

SERVICE MANUAL

M1110Q / M1110Q-C

notebook



Notebook Computer
M1110Q/M1110Q-C
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 *M1110Q/M1110Q-C* 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

Appendix C, Updating the FLASH ROM BIOS

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, 1.58A (**30W**) minimum AC/DC Adapter.

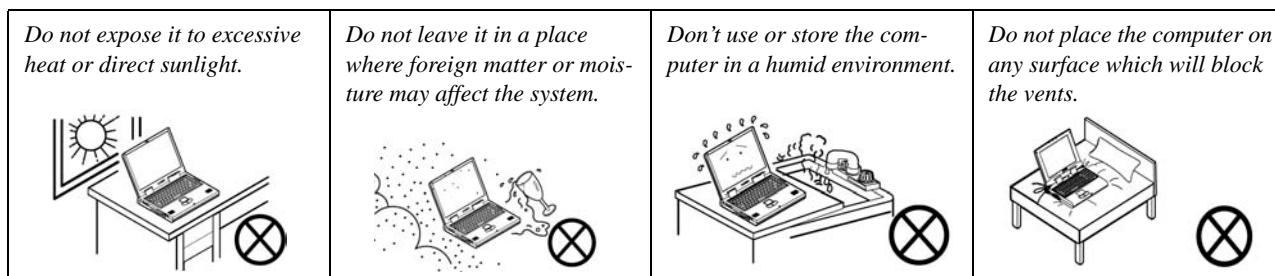
Instructions for Care and Operation

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

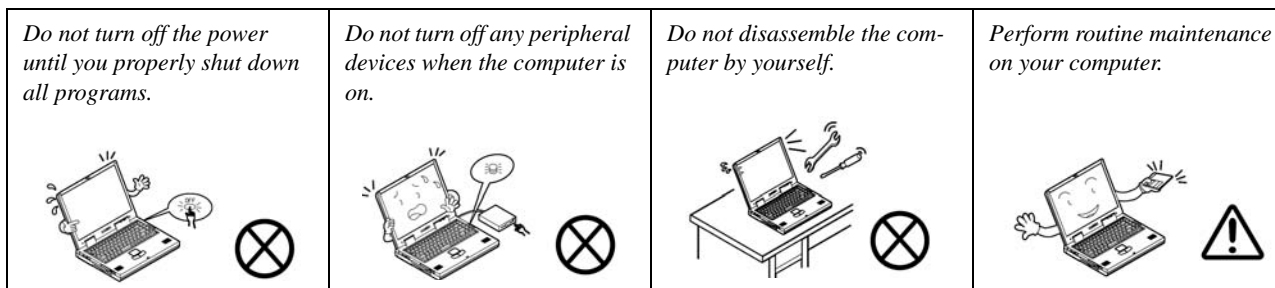
1. **Don't drop it, or expose it to shock.** If the computer falls, the case and the components could be damaged.



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.

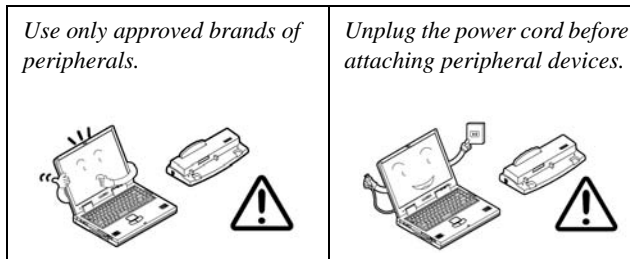


3. **Follow the proper working procedures for the computer.** Shut the computer down properly and don't forget to save your work. Remember to periodically save your data as data may be lost if the battery is depleted.



Preface

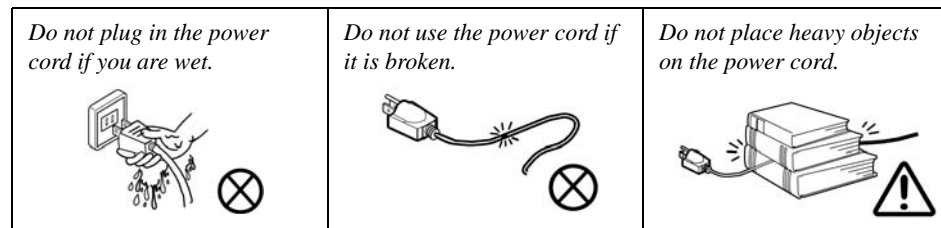
4. **Avoid interference.** Keep the computer away from high capacity transformers, electric motors, and other strong magnetic fields. These can hinder proper performance and damage your data.
5. **Take care when using peripheral devices.**



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 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 Guidelines

The following can also apply to any backup batteries you may have.

- If you do not use the battery for an extended period, then remove the battery from the computer for storage.
- Before removing the battery for storage charge it to 60% - 70%.
- Check stored batteries at least every 3 months and charge them to 60% - 70%.




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.

Battery Level

Click the battery icon  in the taskbar to see the current battery level and charge status. A battery that drops below a level of 10% will not allow the computer to boot up. Make sure that any battery that drops below 10% is recharged within one week.

Preface

Related Documents

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

User's Manual on DVD

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.

System Startup

1. Remove all packing materials.
2. Place the computer on a stable surface.
3. Securely attach any peripherals you want to use with the computer (e.g. keyboard and mouse) to their ports.
4. Attach the AC/DC adapter to the DC-In jack on the left of the computer, then plug the AC power cord into an outlet, and connect the AC power cord to the AC/DC adapter.
5. Use one hand to raise the lid/LCD to a comfortable viewing angle (do not exceed 120 degrees); use the other hand (as illustrated in <Hyperlink B n l>Figure 1) to support the base of the computer (**Note: Never** lift the computer by the lid/LCD).
6. Press the power button to turn the computer "on".

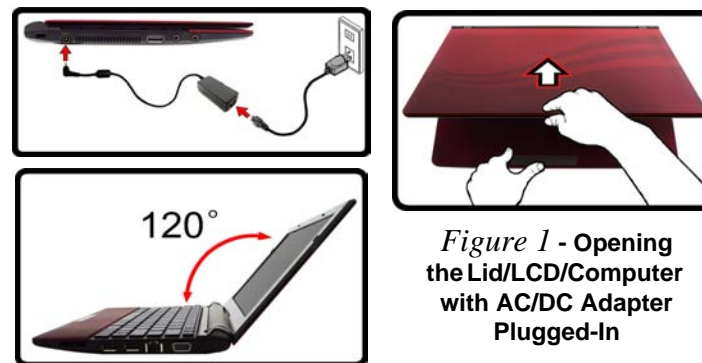


Figure 1 - Opening the Lid/LCD/Computer with AC/DC Adapter Plugged-In

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To update the FLASH ROM BIOS you must: C-1

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Set the computer to boot from the external drive C-1

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Chapter 1: Introduction

Overview

This manual covers the information you need to service or upgrade the *M1110Q/M1110Q-C* 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 the *User's Manual*. The manual is shipped with the computer.

Operating system *Window 7* has its own manuals as do application softwares (e.g. word processing and database programs). If you have questions about those programs, you should consult those manuals.

The *M1110Q/M1110Q-C* 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 take note of the warning and safety information indicated by the “” symbol.

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

Introduction

Specifications



Latest Specification Information

The specifications listed here are correct at the time of sending them to the press. Certain items (particularly processor types/speeds) may be changed, delayed or updated due to the manufacturer's release schedule. Check with your service center for more details.



CPU

The CPU is not a user serviceable part. Accessing the CPU in any way may violate your warranty.

Processor

Intel® Atom™ Processor N455

1.66GHz, 512KB L2 Cache, 667MHz FSB, TDP:6.5W

Intel® Atom™ Processor N475

1.83GHz, 512KB L2 Cache, 667MHz FSB, TDP:6.5W

Display

10.1" (25,6cm) WSVGA TFT LCD

Core Logic

Intel® NM10 Express Chipset

Memory

One 204 Pin SO-DIMM Socket Supporting **DDR3 667MHz** Memory

Memory Expandable up to **2GB**

Video Adapter

Intel GMA 3150

Shared Memory Architecture (DVMT) up to **384MB**

MS DirectX® 9.0 compatible

Storage

One Changeable 2.5" 9.5mm (h) SATA Hard Disk Drive
(**Factory Option**) External USB DVD Super Multi Drive Module

BIOS

One 8Mb SPI Flash ROM

Phoenix™ BIOS

Audio

High Definition Audio Compliant Interface

2 * Built-In Speakers

Built-In Microphone

Security

Kensington Lock Slot

BIOS Password

Interface

Three USB 2.0 Ports

One Headphone-Out Jack

One Microphone-In Jack

One External Monitor Port

One RJ-45 LAN Jack

One DC-in Jack

Keyboard

"WinKey" keyboard (with embedded numeric keypad)

Pointing Device

Built-in Touchpad

Communication

10Mb/100Mb Ethernet LAN

300K Pixel USB PC Camera Module

(**Factory Option**) Bluetooth 2.1 + EDR Module

(**Factory Option**) 3.75G/HSPA Half Mini-Card Module

(**Factory Option**) 802.11b/g/n Wireless LAN Half Mini-Card Module

Card Reader

Embedded 8-in-1 Card Reader

MMC (MultiMedia Card) / RS MMC

SD (Secure Digital) / Mini SD / SDHC

MS (Memory Stick) / MS Pro / MS Duo

Power

Full Range AC/DC Adapter

AC Input: 100 - 240V, 50 - 60Hz

DC Output: 19V, 1.58A (**30W**)

Removable 3 Cell Smart Lithium-Ion Battery Pack, 24.42WH

(Factory Option) Removable 6 Cell Smart Lithium-Ion
Battery Pack, 48.84WH

Energy Star 5.0 Compliant

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

Model A:

266mm (w) x 185mm (d) x 18.5 - 25.4mm (h)

0.94kg (with 24.42WH Battery)

Model B:

266mm (w) x 185mm (d) x 18.5 - 26.6mm (h)

0.97kg (with 24.42WH Battery)

Model C:

266mm (w) x 185mm (d) x 19.7 - 27.1mm (h)

0.93kg (with 24.42WH Battery)

Introduction

Figure 1
Top View

1. Built-In PC Camera
2. LCD
3. Keyboard
4. Built-In Microphone
5. Touchpad & Buttons
6. LED Indicators

External Locator - Top View with LCD Panel Open



External Locator - Front & Right Side Views

Figure 2
Front View

1. LED Indicators

FRONT VIEW



RIGHT SIDE VIEW



Figure 3
Right Side View

1. 8-in-1 Card Reader
2. 2 * USB 2.0 Ports
3. RJ-45 LAN Port
4. External Monitor Port
5. Power Button

Introduction

External Locator - Left Side & Rear View

Figure 4
Left Side View

1. Security Lock Slot
2. DC-In Jack
3. Vent
4. USB 2.0 Port
5. Microphone-In Jack
6. Headphone-Out Jack

LEFT SIDE VIEW



Figure 5
Rear View

1. Battery

REAR VIEW



External Locator - Bottom View

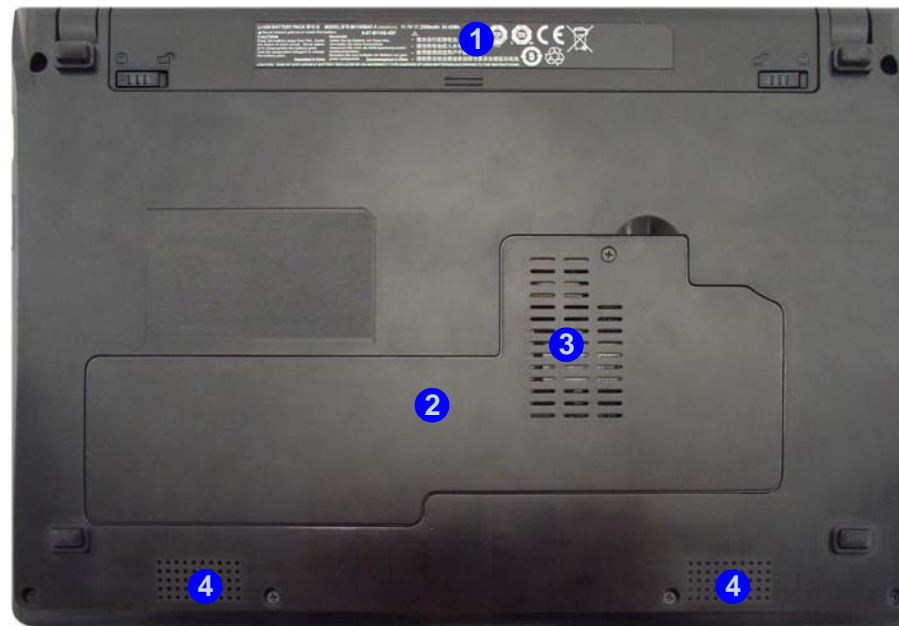


Figure 6
Bottom View

1. Battery
2. Component Bay Cover
3. Vent
4. Speakers



Overheating

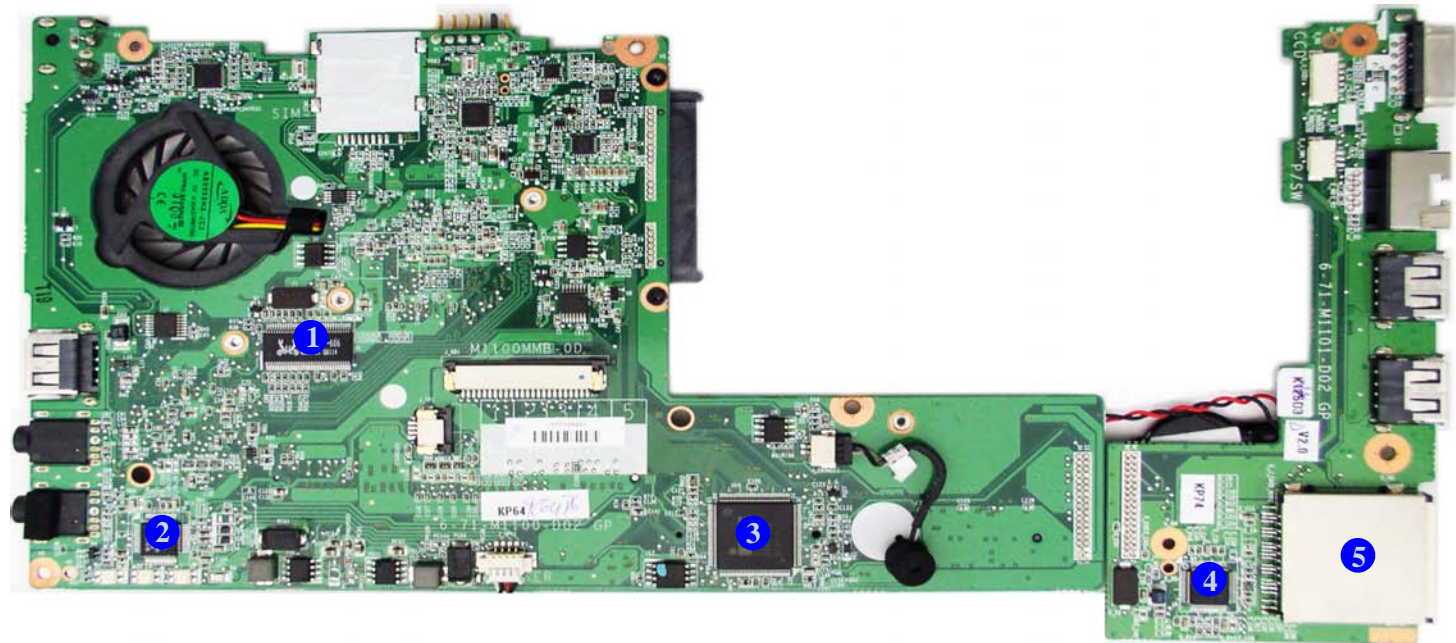
To prevent your computer from overheating, make sure nothing blocks any vent while the computer is in use.

Introduction

Figure 7
Mainboard Top
Key Parts

1. Clock Generator
2. Azalia Codec
3. KBC-ITE IT8502E
4. JMC261
5. 8-in-1 Card Reader Socket

Mainboard Overview - Top (Key Parts)



Mainboard Overview - Bottom (Key Parts)

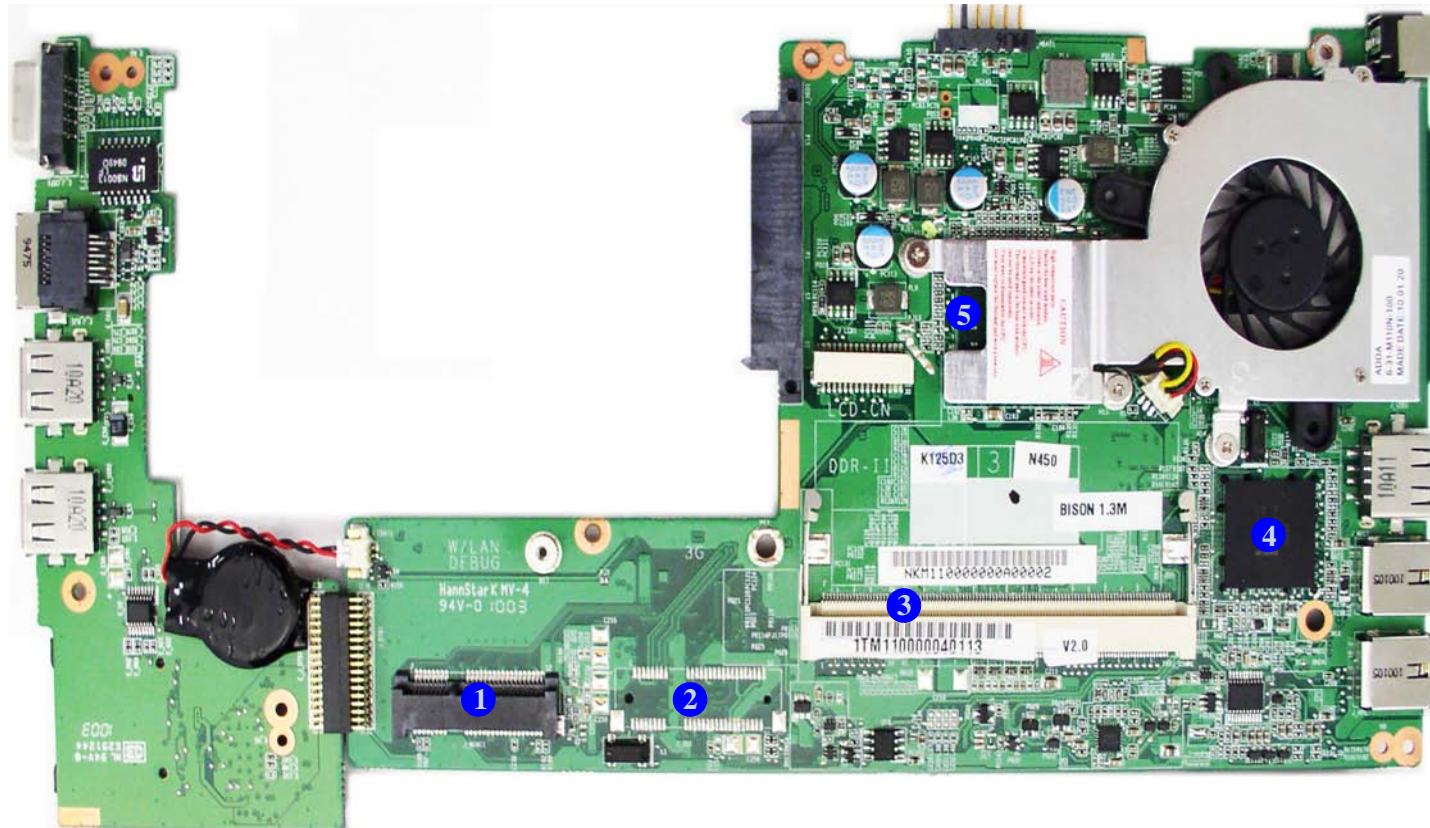


Figure 8
**Mainboard Bottom
Key Parts**

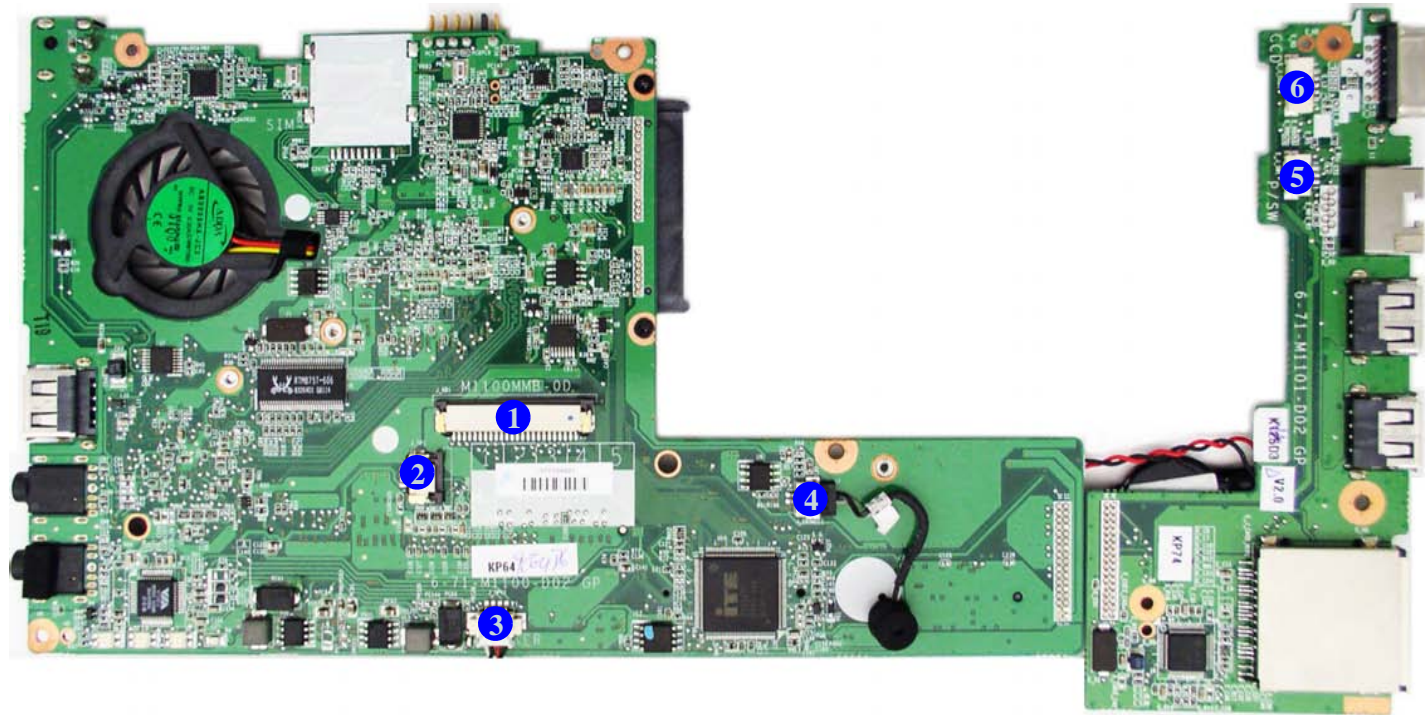
1. Mini-Card Connector (WLAN Module)
2. Optional Mini-Card Connector (3.5G Module)
3. Memory Slot DDR3 SO-DIMM
4. South Bridge
5. Embedded CPU

Introduction

Figure 9
**Mainboard Top
Connectors**

1. Keyboard Cable Connector
2. TouchPad Cable Connector
3. Speaker Cable Connector
4. Microphone Cable Connector
5. Switch Board Cable Connector
6. CCD Cable Connector

Mainboard Overview - Top (Connectors)



Mainboard Overview - Bottom (Connectors)

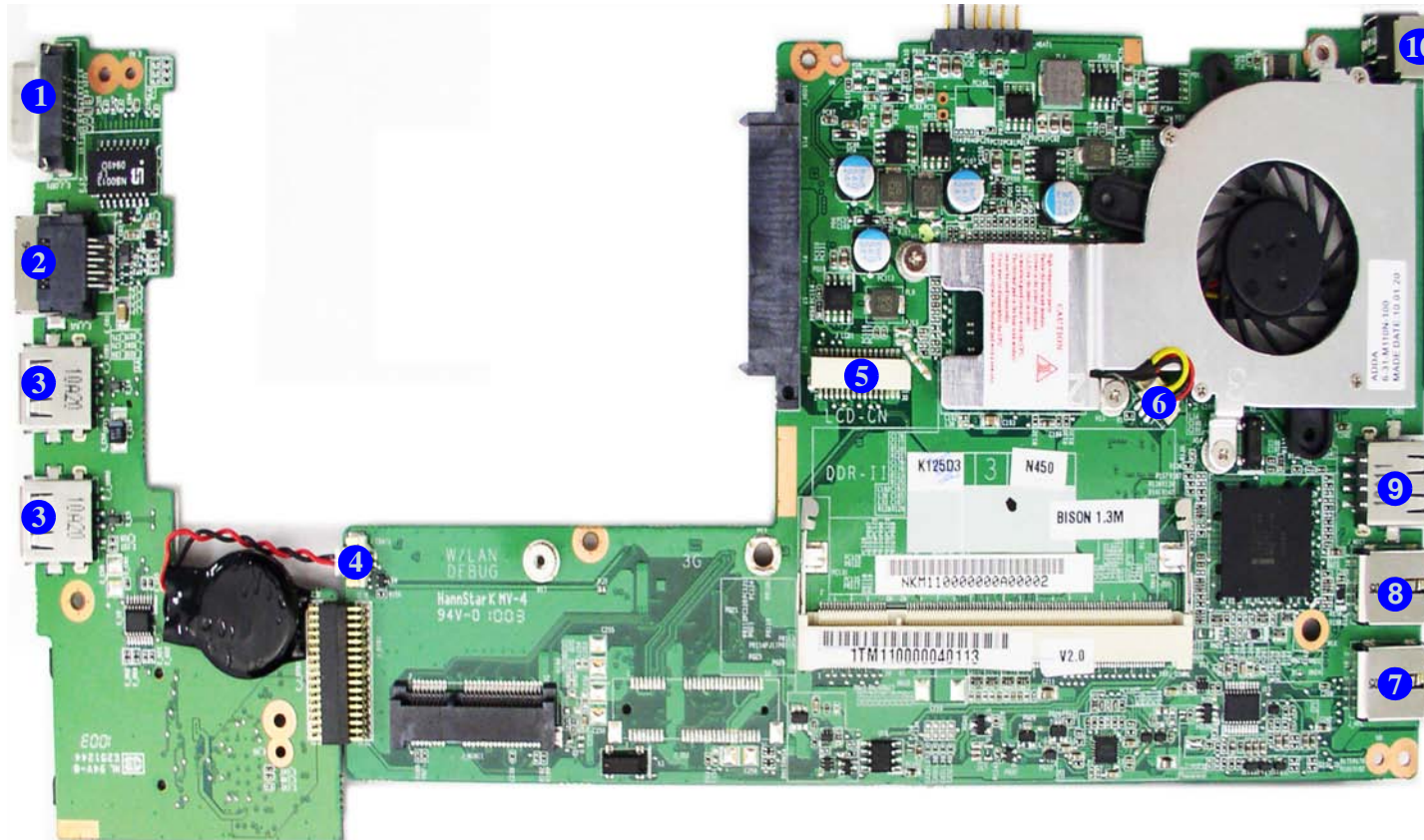


Figure 10
**Mainboard Bottom
Connectors**

1. External Monitor Port
2. RJ-45 Lan Port
3. USB Ports
4. CMOS Battery Connector
5. LCD Cable Connector
6. CPU Fan Cable Connector
7. Headphone-Out Jack
8. Microphone-In Jack
9. USB Port
10. DC-In Jack


Chapter 2: Disassembly

Overview

This chapter provides step-by-step instructions for disassembling the *M1110Q/M1110Q-C* 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.


Information
Warning

Disassembly

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.

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 System Memory:

- 1. Remove the battery *page 2 - 5*
- 2. Remove the system memory *page 2 - 6*

To remove the Wireless LAN Module:

- 1. Remove the battery *page 2 - 5*
- 2. Remove the wireless LAN *page 2 - 8*

To remove the Keyboard:

- 1. Remove the battery *page 2 - 5*
- 2. Remove the keyboard *page 2 - 9*

To remove the HDD:

- 1. Remove the battery *page 2 - 5*
- 2. Remove the keyboard *page 2 - 9*
- 3. Remove the HDD *page 2 - 10*

To remove the Bluetooth Module:

- 1. Remove the battery *page 2 - 5*
- 2. Remove the keyboard *page 2 - 9*
- 3. Remove the HDD *page 2 - 10*
- 4. Remove the Bluetooth *page 2 - 12*

Removing the Battery

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

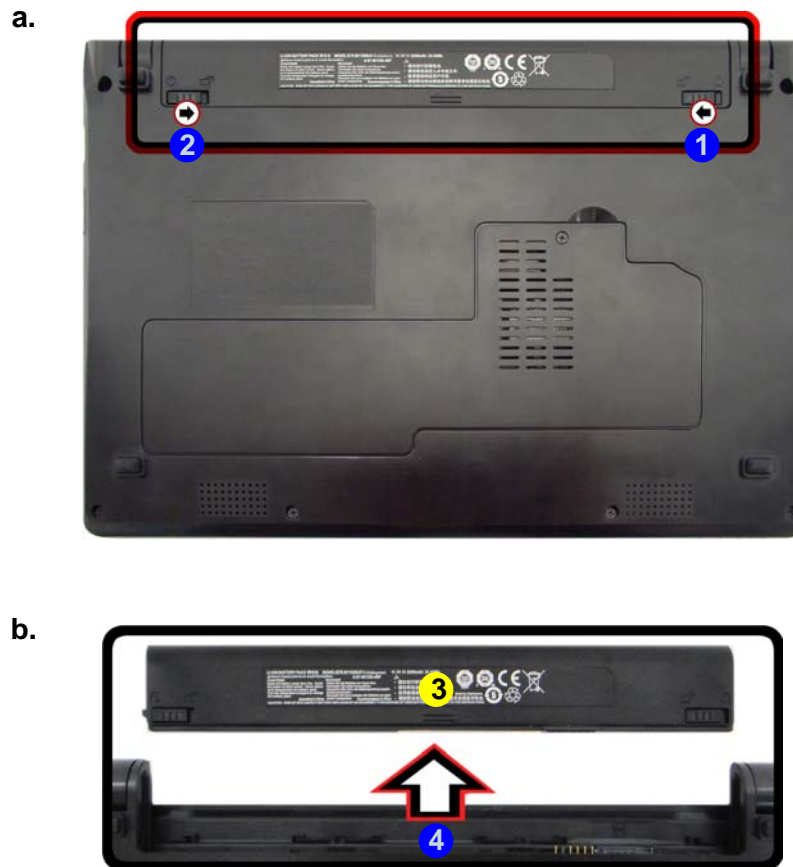
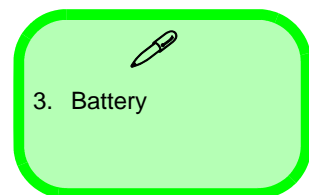


Figure 1
Battery Removal

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



Disassembly

Figure 2
**RAM Module
Removal**

- Remove the screw.
- Lift the bay cover up.

Removing the System Memory (RAM)

The computer has one memory socket for 200 pin Small Outline Dual In-line Memory Modules (SO-DIMM) supporting DDR3 667MHz. The main memory can be expanded up to 2GB. The SO-DIMM modules supported are 1024MB, and 2048MB and **DDRIII** Modules. The total memory size is automatically detected by the POST routine once you turn on your computer.

Memory Upgrade Process

- Turn **off** the computer, remove the battery ([page 2 - 5](#)).
- Locate the component bay cover **1**, and remove screw **2** ([Figure 2a](#)).
- Carefully lift the component bay cover **1** up ([Figure 2b](#)).



Contact Warning

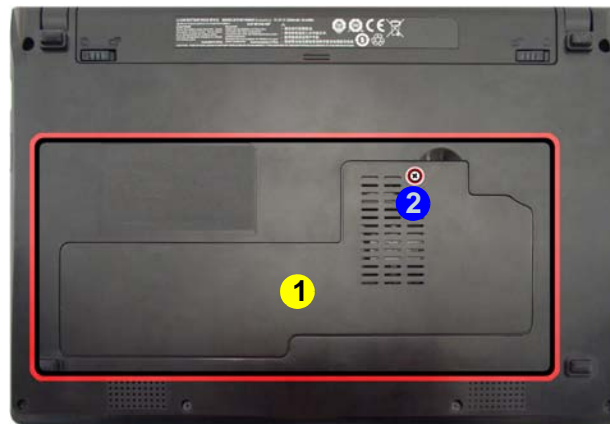
Be careful not to touch the metal pins on the module's connecting edge. Even the cleanest hands have oils which can attract particles, and degrade the module's performance.



- Component Bay Cover

- 1 Screw

a.



b.

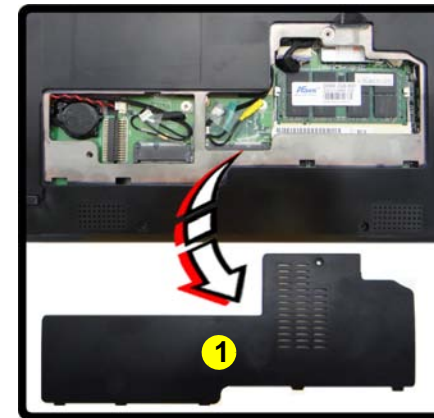
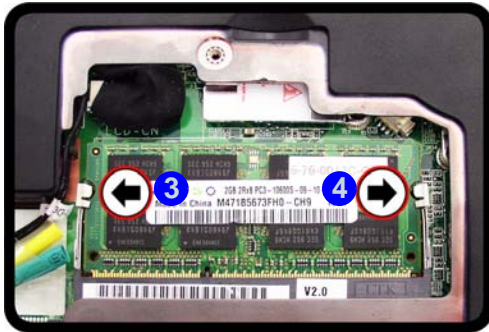


Figure 3
RAM Module Removal (cont'd.)

- c. Pull the release latches.
d. Remove the module.

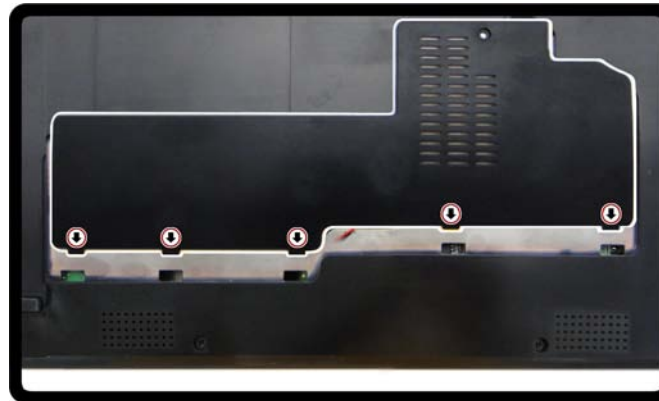
c.



d.



5. The RAM module **5** will pop-up (*Figure 3d*), and you can then remove it.
6. Insert a new module holding it at about a 30° angle and fit the connectors firmly into the memory slot.
7. 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.
8. Press the module in and down towards the mainboard until the slot levers click into place to secure the module.
9. Replace the bay cover and screw.



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



5. RAM Module

Disassembly

Figure 4
**Wireless LAN
Module Removal**

- a. Remove the cover and disconnect the cables and remove the screw.
- b. The WLAN module will pop up.
- c. Lift the WLAN module out.

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



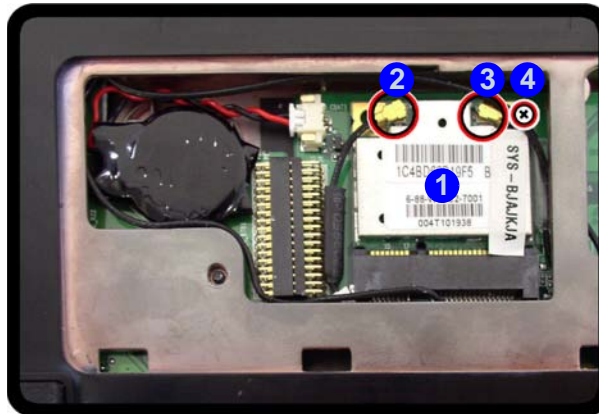
5. WLAN Module.

- 1 Screw

Removing the Wireless LAN Module

1. Turn **off** the computer, remove the battery ([page 2 - 5](#)) and the component bay cover ([page 2 - 6](#)).
2. The Wireless LAN module will be visible at point **1** (*Figure 4a*) on the mainboard.
3. Carefully disconnect cables **2** - **3**, then remove screw **4** from the module socket (*Figure 4a*).
4. The Wireless LAN module **5** (*Figure 4b*) will pop-up.
5. Lift the Wireless LAN module (*Figure 4c*) up and off the computer.

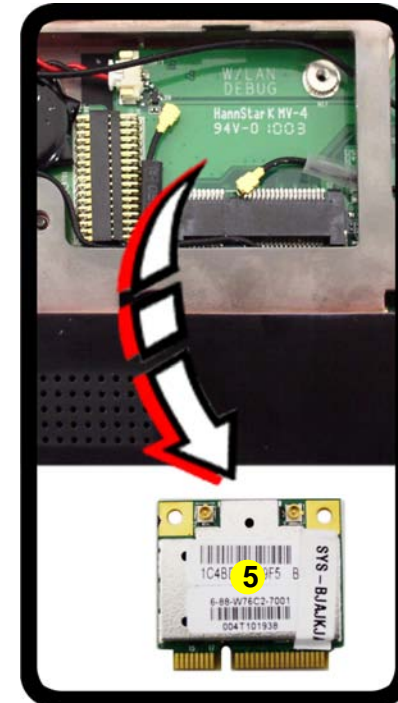
a.



b.



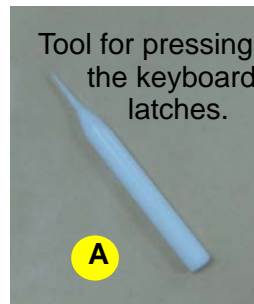
c.



Removing the Keyboard

1. Turn **off** the computer and remove the battery ([page 2 - 5](#)).
2. Use **only** the small tool **A** provided (see picture below) to carefully press the **four** keyboard latches **1** - **4** at the top of the keyboard to elevate the keyboard from its normal position ([Figure 5a](#)).
3. Carefully lift the keyboard **5** up, being careful not to bend the keyboard ribbon cable **6** ([Figure 5b](#)).
4. Disconnect the keyboard ribbon cable **6** from the locking collar socket **7** ([Figure 5b](#)).
5. Carefully lift up the keyboard **5** ([Figure 5c](#)) off the computer.

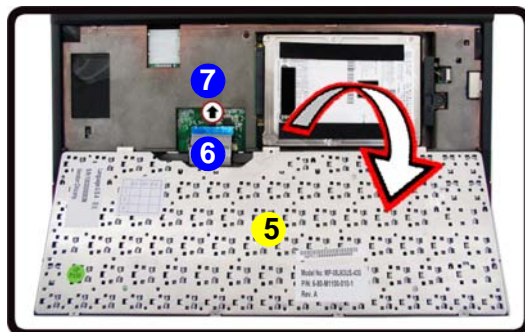
a.



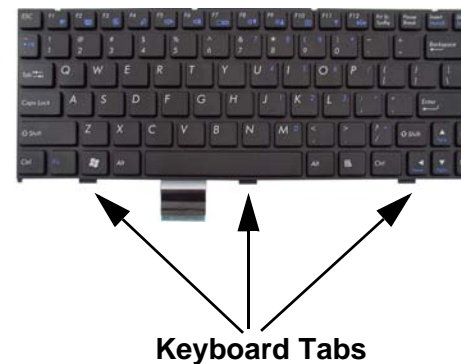
c.



b.



d.



- 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, align first the **three** keyboard tabs ([Figure 5d](#)) that are located at the bottom, to the slots in the case.



5. Keyboard

Disassembly

Figure 6
**HDD Assembly
Removal**

- a. Locate the hard disk and remove the screw.

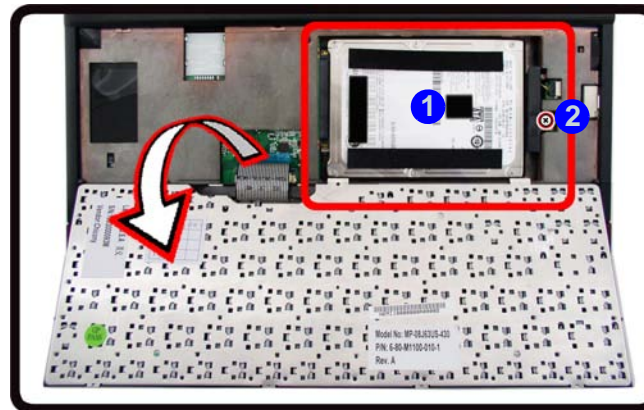
Removing the Hard Disk Drive

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) and a speed of **5400 RPM** or lower. 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.

Hard Disk Upgrade Process

1. Turn **off** the computer, remove the battery ([page 2 - 5](#)) and remove the keyboard ([page 2 - 9](#)).
2. Locate the hard disk at point **1** and remove screw **2** ([Figure 6a](#)).

a.



- 1 Screw



HDD System Warning

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

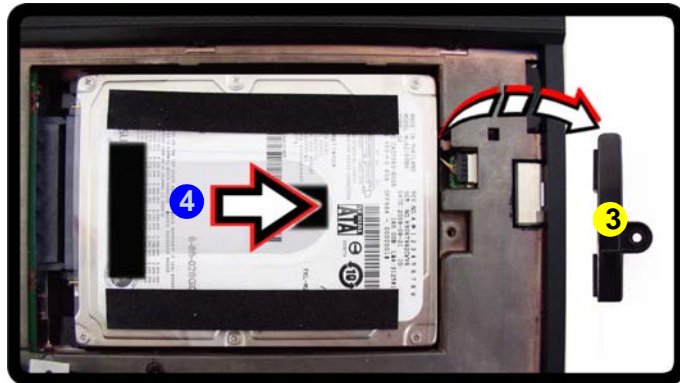
You have backed up any data you want to keep from your old HDD.

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

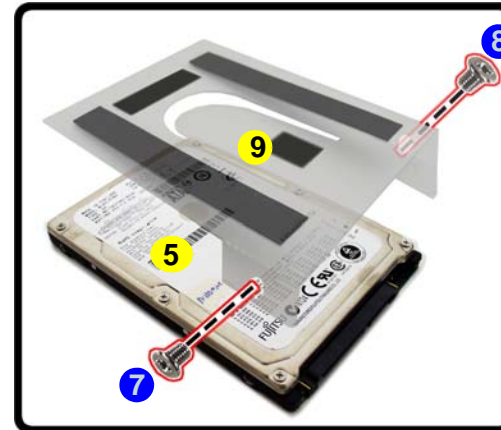
If you have access to the internet, download the latest application and hardware driver updates for the operating system you plan to install. Copy these to a removable medium.

3. Remove the HDD support module **3** (*Figure 7b*).
4. Grip the mylar cover and slide the hard disk in the direction of arrow **4** (*Figure 7b*).
5. Lift the hard disk **5** out of the bay **6** (*Figure 7c*).
6. Remove the screws **7** - **8** and adhesive mylar cover **9** from the hard disk **5** (*Figure 7d*).
7. Reverse the process to install a new hard disk (do not forget to replace all the screws and cover).

b.



d.



c.

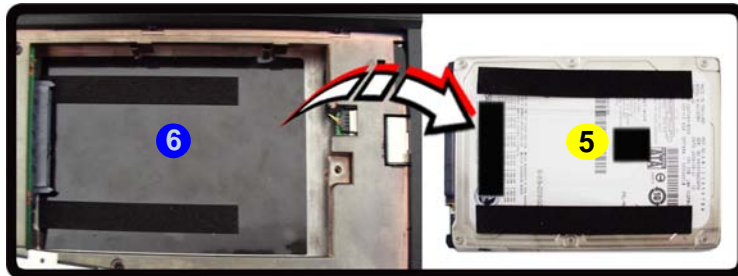


Figure 7
**HDD Assembly
Removal (cont'd.)**

- b. Remove the HDD support module. Grip the mylar cover and slide the HDD in the direction of the arrow.
- c. Lift the HDD assembly out of the bay.
- d. Remove the screws and adhesive cover.



- 3. HDD Support Module
- 5. HDD
- 9. Adhesive Mylar Cover
- 2 Screws

Disassembly

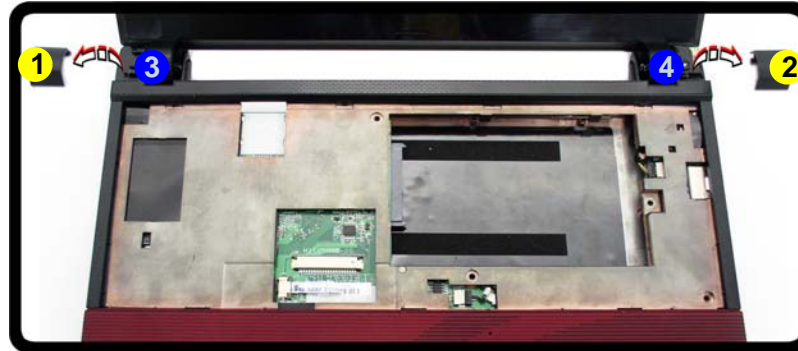
Figure 8
**Bluetooth Module
Removal**

- a. Remove the hinge covers.
- b. Remove the top case's screws and disconnect cables.

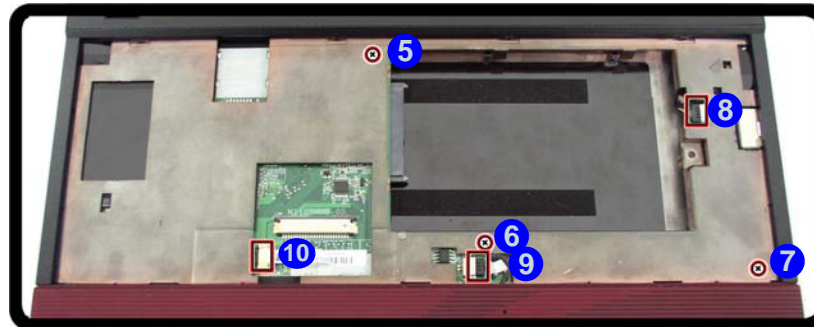
Removing the Bluetooth Module

1. Turn **off** the computer, remove the battery ([page 2 - 5](#)), remove the keyboard ([page 2 - 9](#)), remove the HDD ([page 2 - 10](#)).
2. Remove hinge covers **1** and **2** in the direction of the arrows **3** - **4** ([Figure 8a](#)).
3. Remove the top case's screws **5** - **7** and disconnect cables **8** - **10** ([Figure 8b](#)).

a.



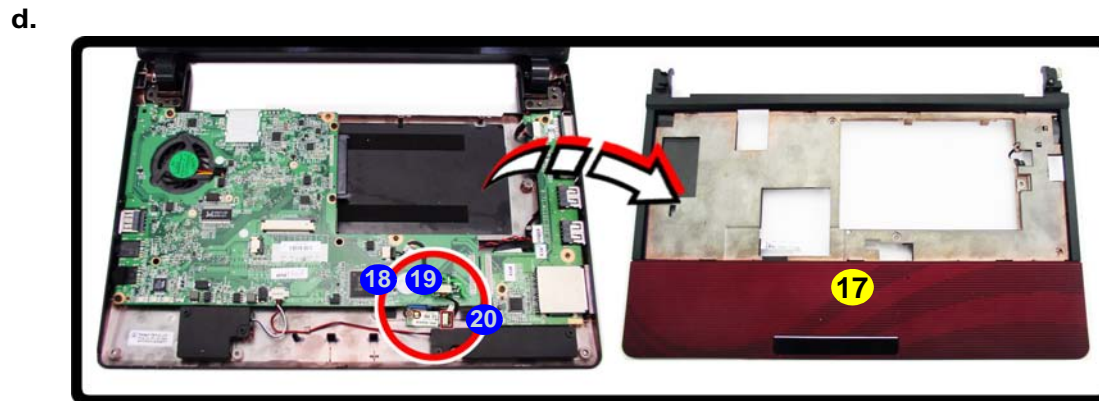
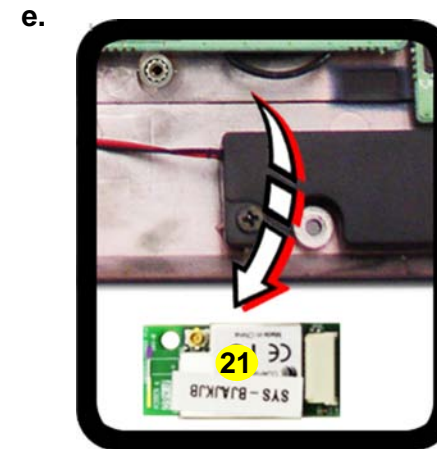
b.



1. & 2. Hinge Covers

- 3 Screws

4. Turn over the computer and remove the bottom case's screws 11 - 16 (Figure 9c).
5. Turn over the computer again and carefully lift the top case 17 up and off the computer (Figure 9d).
6. Remove screw 18 from the Bluetooth module and disconnect connector 19 and cable 20 (Figure 9d).
7. Carefully lift the Bluetooth module 21 up and off the computer (Figure 9e).



- c. Turn over the computer and remove the bottom case's screws.
- d. Turn over the computer again and carefully lift the top case up and off the computer. Remove screw from the module and disconnect the cable and the connector.
- e. Lift the Bluetooth module up and off the computer.



17. Top Case
21. Bluetooth Module

- 7 Screws

Appendix A:Part Lists

This appendix breaks down the *M1110Q/M1110Q-C* 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 Lists

Parts List Illustration Location

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

Table A - 1

**Parts List Illustration
Location**

Parts	M1110Q/M1110Q-C
Top	<i>page A - 3</i>
Bottom	<i>page A - 4</i>
LCD	<i>page A - 5</i>

Top

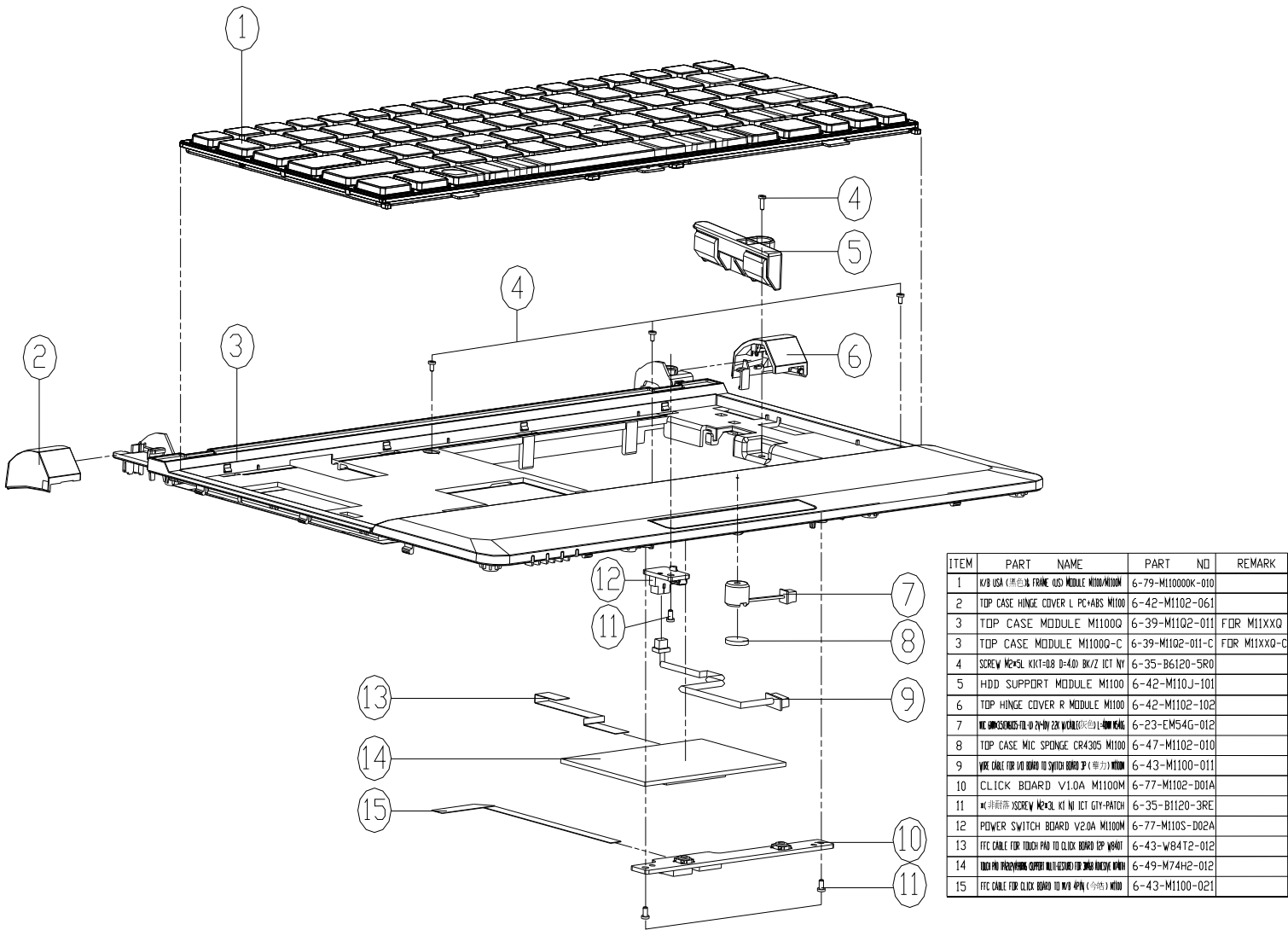


Figure A - 1
Top

A.Part Lists

Bottom

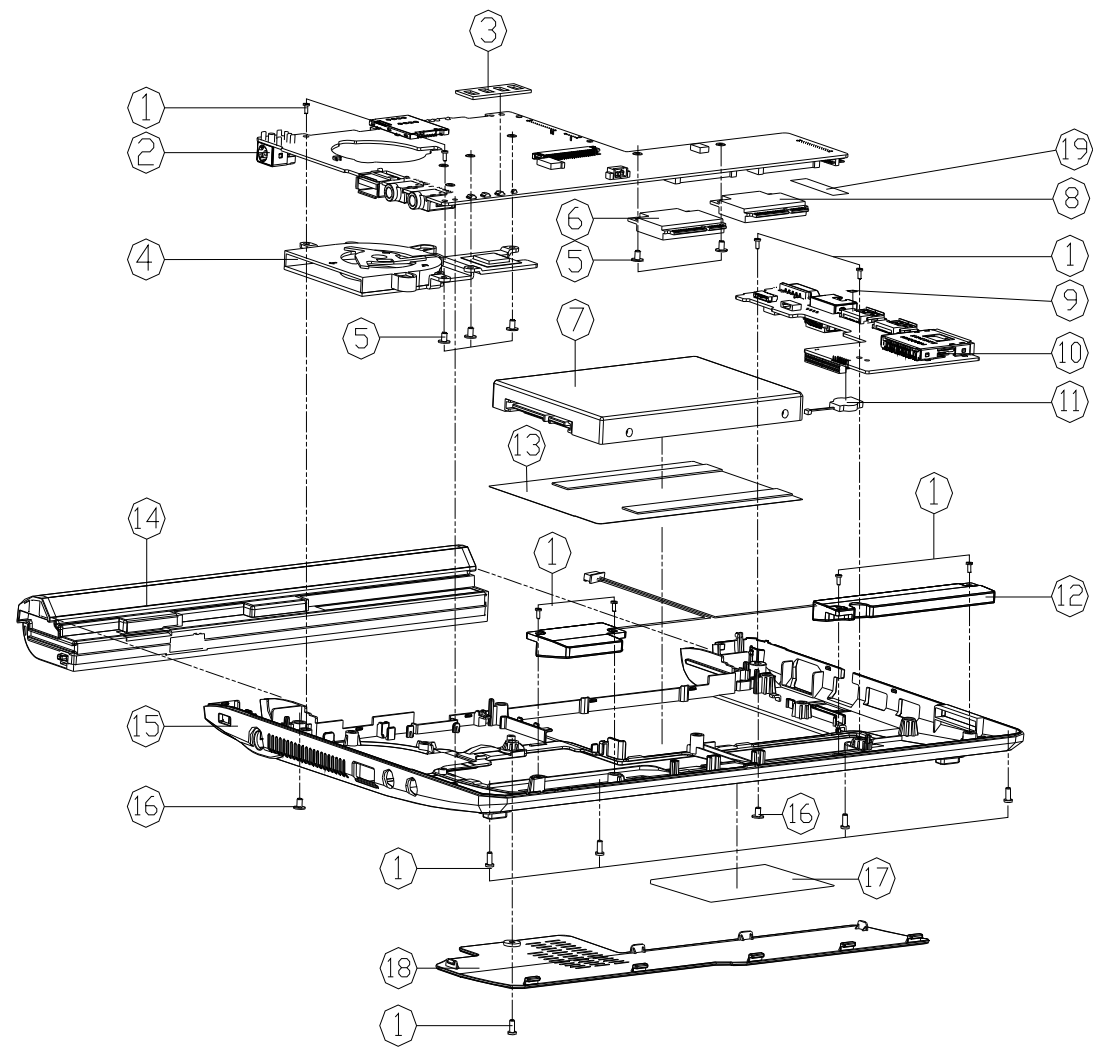


Figure A - 2
Bottom

ITEM	PART NAME	PART NO.	REMARK
1	SCREW M2xSL KIT+88 D=4.0 BK/Z ICT NY	6-35-B6120-5R0	
2	MAIN BOARD V2.0AKW/3G M100M	6-77-M1100-D02A	FDR M1100/Q
2	MAIN BOARD V2.0AKW/D 3G M100M	6-77-M1100-D02A-1	FDR M1100/Q
2	MAIN BOARD V2.0K/W/3G M1110	6-77-M1110-D02	FDR M1110/Q
2	MAIN BOARD V2.0K/W/D 3G M1110	6-77-M1110-D02-1	FDR M1110/Q
3	M/B LED SPONGE CR4305 M100	6-47-M110S-030	
4	FAN+CPU HEATSINK MODULE M100M	6-31-M110N-103	
5	SCREW M2xSL KIT NY ICT G1Y-PATCH	6-35-B1120-3RE	
6	W/O HDD ASS'Y M1100	6-88-S110W-B810	(OPTION)
7	W/O HDD ASS'Y M1100	6-79-M10000-J-010	
8	GASKET (5*3*0.3T) FDR RJ45 M1100	6-88-W76C2-7001	(OPTION)
8	GASKET (5*3*0.3T) FDR RJ45 M1100	6-88-W76C2-B702	(OPTION)
9	GASKET (5*3*0.3T) FDR RJ45 M1100	6-47-00190-05M	
10	I/O BOARD V2.0A M1100M	6-77-M1101-D02A	FDR M1100/Q
10	I/O BOARD V2.0 M1110	6-77-M1111-D02	FDR M1110/Q
11	BAT. 2000mAh V-CABLE 62MM MCR032V6	6-23-22015-POD	
12	SATA HDD MYLAR PET M1100	6-23-SM110-011	
13	SATA HDD MYLAR PET M1100	6-40-M110J-011	
14	RAM COVER PC+ABS M1100	6-87-M110S-4D41	(OPTION)
14	RAM COVER PC+ABS M1100	6-87-M110S-4DF1	(OPTION)
14	RAM COVER PC+ABS M1100	6-87-M110S-4RF1	(OPTION)
15	BOTTOM CASE ASS'Y M1100	6-39-M1103-012	FDR M11XX
15	BOTTOM CASE ASS'Y M1100-C	6-39-M1103-011-C	FDR M11XX-C
16	SCREW M2xSL KIT+85 D=4.5 BK/Z ICT	6-35-B6125-4R0	
17	PRODUCT LABEL FDR M1100	6-45-M1100003-010	
17	PRODUCT LABEL FDR M1100M	6-45-M1100M03-010	
17	PRODUCT LABEL FDR M1101	6-45-M1101003-010	
17	PRODUCT LABEL FDR M1110	6-45-M1110003-010	
17	PRODUCT LABEL FDR M1110Q	6-45-M1110003-010	
17	PRODUCT LABEL FDR M1100Q	6-45-M1100003-010	
17	PRODUCT LABEL (TERRAAXID) M100Q	6-45-M1100003-5L0	
17	PRODUCT LABEL FDR M1110M	6-45-M1110M03-010	
18	RAM COVER PC+ABS M1100	6-42-M1103-012	FDR M11XX
18	RAM COVER PC+ABS M1100-C	6-42-M1103-011-C	FDR M11XX-C
19	MYLAR (22*85*0.2MM) FDR M1000-C CONN	6-40-00150-224	

LCD

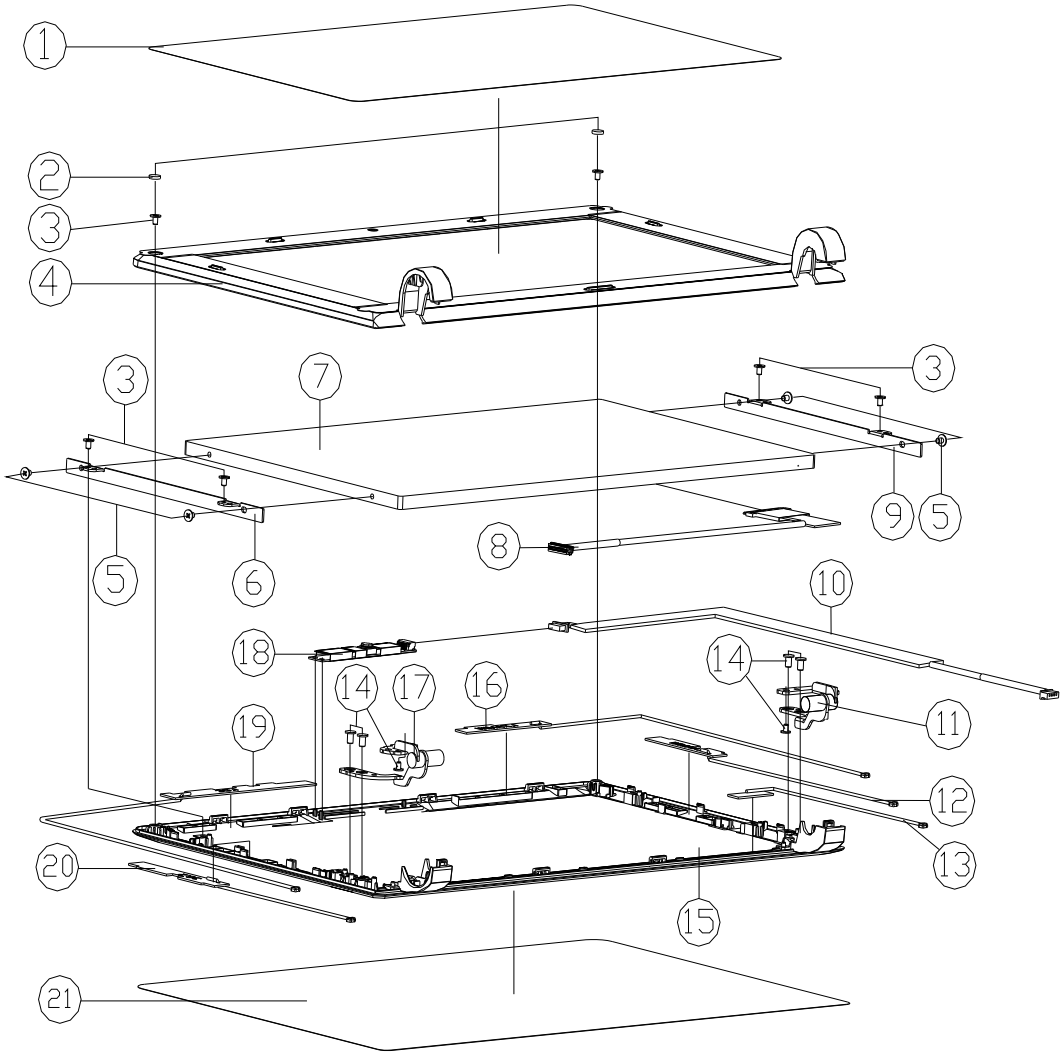


Figure A - 3
LCD

ITEM	PART NAME	PART NO	REMARK
1	LCD PROTECT MYLAR (PET) 3M8915) M100	6-40-M1101-010	
2	LCD FRONT COVER RUBBER A SILICONE M100	6-47-M1101-021	
3	SCREW M2x2.5L KI BK/2 ICT GY-PATCH	6-35-B1120-3RE	
4	LCD FRONT COVER MODULE M100Q	6-39-M1101-011	
5	LCD FRONT COVER MODULE OPT TERAHEDRY AND RIB M100	6-39-M1101-011-A	
6	SCREW M2x2.5L KI BK/2 ICT NY#35 T=0.3	6-35-B6120-2RB	
7	LCD BRACKET-L SECC M100Q	6-33-M1101-021	
8	LCD TOP POLY CARBON M100Q GLUE TYP D252-002	6-50-E D252-V00	
9	LCD BRACKET-R SECC M100Q	6-43-M1101-011-A	
10	WIRE CABLE FOR CCD TO I/O BOARD SP ONLY M100	6-43-M1101-012	
11	LCD HINGE R K7 M100M	6-33-M1101-012	
12	ANTENNA VIBRA 24G/25G PCB 30MM H=0.6MM VGT M100	6-23-7M110-021	
13	ANTENNA BLUE/WHITE VGT M1 PCB H=0.6MM 24G M100	6-23-7M110-050	
14	SCREW M2.5x4L KIKT-05 D=4.5 BK/2 ICT	6-35-B6125-4R0	
15	LCD IMR BACK COVER MODULE M100Q	6-39-M1101-021	FOR M100Q
16	LCD IMR BACK COVER MODULE M100Q-C	6-39-M1101-021-C	FOR M100Q-C
17	LCD IMR BACK COVER MODULE OPT TERAHEDRY AND RIB M100-E	6-39-M1101-021-AC	FOR M100Q-C
18	ANTENNA VIBRA 24G/25G PCB 30MM H=0.6MM VGT M100	6-23-7M110-011	
19	LCD HINGE L K7 M100	6-33-M1101-022	
20	UVC CAMERA SIMPLD FOR COPILOT 300K DV7675 M100	6-88-M110C-9001	OPTION
21	ANTENNA HSPA PCB 36.2 235MM H=0.6MM VGT M100	6-23-7M110-031	
22	ANTENNA HSPA PCB 36.2 235MM H=0.6MM VGT M100	6-23-7M110-041	
23	LCD BACK COVER PROTECT MYLAR(BK25) M100Q	6-40-M1101-050	
24	LCD BACK COVER PROTECT MYLAR 885 M100	6-40-M1111-010	

Appendix B: Schematic Diagrams

This appendix has circuit diagrams of the *M1110Q/M1110Q-C* notebook's PCB's. The following table indicates where to find the appropriate schematic diagram.

Table B - 1
**SCHEMATIC
DIAGRAMS**

Diagram - Page	Diagram - Page	Diagram - Page
<i>System Block Diagram - Page B - 2</i>	<i>Tigerpoint Part D - Page B - 11</i>	<i>PWR 1.5V, 0.75V - Page B - 20</i>
<i>Pineview CPU Part-D - Page B - 3</i>	<i>Tigerpoint Part E-F - Page B - 12</i>	<i>PWR 0.89V, 1.05VS, 1.5VS - Page B - 21</i>
<i>Pineview CPU Part A-C-F - Page B - 4</i>	<i>USB, Panel, HDD, LED - Page B - 13</i>	<i>PWR VCORE - Page B - 22</i>
<i>Pineview CPU Part B - Page B - 5</i>	<i>BTB, 3G, WLAN, BT - Page B - 14</i>	<i>CRT - Page B - 23</i>
<i>Pineview CPU Part E - Page B - 6</i>	<i>Audio Codec VT1812 - Page B - 15</i>	<i>Card Reader (with LAN) JMB261 - Page B - 24</i>
<i>DDRIII SO-DIMM_0 - Page B - 7</i>	<i>KBC-ITE IT8502E-J, TP, LID - Page B - 16</i>	<i>BTB, USB, CCD, PWR SW - Page B - 25</i>
<i>Clock Generator - Page B - 8</i>	<i>PWR AC_IN, Charge - Page B - 17</i>	<i>Click Board - Page B - 26</i>
<i>Tigerpoint Part A-B - Page B - 9</i>	<i>PWR SW, 1.8VS, 3VS, 5VS, 1.5VS - Page B - 18</i>	<i>Power Button Board - Page B - 27</i>
<i>Tigerpoint Part C - Page B - 10</i>	<i>PWR VDD3, 3.3V, 5V, SYS 15V - Page B - 19</i>	

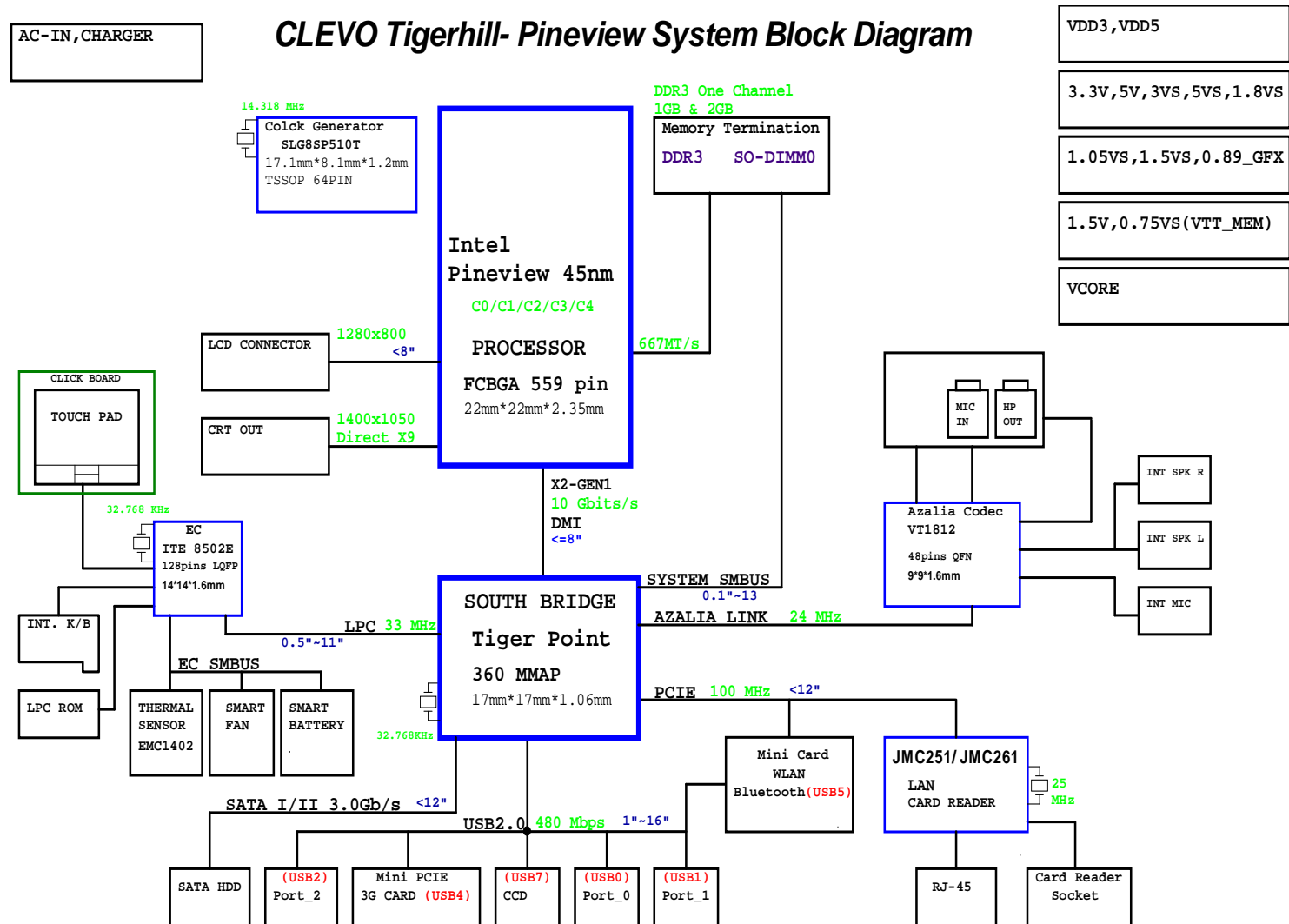


Version Note

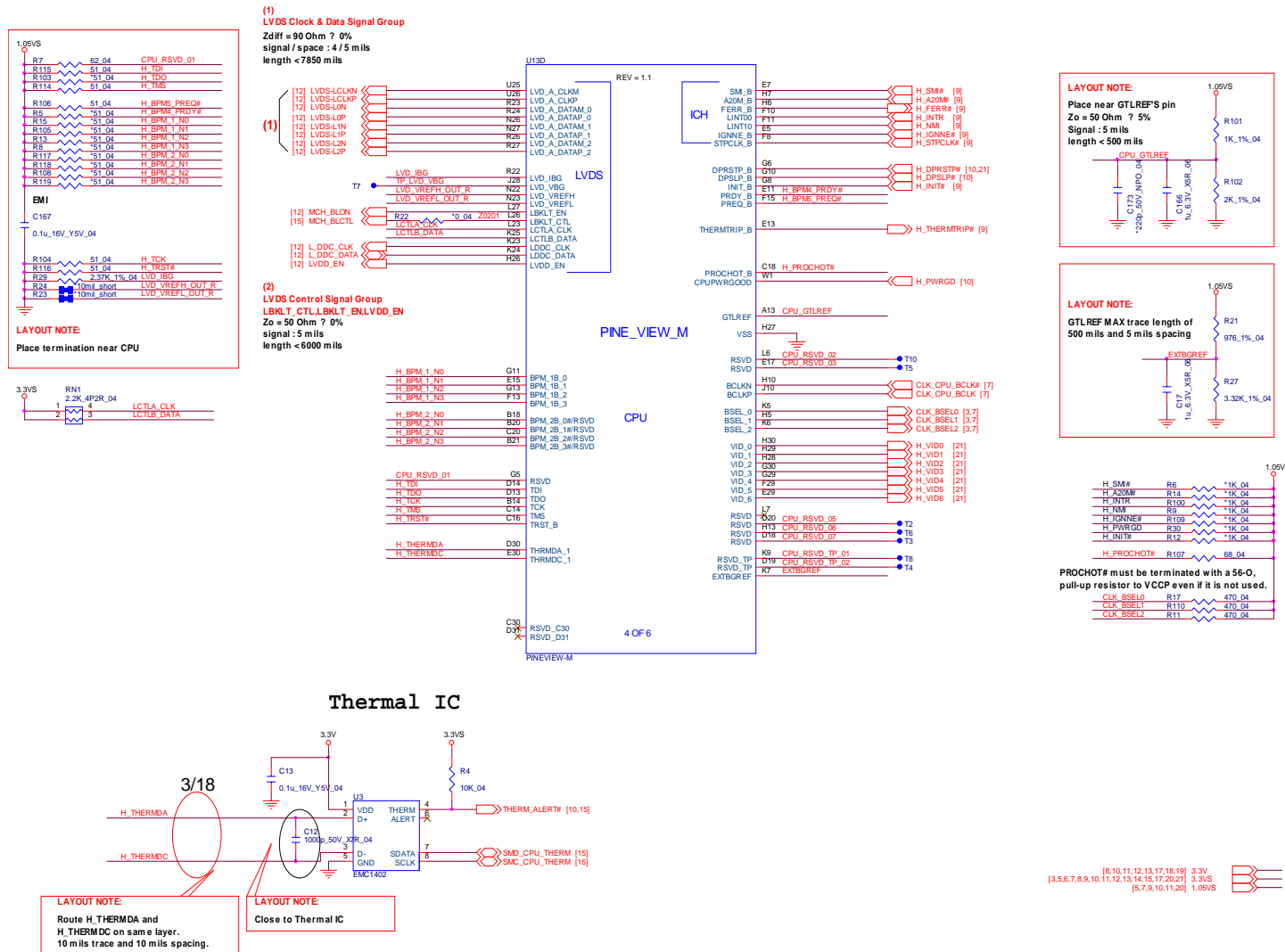
The schematic diagrams in this chapter are based upon version 6-7P-M1114-001. If your main-board (or other boards) are a later version, please check with the Service Center for updated diagrams (if required).

System Block Diagram

Sheet 1 of 26
System Block
Diagram



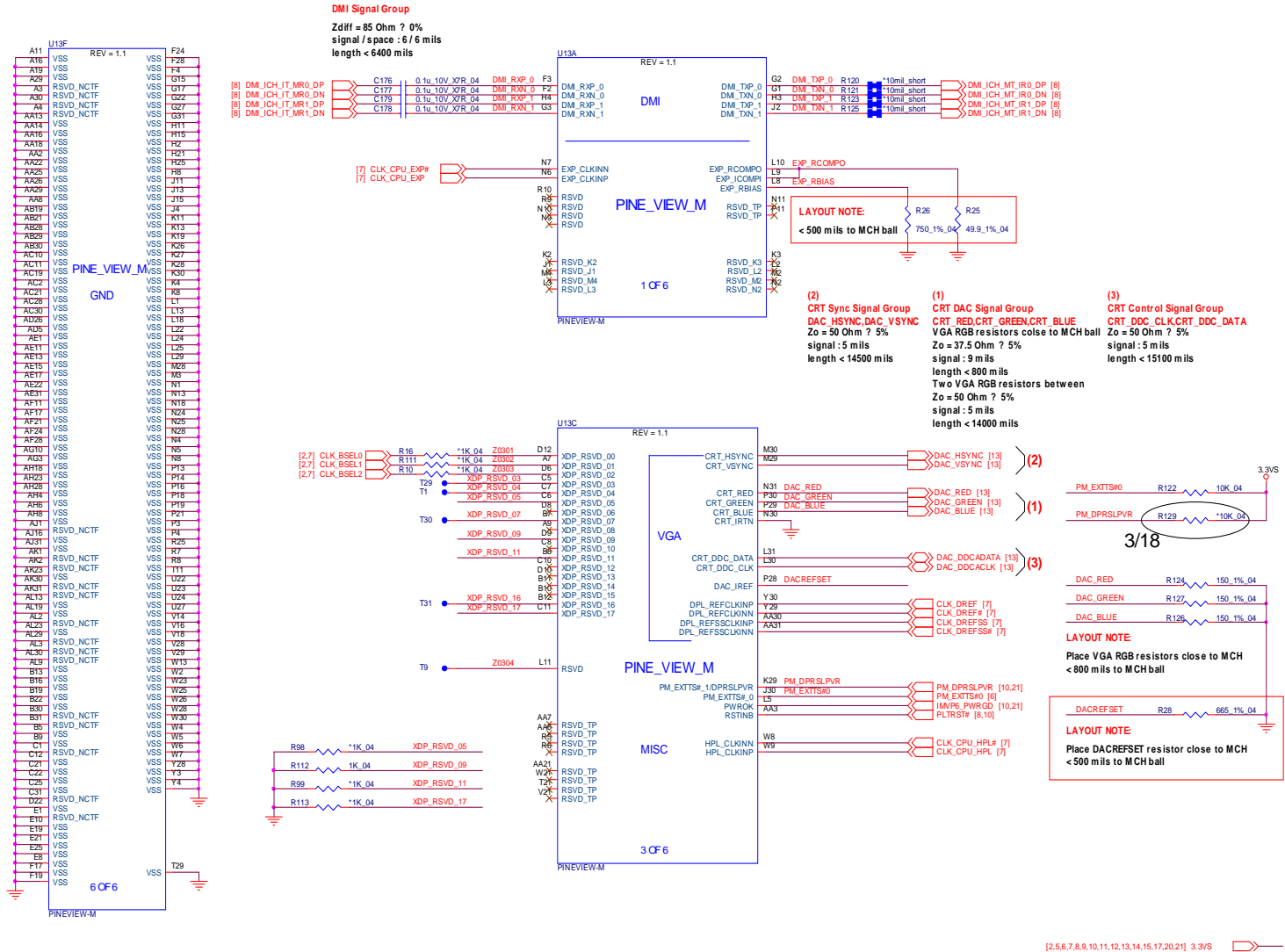
Pineview CPU Part-D

Sheet 2 of 26
Pineview CPU Part-D

Schematic Diagrams

Pineview CPU Part A-C-F

Sheet 3 of 26
Pineview CPU Part
A-C-F



LAYOUT NOTE:
Place resistors and CAP close to DDR_VREF pin

1.5V

R132 1K, 1%_04

MCH_VREF

R130 1K, 1%_04

C104 0.1u, 50V_X7R_04

LAYOUT NOTE:
Place resistors and CAP close to DDR_RPU pin

1.5V

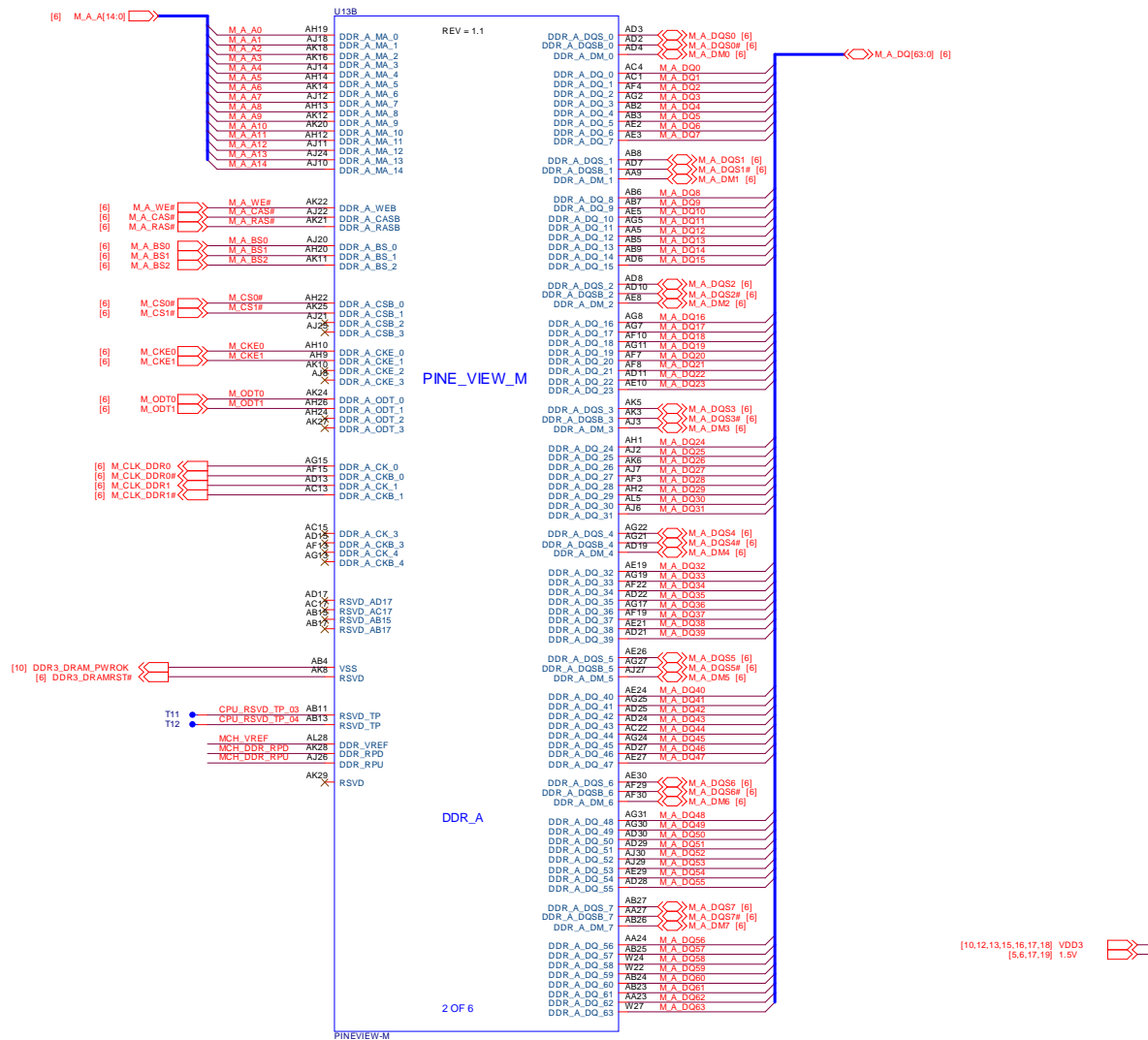
R34 80.6, 1%_04

MCH_DDR_RPU

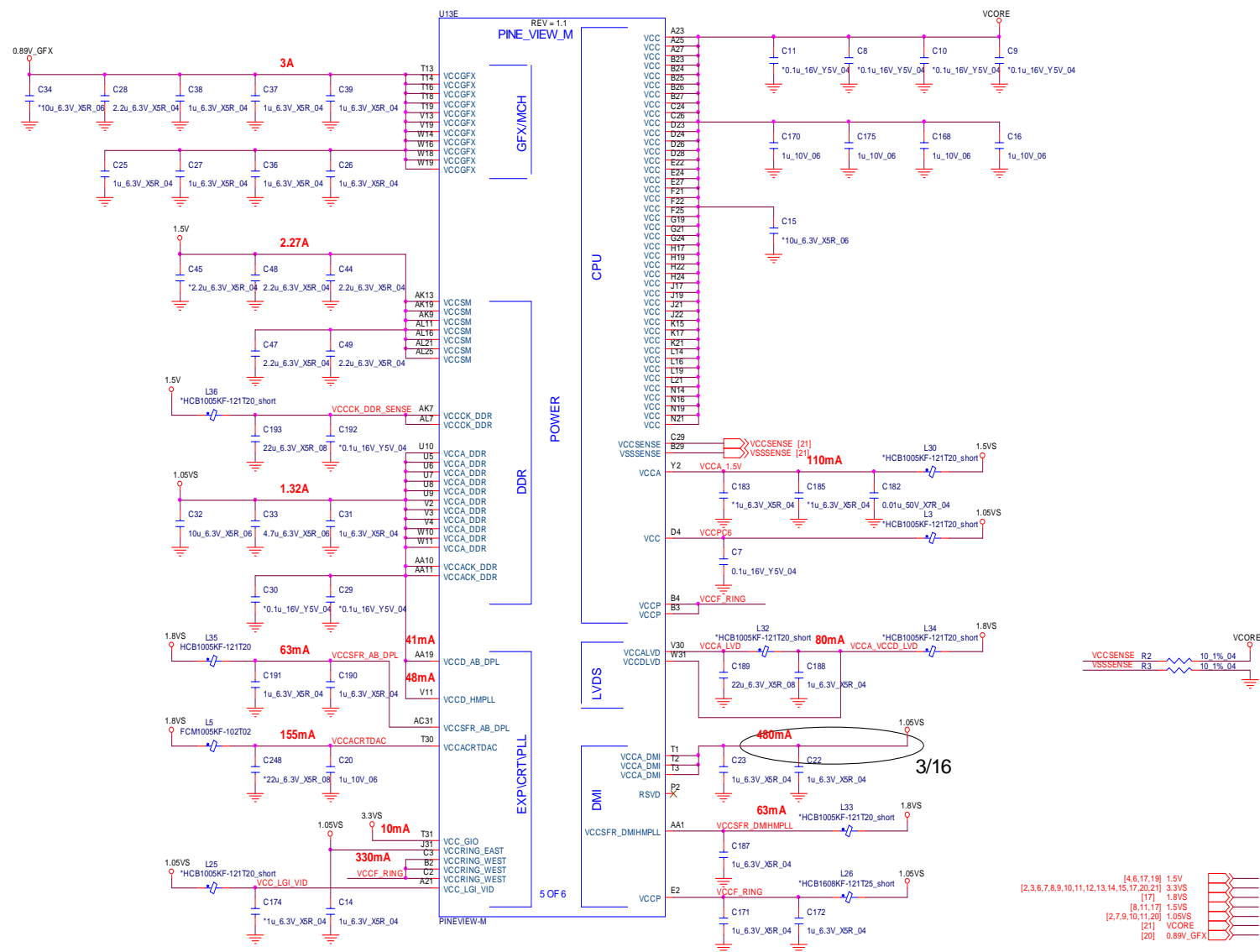
C50 0.01u, 50V_X7R_04

R131 80.6, 1%_04

MCH_DDR_RPD



Sheet 5 of 26
Pineview CPU Part
E

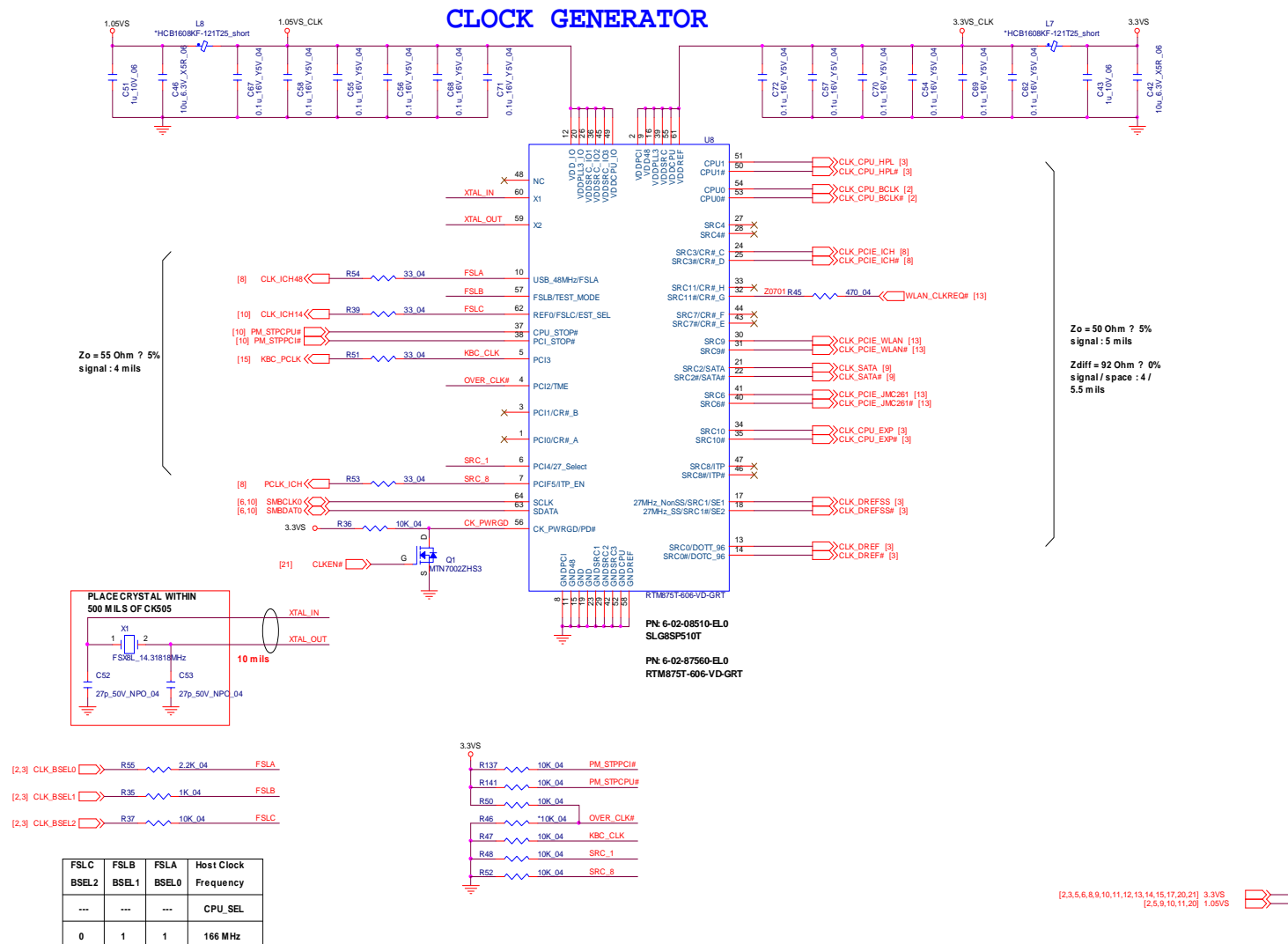


SO-DIMM 0

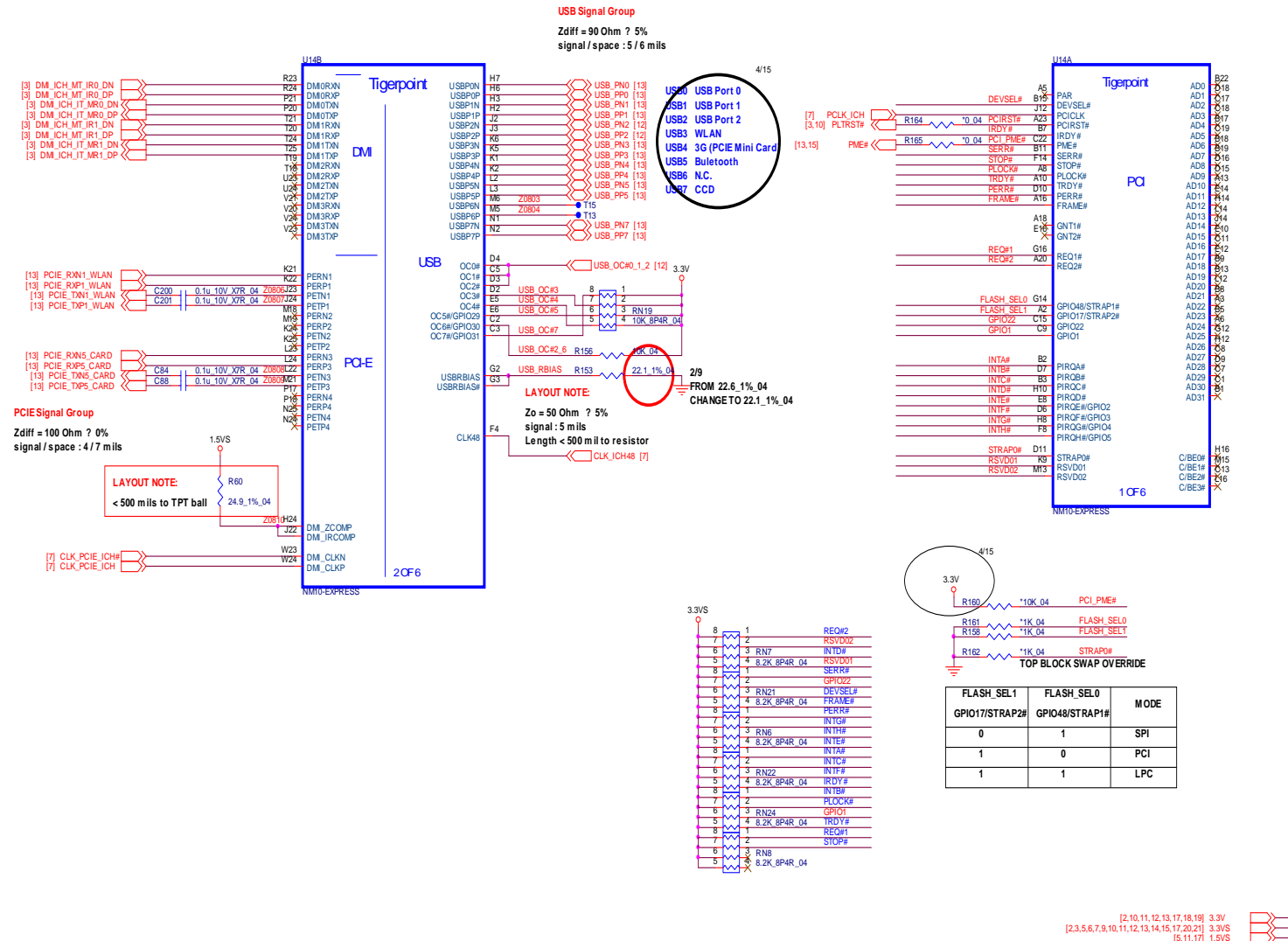


Clock Generator

Sheet 7 of 26
Clock Generator



Tigerpoint Part A-B

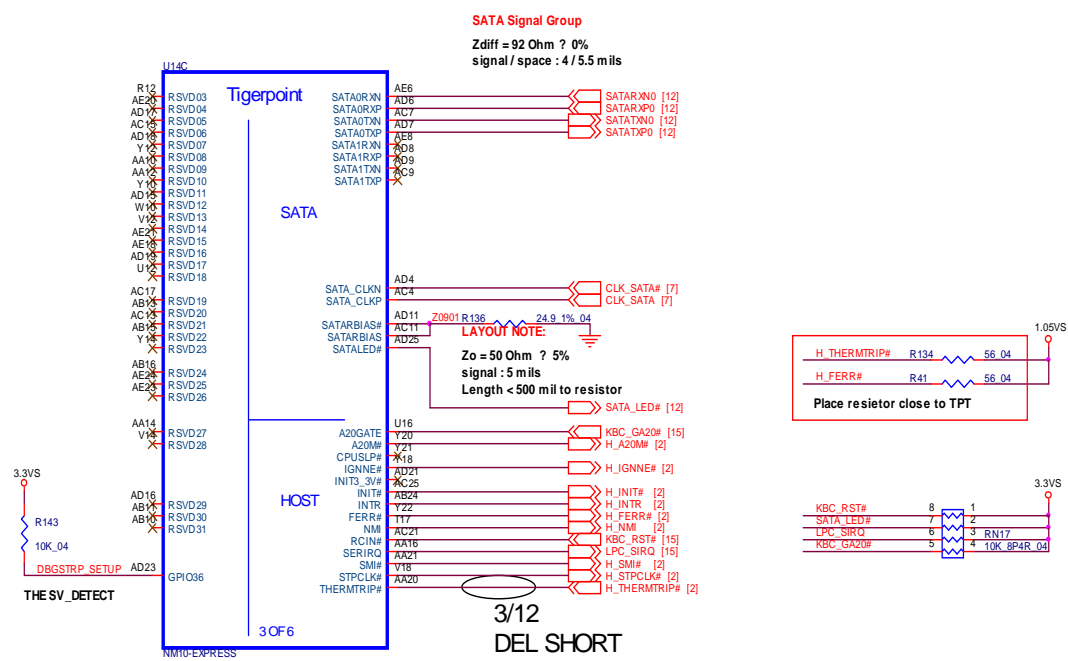


Sheet 8 of 26
 Tigerpoint Part A-B

Schematic Diagrams

Tigerpoint Part C

Sheet 9 of 26
Tigerpoint Part C



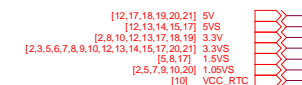
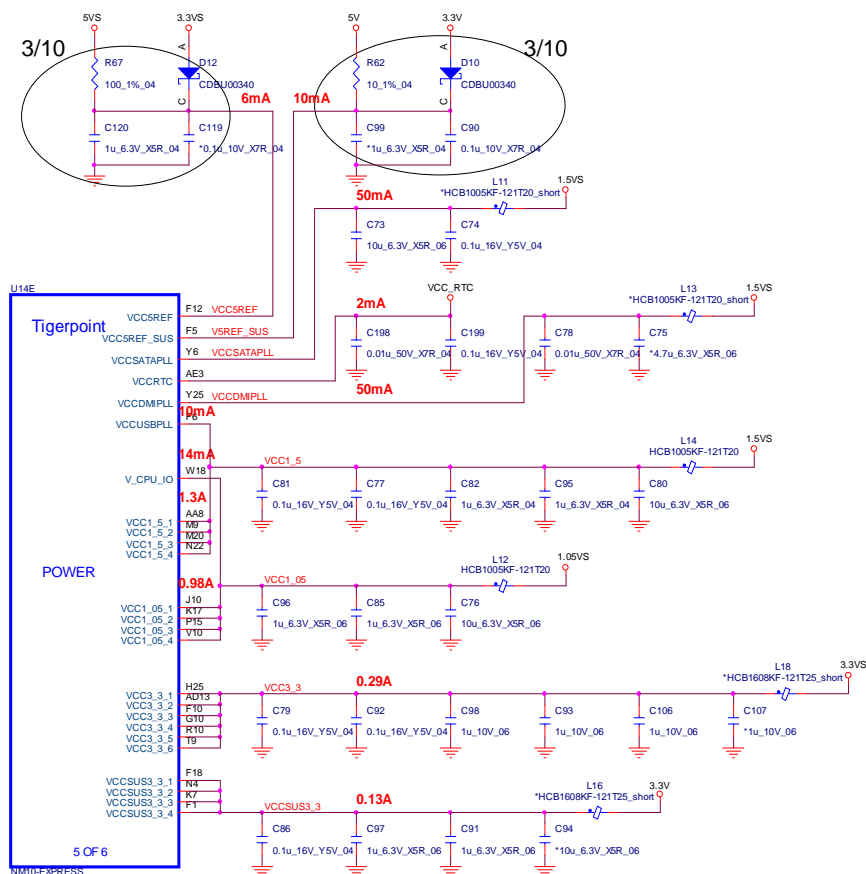
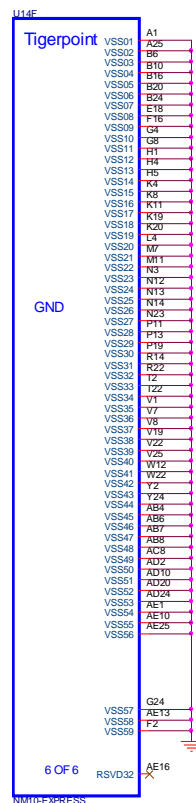
[2,3,5,6,7,8,10,11,12,13,14,15,17,20,21] 3.3VS
[2,5,7,10,11,20] 1.05VS

B.Schematic Diagrams

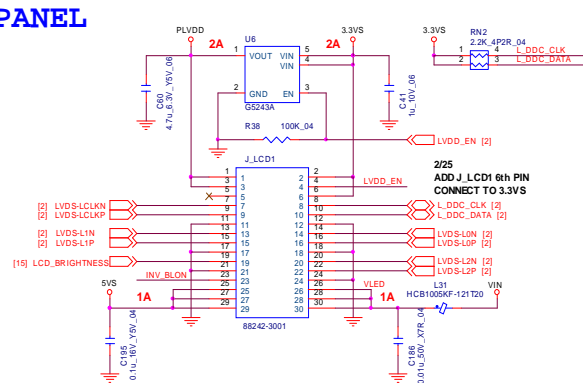
[illegible]

B.Schematic Diagrams

Sheet 11 of 26
Tigerpoint Part E-F



PANEL



PORT_2

USBVCC

60mils

C263 100nF 5V_B_A

C264 100nF 5V_B_A

R211 0.04

R210 0.04

R205 10k

R186 0.04

4/15

4/15

100mils

PORT 2

USB1

V+

DATA_L

DATA_H

1

2

3

4

GND

USB4036S CA074

PK 6-21: B4960-104
C10753-10403-Y
PK 6-21: B4940-104
USB4036S CA074

8] USB_PN2 <=>

8] USB_PP2 <=>

8] USB_OC#0_1,2 <=>

16] DO_ON# <=>

The schematic diagram illustrates the logic circuit for a 16-bit parallel adder. It features four 74LVC08PW inverters (labeled USA, USB, USC, and USD) and two 74LVC08PW NAND gates (labeled Z1307 and Z1305). The circuit is powered by a 3.3V supply. Inputs include SB_BLOn, BKL_EN, MCH_BLOn, LID_SWp, ICH_PWROK, and a 3.3V supply. Outputs include C61, C59, and INV_BLOn. Resistors R33, R32, R31, Z1305, and Z1306 are shown with values like 100k, 0.4, and 100p.

POWER LED

LED08 (RED) and LED07 (RED) are connected to VDD3 (3.3V) through resistors R97 (220_04) and R95 (220_04) respectively. The LEDs are connected to ground through a diode D5 (KP-3025Y SGC). The LED_PWR# [15] and LED_ACIN# [15] pins are connected to the LEDs.

BAT LED

LED10 (RED) and LED09 (RED) are connected to VDD3 (3.3V) through resistors R182 (220_04) and R176 (220_04) respectively. The LEDs are connected to ground through a diode D6 (KP-3025Y SGC). The LED_BAT_FULL# [15] and LED_BAT_CHG# [15] pins are connected to the LEDs.

WLAN/BT LED

LED03 (RED) and LED01 (RED) are connected to 3.3VS through resistors R181 (220_04) and R175 (220_04) respectively. The LEDs are connected to ground through a diode D7 (KP-3025Y SGC). The LED02 (RED) is connected to ground through a diode D8 (KP-2012SGC). The WLAN_EN [13,15] and BT_EN [13,15] pins are connected to the LEDs.

HDD LED

LED05 (RED) and LED06 (RED) are connected to 3.3VS through resistors R180 (220_04) and R176 (220_04) respectively. The LEDs are connected to ground through a diode D8 (KP-2012SGC). The SATA_LED# [9] pin is connected to the LEDs.

HDD

Close to the HDD Connector.

3.3V5

5V5

PN: 6-20-4370-022
323AH22FR10T010CC

194502-1

PIN GND1=+2 GND

323AH22FR10T010CC

SATA-XFP

SATATXP0 [9]
SATATXP1 [9]
SATATXP2 [9]
SATATXP3 [9]
SATATXP4 [9]
SATATXP5 [9]

S1
S2
S3
S4
S5
S6
S7

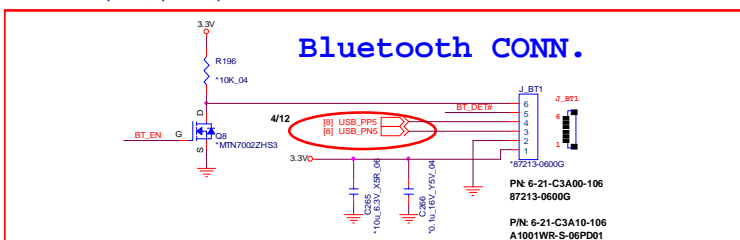
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
P12
P13
P14
P15

Z1301 C40 0.01u 50V X7R 04
Z1302 C35 0.01u 50V X7R 04
Z1303 C21 0.01u 50V X7R 04
Z1304 C19 0.01u 50V X7R 04

C5 0.1u 10V 09_04
C6 1u 10V 08
C7 10u 6.3V 08_06

B.Schematic Diagrams

MINI-PCIE CARD AND Debug Port



3/16

USBVCC 5VS 3.3VS

J.BT1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

PM2300 R

[15] C0D_EN [10,15] BUF_PLT_RST#

CRT_RED CRT_GREEN CRT_BLUE

[3] DAC_HSYNC [4] DAC_VSYNC [5] DAC_D0DAC1 [6] DAC_D0DAC2 [7] BTR#

412 R200 & R201 from 0.4 size change to 0.6

R200 15ml short

20 0.0

3.3V VDD3

USB_PNT# [8] USB_P77 [8] USB_PNO [8] USB_PPO [8] USB_PPI [8] USB_PPI [8]

PCIEX_TPS_CARD [8] PCIEX_TMS_CARD [8]

PCIEX_RXS_CARD [8] PCIEX_TXS_CARD [8]

CLK_PCIE1_JMC261 [7] CLK_PCIE1_JMC261 [7]

POT34R6B00010R PN: C-730-217 POT34R6B00010R

FCM1005MF-400T03 DAC_RED [3] FCM1005MF-400T03 DAC_GREEN [3] C261 22p_50V_NPO_04 C262 22p_50V_NPO_04 C263 22p_50V_NPO_04 C184 22p_50V_NPO_04 C181 22p_50V_NPO_04

3/1

C180,C181,C184,C261,C262,C263

CHANGE FROM 10p_50V_NPO_04 TO 22p_50V_NPO_04

D18 A C SC57S15V-40 R201 10ml short R203 10ml short

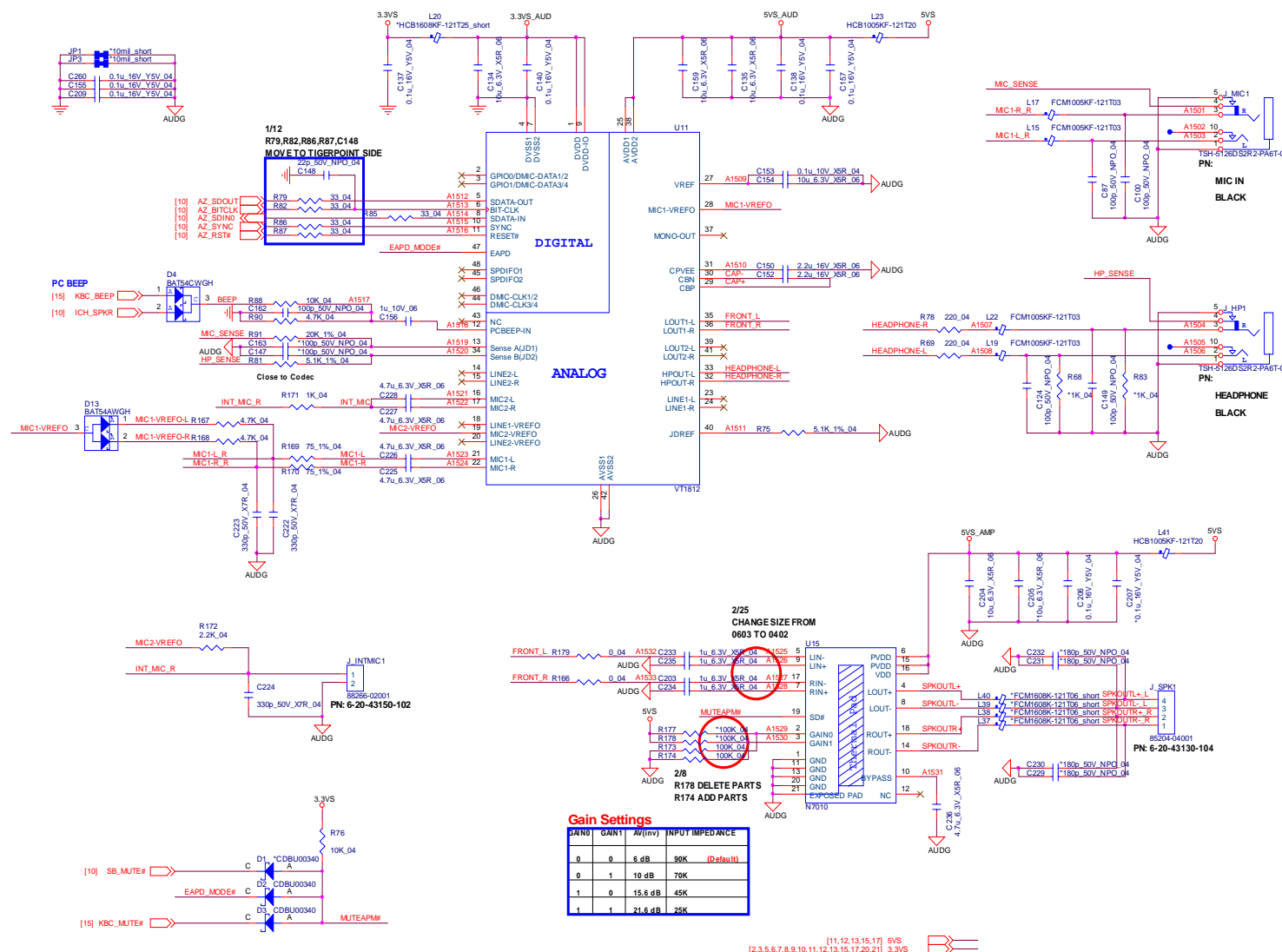
PM2301 R

[10] PCIE_WAKE#

Pin 6-21 and 40-50 connection diagram for the 88910-S204M-01. The diagram shows two rows of pins. The top row (pins 1-16) includes signals like WAKE#, COEX1, COEX2, CLKREQ#, REFCLK+, REFCLK-, REFCLK+, and GND1. The bottom row (pins 17-32) includes GND2, GND3, GND4, GND11, TnTr0, TnTr1, TnTr2, TnTr3, TnTr4, TnTr5, TnTr6, TnTr7, TnTr8, TnTr9, TnTr10, TnTr11, TnTr12, TnTr13, TnTr14, TnTr15, TnTr16, TnTr17, TnTr18, TnTr19, TnTr20, TnTr21, TnTr22, TnTr23, TnTr24, TnTr25, TnTr26, TnTr27, TnTr28, TnTr29, TnTr30, TnTr31, TnTr32, TnTr33, TnTr34, TnTr35, TnTr36, TnTr37, TnTr38, TnTr39, TnTr40, TnTr41, TnTr42, TnTr43, TnTr44, TnTr45, TnTr46, TnTr47, TnTr48, TnTr49, TnTr50, TnTr51, TnTr52, TnTr53, TnTr54, TnTr55, TnTr56, TnTr57, TnTr58, TnTr59, TnTr60, TnTr61, TnTr62, TnTr63, TnTr64, TnTr65, TnTr66, TnTr67, TnTr68, TnTr69, TnTr70, TnTr71, TnTr72, TnTr73, TnTr74, TnTr75, TnTr76, TnTr77, TnTr78, TnTr79, TnTr80, TnTr81, TnTr82, TnTr83, TnTr84, TnTr85, TnTr86, TnTr87, TnTr88, TnTr89, TnTr90, TnTr91, TnTr92, TnTr93, TnTr94, TnTr95, TnTr96, TnTr97, TnTr98, TnTr99, TnTr100. The diagram also shows power supply connections for 3.3V, 1.5V, and 1.8V, and ground connections. A key indicates the pin numbers for the top and bottom rows. A note at the bottom indicates that the pin numbers are for the 88910-S204M-01 and 88910-S204M-01.

[illegible][illegible]

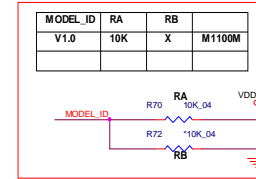
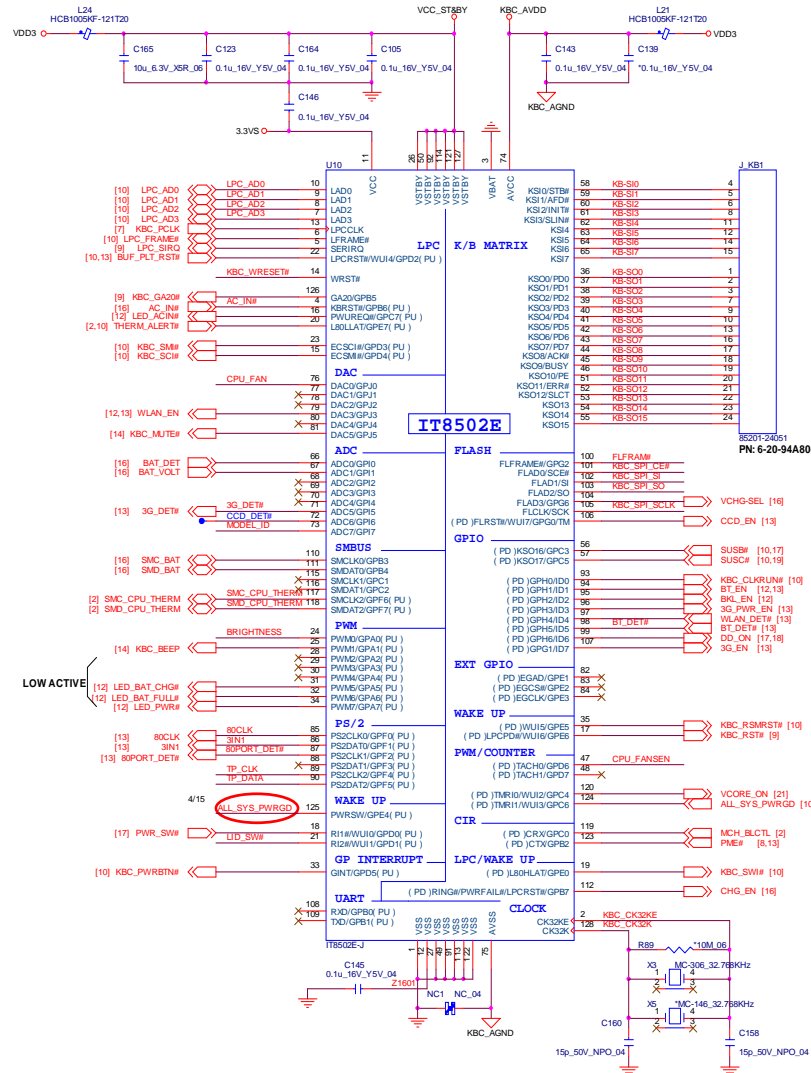
Sheet 14 of 26
Audio Codec
VT1812



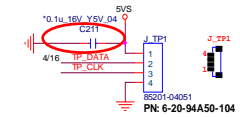
Schematic Diagrams

KBC-ITE IT8502E-J, TP, LID

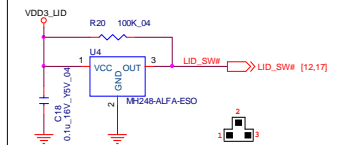
Sheet 15 of 26
KBC-ITE IT8502E-J,
TP, LID



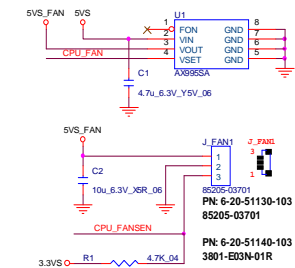
TP CONN.



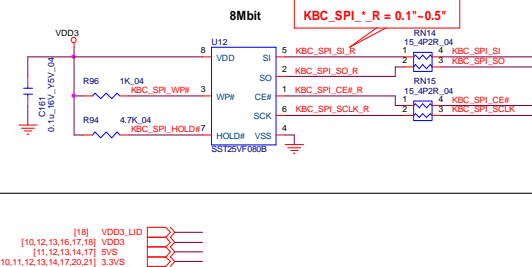
LID SWITCH IC



FAN CONTROL



SPI EEROM



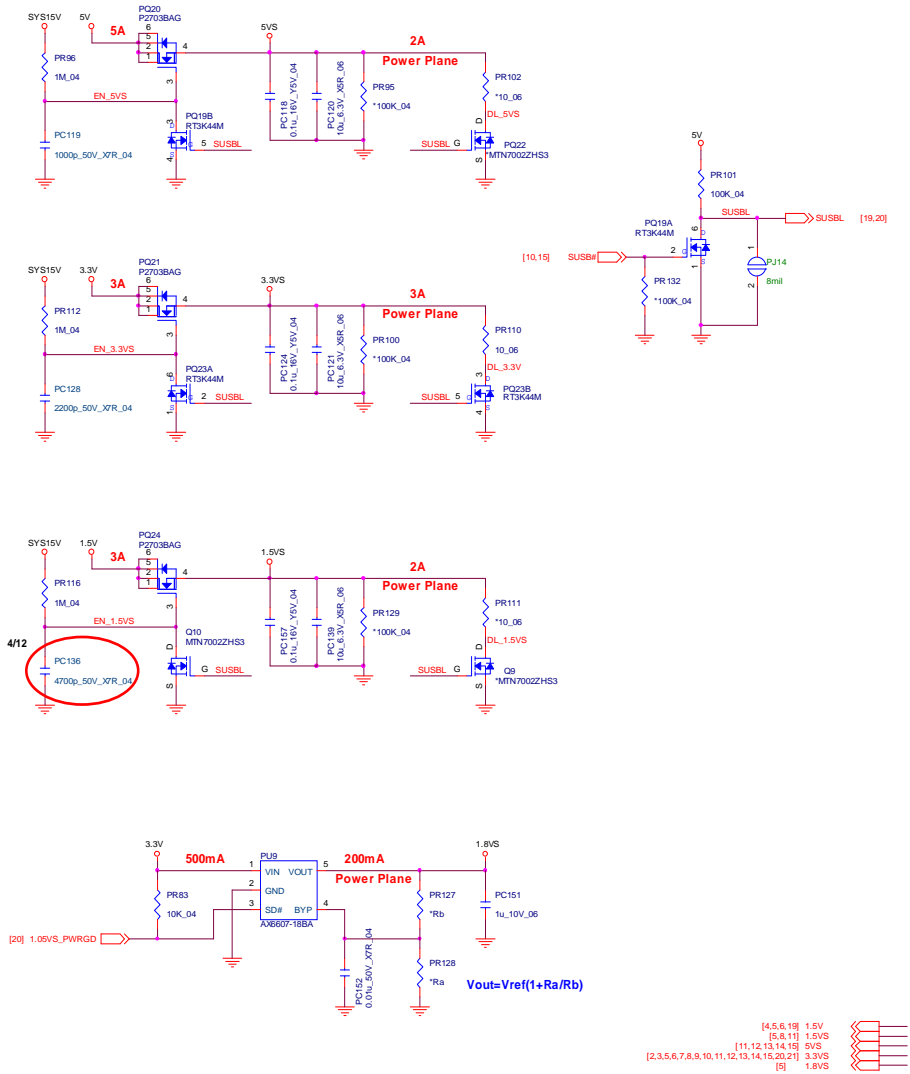
Sheet 16 of 26
PWR AC_IN,
Charge



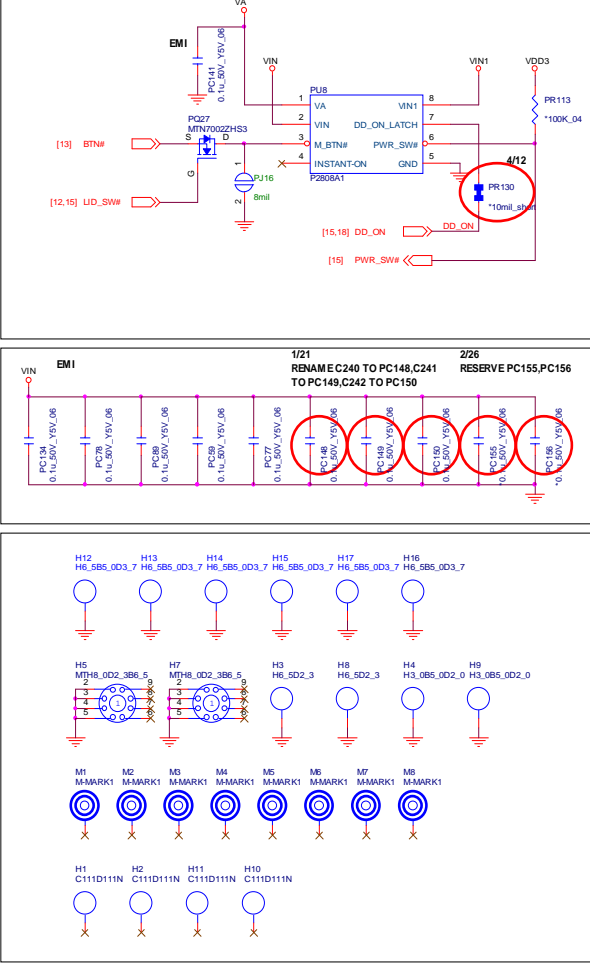
Schematic Diagrams

PWR SW, 1.8VS, 3VS, 5VS, 1.5VS

Sheet 17 of 26
PWR SW, 1.8VS,
3VS, 5VS, 1.5VS

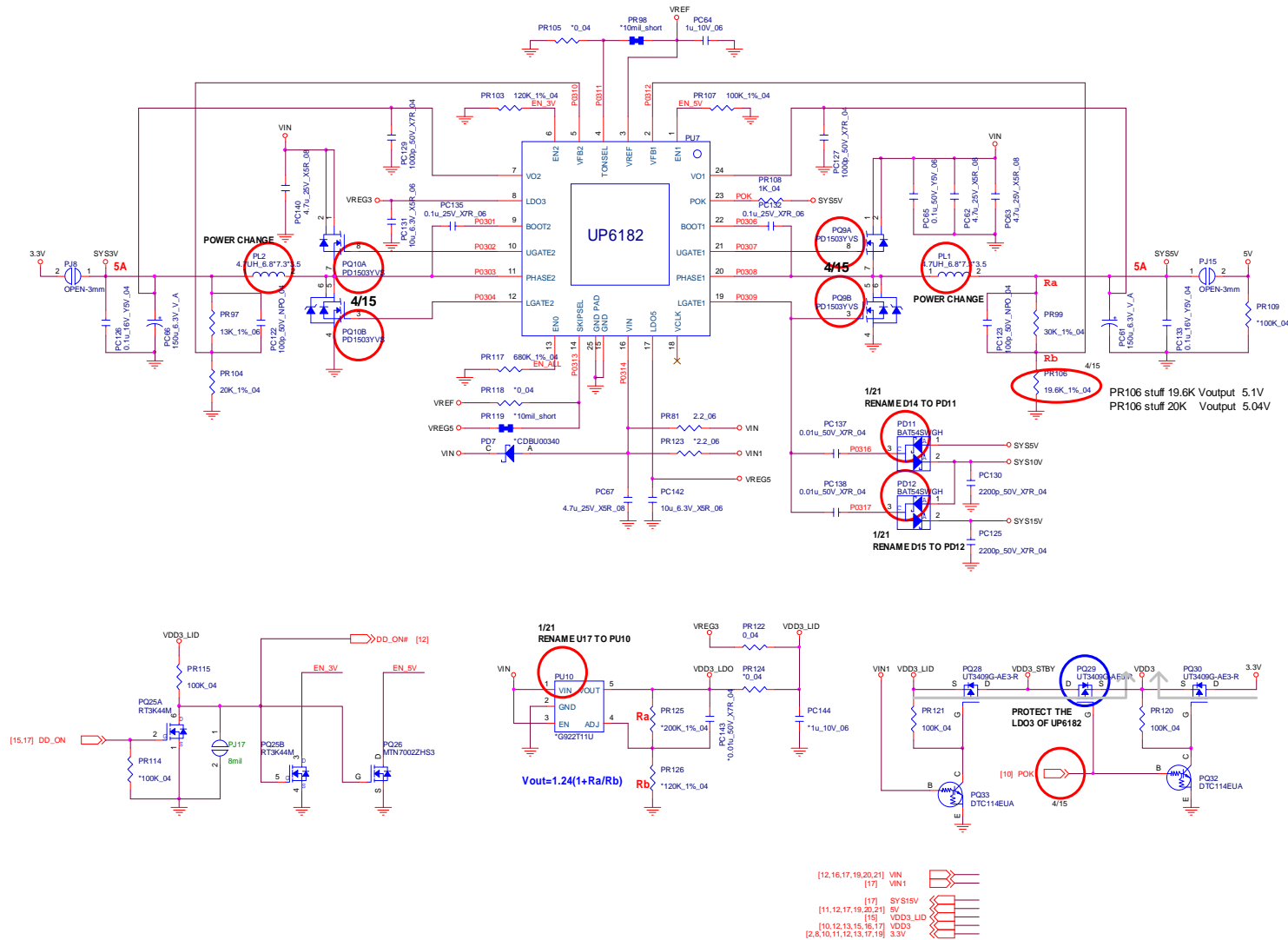


P2808A1



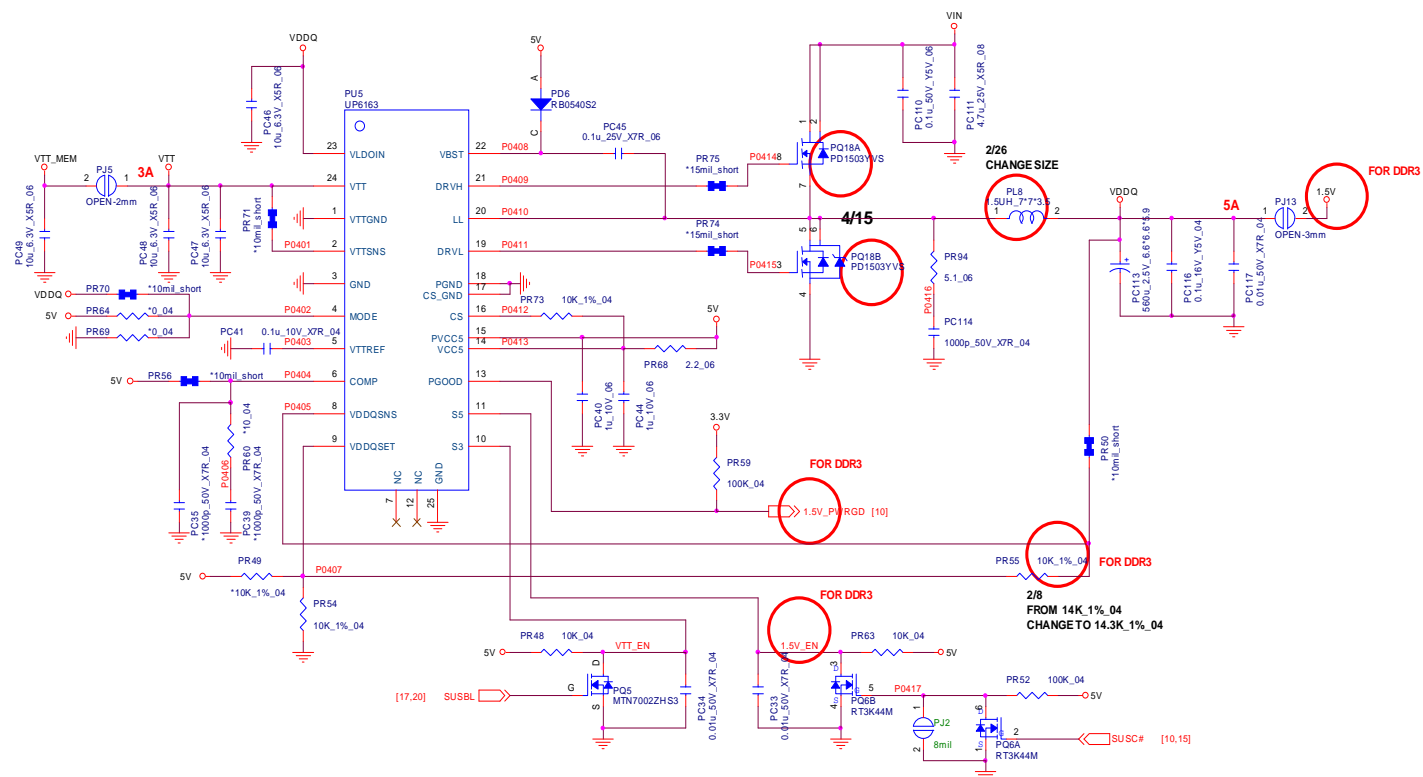
[12,16,18,19,20,21]	VIN
[18]	VIN1
[16]	VA
[16]	SVS15V
[11,12,18,19,20,21]	5V
[10,12,13,15,16,18]	VDD3
[2,8,10,11,12,13,16,18]	3.3V

PWR VDD3, 3.3V, 5V, SYS 15V

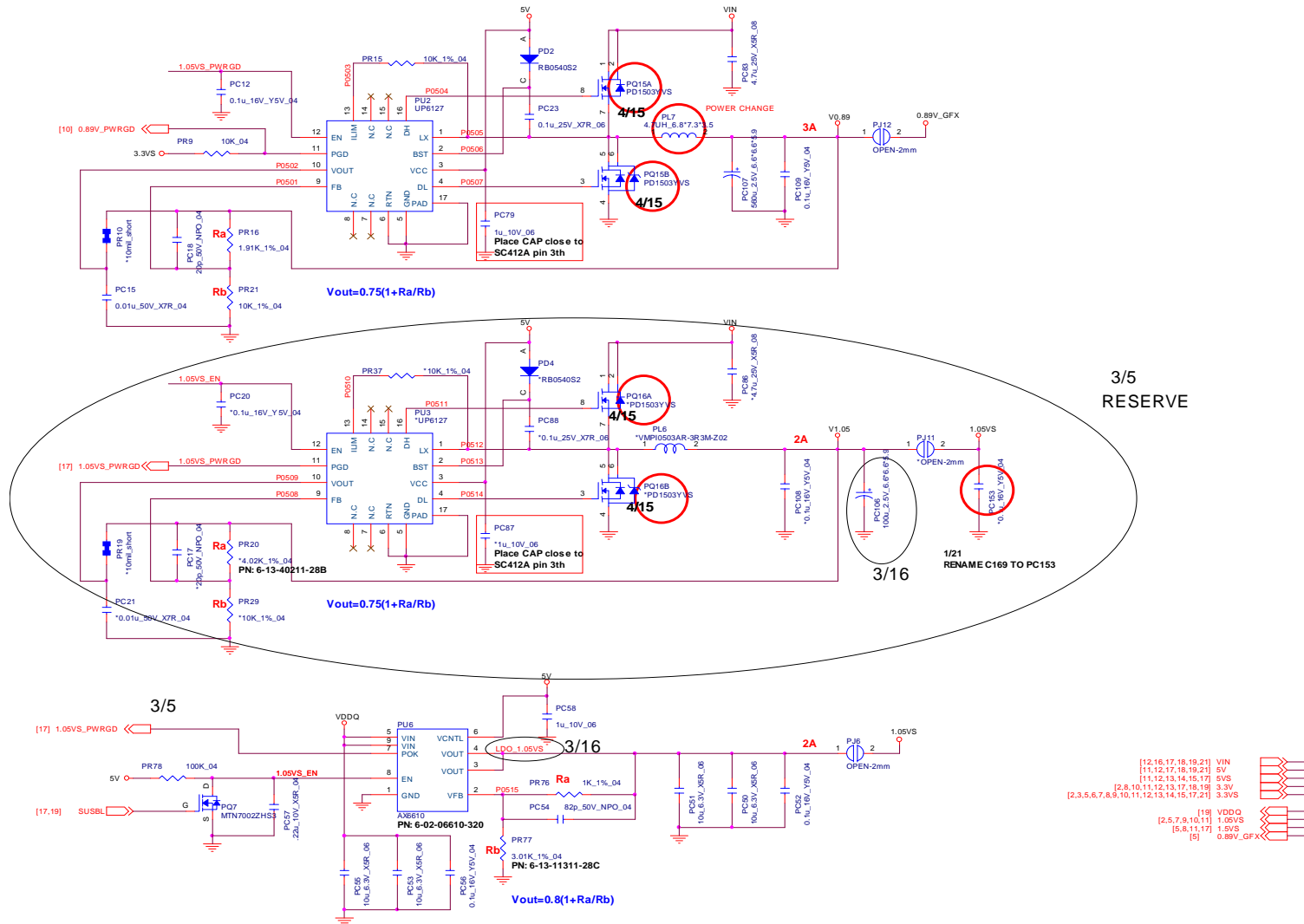


B.Schematic Diagrams

Sheet 19 of 26
PWR 1.5V, 0.75V



PWR 0.89V, 1.05VS, 1.5VS

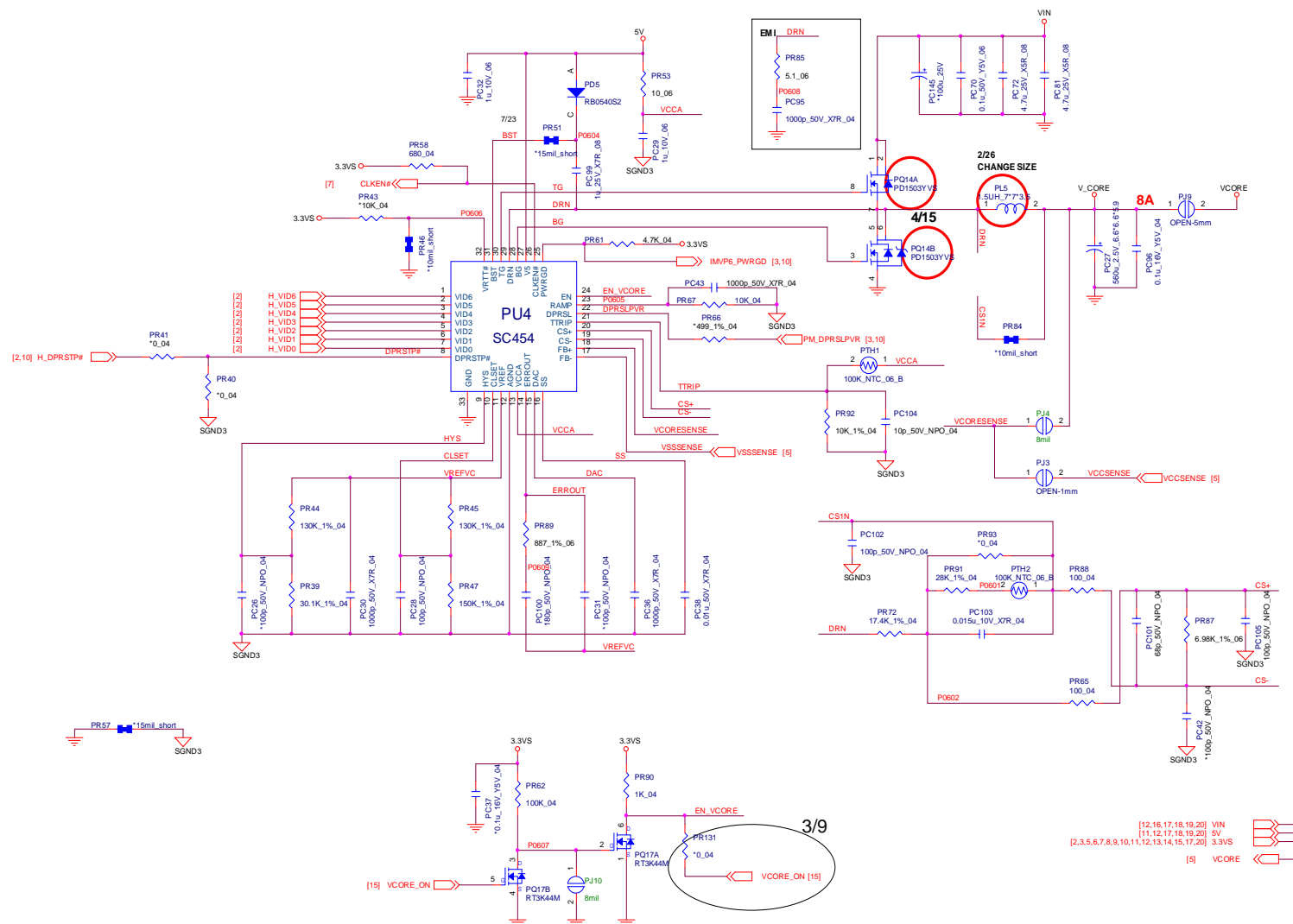


Sheet 20 of 26
PWR 0.89V, 1.05VS,
1.5VS

3/5
RESERVE

B.Schematic Diagrams

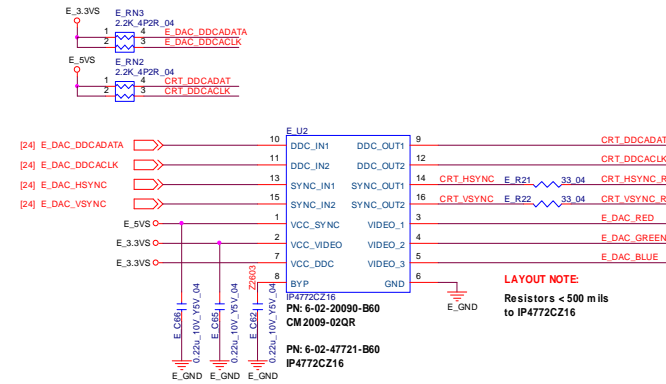
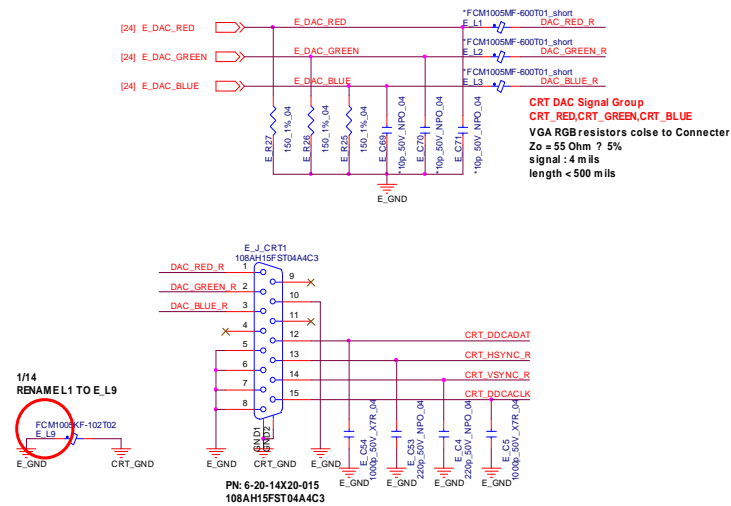
Sheet 21 of 26
PWR VCORE



Schematic Diagrams

CRT

CRT

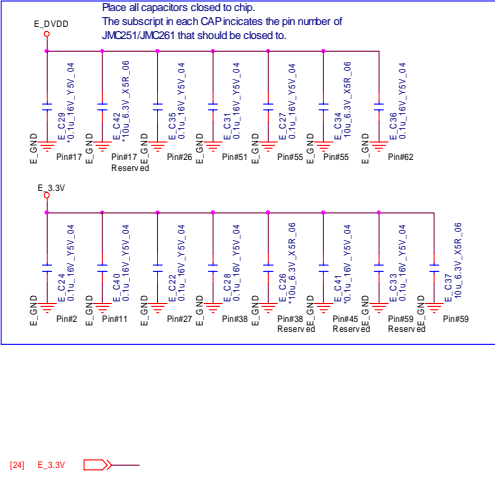
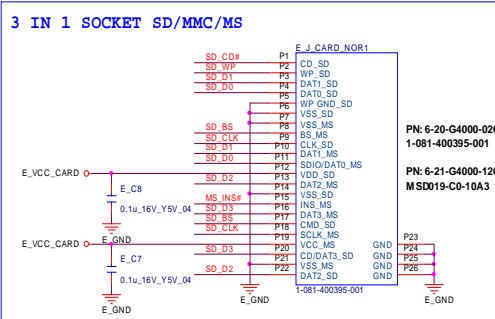
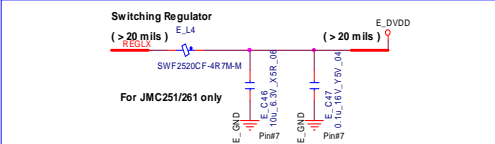
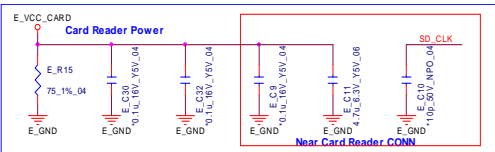
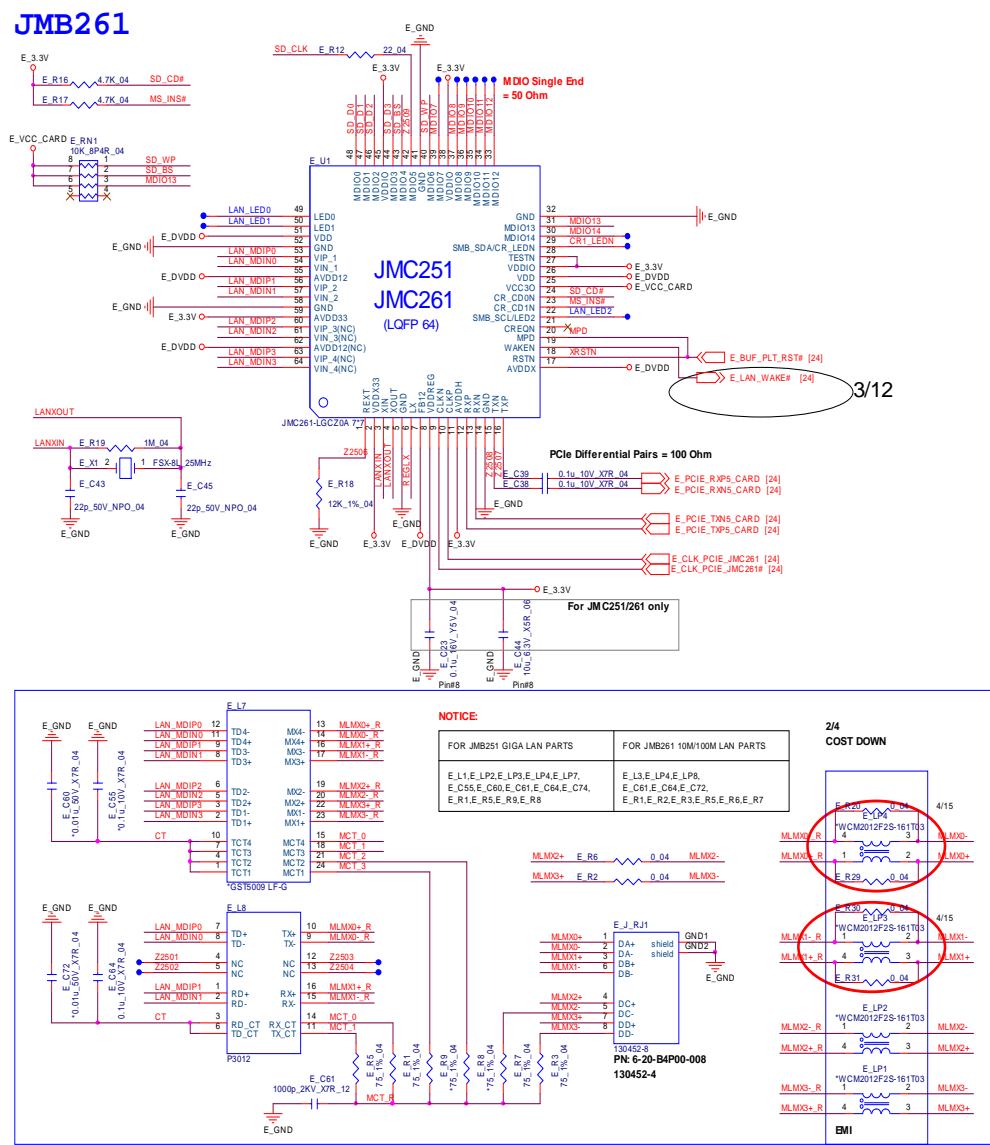


Sheet 22 of 26
CRT

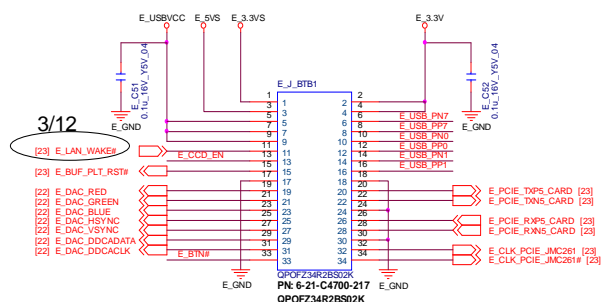
Schematic Diagrams

Card Reader (with LAN) JMB261

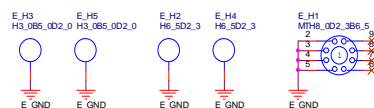
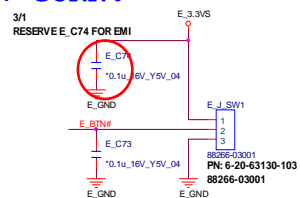
Sheet 23 of 26
Card Reader (with LAN) JMB261



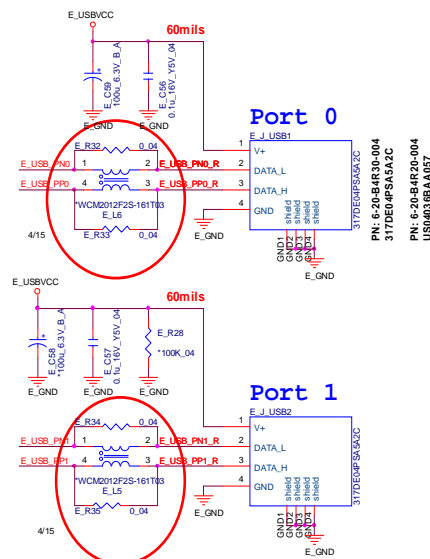
CONN. FOR CONT TO M/B



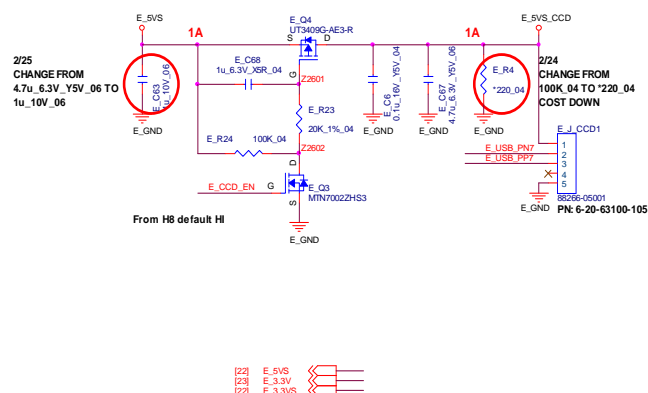
POWER SW CONN.



USB PORT_0&1



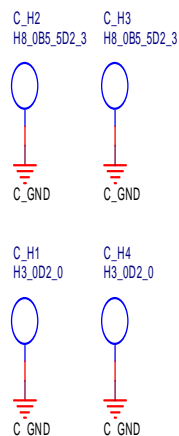
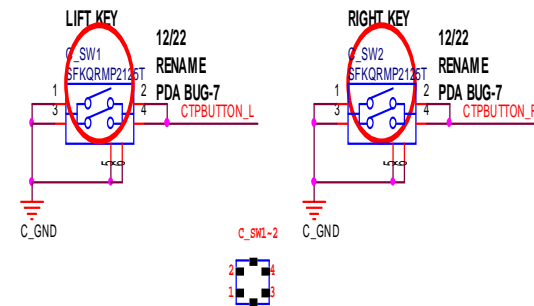
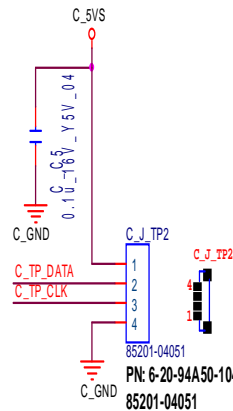
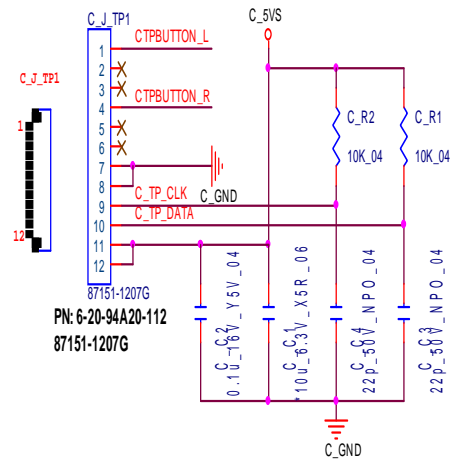
CCD CONN.



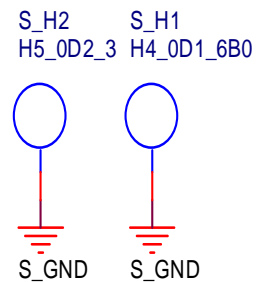
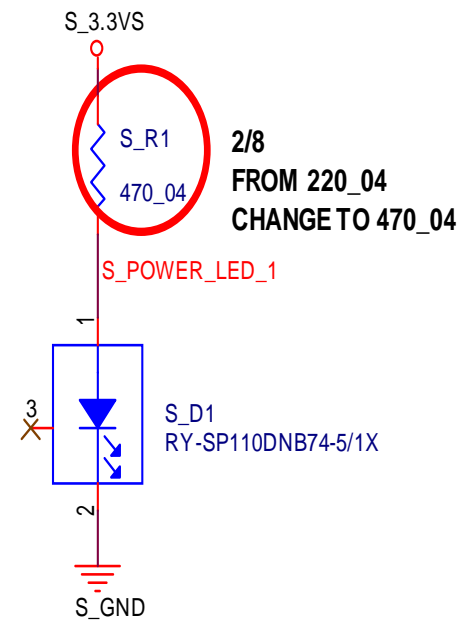
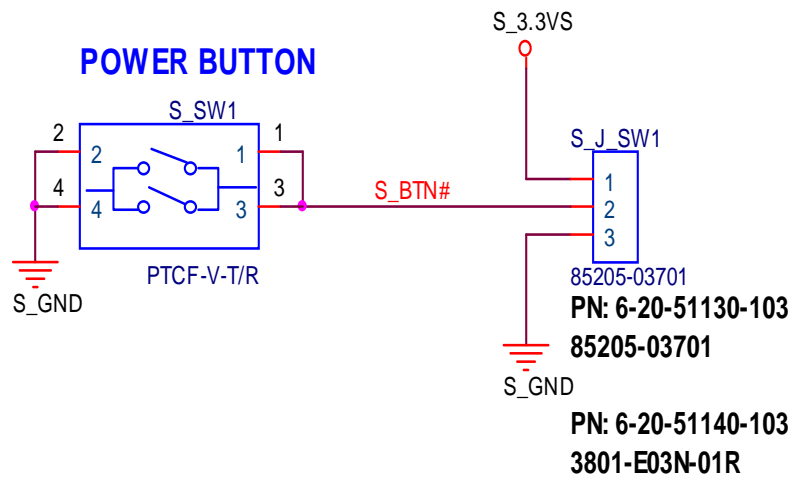
Schematic Diagrams

Click Board

Sheet 25 of 26
Click Board



Power Button Board



Sheet 26 of 26
Power Button
Board

Appendix C: Updating the FLASH ROM BIOS

To update the FLASH ROM BIOS you must:

- Download the BIOS update from the web site.
- Unzip the files onto a bootable CD/DVD/USB Flash Drive.
- Reboot your computer from an external CD/DVD/USB Flash Drive.
- Use the flash tools to update the flash BIOS using the commands indicated below.
- Restart the computer booting from the HDD and press **F2** at startup enter the BIOS.
- Load setup defaults from the BIOS and save the default settings and exit the BIOS to restart the computer.
- After rebooting the computer you may restart the computer again and make any required changes to the default BIOS settings.

Download the BIOS

1. Go to www.clevo.com.tw and point to **E-Services** and click **E-Channel**.
2. Use your user ID and password to access the appropriate download area (BIOS), and download the latest BIOS files (the BIOS file will be contained in a batch file that may be run directly once unzipped) for your computer model (see sidebar for important information on BIOS versions).

Unzip the downloaded files to a bootable CD/DVD/ or USB Flash drive

1. Insert a bootable CD/DVD/USB flash drive into the CD/DVD drive/USB port of the computer containing the downloaded files.
2. Use a tool such as Winzip or Winrar to unzip all the BIOS files and refresh tools to your bootable CD/DVD/USB flash drive (you may need to create a bootable CD/DVD with the files using a 3rd party software).

Set the computer to boot from the external drive

1. With the bootable CD/DVD/USB flash drive containing the BIOS files in your CD/DVD drive/USB port, restart the computer and press **F2** (in most cases) to enter the BIOS.
2. Use the arrow keys to highlight the **Boot** menu.
3. Use the “+” and “-” keys to move boot devices up and down the priority order.
4. Make sure that the CD/DVD drive/USB flash drive is set first in the boot priority of the BIOS.
5. Press **F10** to save any changes you have made and exit the BIOS to restart the computer.



BIOS Version

Make sure you download the latest correct version of the BIOS appropriate for the computer model you are working on.

You should only download BIOS versions that are V1.01.XX or higher as appropriate for your computer model.

Note that BIOS versions are not backward compatible and therefore **you may not downgrade your BIOS to an older version** after upgrading to a later version (e.g if you upgrade a BIOS to ver 1.01.05, you **MAY NOT** then go back and flash the BIOS to ver 1.01.04).

BIOS Update

Use the flash tools to update the BIOS

1. Make sure you are not loading any memory management programs such as HIMEM by holding the **F8** key as you see the message “**Starting MS-DOS**”. You will then be prompted to give “**Y**” or “**N**” responses to the programs being loaded by DOS. Choose “**N**” for any memory management programs.
2. You should now be at the DOS prompt e.g: `DISK C:\>` (C is the designated drive letter for the CD/DVD drive/USB flash drive).
3. **Type the following command** at the DOS prompt:

C:\> Flash.bat

4. The utility will then proceed to flash the BIOS.
5. You should then be prompted to press any key to restart the system or turn the power off, and then on again but make sure you remove the CD/DVD/USB flash drive from the CD/DVD drive/USB port before the computer restarts.

Restart the computer (booting from the HDD)

1. With the CD/DVD/USB flash drive removed from the CD/DVD drive/USB port the computer should restart from the HDD.
2. Press **F2** as the computer restarts to enter the BIOS.
3. Use the arrow keys to highlight the **Exit** menu.
4. Select **Load Setup Defaults** (or press **F9**) and select “**Yes**” to confirm the selection.
5. Press **F10** to save any changes you have made and exit the BIOS to restart the computer.

Your computer is now running normally with the updated BIOS

You may now enter the BIOS and make any changes you require to the default settings.