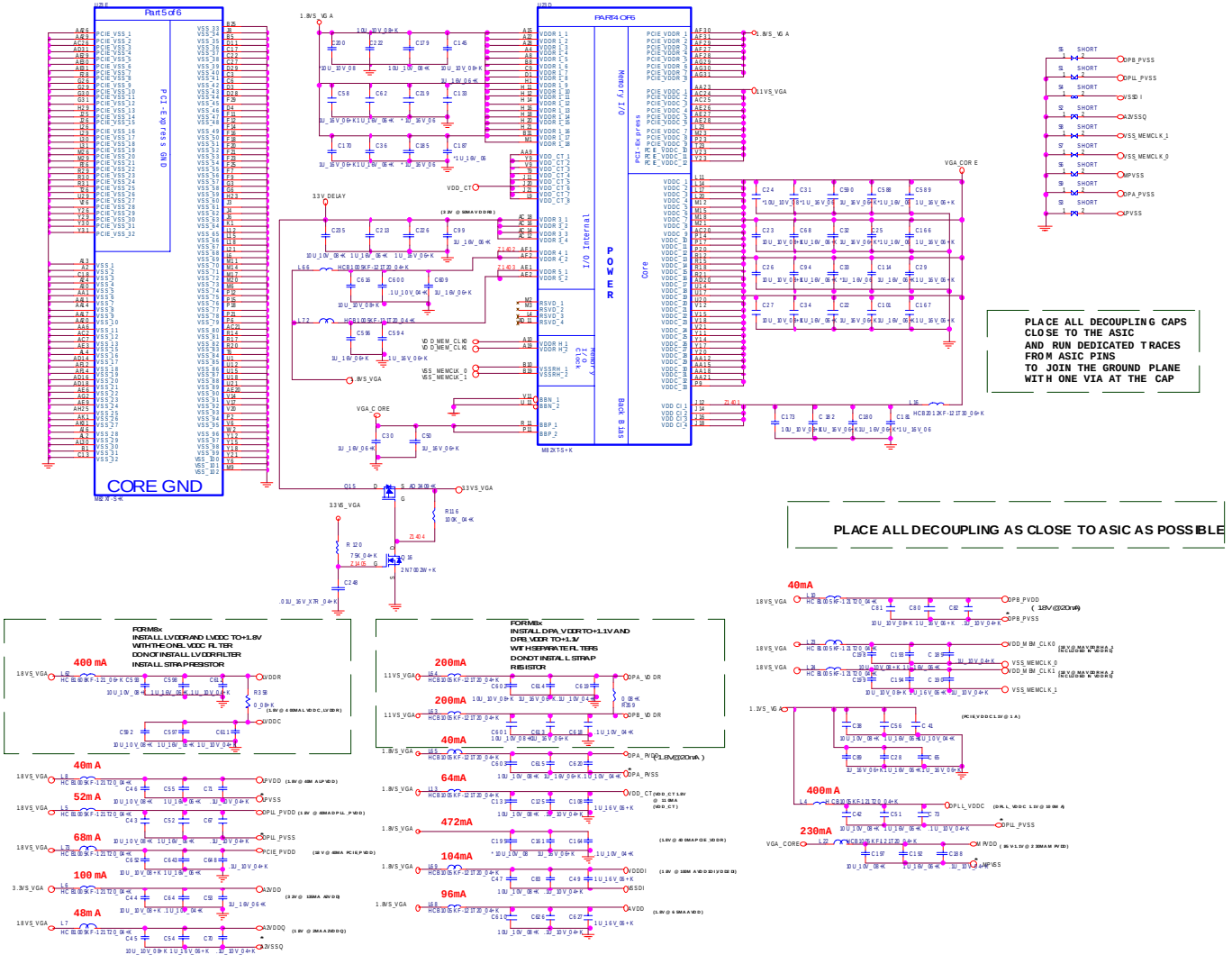

PCIE BUS Mirror
PCIE BUS Mirror
PCI-EXPRESS INTERFACE
MEMORY INTERFACE
PLACE MVREF DIVIDERS AND CAPS CLOSE TO ASIC
DIVIDER RESISTORS
DDR2
DDR3
MVREF TO 1.8V
100R
40.2R
MVREF TO GND
100R
100R

M82-XT-2

Sheet 13 of 47
M82-XT-2



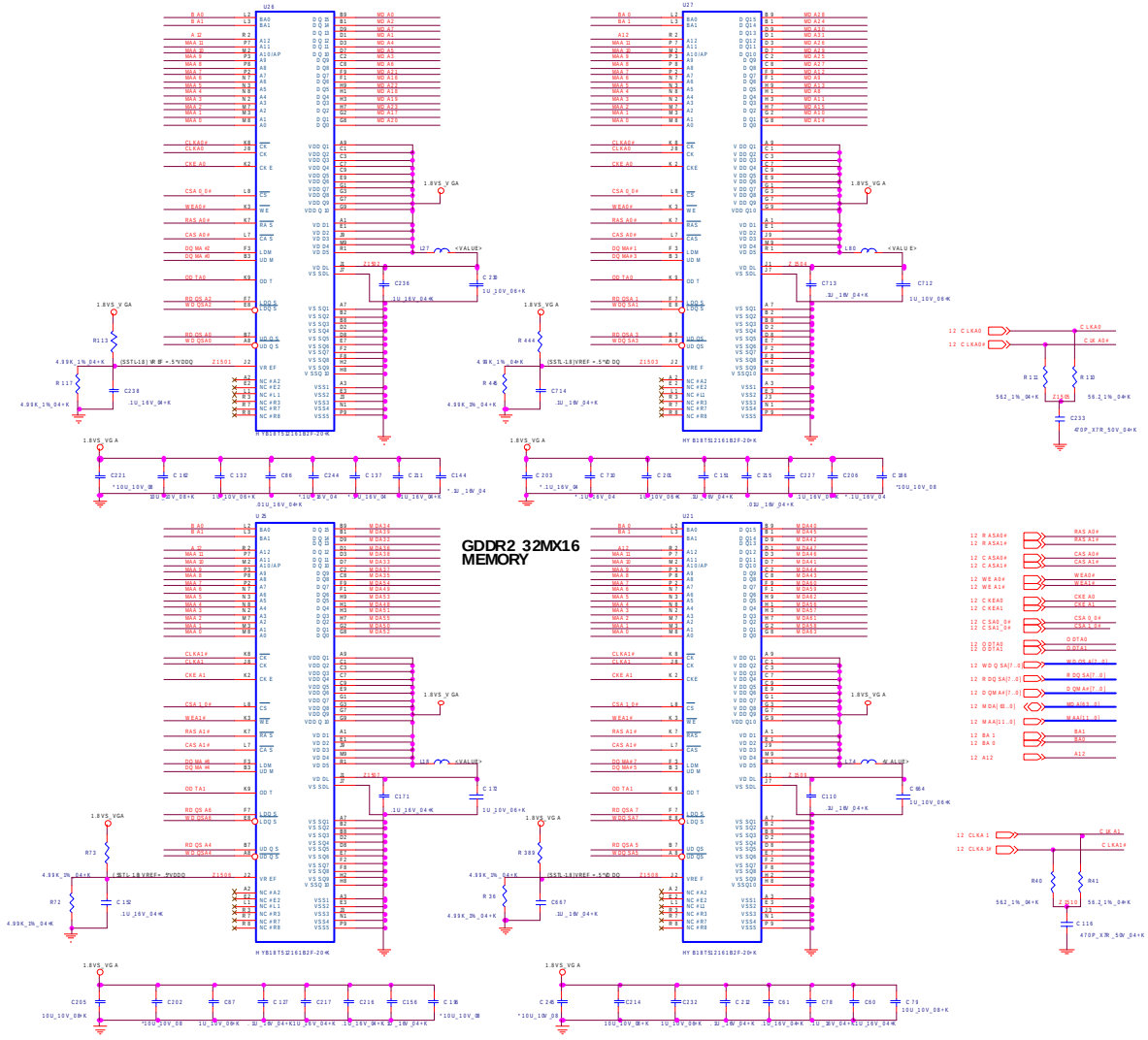
M82-XT-3



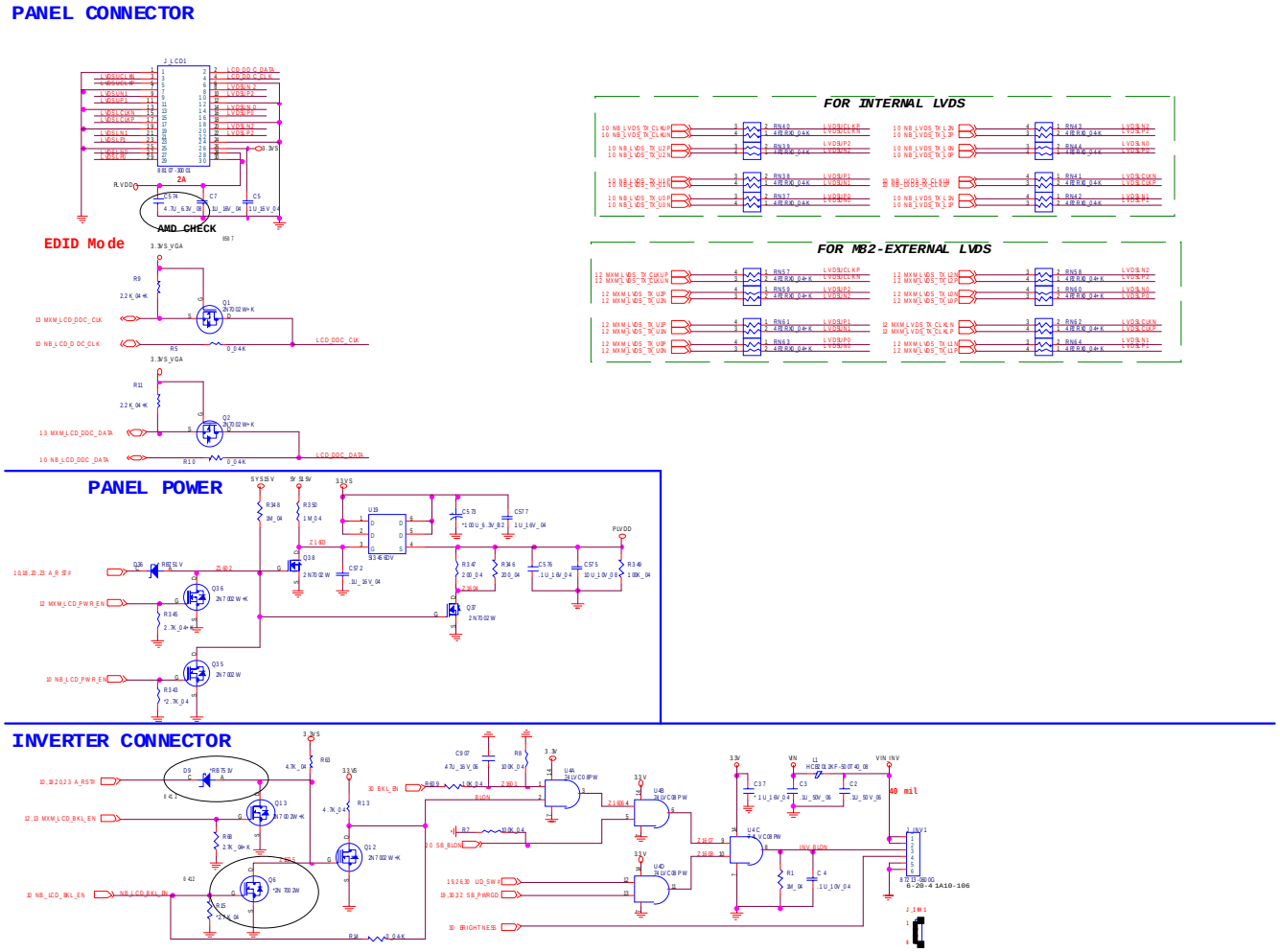
Sheet 14 of 47
M82-XT-3

DDRII 32MX16

Sheet 15 of 47
DDRII 32MX16



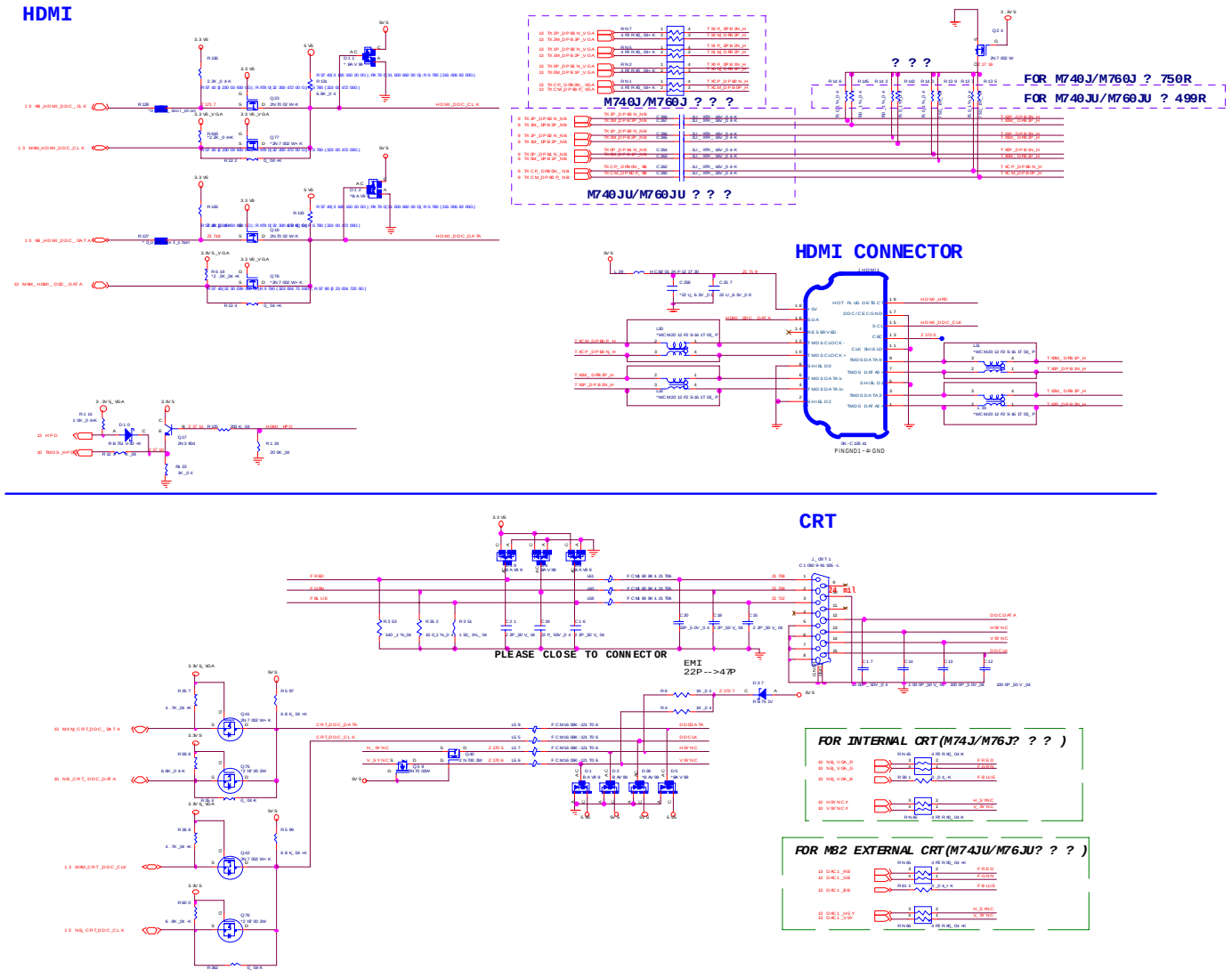
LVDS, INVERTER



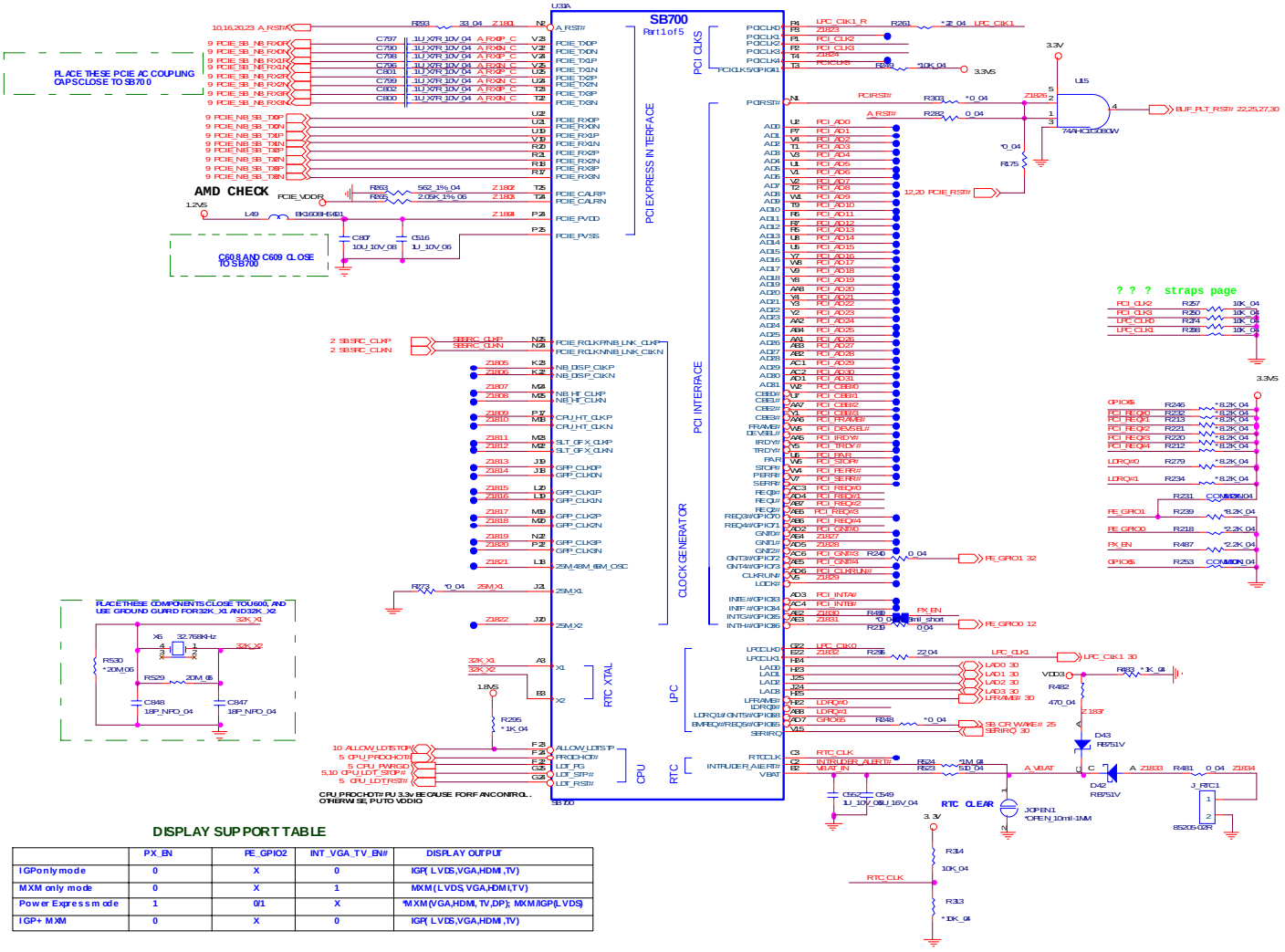
Sheet 16 of 47
LVDS, INVERTER

HDMI, CRT

Sheet 17 of 47
HDMI, CRT



SB700-1



	PX_EN	PE_GPIO2	INT_VGA_TV_EN#	DISPLAY OUTPUT
IGP only mode	0	X	0	IGP(LVDS,VGA,HDMI ,TV)
MXM only mode	0	X	1	MXM (LVDS, VGA,HDMI,TV)
Power Express mode	1	0/1	X	*MXM (VGA,HDMI, TV,DP); MXM/IGP(LVDS)
IGP+ MXM	0	X	0	IGP(LVDS,VGA,HDMI ,TV)

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SB700-1

B.Schematic Diagrams

SB700-2

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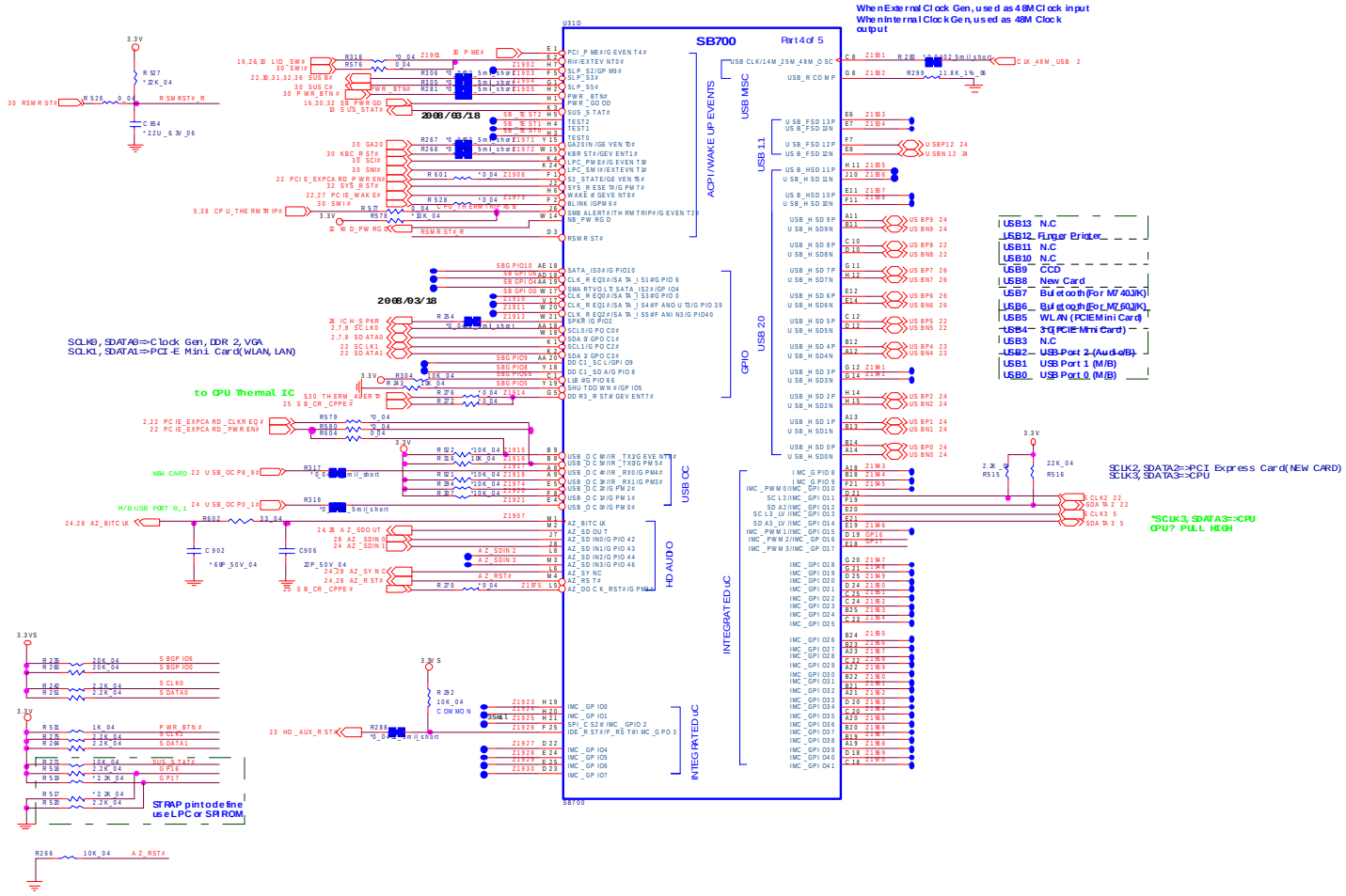
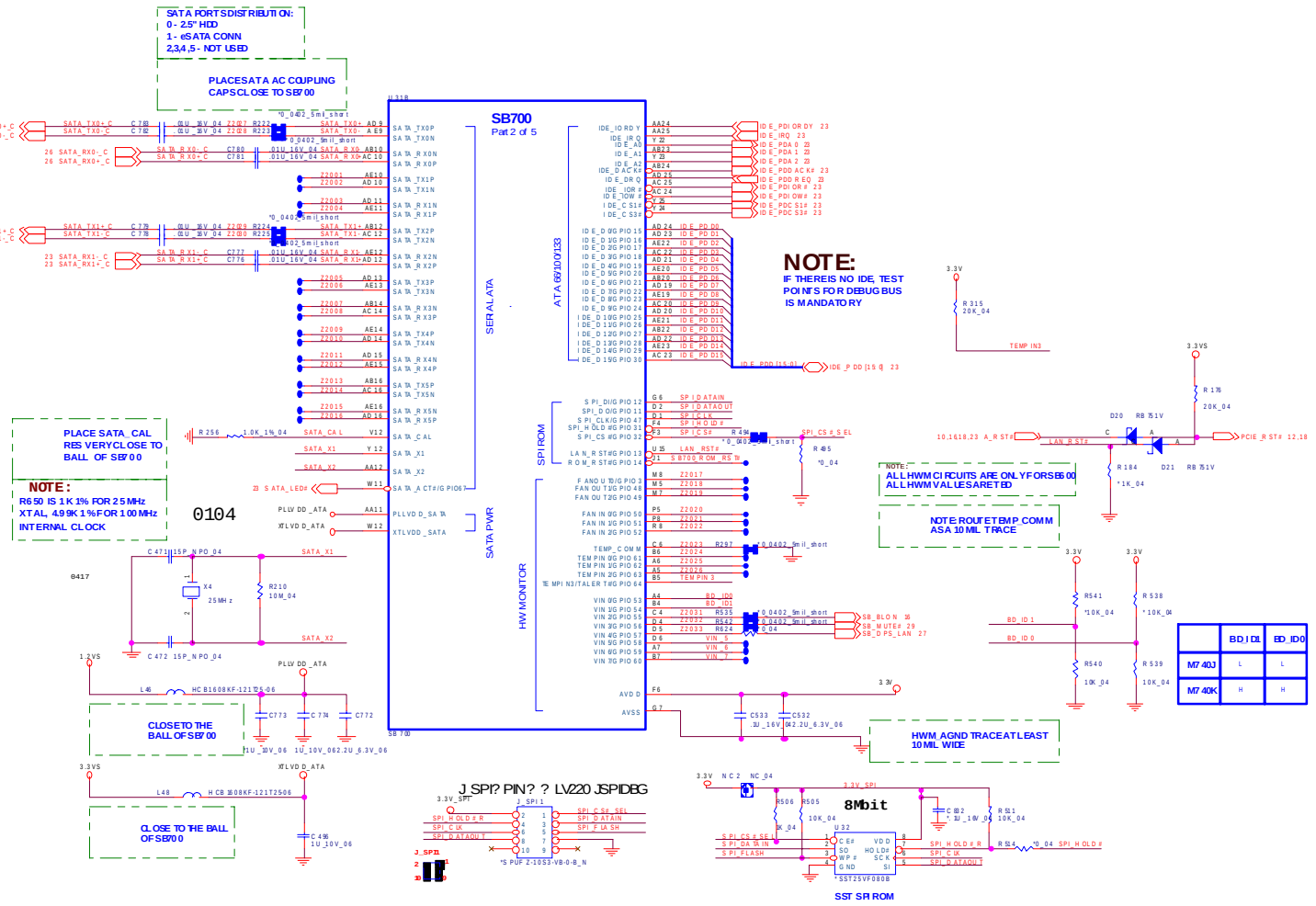
SB700-2



SB700-3


SATA PORT DISTRIBUTION:
0 - 2.5" HDD
1 - eSATA CONN
2,3,4,5 - NOT USED
PLACE SATA AC COUPLING CAPS CLOSE TO SB700
SB700
Part 2 of 5
SERIAL ATA
SATA PWR
SPI ROM
HW MONITOR
ATA 66/100/133
NOTE:
IF THERE IS NO IDE, TEST POINTS FOR DEBUG BUS IS MANDATORY
PLACE SATA_CAL RESVERY CLOSE TO BALL OF SB700
NOTE :
R650 IS 1K 1% FOR 25MHz XTAL, 4.99K 1% FOR 100MHz INTERNAL CLOCK
0104
CLOSE TO THE BALL OF SB700
CLOSE TO THE BALL OF SB700
ALL HWM CIRCUITS ARE ONLY FOR SB600
ALL HWM VALUES ARE TBD
NOTE: ROUTE TEMP_COMM AS A 10 MIL TRACE
HWM_AGND TRACE AT LEAST 10 MIL WIDE
BD_ID1
BD_ID0
M740J
M740K
J SPI? PIN? ? LV220 JSPIDBG
8Mbit
SST SPI ROM
SPI ROM => base on AMD, change net name
SPI CONN.=> base on LV220

SB700-4

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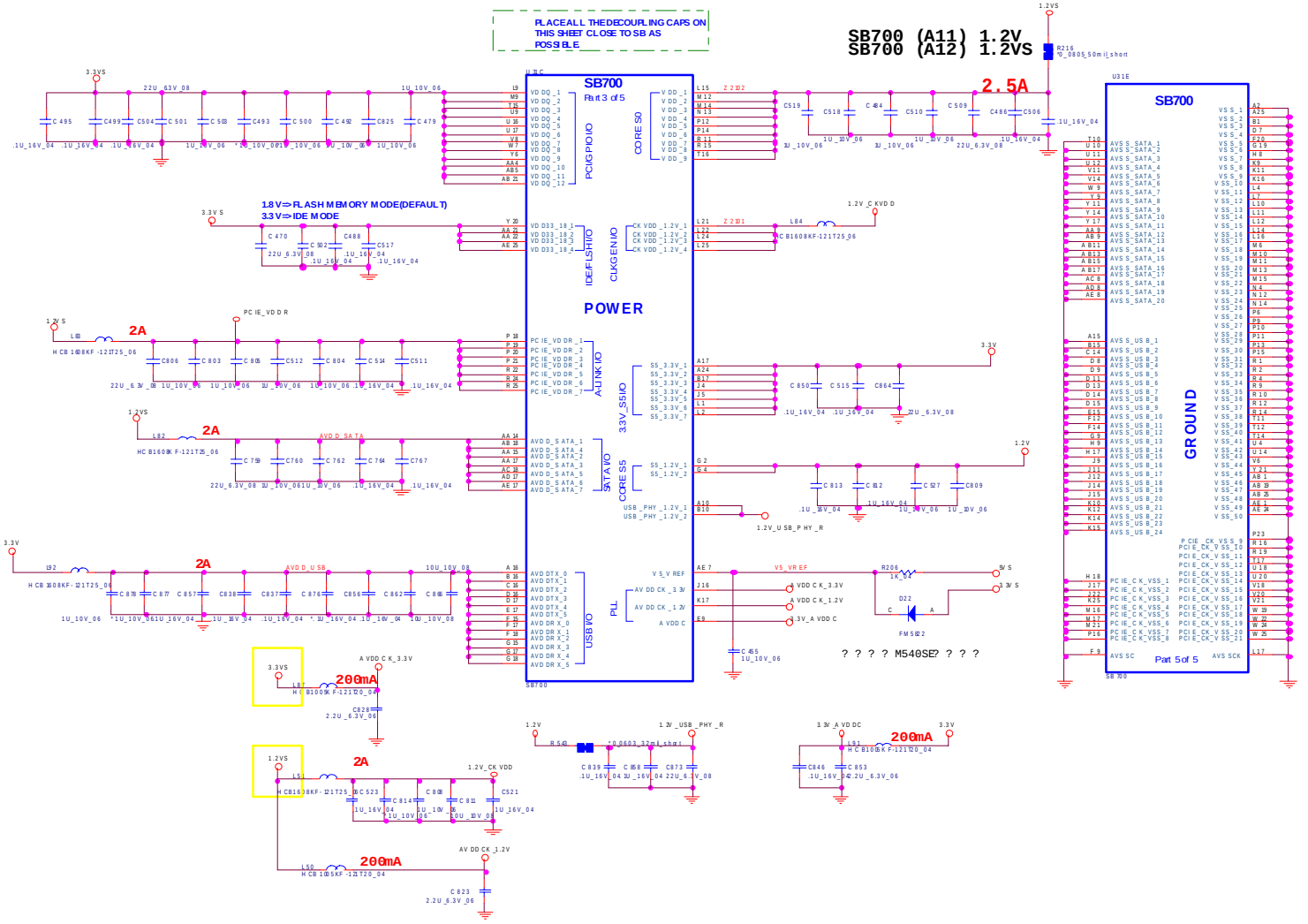
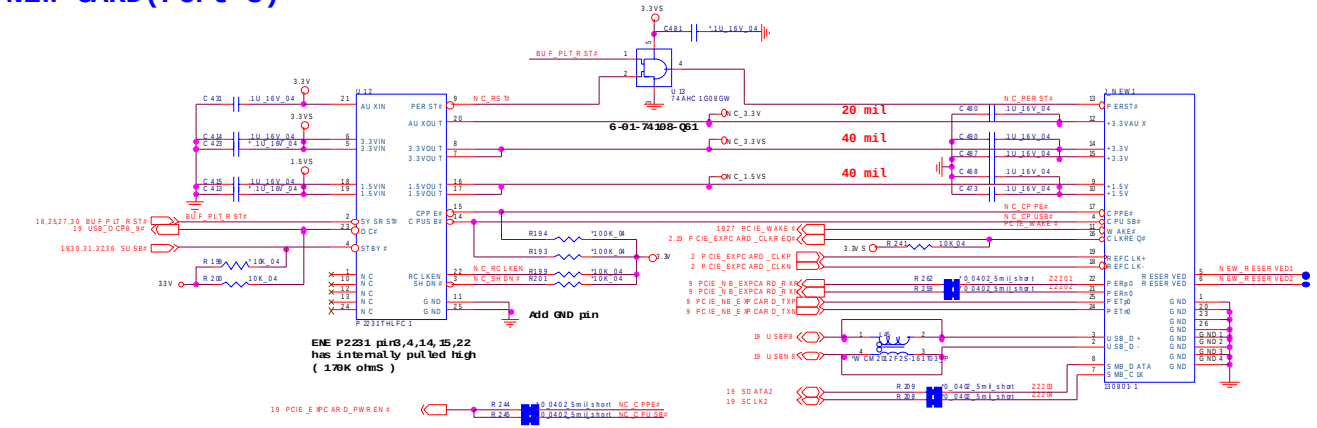
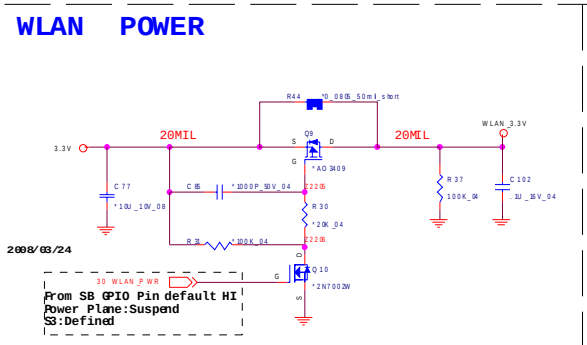
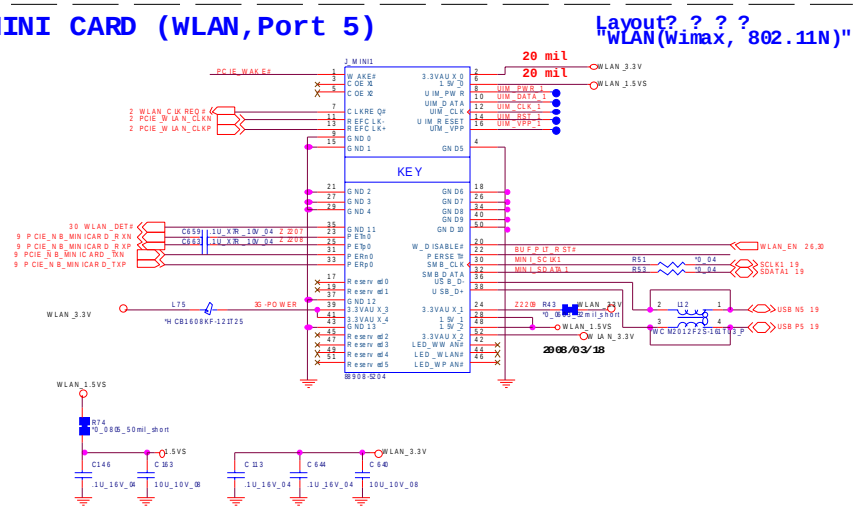
SB700-4



New Card, Mini PCIE



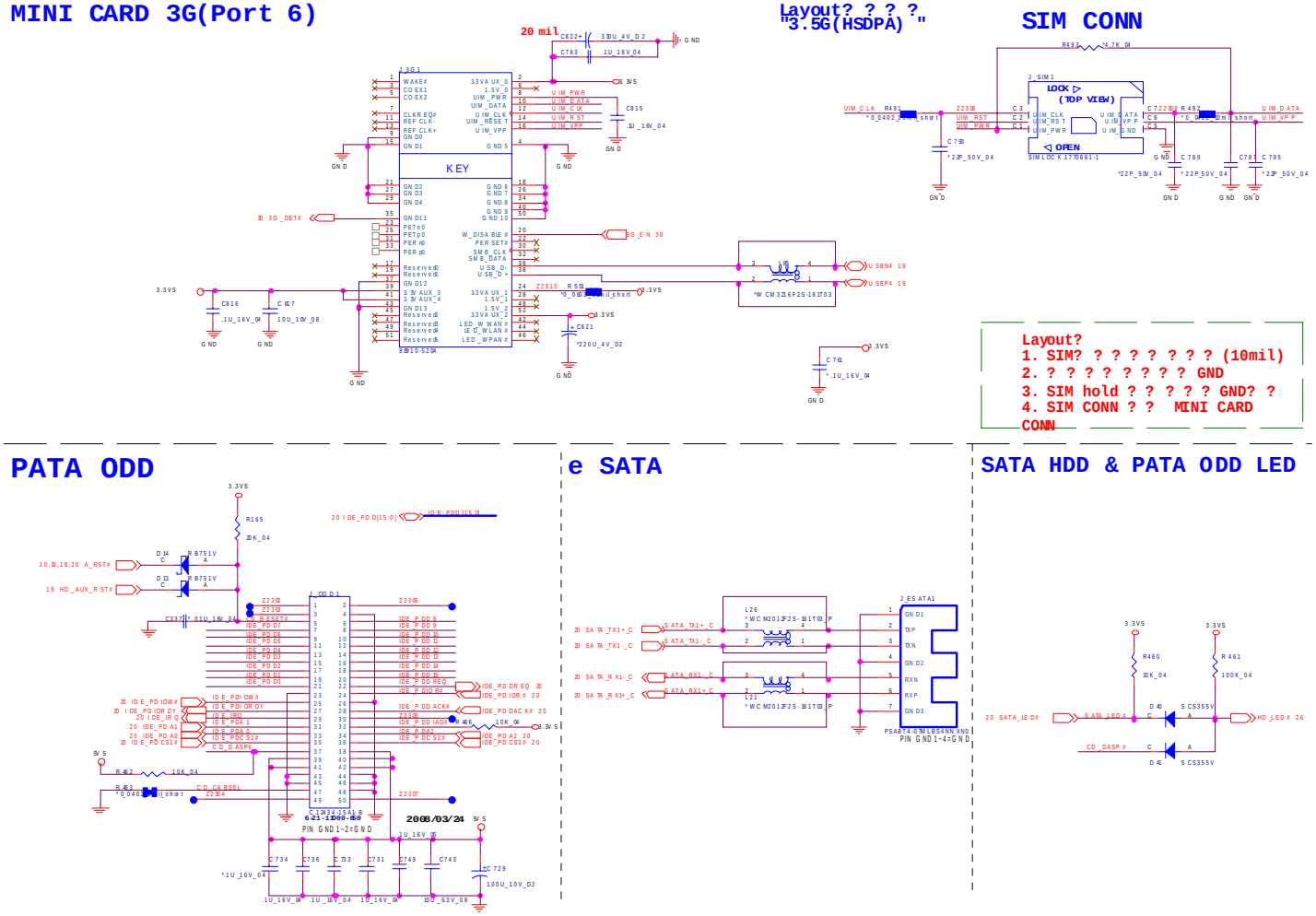




Sheet 22 of 47
New Card, Mini PCIE

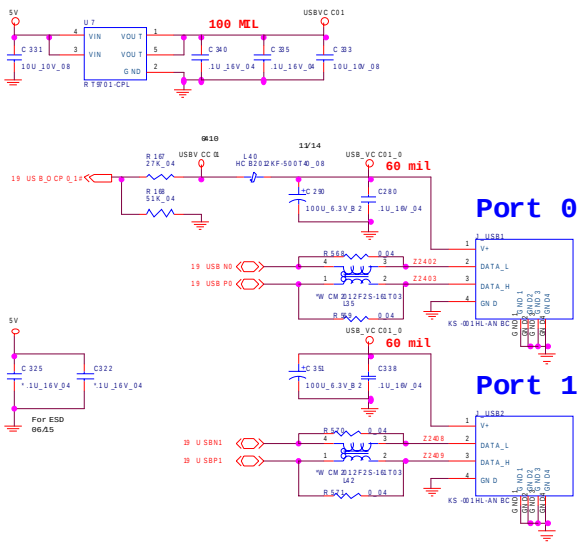
3G, PATA ODD, eSATA

Sheet 23 of 47
3G, PATA ODD, eSATA

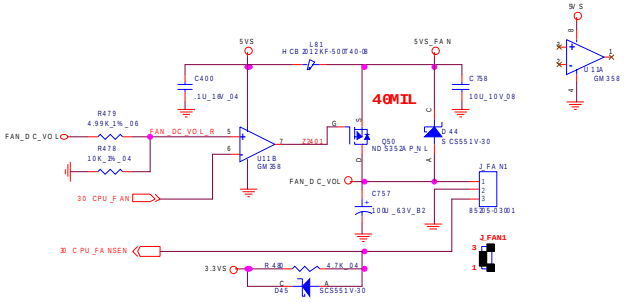


USB, FAN, TP, FP, MULTI CON

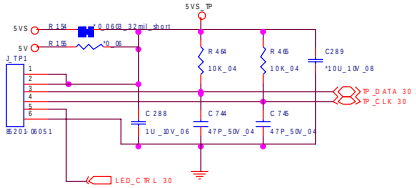
USB PORT*2(Port 0,Port1)



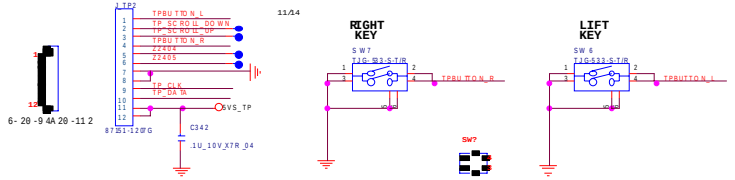
FAN CONTROL



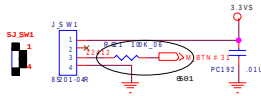
FOR M760J CLICK CONN



FOR M740J CLICK CONN

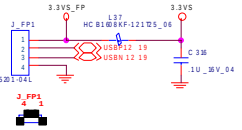


POWER SWITCH CONN.



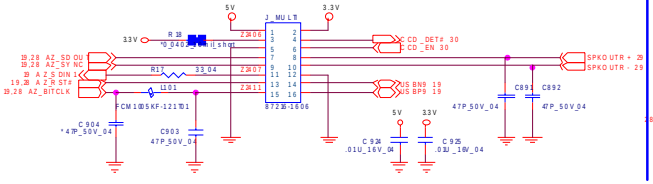
FOR POWER SWITCH BOARD

FP CONN



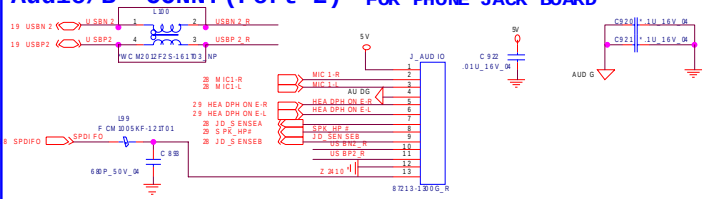
MULTI I/O CONN.(Port 9)

FOR MULTI IO BOARD



Audio/B CONN.(Port 2)

FOR PHONE JACK BOARD



Sheet 24 of 47
USB, FAN, TP, FP, MULTI CON

B.Schematic Diagrams

CARD READER

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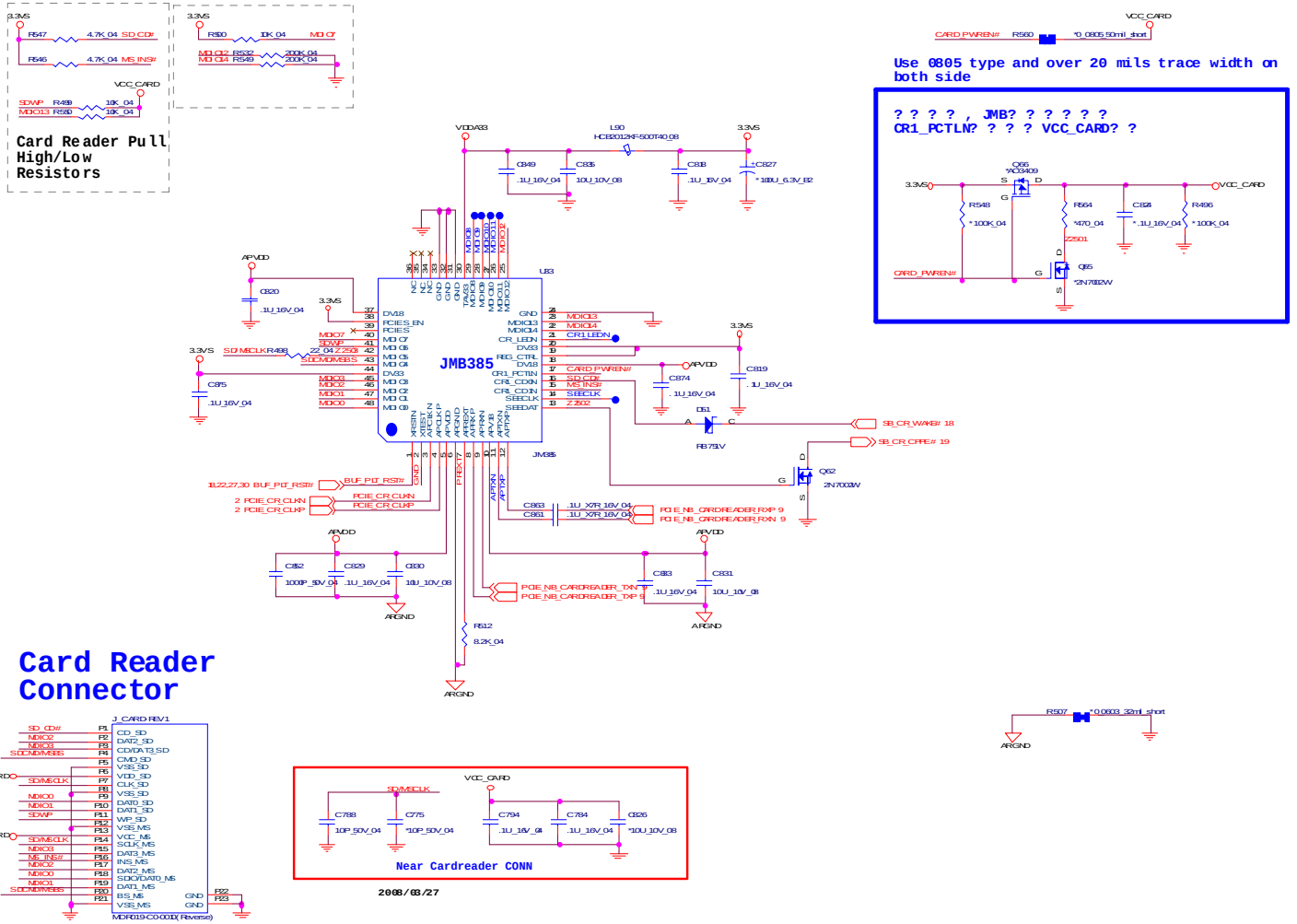
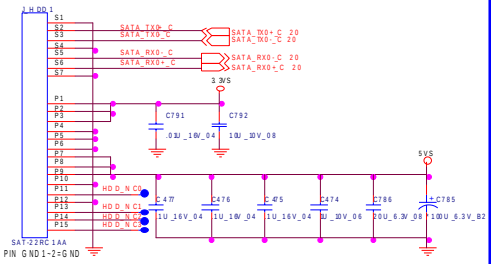
CARD READER

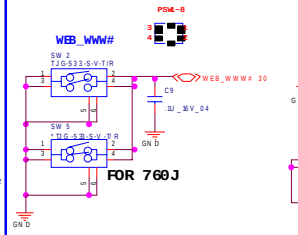


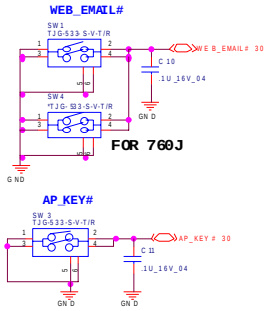
ISATA HDD, LED, HOTKEY, BT

SATA HDD

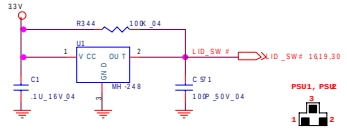


HOT KEY

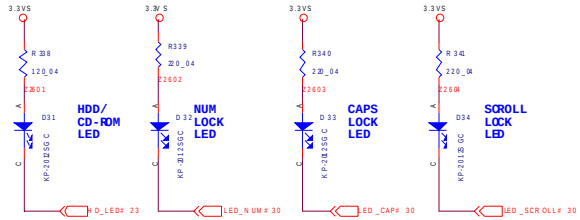


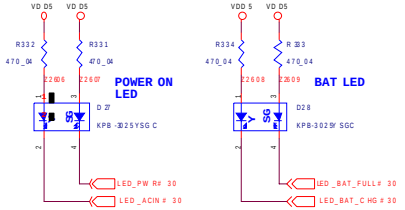


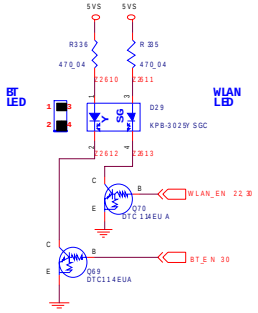
LID SWITCH IC



LED

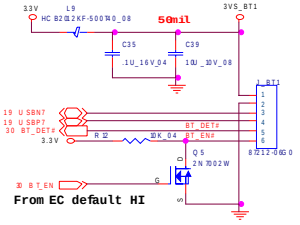






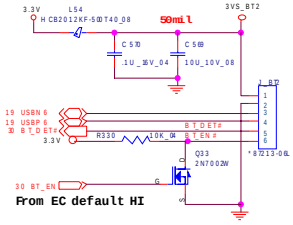
Bluetooth(Port7)

Layout? ? ? ?
"Bluetooth For
M740J/M760J"



Bluetooth(Port5)

Layout? ? ? ?
"Bluetooth For
M760J"



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SATA HDD, LED,
HOTKEY, BT

PCIE GIGALAN RTL8111C

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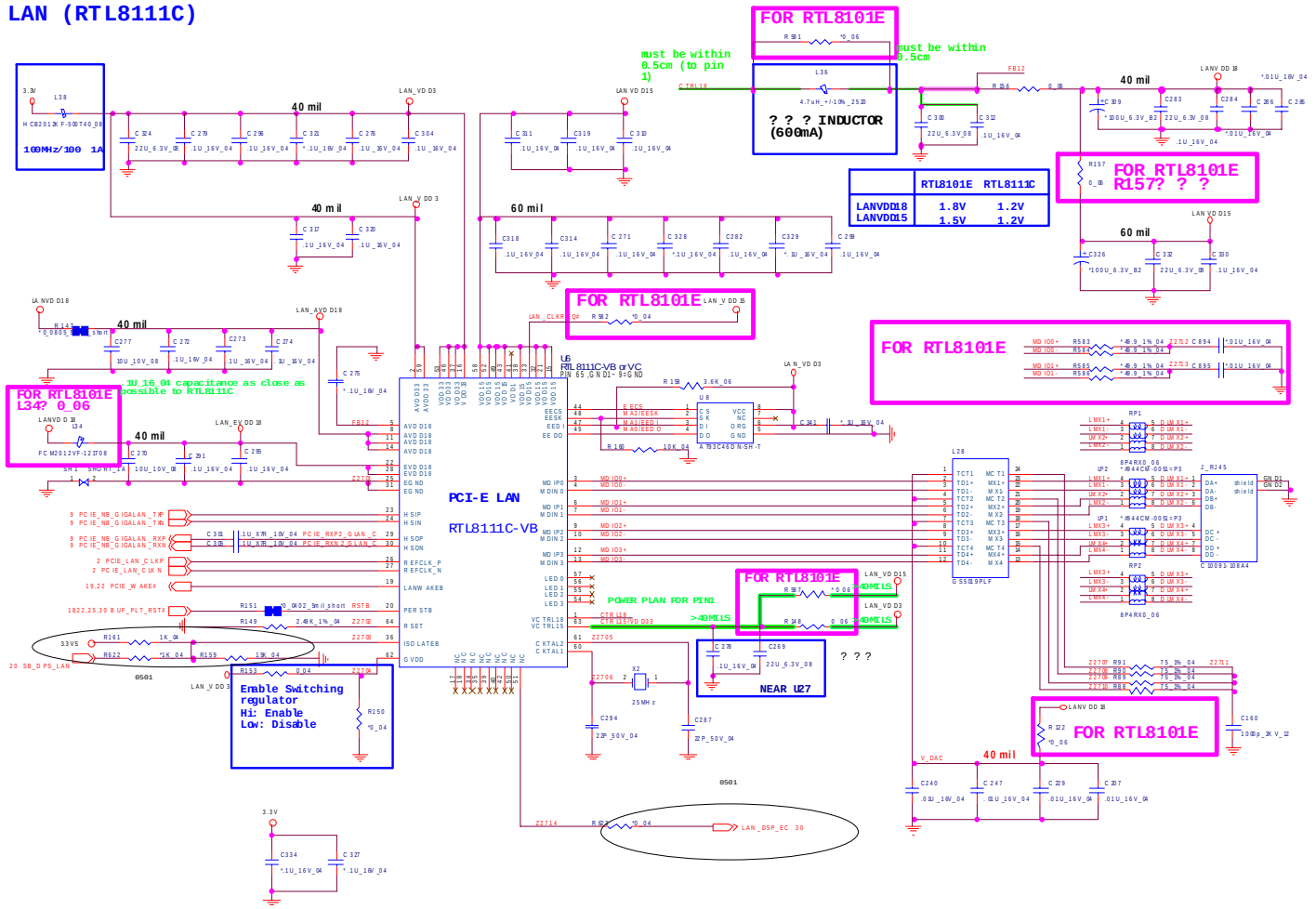
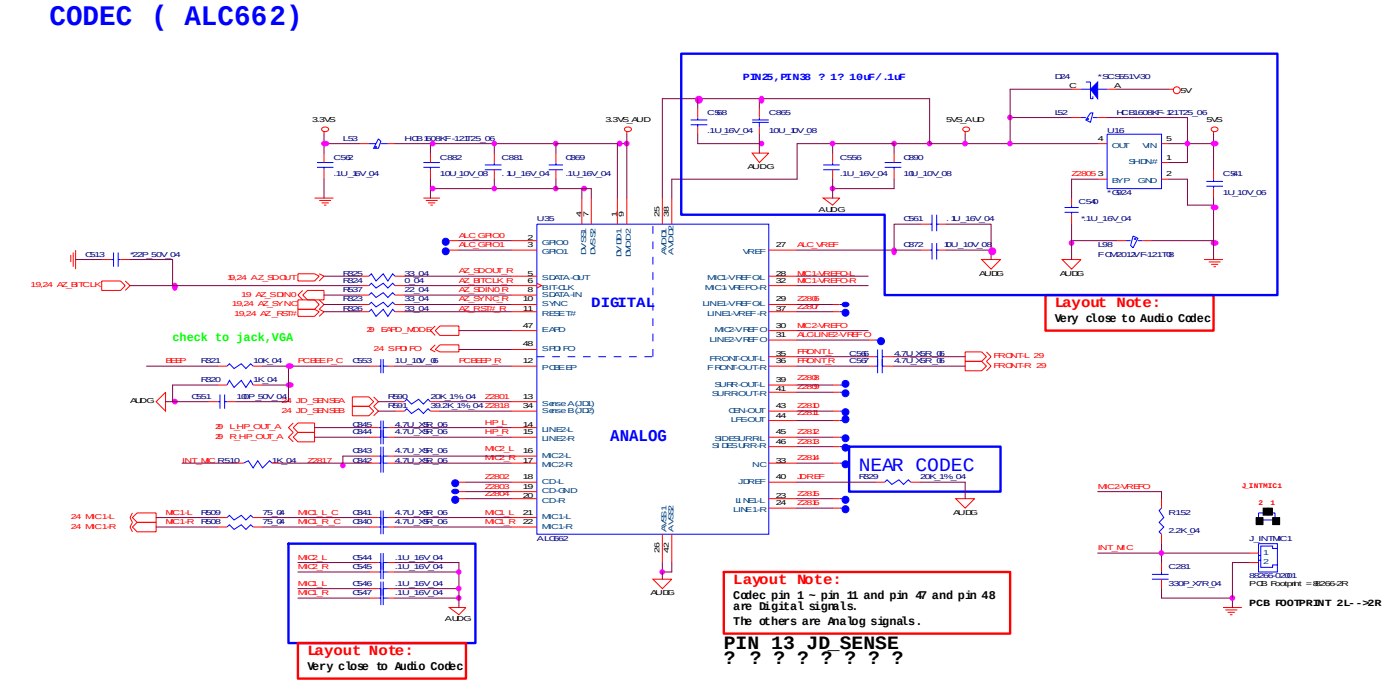
PCIE GIGALAN
RTL8111C



AUDIO CODEC ALC662



Sheet 28 of 47
AUDIO CODEC
ALC662

AUDIO AMP2056

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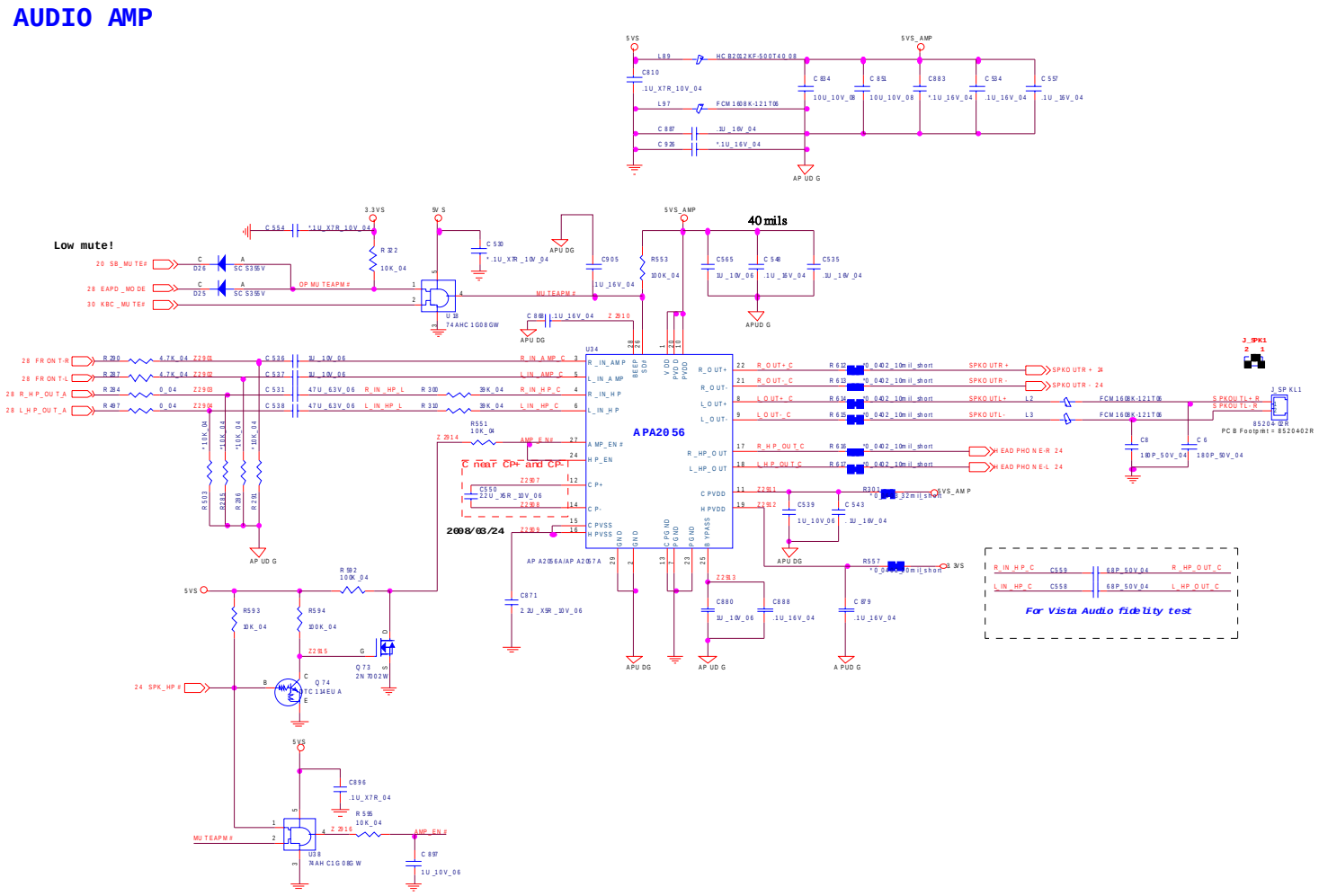
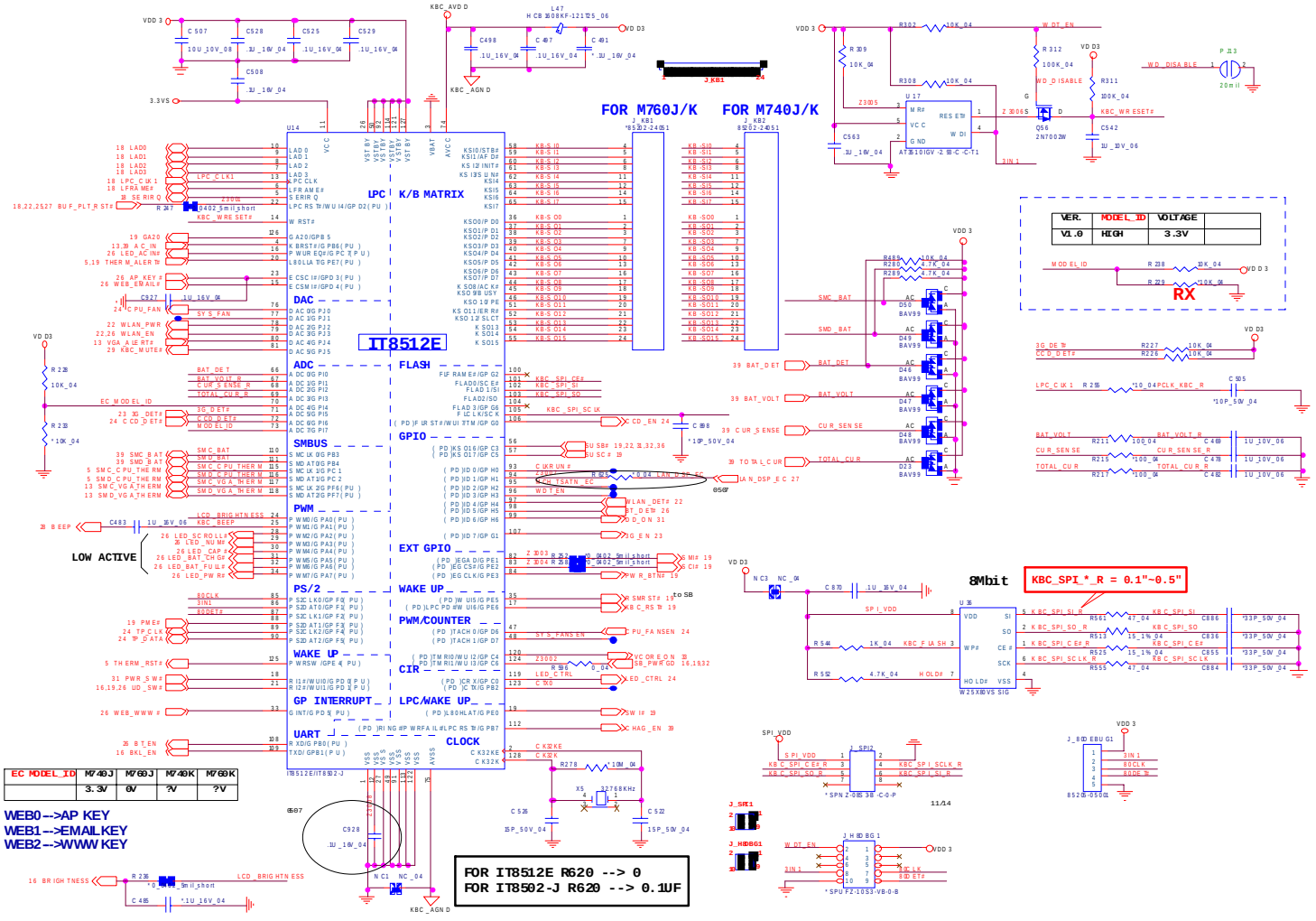
AUDIO AMP2056



KBC ITE IT8512E



Sheet 30 of 47
KBC ITE IT8512E

1.8VS, 3,3VS, 5VS, 1.1VS, 3.3V

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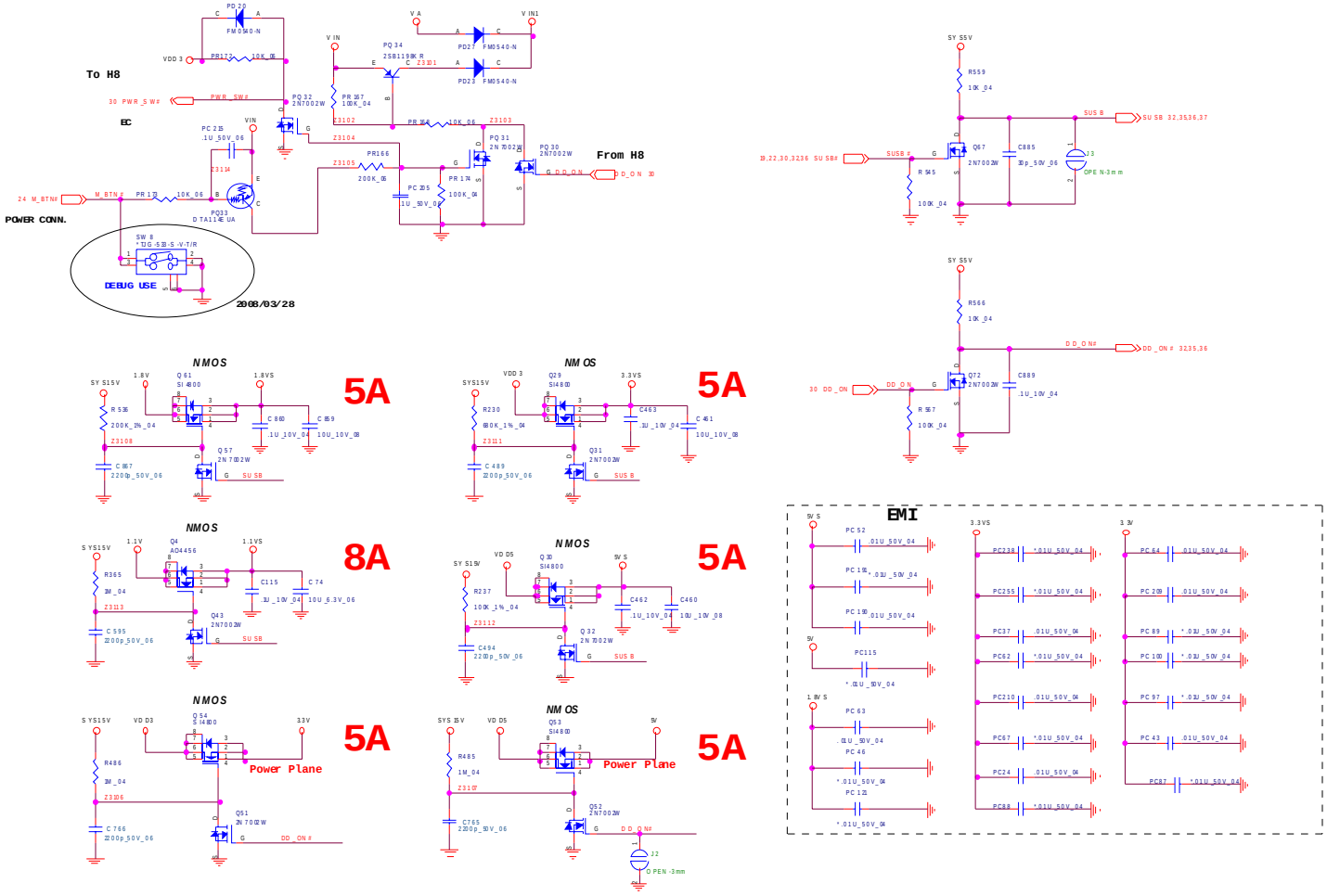
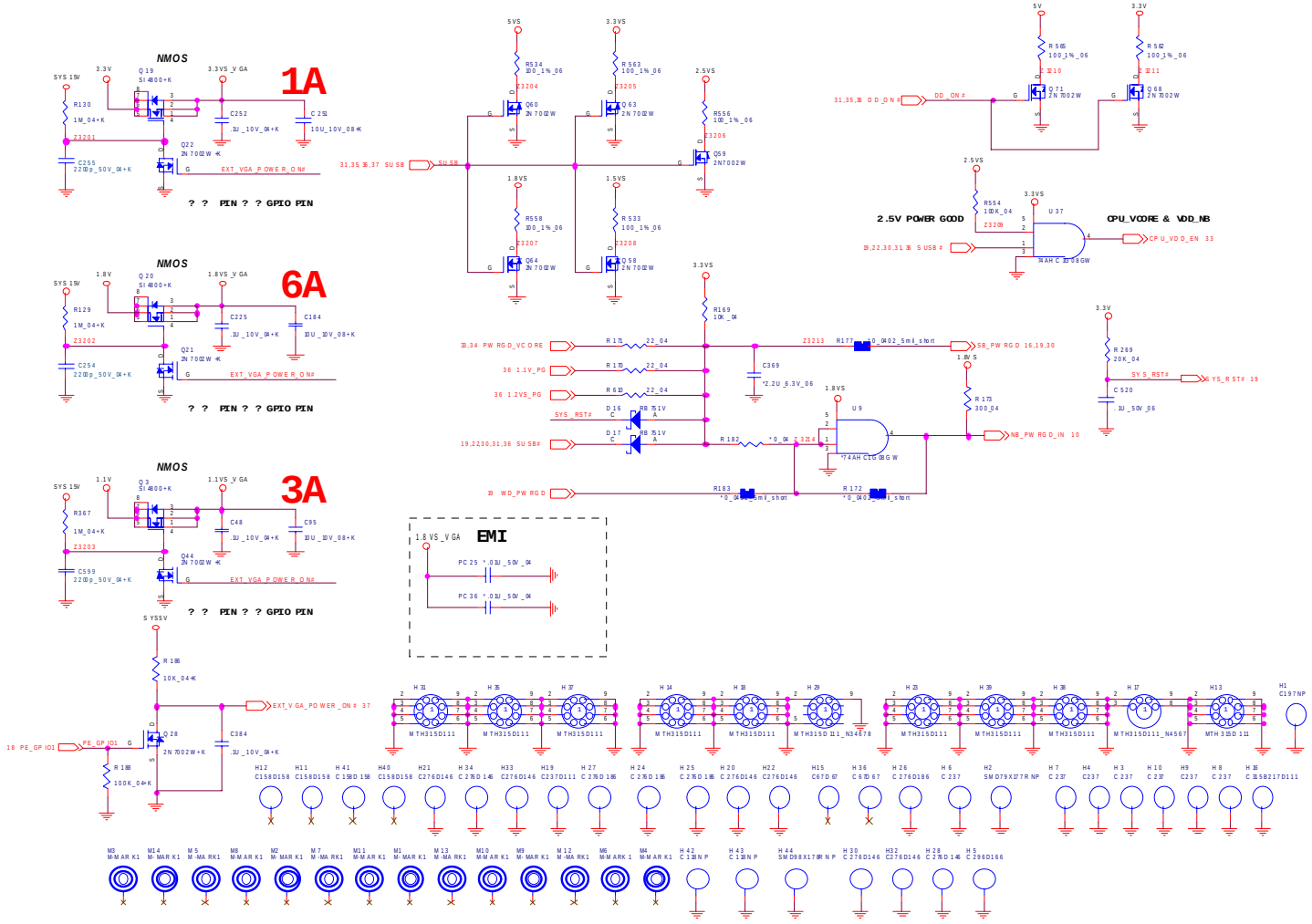
1.8VS, 3,3VS, 5VS, 1.1VS, 3.3V



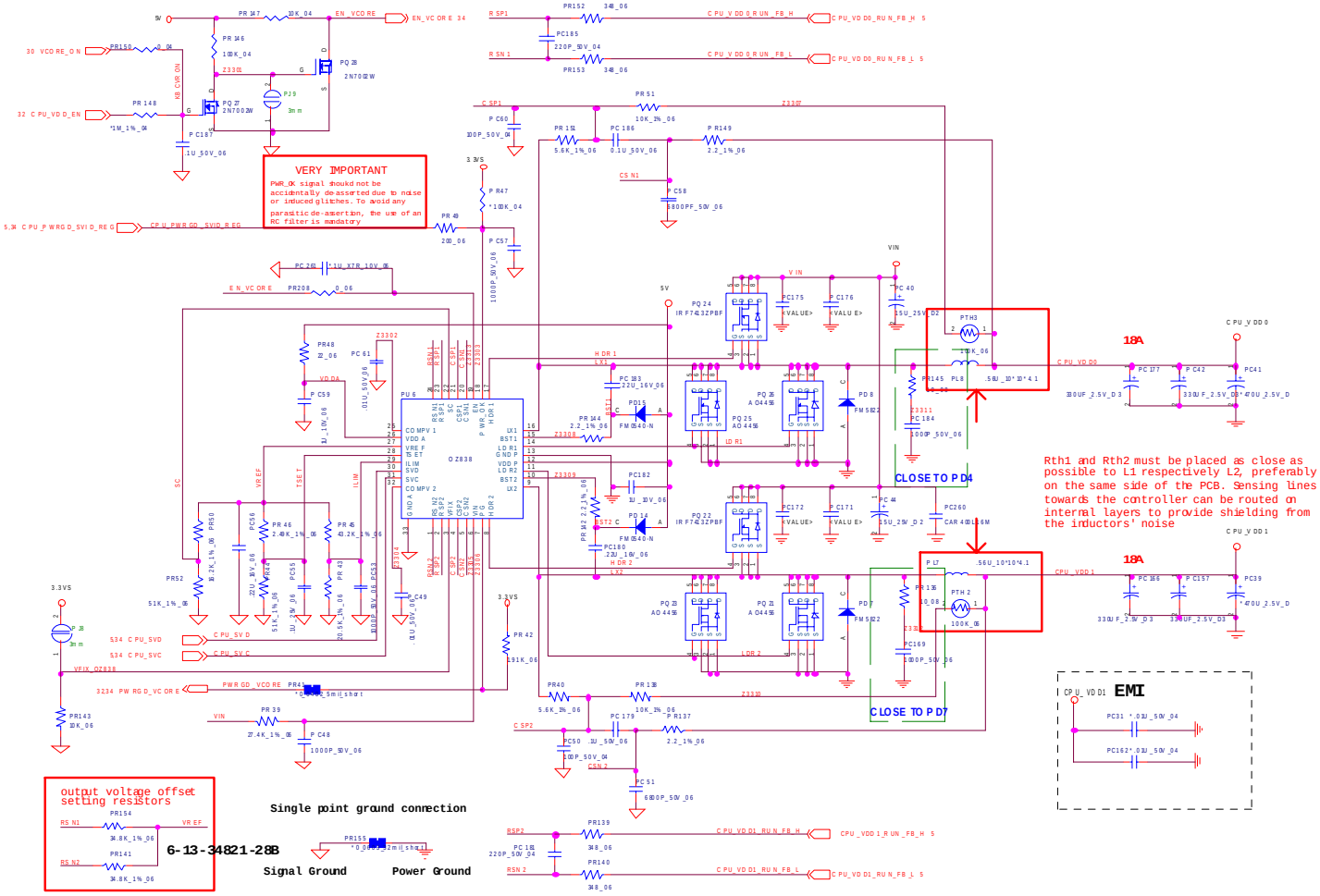
VGA POWER & POWER GD



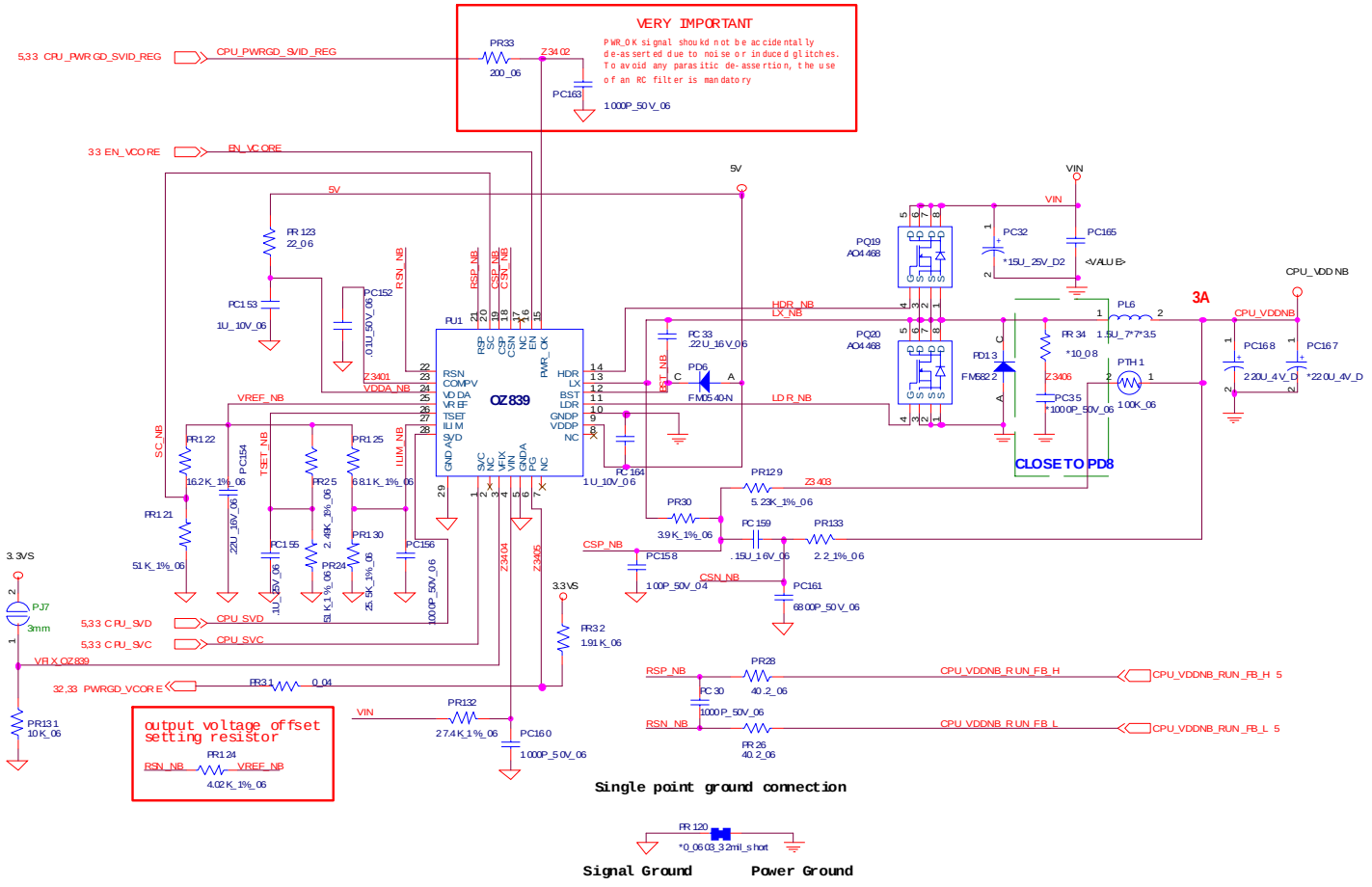
Sheet 32 of 47
VGA POWER & POWER GD

VCORE VDD CORE

Sheet 33 of 47
VCORE VDD CORE



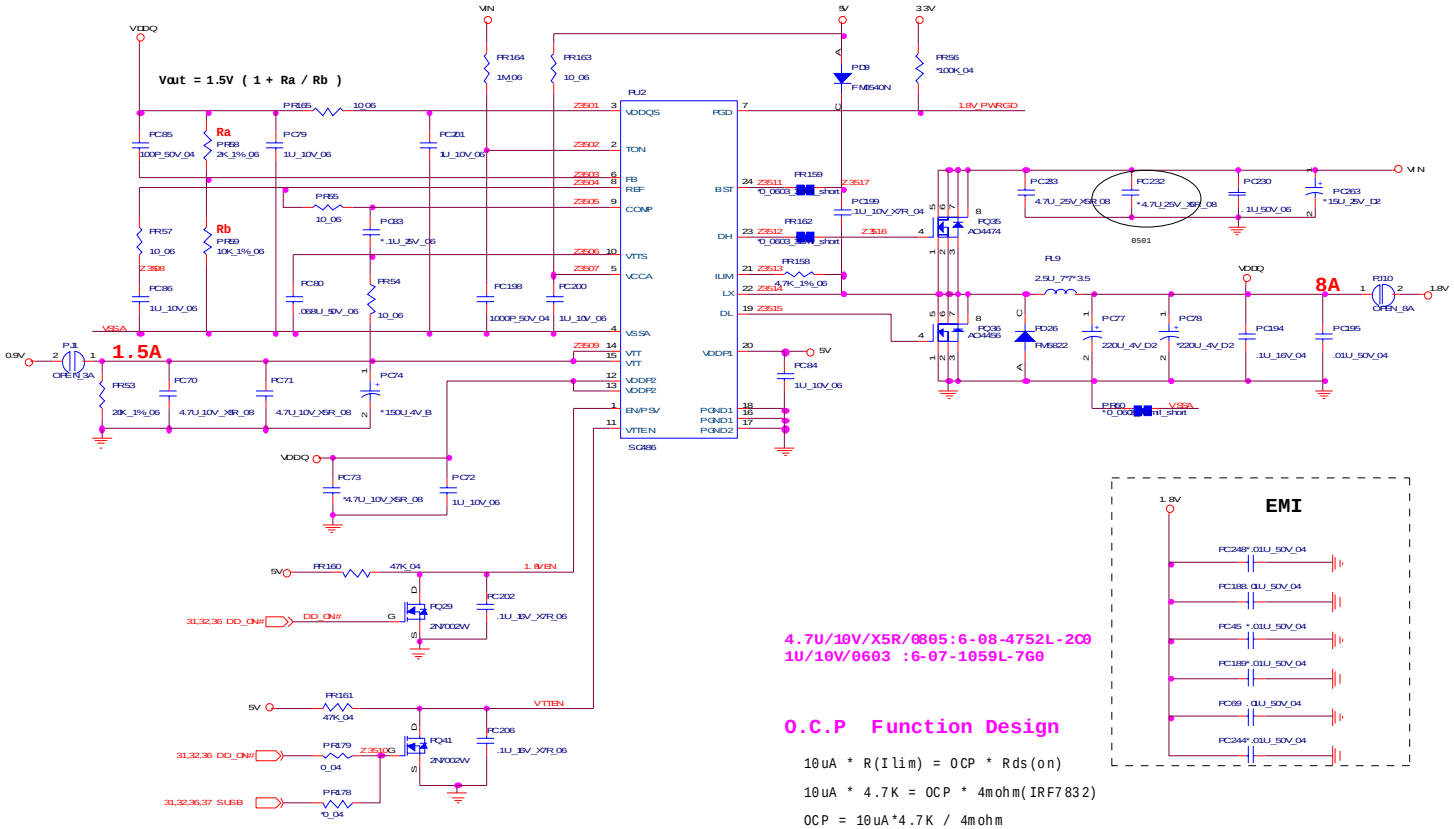
VCORE VDD CORE



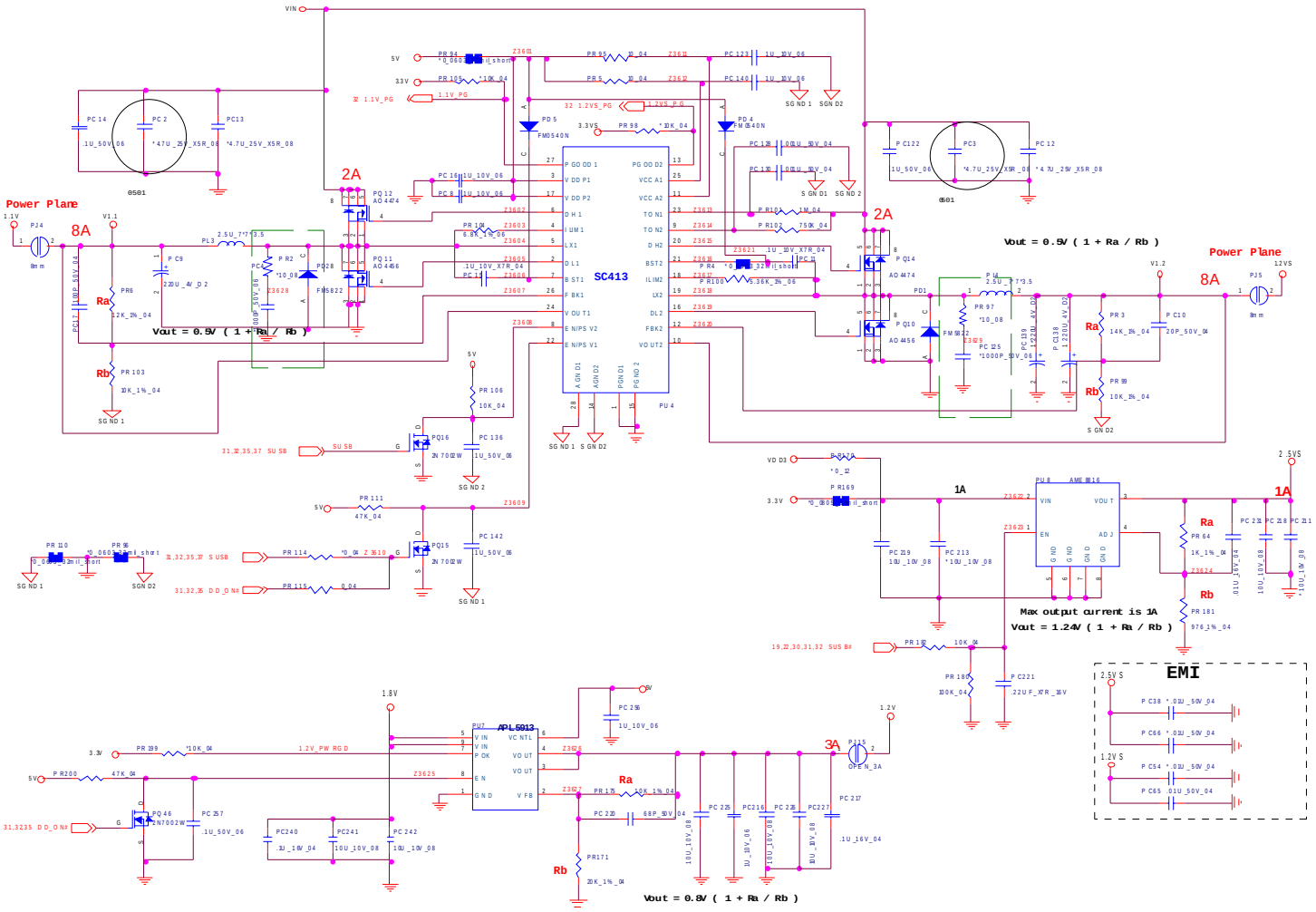
Sheet 34 of 47
VCORE VDD CORE

1.8V, 0.9V

Sheet 35 of 47
1.8V, 0.9V



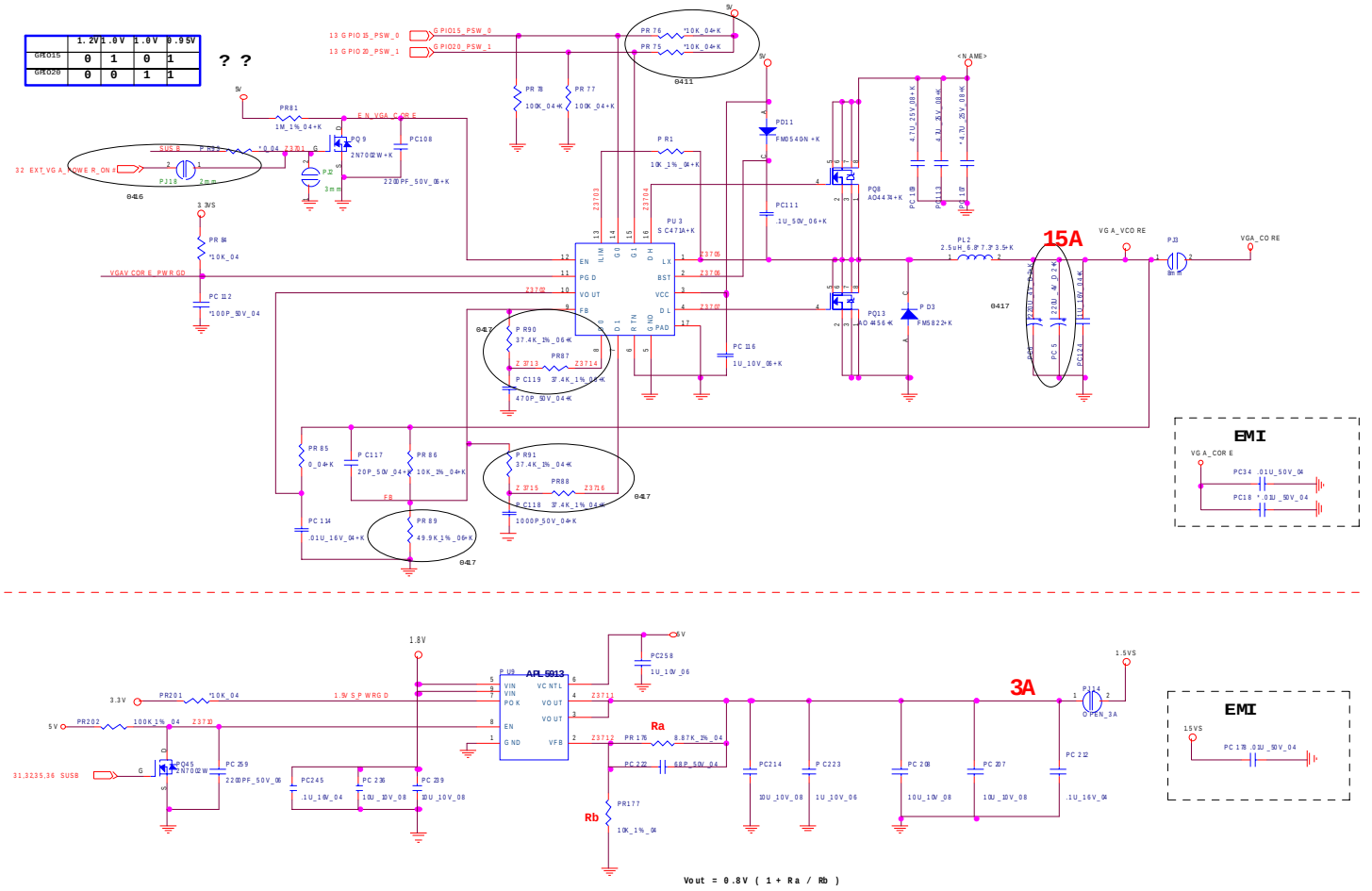
1.1VS, 1.2V, 1.2VS, 2.5V



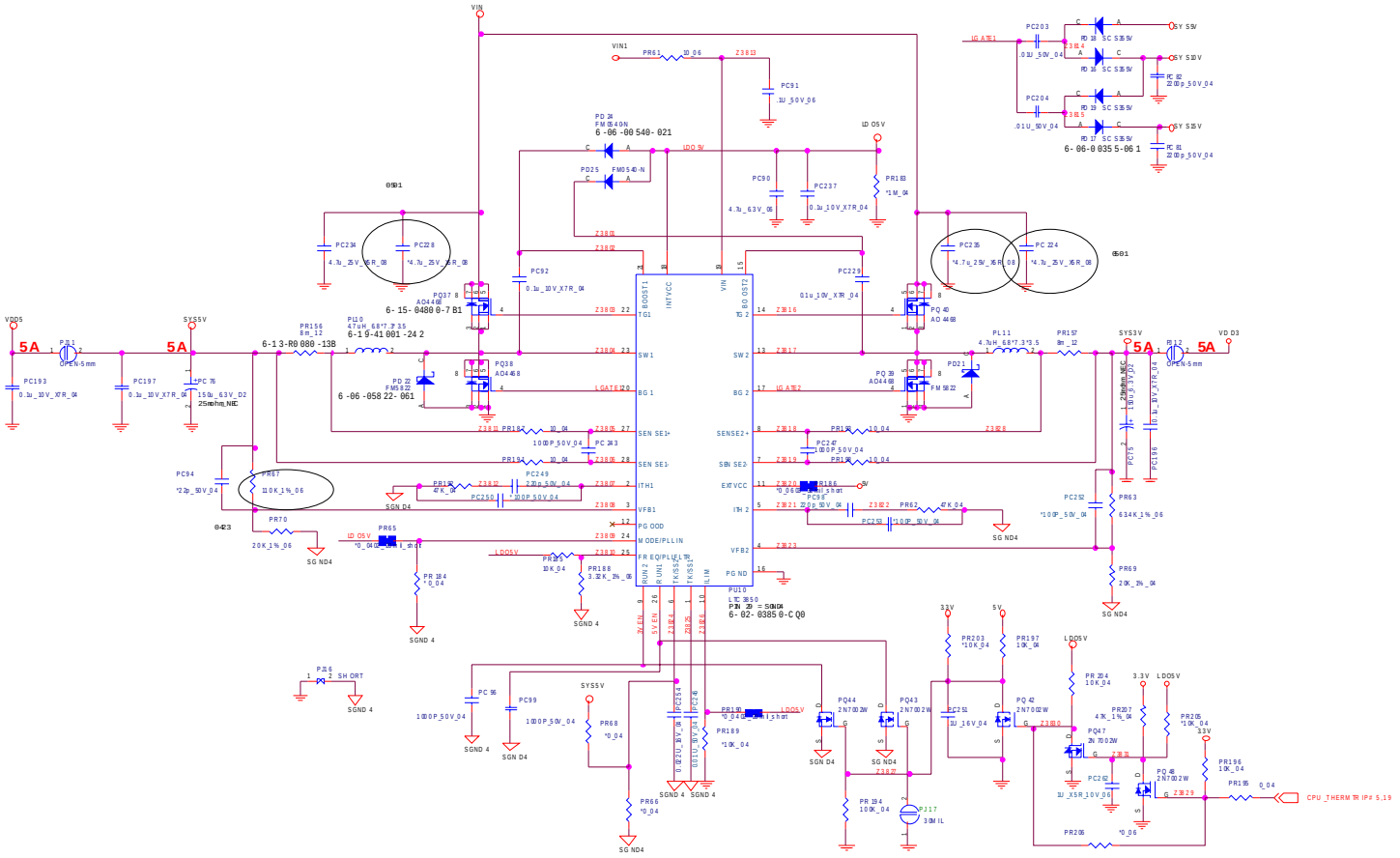
Sheet 36 of 47
1.1VS, 1.2V, 1.2VS, 2.5V

VGA CORE 1.5VS

Sheet 37 of 47
VGA CORE 1.5VS



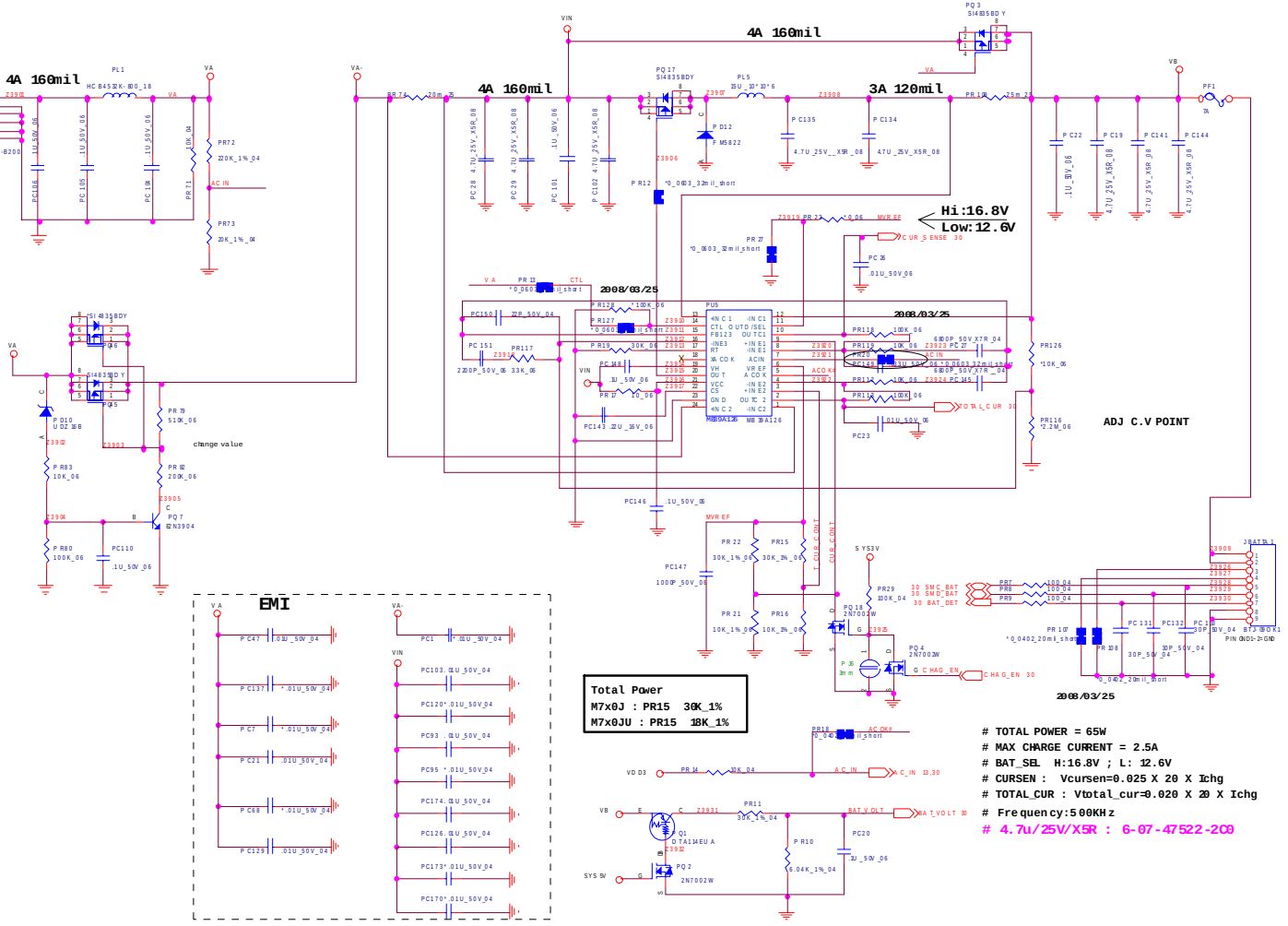
VDD3, VDD5



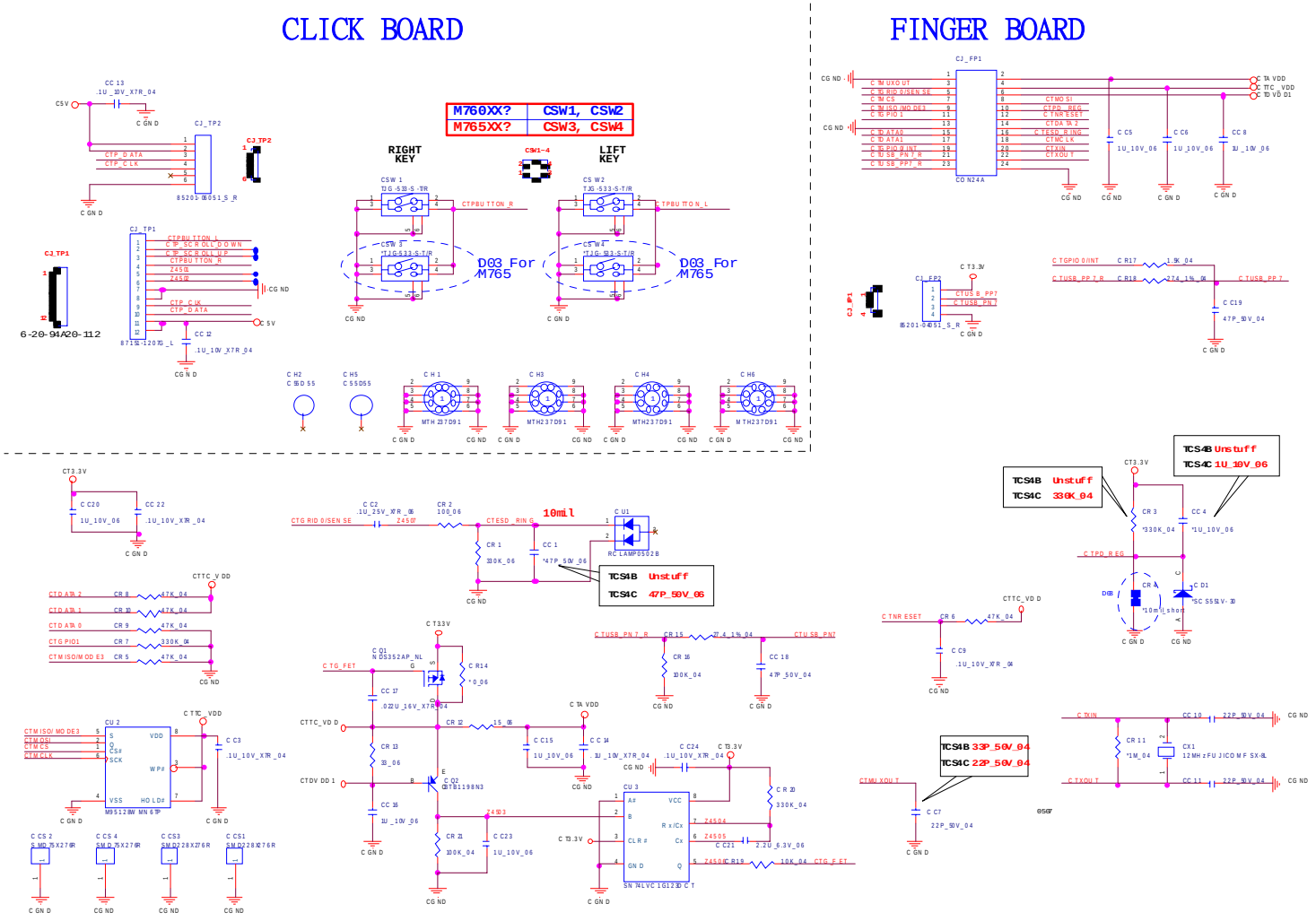
Sheet 38 of 47
VDD3, VDD5

CHARGER, DC IN

Sheet 39 of 47
CHARGER, DC IN



CLICK FINGER BOARD FOR M76



Sheet 40 of 47
CLICK FINGER BOARD FOR M76

MULTI FUNCTION BOARD

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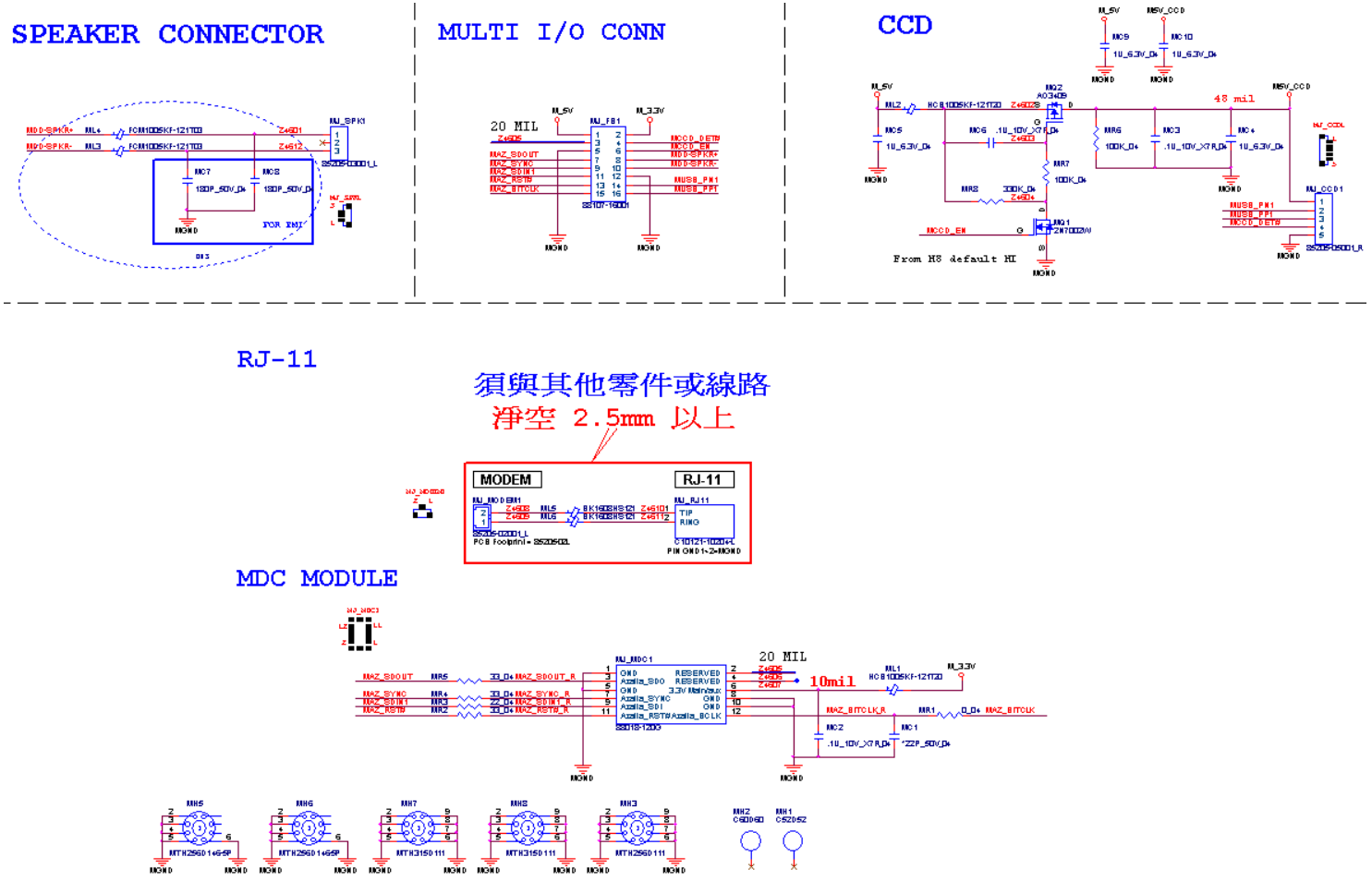
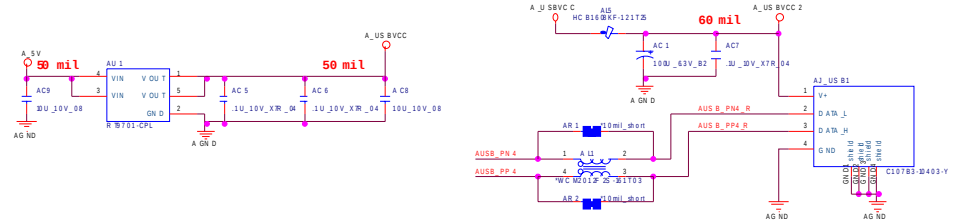
MULTI FUNCTION BOARD



AUDIO BOARD

USB PORT



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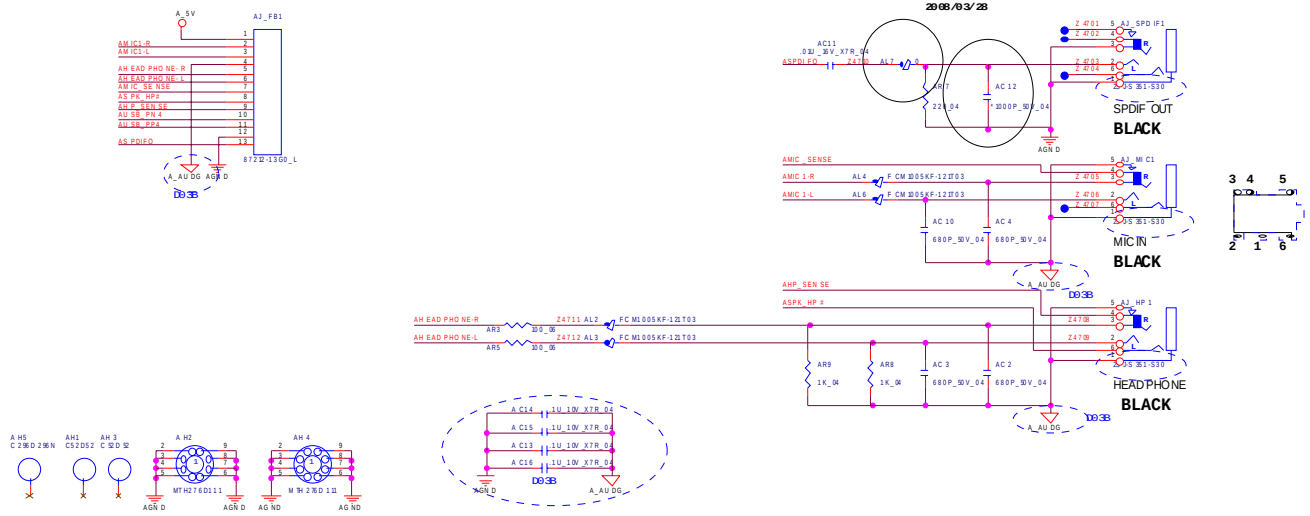
AUDIO BOARD

AUDIO JACK



FINGER SENSOR BOARD

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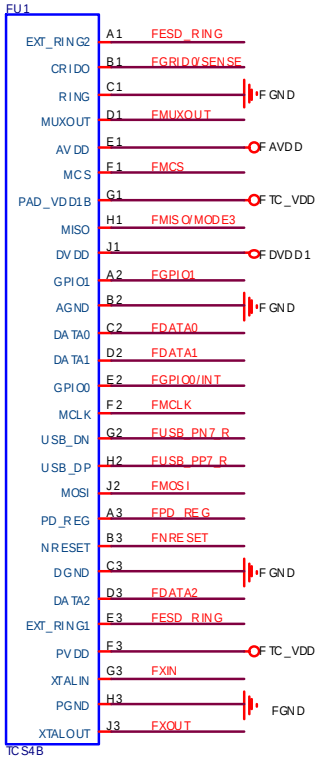
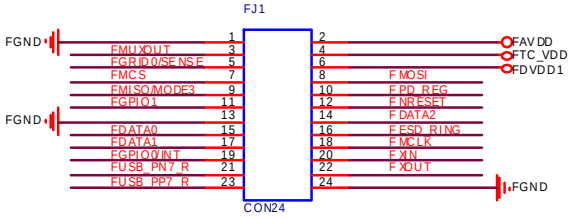
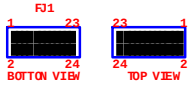
FINGER SENSOR BOARD

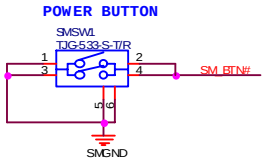


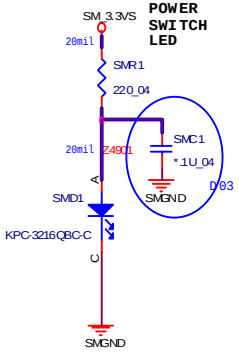


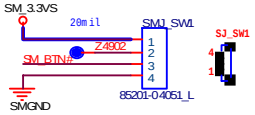


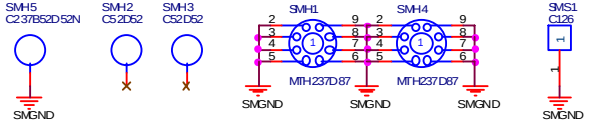
POWER SWITCH BOARD FOR M74

POWER SW & POWER LED FOR M74









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POWER SWITCH BOARD FOR M74

FINGER BOARD FOR M74

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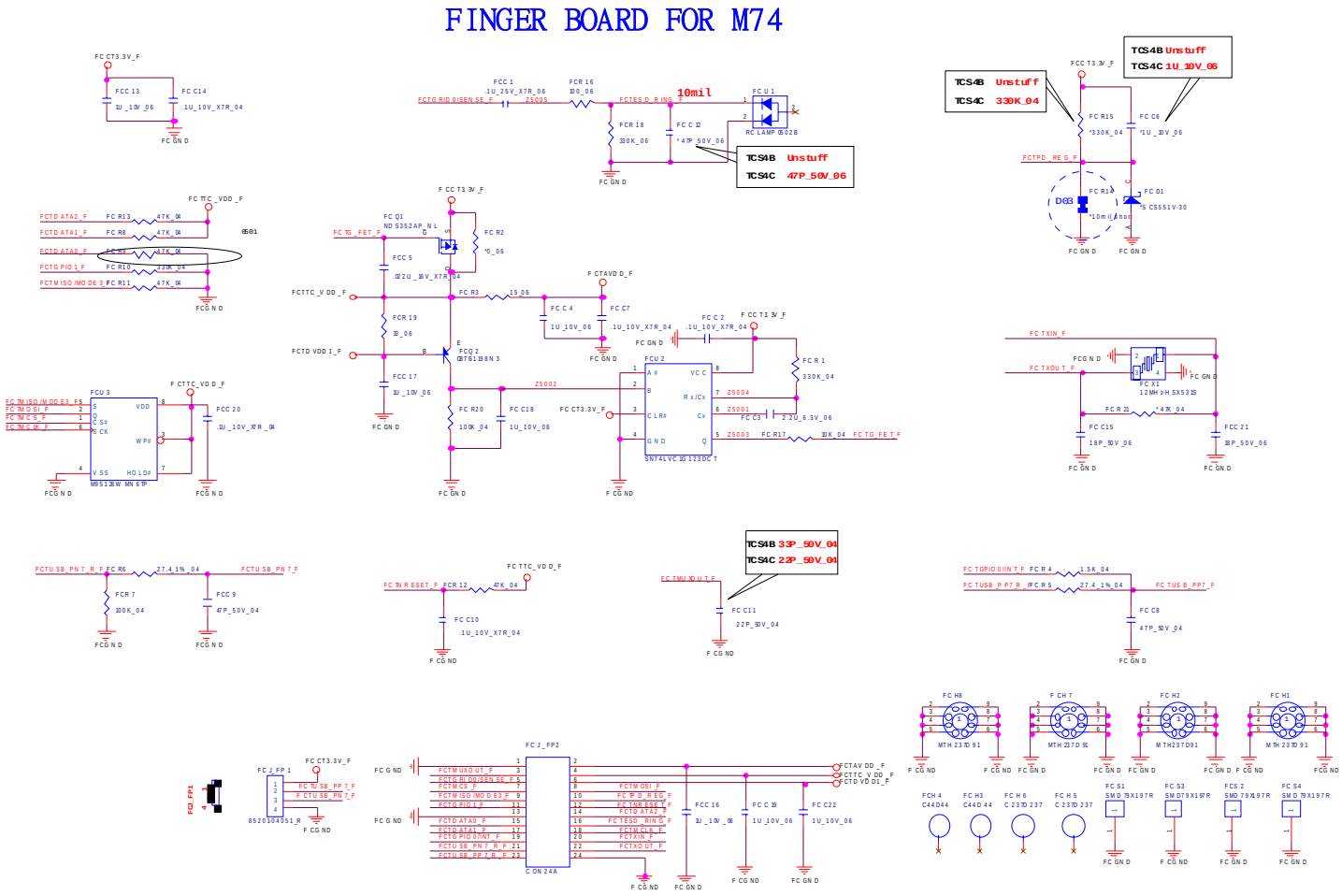
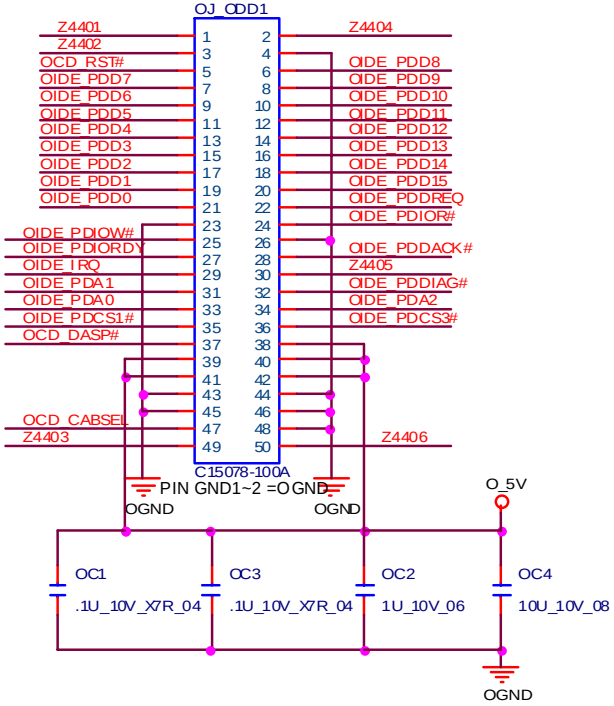
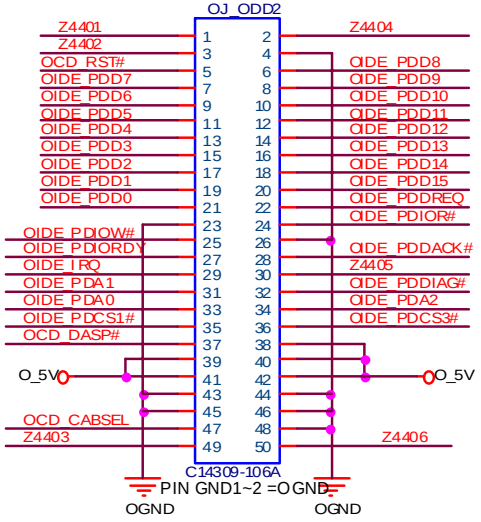
FINGER BOARD
FOR M74



EXTERNAL ODD BOARD FOR M76





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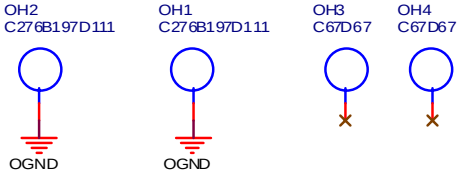
EXTERNAL ODD BOARD FOR M76



POWER SWITCH BOARD FOR M76

POWER SW & POWER LED FOR M76

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POWER SWITCH BOARD FOR M76