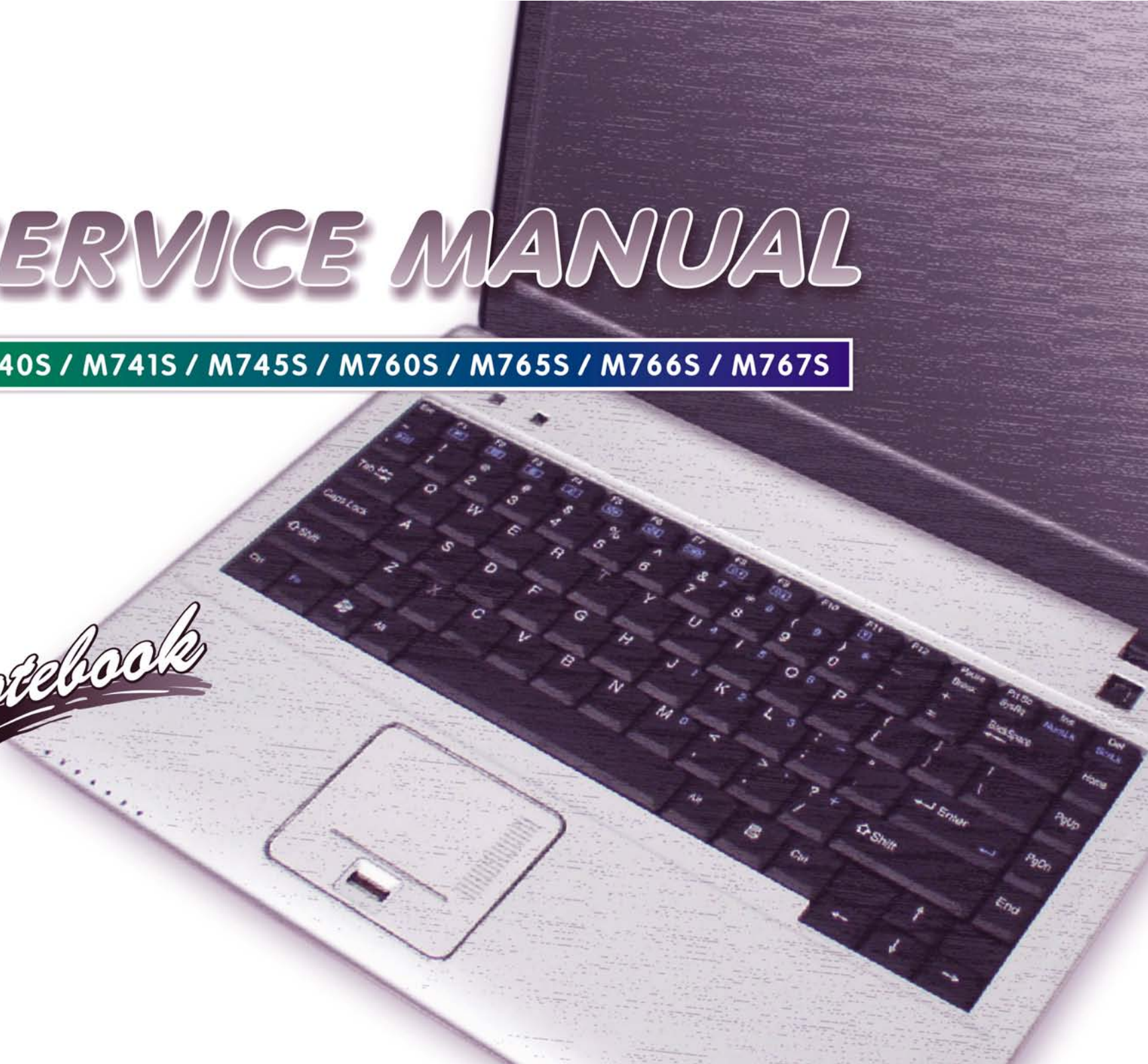


# *SERVICE MANUAL*

M740S / M741S / M745S / M760S / M765S / M766S / M767S

*notebook*





**Notebook Computer**

**M740S/M741S/M745S/M760S/M765S/M766S/M767S**

**Service Manual**

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May 2008

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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 *M740S/M741S/M745S/M760S/M765S/M766S/M767S* 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 (DC Output 19V, 3.42A or 18.5V, 3.5A (**65W**) minimum AC/DC Adapter).

## 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**

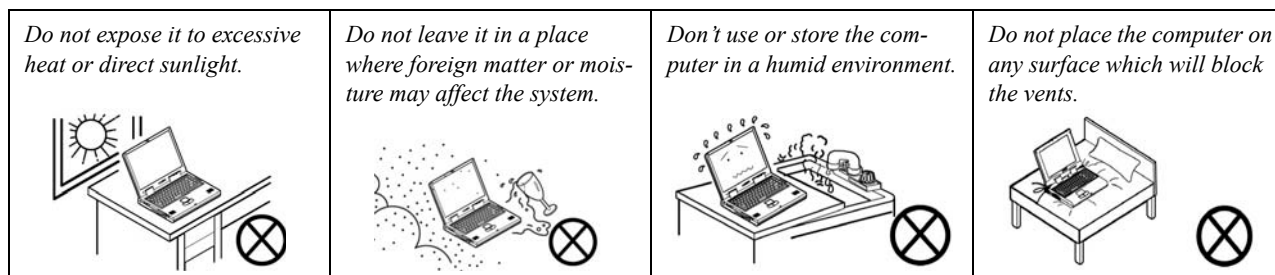
## Instructions for Care and Operation

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

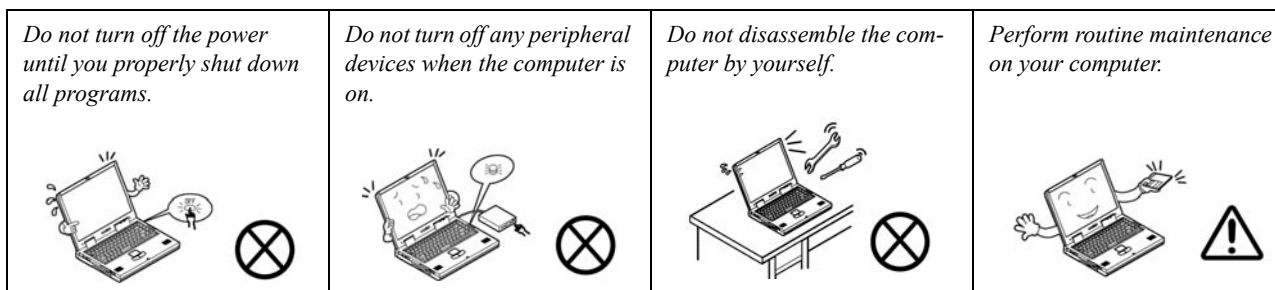
1. **Don't drop it, or expose it to shock.** If the computer falls, the case and the components could be damaged.



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.

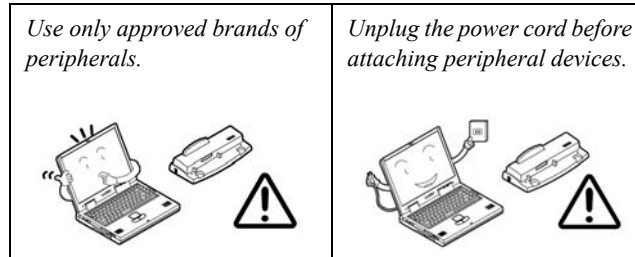


3. **Follow the proper working procedures for the computer.** Shut the computer down properly and don't forget to save your work. Remember to periodically save your data as data may be lost if the battery is depleted.





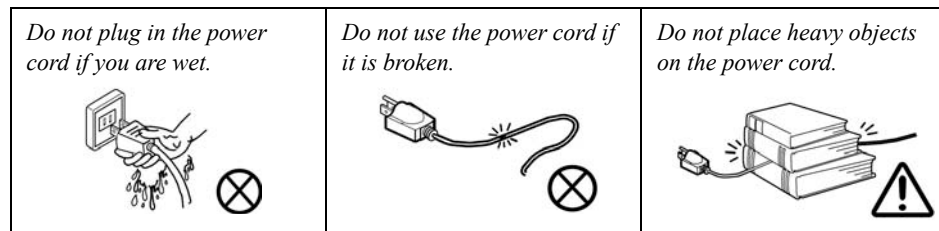
4. **Avoid interference.** Keep the computer away from high capacity transformers, electric motors, and other strong magnetic fields. These can hinder proper performance and damage your data.
5. **Take care when using peripheral devices.**



## 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.



## 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.

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# Chapter 1: Introduction

## Overview

This manual covers the information you need to service or upgrade the *M740S/M741S/M745S/M760S/M765S/M766S/M767S* 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.

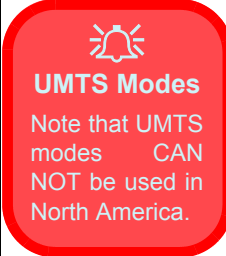
Operating systems (e.g. *Windows XP*, *Windows Vista*, etc.) have their own manuals as do application software (e.g. word processing and database programs). If you have questions about those programs, you should consult those manuals.

The *M740S/M741S/M745S/M760S/M765S/M766S/M767S* 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	
<b>Processor</b>	Intel® Core™2 Duo Processor (478-pin) Micro-FC-PGA Package, Socket P <b>T8100/ T8300</b>	45nm (45 Nanometer) Process Technology 3MB On-die L2 Cache & 800MHz FSB 2.1/ 2.4 GHz
	Intel® Core™2 Duo Processor (478-pin) Micro-FC-PGA Package, Socket P <b>T9300/ T9500</b>	45nm (45 Nanometer) Process Technology 6MB On-die L2 Cache & 800MHz FSB 2.5/ 2.6 GHz
	Intel® Core™2 Duo Processor <b>(478-pin) Micro-FC-PGA Package, Socket P</b> T7100/ T7250	65nm (65 Nanometer) Process Technology 2MB On-die L2 Cache & 800MHz FSB 1.80/ 2.0 GHz
	Intel® Core™2 Duo Processor (478-pin) Micro-FC-PGA Package, Socket P <b>T7300/ T7500/ T7700/ T7800</b>	65nm (65 Nanometer) Process Technology 4MB On-die L2 Cache & 800MHz FSB 2.0/ 2.2/ 2.4/ 2.6 GHz
	Intel® Celeron® M Processor (478-pin) Micro-FCPGA Package, Socket P <b>530/ 540/ 550/ 560</b>	65nm (65 Nanometer) Process Technology 1MB On-die L2 Cache & 533MHz FSB 1.73/ 1.86/ 2.0/ 2.13 GHz
<b>Core Logic</b>	SiS M672 + SiS968 Chipset	
<b>LCD</b>	<b><u>M740S/M741S/M745S</u></b> 14.1" WXGA/ WXGA+ Glare Type TFT LCD	<b><u>M760S/M765S/M766S/M767S</u></b> 15.4" WXGA/ WXGA+/ WSXGA+ Glare Type TFT LCD
	<b>Video Adapter</b> SIS M672 Integrated Video High Preference 3D/2D Graphic Accelerator Shared Memory Architecture (up to <b>256MB</b> dynamically allocated from system memory where needed) Supports DirectX 9.0 Supports Vertex Shader 2.0 and Pixel Shader 2.0	
<b>Memory</b>	64-bit Wide <b>DDRII (DDR2)</b> Data Channel Two 200 Pin SO-DIMM Sockets Supporting <b>DDRII (DDR2) 667MHz</b>  Memory Expandable up to <b>2GB</b> (1024MB/ 2048MB <b>DDRII</b> Modules)	
<b>Security</b>	Security (Kensington® Type) Lock Slot	BIOS Password
<b>BIOS</b>	One 8Mb SPI Flash ROM	Phoenix™ BIOS

Feature	Specification	
<b>Storage</b>	One Changeable 12.7mm(h) <b>PATA</b> Optical Device (CD/DVD) Type Drive (see "Optional" on page 1 - 4) Easy Changeable 2.5" 9.5 mm (h) <b>SATA</b> (Serial) HDD	
<b>Audio</b>	High Definition Audio (HDA) Compliant with Microsoft UAA (Universal Audio Architecture)	Direct Sound 3D™ Compatible 2 * Built-In Speakers Built-In Microphone
<b>Keyboard &amp; Pointing Device</b>	Winkey Keyboard	Built-In TouchPad with Scrolling Function
<b>Interface</b>	Three USB 2.0 Ports One Headphone-Out Jack One Microphone-In Jack One S/PDIF-Out Jack	One RJ-11 Modem Jack One RJ-45 LAN Jack One DC-In Jack One External Monitor Port
<b>Card Reader</b>	Embedded 7-in-1 Card Reader (MS/ MS Pro/ SD/ Mini SD/ MMC/ RS MMC/ MS Duo) <b>Note:</b> MS Duo/ Mini SD/ RS MMC Cards require a PC adapter	
<b>ExpressCard Slot</b>	One ExpressCard/34(54) Slot	
<b>Communication</b>	 <p>10M/100Mb Base-T Ethernet LAN 56K MDC Modem V.90 &amp; V.92 Compliant 3rd Party 802.11b/g Wireless LAN Mini-Card Module with USB interface (<b>Option</b>) Bluetooth 2.0 + EDR (Enhanced Data Rate) Module (<b>Factory Option</b>) 1.3M (UVC or non UVC) or 2.0M Pixel USB PC Camera Module (<b>Factory Option</b>)</p> <p>3.5G Module: UMTS/HSPDA-based 3.5G Module with Mini-Card Interface (<b>Factory Option</b>) Quad-band GSM/GPRS (850 MHz, 900 MHz, 1800 MHz, 1900 MHz) UMTS WCDMA FDD (2100 MHz)</p>	
<b>Power Management</b>	Supports ACPI 3.0 Supports Wake on LAN	Supports Wake on USB Supports Resume from Modem Ring
<b>Power</b>	Full Range AC/DC Adapter AC input 100 - 240V, 50 - 60Hz, DC Output 19V, 3.42A <b>OR</b> 18.5V, 3.5A ( <b>65 Watts</b> )	
<b>Battery</b>	6 Cell Smart Lithium-Ion Battery Pack, 4000mAH <b>OR</b> 4400mAH  9 Cell Smart Lithium-Ion Battery Pack, 7200mAH ( <b>Option</b> )	



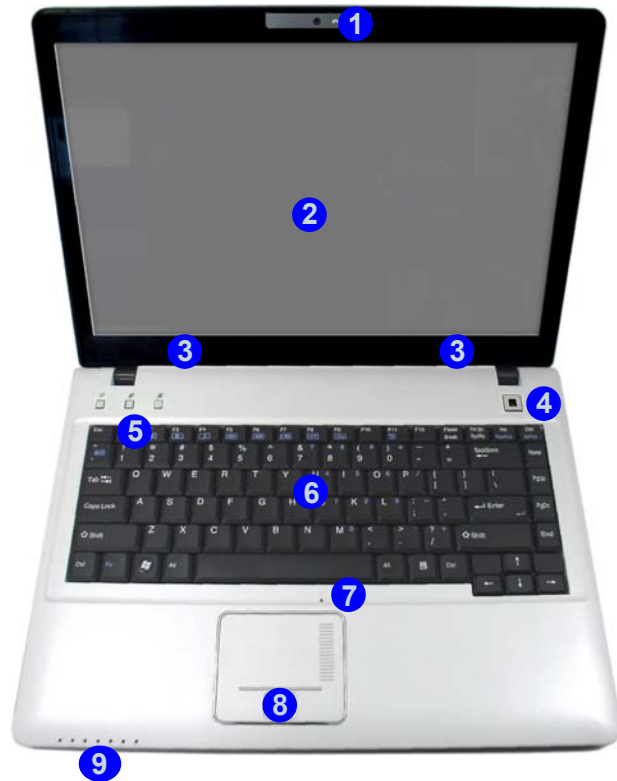
## Introduction

Feature	Specification	
<b>Environmental Spec</b>	Temperature Operating: 5°C - 35°C Non-Operating: -20°C - 60°C	Relative Humidity Operating: 20% - 80% Non-Operating: 10% - 90%
<b>Dimensions &amp; Weight</b>	<u><b>M740S/M741S/M745S</b></u> 336mm (w) * 250mm (d) * 24.8-35.7mm (h)  2.2 kg With 6 Cell Battery & ODD	<u><b>M760S/M765S/M766S/M767S:</b></u> 359mm (w) * 268mm (d) * 24.8-37mm (h)  2.5 kg With 6 Cell Battery & ODD
<b>Optional</b>	Optical Drive Module Options: DVD-ROM/CD-RW Combo Drive Module DVD Dual (Super Multi) Drive Module  3rd Party 802.11b/g Wireless LAN Mini-Card Module with USB interface  9 Cell Smart Lithium-Ion Battery Pack  1.3M (UVC or non UVC) or 2.0M Pixel USB PC Camera Module ( <b>Factory Option</b> )	Bluetooth 2.0 + EDR (Enhanced Data Rate) Module ( <b>Factory Option</b> )  UMTS/HSPDA-based 3.5G Module with Mini-Card Interface ( <b>Factory Option</b> ) Quad-band GSM/GPRS (850 MHz, 900 MHz, 1800 MHz, 1900 MHz) UMTS WCDMA FDD (2100 MHz)  <div data-bbox="1458 775 1995 975" style="border: 2px solid red; border-radius: 15px; padding: 10px; text-align: center;">   <b>UMTS Modes</b>                      Note that UMTS modes CAN NOT be used in North America.                 </div>

## External Locator - Top View with LCD Panel Open

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. LED Indicators



M740S/M741S/M745S



M760S/M765S/M766S/M767S



## Introduction

*Figure 2*  
**Front Views**

1. LED Power & Communication Indicators

## External Locator - Front & Right side Views



*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

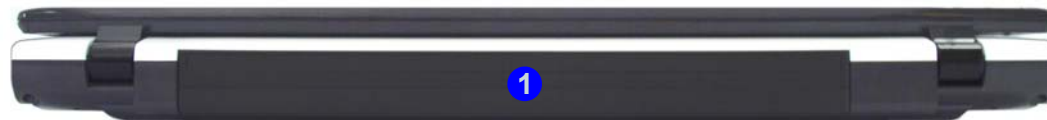


## External Locator - Left Side & Rear View



*Figure 4*  
**Left Side View**

1. DC-In Jack
2. External Monitor Port
3. RJ-45 LAN Jack
4. Vent/Fan Intake/Outlet
5. 2 \* USB 2.0 Ports
6. ExpressCard Slot
7. 7-in-1 Card Reader



*Figure 5*  
**Rear View**

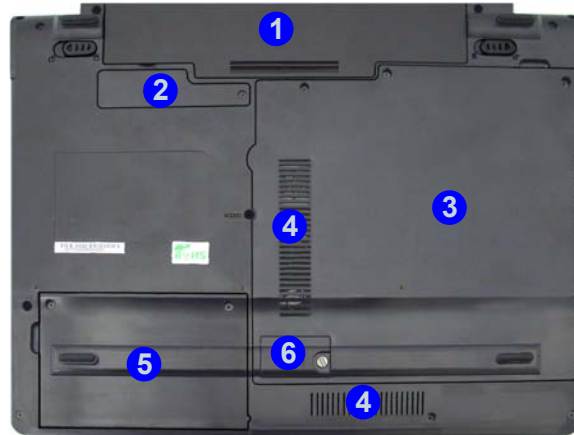
1. Battery

## Introduction

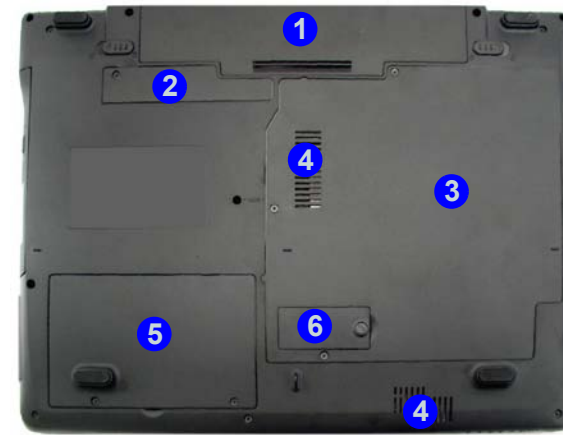
### External Locator - Bottom View

*Figure 6*  
**Bottom View**

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



M740S/M741S/M745S



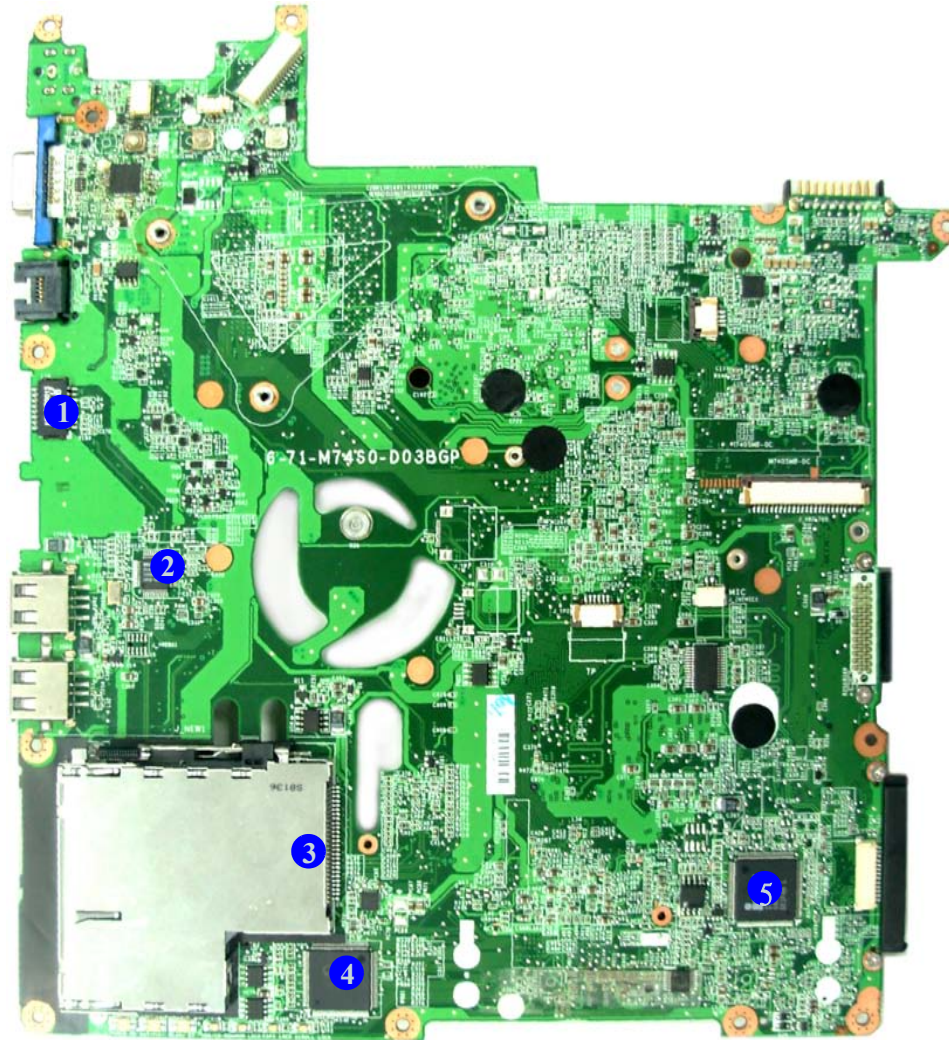
M760S/M765S/M766S/M767S



#### Overheating

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

## Mainboard Overview - Top (Key Parts)



*Figure 7*  
**Mainboard Top  
Key Parts**

1. Transformer
2. RTL8201CL
3. ExpressCard Connector
4. ENE MR510
5. KBC ITE IT8512E

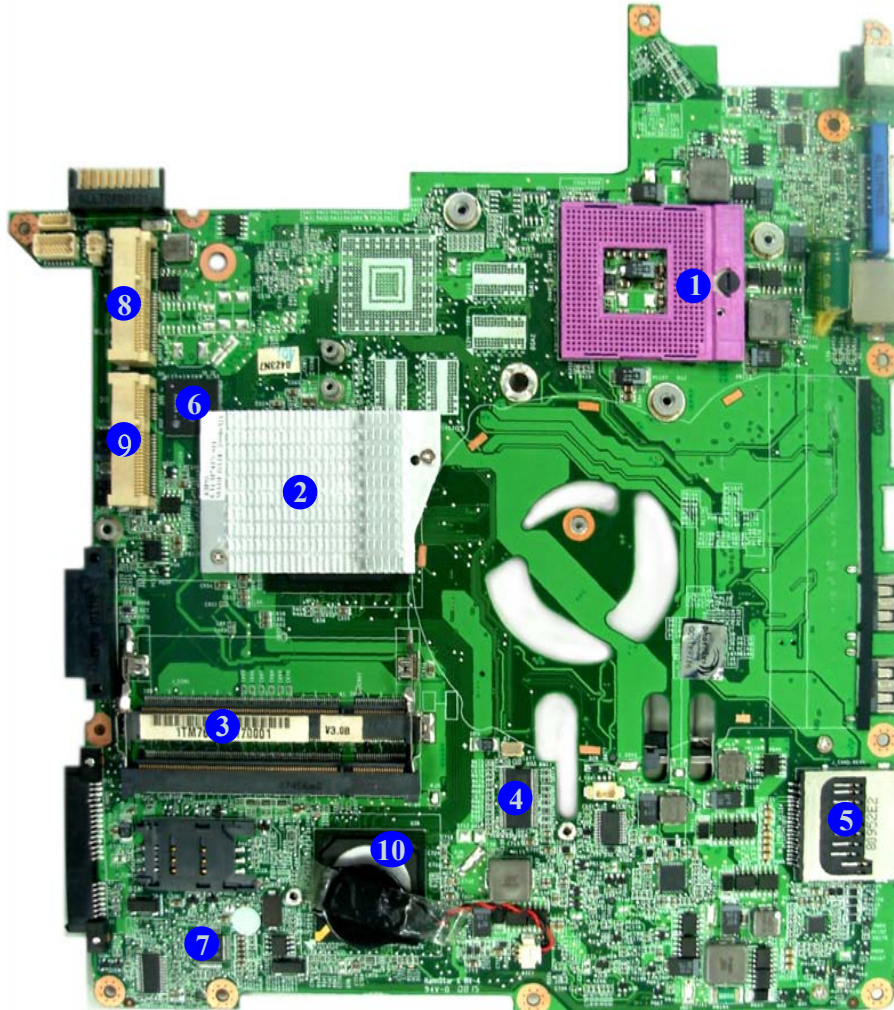


## Introduction

# Mainboard Overview - Bottom (Key Parts)

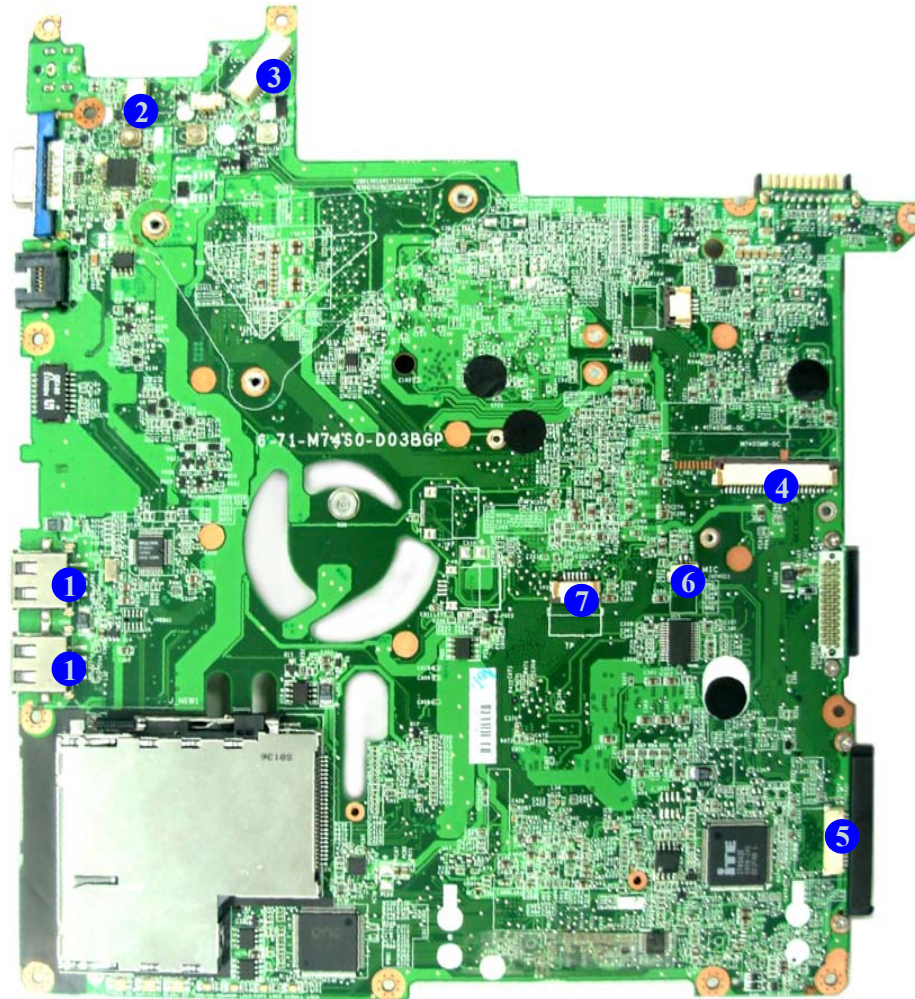
*Figure 8*  
**Mainboard Bottom  
Key Parts**

1. CPU Socket (no CPU installed)
2. SiSM672
3. Memory Slots  
DDR2 SO-DIMM
4. ICS  
9LPR600CGLF
5. Card Reader  
Socket
6. SiS307ELV
7. Audio Codec  
ALC62
8. Mini-Card  
Connector (WLAN  
Module)
9. Mini-Card  
Connector (3G  
Module)
10. SiS968





## Mainboard Overview - Top (Connectors)



*Figure 9*  
**Mainboard Top  
Connectors**

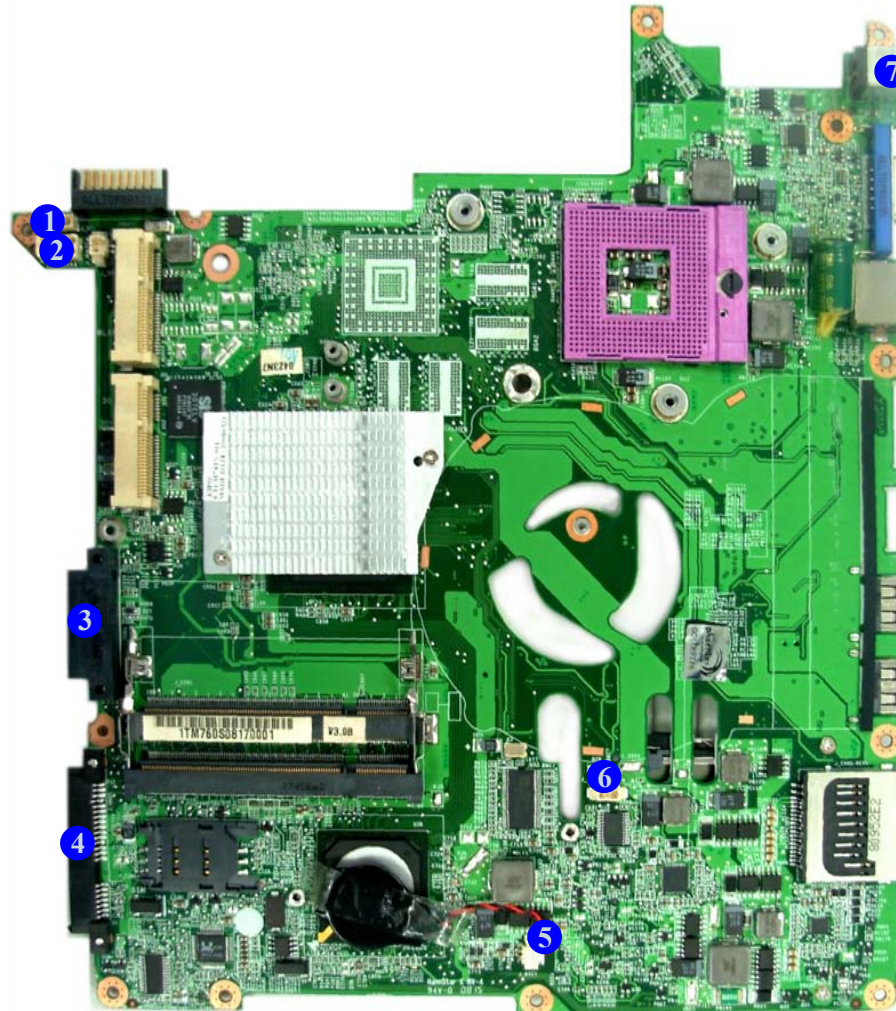
1. USB Port
2. Inverter Connector
3. LCD Cable Connector
4. Keyboard Cable Connector
5. Audio Board Connector
6. Microphone Cable Connector
7. TouchPad Cable Connector

## Introduction

*Figure 10*  
**Mainboard Bottom  
Connectors**

## Mainboard Overview - Bottom (Connectors)

1. BT Cable Connector
2. Multi Board Connector
3. CD-ROM Connector
4. HDD Connector
5. CMOS Bat. Connector
6. CPU Fan Cable Connector
7. DC-In Jack




# Chapter 2: Disassembly



## Overview

This chapter provides step-by-step instructions for disassembling the *M740S/M741S/M745S/M760S/M765S/M766S/M767S* series notebook's parts and subsystems. When it comes to reassembly, reverse the procedures (unless otherwise indicated).

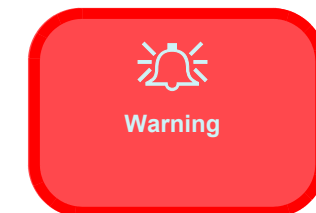
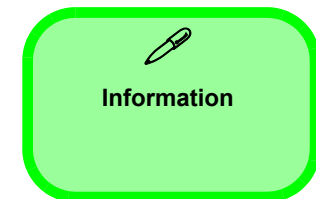
We suggest you completely review any procedure before you take the computer apart.

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.



## Disassembly

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**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-borne 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.

## 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.



### 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.

### 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 Modules:

1. Remove the battery [page 2 - 5](#)
2. Remove the Bluetooth [page 2 - 18](#)

#### To remove the Keyboard:

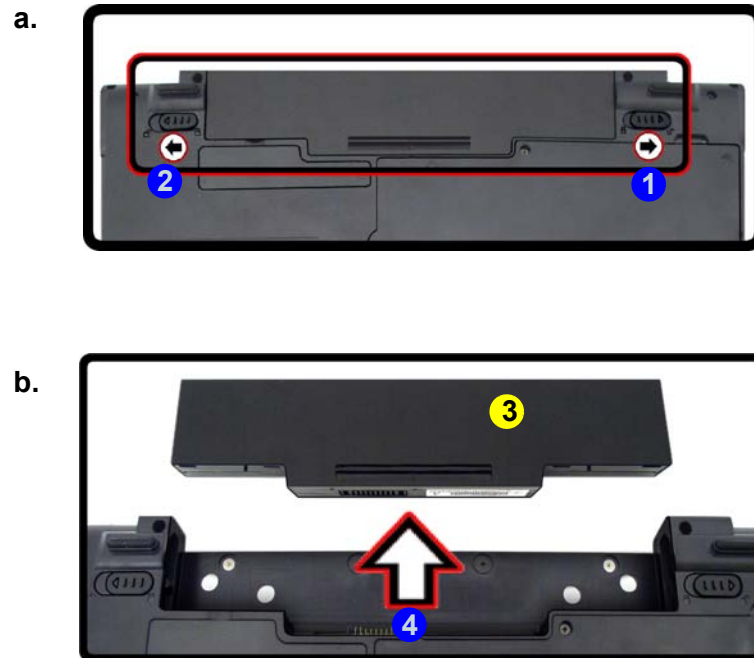
1. Remove the battery [page 2 - 5](#)
2. Remove the keyboard [page 2 - 19](#)

#### To remove the Modem:

1. Remove the battery [page 2 - 5](#)
2. Remove the HDD [page 2 - 6](#)
3. Remove the system memory [page 2 - 11](#)
4. Remove the Optical device [page 2 - 9](#)
5. Remove the processor [page 2 - 14](#)
6. Remove the keyboard [page 2 - 19](#)
7. Remove the modem [page 2 - 20](#)

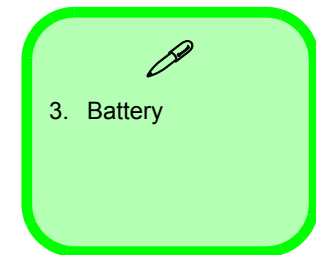
## Removing the Battery

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**.



*Figure 1*  
**Battery Removal**

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





# Removing the Hard Disk Drive

*Figure 2*  
**HDD Assembly  
Removal**

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.

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

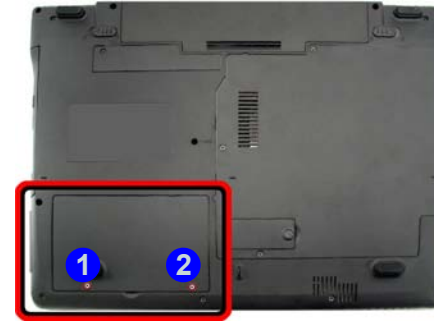
### Hard Disk Upgrade Process

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.



M740S/M741S/M745S



M760S/M765S/M766S/M767S



- 2 Screws



#### HDD System Warning

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

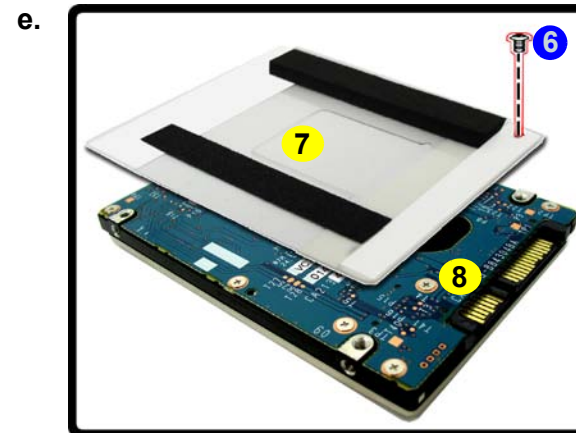
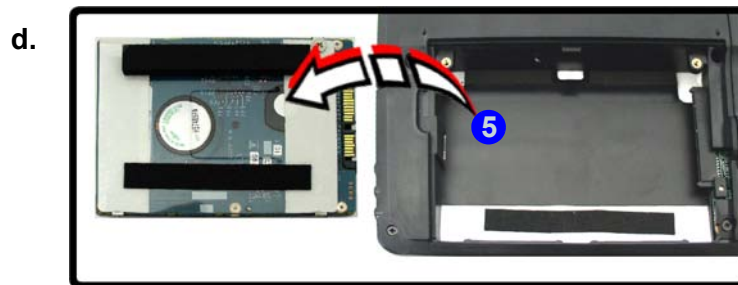
You have backed up any data you want to keep from your old HDD.

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 M740S/M741S/M745S 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).



*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

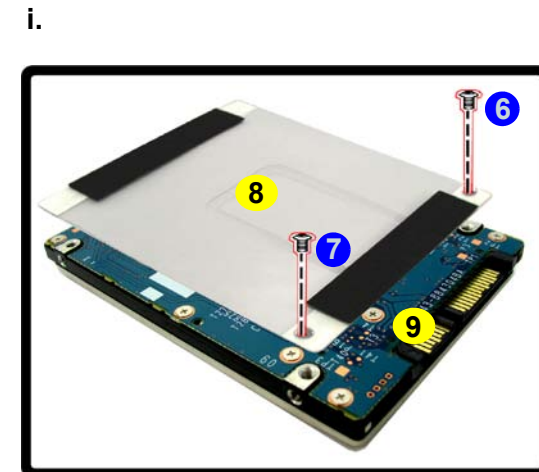
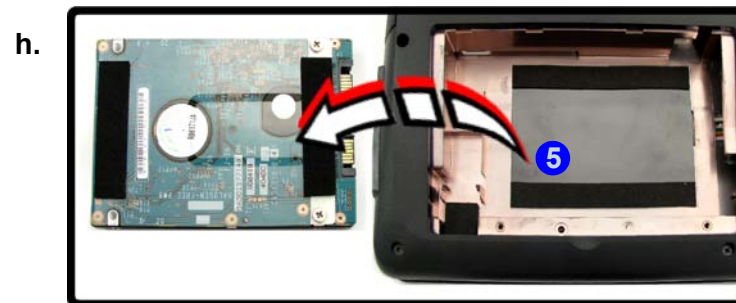
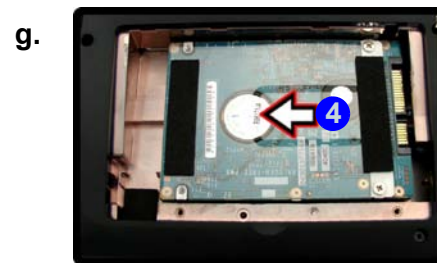
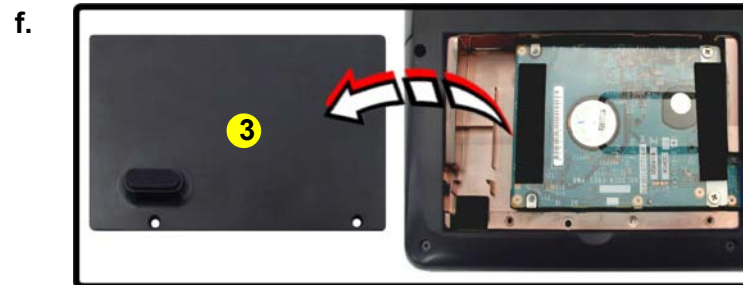
## Disassembly

*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 **M760S/M765S/M766S/M767S** 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).



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

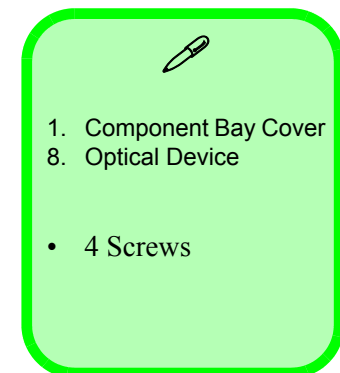
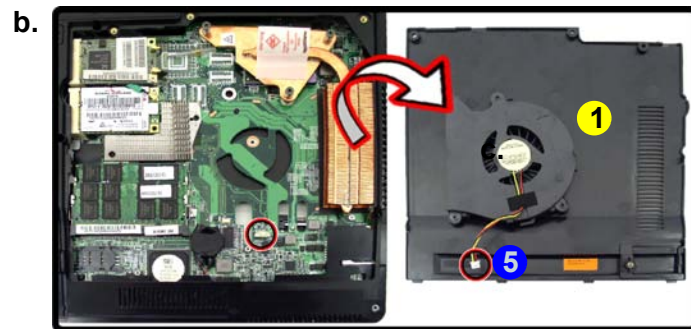
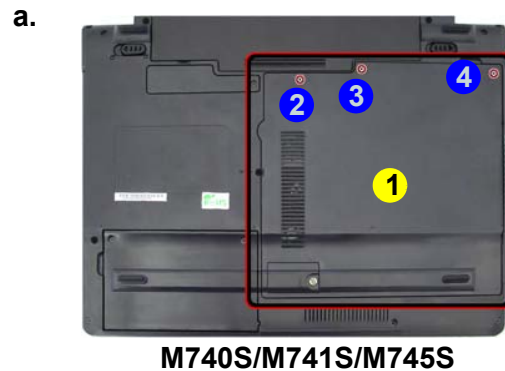
- 2 Screws

## Removing the Optical (CD/DVD) Device

1. Turn **off** the computer, and remove the battery ([page 2 - 5](#)).
2. **M740S/M741S/M745S: (see over for M760S/M765S/M766S/M767S)** 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.



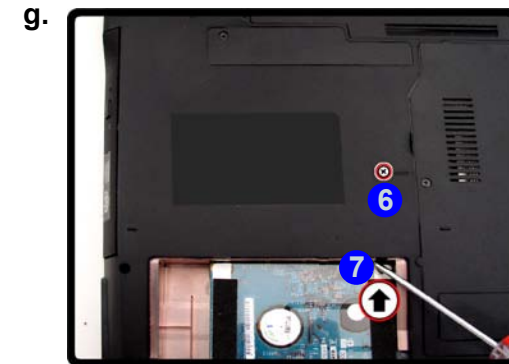
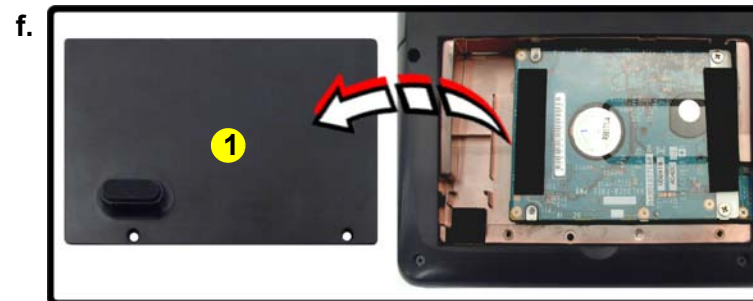
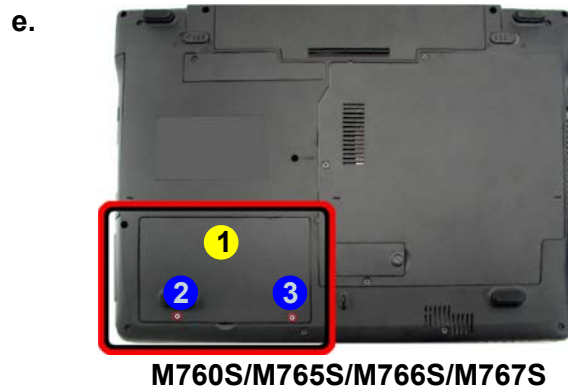
## Disassembly

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. **M760S/M765S/M766S/M767S:** 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.



- 1. HDD Bay Cover
- 8. Optical Device

- 3 Screws

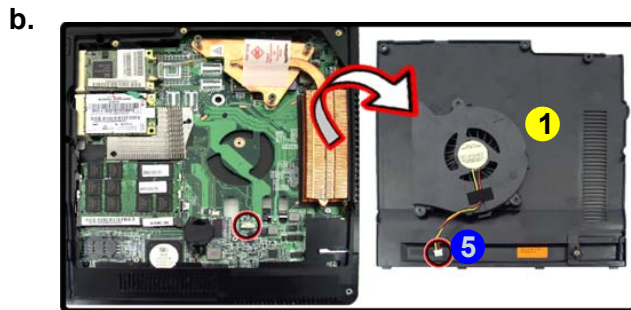


## Removing the System Memory (RAM)

The computer has two memory sockets for 200 pin Small Outline Dual In-line Memory Modules (SO-DIMM) supporting **DDR2** 667MHz. The main memory can be expanded up to 2GB. 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.
4. Carefully disconnect the fan cable **5**, and remove the cover **1**.



**Note:**

Only one model is pictured here, however the component locations are the same for both models.

*Figure 7*  
**RAM Module Removal**

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

**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**

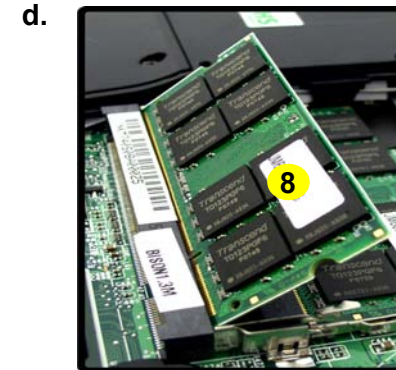
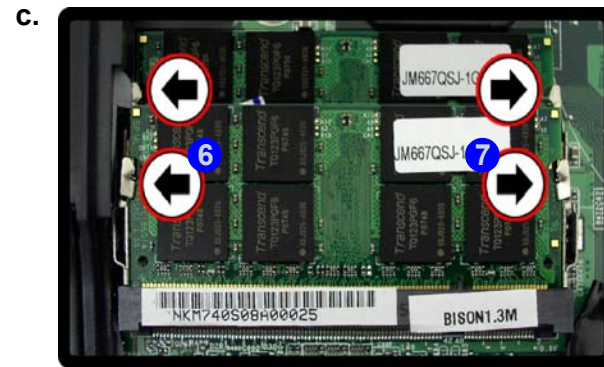
- 3 Screws

## Disassembly

### Figure 8 RAM Module Removal (cont'd.)

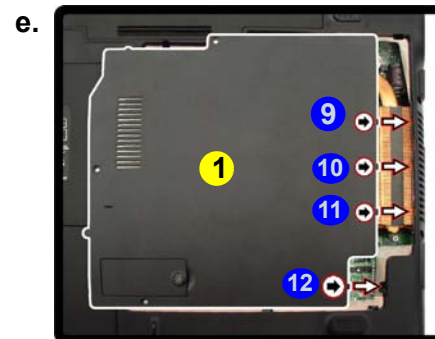
- c. Pull the release latch(es).  
d. Remove the module(s).  
e. Properly re-insert the bay cover pins.

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).

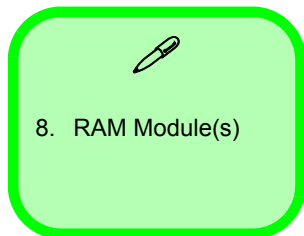


6. The RAM module(s) 8 will pop-up (Figure 8d), and you can then remove it.  
7. Pull the latches to release the second module if necessary.  
8. Insert a new module holding it at about a 30° angle and fit the connectors firmly into the memory slot.  
9. The module's pin alignment will allow it to only 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 M760S/M765S/M766S/M767S 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.



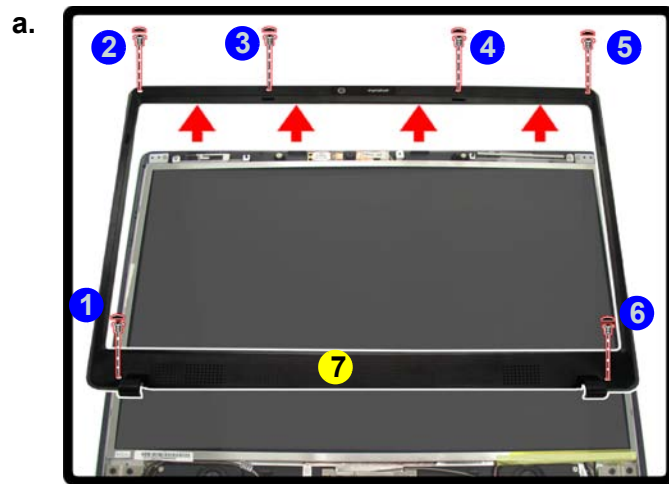
12. Restart the computer to allow the BIOS to register the new memory configuration as it starts up.






## Removing the Inverter Board

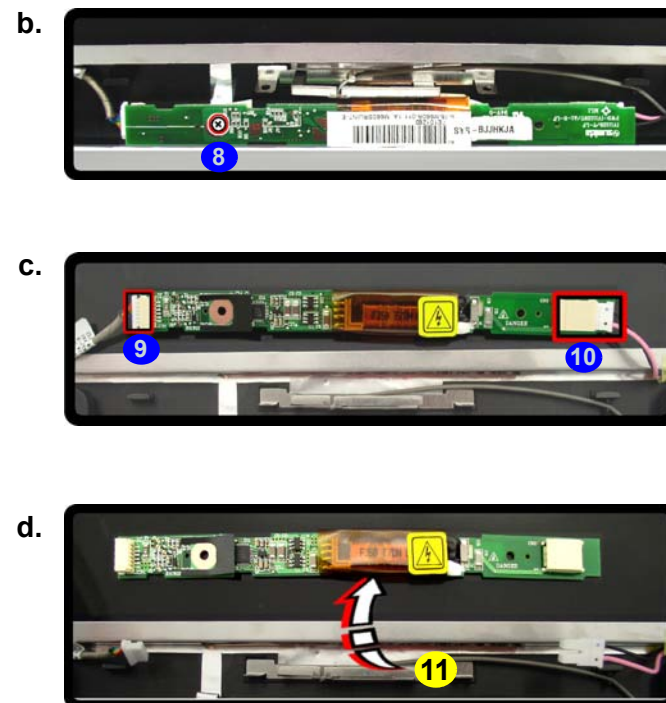
1. Turn **off** the computer, and remove the battery ([page 2 - 5](#)).
2. Remove any rubber covers, screws **1** - **6** ([Figure 9a](#)), then run your finger around the middle of the frame to carefully unsnap the LCD front panel module **7** from the back.
3. Discharge the remaining system power (see [“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.






**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

*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.

## Removing and Installing the Processor

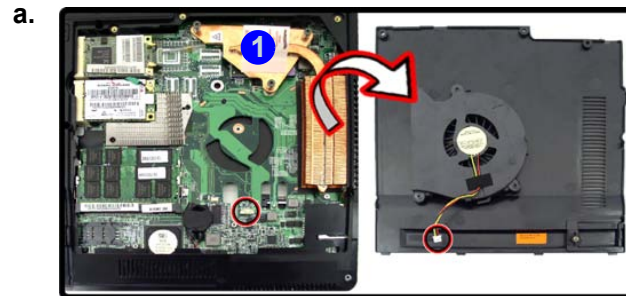
### Processor Removal Procedure

Figure 10

#### Processor Removal

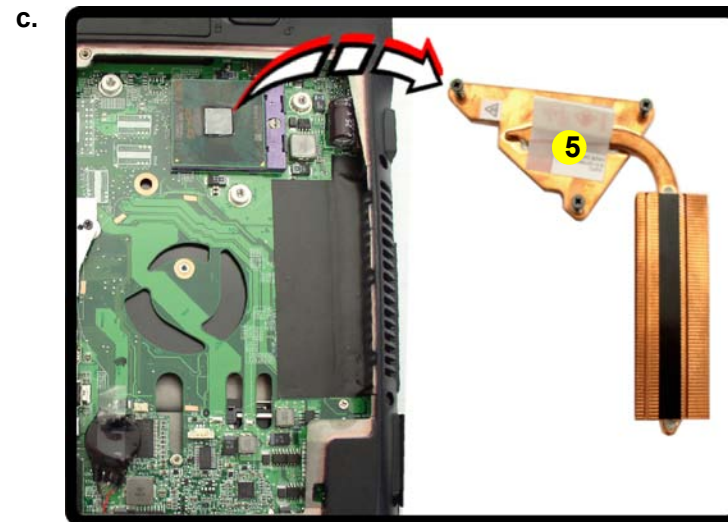
- Remove the cover and locate the heat sink.
- Remove the screws in the order indicated.
- Remove the heat sink.

- Turn off the computer, remove the battery ([page 2 - 5](#)) and the component bay cover ([page 2 - 11](#)).
- The CPU heat sink will be visible at point 1 on the mainboard.
- Remove screws 2 - 4 ([Figure 10b](#)) from the heat sink in the order indicated.
- Carefully lift up the heat sink 5 ([Figure 10c](#)) off the computer.




#### Note:

Only one model is pictured here, however the component locations are the same for both models.



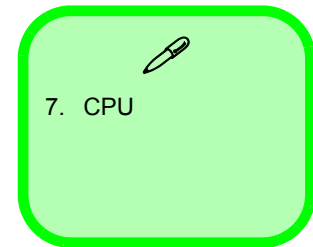
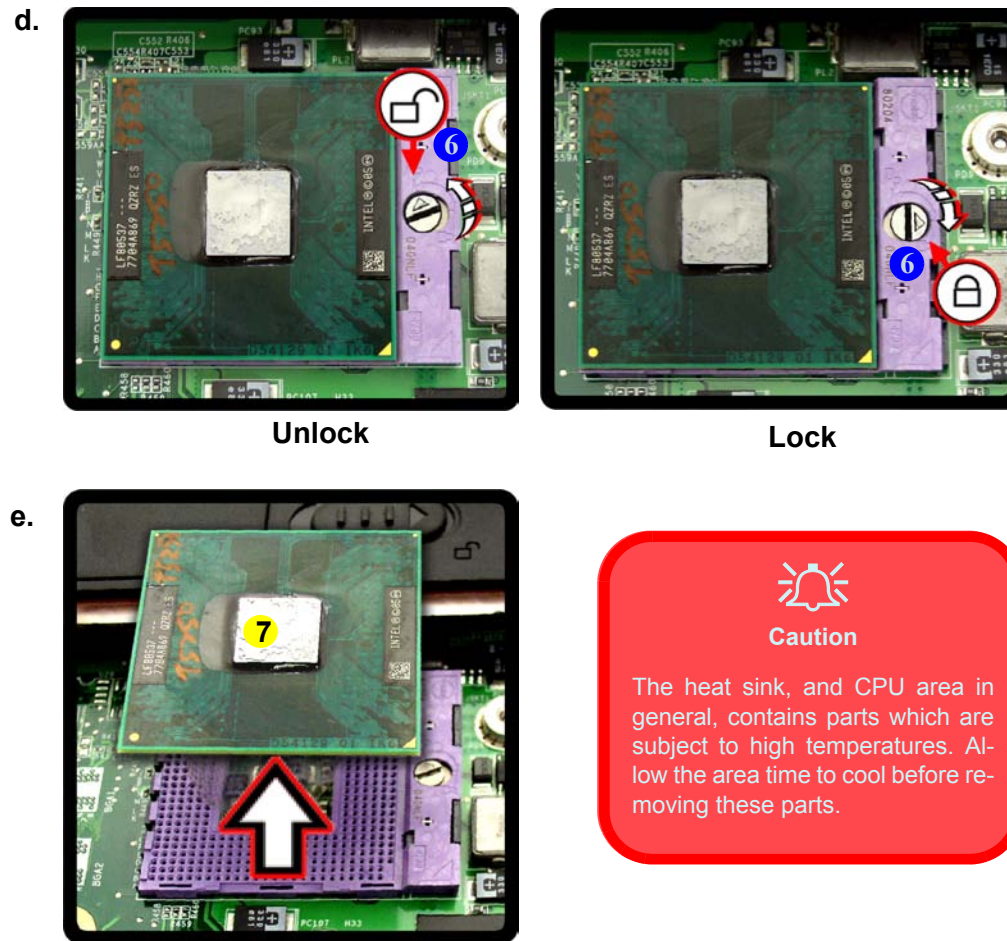
5. Heat Sink

- 3 Screws

5. Turn the release latch **6** towards the unlock symbol , to release the CPU (*Figure 11a*).
6. Carefully (it may be hot) lift the CPU **7** 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.




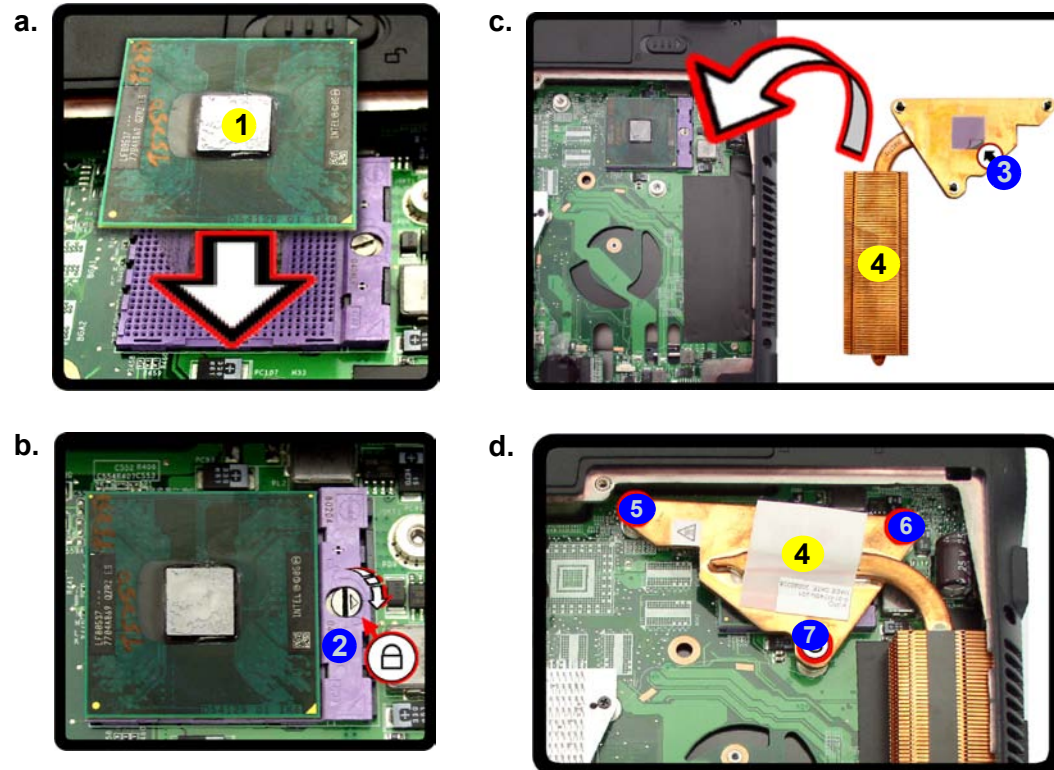
## Disassembly

*Figure 12*  
**Processor Installation**

- Insert the CPU.
- Turn the release latch towards the lock symbol.
- Remove the sticker from the heat sink and insert the heat sink.
- Tighten the screws.

### Processor Installation Procedure

- Insert the CPU **1**, pay careful attention to the pin alignment, it will fit only one way (DO NOT FORCE IT!), and turn the release latch **2** towards the lock symbol  (*Figure 12b*).
- Remove the sticker **3**** (*Figure 12c*) from the heat sink.
- Insert the heat sink **4** as indicated in *Figure 12c*.
- Tighten screws **5** - **7** in the order indicated on the label.
- Replace the component bay cover and tighten the screws (*page 2 - 14*).

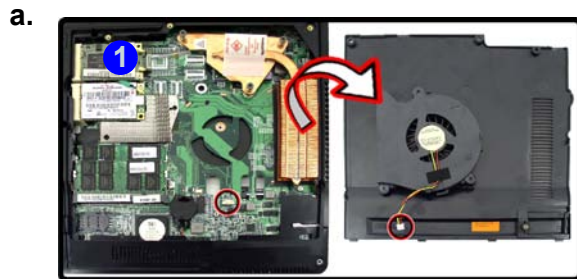


- 1. CPU
- 4. Heat Sink
- 3 Screws



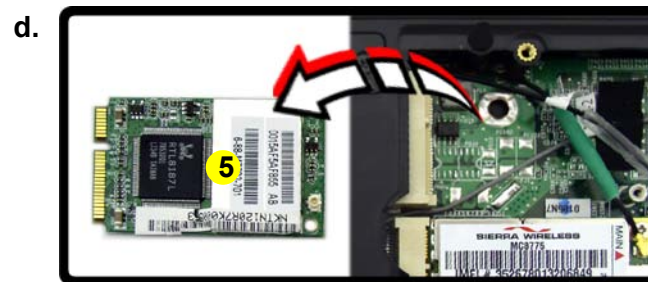
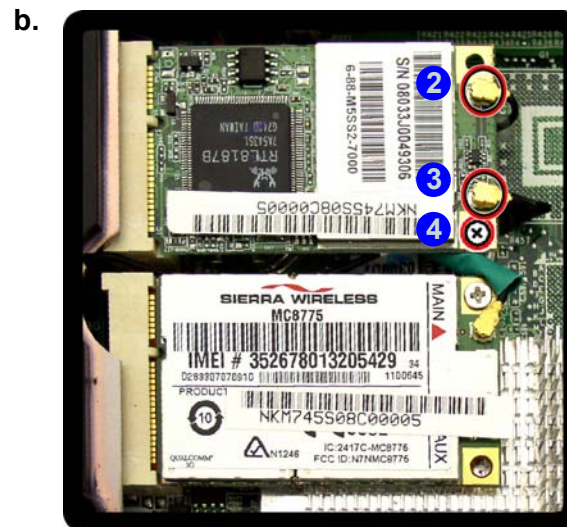
## Removing the Wireless LAN Module

1. Turn **off** the computer, remove the battery ([page 2 - 5](#)) and the component bay cover ([page 2 - 11](#)).
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.



**Note:**

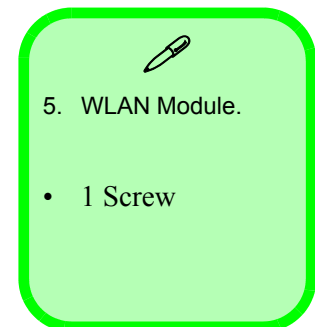
Only one model is pictured here, however the component locations are the same for both models.



*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](#)).



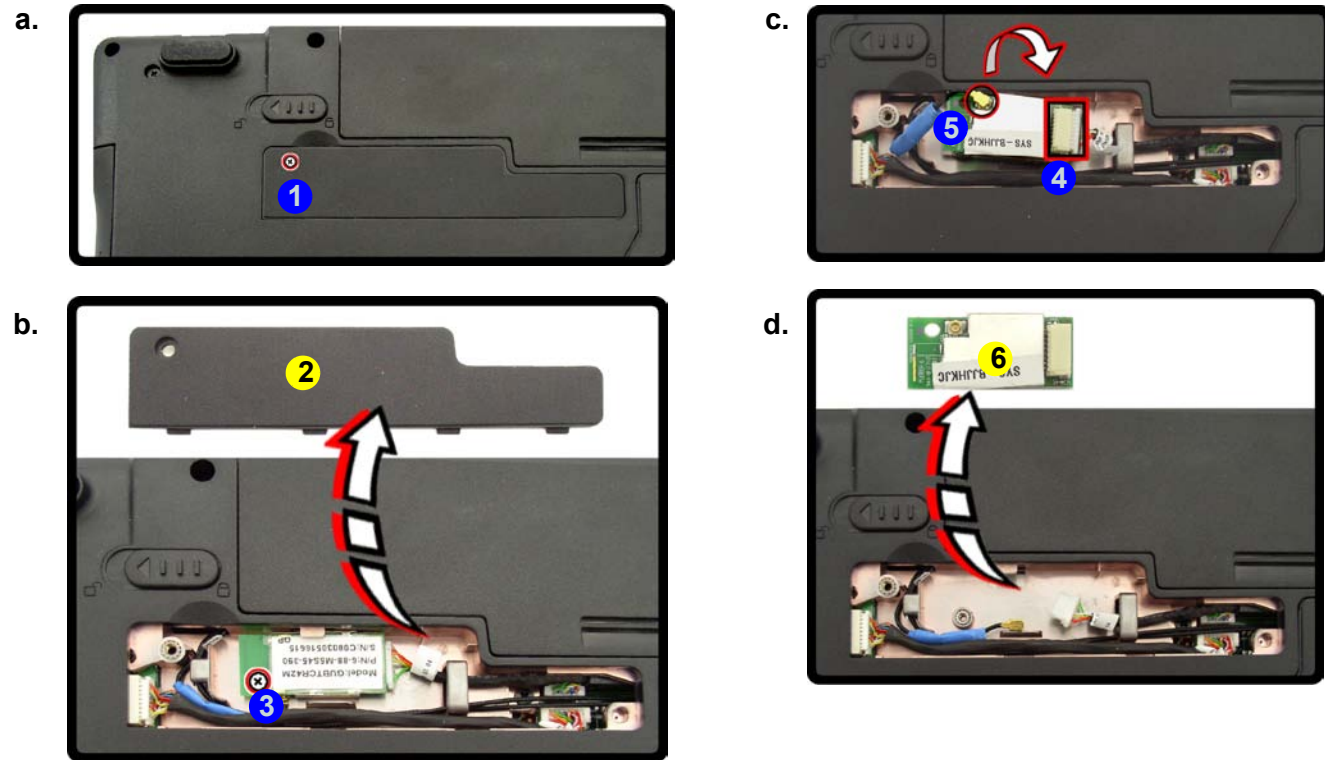
## Disassembly

*Figure 14*  
**Bluetooth Module  
 Removal**

- Remove the screw.
- Lfit the cover and remove the screw.
- Disconnect the cable and the connector.
- Lift the Bluetooth module up off the socket.

## Removing the Bluetooth Module

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

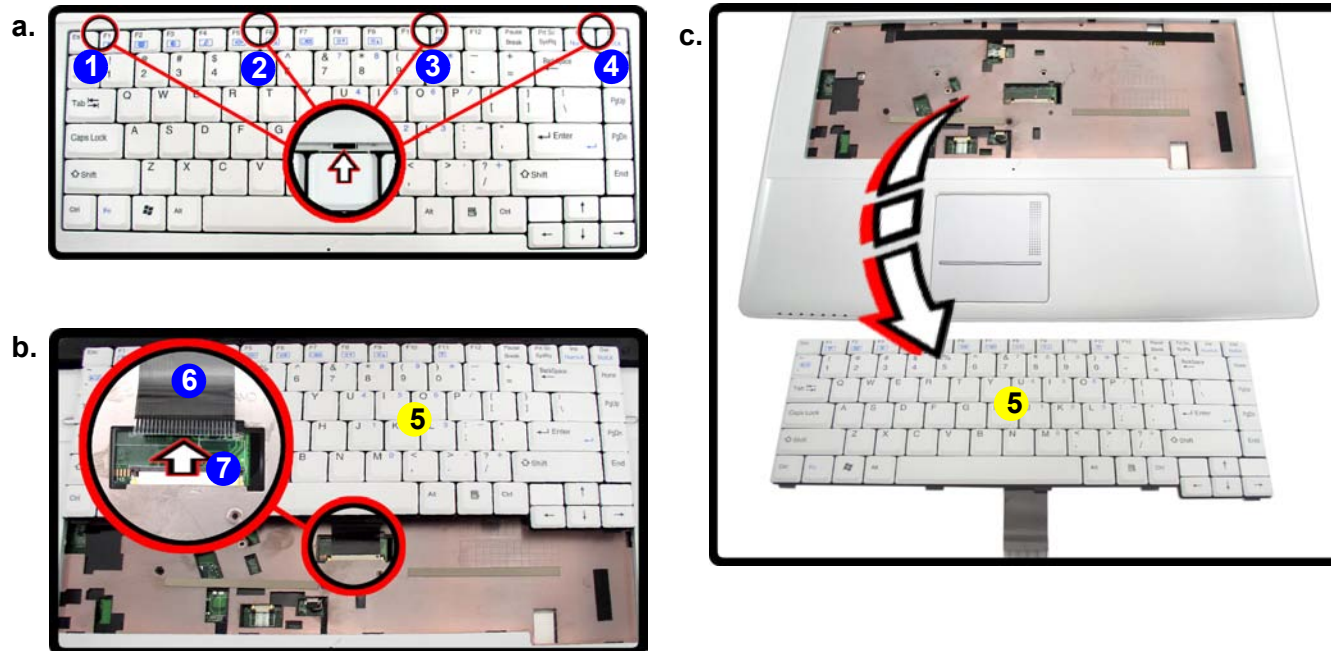


- Cover
- Bluetooth Module

- 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**.



*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

## Disassembly

Figure 16

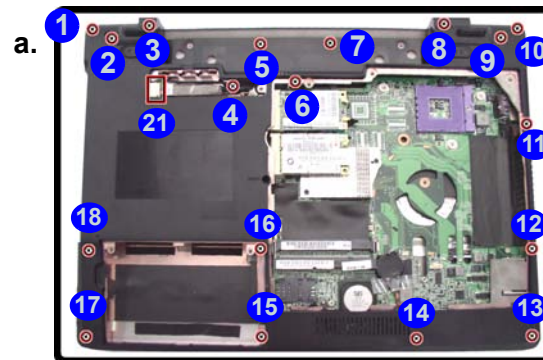
### Modem Removal

- Remove the screws and disconnect the cable.
- Turn the computer over, remove the screws and disconnect the cable.
- Remove the screws.

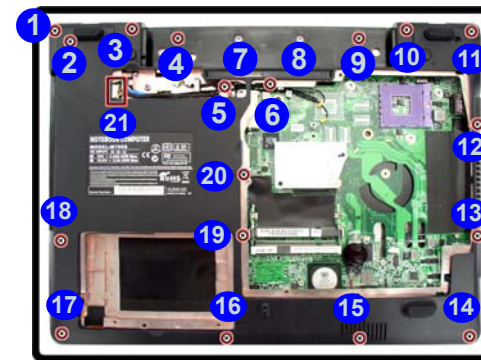
## Removing the Modem

- 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](#)).
- Remove screws **1** - **18** from the bottom case and carefully disconnect the cable **21** from the mainboard ([Figure 17a](#)).
- Turn the computer over, remove screws **22** - **23** and disconnect cables **24** - **26** ([Figure 17b](#)).
- For M760S/M765S/M766S/M767S only** - remove screws **27** - **28** ([Figure 17c](#)) from the rear of the computer.

M740S/M741S/M745S



M760S/M765S/M766S/M767S



c.



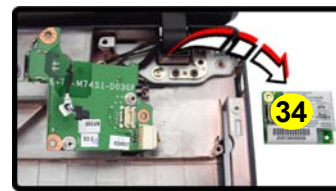
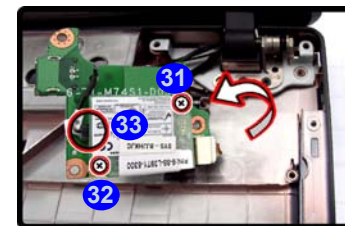
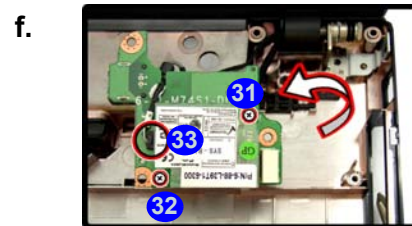
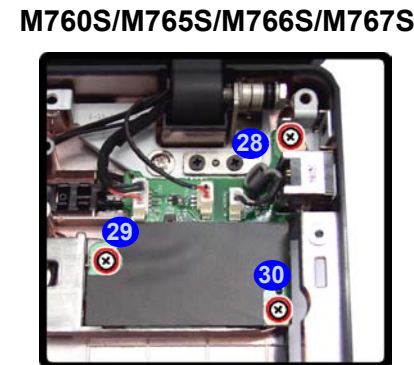
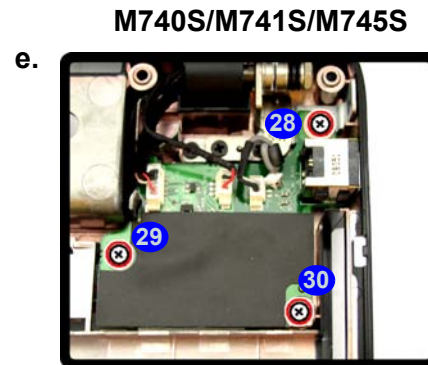
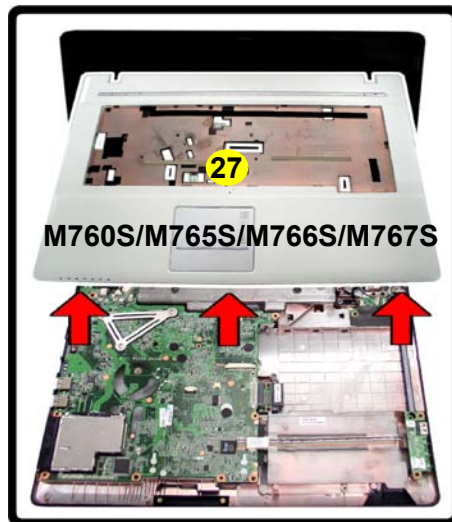
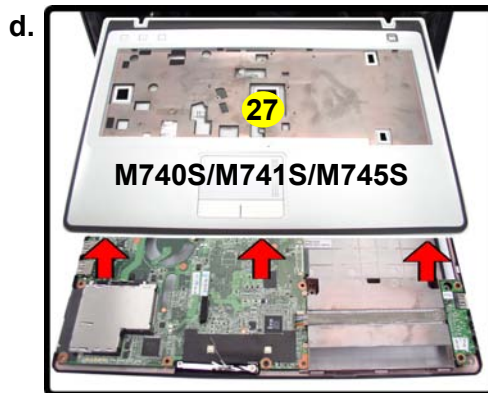
- 20 Screws (M740S/M741S/M745S)/ 24 Screws (M760S/M765S/M766S/M767S)



5. Carefully lift the top case **27** up and off the computer (*Figure 17d*).
6. Remove screws **28** - **30** (*Figure 17e*) from the computer.
7. Remove screws **31** - **32** (*Figure 17f*) from the modem module.
8. Lift the modem up and separate the modem from the connector **33**.
9. Lift the modem **34** 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.



27. Top Case  
34. Modem

- 5 Screws (M740S/  
M741S/M745S/  
M760S/M765S/  
M766S/M767S)



# Appendix A: Part Lists

This appendix breaks down the *M740S/M741S/M745S/M760S/M765S/M766S/M767S* 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.

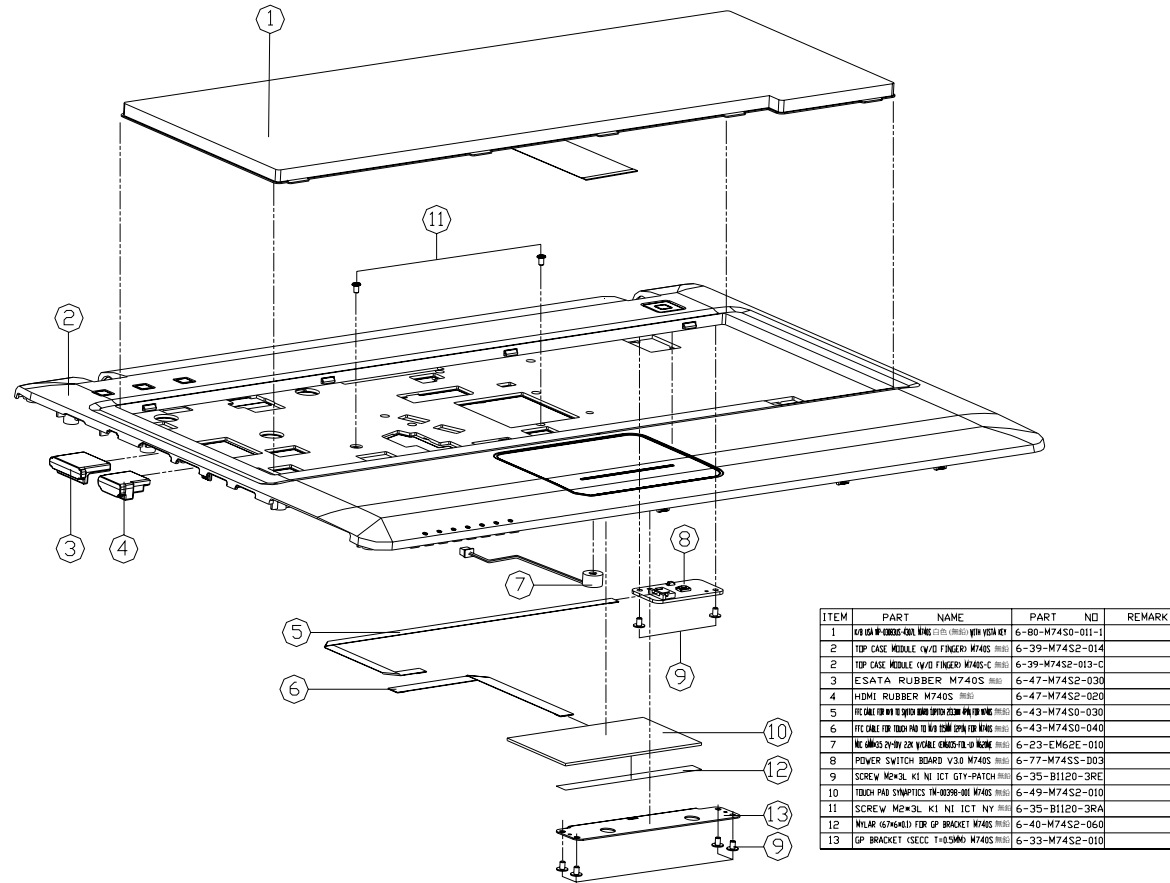
*Table A- 1*  
**Part List Illustration  
 Location**

Parts	M740S	M741S/M745S	M760S	M765S	M766S/M767S
Top without Fingerprint	<i>page A - 3</i>	<i>page A - 4</i>	<i>page A - 10</i>	<i>page A - 11</i>	<i>page A - 12</i>
Bottom	<i>page A - 5</i>		<i>page A - 13</i>		
LCD	<i>page A - 6</i>		<i>page A - 14</i>	<i>page A - 14</i>	<i>page A - 14</i>
HDD	<i>page A - 7</i>		<i>page A - 17</i>		
COMBO	<i>page A - 8</i>		<i>page A - 18</i>		
DVD-Dual Drive	<i>page A - 9</i>		<i>page A - 19</i>		



## Top without Fingerprint (M741S/M745S)

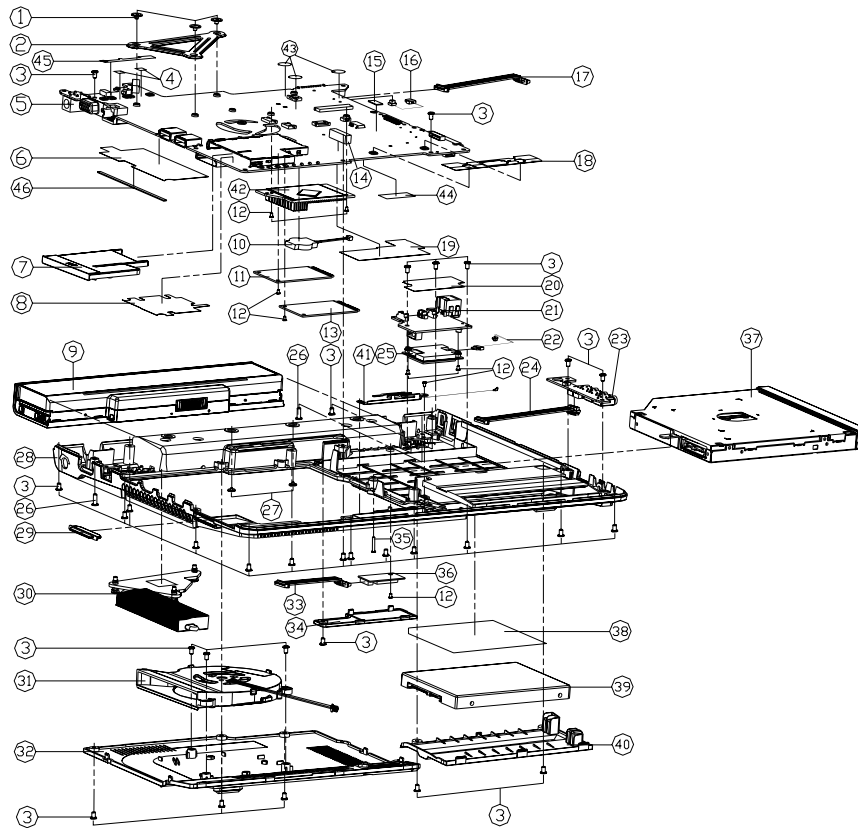
Figure A - 2  
Top without  
Fingerprint  
(M741S/M745S)



ITEM	PART NAME	PART NO	REMARK
1	TOP CASE (WITHOUT FINGERPRINT) M745S	6-80-M745S-011-1	
2	TOP CASE (WITHOUT FINGERPRINT) M741S	6-39-M745S-014	
3	ESATA RUBBER M740S	6-39-M745S-013-C	
4	HDMI RUBBER M740S	6-47-M745S-030	
5	PC CABLE FOR HD TO SPIN DOWN SPEED REDUCING FOR M745S	6-43-M745S-030	
6	PC CABLE FOR TOUCH PAD TO MAIN BOARD FOR M745S	6-43-M745S-040	
7	PC CABLE FOR TOUCH PAD TO MAIN BOARD FOR M741S	6-23-EM62E-010	
8	POWER SWITCH BOARD V3.0 M740S	6-77-M745S-D03	
9	SCREW M2x3L K1 NI ICT G1Y-PATCH	6-35-B1120-3RE	
10	TOUCH PAD SYNAPTICS TM-00388-001 M740S	6-49-M745S-010	
11	SCREW M2x3L K1 NI ICT NY	6-35-B1120-3RA	
12	NILAR (G76640) FOR GP BRACKET M740S	6-40-M745S-060	
13	GP BRACKET (SECC T=0.5MM) M740S	6-33-M745S-010	



# Bottom (M740S/M741S/M745S)



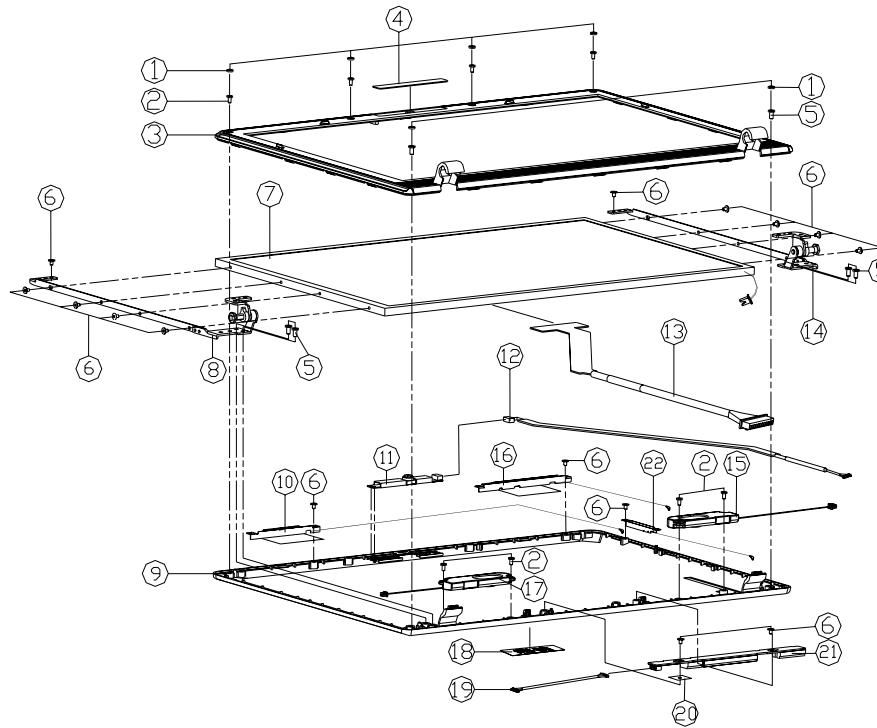
ITEM	PART NAME	PART NO	REMARK
1	CDU SUPPORTER MIDDLE AL M740S	6-35-41025-2R5	
2	CDU SUPPORTER MIDDLE AL M740S	6-35-M745S-100	
3	SCREW M2X6L KI BK/Z ICT NY	6-35-B6125-50A	
4	PROTECT NG NYLAR FR83 M740S	6-40-M745S-020	
5	MAIN BOARD V304W/D 30 M740S	6-77-M745B-003A	
5	MAIN BOARD V304W/D 30 M740S	6-77-M745B-003A-1	
5	MAIN BOARD V304W/D 30 M740S	6-77-M745S-002B	
5	MAIN BOARD V304W/D 30 M740S	6-77-M745B-003B-1	
6	HEAT SINK NYLAR FR83 M740S	6-40-M745N-011	
7	DUMMY NEW CARD PC48S TNGSR	6-42-T12R3-011	
8	NEW CARD NYLAR FR83 M740T	6-40-M74T3-010	
9	MP S LI BAY/4MM 20P S/P/PC/DC	6-87-M66NS-453 (OPTIION)	
9	MP S LI BAY/4MM 20P S/P/PC/DC	6-87-M66NS-454 (OPTIION)	
9	MP S LI BAY/4MM 20P S/P/PC/DC	6-87-M745S-4C4 (OPTIION)	
9	MP S LI BAY/4MM 20P S/P/PC/DC	6-87-M66NS-453 (OPTIION)	
9	MP S LI BAY/4MM 20P S/P/PC/DC	6-87-M66NS-4P4 (OPTIION)	
9	MP S LI BAY/4MM 20P S/P/PC/DC	6-87-M66NS-4C3 (OPTIION)	
10	MP S LI BAY/4MM 20P S/P/PC/DC	6-23-22015-P2C (OPTIION)	
11	MP S LI BAY/4MM 20P S/P/PC/DC	6-88-M5532-7000 (OPTIION)	
12	SCREW M2X6L KI BK/Z ICT NY	6-35-B1229-30A	
13	MP S LI BAY/4MM 20P S/P/PC/DC	6-88-M725W-720 (OPTIION)	
14	TOUCH PAD SPRNG CHASIS CR M740S	6-47-0019A-209	
15	NG NYLARFR83-HERO/KA70P M740S	6-40-M745S-030	
16	MP S LI BAY/4MM 20P S/P/PC/DC	6-43-M745G-010 (FOR 3G OPTIION)	
17	MP S LI BAY/4MM 20P S/P/PC/DC	6-43-M745U-010	
18	FRACER BOARD NYLAR FR83 M740S	6-40-M745S-011	
19	DDO LOCK NYLAR FR83 M740S	6-40-M745Z-010	
20	MDC NYLAR FR83 M740S	6-40-M745U-010	
21	MULTI I/O BOARD V30 M740S	6-77-M745I-003	
22	MP S LI BAY/4MM 20P S/P/PC/DC	6-43-M745U-010	
23	PHONE JACK C 100 03WV V30E M740S	6-77-M745A-003A	
24	MP S LI BAY/4MM 20P S/P/PC/DC	6-43-M745D-020 (FOR M/B 003A)	
24	MP S LI BAY/4MM 20P S/P/PC/DC	6-43-M745D-021 (FOR M/B 003A)	
25	MP S LI BAY/4MM 20P S/P/PC/DC	6-88-L39T1-5300 (OPTIION)	
26	SCREW M2X6L KI BK/Z NY ICT	6-35-B6125-50A	
27	SCREW M2X6L KI BK/Z ICT NY	6-35-B6120-2R5	
28	BOTTOM CASE MIDDLE M740S	6-39-M7453-010 (OPTIION)	
28	BOTTOM CASE MIDDLE M740S	6-39-M7453-01-C	
29	MSRGC CARD READER RUBBER	6-47-MSRGC-010	
30	HEATSINK MODULE M740S	6-31-M745N-201	
31	FAN MODULE M740S	6-31-M745S-101	
32	CDU COVER MODULE M740S	6-42-M745S-100	
32	CDU COVER MODULE M740S	6-42-M745S-100-C	
33	MP S LI BAY/4MM 20P S/P/PC/DC	6-43-M745B-010 (OPTIION)	
34	BLUE/TECH COVER PC/MSRGC/CD M740S	6-42-M745B-010	
34	BLUE/TECH COVER PC/MSRGC/CD M740S	6-42-M745B-010-C	
35	SCREW M2X6L KI BK/Z ICT NY	6-35-B6120-100	
36	BLUE/TECH VDR BRIDGE NY 02P 1 PIN	6-88-M5545-62C (OPTIION)	
36	BLUE/TECH VDR BRIDGE NY 02P 1 PIN	6-88-M5545-39C (OPTIION)	
37	DIV/DUAL NY ASSY (OPTIION) M740S	6-79-M740SS00-000 (OPTIION)	
37	CONRO 24X ASSY (OPTIION) M740S	6-79-M740SS00-000 (OPTIION)	
38	PRODUCT LABEL FOR M740S	6-45-M7453-010	
38	PRODUCT LABEL FOR M740S	6-45-M7453-01-C	
38	PRODUCT LABEL FOR M745S	6-45-M745S-010	
38	PRODUCT LABEL FOR M740S	6-45-M7453-00-C	
38	PRODUCT LABEL FOR M745S	6-45-M745S-00-C	
39	M/ZD HSD ASSY M740S	6-79-M740SS00-000	
40	HDD COVER MODULE M740S	6-42-M745J-102	
40	HDD COVER MODULE M740S	6-42-M745J-100-C	
41	MP S LI BAY/4MM 20P S/P/PC/DC	6-23-7M74T-010 (OPTIION)	
42	W/TH BRIDGE KEAT SWA W/ W/HT	6-31-M747H-010	
43	NYLAR DIO FR83 M760S	6-40-M7650-010	
44	TAPE NYLAR (A) NYLAR M550J	6-40-M55J2-010	
45	MP S LI BAY/4MM 20P S/P/PC/DC	6-40-M745S-060	
46	RUBBER FOR MP S LI BAY/4MM 20P S/P/PC/DC	6-47-M745S-020	

Figure A - 3  
Bottom  
(M740S/M741S/  
M745S)

A.Part Lists

# LCD (M740S/M741S/M745S)

Figure A - 4  
LCD  
(M740S/M741S/  
M745S)



ITEM	PART NAME	PART NO	REMARK
1	LCD FRONT COVER SIDE KYLE RUBBER M740S	6-47-M72S1-021	
2	SCREW M2.5X1.1Z1 KIT GET-PATCH (1-88 3-4)	6-35-C6120-4RB	
3	LCD FRONT COVER MODULE M740S	6-39-M74S1-012	
4	CCD LINES (PMMGA) M740S	6-42-M74S1-010	FDR CCD
4	CCD LINES (KFR700) M740S	6-42-M74S1-020	FDR W/D CCD
5	SCREW M2.5X1.1Z1 BR/ZE KIT NY	6-35-16125-SRA	
6	SCREW M2.5X1.1Z1 KIT GET-PATCH	6-35-B1120-3RE	
7	LCD HAT VISA AU MAREVA VA GLARE TPO SSM	6-50-JC255-G05	FDR M740S/M745S-C
7	LCD HAT VISA CHINEI MAREVA-LIS SSM	6-50-JC255-D07	FDR M740S/M745S-C
7	LCD HAT VISA AU MAREVALE TPO NY2 SSM	6-50-J7255-G01	FDR M740S/M745S-C
7	LCD HAT VISA CHINEI MAREVA-LIS TPO SSM	6-50-JC255-D06	(OPTION)
7	LCD HAT VISA CHINEI MAREVA-LIS SSM	6-50-J7255-D04	(OPTION)
7	LCD HAT VISA AU MAREVA VA SSM	6-50-J7255-G00	(OPTION)
7	LCD HAT VISA CHINEI MAREVA-LIS TPO SSM	6-50-J7255-D05	(OPTION)
7	LCD HAT VISA CHINEI MAREVA-LIS SSM	6-50-J7255-G01-A	(OPTION)
8	LCD HINGE L (SECC-SK7) M740S	6-33-M74S1-022	
9	LCD BACK COVER MODULE M740S	6-39-M74S1-021	FDR M740S
9	LCD BACK COVER MODULE M740S	6-39-M74S1-020-E	FDR M740S-C
9	LCD BACK COVER MODULE M745S	6-39-M74S1-021	FDR M745S
9	LCD BACK COVER MODULE M745S-C	6-39-M74S1-021-C	FDR M745S-C
9	LCD BACK COVER MODULE M740S	6-39-M74S1-020	FDR M740S
9	LCD BACK COVER MODULE MAREVA M740S	6-39-M74S1-020-1	FDR M746S
10	ANTENNA VISA ZAG/2X2/5/6 PPA VISA SSM	6-23-7M74S-020	
11	IPC CAMERA BODY (1X 1/3" CMOS) FOR LCD M740S	6-88-M740C-492B	(OPTION)
11	IPC CAMERA BODY (1X 1/3" CMOS) FOR LCD M740S	6-88-M740C-4911	(OPTION)
12	VPC CABLE SPIN WIRE TO LCD 27420MM MODULE	6-43-M74S1-011	FDR CCD
13	VPC CABLE SPIN WIRE TO LCD 27420MM FOR HINGE	6-43-M74S1-010	
14	LCD HINGE R (SECC-SK7) M740S	6-33-M74S1-012	
15	IPC CABLE WIRE TO 41-220MM P-DC M740S	6-23-5M74S-030	
16	ANTENNA VPC (1X 1/3" CMOS) FOR M740S	6-23-7M74S-010	FDR M740S/OPTION
16	ANTENNA VPC (1X 1/3" CMOS) FOR M740S	6-23-7M74J-010	FDR M740S/OPTION
17	IPC CABLE WIRE TO 41-220MM P-DC M740S	6-23-5M74S-042	
18	STRT-MIC (1X 1/2" CMOS) FOR M740S	6-45-M74S1-012	FDR M740S/M745S-C
18	FDR M540G (1X 1/2" CMOS) STYLE-NOTE	6-45-M54G1-020	FDR M740S/M745S-C
19	VPC CABLE FOR WIRE TO INVERTER BOARD & PWR HINGE	6-43-M74SR-011	
20	INVERTER W/AR OF 230V-110V, SMD M740S	6-40-M76S1-010	
21	INVERTER W/AR OF 230V-110V, SMD M740S	6-76-M66R-010	(OPTION)
21	INVERTER W/AR OF 230V-110V, SMD M740S	6-76-M66R-011	(OPTION)
22	ANTENNA BLUE TETHER ZAG PPA BY 200M	6-23-7M74S-030	(OPTION)

# HDD (M740S/M741S/M745S)

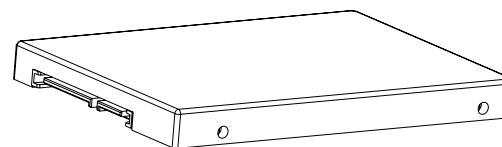
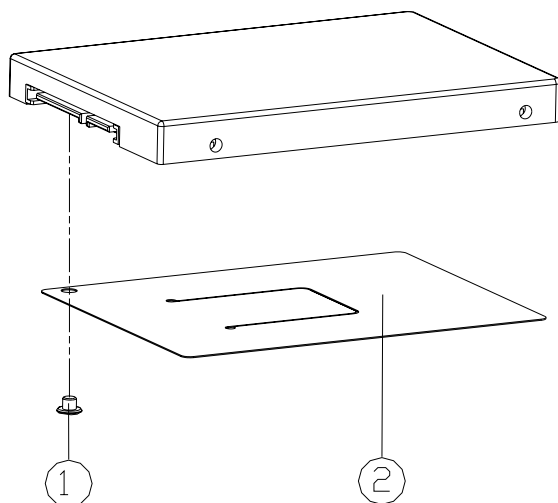


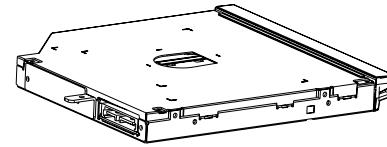
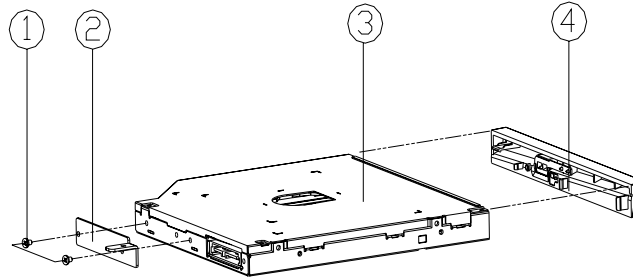
Figure A - 5  
HDD  
(M740S/M741S/  
M745S)

ITEM	PART NAME	PART NO	REMARK
1	SCREW N3*2.5L KI NI ICT NY (H8)	6-35-B1130-2R5	
2	HDD MYLAR MODULE M740S (H8)	6-40-M74SJ-100	

A.Part Lists

## COMBO (M740S/M741S/M745S)

Figure A - 6  
COMBO  
(M740S/M741S/  
M745S)

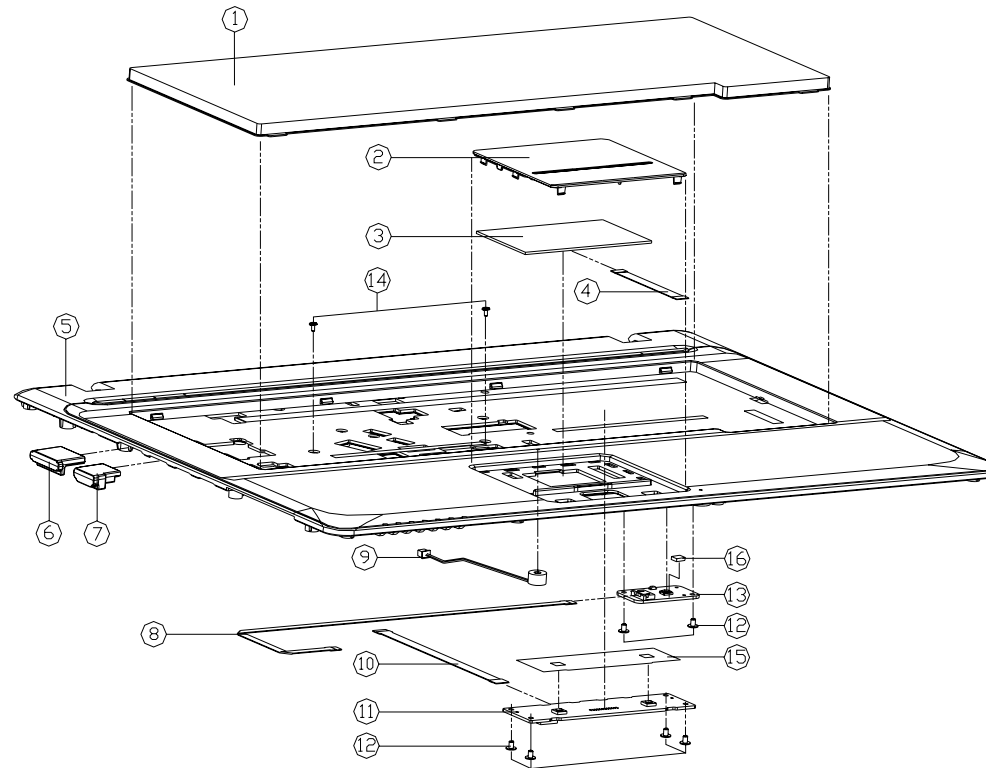


ITEM	PART NAME	PART NO	REMARK
1	SCREW M2.5X1.1 CT G11-PATCH	6-35-B1120-3RE	
2	CD ROM BRACKET SECC M740S	6-33-M74SZ-012	
3	COMBO DRIVE MODULE M740S	6-85-907PX-C03	
3	COMBO DRIVE MODULE M741S	6-85-907PX-T04	
3	COMBO DRIVE MODULE M745S	6-85-907PX-T05	
4	COMBO G-BEZEL MODULE M740S	6-42-M74SX-101	



# Top without Fingerprint (M760S)

Figure A - 8  
Top without  
Fingerprint  
(M760S)



ITEM	PART NAME	PART NO	REMARK
1	TOP CASE W/O FINGERPRINT (M760S)	6-80-M7450-011-1	FOR M760/M762S
1	TOP FRAME W/O FINGERPRINT (M760S)	6-80-M5500-152-1	FOR M761S
2	CLICK BUTTON PLATE W/O FINGERPRINT (M760S)	6-42-M7652-082	FOR M760/M762S
2	CLICK BUTTON PLATE W/O FINGERPRINT (M761S)	6-42-M7612-082	FOR M761S
3	TOUCH PAD SYNOPSIS (M760S)	6-49-M7452-010	
4	TOP CASE FOR CLICK BOARD (M760S)	6-43-M7650-041	
5	TOP CASE W/O FINGERPRINT (M760S)	6-39-M7652-011	FOR M760/M762S
5	TOP CASE W/O FINGERPRINT (M761S)	6-39-M7612-013	FOR M761S
6	E.SATA RUBBER (M740S)	6-47-M7452-030	
7	HDMI RUBBER (M740S)	6-47-M7452-020	
8	CLICK BOARD W/O FINGERPRINT (M760S)	6-43-M7650-031	
9	TOP CASE W/O FINGERPRINT (M760S)	6-23-E762E-010	
10	FFC CABLE (M760S)	6-43-M7650-011	
11	CLICK BOARD V330W/O FINGERPRINT (M760S)	6-77-M7652-003A-1	
11	CLICK BOARD V330W/O FINGERPRINT (M761S)	6-77-M7652-003B-1	
11	CLICK BOARD V330W/O FINGERPRINT (M762S)	6-77-M7652-003C-1	
12	POWER SWITCH BOARD (M760S)	6-35-B1120-3RE	
13	POWER SWITCH BOARD (M761S)	6-77-M7652-002	
14	POWER SWITCH BOARD (M762S)	6-35-B6120-3RD	
15	WHLR FOR CLICK BOARD (M760S)	6-40-M7652-040	
16	WHLR (M740S) FOR POWER BOARD (M760S)	6-47-M7652-010	



# Top without Fingerprint (M765S)

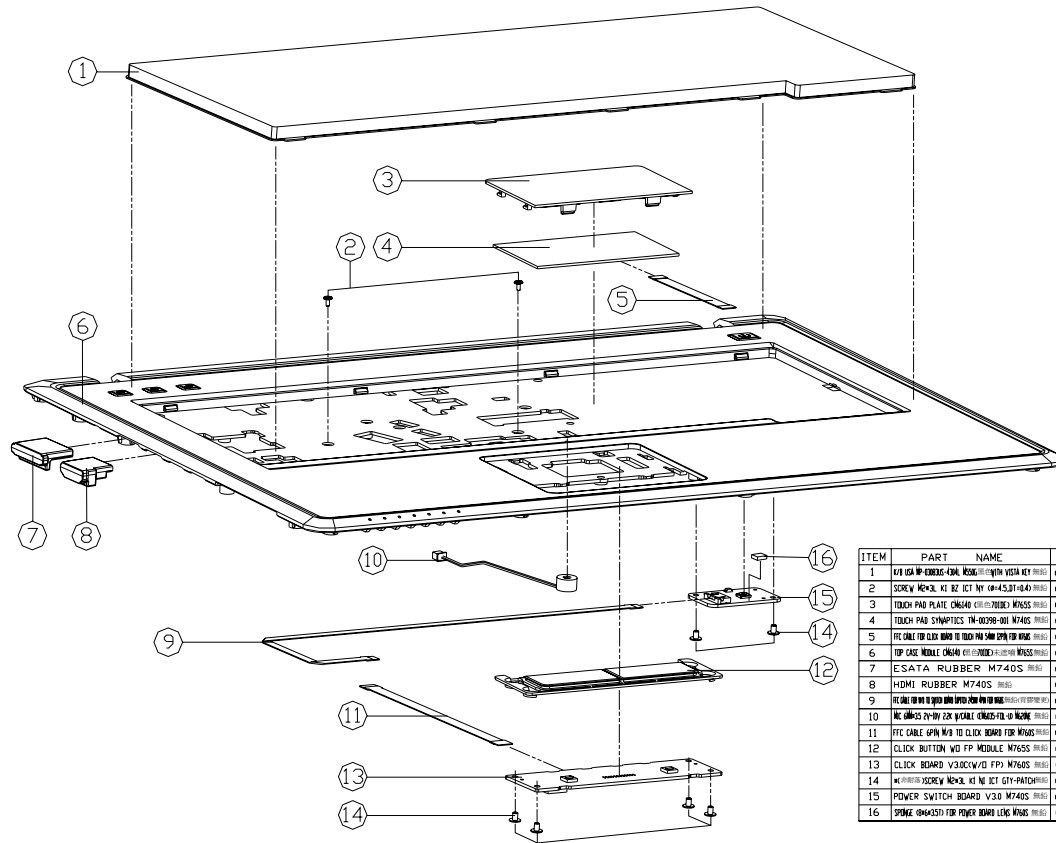


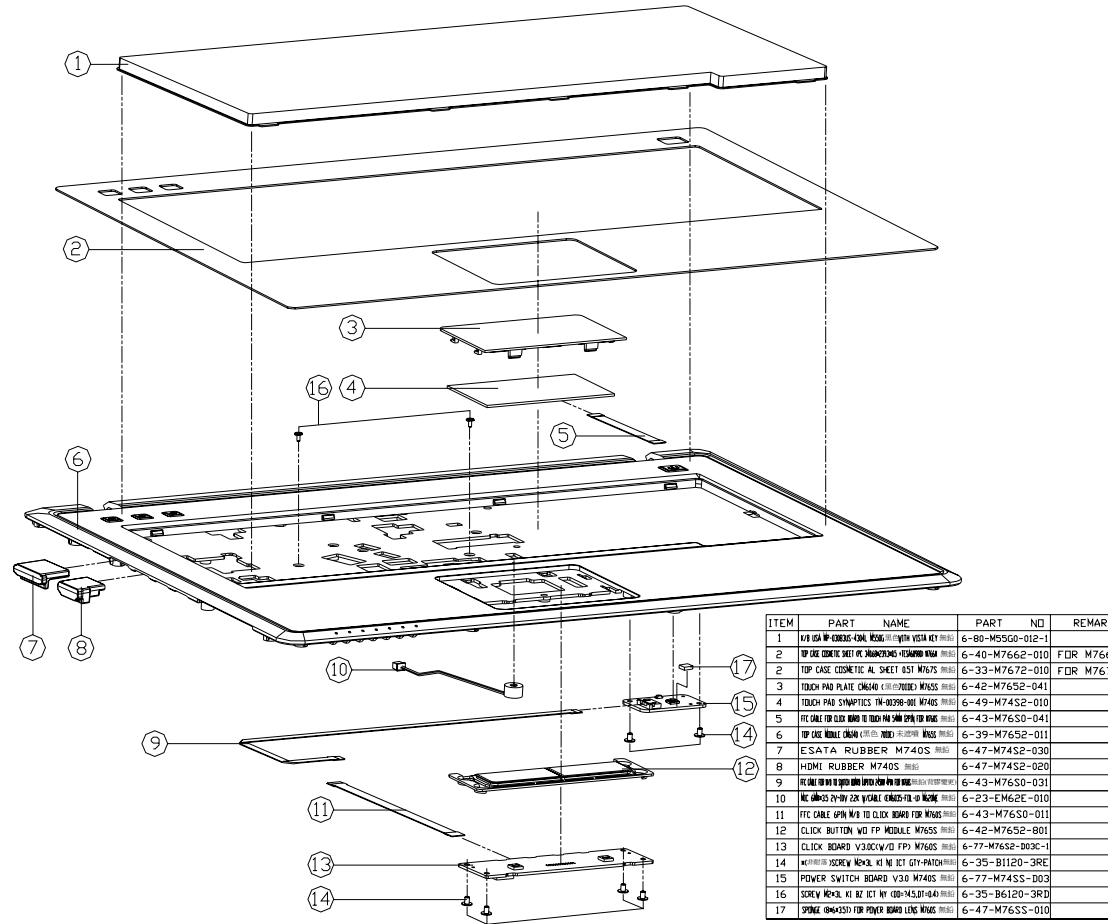
Figure A - 9  
Top without  
Fingerprint  
(M765S)

ITEM	PART NAME	PART NO	REMARK
1	TOP CASE W/O FINGERPRINT M765S	6-80-M5560-012-1	
2	SCREW HEX3.0 X 1.2 ICT NY 04-45311-04-0	6-35-B6120-3RD	
3	TOUCH PAD PLATE CM340	6-42-M7652-041	
4	TOUCH PAD SYMPLECTICS TM-0038-001 M740S	6-49-M7452-010	
5	FTC CABLE FOR CLICK BOARD TO TOUCH PAD W/O FINGERPRINT	6-43-M7652-041	
6	TOP CASE MIDDLE CHASSIS W/O FINGERPRINT M765S	6-39-M7652-011	
7	ESATA RUBBER M740S	6-47-M7452-030	
8	HDMI RUBBER M740S	6-47-M7452-020	
9	FTC CABLE FOR TOUCH PAD W/O FINGERPRINT	6-43-M7652-031	
10	FTC CABLE FOR TOUCH PAD W/O FINGERPRINT	6-23-EM62E-010	
11	FTC CABLE FROM W/O CLICK BOARD FOR M765S	6-43-M7652-011	
12	CLICK BUTTON W/O FP MIDDLE M765S	6-42-M7652-001	
13	CLICK BOARD V30C/W/O FP M765S	6-77-M7652-003-1	
14	SCREW HEX3.0 X 1.2 ICT G11-PAT000	6-35-B1120-3RE	
15	POWER SWITCH BOARD V30 M740S	6-77-M745S-003	
16	SPRING 0400371 FOR POWER BOARD LENS M740S	6-47-M765S-010	

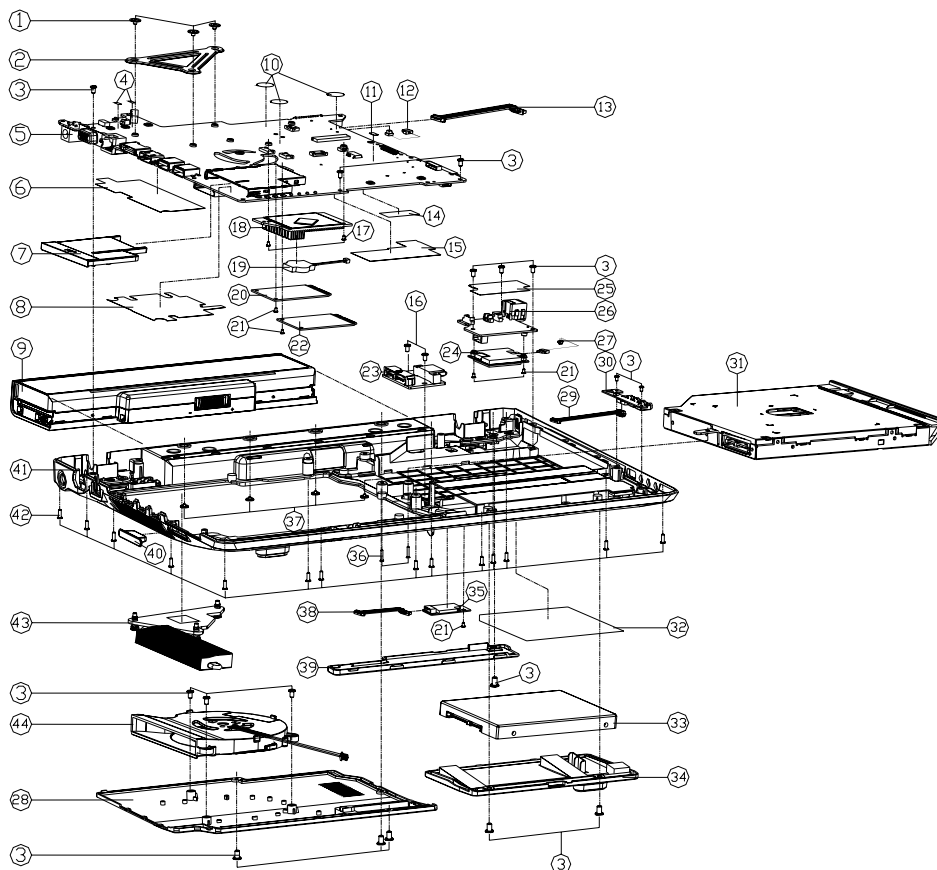
A.Part Lists

## Top without Fingerprint (M766S/M767S)

Figure A - 10  
Top without  
Fingerprint  
(M766S/M767S)



# Bottom (M760S/M765S/M766S/M767S)



ITEM	PART NAME	PART NO	REMARK
1	CPU SUPPORTER MODULE AL M740S	6-35-41025-2R5	
2	CPU SUPPORTER MODULE AL M740S	6-33-M74SS-100	
3	SCREW M2.5xL K1 BK/Z ICT NY	6-35-B6125-SRA	
4	MYLAR S45x51.5T GR83-M6G7 M760S	6-40-M76SS-030	
5	MAIN BOARD V30xW/30 M760S	6-77-M76S0-D03A	
5	MAIN BOARD V30xW/D 30 M760S	6-77-M76S0-D03A-1	
5	MAIN BOARD V30xW/30 M765S	6-77-M76S0-D03B	
5	MAIN BOARD V30xW/D 30 M765S	6-77-M76S0-D03B-1	
6	HEAT SINK MYLAR FR83 M740S	6-40-M74SN-011	
7	EMPTY NEW CARD PC-BASS INSOR	6-42-T12R3-011	
8	NEW CARD MYLAR FR83 M740T	6-40-M74T3-010	
9	IMP S LI BIV/AM ZCP GLYP/AM/DC 10	6-87-M66NS-453 (OPTION)	
9	IMP S LI BIV/AM ZCP GLYP/AM/DC 12	6-87-M66NS-453 (OPTION)	
9	IMP S LI BIV/AM ZCP GLYP/AM/DC 9	6-87-M66NS-4P4 (OPTION)	
9	IMP S LI GML/SCP7 FOR M66NS/PPM	6-87-M66NS-4C3	
10	MYLAR D10 FR83 M760S	6-40-M76S0-010	
11	MYLAR FR83-T040A/7507 M740S	6-40-M74SS-030	
12	MYLAR FR83-T040A/7507 M740S	6-43-M74SS-010 FOR 3G (OPTION)	
13	MYLAR FR83-T040A/7507 M740S	6-43-M76SS-022	
14	TAPE MYLAR GA/AMYLAR M55J	6-40-M55J2-010	
15	ODD LOCK MYLAR FR83 M740S	6-40-M74S2-010	
16	SCREW M2xL K1 BZ ICT NY	6-35-B6120-4RA	
17	SCREW M2xL K1 NI ICT NY	6-35-B1120-SR0	
18	NORTH BRIDGE HEAT SINK AL M740T	6-31-M74TN-012	
19	HEAT SINK BRIDGE HEAT SINK AL M740T	6-23-22015-P2C	
20	HEAT SINK BRIDGE HEAT SINK AL M740T	6-88-M55S2-7000 (OPTION)	
21	SCREW M2xL K1 NI ICT NY	6-35-B1120-3R0	
22	HEAT SINK BRIDGE HEAT SINK AL M740T	6-88-M72SW-720 (OPTION)	
23	ODD BRIDGE BOARD V30 M760S	6-77-M76SS-D03	
24	ODD BRIDGE BOARD V30 M765S	6-88-L39T1-S300 (OPTION)	
25	MDC MYLAR FR83 M740S	6-40-M74SU-010	
26	MULTI I/O BOARD V30 M740S	6-77-M74SI-D03	
27	MYLAR FR83-T040A/7507 M740S	6-43-M74SU-010	
28	CPU COVER MODULE M760S	6-42-M76SS-102	
29	MYLAR FR83-T040A/7507 M740S	6-43-M76SS-051 FOR MB D03A	
29	MYLAR FR83-T040A/7507 M740S	6-43-M76SS-052 FOR MB D03B	
30	PHONE JACK I/O BOARD V30 M740S	6-77-M74SA-D03A	
31	INTERNAL POWER M2.5xY OPTION M760S	6-79-M76SS000-000 (OPTION)	
31	INTERNAL POWER M2.5xY OPTION M765S	6-79-M76SS000-010 (OPTION)	
31	COMBO 24X ASSY(OPTION) M760S	6-79-M76SS000-000 (OPTION)	
32	PRODUCT LABEL FOR M760S	6-45-M76S3-010	
32	PRODUCT LABEL FOR M762S	6-45-M76S2-010	
32	PRODUCT LABEL FOR M765S	6-45-M76S5-010	
32	PRODUCT LABEL M761S	6-45-M761S-010	
33	W/O MOD ASS'Y M760S	6-79-M76SS000-000	
34	HDD COVER MODULE M760S	6-42-M76SJ-102	
34	HDD COVER MODULE M760S-COMBO	6-42-M76SJ-101-C	
35	BLUE TOOTH V20 OPTION M2.5xY FOR USB	6-88-M5545-620 (OPTION)	
35	BLUE TOOTH V20 OPTION M2.5xY FOR USB	6-88-M5545-390 (OPTION)	
36	SCREW M2xL K1 BK/Z ICT NY	6-35-B6120-BR0	
37	SCREW M2xL K1 BK/Z ICT NY	6-35-B6120-2R2	
38	MYLAR FR83-T040A/7507 M740S	6-43-M76SB-011 (OPTION)	
39	BT COVER MODULE M760S	6-42-M76SB-101 FOR M760S-M765S	
39	BT COVER MODULE M760S	6-42-M76SB-011 FOR M760S-M765S-C	
40	INTERNAL POWER M2.5xY OPTION M760S	6-79-M76SS000-000	
41	BOTTOM CASE M2.5xY OPTION M760S	6-39-M76S3-012 FOR M760S-M765S	
41	BOTTOM CASE M2.5xY OPTION M760S	6-39-M76S3-012-C FOR M760S-M765S-C	
42	SCREW M2.5xL K1 BK/Z NY ICT	6-35-B6125-BR0	
43	HEAT SINK MODULE M740S	6-31-M74SN-201	
44	FAN MODULE M740S	6-31-M74SS-101	

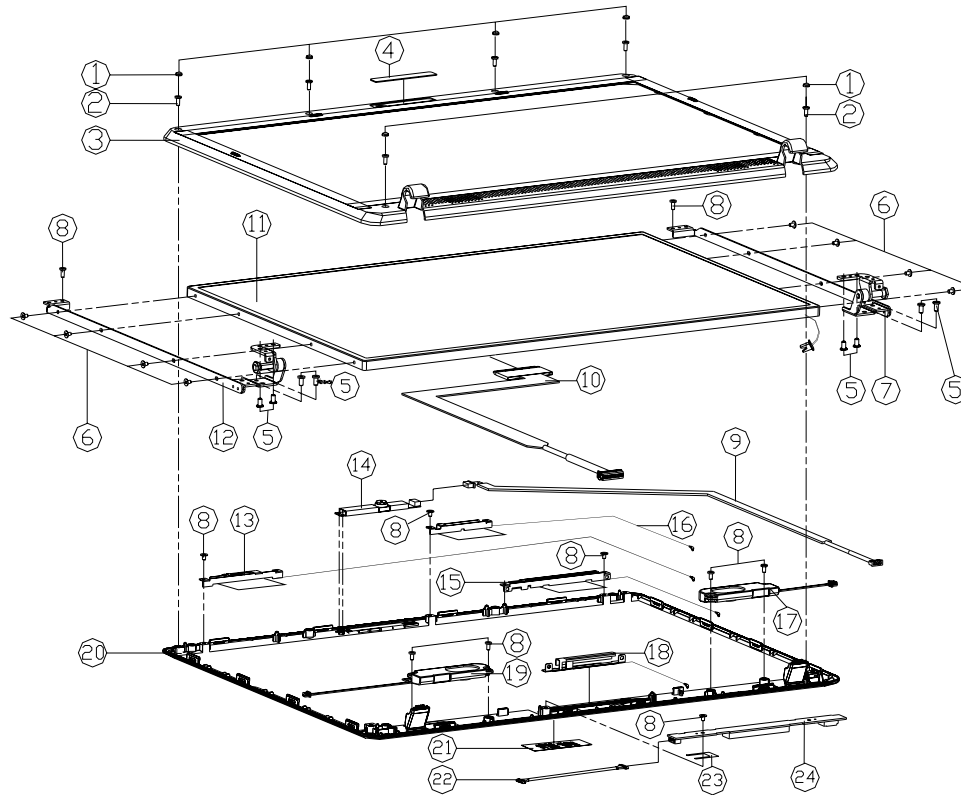
Figure A - 11  
Bottom  
(M760S/M765S/  
M766S/M767S)

A.Part Lists

Part Lists

LCD (M760S)

Figure A - 12  
LCD  
(M760S)



ITEM	PART NAME	PART NO	REMARK
1	LED FRONT COVER HUBBY CLAMP 8-140 1/2 IN NY	6-47-M76S1-010	
2	SCREW M2XSL K1148 8-140 BK/Z ICT NY	6-35-B6120-SR0	
3	LCD FRONT COVER MODULE M760S	6-39-M76S1-011	
4	CCD COSMETIC FRAMA T-RESIN M760S	6-42-M76S1-031	W/ CCD
4	W/D CCD COSMETIC RST FRAMA M760S	6-42-M76S1-040	W/D CCD
5	SCREW M2XSL K1 BK/Z ICT NY	6-35-B6125-SRA	
6	SCREW M2XSL K1 BK/Z ICT NY	6-35-B1120-SRE	
7	LCD HINGE-R SECC M760S	6-33-M76S1-011	
8	SCREW M2XSL K1 BK/Z ICT NY	6-35-C1120-4R8	
9	WIRE CABLE 3PIN W/D TO CCD SIGNAL MODULE FOR M760S	6-43-M76S1-021	FDR CCD
10	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-43-M76S1-010	
11	LCD AU RESERVE V1 15.6" VESA-016000	6-50-L7261-G01	CDP(T)ION
11	LCD 15.6" VESA COMET VESA-L60 GLARE T	6-50-L7265-D00	CDP(T)ION
11	LCD 15.6" VESA COMET VESA-L60 GLARE	6-50-LA265-D00	CDP(T)ION
11	LCD 15.6" VESA AU RESERVE V1 GLARE TYPE	6-50-LC264-G00	CDP(T)ION
11	LCD 15.6" VESA AU RESERVE V1 GLARE TYPE	6-50-LC261-G00	CDP(T)ION
11	LCD 15.6" VESA AU RESERVE V1 GLARE TYPE	6-50-LC263-G00	CDP(T)ION
11	LCD 15.6" VESA COMET VESA-L60 GLARE TYPE	6-50-LC265-D00	CDP(T)ION
12	LCD HINGE-L SECC M760S	6-33-M76S1-021	
13	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-23-7M76S-010	
14	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-00-M740C-4922	FOR M760S/CDP(T)ION
14	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-00-M740C-4911	FOR M760S/CDP(T)ION
15	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-23-7M76S-040	CDP(T)ION
16	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-23-7M76S-051	CDP(T)ION
17	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-23-5M74S-030	
18	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-23-7M76S-021	CDP(T)ION
19	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-23-5M74S-042	
20	LCD BACK COVER MODULE M760S	6-39-M76S1-021	FDR M760S/T
20	BACK COVER MODULE V/D FOIL M760S-C	6-39-M76S1-020-C	FDR M760S-C
20	LCD BACK COVER MODULE M760S	6-39-M761E-021	FDR M761S
20	LCD BACK COVER MODULE M760S	6-39-M7621-021	FDR M762S
21	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-45-M74S1-012-1	
22	WIRE CABLE 3PIN W/D TO LCD SIGNAL FOR M760S	6-43-M74SR-011	
23	INVERTER WITH OVERHEAT PROTECTION SHD M760S	6-40-M76S1-010	
24	INVERTER MODULE W/ W/D TO LCD SIGNAL FOR M760S	6-76-M6R6R-010	CDP(T)ION
24	INVERTER MODULE W/ W/D TO LCD SIGNAL FOR M760S	6-76-M660R-011	CDP(T)ION

# LCD (M765S)

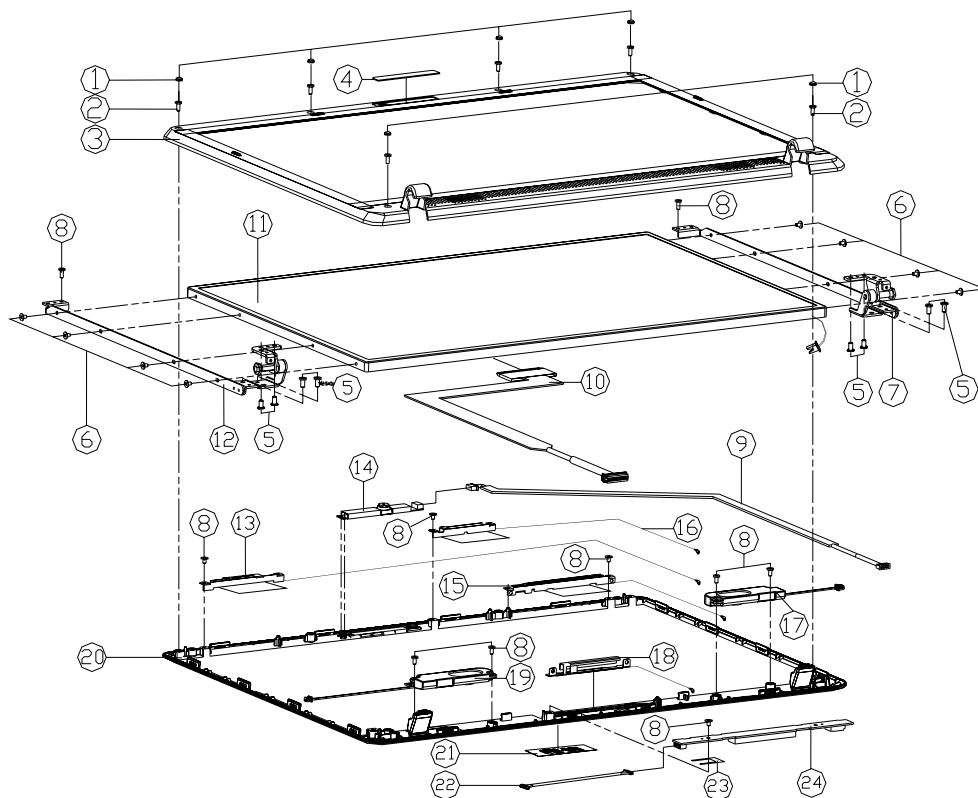


Figure A - 13  
LCD  
(M765S)

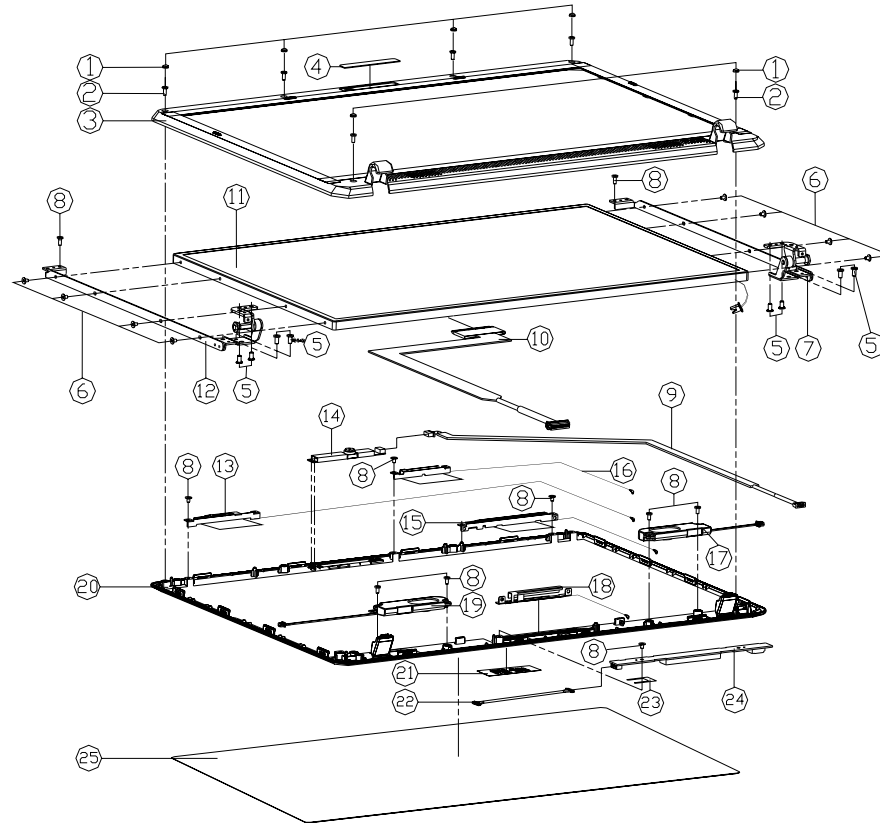
ITEM	PART NAME	PART NO	REMARK
1	LCD FRONT COVER MODULE WITH FRONT COVER	6-47-M765S-010	
2	SCREW NICKL KST-108 D-4.00 BKZ ICT NY	6-35-B6120-5R0	
3	LCD FRONT COVER MODULE M765S	6-39-M765S-011	
4	LCD COGNITIVE PANEL T-35MM W765S	6-42-M765S-031	W/ CCD
4	W/O CCD COGNITIVE RST PANEL W765S	6-42-M765S-040	W/O CCD
5	SCREW M2.5X5L KI BKZ ICT NY	6-35-B6125-SR4	
6	SCREW NICKL M NI ICT GR-PANCL	6-35-B1120-3RE	
7	LCD HINGE-R SECC M765S	6-33-M765S-011	
8	SCREW NICKL M NI ICT GR-PANCL	6-35-C1120-4R8	
9	WIRE CABLE SPIR W/O TO CCD 3MM HOLE FOR W765S	6-43-M765T-021	FDR CCD
10	WIRE CABLE SPIR W/O TO LCD 2MM HOLE FOR W765S	6-43-M765S-010	
11	LCD W/ VISION V2 15" VISION GLASS	6-50-L7261-G01	COPTION
11	LCD 15" VISION COREL MESH-1.6E GLASS T	6-50-L7265-D00	COPTION
11	LCD 15" VISION COREL MESH-1.6E GLASS	6-50-LA265-D00	COPTION
11	LCD 15" VISION MESH-1.6E V5 GLASS TYPE	6-50-LC264-G00	COPTION
11	LCD 15" VISION MESH-1.6E V5 GLASS TYPE	6-50-LC261-G00	COPTION
12	LCD HINGE-L SECC M765S	6-33-M765S-021	
13	ANTENNA W/AN 245/125/25 PPA W/ OJACK	6-23-7M76S-010	
14	WVC CAMERA BODY FOR MESH-1.6E 2M W/ANT	6-88-M740C-4928	COPTION
14	WVC CAMERA BODY FOR MESH-1.6E 2M W/ANT	6-88-M740C-4911	COPTION
15	ANTENNA W/AN 30 PPA 45MM	6-23-7M76S-040	COPTION
16	ANTENNA W/AN 245/125/25 PPA W/ OJACK	6-23-7M76S-051	COPTION
17	SPR CABLE NICKL ICR BY 40-200MM L-50K W765S	6-23-SM74S-030	
18	ANTENNA W/AN 245/125/25 PPA W/ OJACK	6-23-7M76S-021	COPTION
19	SPR CABLE NICKL ICR BY 40-200MM L-50K W765S	6-23-SM74S-042	
20	LCD BACK COVER MODULE M765S	6-39-M765S-021	
21	SPR NICKL ICR BY 40-200MM L-50K W765S	6-45-M74S1-012-1	
22	WIRE CABLE FOR W/O BACK COVER L PR W765S	6-43-M74S3R-011	
23	INVERTER MODULE FOR M765S	6-40-M765S-010	
24	INVERTER MODULE FOR M765S	6-76-M666R-010	COPTION
24	INVERTER MODULE FOR M765S	6-76-M666R-011	COPTION

A.Part Lists

Part Lists

LCD (M766S/M767S)

Figure A - 14  
LCD  
(M766S/M767S)



ITEM	PART NAME	PART NO	REMARK
1	LCD FRONT COVER RUBBER GASKET PLAIN TUBING	6-47-M76S1-010	
2	SCREW NICH-KH-18 D-48 BUZZ ICT NY	6-35-B6120-5R0	
3	LCD FRONT COVER MODULE M766S	6-39-M76S1-011	
4	CCD COSMETIC PAMA T-05MM M766S	6-42-M76S1-031	W/ CCD
4	W/O CCD COSMETIC TST PAMA M766S	6-42-M76S1-040	W/O CCD
5	SCREW NICH-KH-18 D-48 BUZZ ICT NY	6-35-B6120-5R0	
6	FRONT COVER BRACKET NY ICT 61-M766S	6-35-B1120-3RE	
7	LCD HINGE-R SECC M766S	6-33-M76S1-011	
8	BRACKET NY ICT 61-M766S	6-35-B1120-4RB	
9	WIRE CABLE SWP NY TO LCD 24MM FOR W66S	6-43-M76S1-021	FOR CCD
10	WIRE CABLE SWP NY TO LCD 24MM FOR W66S	6-43-M76S1-010	
11	LCD ISF VEGA AU BKVSR V5 GLARE TYPE	6-50-L7265-G01	OPTION
11	LCD ISF VEGA CHINE M543-L6 GLARE 1	6-50-L7265-D00	OPTION
11	LCD ISF VEGA CHINE M543-L6 GLARE	6-50-LA265-D00	OPTION
11	LCD ISF VEGA AU BKVSR V5 GLARE TYPE	6-50-LC264-G00	OPTION
11	LCD ISF VEGA AU BKVSR V5 GLARE TYPE	6-50-LC261-G00	OPTION
12	LCD HINGE-L SECC M766S	6-33-M76S1-021	
13	ANTENNA W/IN PARALLEL PIFA W/ 45MM	6-23-M76S1-010	
14	THE CAMERA BODY FOR M766S	6-88-M740C-492B	OPTION
14	THE CAMERA BODY FOR M766S	6-88-M740C-491B	OPTION
15	ANTENNA VEGMA 3L PIFA 45MM	6-23-M766S-040	OPTION
16	ANTENNA ALUMINUM 24X24 PIFA	6-23-M766S-051	OPTION
17	SWP CABLE NY NY 61-250MM X 2.0MM W66S	6-23-SM74S-030	OPTION
18	ANTENNA PARALLEL PIFA W/ 45MM	6-23-M76S1-021	OPTION
19	SWP CABLE NY NY 61-250MM X 2.0MM W66S	6-23-SM74S-042	
20	LCD BACK COVER MODULE M766S	6-39-M76S1-021	
21	SPR-NICH-KH-18 D-48 BUZZ ICT NY	6-45-M74S1-012-1	
22	WIRE CABLE NY NY TO INVERTER TRANS 6 PIN W66S	6-43-M74SR-011	
23	INVERTER W/FLAT 400X400MM 300W W66S	6-40-M76S1-010	
24	INVERTER W/FLAT 400X400MM 300W W66S	6-76-M66SR-010	OPTION
24	INVERTER W/FLAT 400X400MM 300W W66S	6-76-M66SR-011	OPTION
25	LCD COSMETIC PLATE PC M766S	6-40-M7661-020	FOR M766S
25	LCD COSMETIC PLATE AL M767S	6-33-M7671-010	FOR M767S



# HDD (M760S/M765S/M766S/M767S)

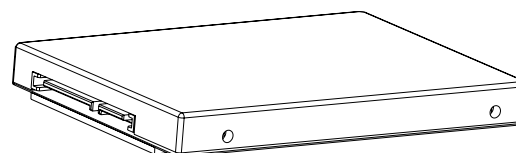
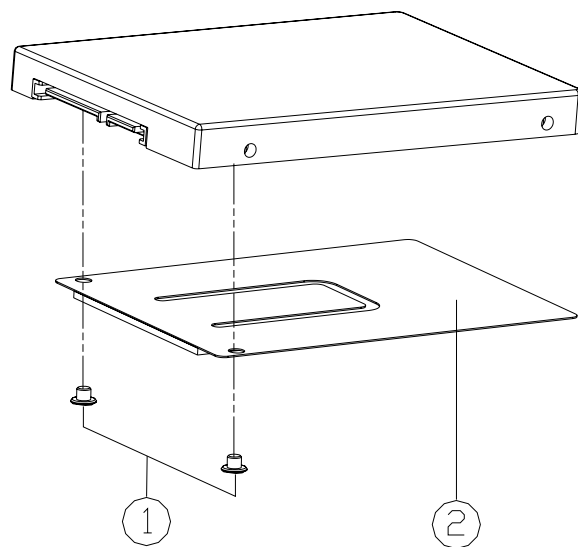


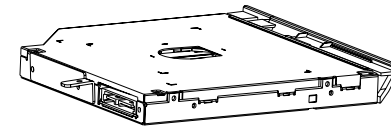
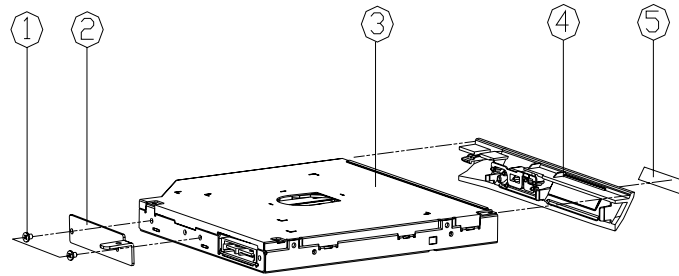
Figure A - 15  
HDD  
(M760S/M765S/  
M766S/M767S)

ITEM	PART NAME	PART NO	REMARK
1	SCREW M3*2.5L KI NI ICT NY (H6)	6-35-B1130-2R5	
2	HDD MYLAR MODULE M760S (H6)	6-40-M76SJ-100	

A.Part Lists

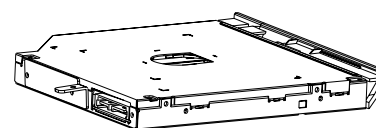
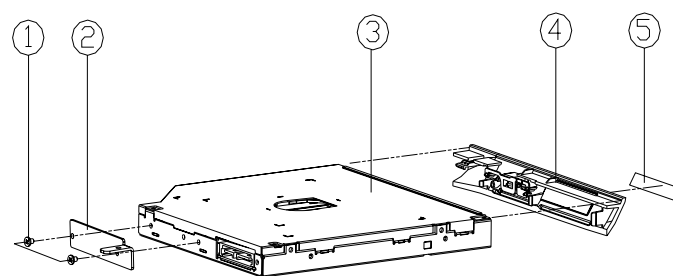
## COMBO (M760S/M765S/M766S/M767S)

Figure A - 16  
COMBO  
(M760S/M765S/  
M766S/M767S)



ITEM	PART NAME	PART NO	REMARK
1	ODD BEZEL LABEL (COMBO) FOR M760S	6-35-B1120-3RD	
2	CD ROM BRACKET SECC M740S	6-33-M74SZ-012	
3	COMBO 5 1/4" 24X 12.7MM TS-L4620	6-85-907PX-105	
4	ODD BEZEL MODULE (COMBO) M760S	6-42-M76SZ-102	
5	ODD BEZEL LABEL (COMBO) FOR M760S	6-45-M76SX-011	

# DVD-Dual Drive (M760S/M765S/M766S/M767S)



ITEM	PART NAME	PART NO	REMARK
1	DDD BEZEL LABEL(SUPER MULTI) M760S	6-35-B1120-3RD	
2	CD RDM BRACKET SECC M740S	6-33-M74SZ-012	
3	DDD BEZEL MODULE (MULTI) M760S	6-85-A078X-C0A	FDR OSI
3	DDD BEZEL MODULE (MULTI) M760S	6-85-A078X-T04	FDR TSST
4	DDD BEZEL MODULE (MULTI) M760S	6-42-M76SZ-102	
5	DDD BEZEL LABEL(SUPER MULTI) M760S	6-45-M76SZ-011	

Figure A - 17  
DVD-Dual Drive  
(M760S/M765S/  
M766S/M767S)

A.Part Lists



# Appendix B: Schematic Diagrams

This appendix has circuit diagrams of the *M740S/M741S/M745S/M760S/M765S/M766S/M767S* notebook's PCB's. The following table indicates where to find the appropriate schematic diagram.

Diagram - Page	Diagram - Page	Diagram - Page
<i>System Block Diagram - Page B - 2</i>	<i>968 PCIE, LAN, GPIO 2/4 - Page B - 16</i>	<i>AC-IN, Charger - Page B - 30</i>
<i>Penryn (Socket-P) 1/2 - Page B - 3</i>	<i>968 USB SATA 3/4 - Page B - 17</i>	<i>VCORE - Page B - 31</i>
<i>Penryn (Socket-P) 2/2 - Page B - 4</i>	<i>968 PWR, GND 4/4 - Page B - 18</i>	<i>VDD3, VDD5) - Page B - 32</i>
<i>SiSM672 Host, PCIE 1/5 - Page B - 5</i>	<i>Clock Generator &amp; Clock Buffer - Page B - 19</i>	<i>1.05VS, 1.2V, 1.5V - Page B - 33</i>
<i>SiSM672 DRAM 2/5 - Page B - 6</i>	<i>PHY Realtek 8201CL - Page B - 20</i>	<i>1.8V, 0.9VS - Page B - 34</i>
<i>SiSM672 MuTIOL VGA 3/5 - Page B - 7</i>	<i>KBC ITE8512E - Page B - 21</i>	<i>Click BD, Finger BD for M76 - Page B - 35</i>
<i>SiSM672 PWR 4/5 - Page B - 8</i>	<i>ENE MR510, Card Reader - Page B - 22</i>	<i>Multi Function Board - Page B - 36</i>
<i>SiSM672 GND 5/5 - Page B - 9</i>	<i>Audio Codec ALC662 - Page B - 23</i>	<i>Audio Board - Page B - 37</i>
<i>DDRII SO-DIMM - 1 - Page B - 10</i>	<i>Audio AMP - Page B - 24</i>	<i>Power Switch Board for M74 - Page B - 38</i>
<i>DDRII SO-DIMM - 2 - Page B - 11</i>	<i>SATA HDD, PWR, LID - Page B - 25</i>	<i>External ODD Board for M76 - Page B - 39</i>
<i>SiS307ELV - Page B - 12</i>	<i>Multi I/O, ODD, 3G, Click BD for M74 - Page B - 26</i>	<i>Power Switch Board for M76 - Page B - 40</i>
<i>Panel, CRT - Page B - 13</i>	<i>New Card, Mini PCIE, USB - Page B - 27</i>	
<i>Inverter, Bluetooth, Fan - Page B - 14</i>	<i>LED, PC Beep, TP, FP - Page B - 28</i>	
<i>968 PCI, IDE, MuTIOL, SPI 1/4 - Page B - 15</i>	<i>System/Ext-VGA Power - Page B - 29</i>	

*Table B - 1*  
**Schematic Diagrams**



### Version Note

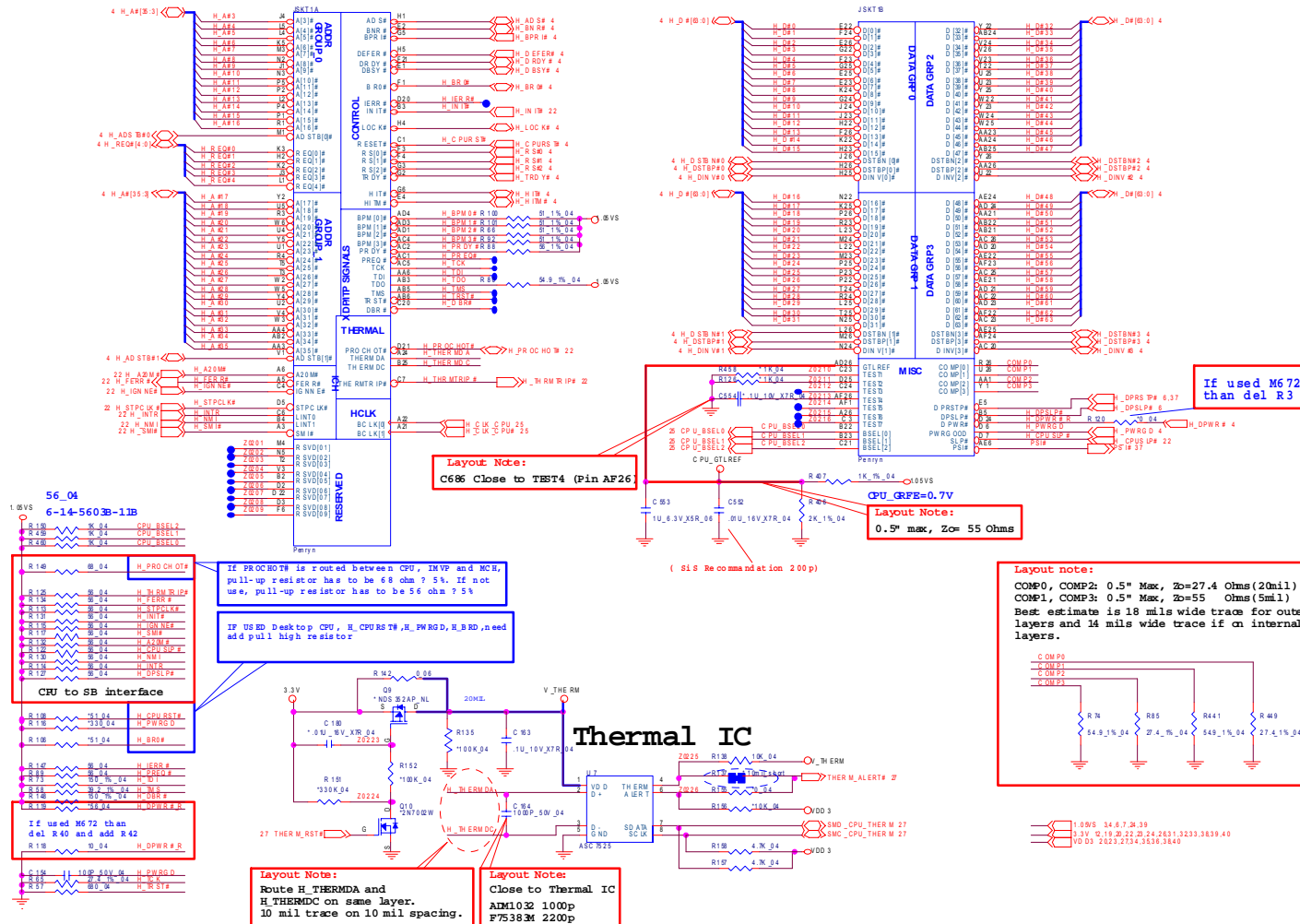
The schematic diagrams in this chapter are based upon version 6-7P-M74S9-003A. If your main-board (or other boards) are a later version, please check with the Service Center for updated diagrams (if required).



# Penryn (Socket-P) 1/2

Sheet 2 of 48  
Penryn (Socket-P)  
1/2

B.Schematic Diagrams







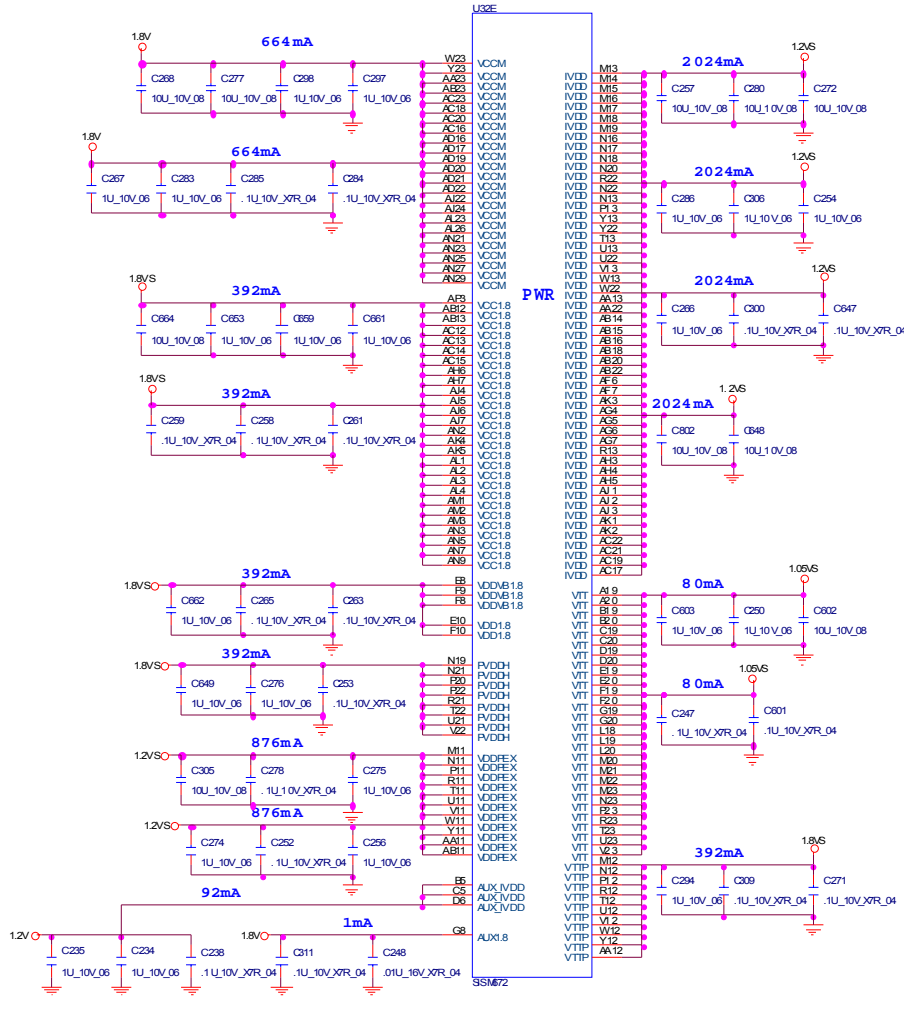






# SiSM672 PWR 4/5

Sheet 7 of 48  
SiSM672 PWR 4/5







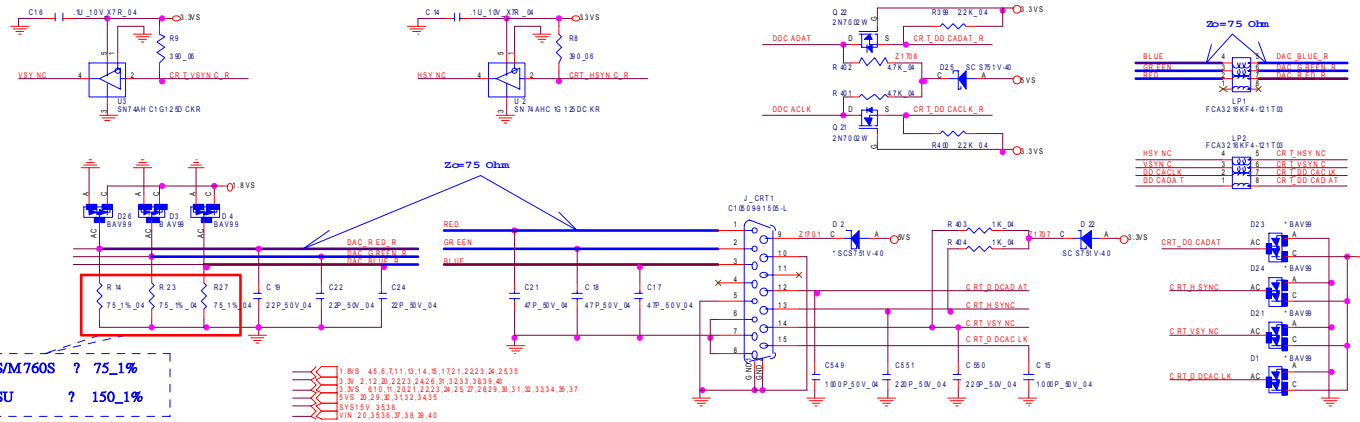






# Panel, CRT

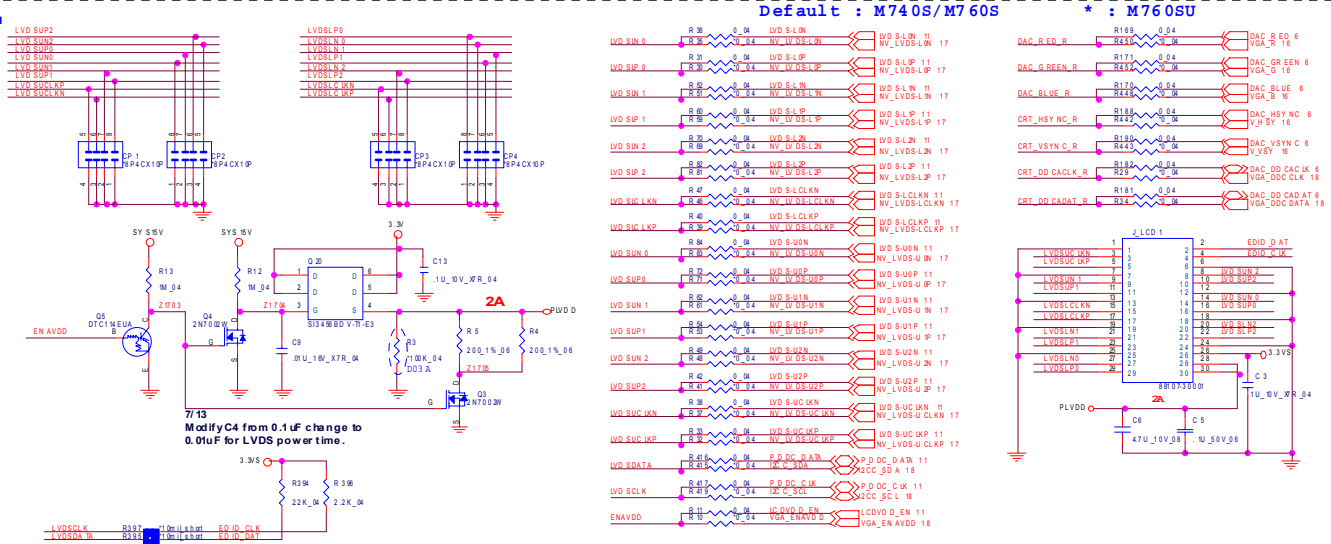
## CRT



Sheet 12 of 48  
Panel, CRT

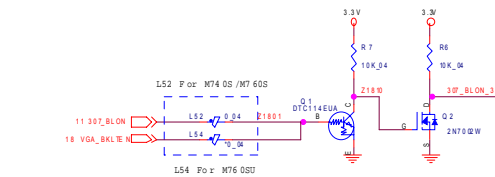
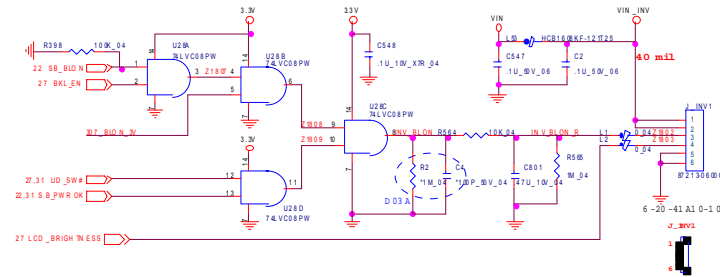
B.Schematic Diagrams

## PANEL

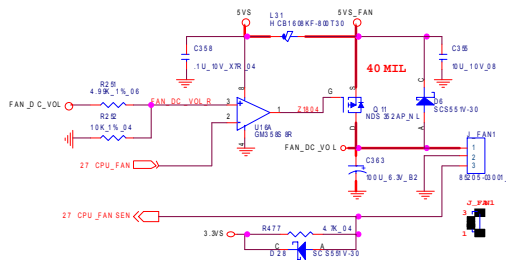


# Inverter, Bluetooth, Fan

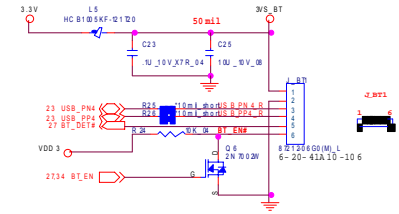
## INVERTER CONNECTOR



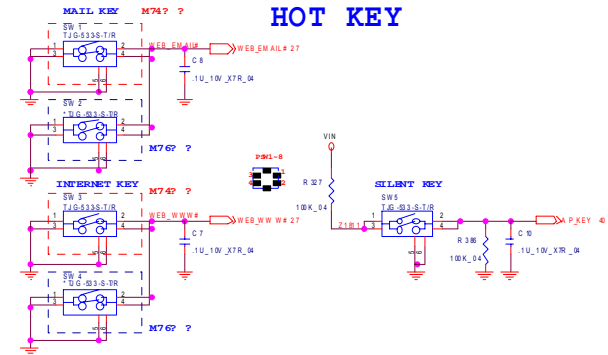
## FAN CONTROL



## Bluetooth



## HOT KEY



- ⎓ 3.3V 2.1219.2223.04.2631.3233.38.39.40
- ⎓ 3.3V 6.1011.1621.22.2324.2527.28.29.30.3132.38.39.40
- ⎓ D03 2.20.2734.3536.38.40
- ⎓ VIN 35.38.37.38.39.40

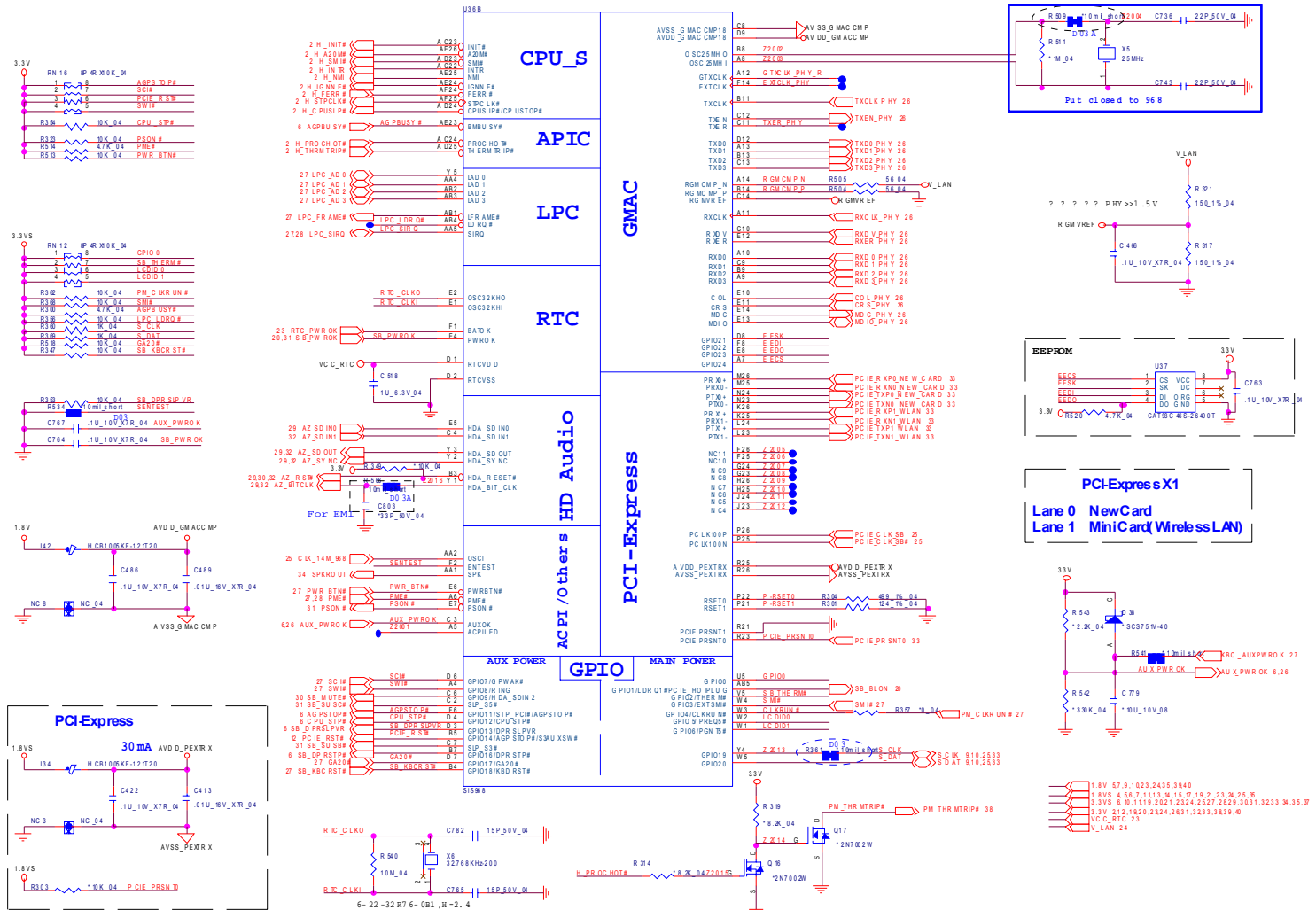


# Schematic Diagrams

## 968 PCIE, LAN, GPIO 2/4

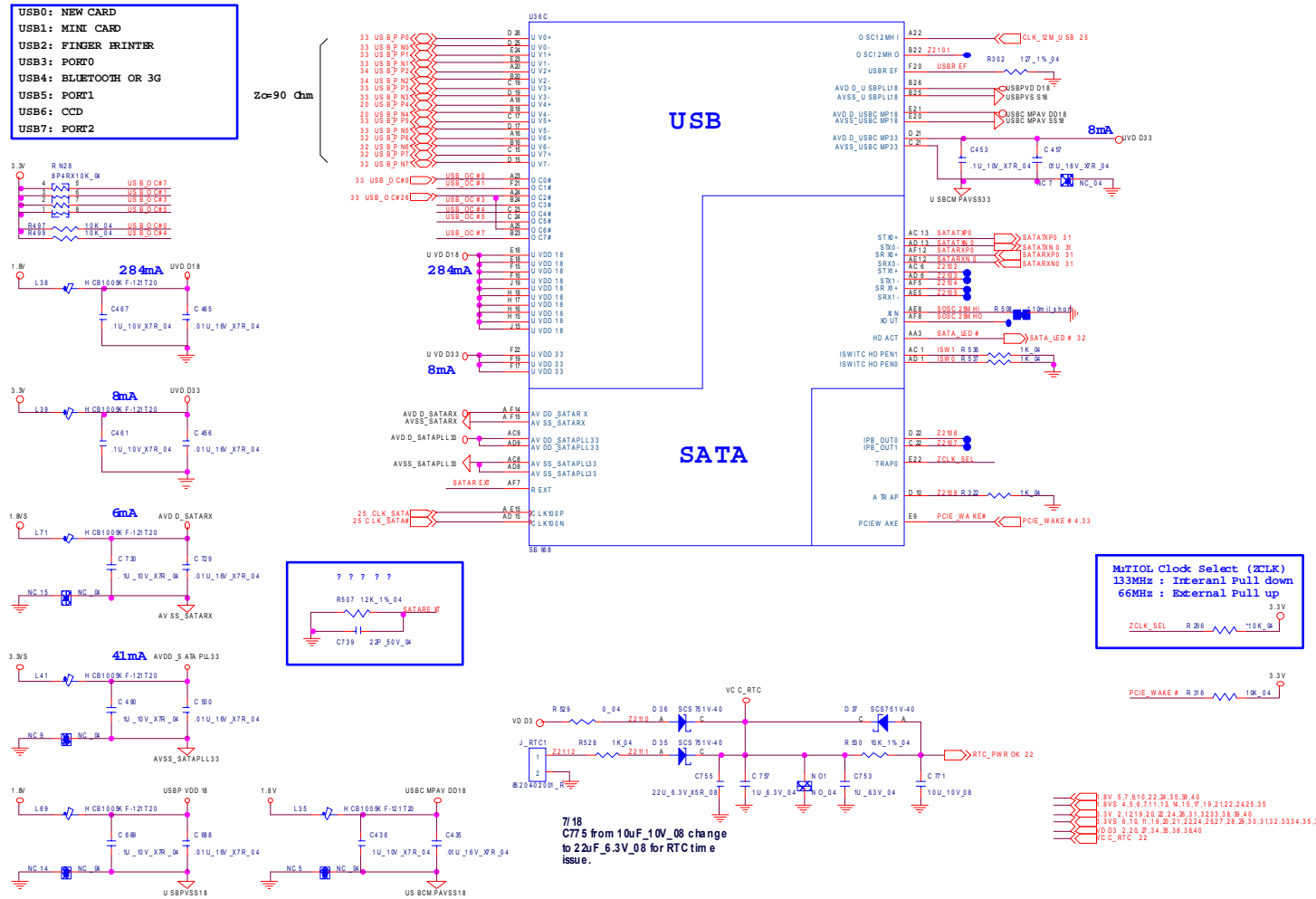
B.Schematic Diagrams

Sheet 15 of 48  
968 PCIE, LAN,  
GPIO 2/4



# 968 USB SATA 3/4

Sheet 16 of 48  
968 USB SATA 3/4



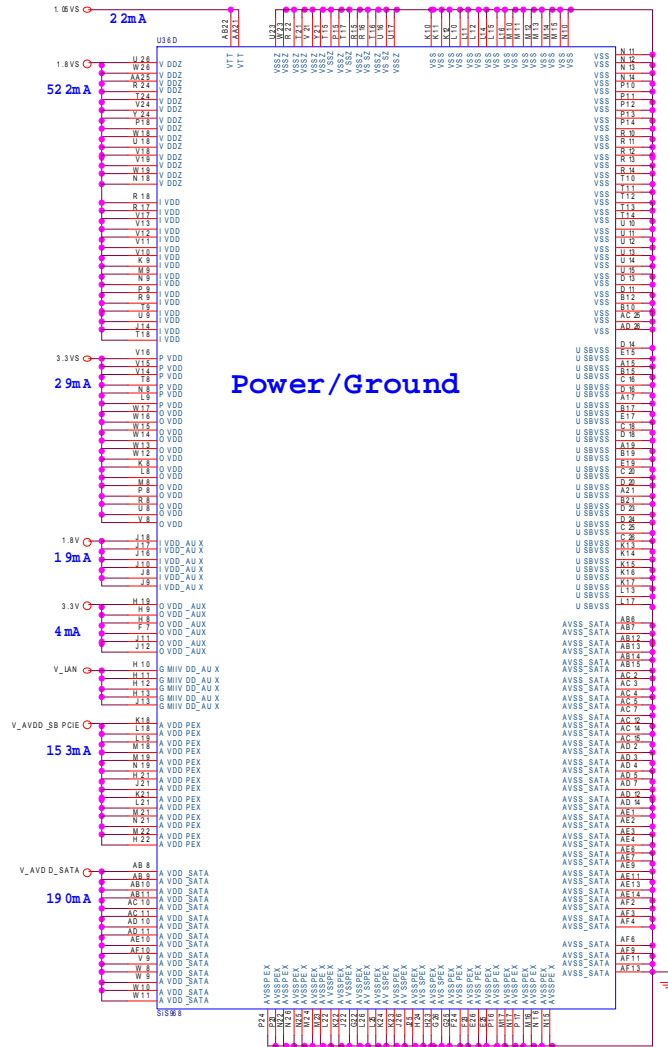


# Schematic Diagrams

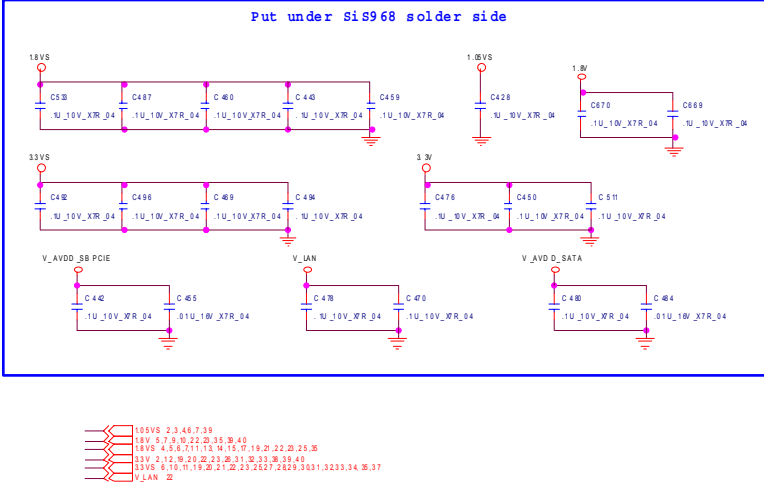
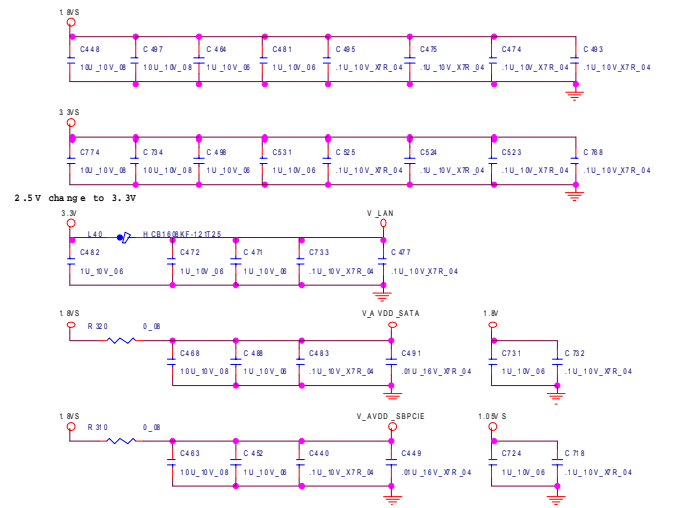
## 968 PWR, GND 4/4

B.Schematic Diagrams

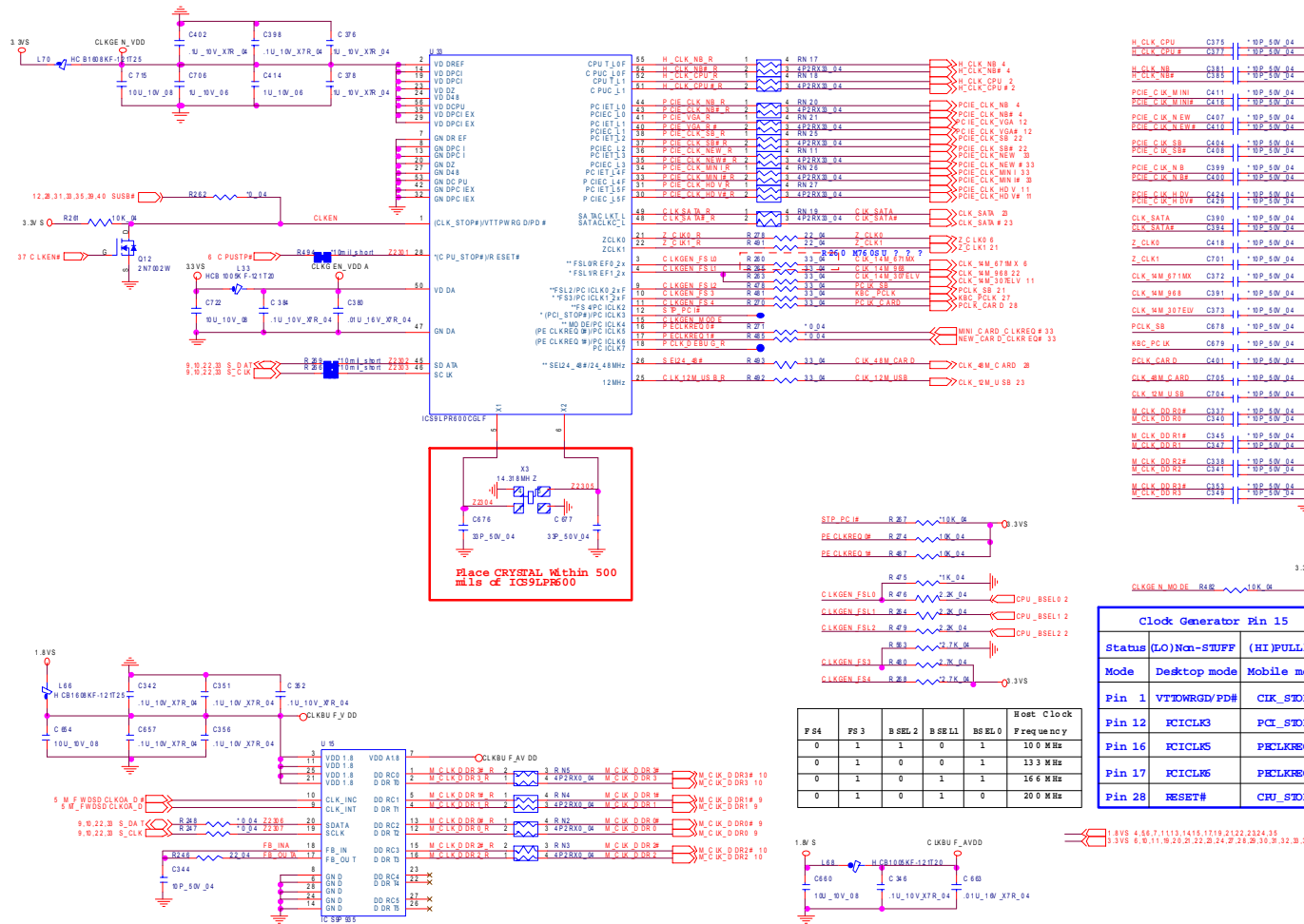
Sheet 17 of 48  
968 PWR, GND 4/4



Power/Ground



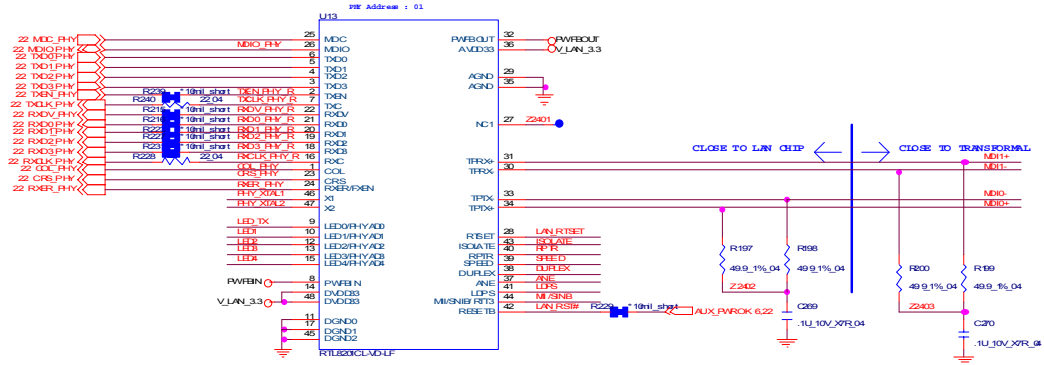
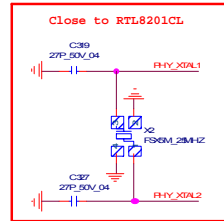
# Clock Generator & Clock Buffer



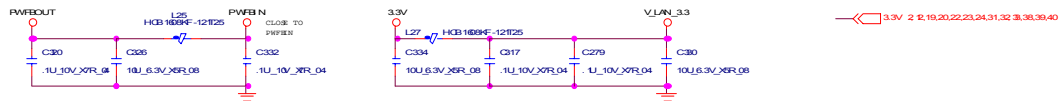
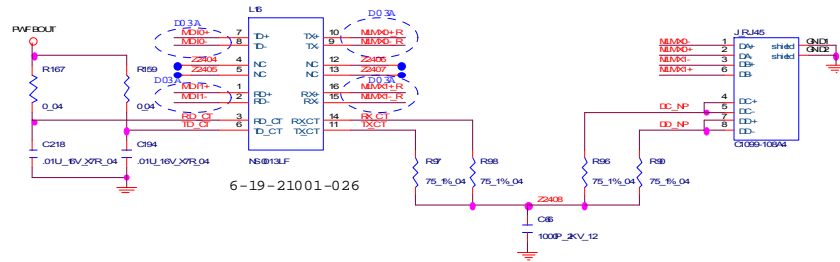
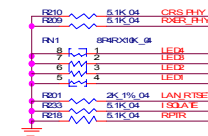
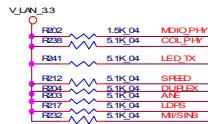
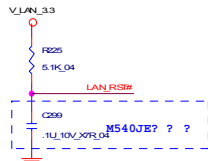
Sheet 18 of 48  
Clock Generator & Clock Buffer

B.Schematic Diagrams

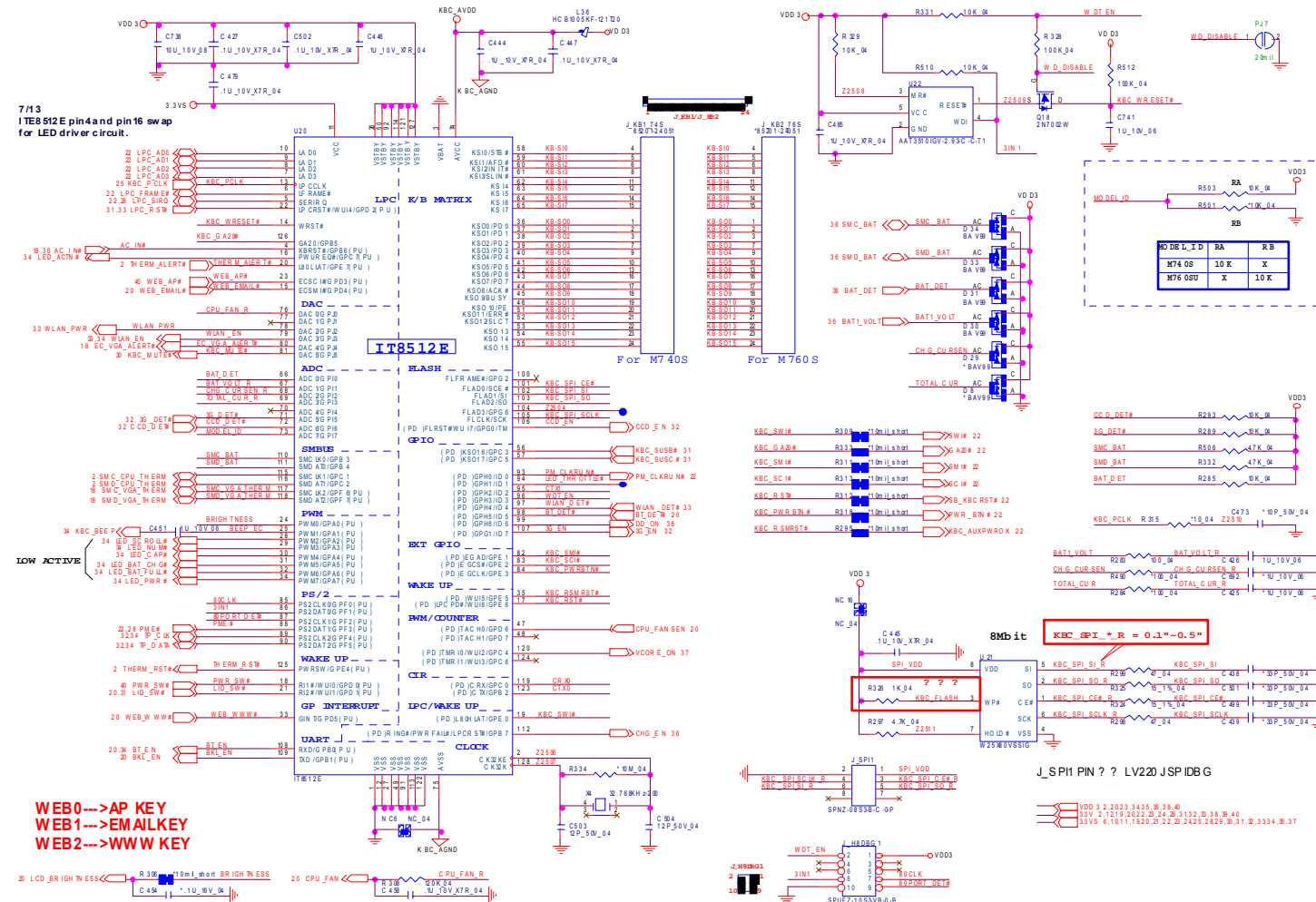
# PHY Realtek 8201CL



Sheet 19 of 48  
PHY Realtek  
8201CL



# KBC ITE8512E



B.Schematic Diagrams

Sheet 20 of 48  
KBC ITE8512E



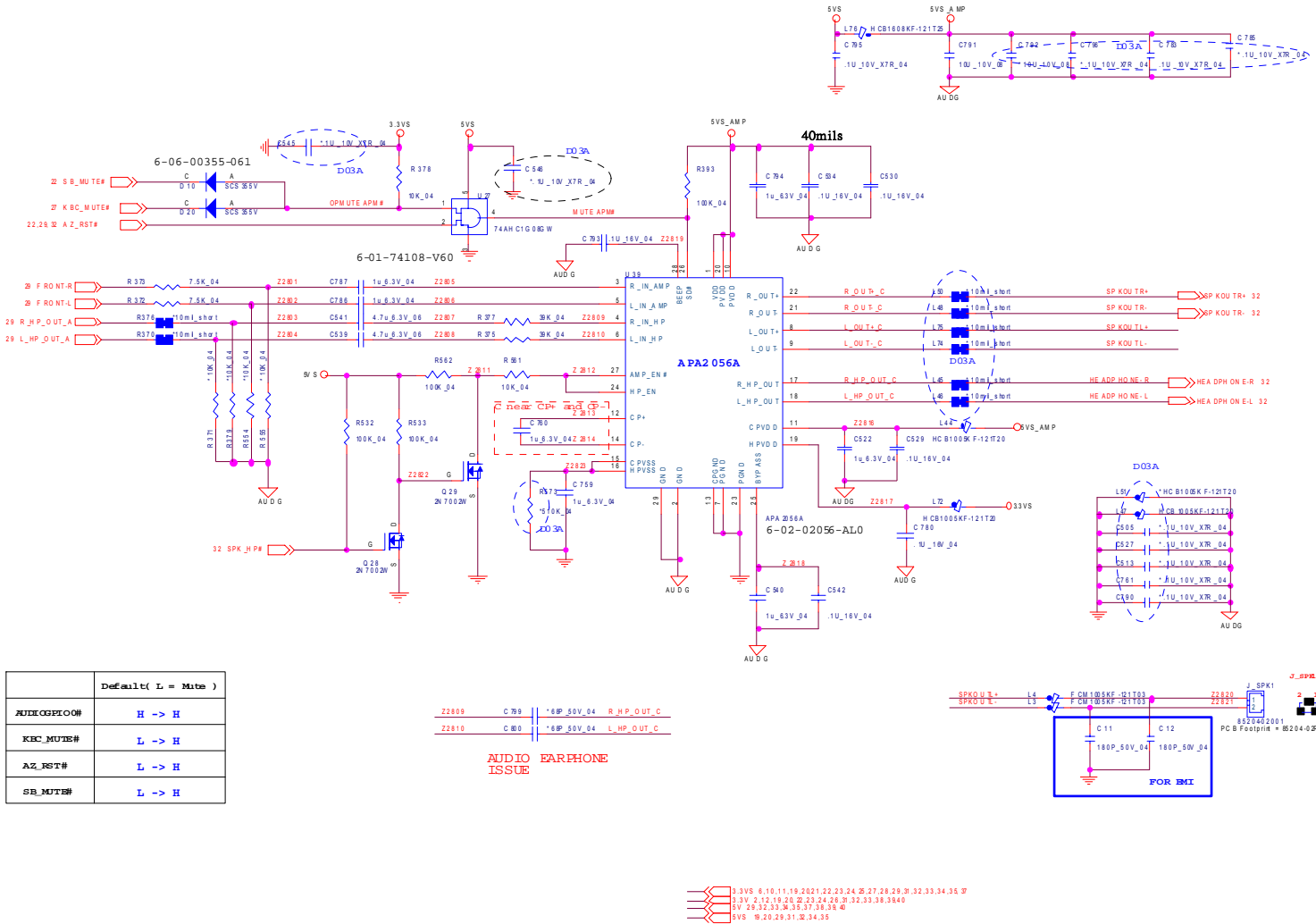


# Schematic Diagrams

## Audio AMP

B.Schematic Diagrams

Sheet 23 of 48  
Audio AMP



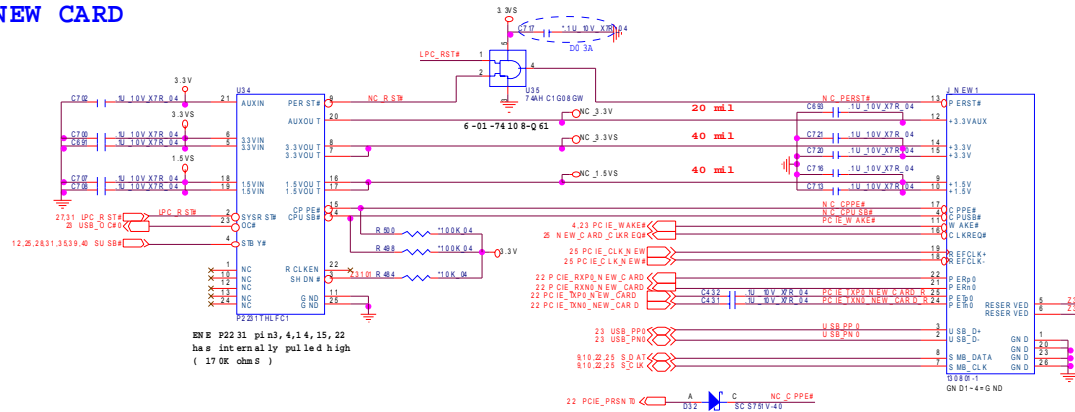






# New Card, Mini PCIE, USB

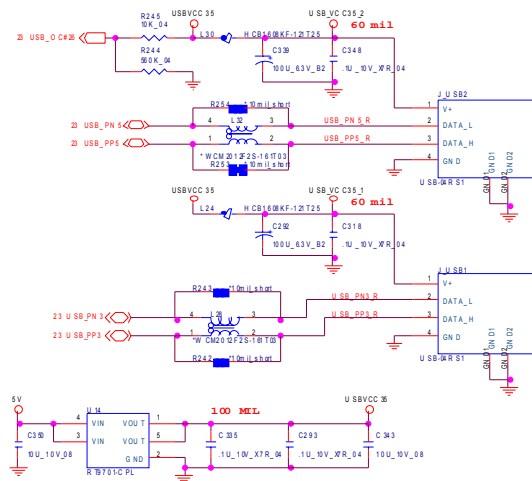
## NEW CARD



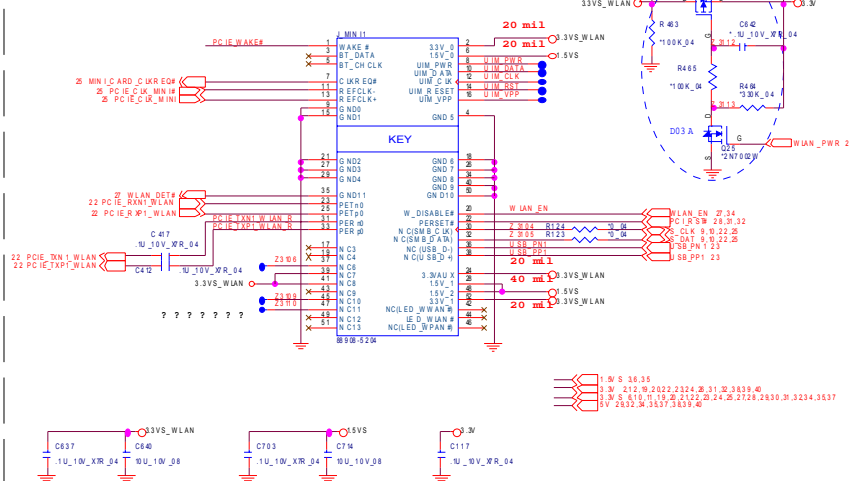
Sheet 26 of 48  
New Card,  
Mini PCIE, USB

B.Schematic Diagrams

## USB PORT



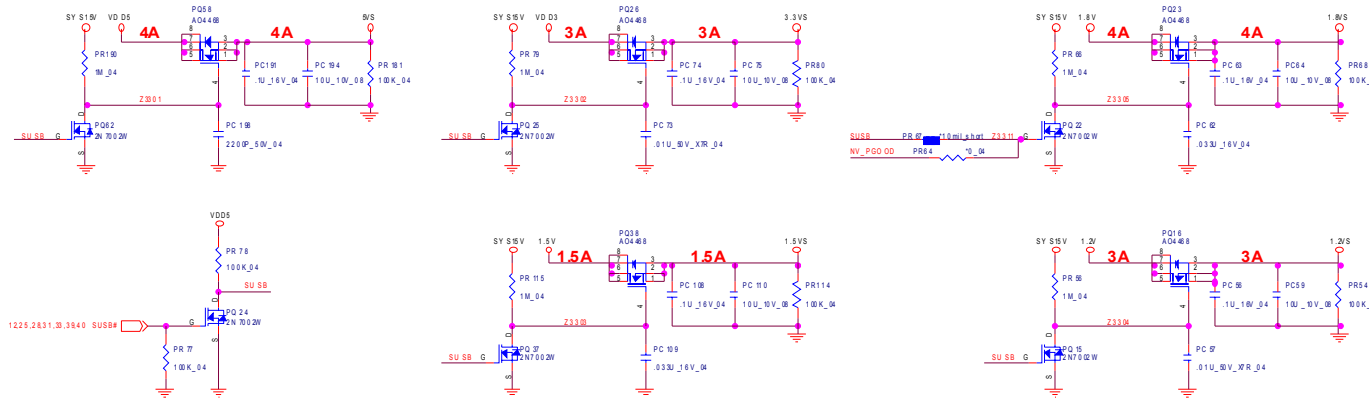
## MINI CARD





# System/Ext-VGA Power

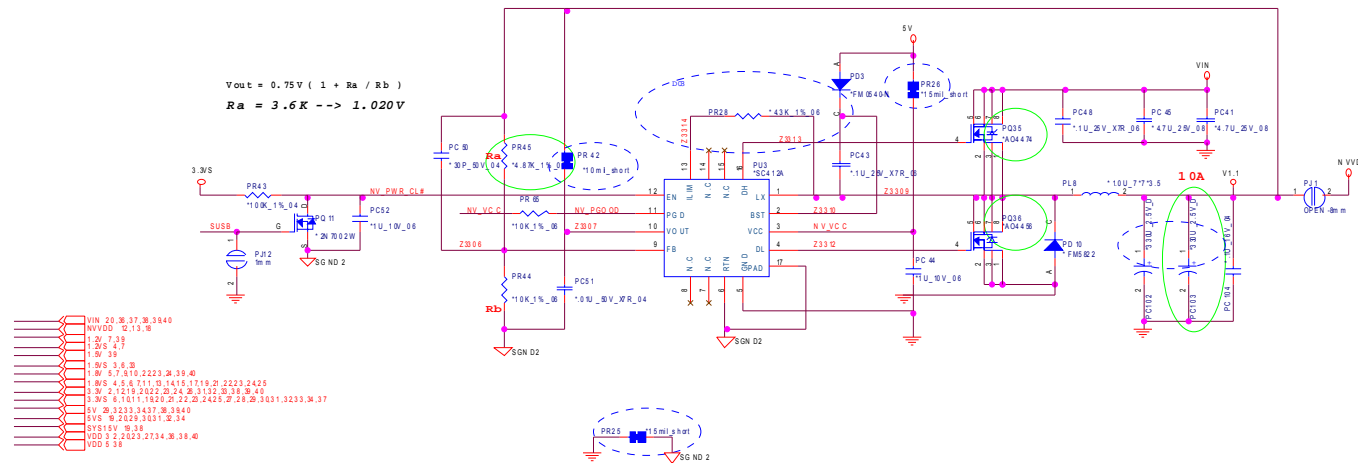
1.2VS, 1.5VS, 1.8VS, 3.3VS, 5VS



Sheet 28 of 48  
System/Ext-VGA  
Power

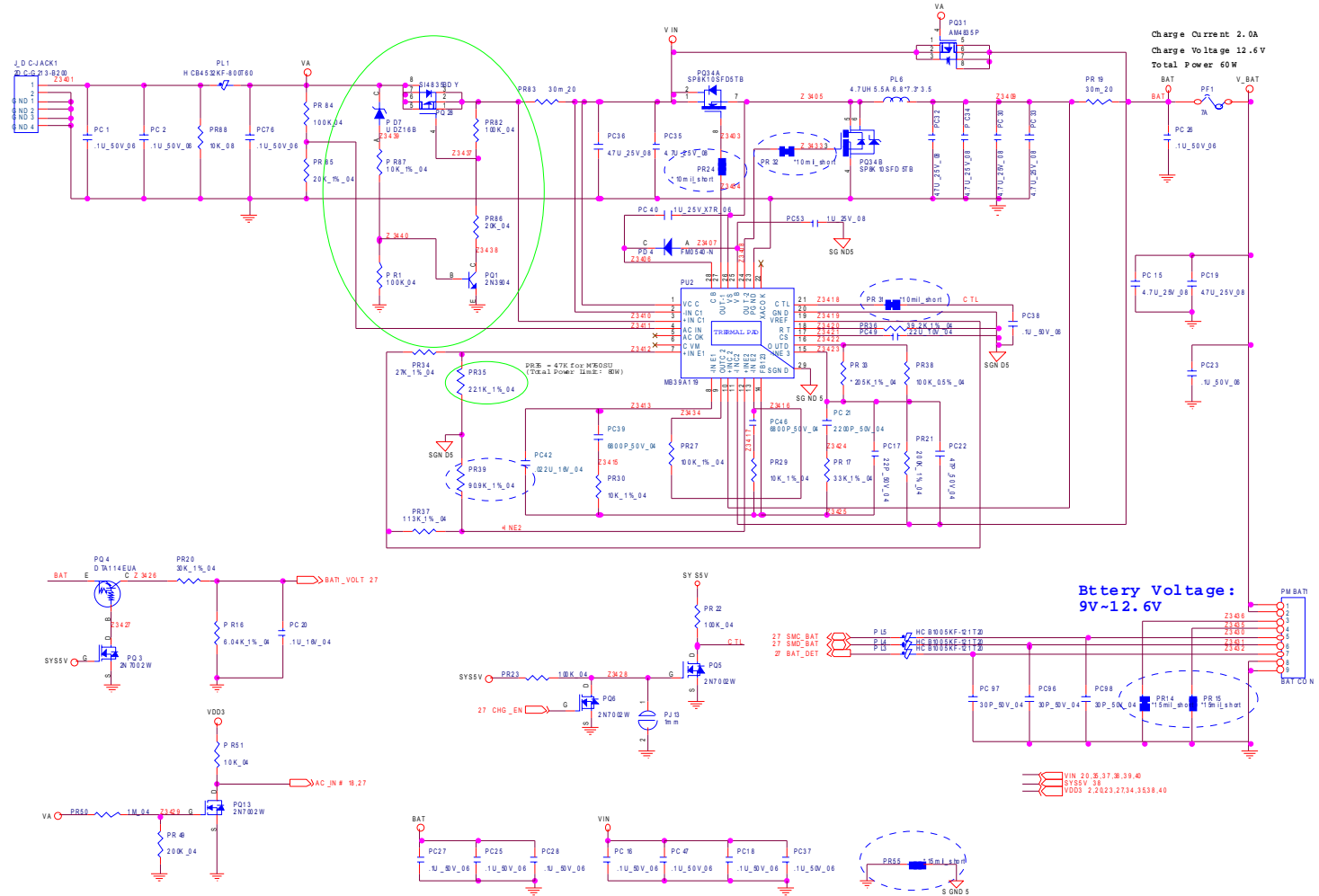
B.Schematic Diagrams

## M760US



# AC-IN, Charger

Sheet 29 of 48  
AC-IN, Charger



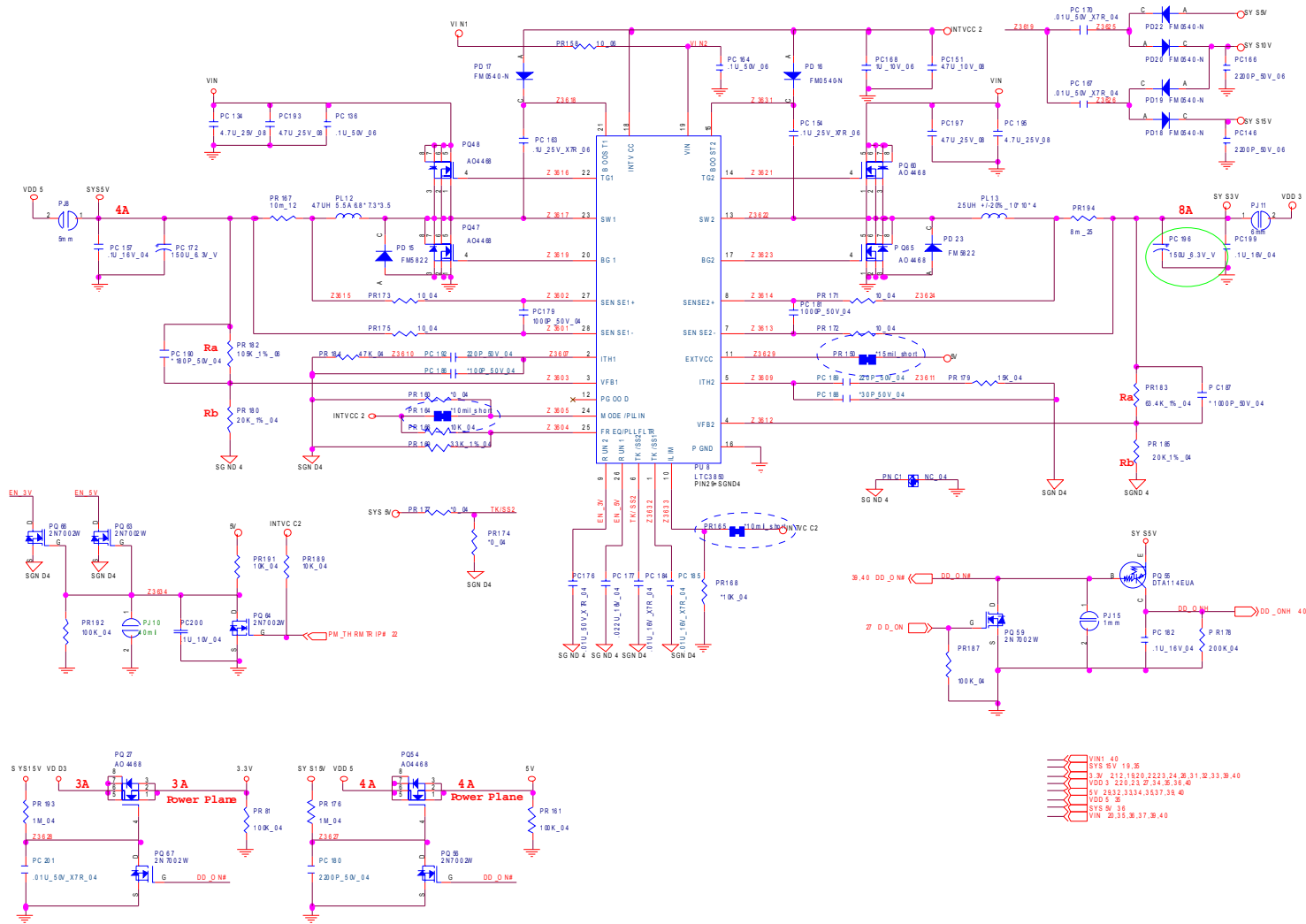




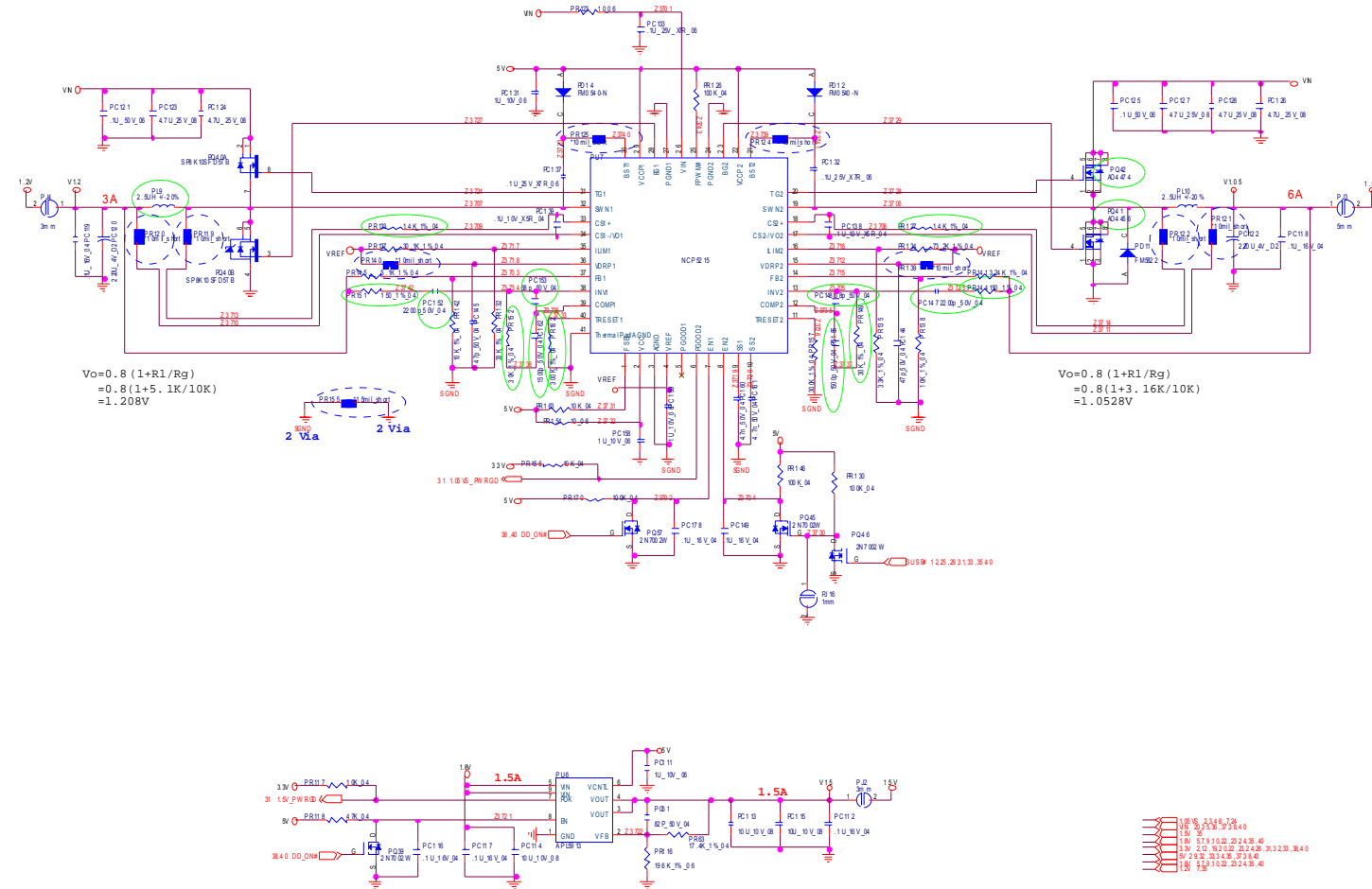
# Schematic Diagrams

## VDD3, VDD5)

Sheet 31 of 48  
VDD3, VDD5



# 1.05VS, 1.2V, 1.5V

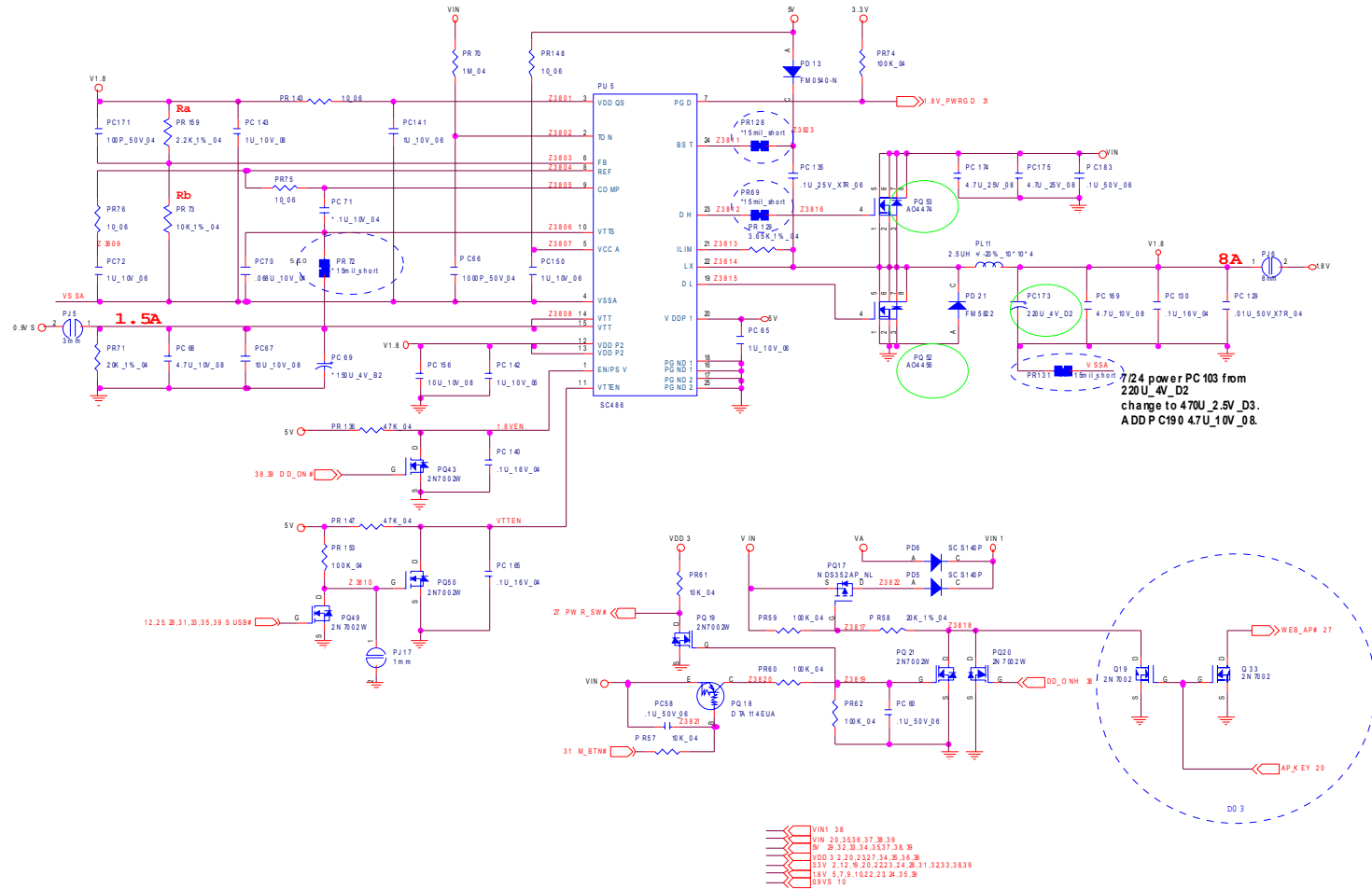


Sheet 32 of 48  
1.05VS, 1.2V, 1.5V

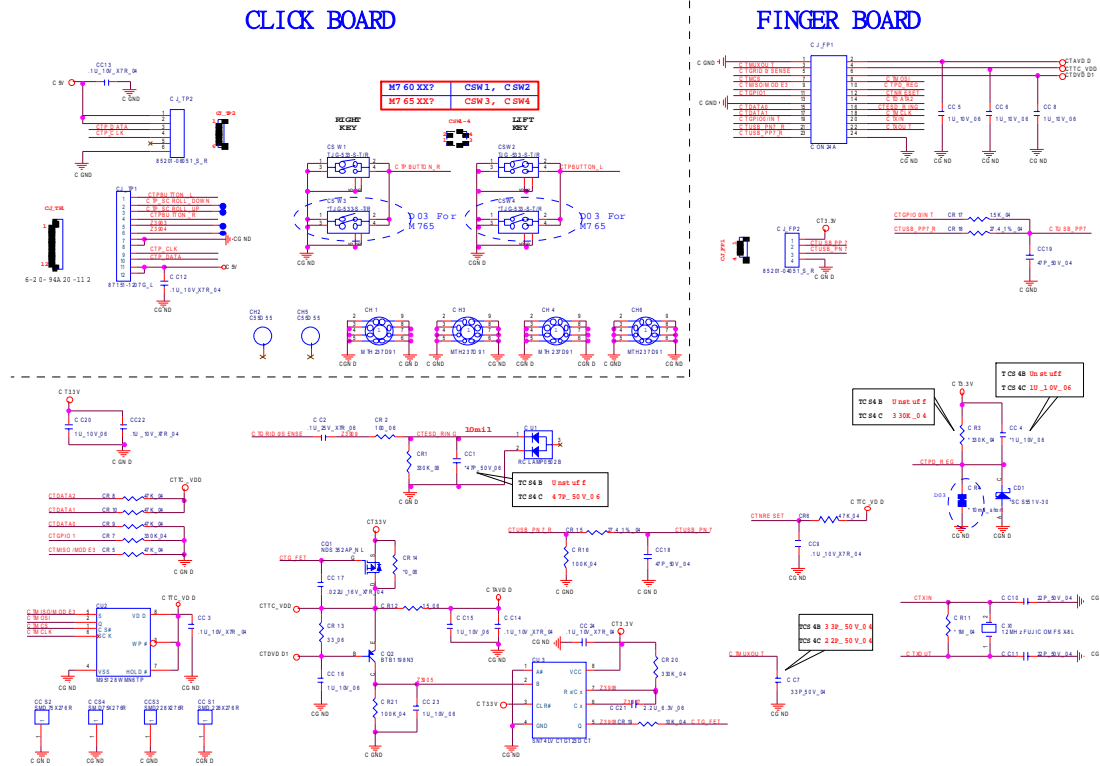
# Schematic Diagrams

## 1.8V, 0.9VS

Sheet 33 of 48  
1.8V, 0.9VS



Click BD, Finger BD for M76

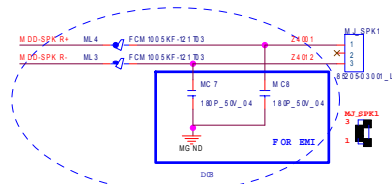


Sheet 34 of 48  
Click BD, Finger BD  
for M76

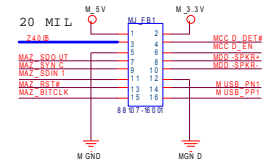
# Multi Function Board

Sheet 35 of 48  
Multi Function  
Board

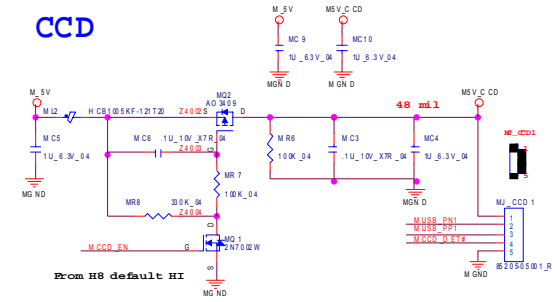
## SPEAKER CONNECTOR



## MULTI I/O CONN

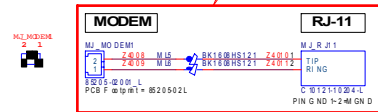


## CCD

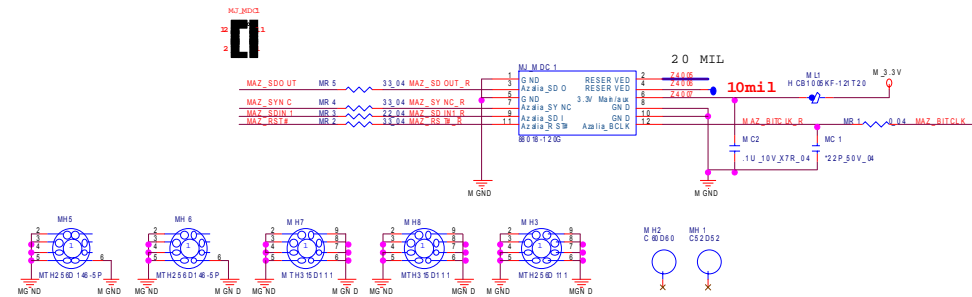


## RJ-11

?? ? ? ? ? ? ? ?  
?? 2.5mm ??

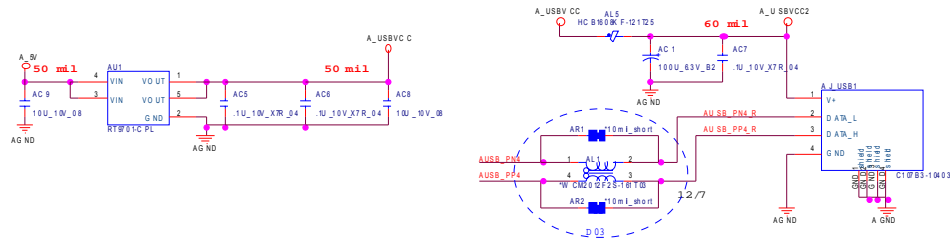


## MDC MODULE

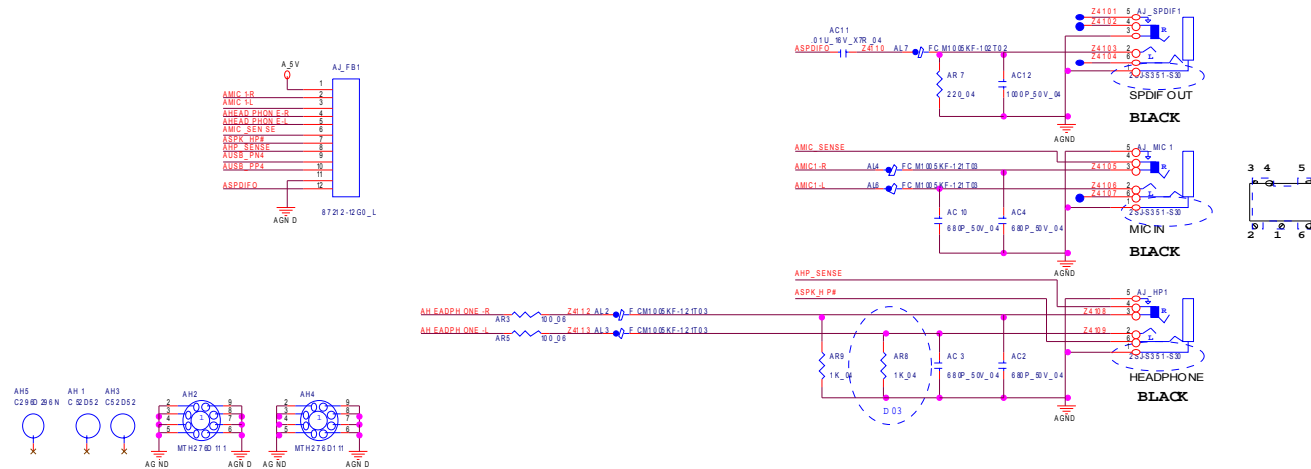


# Audio Board

## USB PORT



## AUDIO JACK

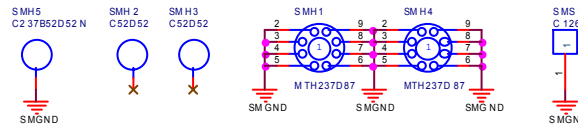
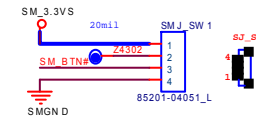
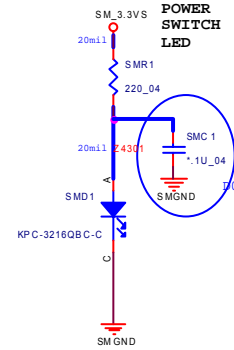
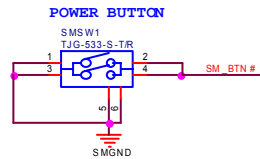


Sheet 36 of 48  
Audio Board

# Power Switch Board for M74

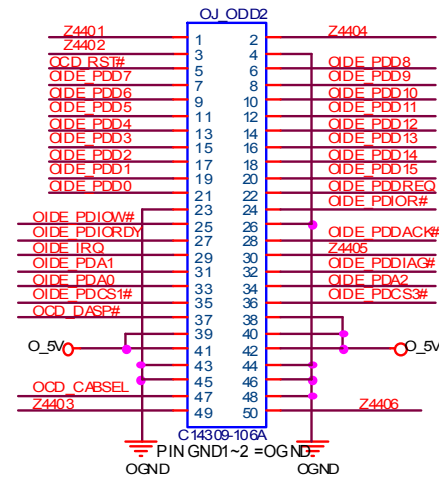
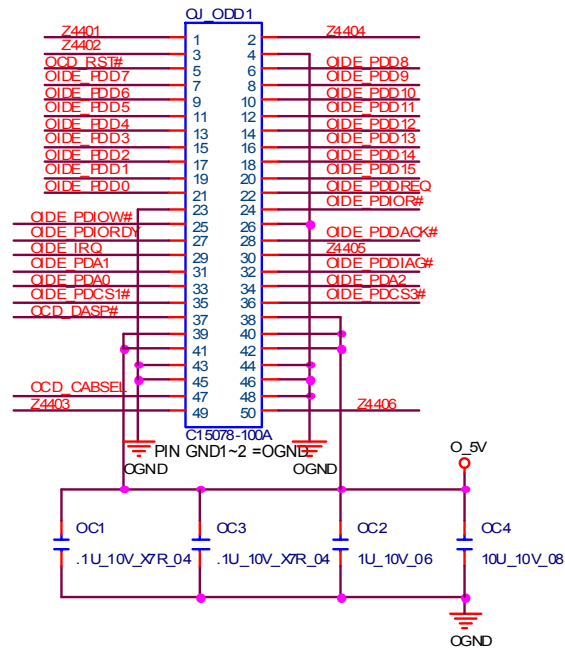
## POWER SW & POWER LED FOR M74

Sheet 37 of 48  
Power Switch  
Board for M74

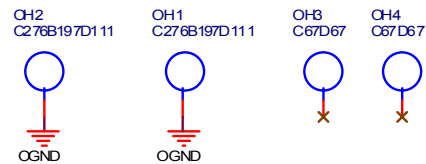




# External ODD Board for M76



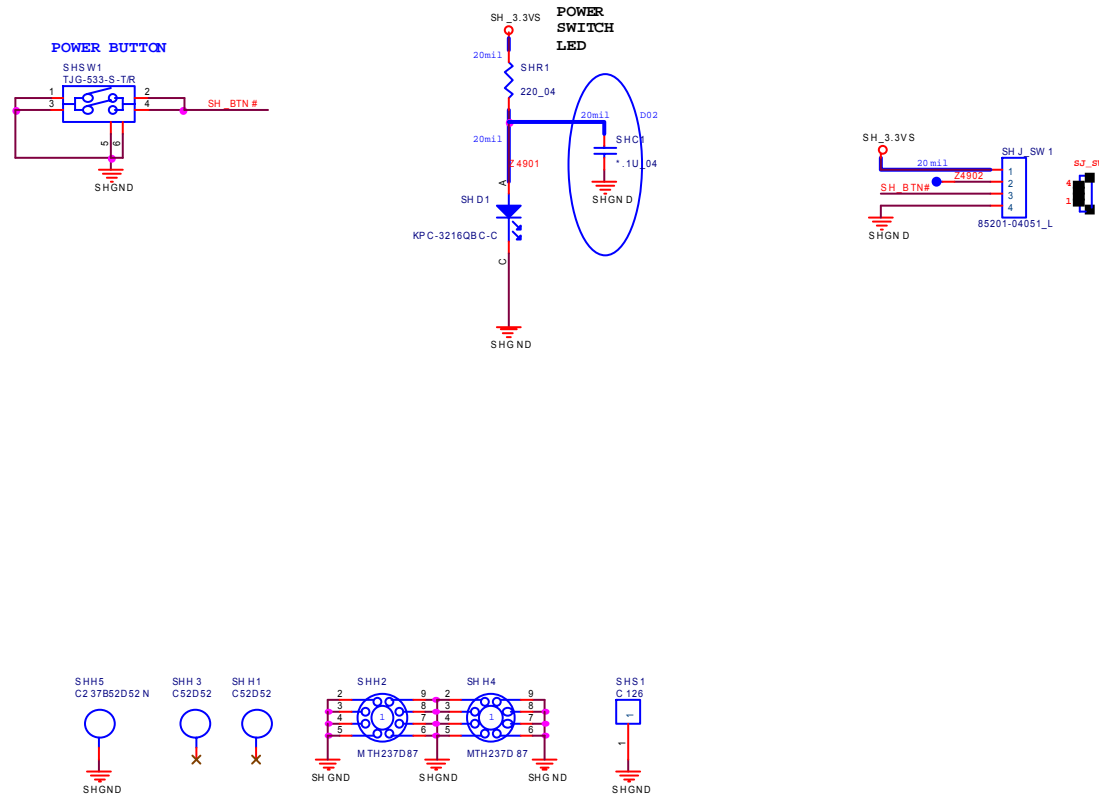
Sheet 38 of 48  
External ODD  
Board for M76



# Power Switch Board for M76

## POWER SW & POWER LED FOR M76

Sheet 39 of 48  
Power Switch  
Board for M76



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