Aspire one Series
Service Guide

Service guide files and updates are available on the ACER/CSD web; for more information, please refer to http://csd.acer.com.tw

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Revision History

Please refer to the table below for the updates made on Aspire one Series service guide.

Date	Chapter	Updates

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Conventions

The following conventions are used in this manual:

SCREEN MESSAGES	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Reminds you to do specific actions relevant to the accomplishment of procedures.

Preface

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

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System Specifications

Features

Below is a brief summary of the computer's many features:

Operating System

- Microsoft Windows® XP™ / Linux

Platform

- Intel Diamondville
- Intel 945GMS+ICH7M chipset

System Memory

- Dual-Channel DDR2 SDRAM support
- Up to 1 GB of DDR2 533 MHz memory with 1 DDR2 SODIMM slot

Display

- 10.1" TFT WSVGA (1024 x 600 pixels)

Storage subsystem

- 2.5"/1.8" hard disk drive or solid state drive
- 5-in-1 card reader
- SD card reader

Audio

- High Definition audio support with two built-in 1W speakers
- Realtek ALC272 Azalia Codec and Amplifier G1441/G1453
- Built-in Microphone
- Headphone jack

Dimensions and Weight

- 255 x 183 x 26.9 mm (2.5" HDD) /25.5mm (Battery)
- 255 x 183 x 23.9 mm (1.8"HDD) /25.5mm (Battery)
- Weight: TBD (with 10.1" wide TFT XGA+ and 3-cell Li-Ion cylindrical battery pack)

Communication

- Acer Browser
- Acer Messenger

- Acer Email
- Wireless
  - Manufacturing option: Mini-card slot
  - 802.11b/g support
  - Two built-in Antenna
  - Antenna: Has to be placed on the top of LCD
- LAN
  - Atheros solution AR8114/AR8132
  - File deployment support
- 3G
  - GSM/GPRS/EDGE/(WCDMA)

Power subsystem

- ACPI 2.0 power management standard support with Standby and Hibernation power saving modes
- Main battery: 3/6-cell Li-Ion cylindrical battery pack (2200 mAh ~ 5200 mAH), 3-hour battery life with 3-cell battery; 6-hour battery life with 6-cell battery
- 3-pin 30W AC adapter

Privacy control

- BIOS user, supervisor, HDD passwords
- Kensington lock slot

Special keys and controls

- New Acer flat keyboard
- Supports Application keys for Windows XP/Linux version
- Support for Home key and Application keys for Windows XP/Linux version
- Multi-language support

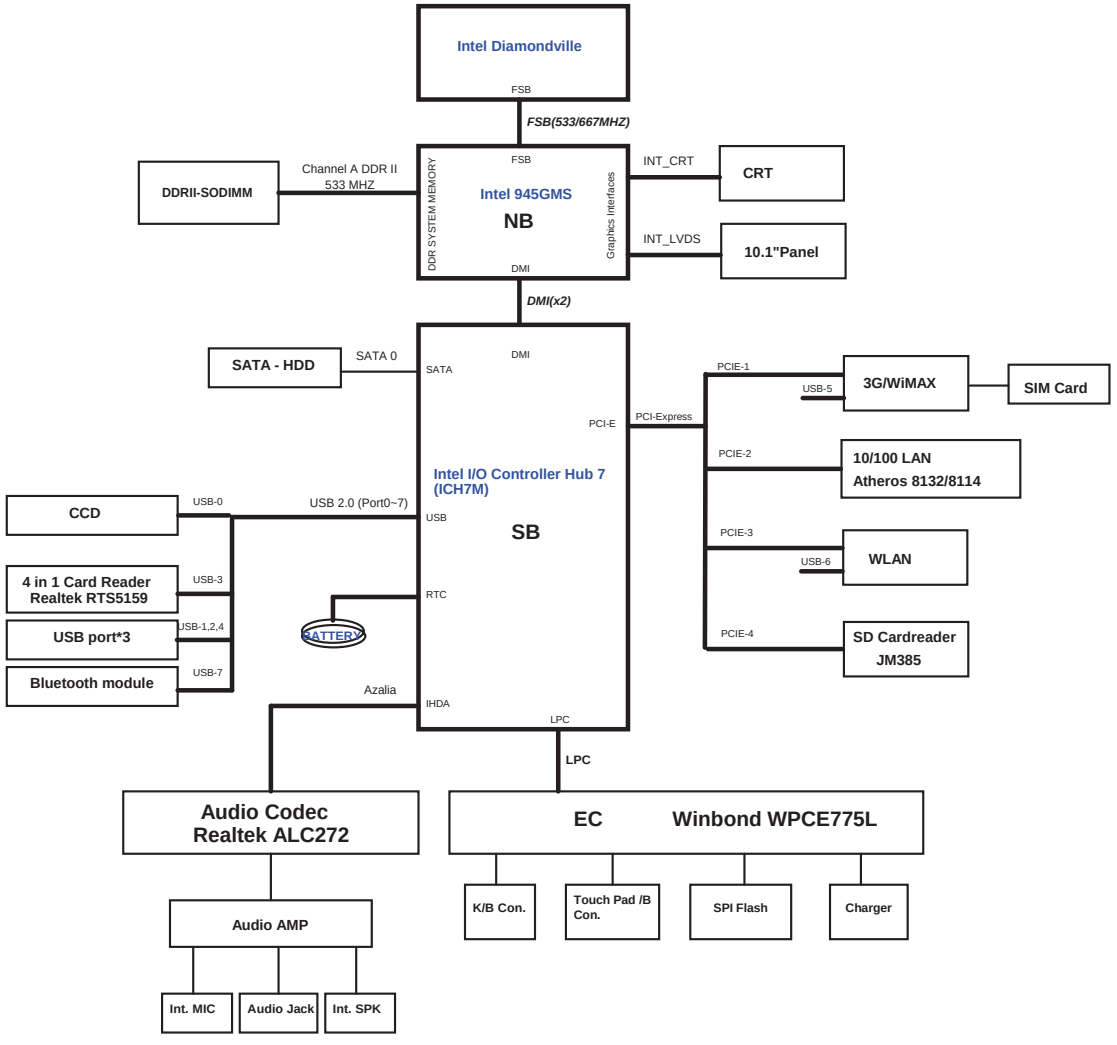
I/O interface

- Color-coded connectors
- External display (15-pin VGA) port
- Microphone jack
- Headphone/line-out jack
- 3 USB 2.0 ports
- DC-in jack for AC adapter
- Ethernet (RJ-45) port
- 5-in-1 card reader (MS, MS Pro, SD, MMC, xD)
- SD card reader

Environment

- Temperature:
  - Operating: 5 °C to 35 °C
  - Non-operating: -20 °C to 65 °C
- Humidity (non-condensing):
  - Operating: 20% to 80%
  - Non-operating: 20% to 80%

System Block Diagram



Your Acer Notebook tour

After knowing your computer features, let us show you around your new computer.

Front View

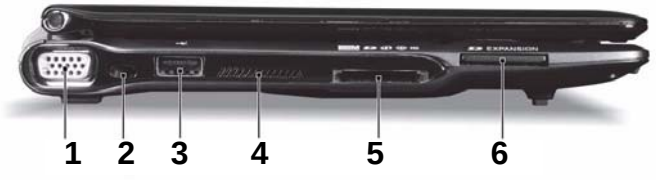
No.	Icon	Item	Description
1		Acer Crystal Eye Webcam	Web camera for video communication.
2		Display screen	Also called Liquid-Crystal Display (LCD), displays computer output.
3		Microphone	Internal microphone for sound recording.
4		Status indicators	Light-Emitting Diodes (LEDs) that light up to show the status of the computer's functions and components.
5		Keyboard	For entering data into your computer.
6		TouchPad	Touch-sensitive pointing device which functions like a computer mouse.

No.	Icon	Item	Description
7		Battery/ Bluetooth/3G/ Wireless LAN communication indicator	Indicates the status of Battery/ Bluetooth/3G Wireless LAN communication. (only for certain models)
8		Click buttons (left and right)	The left and right buttons function like the left and right mouse buttons.
9		Power button/ indicator	Turns the computer on and off.

Closed Front View

No.	Icon	Item	Description
1		Bluetooth communication switch	Enables/disables the Bluetooth function.
2		3G/Wireless communication switch	Enables/disables the 3G/wireless function.

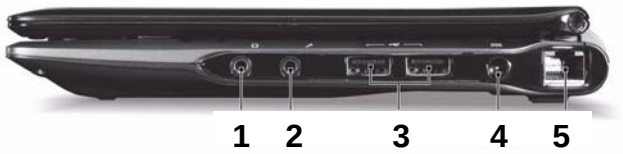
Left View



No.	Icon	Item	Description
1		External display (VGA) port	Connects to a display device (e.g. external monitor, projector).
2		Kensington lock slot	Connects to a Kensington-compatible computer security lock.
3		USB 2.0 port	Connect to USB 2.0 devices (e.g. USB mouse).

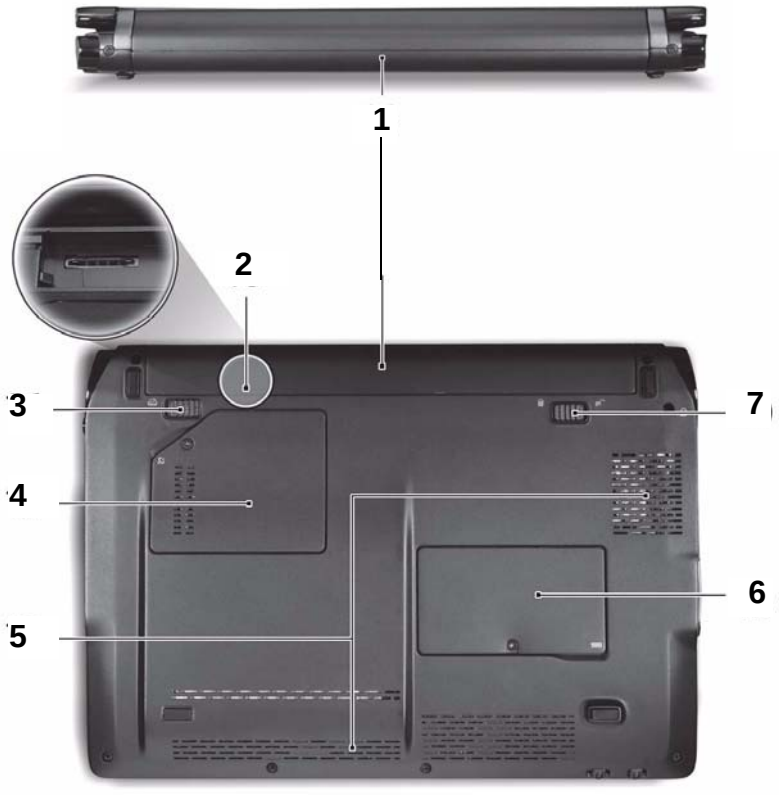
No.	Icon	Item	Description
4		Ventilation slots and cooling fan	Enable the computer to stay cool, even after prolonged use. **Note:** Do not cover or obstruct the fan opening.
5		Multi-in-1 card reader	Accepts Secure Digital (SD), MultiMediaCard (MMC), Memory Stick (MS), Memory Stick PRO (MS PRO), xD-Picture Card (xD). **Note:** Push to remove/install the card. Only one card can operate at any given time.
6		SD Expansion slot	Accepts Secure Digital (SD) Card. **Note:** Push to remove/install the card.

Right View



No.	Icon	Item	Description
1		Headphones/ speaker/line-out jack	Connects to line-out audio devices (e.g. speakers, headphones).
2		Microphone-in jack	Accepts input from external microphones.
3		USB 2.0 ports	Connect to USB 2.0 devices (e.g. USB mouse).
4		DC-in jack	Connects to an AC adapter
5		Ethernet (RJ-45) port	Connects to an Ethernet 10/100-based network.

Bottom View



No.	Icon	Item	Description
1		Battery bay	Houses the computer's battery pack. **Note:** The battery shown is for reference only. Your PC may have a different battery, depending on the model purchased.
2		3G SIM card slot	Accepts a 3G SIM card for 3G connectivity (only for certain models).
3		Battery release latch	Releases the battery for removal.
4		Wireless LAN Bay	Houses the computer's Wireless LAN module.
5		Ventilation slots	Vents enable the computer to stay cool, even after prolonged use. **Note**: Do not cover or obstruct the cooling vents.
6		Memory compartment	Houses the computer's main memory.
7		Battery lock	Locks the battery in position.

Indicators

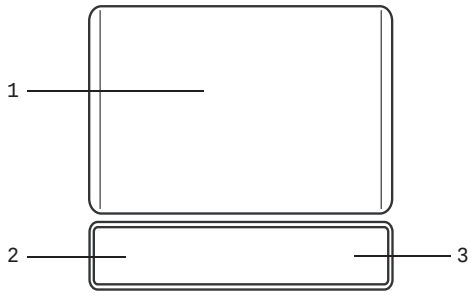
The computer has several easy-to-read status indicators. The battery indicator is visible even when the computer cover is closed.

Icon	Function	Description
	Bluetooth	Indicates the status of Bluetooth communication.
	Wireless LAN	Indicates the status of Wireless LAN communication.
	3G communication	Indicates the status of 3G communication.
	HDD	Indicates when the hard disk drive is active.
	Num Lock	Lights up when Num Lock is activated.
	Caps Lock	Lights up when Caps Lock is activated.
	Battery	Indicates the computer's battery status.

NOTE: 1. **Charging:** The battery light shows amber when the battery is charging. 2. **Fully charged:** The light shows green when in AC mode.

TouchPad Basics

The following items show you how to use the TouchPad:



- Move your finger across the TouchPad (1) to move the cursor.
- Press the left (2) and right (3) buttons located beneath the TouchPad to perform selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the TouchPad is the same as clicking the left button.

Function	Left Button (2)	Right Button (3)	Main TouchPad (1)
Execute	Quickly click twice.		Tap twice (at the same speed as double-clicking a mouse button).
Select	Click once.		Tap once.
Drag	Click and hold, then use finger on the TouchPad to drag the cursor.		Tap twice (at the same speed as double-clicking a mouse button); rest your finger on the TouchPad on the second tap and drag the cursor.
Access context menu		Click once.	

NOTE: Illustrations for reference only. The exact configuration of your PC depends on the model purchased.

NOTE: When using the TouchPad, keep it - and your fingers - dry and clean. The TouchPad is sensitive to finger movement; hence, the lighter the touch, the better the response. Tapping too hard will not increase the TouchPad's responsiveness.

NOTE: By default, vertical and horizontal scrolling is enabled on your touchpad. It can be disabled under Mouse settings in Windows Control Panel.

Using the Keyboard

Your Aspire one has a close-to-full-sized keyboard and an embedded numeric keypad, separate cursor, lock, function and special keys.

Lock Keys and embedded numeric keypad

The keyboard has three lock keys which you can toggle on and off.

Lock key	Description
Caps Lock	When Caps Lock is on, all alphabetic characters typed are in uppercase.
Num Lock **<Fn> + <F11>**	When Num Lock is on, the embedded keypad is in numeric mode. The keys function as a calculator (complete with the arithmetic operators +, -, *, and /). Use this mode when you need to do a lot of numeric data entry. A better solution would be to connect an external keypad.
Scroll Lock **<Fn> + <F12>**	When Scroll Lock is on, the screen moves one line up or down when you press the up or down arrow keys respectively. Scroll Lock does not work with some applications.

The embedded numeric keypad functions like a desktop numeric keypad. It is indicated by small characters located on the upper right corner of the keycaps. To simplify the keyboard legend, cursor-control key symbols are not printed on the keys.

Desired access	Num Lock on	Num Lock off
Number keys on embedded keypad	Type numbers in a normal manner.	
Main keyboard keys	Hold **<Fn>** while typing letters on embedded keypad.	Type the letters in a normal manner.

Windows Keys

The keyboard has two keys that perform Windows-specific functions.

Key	Description
Windows key	Pressed alone, this key has the same effect as clicking on the Windows Start button; it launches the Start menu. It can also be used with other keys to provide a variety of functions: <WIN>**:** Open or close the Start menu <WIN> **+ <D>:** Display the desktop <WIN> **+ <E>:** Open Windows Explore <WIN> **+ <F>:** Search for a file or folder <WIN> **+ <G>:** Cycle through Sidebar gadgets <WIN> **+ <L>:** Lock your computer (if you are connected to a network domain), or switch users (if you're not connected to a network domain) <WIN> **+ <M>:** Minimizes all windows <WIN> **+ <R>:** Open the Run dialog box <WIN> **+ <T>:** Cycle through programs on the taskbar <WIN> **+ <U>:** Open Ease of Access Center <WIN> **+ <X>:** Open Windows Mobility Center <WIN> **+ <BREAK>:** Display the System Properties dialog box <WIN> **+ <SHIFT+M>:** Restore minimized windows to the desktop <WIN> **+ <TAB>:** Cycle through programs on the taskbar by using Windows Flip 3-D <WIN> **+ <SPACEBAR>:** Bring all gadgets to the front and select Windows Sidebar **<CTRL> +** <WIN> **+ <F>:** Search for computers (if you are on a network) **<CTRL> +** <WIN> **+ <TAB>:** Use the arrow keys to cycle through programs on the taskbar by using Windows Flip 3-D **Note:** Depending on your edition of Windows Vista, some shortcuts may not function as described.
Application key	This key has the same effect as clicking the right mouse button; it opens the application's context menu.

Hot Keys

The computer employs hotkeys or key combinations to access most of the computer's controls like screen brightness and volume output.

To activate hotkeys, press and hold the **<Fn>** key before pressing the other key in the hotkey combination.

Hotkey	Icon	Function	Description
<Fn> + <F1>	?	Hotkey help	Displays help on hotkeys.
<Fn> + <F2>		Acer eSettings Management	Launches Acer eSettings Management in Acer Empowering Technology.
<Fn> + <F3>		Acer ePower Management	Launches Acer ePower Management in Acer Empowering Technology.
<Fn> + <F4>	z z	Sleep	Puts the computer in Sleep mode.
<Fn> + <F5>		Display toggle	Switches display output between the display screen, external monitor (if connected) and both.
<Fn> + <F6>		Screen blank	Turns the display screen backlight off to save power. Press any key to return.
<Fn> + <F7>		TouchPad toggle	Turns the internal TouchPad on and off.
<Fn> + <F8>		Speaker toggle	Turns the speakers on and off.
<Fn> + <▷>		Brightness up	Increases the screen brightness.
<Fn> + <◁>		Brightness down	Decreases the screen brightness.
<Fn> + <△>		Volume up	Increases the sound volume.
<Fn> + <▽>		Volume down	Decreases the sound volume.

Special Key

You can locate the Euro symbol and the US dollar sign at the upper-center and/or bottom-right of your keyboard.

The Euro symbol

1. Open a text editor or word processor.
2. Hold <Alt Gr> and then press the <5> key at the upper-center of the keyboard.

NOTE: Some fonts and software do not support the Euro symbol.

The US dollar sign

1. Open a text editor or word processor.
2. Hold **<Shift>** and then press the **<4>** key at the upper-center of the keyboard.

NOTE: This function varies according to the language settings.

Hardware Specifications and Configurations

Processor

Item	Specification
CPU type	Intel Atom N270 1.6G 512K 533 2.5W
CPU package	Micro-FCBGA8 packaging, 437-pin
Core Logic	• Intel 945GMS • ICH7M
Chipset	• ENE KB926 for Keyboard Controller, Battery management Unit, and RTC. • Integrated VGA solution for Intel 945GSE. • Realtek ALC272X-GR for High Definition Audio Codec. • Atheros AR8114A for 10/100 LAN
Features	• On-die, primary 32-kB instructions cache and 24-kB write-back data cache • 533-MHz source-synchronous front side bus (FSB) • 2-Threads support • On-die 512-kB, 8-way L2 cache • Support for IA 32-bit architecture • Intel® Streaming SIMD Extensions-2 and -3 (Intel® SSE2 and Intel® SSE3) support and Supplemental Streaming SIMD Extension 3 (SSSE3) support • Micro-FCBGA8 packaging technologies • Thermal management support via Intel® Thermal Monitor 1 and Intel Thermal Monitor 2 • FSB Lane Reversal for flexible routing • Supports C0/C1(e)/C2(e)/C4(e) • L2 Dynamic Cache Sizing • Advanced power management features including Enhanced Intel SpeedStep® Technology • Execute Disable Bit support for enhanced security

Processor Specifications

Item	CPU Speed	Cores	Bus Speed	Mfg Tech	Cache Size	Package	Core Voltage	Acer P/N
N270	1.6 GHz	1	533 MHz	45 nm	512 KB	Micro-FCBGA8		KC.ANB01.270
N280	1.66 GHz	1	667 MHz	45 nm	512 KB	Micro-FCBGA8		KC.ANB01.280

CPU Fan Tru Value Table

CPU Temperature of Diode		Fan Speed (RPM)	SPL Spec (dBA)
40	44	3300	26
50	54	3800	29
60	63	4300	31
68	73	5500	35
76	82		90% Duty

- Throttling 50%: On= 84°C; OFF=86°C
- OS shut down at 88°C; H/W shut down(PH1) at 95°C

System Memory

Item	Specification
Memory controller	Built in
Memory size	1GB DDR2 RAM
DIMM socket number	1
Supports memory size per socket	512 MB / 1GB
Supports maximum memory size	1 GB
Supports DIMM type	DDR II 533Mhz SDRAM memory interface design
Supports DIMM Speed	533Mhz SDRAM

System Storage

Item	Specification
HDD	• 9.5mm height, 2.5" HDD • Easily removable with no more than four screws • SATA bus • 80/320GB and above • 5400 rpm • SATA connector BTO

Hard Disk Drive Interface

Item	Specification					
Vendor & Model Name	Seagate ST9160310AS	Toshiba MK1652GSX	Toshiba MK1655GSX	HGST HTS543216L 9A300	HGST HTS545016B 9A300	WD WD1600BEVT
Capacity (GB)	160	160	160	160	160	160
Bytes per sector	512	512	512	512	512	512
Data heads	2	2	2	2	2	2
Drive Format						
Disks	1	1	1	1	1	1
Spindle speed (RPM)	5400	5400	5400	5400	5400	5400
Performance Specifications						
Buffer size	8 MB	8 MB	8 MB	8 MB	8 MB	8 MB
Interface	SATA	SATA	SATA	SATA	SATA	SATA
Fast data transfer rate	3.0Gbit /s	3.0Gbit /s	3.0Gbit /s	3.0Gbit /s	3.0Gbit /s	3.0Gbit /s
Media data transfer rate (Mbytes/sec max)	830	400~794 typ.	783.7	775	875	850
DC Power Requirements						
Voltage tolerance	5V ±5%	5V ±5%	5V ±5%	5V ±5%	5V ±5%	5V ±5%

BIOS

Item	Specification
BIOS vendor	InSyde
BIOS Version	v0.10
BIOS ROM type	Flash
BIOS ROM size	1 MB
Features	• Support ISIPP • Support Acer UI • Support multi-boot • Suspend to RAM (S3)/Disk (S4) • Various hot-keys for system control • Support SMBUS 2.0, PCI2.3 • ACPI 2.0 compliance with Intel Speed Step Support C1, C2, C3, C4 and S3, S4 for mobile CPU • DMI utility for BIOS serial number configurable/asset tag • Support PXE

LCD 10.1”

Item	Specification		
Vendor/model name	AUO B101AW03	LG LP101WSVGA	CMO N101L6-L02
Screen Diagonal (mm)	255.54	257 (10.1”)	
Active Area (mm)	222.72 x 125.28	222.72(H) x 125.28(V)	222.72 (H) x 125.28 (V)
Display resolution (pixels)	1024 x 3(RGB) x 600	1024 x 600	1024 x R.G.B. x 600
Pixel Pitch (mm)	0.2175 (H) X 0.2088 (V)	0.2175(H) x 0.2088(V) (typical)	0.2175 (H) x 0.2088 (V)
Typical White Luminance (cd/m^2) also called Brightness	200 typ. (5 points average)	200	200 typ.
Contrast Ratio	400:1 typ	300:1 (typical)	650:1 typ.
Response Time (Optical Rise Time/Fall Time) msec	16 typ / 25 Max	16 (typical)	7 (typical)
Typical Power Consumption (watt)	2.8 max.	1.4 - 2.46	1.15 typ.
Weight (g)	190 max.	190	180
Physical Size (mm)	235 x 143 x 5.2	235 x 143 x 5/5.2	235 x 143 x 4.9
Electrical Interface	1 channel LVDS	LVDS	LVDS
Viewing Angle (degree) Horizontal (Right) CR = 10 (Left) Vertical (Upper) CR = 10 (Lower)	 45/45 (typical) 15/35 (typical)	 45/45 (typical) 20/40 (typical)	 45/45 (typical) 20/45 (typical)

Audio Codec and Amplifier

Item	Specification
Audio Controller	REALTEK ALC272
Features	• Meets performance and function requirements defined in Microsoft WLP 3.0x and future WLP version • Two stereo DAC supports 16/20/24-bit PCM format for multiple streaming of playback • Two stereo ADC support 16/20/24-bit PCM format for multiple streaming of recording • All DAC support independent 44.1k/48k/96k/192kHz sample rate • All ADC support independent 44.1k/48k/96k/192kHz sample rate • Two independent S/PDIF output supports 16/20/24-bit format and 44.1k/48k/96k192kHz sample rate • All analog jack ports except MONO, BEEP-IN, MIC1 and HP-OUT are stereo input and output re-tasking • Supports line level mono output • Supports analog PCBEEP input, and a digital BEEP generator is integrated. • Up to four channels of digital microphone array input are supported for AEC/BF application • Supports legacy analog input to analog output mixer • Built-in five headphone amplifiers for port-A and port-D, port-E, port-F and port-I. • Headphone amplifier for port-I (HP-OUT) is designed to drive output without external DC blocking capacitors • Software selectable 2.5V and 3.2V reference output for microphone bias • Software selectable boost gain (+10/+20/+30dB) for analog microphone input • Two jack detection pins, each supports detection of up to 4 jacks • Jack detection function is supported when device is in power down mode (D3) • Supports two GPIO (general purpose input and output) pins (pin sharing with digital microphone interface) • Supports EAPD (external amplifier power down) control for external amplifier • Support 1.5V~3.3V scalable I/O for HD Audio link • Supports anti-pop mode when analog power AVDD is on and digital power is off • 48-pin LQFP ‘Green’ package

LAN Interface

Item	Specification
LAN Chipset	Atheros AR8114 10/100 Mbps Fast Ethernet LAN with Integrated Transceiver
Features	• PCI-E interface LAN controller • PCIE V1.1 compliant • Supports wake on LAN • 48-pin QFN package

Keyboard

Item	Specification
Type	New Acer flat keyboard
Total number of keypads	84
Windows logo key	Yes
Internal & external keyboard work simultaneously	Plug USB keyboard to the USB port directly: Yes

Mini Card

Item	Specification
Number Supported	2
Features	• 2 mini card slot (1 for 3G/WiMax (full-size) and 1 for WLAN (half-size)) • Embedded 3G module and built-in 2 antenna (combo wireless + 3G) on top of LCD

Camera

Item	Specification
Vendor and model	Chicony Camera Module CNF9011
Type	USB Video Class with 1/6”CMOS sensor

3G Card

Item	Specification
Features	• 3G card in mini card slot for 3G/ WiMAX (full-size) • Control by USB interface • User accessible SIM card by battery removal • Antenna: Has to be placed on the sides of LCD in A/B cover

Bluetooth interface

Item	Specification
Chipset	• FOXCON T60H928.01 LF Bluetooth miniUSB module
Features	• Embedded USB solution with antenna • Bluetooth 2.0+EDR • Bluetooth control for BT optical mouse

Wireless LAN

Item	Specification
Type	IEEE802.11 b/g Half PCI-e Card
Features	• IEEE 802.11 b/g • PCI-Express Half Mini card (H2 type)

Battery

Item	Specification	
Vendor & model name	SANYO UM-2009A/AW SONY UM-2009A/AW PANASONIC UM-2009AW SIMPLO UM-2009A/AW	SANYO UM-2009B/BW SONY UM-2009B/BW SIMPLO UM-2009A
Battery Type	Li-ion	Li-ion
Pack capacity	2200 mAh	5200 mAh
Number of battery cell	3	6
Package configuration	3S1P	3S2P

System Utilities

BIOS Setup Utility

The BIOS Setup Utility is a hardware configuration program built into your computer's BIOS (Basic Input/ Output System).

Your computer is already properly configured and optimized, and you do not need to run this utility. However, if you encounter configuration problems, you may need to run Setup. Please also refer to Chapter 4 Troubleshooting if a problem arises.

To activate the BIOS Utility, press **F2** during POST (when **Press <F2> to enter Setup** message is prompted on the bottom of screen).

Press **F2** to enter setup. The default parameter of F12 Boot Menu is set to "disabled". If you want to change boot device without entering BIOS Setup Utility, please set the parameter to "enabled".

Press **<F12>** during POST to enter multi-boot menu. In this menu, user can change boot device without entering BIOS SETUP Utility.

Navigating the BIOS Utility

There are six menu options: Information, Main, Advanced, Security, Power, Boot, and Exit.

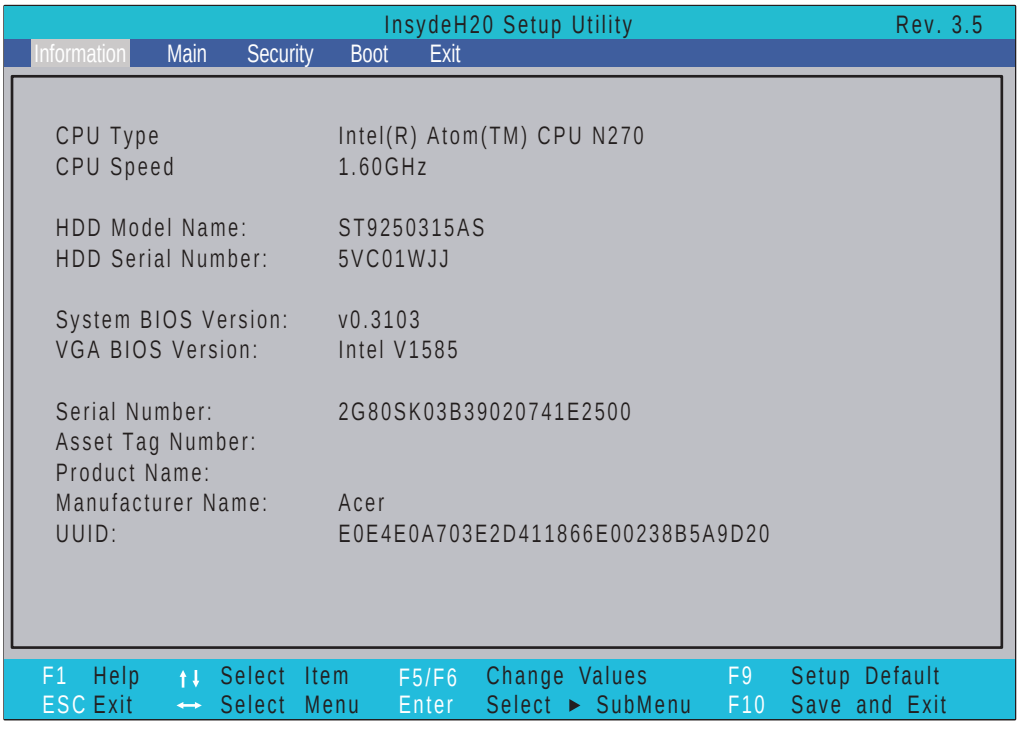
Follow these instructions:

- To choose a menu, use the left and right arrow keys.
- To choose an item, use the up and down arrow keys.
- To change the value of a parameter, press **F5** or **F6**.
- A plus sign (+) indicates the item has sub-items. Press **Enter** to expand this item.
- Press **Esc** while you are in any of the menu options to go to the Exit menu.
- In any menu, you can load default settings by pressing **F9**. You can also press **F10** to save any changes made and exit the BIOS Setup Utility.

NOTE: You can change the value of a parameter if it is enclosed in square brackets. Navigation keys for a particular menu are shown on the bottom of the screen. Help for parameters are found in the Item Specific Help part of the screen. Read this carefully when making changes to parameter values. **Please note that system information is subject to different models**.

Information

The Information screen displays a summary of your computer hardware information.

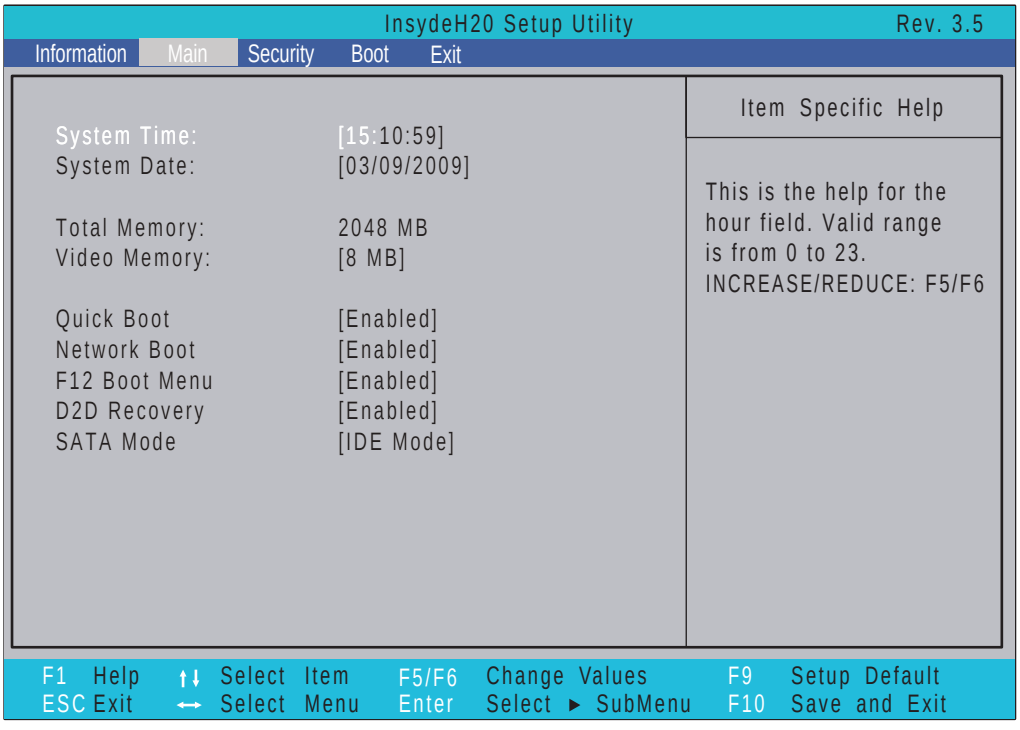


NOTE: The system information is subject to different models.

Parameter	Description
CPU Type	This field shows the CPU type of the system.
CPU Speed	This field shows the speed of the CPU.
HDD Model Name	This field shows the model name of HDD installed on primary IDE master.
HDD Serial Number	This field displays the serial number of HDD installed on primary IDE master.
System BIOS Version	Displays system BIOS version.
VGA BIOS Version	This field displays the VGA firmware version of the system.
Serial Number	This field displays the serial number of this unit.
Asset Tag Number	This field displays the asset tag number of the system.
Product Name	This field shows product name of the system.
Manufacturer Name	This field displays the manufacturer of this system.
UUID Number	Universally Unique Identifier (UUID) is an identifier standard used in software construction, standardized by the Open Software Foundation (OSF) as part of the Distributed Computing Environment (DCE).

Main

The Main screen allows the user to set the system time and date as well as enable and disable boot option and recovery.



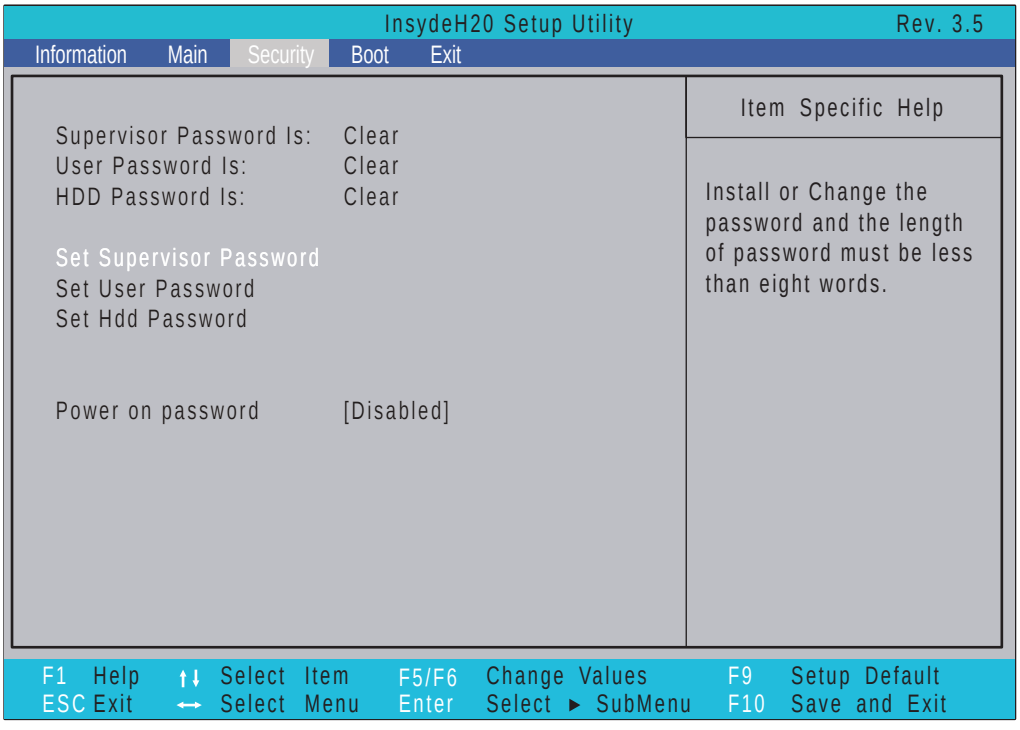
NOTE: The screen above is for your reference only. Actual values may differ.

The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Format/Option
System Time	Sets the system time. The hours are displayed with 24-hour format.	Format: HH:MM:SS (hour:minute:second)
System Date	Sets the system date.	Format MM/DD/YYYY (month/day/year)
Total Memory	This field reports the memory size of the system. Memory size is fixed to 2048 MB.	N/A
Video Memory	Shows the video memory size. VGA Memory size=8 MB	N/A
Quick Boot	Allows startup to skip certain tests while booting, decreasing the time needed to boot the system.	Option: **Enabled** or Disabled
Network Boot	Enables, disables the system boot from LAN (remote server).	Option: **Enabled** or Disabled
F12 Boot Menu	Enables, disables Boot Menu during POST.	Option: **Enabled** or Enabled
D2D Recovery	Enables, disables D2D Recovery function. The function allows the user to create a hidden partition on hard disc drive to store operation system and restore the system to factory defaults.	Option: **Enabled** or Disabled
SATA Mode	Control the mode in which the SATA controller should operate.	Option: AHCI or **IDE**

Security

The Security screen contains parameters that help safeguard and protect your computer from unauthorized use.



The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Option
Supervisor Password Is	Shows the setting of the Supervisor password	**Clear** or Set
User Password Is	Shows the setting of the User password.	**Clear** or Set
HDD Password Is	Shows the setting of the HDD password.	**Clear** or Set
Set Supervisor Password	Press Enter to set the supervisor password. When set, this password protects the BIOS Setup Utility from unauthorized access. The user can not either enter the Setup menu nor change the value of parameters.	
Set User Password	Press Enter to set the user password. When user password is set, this password protects the BIOS Setup Utility from unauthorized access. The user can enter Setup menu only and does not have right to change the value of parameters.	
Set Hdd Password	Enter HDD password.	
Power on password	Defines whether a password is required or not while the events defined in this group happened. The following sub-options are all requires the Supervisor password for changes and should be grayed out if the user password was used to enter setup.	Enabled or **Disabled**

NOTE: When you are prompted to enter a password, you have three tries before the system halts. Don't forget your password. If you forget your password, you may have to return your notebook computer to your dealer to reset it.

Setting a Password

Follow these steps as you set the user or the supervisor password:

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Supervisor Password box appears:

2. Type a password in the “Enter New Password” field. The password length can not exceeds 8 alphanumeric characters (A-Z, a-z, 0-9, not case sensitive). Retype the password in the “Confirm New Password” field.

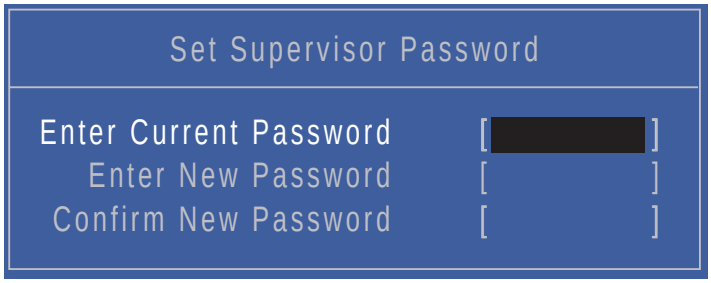
IMPORTANT: Be very careful when typing your password because the characters do not appear on the screen.

3. Press **Enter**. After setting the password, the computer sets the User Password parameter to “Set”.
4. If desired, you can opt to enable the Password on boot parameter.
5. When you are done, press F10 to save the changes and exit the BIOS Setup Utility.

Removing a Password

Follow these steps:

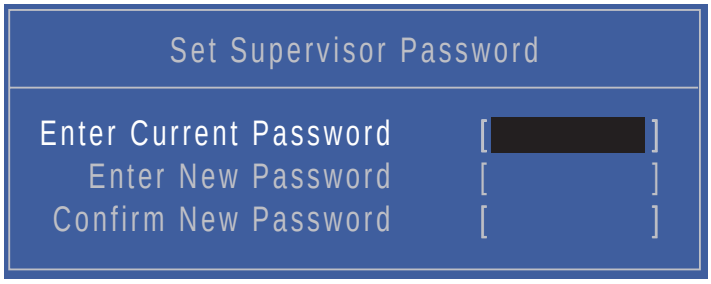
1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Password box appears:



2. Type the current password in the Enter Current Password field and press **Enter**.
3. Press **Enter** twice **without** typing anything in the Enter New Password and Confirm New Password fields. The computer then sets the Supervisor Password parameter to “Clear”.
4. When you have changed the settings, press u to save the changes and exit the BIOS Setup Utility.

Changing a Password

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Password box appears.



2. Type the current password in the Enter Current Password field and press **Enter**.
3. Type a password in the Enter New Password field. Retype the password in the Confirm New Password field.
4. Press **Enter**. After setting the password, the computer sets the User Password parameter to “Set”.
5. If desired, you can enable the Password on boot parameter.
6. When you are done, press **F10** to save the changes and exit the BIOS Setup Utility.

If the verification is OK, the screen will display as following.

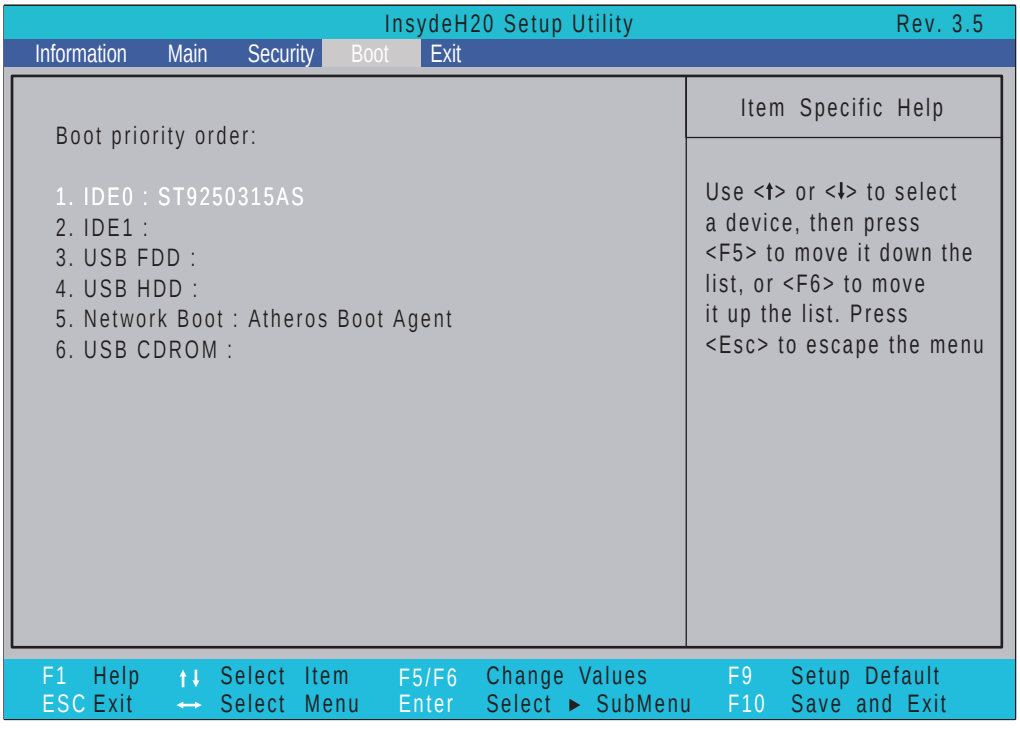
The password setting is complete after the user presses **Enter**.

If the current password entered does not match the actual current password, the screen will show you the Setup Warning.

If the new password and confirm new password strings do not match, the screen displays the following message.

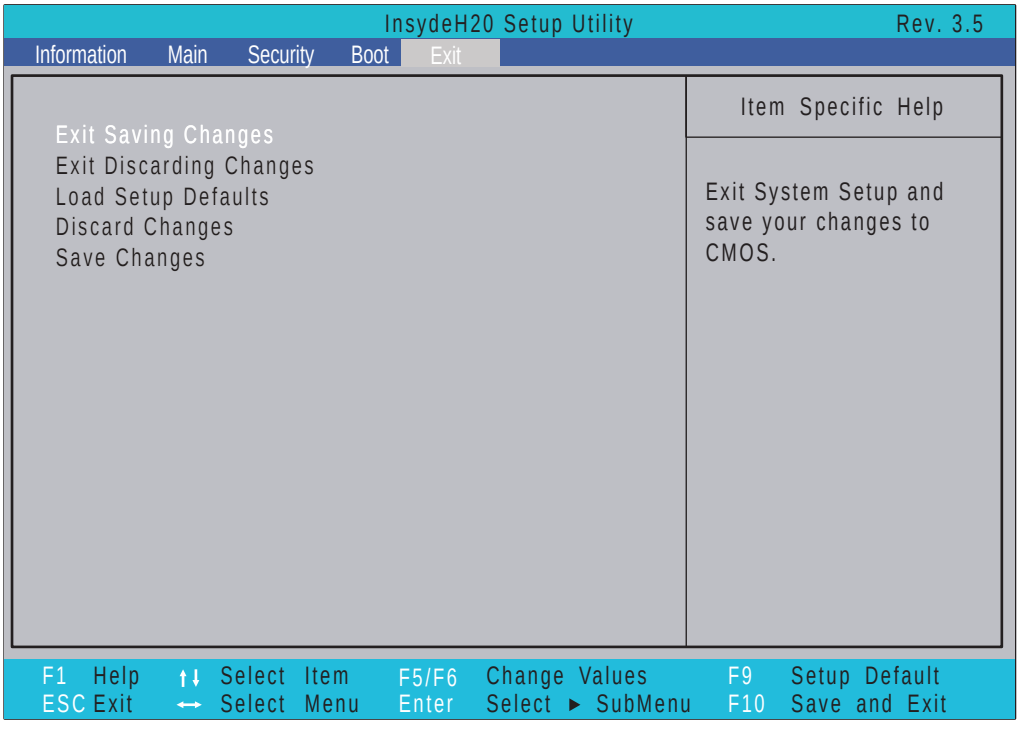
Boot

This menu allows the user to decide the order of boot devices to load the operating system. Bootable devices includes the USB diskette drives, the onboard hard disk drive and the DVD drive in the module bay.



Exit

The Exit screen allows you to save or discard any changes you made and quit the BIOS Utility.



The table below describes the parameters in this screen.

Parameter	Description
Exit Saving Changes	Exit System Setup and save your changes to CMOS.
Exit Discarding Changes	Exit utility without saving setup data to CMOS.
Load Setup Default	Load default values for all SETUP item.
Discard Changes	Load previous values from CMOS for all SETUP items.
Save Changes	Save Setup Data to CMOS.

BIOS Flash Utility

The BIOS flash memory update is required for the following conditions:

- New versions of system programs
- New features or options
- Restore a BIOS when it becomes corrupted.

Use the Phlash utility to update the system BIOS flash ROM.

NOTE: If you do not have a crisis recovery diskette at hand, then you should create a **Crisis Recovery Diskette** before you use the Phlash utility.

NOTE: Do not install memory-related drivers (XMS, EMS, DPMI) when you use the Phlash.

NOTE: Please use the AC adaptor power supply when you run the flashit utility. If the battery pack does not contain enough power to finish BIOS flash, you may not boot the system because the BIOS is not completely loaded.

Follow the steps below to run the Phlash.

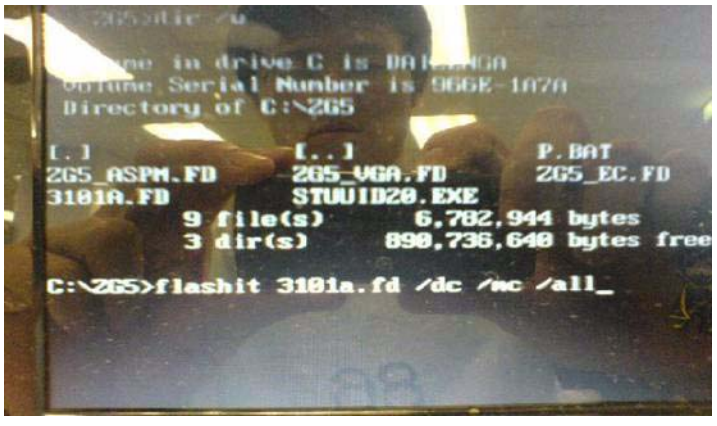
1. Prepare a bootable diskette.
2. Copy the flash utilities to the bootable diskette.
3. Then boot the system from the bootable diskette. The flash utility has auto-execution function.

DOS Flash Utility

Perform the following steps to use the DOS Flash Utility:

1. Copy the BIOS flash tool and the BIOS file to a USB storage disk. Now use this disk to boot the system.

2. Use the DOS command prompt to enter the following command:
   Flashit bios _ver.fd /dc /mc /all

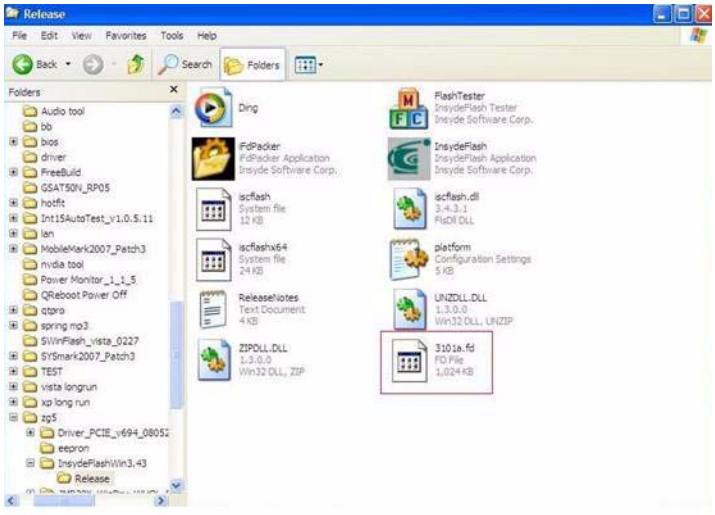


The BIOS flash process begins.

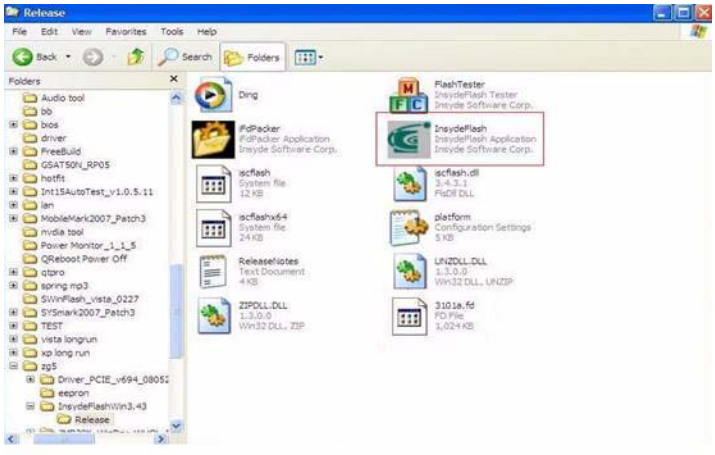
WinFlash Utility

Perform the following steps to use the WinFlash Utility:

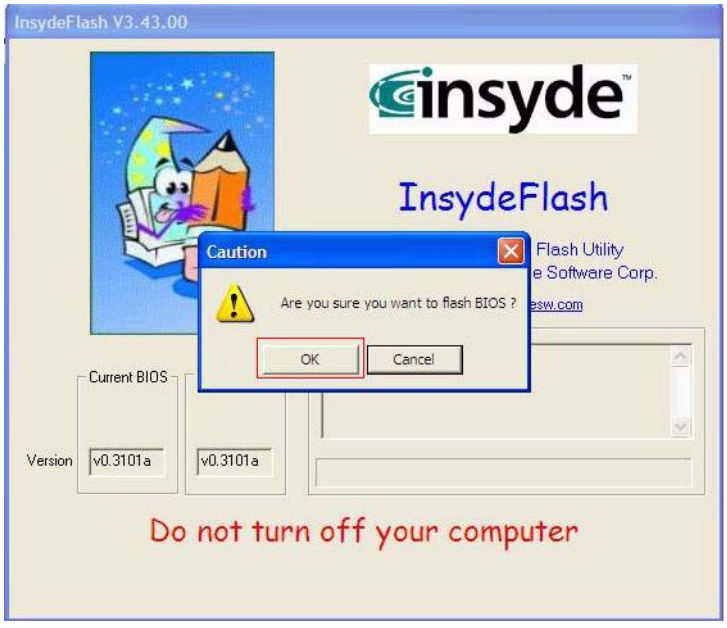
1. Copy the BIOS file into the Winflash folder.



2. Double-click the WinFlash executable file.



3. Click **OK** to begin the update. A progress screen displays.



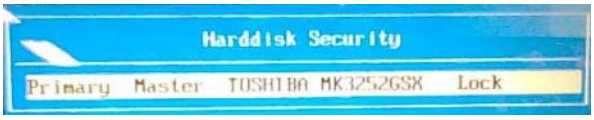
4. When the process is complete, close all programs and applications and reboot the system.

Remove HDD/BIOS Password Utilities

This section provide you with removing HDD/BIOS method:

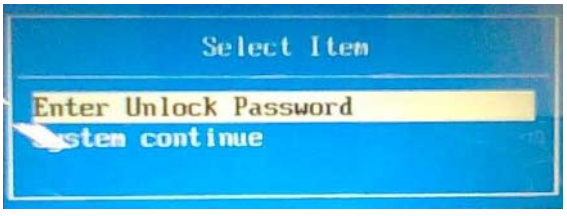
Remove HDD Password:

When the user keys in the wrong password three times, the system reports the following error code to user.



To unlock the HDD password, perform the following steps:

1. Press **Enter** to display the Select Item screen.



2. Select **Enter Unlock Password** and press **Enter**.

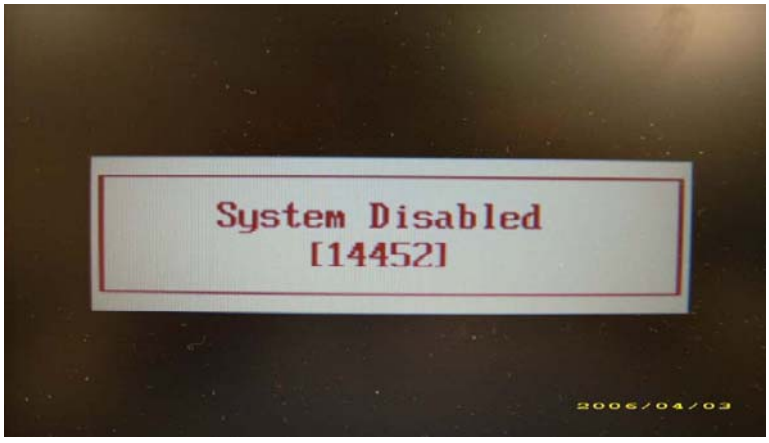
An Unlock Password displays.

3. Make a note of the key, **76943488** in the example.
4. Boot up the system and open a DOS prompt.
5. Enter the **UnlockHD.EXE** command and input the key to create an unlock code. Make a note of the result, for example **46548274**.
6. Reboot and enter the BIOS by pressing F2 when prompted.
7. Go to the Security menu and select Set Hdd Password.

8. Enter the unlock code generated by UnlockHD.EXE as the current password, **46548274** in the example, and complete the **New Password** and **Confirm** fields to create a new HDD password.
9. Save and exit the BIOS to complete the process.

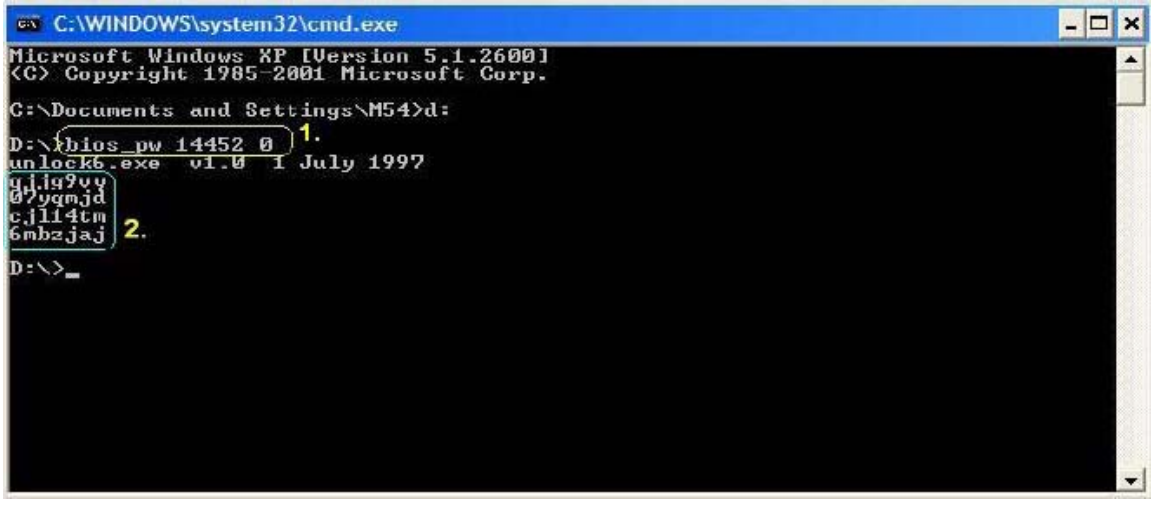
Removing BIOS Passwords:

If you key in the wrong Supervisor Password three times, System Disabled displays on the screen. See the image below.



To reset the BIOS password, run BIOS_PW.EXE as follows:

1. Key in **bios_pw 14452 0**
2. Select one string from the list.



3. Reboot the system and key in the selected string (qjjg9vy, 07yqmjd etc.) for the BIOS user password.

Cleaning BIOS Passwords

To clear the password, perform the following steps:

1. From a DOS prompt, Execute **clnpwd.exe**

```
d:\Clnpwd>clnpwd
ACER Clean Password Utility V1.00
Press 1 or 2 to clean any password shown as below
            1.User Password
            2.Supervisor Password

Clean User Password Successfully!
```

2. Press 1 or 2 to clean the desired password shown on the screen.

The onscreen message determines whether the function is successful or not.

Miscellaneous Utilities

Using Boot Sequence Selector

Boot Sequence Selector allows the boot order to be changes without accessing the BIOS. To use Boot Sequence Selector, perform the following steps:

1. Enter into DOS.
2. Execute BS.exe to display the usage screen.

```
d:\BOOTSEQ>bs

*** Boot Sequence Selecter Version 0.03 ***
Create by Rockwell Chuang 10/01/2005.

Usage:
       BS [ 1 | 2 | 3 | 4 ]

BS 1 : [ Floppy ] => [HardDisk] => [ CD-ROM ] => [  LAN   ]
BS 2 : [HardDisk] => [ CD-ROM ] => [  LAN   ] => [ Floppy ]
BS 3 : [ CD-ROM ] => [HardDisk] => [  LAN   ] => [ Floppy ]
BS 4 : [  LAN   ] => [ Floppy ] => [HardDisk] => [ CD-ROM ]

d:\BOOTSEQ>
```

3. Select the desired boot sequence by entering the corresponding sequence, for example, enter BS2 to change the boot sequence to HDD|CD ROM|LAN|Floppy.

Using DMITools

The DMI (Desktop Management Interface) Tool copies BIOS information to eeprom to be used in the DMI pool for hardware management.

When the BIOS displays **Verifying DMI pool data** it is checking the table correlates with the hardware before sending to the operating system (Windows, etc.).

To update the DMI Pool, perform the following steps:

1. Enter into DOS.
2. Execute **dmitools.exe**. The following messages show dmitools usage:

```
*** Compal DMI String R/W Utility Ver1.40 for 2006/03/14 ***

 Usage:

   DMITOOLS [ /R | /WP | /WS | /WU ] [ STRING ]

      [/R]    : Read DMI Information from Memory
      [/WM]   : Write Manufacturer Name to EEPROM. (Max.= 16 characters)
      [/WP]   : Write Product Name to EEPROM.      (Max.= 16 characters)
      [/WS]   : Write Serial Number to EEPROM      (Max.= 22 characters)
      [/WU]   : Write UUID to EEPROM.              (Ignore String       )
      [/WA]   : Write Asset Tag to EEPROM.         (Max.= 32 characters)
```

IMPORTANT: The following write examples (2 to 5) require a system reboot to take effect

Example 1: Read DMI Information from Memory

Input:

dmitools /r

Output:

Manufacturer (Type1, Offset04h): Acer

Product Name (Type1, Offset05h): Aspire one xxxxx

Serial Number (Type1, Offset07h): 01234567890123456789

UUID String (Type1, Offset08h): xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

Asset Tag (Type3, Offset04h): Acer Asstag

Example 2: Write Product Name to EEPROM

Input:

dmitools /wp Acer

Example 3: Write Serial Number to EEPROM

Input:

dmitools /ws 01234567890123456789

Example 4: Write UUID to EEPROM

Input:

dmitools /wu

Example 5: Write Asset Tag to EEPROM

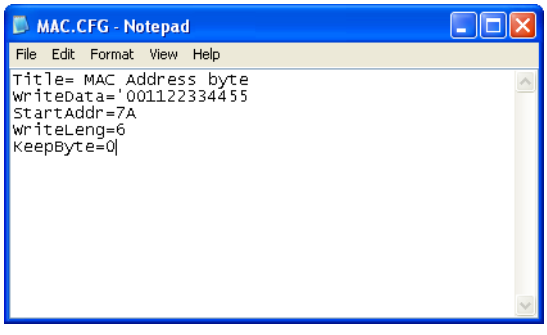
Input:

dmitools /wa Acer Asstag

Using the LAN MAC Utility

Perform the following steps to write MAC information to eeprom:

1. Use a text editor, for example Notepad, to edit the MAC.CFG file as shown:



   - WriteData= '001122334455' <------- MAC value
   - StartAddr=7A <------- MAC address
   - WriteLeng=6 <------- MAC value length
   - KeepByte=0 <------- can be any value
2. Boot into DOS.
3. Execute **MAC.BAT** to write MAC information to eeprom.

Machine Disassembly and Replacement

IMPORTANT: This disassembly procedure represents two separate SKUs for the Aspire one; the HDD and SSD models. The procedures outlined use the **SSD model** unless otherwise stated.

This chapter contains step-by-step procedures on how to disassemble the notebook computer for maintenance and troubleshooting.

Disassembly Requirements

To disassemble the computer, you need the following tools:

- Wrist grounding strap and conductive mat for preventing electrostatic discharge
- Flat screwdriver
- Philips screwdriver
- Plastic flat screwdriver
- Plastic tweezers

NOTE: The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components.

Related Information

The product previews seen in the disassembly procedures may not represent the final product color or configuration.

General Information

IMPORTANT: This disassembly procedure represents two separate SKUs for the Aspire one; the HDD and SSD models. The procedures outlined use the **SSD model** unless otherwise stated.

Pre-disassembly Instructions

Before proceeding with the disassembly procedure, make sure that you do the following:

1. Turn off the power to the system and all peripherals.
2. Unplug the AC adapter and all power and signal cables from the system.

3. Place the system on a flat, stable surface.
4. Remove the battery pack.

Disassembly Process

The disassembly process is divided into the following sections:

- External components disassembly
- Main unit disassembly
- LCD module disassembly

The flowcharts provided in the succeeding disassembly sections illustrate the entire disassembly sequence. Observe the order of the sequence to avoid damage to any of the hardware components. For example, if you want to remove the Mainboard, you must first remove the Keyboard then disassemble the inside assembly frame in that order.

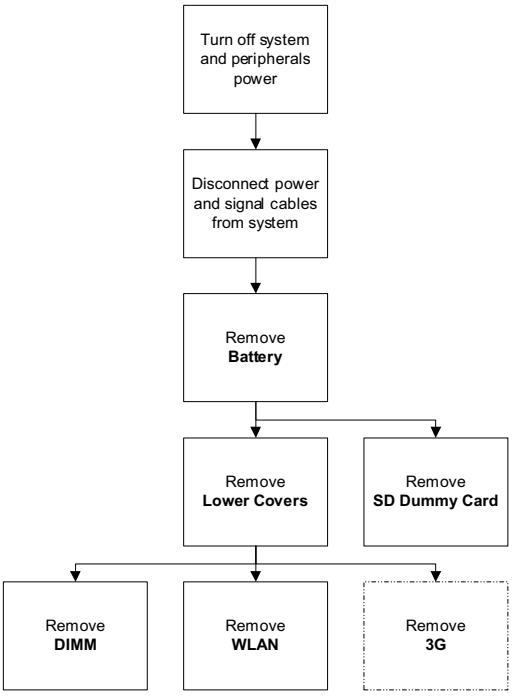
Main Screw List

Screw	Quantity	Part Number
M2.0*5.0	16	86.S0207.002
M2.0*3.0	29	86.S0207.001
M2.0*2.0	2	86.W4107.002
M2.0*6.0	3	86.S6507.001
M1.6*2.5	2	86.S6507.002
M2.0*4.0	3	86.S6507.003

External Module Disassembly Process

IMPORTANT: This disassembly procedure represents two separate SKUs for the Aspire one; the HDD and SSD models. The procedures outlined use the **SSD model** unless otherwise stated.

External Modules Disassembly Flowchart



NOTE: Items enclosed with broken lines (— - - —) are optional and may not be present.

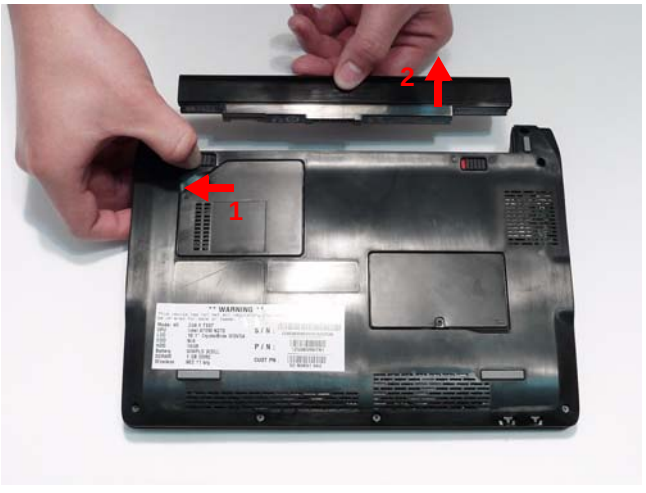
Screw List

Step	Screw	Quantity	Part No.
WLAN Module	M2*3	1	86.S0207.001
3G Module	M2*3	1	86.S0207.001

Removing the Battery Pack

1. Turn the computer over.
2. Slide the battery lock/unlock latch to the unlock position.

3. Slide and hold the battery release latch to the release position (1), then slide out the battery pack from the main unit (2).



Removing the SD Dummy Card

1. Push the SD dummy card all the way in to eject it.

2. Pull the card out from the slot.

Removing the Lower Covers

1. See “Removing the Battery Pack” on page 42.
2. Loosen the two captive screws in Memory (red callout) and Wireless covers (green callout).

3. Lift the Memory Cover up to remove.

4. Lift the Wireless Cover up to remove.

Removing the DIMM Module

1. See “Removing the Lower Covers” on page 44.
2. Push out the release latches on both sides of the DIMM socket to release the DIMM module.

3. Remove the DIMM module.

Removing the WLAN Module

IMPORTANT: The following disassembly images represent the optional 3G model. The 3G module on the left of the images may not be present.

1. See “Removing the Lower Covers” on page 44.
2. Disconnect the antenna cables from the WLAN Module.

IMPORTANT: The black cable attaches to the **Main** terminal and the white (or gray for models without the optional 3G module) cable attaches to the **AUX** terminal.

3. Move the antennas away and remove the single screw on the WLAN Module.

Step	Size	Quantity	Screw Type
WLAN Module	M2*3	1	

4. Detach the WLAN Module from the WLAN socket.

NOTE: When reattaching the antennas, ensure the cables are tucked into the chassis to prevent damage.

Removing the 3G Module

IMPORTANT: The 3G Module is only available on certain models.

1. See “Removing the Lower Covers” on page 44.
2. Disconnect the antenna cables from the 3G Module.

IMPORTANT: The yellow cable attaches to the **M** (Main) terminal and the blue cable attaches to the **A** (Aux) terminal.

3. Move the antennas away and remove the single screw on the 3G Module.

Step	Size	Quantity	Screw Type
3G Module	M2*3	1	

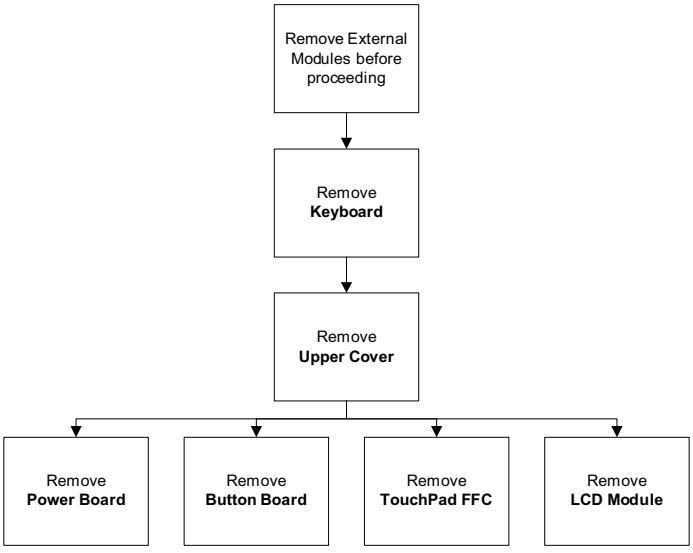
4. Detach the 3G Module from the socket.

NOTE: When reattaching the antennas, ensure the cables are tucked into the chassis to prevent damage.

Upper Cover Disassembly Process

IMPORTANT: This disassembly procedure represents two separate SKUs for the Aspire one; the HDD and SSD models. The procedures outlined use the **SSD model** unless otherwise stated.

Upper Cover Disassembly Flowchart



Screw List

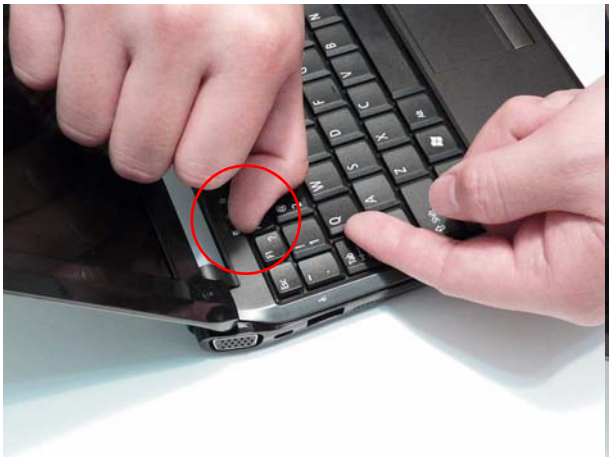
Step	Screw	Quantity	Part No.
Upper Cover	M2*6	3	86.S6507.001
	M2*5	8	86.S0207.002
	M2*3	7	86.S0207.001
Power Board	M2*2	2	86.W4107.002
Button Board	M2*3	2	86.S0207.001
LCD Module	M2*5	2	86.S0207.002

Removing the Keyboard

1. See “Removing the Battery Pack” on page 42.
2. Turn the computer rightside up and open the lid to the full extent.
3. Locate the three securing latch at the top of the Keyboard as shown.

4. Gently lift the Keyboard using one of the keys as shown and unlock the three securing latches above the **F2**, **F8**, and **Pause/Break** keys by pressing down with a thumb.

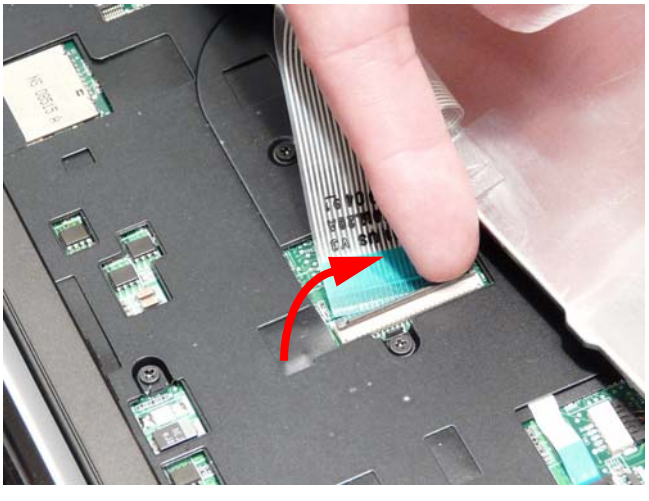
IMPORTANT: The use of a plastic tool may help to release the latches. Do not use excessive force or metal tools.



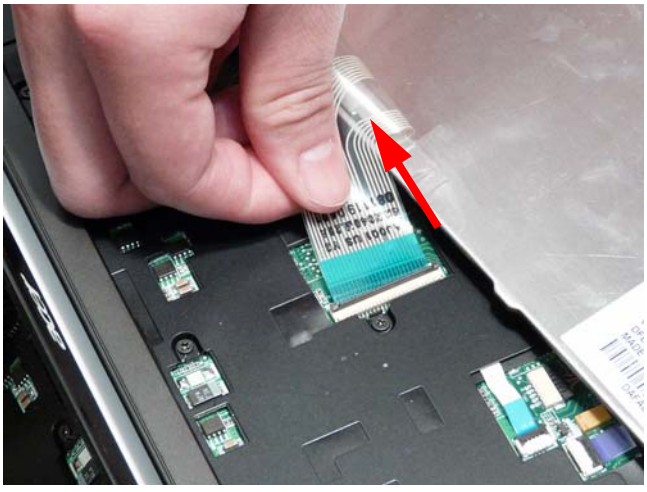
5. Grasp the Keyboard and lift upward in the centre as shown.

6. Turn the Keyboard over and place it on the TouchPad area as shown.

7. Lift the Keyboard FFC securing latch as shown.



8. Disconnect the FFC and remove the Keyboard.

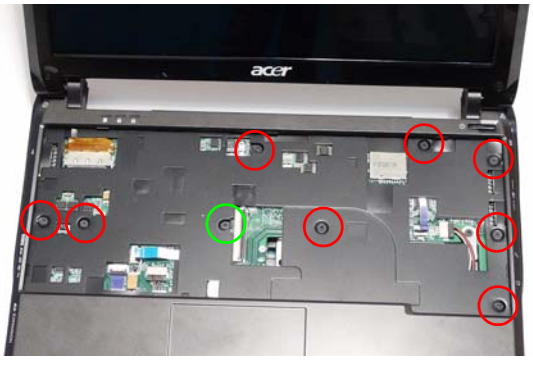


Removing the Upper Cover

1. See “Removing the Lower Covers” on page 44.
2. Turn the computer over. Remove the seven securing screws.

Step	Size	Quantity	Screw Type
Upper Cover (red callouts)	M2*6	3	
Upper Cover (green callouts)	M2*3	4	

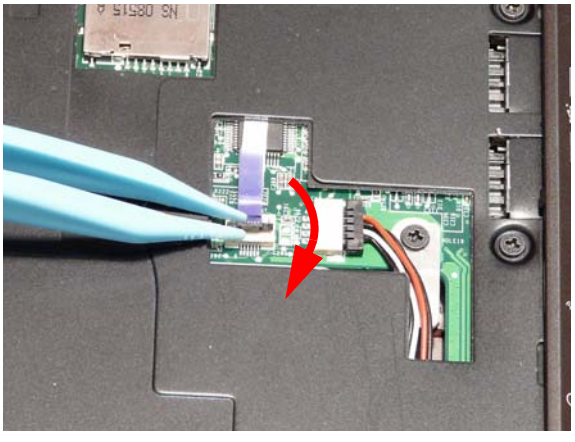
3. Turn the computer over and remove the nine screws securing the Upper Cover.



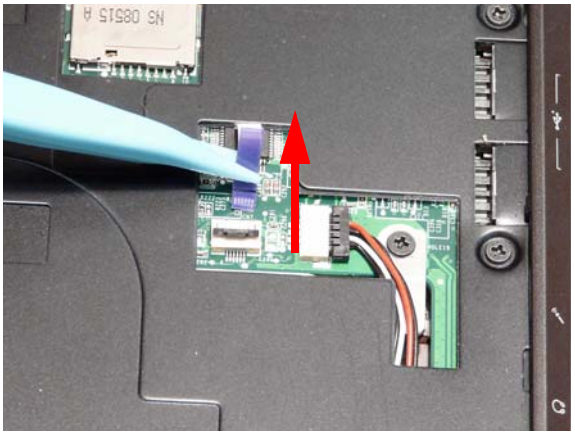
Step	Size	Quantity	Screw Type
Upper Cover (red callouts)	M2*5	8	
Upper Cover (green callout)	M2*3	1	

4. Disconnect the following cables from the Mainboard.

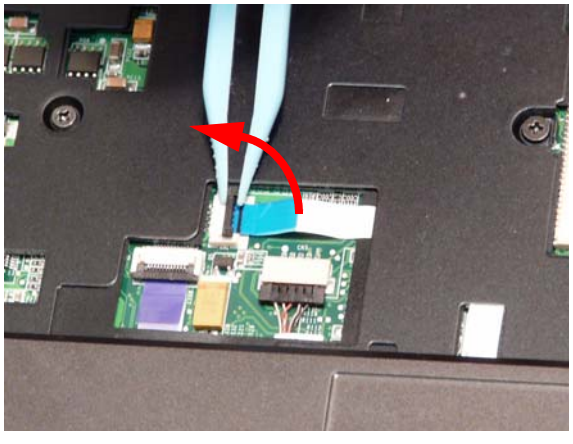
Release the locking latch on A as shown.



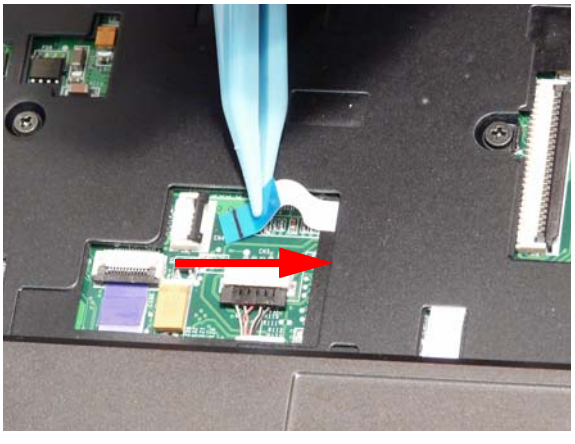
Disconnect A from the Mainboard.



Release the locking latch on B as shown.



Disconnect B from the Mainboard.

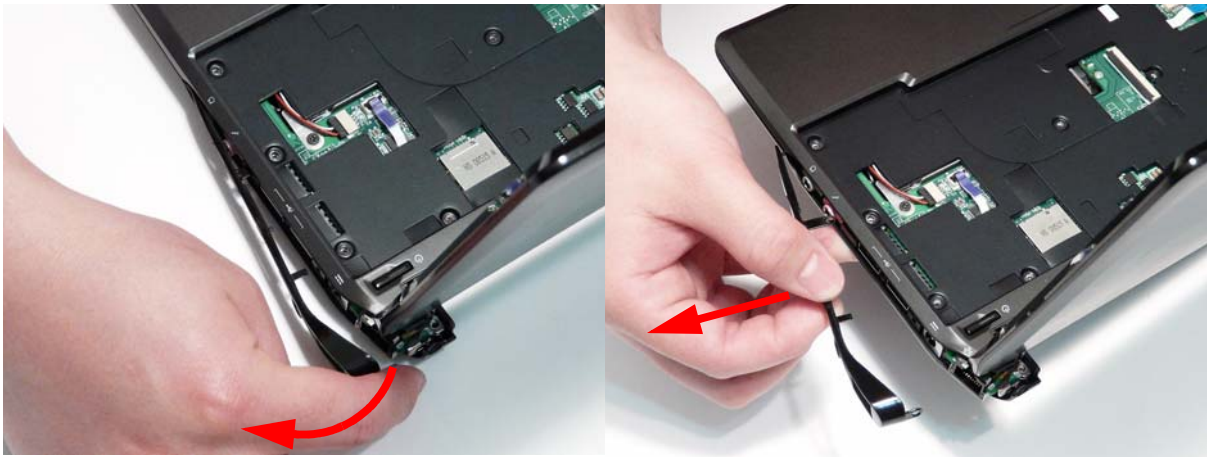


5. Close the lid and turn the computer around to access the two securing screws on the hinge covers.
6. Remove the two securing screws as shown.

Step	Size	Quantity	Screw Type
Hinge Cover	M2*3	2	

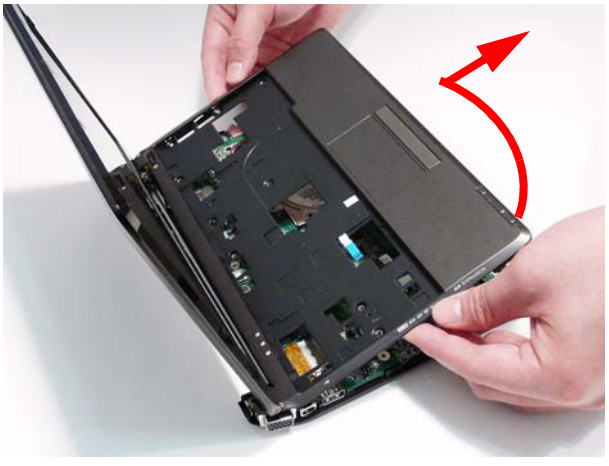
7. Grasp the hinge covers and remove them using a side-to-side motion as indicated.

8. Open the lid and turn the computer around to access the two side covers.
9. Grasp the rear edge of the right side cover, as shown, and pry it away from the Upper Cover.



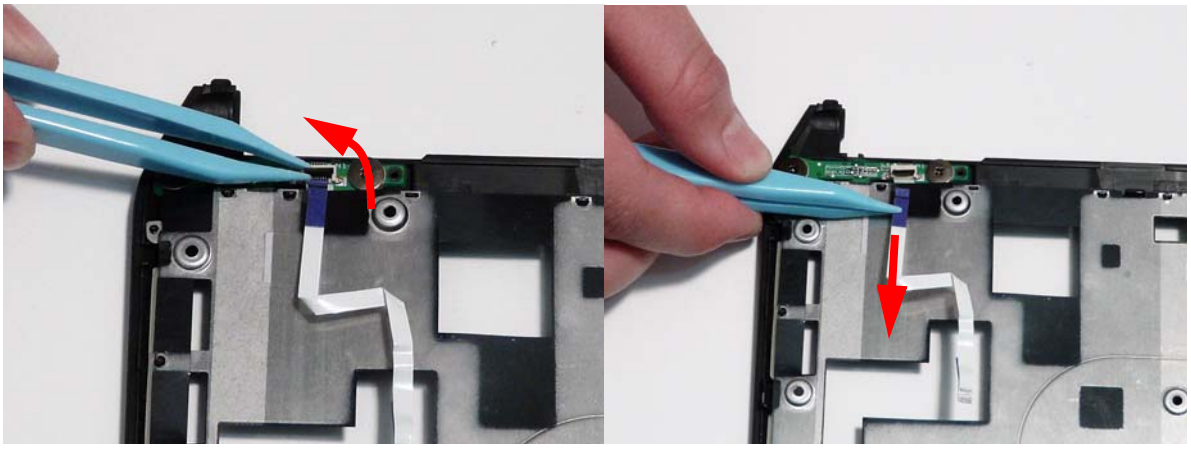
10. Grasp the rear edge of the left side cover, as shown, and pry it away from the Upper Cover.

11. Lift the Upper Cover clear of the computer in the direction of the arrow.

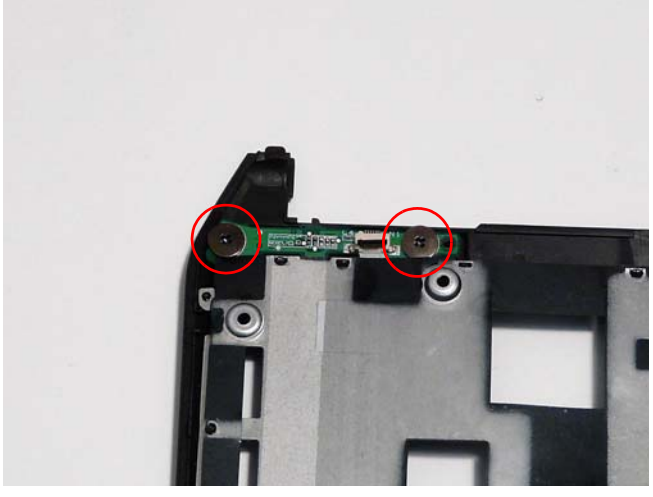


Removing the Power Board

1. See “Removing the Upper Cover” on page 54.
2. Open the FFC locking latch as shown and remove the FFC.

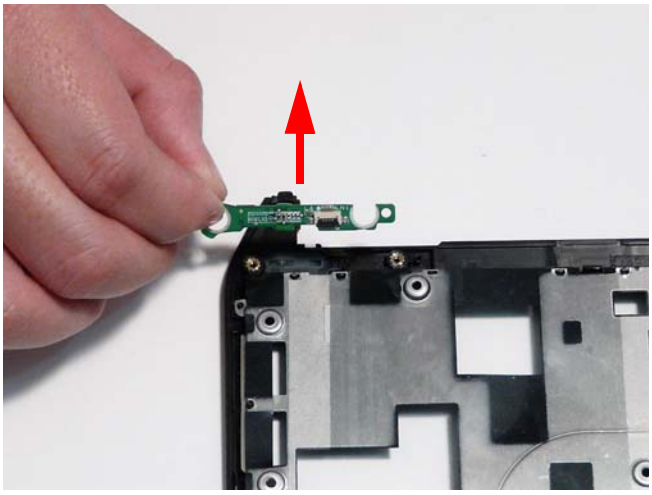


3. Remove the two securing screws from the Power Board.



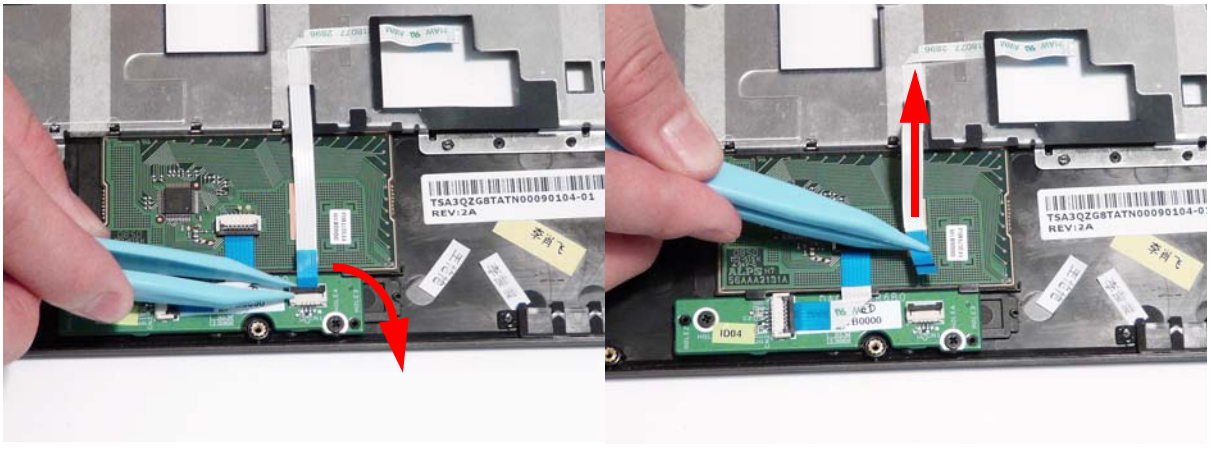
Step	Size	Quantity	Screw Type
Power Board	M2*2	2	

4. Remove the board from the Upper Cover.

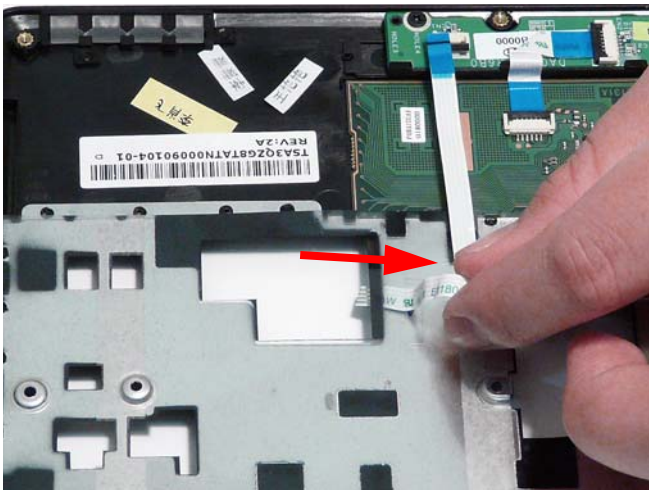


Removing the Button Board

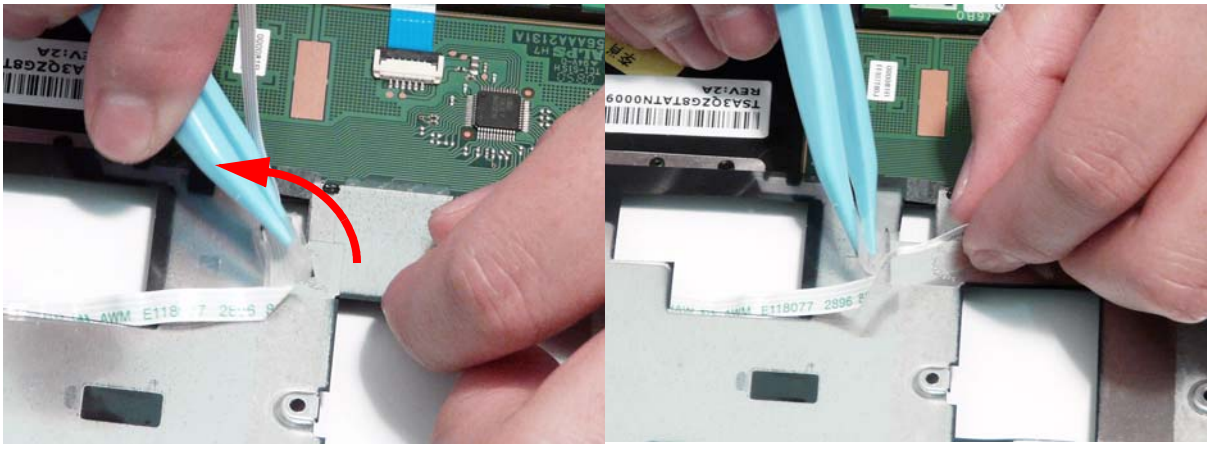
1. See “Removing the Upper Cover” on page 54.
2. Open the Mainboard FFC locking latch and remove the FFC as shown.



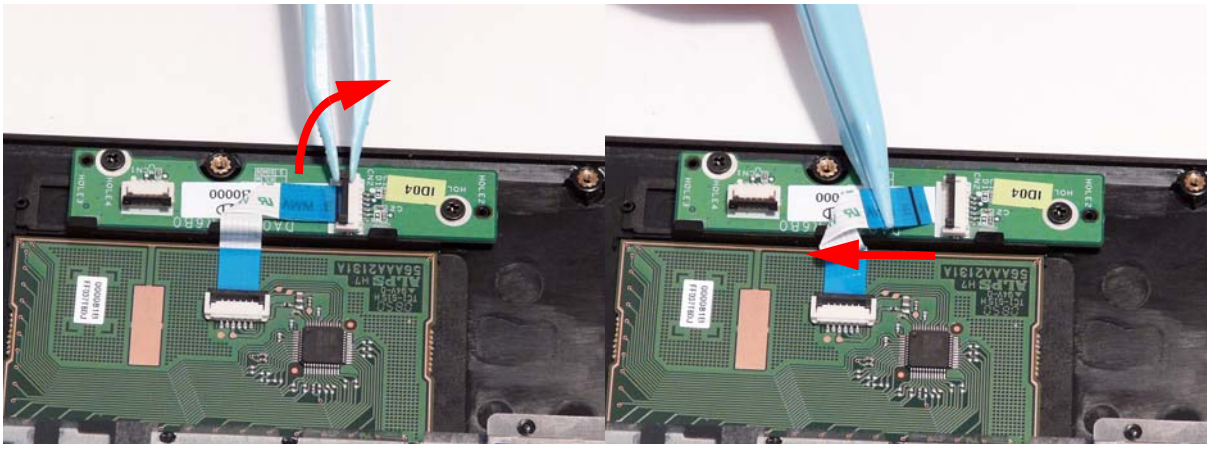
3. Grasp the other end of the Mainboard FFC and pass the cable between the plastic and cover.



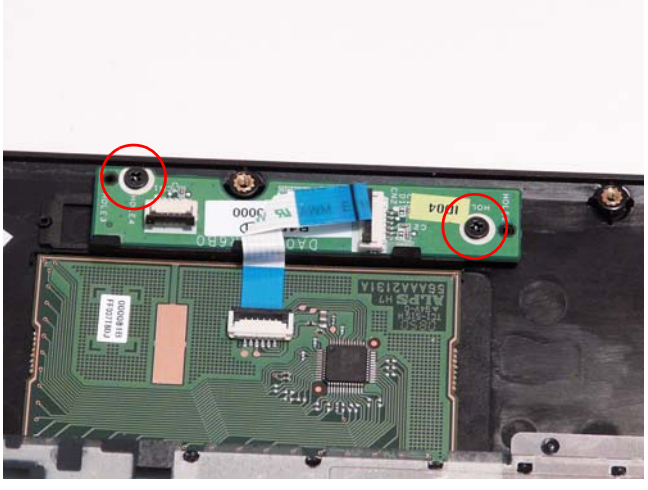
4. Peel back the plastic strip and release the Mainboard FFC from the adhesive to remove the cable.



5. Open the TouchPad FFC locking latch and remove the FFC as shown.

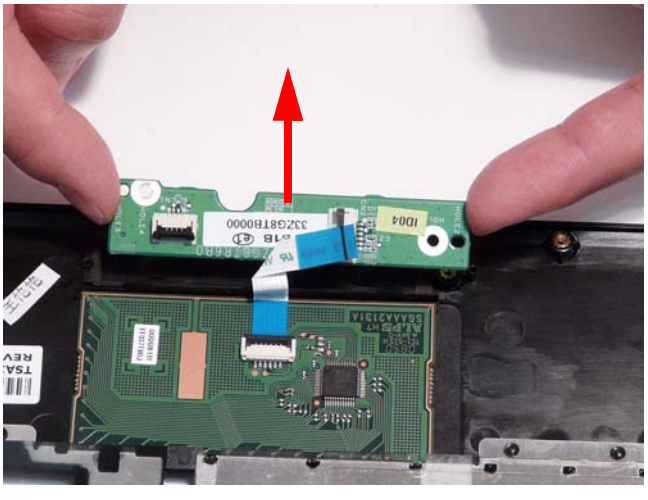


6. Remove the two securing screws from the Button Board.



Step	Size	Quantity	Screw Type
Button Board	M2*3	2	

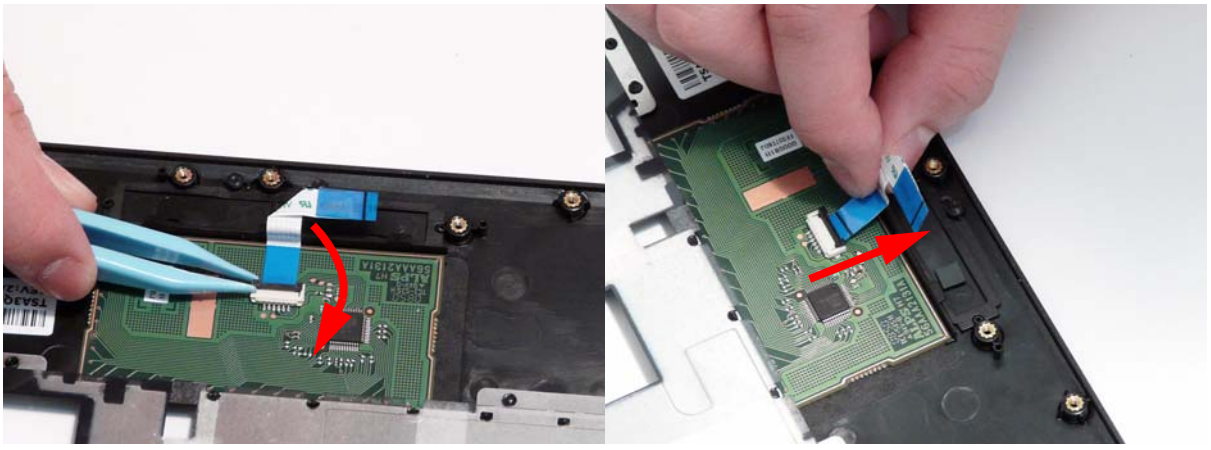
7. Lift the Button Board clear of the Upper Cover.



Removing the TouchPad FFC

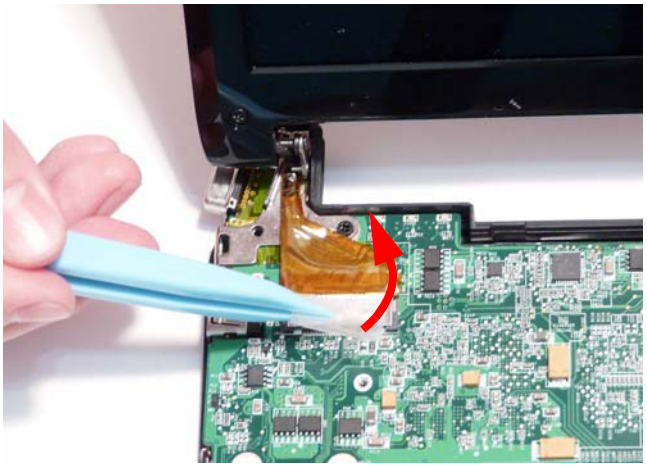
IMPORTANT: It is not possible to remove the TouchPad on the Aspire one. If the TouchPad malfunctions, follow the disassembly steps to remove any additional components on the Upper Cover and replace the entire Upper Cover.

1. See “Removing the Button Board” on page 60.
2. Open the TouchPad FFC locking latch and remove the FFC as shown.

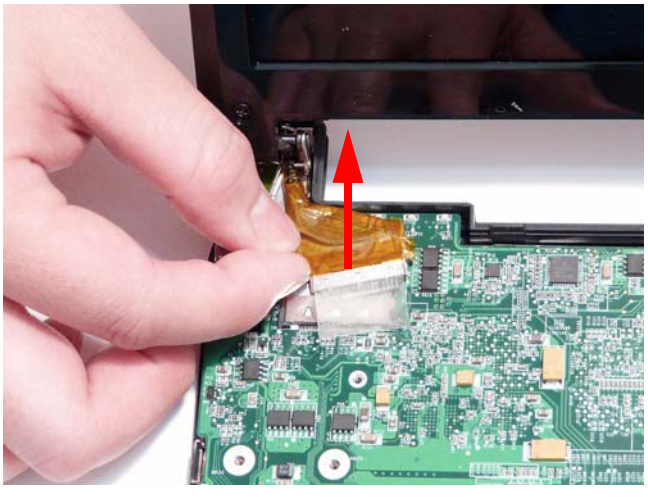


Removing the LCD Module

1. See “Removing the Upper Cover” on page 54.
2. Lift the adhesive strip securing the LCD power cable in place.



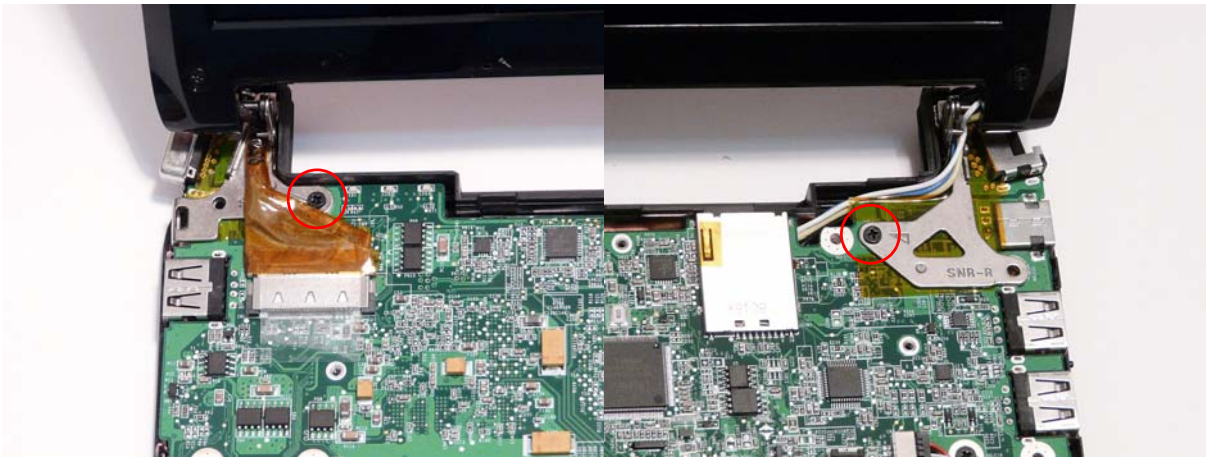
3. Disconnect the LCD power cable as shown.



4. Carefully pull the antenna and 3G cables through from the underside of the computer.

   NOTE: The 3G Module is only available on certain models. If 3G is not supported, only the two WLAN cables must be removed.

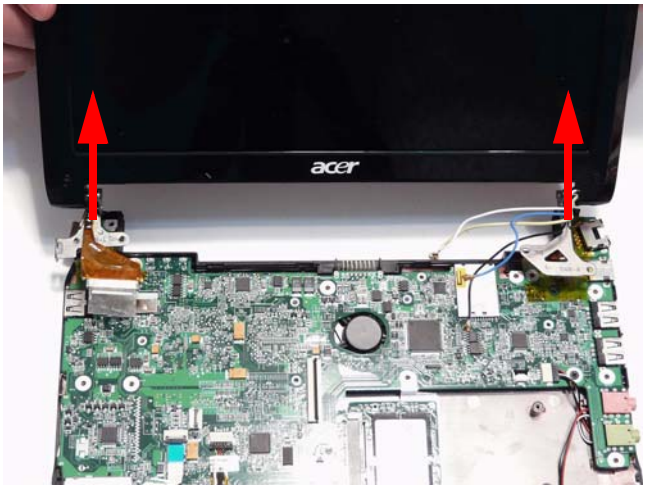
5. Remove the two securing screws from the LCD brackets.



Step	Size	Quantity	Screw Type
LCD Module	M2*5	2	

IMPORTANT: Ensure all cables are clear of the lower cover before removing the LCD module.

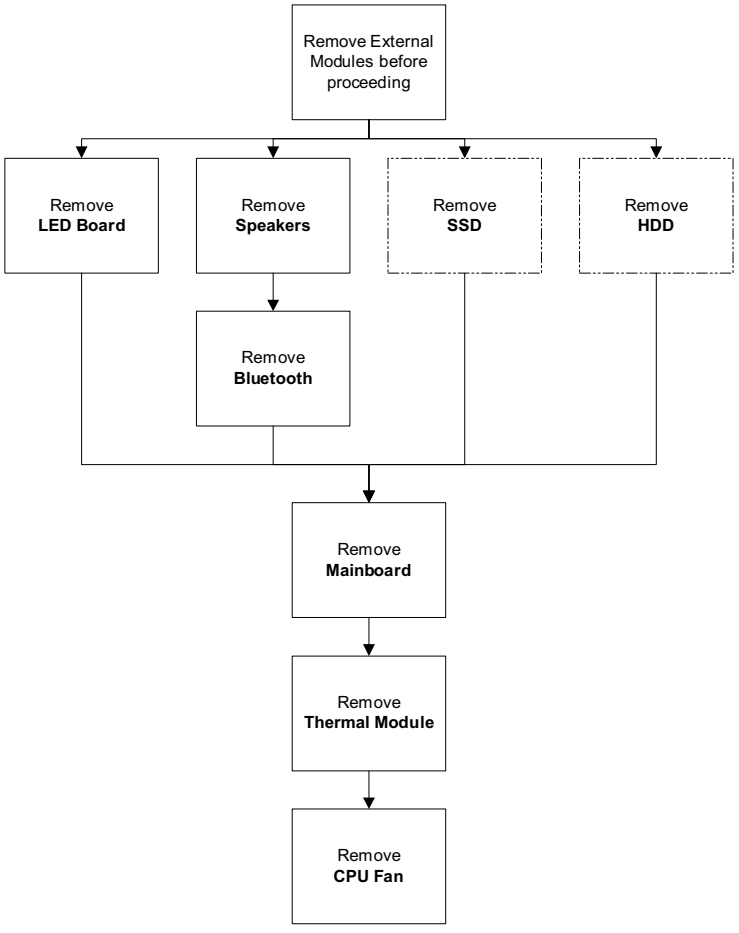
6. Grasp the module with both hands and lift upwards.



Lower Cover Disassembly Process

IMPORTANT: The Lower Cover disassembly procedure is split in to two separate sections for the SSD and HDD models, though the flowchart and other components are identical.

Lower Cover Disassembly Flowchart



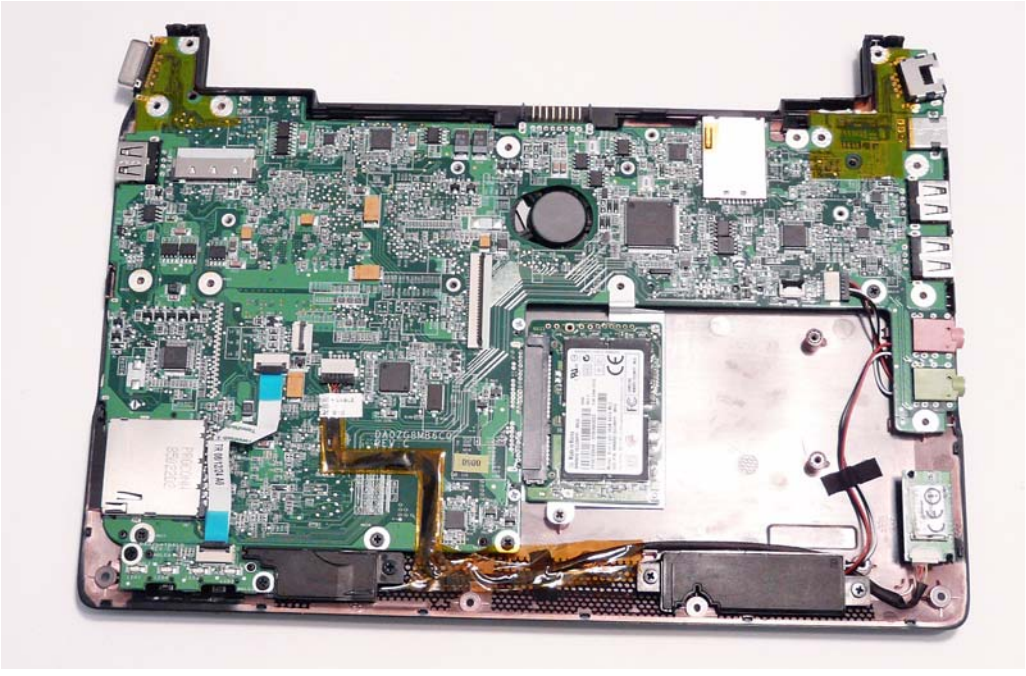
NOTE: Items enclosed with broken lines (— - - —) are optional and may not be present.

Screw List

Step	Screw	Quantity	Part No.
LED Board	M2*3	2	86.S0207.001
Speaker Module	M2*4	3	86.S6507.003
SSD Module (SSD SKU only)	M2*3	1	86.S0207.001
SSD Carrier (SSD SKU only)	M1.6*2.5	2	86.S6507.002
HDD Module (HDD SKU only)	M2*3	3	86.S0207.001
HDD Carrier (HDD SKU only)	M2*3	4	86.S0207.001
Mainboard (SSD and HDD SKU)	M2*3	3	86.S0207.001
Mainboard (SSD SKU only)	M2*3	1	86.S0207.001
Thermal Module	M2*3	3	86.S0207.001
CPU Fan	M2*3	1	86.S0207.001

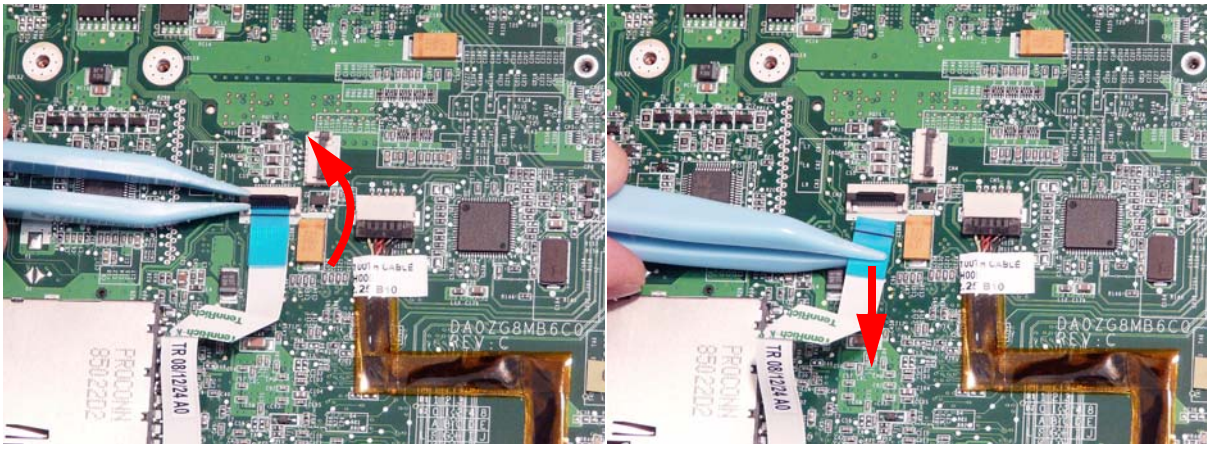
SSD SKU Disassembly Procedure

The SSD SKU Lower Assembly appears as shown after removal of the Upper Cover and LCD Module.

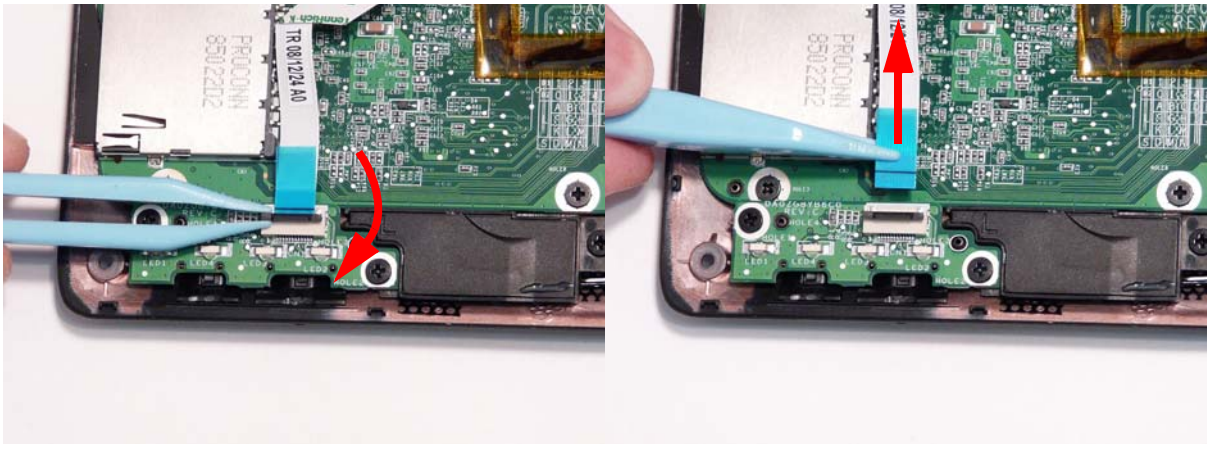


Removing the LED Board

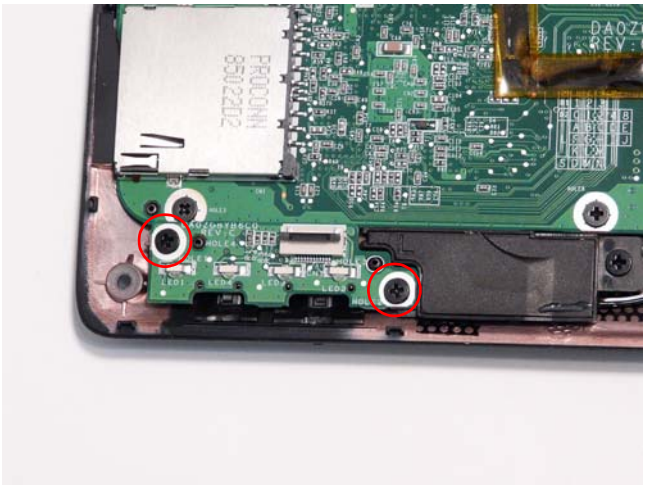
1. See “Removing the Upper Cover” on page 54.
2. Open the Mainboard FFC locking latch and remove the FFC as shown.



3. Open the LED Board FFC locking latch and remove the FFC as shown.

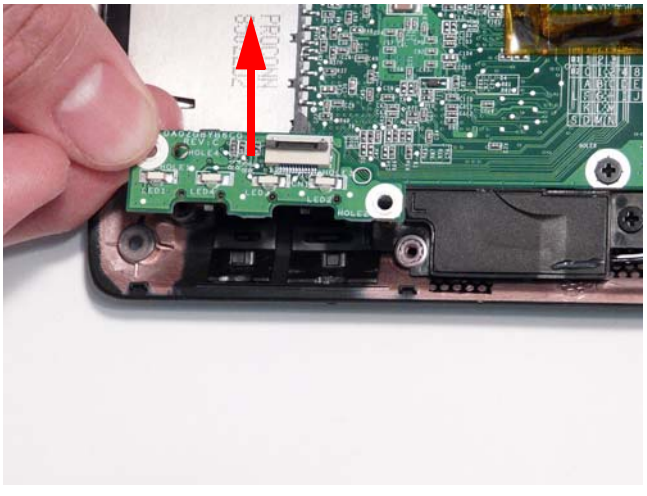


4. Remove the two securing screws from the LED Board.



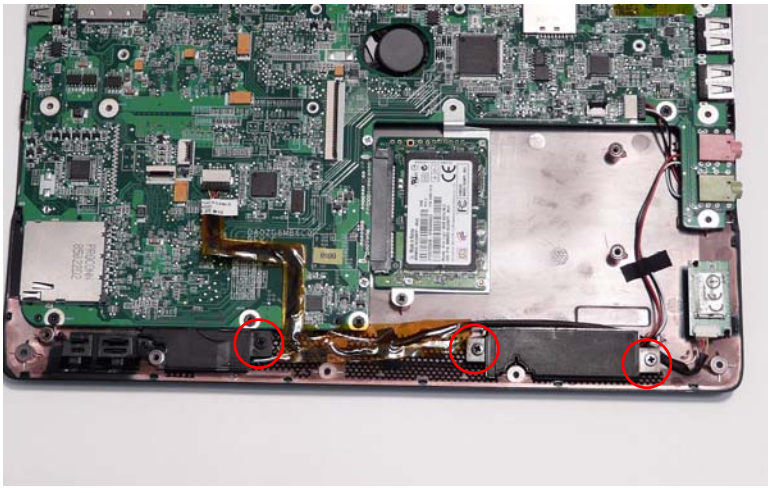
Step	Size	Quantity	Screw Type
LED Board	M2*3	2	

5. Lift the LED Board clear of the Lower Cover.



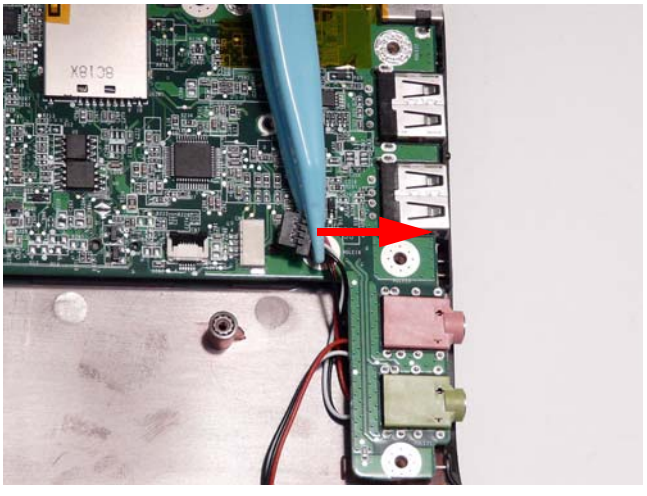
Removing the Speaker Module

1. See “Removing the Upper Cover” on page 54.
2. Remove the three securing screws from the Speaker Module.

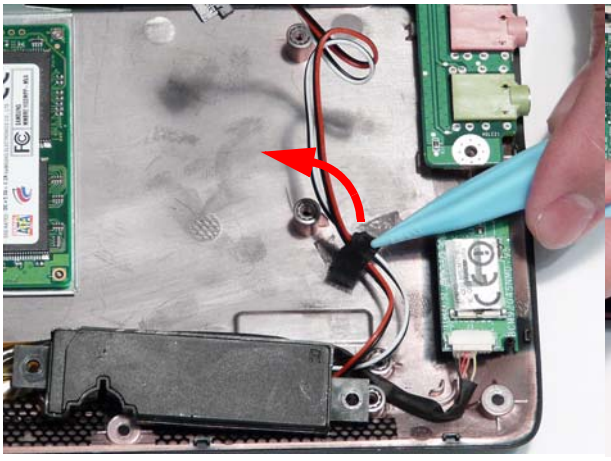


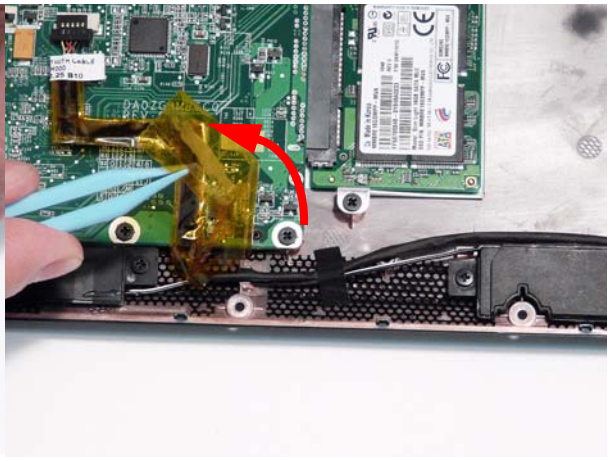
Step	Size	Quantity	Screw Type
Speaker Module	M2*4	3	

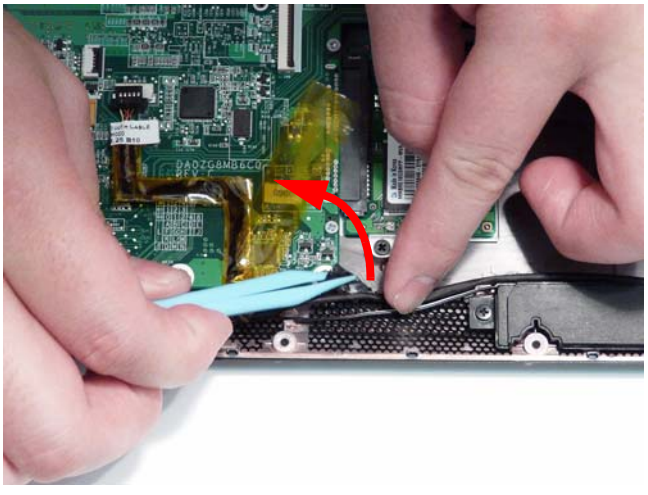
3. Disconnect the Speaker cable from the Mainboard.



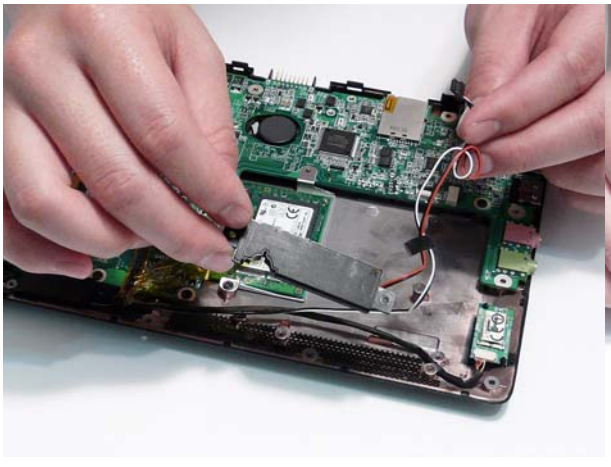
4. Remove the adhesive strips holding the cable in place.

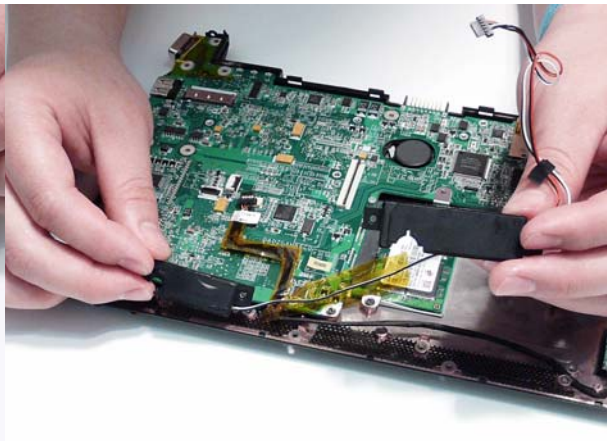






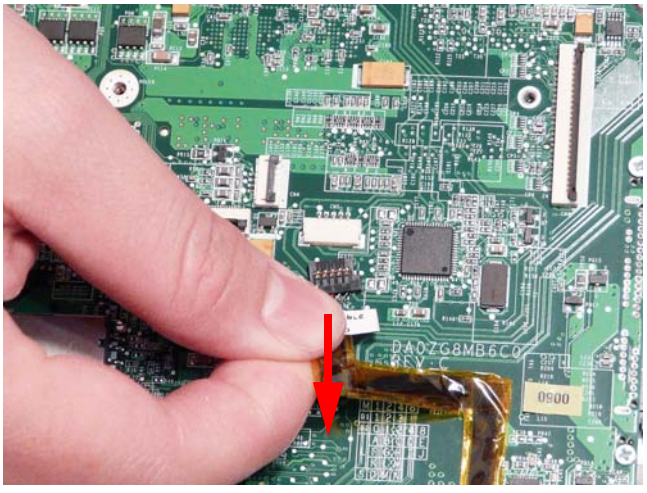
5. Lift the left and right side speakers from the Lower Cover as shown.



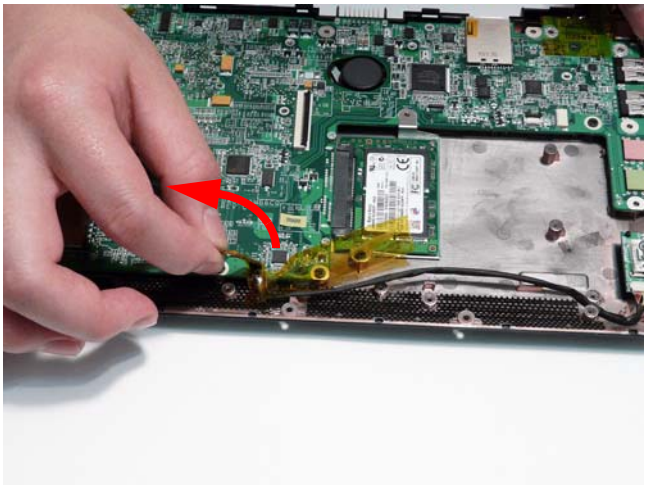


Removing the Bluetooth Module

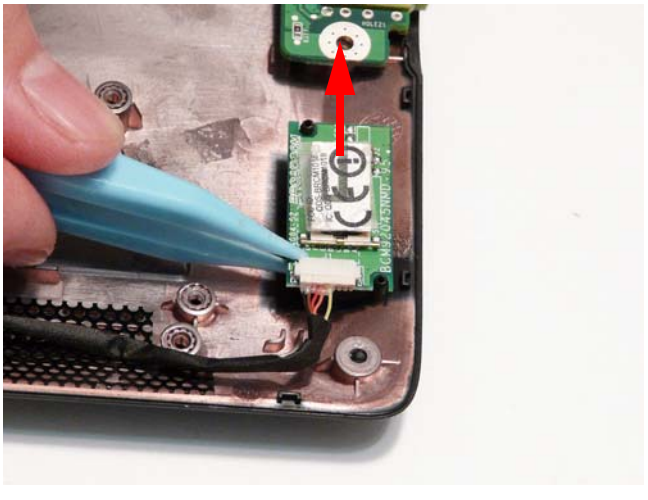
1. See “Removing the Upper Cover” on page 54.
2. Disconnect the Bluetooth cable from the Mainboard.



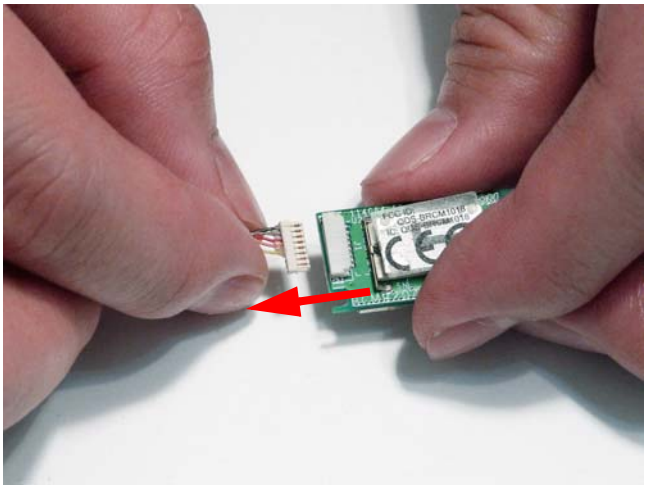
3. Lift the cable as shown to disengage the adhesive strip from the Mainboard.



4. Lift the Bluetooth Module upward to disengage the adhesive holding the module in place.

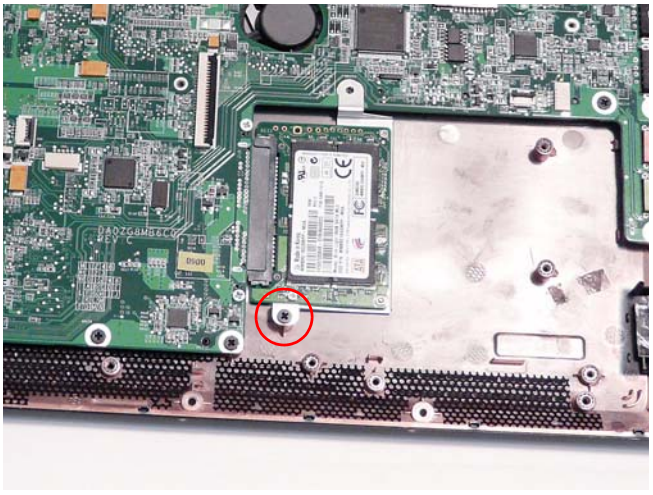


5. Disconnect the Bluetooth cable from the module.



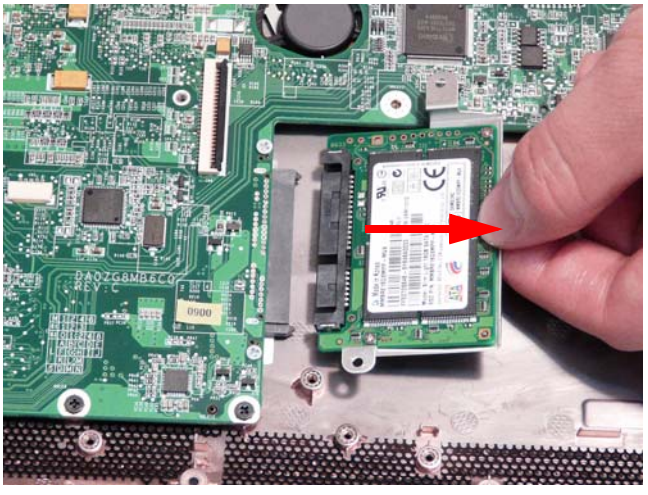
Removing the Solid State Disk Drive Module

1. See “Removing the Upper Cover” on page 54.
2. Remove the single securing screw from the SSD Module.



Step	Size	Quantity	Screw Type
SSD Module	M2*3	1	

3. Slide the SSD Module in the direction of the arrow to disconnect the interface. Remove the module from the Lower Cover.



4. Remove the two screws securing the SSD to the carrier.

Step	Size	Quantity	Screw Type
SSD Carrier		2	

5. Remove the SSD from the carrier.

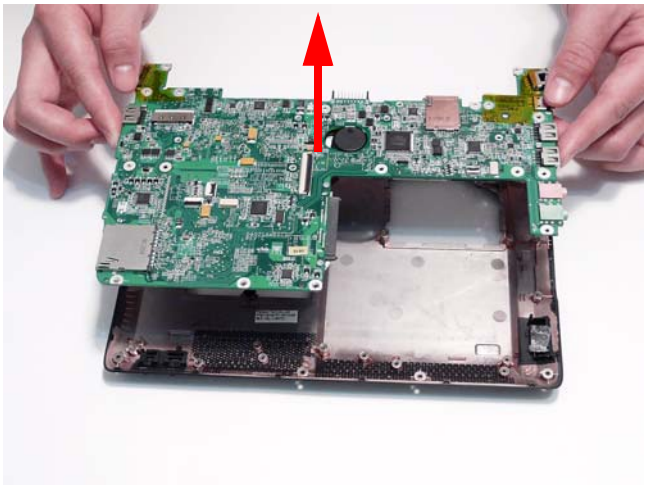
Removing the Mainboard

1. See “Removing the LCD Module” on page 63.
2. See “Removing the Speaker Module” on page 69.
3. See “Removing the Bluetooth Module” on page 71.
4. See “Removing the Solid State Disk Drive Module” on page 73 or “Removing the Hard Disk Drive Module” on page 87, depending on the model purchased.
5. Remove the four (or three for the HDD SKU) screws securing the Mainboard to the Lower Cover.

   NOTE: The HDD SKU Mainboard is secured with three screws.

Step	Size	Quantity	Screw Type
Mainboard (red callout—SSD and HDD SKU)	M2*3	3	
Mainboard (green callout—SSD SKU only)	M2*3	1	

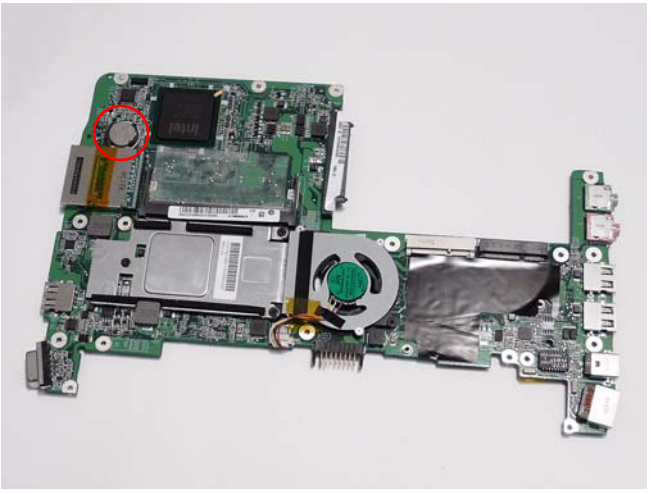
6. Lift the Mainboard using both hands and remove it from the Lower Cover.



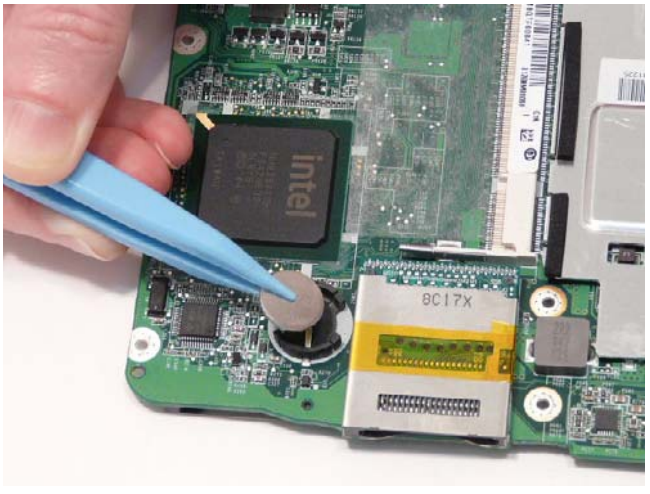
Removing the RTC Battery

IMPORTANT: Follow local regulations for disposal of all batteries.

1. See “Removing the Mainboard” on page 75.
2. Turn the Mainboard over and locate the RTC Battery.

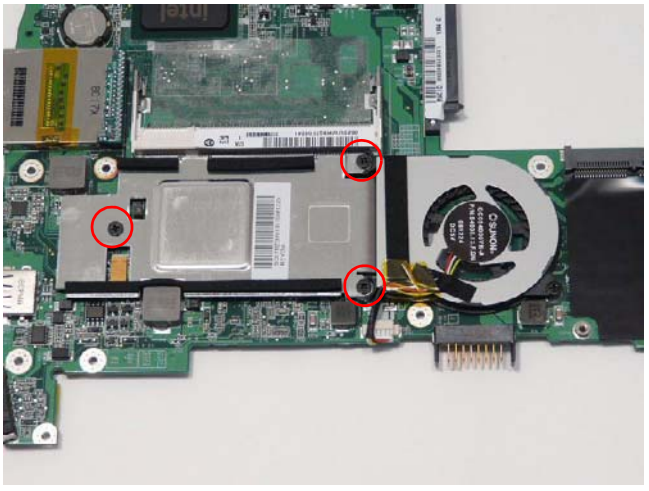


3. Lift the battery out of the Mainboard socket as shown.



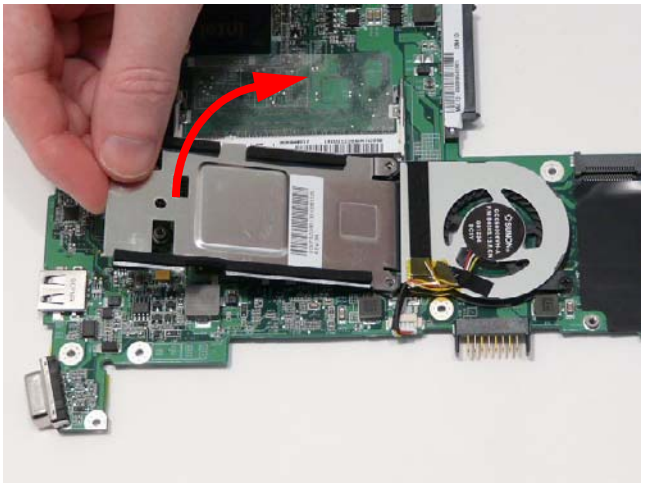
Removing the Thermal Module

1. See “Removing the Mainboard” on page 75.
2. Turn the Mainboard CPU side up, and place it on a clean surface.
3. Remove the three securing screws from the Thermal Module.



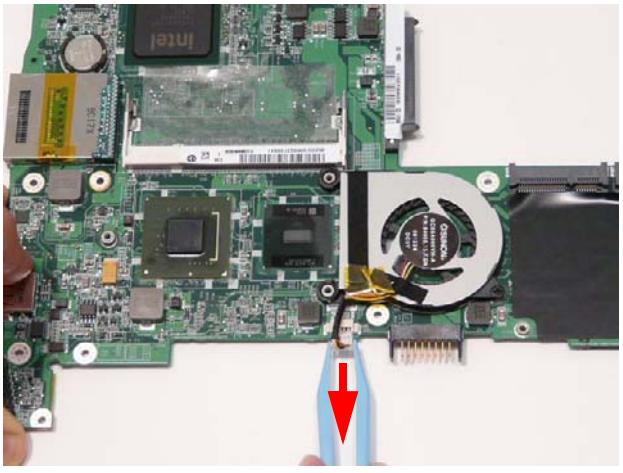
Step	Size	Quantity	Screw Type
Thermal Module	M2*3	3	

4. Grasp the Thermal Module and lift it clear of the Mainboard.

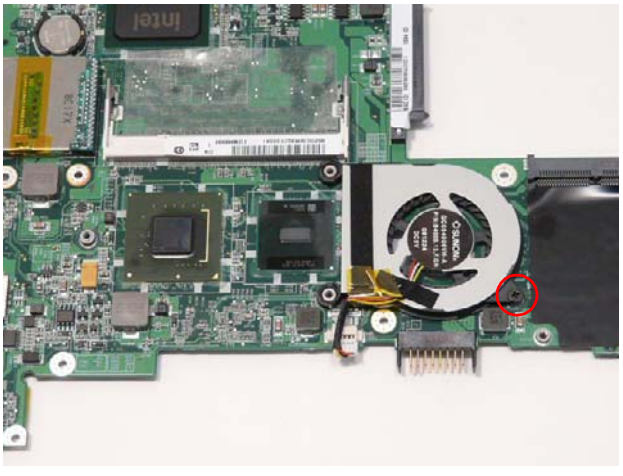


Removing the CPU Fan

1. See “Removing the Thermal Module” on page 77.
2. Disconnect the CPU Fan power cable.

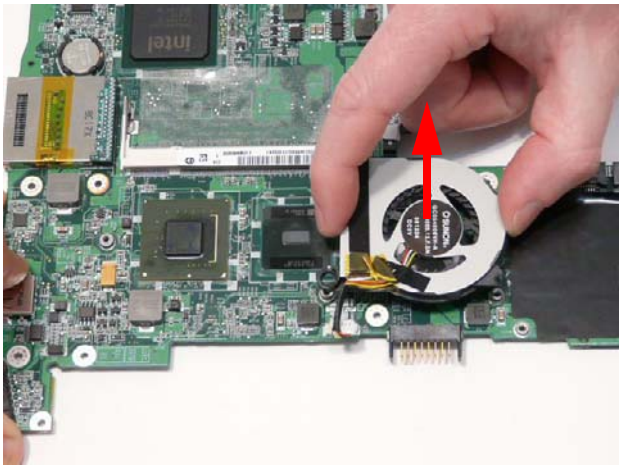


3. Remove the single screw securing the CPU Fan to the Mainboard.



Step	Size	Quantity	Screw Type
CPU Fan	M2*3	1	

4. Lift the CPU Fan clear of the Mainboard.

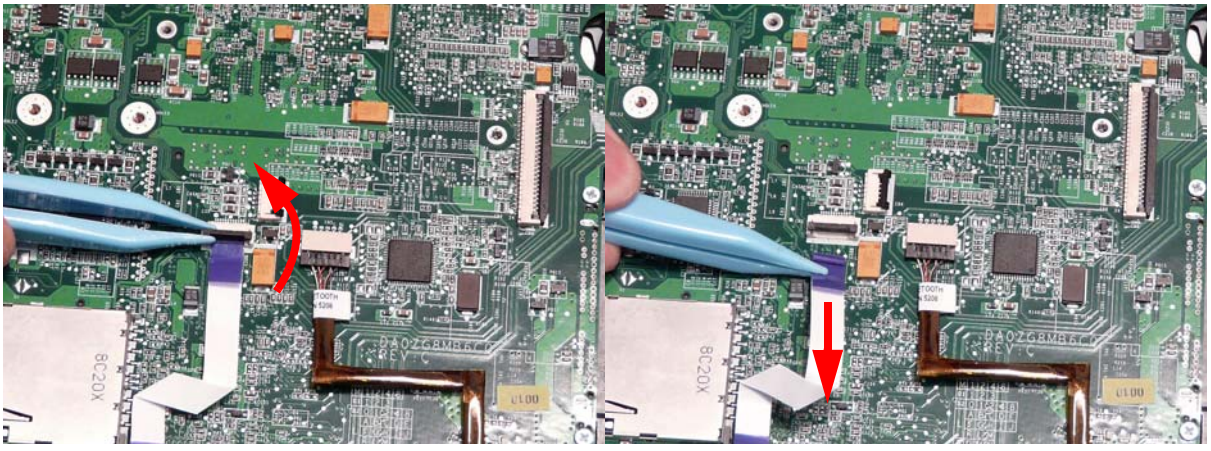


HDD SKU Disassembly Procedure

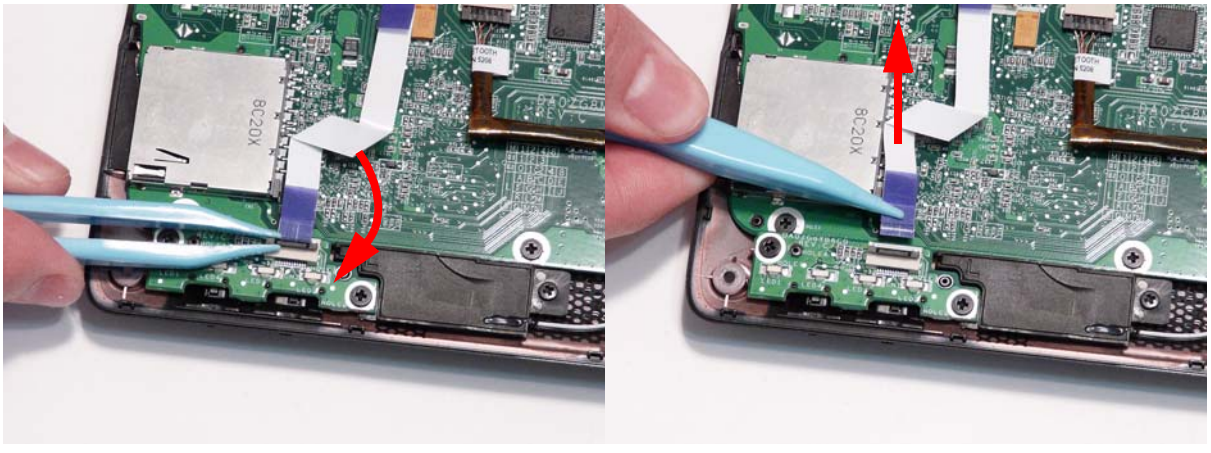
The HDD SKU Lower Assembly appears as shown after removal of the Upper Cover and LCD Module.

Removing the LED Board

1. See “Removing the Upper Cover” on page 54.
2. Open the Mainboard FFC locking latch and remove the FFC as shown.



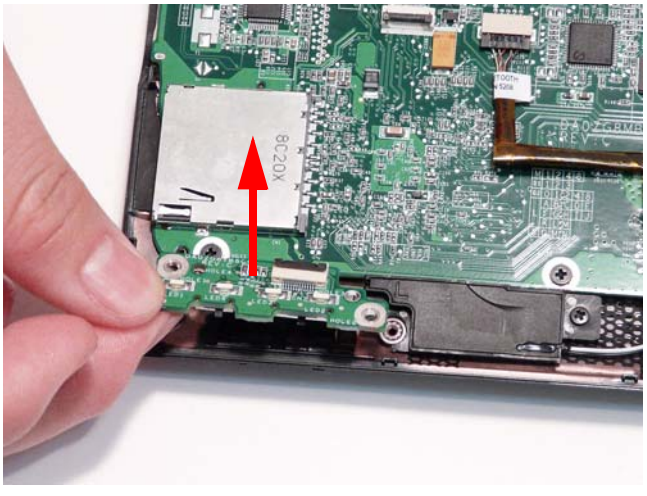
3. Open the LED Board FFC locking latch and remove the FFC as shown.



4. Remove the two securing screws from the LED Board.

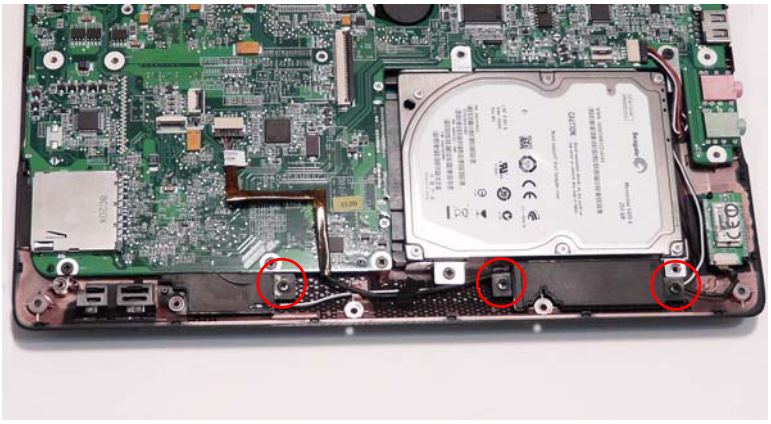
Step	Size	Quantity	Screw Type
LED Board	M2*3	2	

5. Lift the LED Board clear of the Lower Cover.



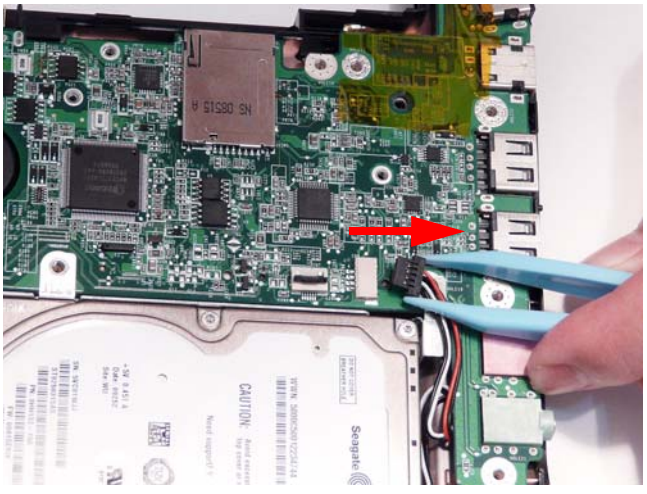
Removing the Speaker Module

1. See “Removing the Upper Cover” on page 54.
2. Remove the three securing screws from the Speaker Module.

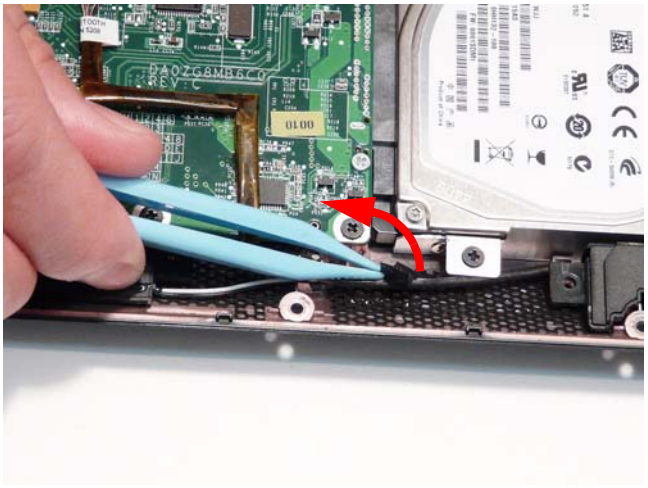


Step	Size	Quantity	Screw Type
Speaker Module	M2*4	3	

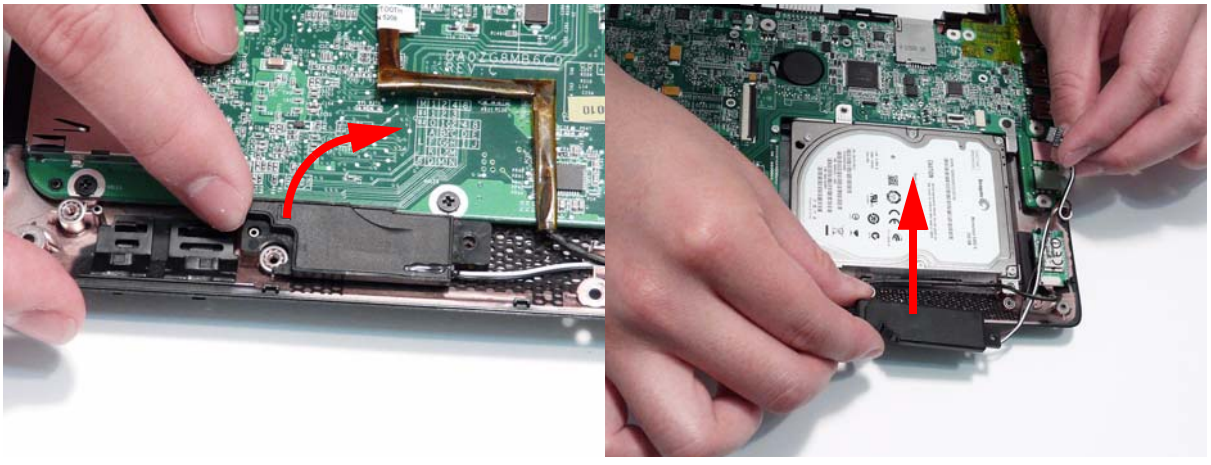
3. Disconnect the Speaker cable from the Mainboard.



4. Remove the adhesive strip holding the cable in place.

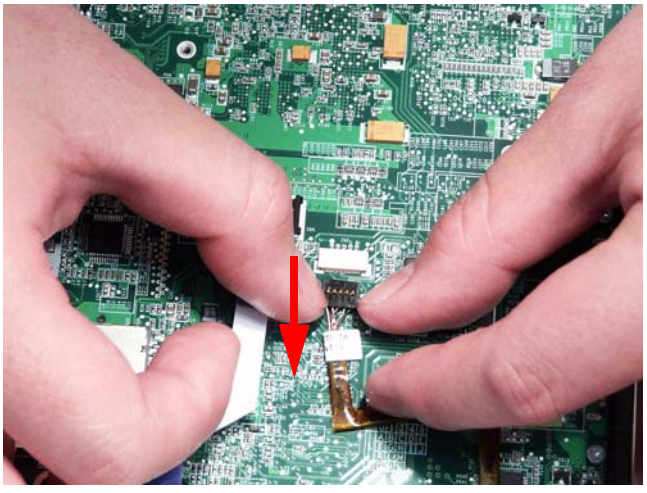


5. Lift the left and right side speakers from the Lower Cover as shown.



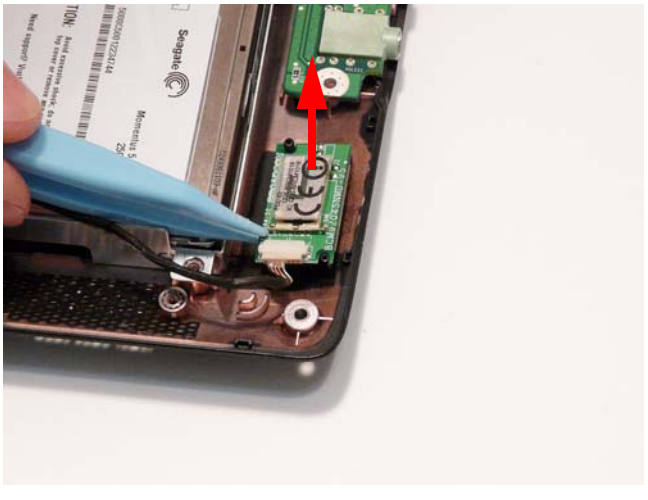
Removing the Bluetooth Module

1. See “Removing the Upper Cover” on page 54.
2. Disconnect the Bluetooth cable from the Mainboard.



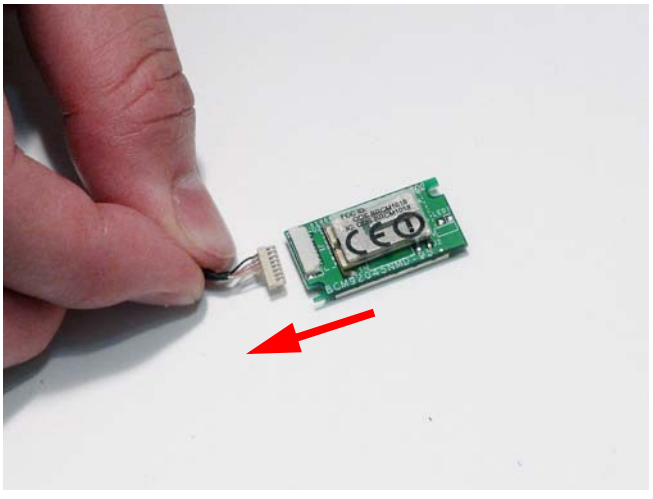
3. Lift the cable as shown to disengage the adhesive strip from the Mainboard.

4. Lift the Bluetooth Module upward to disengage the adhesive holding the module in place.



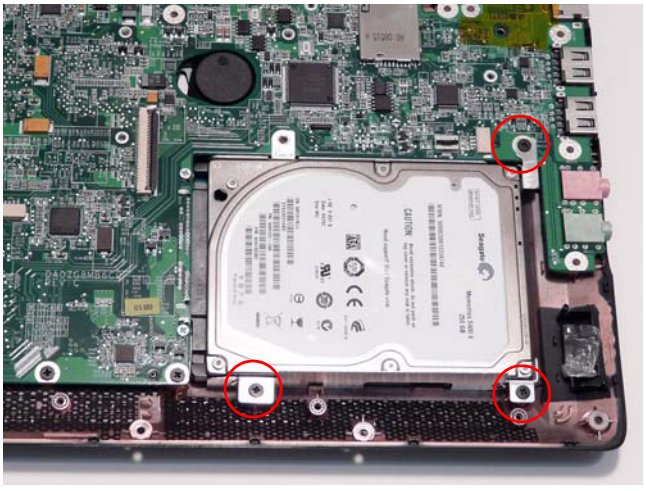
5. Lift the module and cable clear of the Lower Cover.

6. Disconnect the Bluetooth cable from the module.



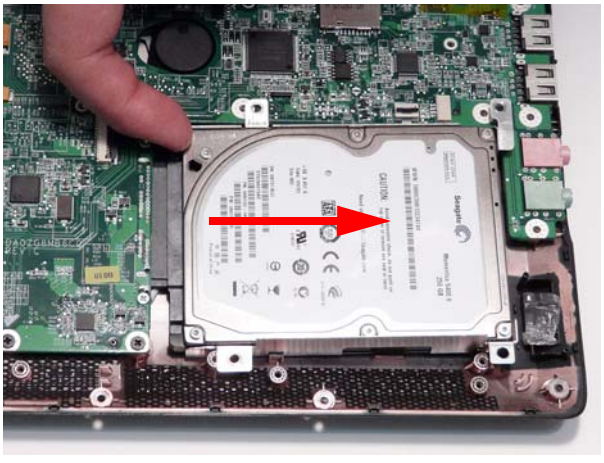
Removing the Hard Disk Drive Module

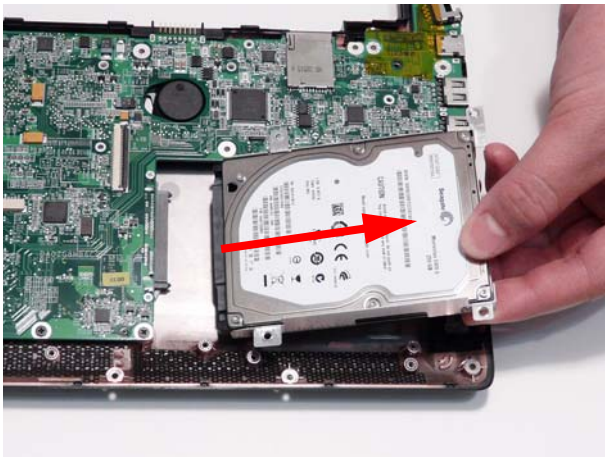
1. See “Removing the Upper Cover” on page 54.
2. Remove the three securing screws from the HDD Module.



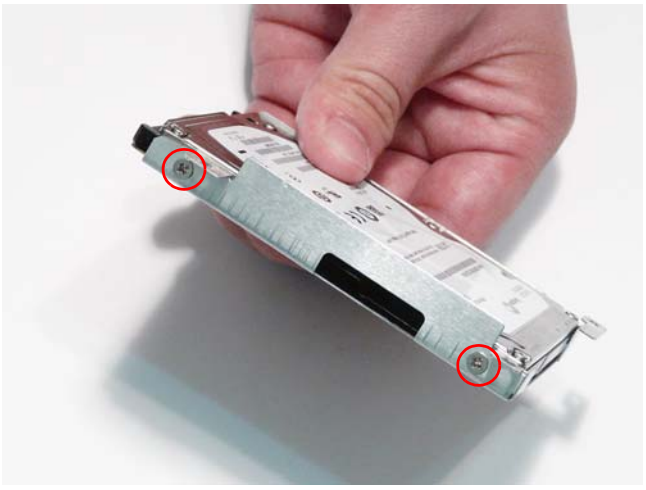
Step	Size	Quantity	Screw Type
HDD Module	M2*3	3	

3. Slide the HDD Module in the direction of the arrow to disconnect the interface. Remove the module from the Lower Cover.





4. Remove the four screws (two each side) securing the hard disk to the carrier.



Step	Size	Quantity	Screw Type
HDD Carrier	M3*3	4	

5. Remove the HDD from the carrier.

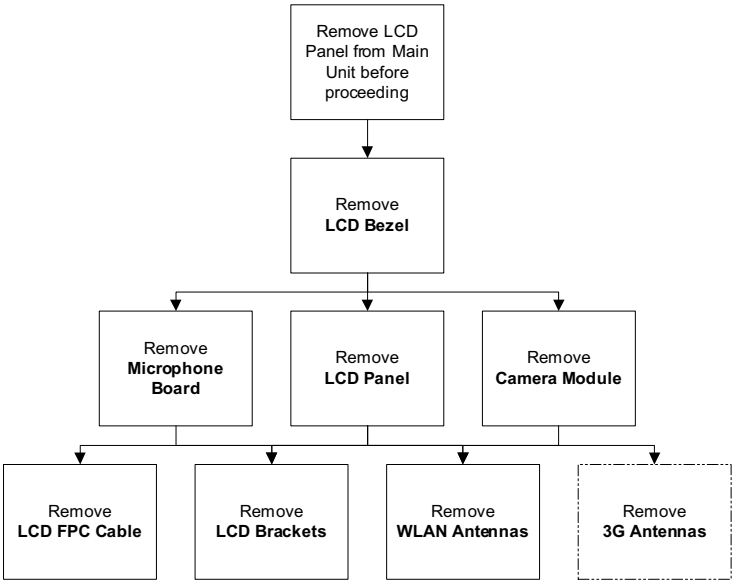
IMPORTANT: The procedures for removing the Mainboard, RTC Battery, Thermal Module, and CPU Fan are identical for both SKUs. See “Removing the Mainboard” on page 75, “Removing the RTC Battery” on page 76, “Removing the Thermal Module” on page 77, and See “Removing the CPU Fan” on page 78.

LCD Module Disassembly Process

IMPORTANT: Cable paths and positioning may not represent the actual model. During the removal and replacement of components, ensure all available cable channels and clips are used and that the cables are replaced in the same position.

NOTE: These disassembly procedures feature the 3G model only, therefore there are four antenna cables (white, black, yellow, and blue) addressed during the procedure. If 3G is not supported, only the WLAN antennas (white and black) need to be removed.

LCD Module Disassembly Flowchart



Screw List

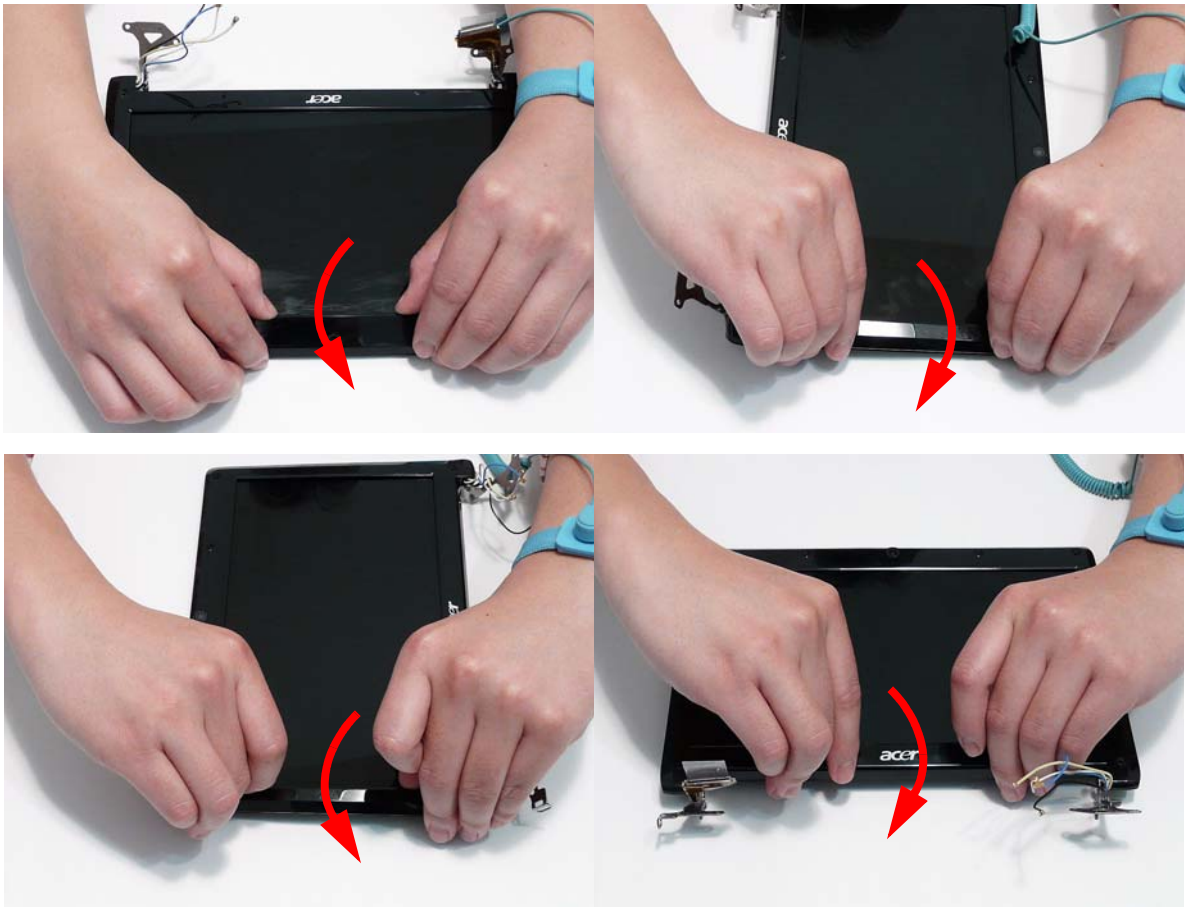
Step	Screw	Quantity	Part No.
LCD Bezel	M2*5	6	86.S0207.002
LCD Panel	M2*3	2	
LCD Brackets	M2*3	4	

Removing the LCD Bezel

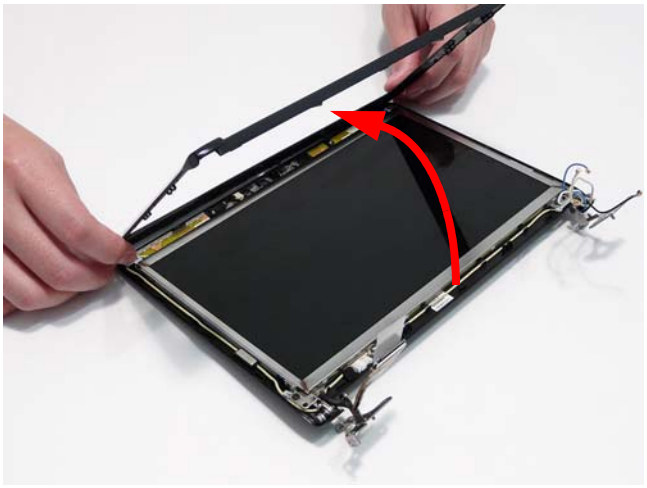
1. See “Removing the LCD Module” on page 63.
2. Remove the six screw caps and screws from the LCD Bezel.

Step	Size	Quantity	Screw Type
LCD Bezel	M2*5	6	

3. Starting from the inside top edge, pry the bezel away from the panel. Continue moving down the sides until the bezel is removed. If necessary, use a plastic pry to release the corners of the bezel.

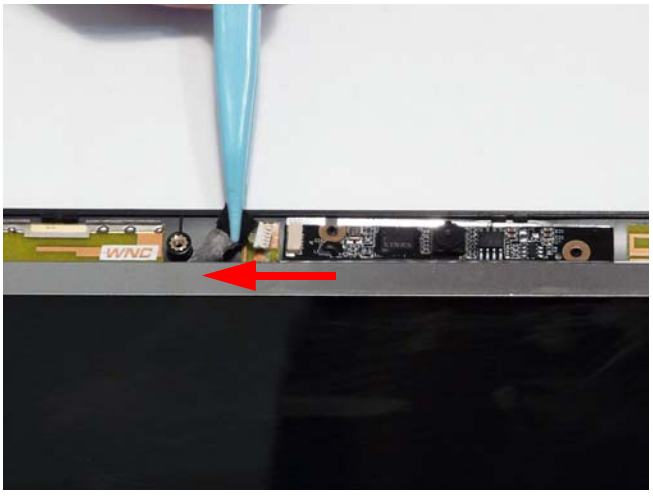


4. Lift up the bezel and remove it from the LCD Module.

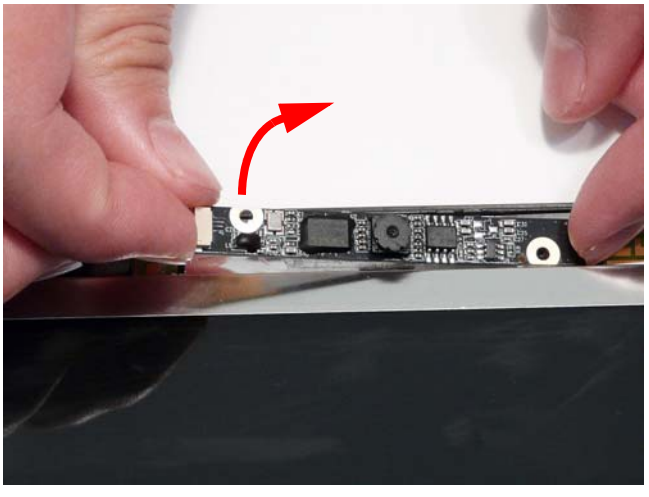


Removing the Camera Board

1. See “Removing the LCD Bezel” on page 90.
2. Disconnect the cable from the Camera Board as shown.

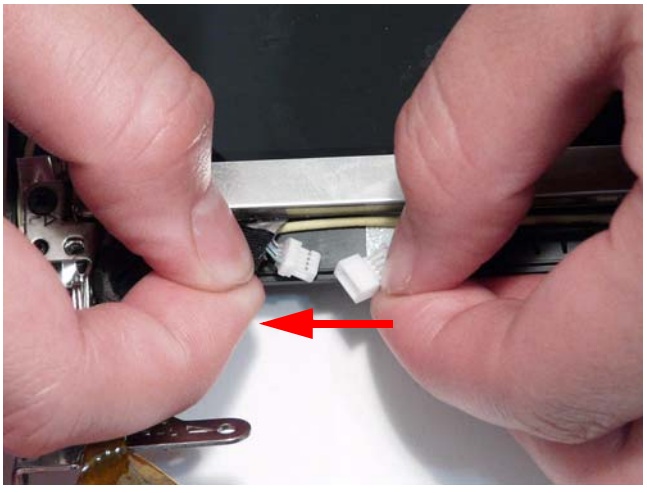


3. Remove the Camera Board from the LCD Module.

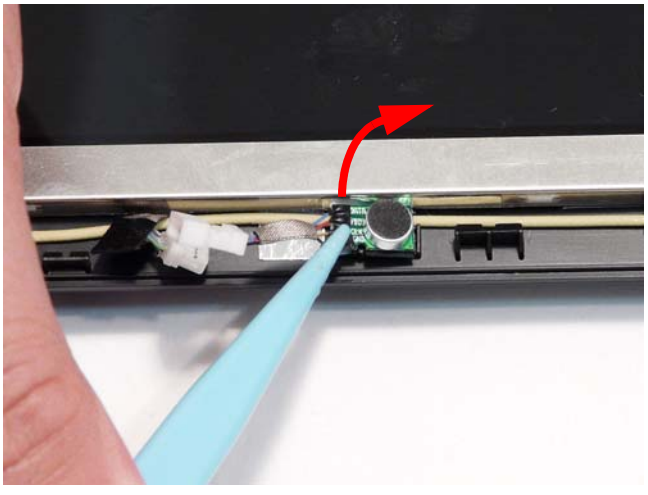


Removing the Microphone Board

1. See “Removing the LCD Bezel” on page 90.
2. Disconnect the cable from the Microphone Board as shown.



3. Remove the Microphone Board from the LCD Module.

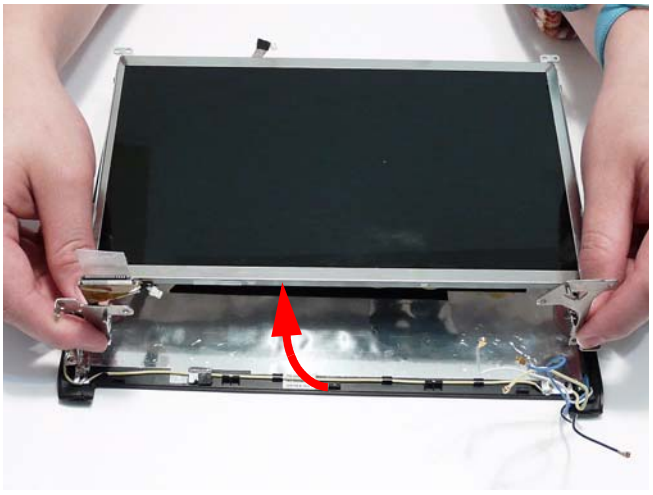


Removing the LCD Panel

1. See “Removing the Camera Board” on page 92.
2. Remove the two securing screws from the LCD Panel.

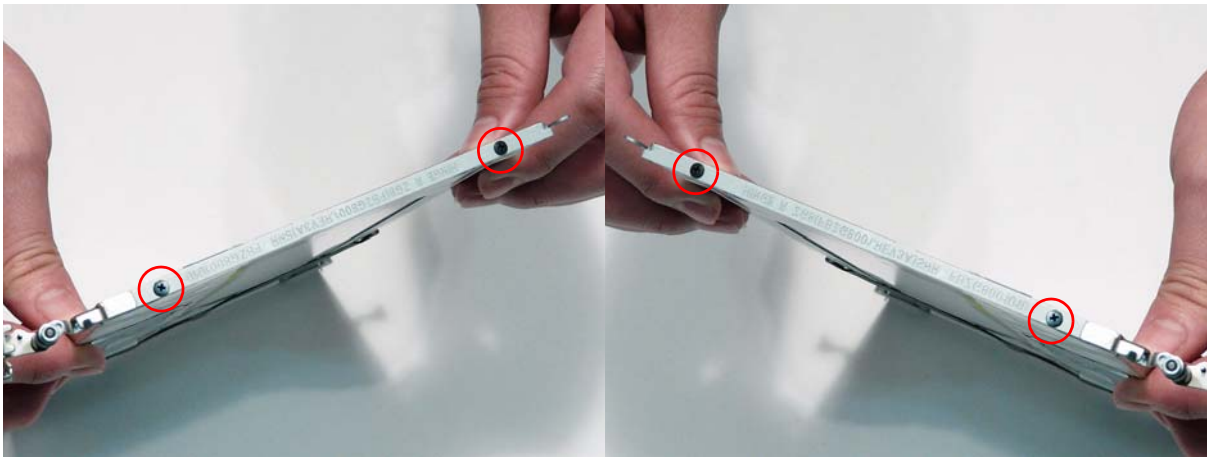
Step	Size	Quantity	Screw Type
LCD Panel	M2*3	2	

3. Hold the LCD Panel by the hinges and lift to remove. Place it on a clean surface.



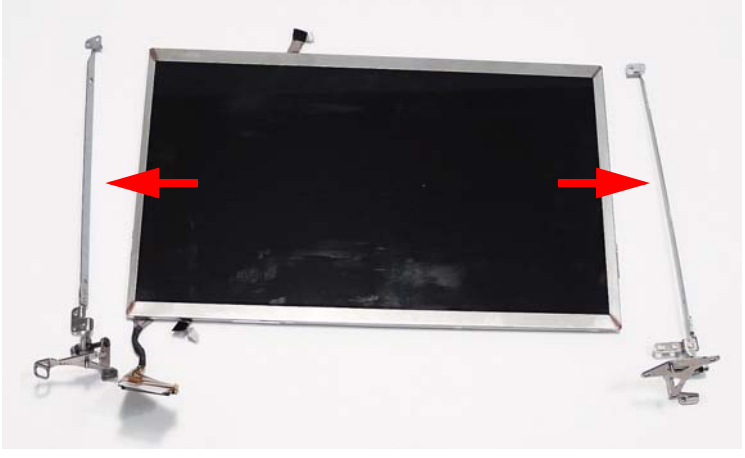
Removing the LCD Brackets and FPC Cable

1. See “Removing the LCD Panel” on page 94.
2. Remove the four securing screws (two each side) from the LCD Panel brackets.

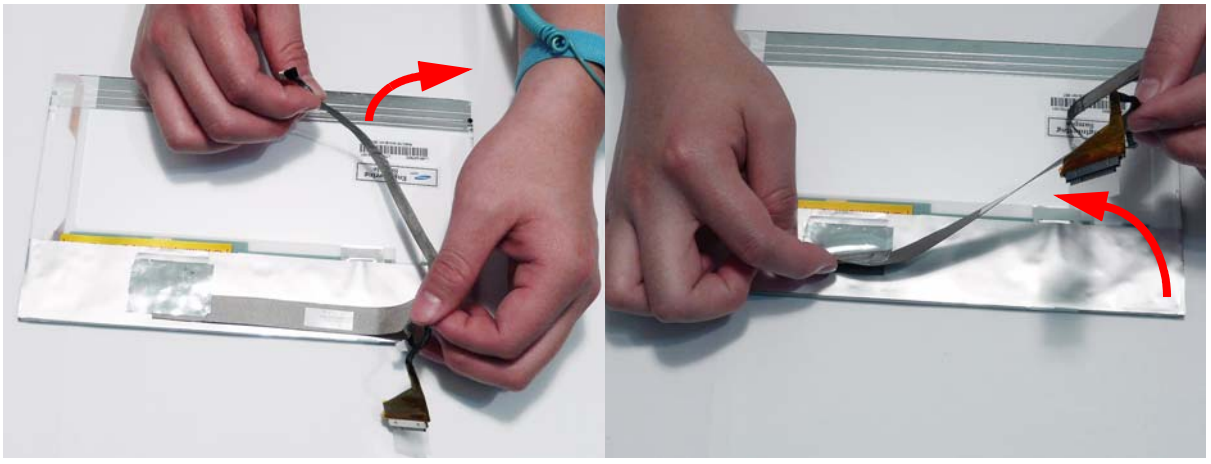


Step	Size	Quantity	Screw Type
LCD Brackets	M2*3	4	

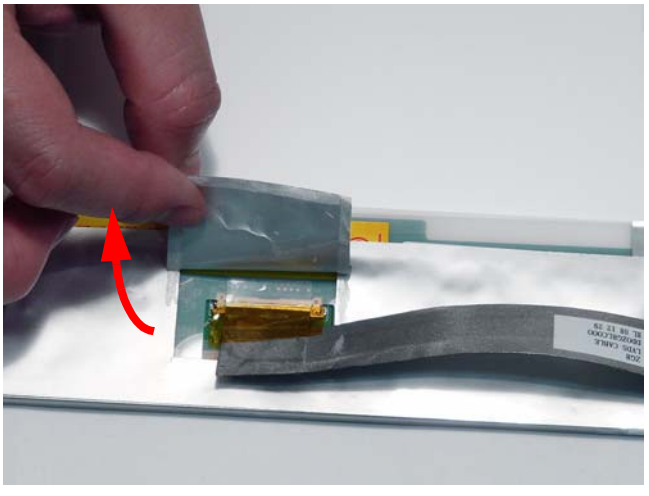
3. Remove the brackets from the LCD Panel.



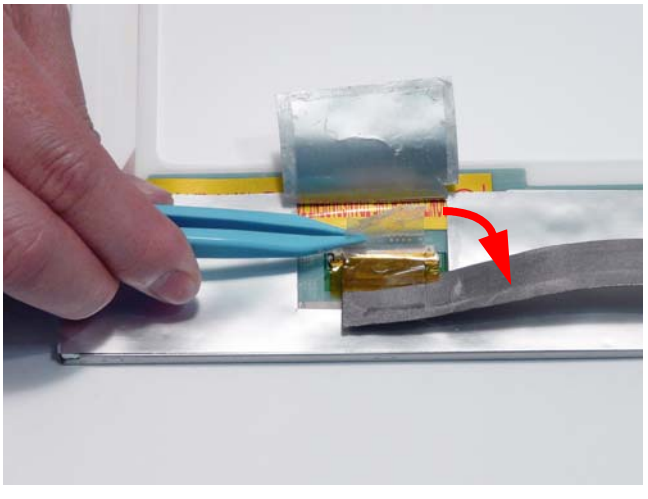
4. Turn the LCD panel over on a clean surface. Lift the cable to release the adhesive strips securing the cable to the panel.



5. Carefully lift the adhesive tape protecting the cable connector.



6. Carefully lift the adhesive tape securing the cable to the panel.

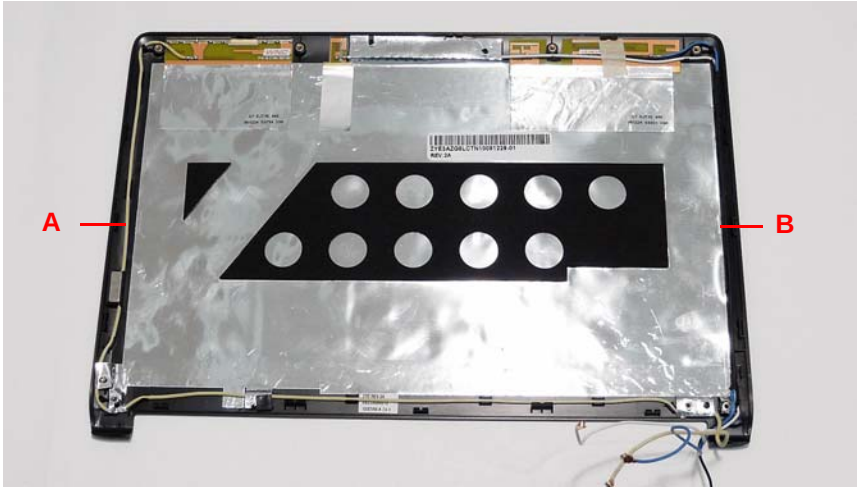


7. Disconnect the cable from the LCD panel as shown.

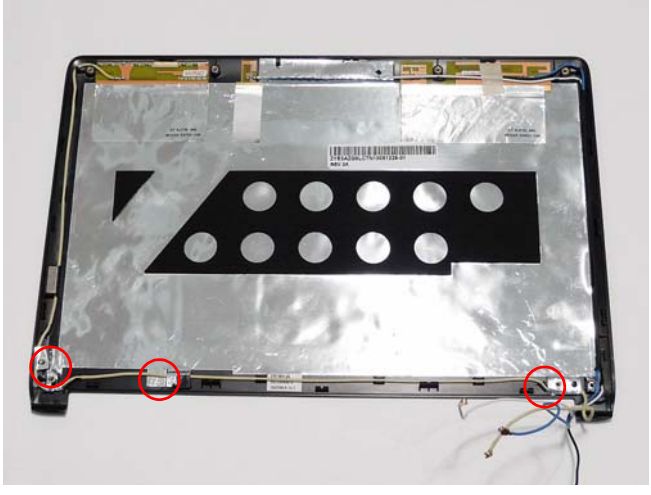
Removing the Antennas

NOTE: These disassembly procedures feature the 3G model only, therefore there are four antenna cables (white, black, yellow, and blue) addressed during the procedure. If 3G is not supported, only the WLAN antennas (white and black) need to be removed.

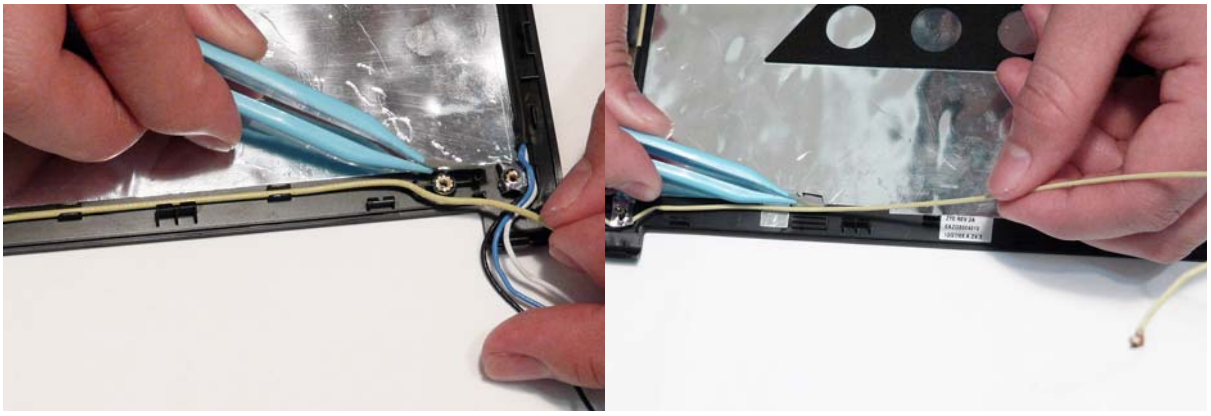
1. See “Removing the LCD Panel” on page 94.
2. The LCD Module appears as follows when the Camera, Microphone, and LCD Panel are removed.
    - A—yellow 3G Antenna cable
    - B—combined blue 3G Antenna cable, white and black WLAN Antenna cables



3. Remove the adhesive strips holding the yellow 3G cable in place.



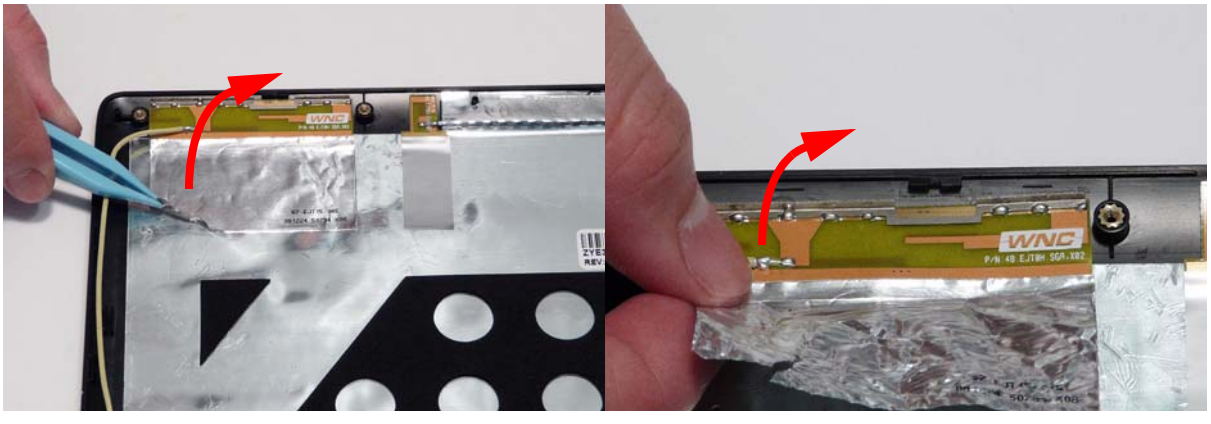
4. Remove the cable from the securing clips as shown.



5. Remove the lid sensor magnet from the LCD Module and lift the 3G Antenna cable completely clear of the module.

6. Lift the adhesive pad securing the Antenna pad to the module. Carefully pry up the yellow cable 3G Antenna pad, as shown, and remove the pad from the LCD Module.

IMPORTANT: A strong adhesive is used to secure the Antenna pad in place. Take care not to bend the pad during removal.



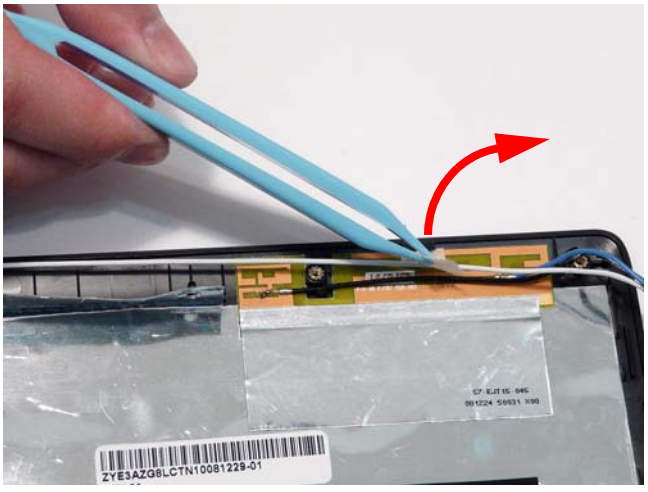
7. Remove the combined 3G and WLAN cables from the cable channel as shown. Ensure that the cable is free of all securing clips.

8. Lift the adhesive pad securing the Antenna pad to the module. Carefully pry up the white cable WLAN Antenna pad, as shown, and remove the pad from the LCD Module.

IMPORTANT: A strong adhesive is used to secure the Antenna pad in place. Take care not to bend the pad during removal.

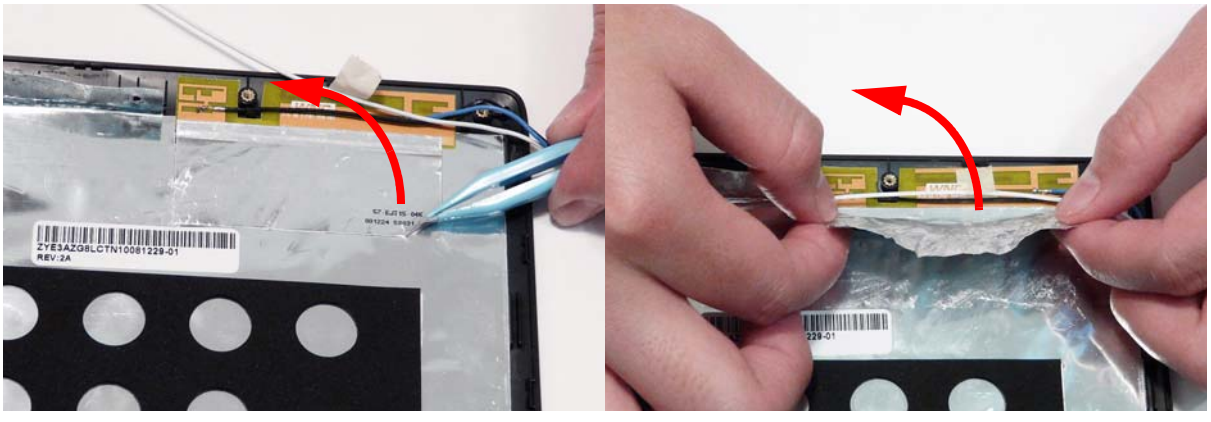
9. Lift the adhesive securing the Antenna cable to the module.

10. Remove the adhesive tape securing the white WLAN cable to the module.



11. Lift the adhesive pad securing the Antenna pad to the module. Carefully pry up the blue and black cable 3G and WLAN Antenna pad, as shown, and remove the pad from the LCD Module.

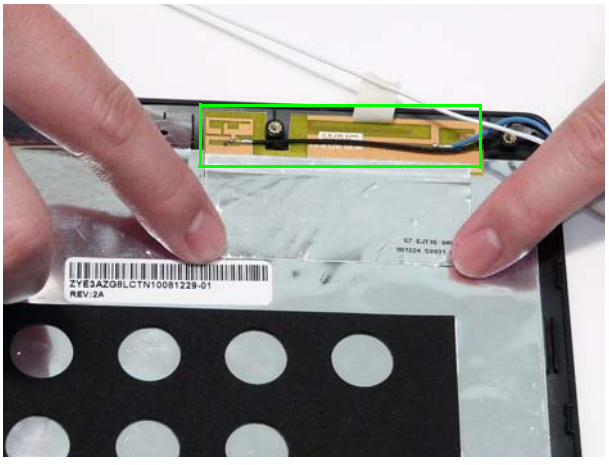
IMPORTANT: A strong adhesive is used to secure the Antenna pad in place. Take care not to bend the pad during removal.



LCD Module Reassembly Procedure

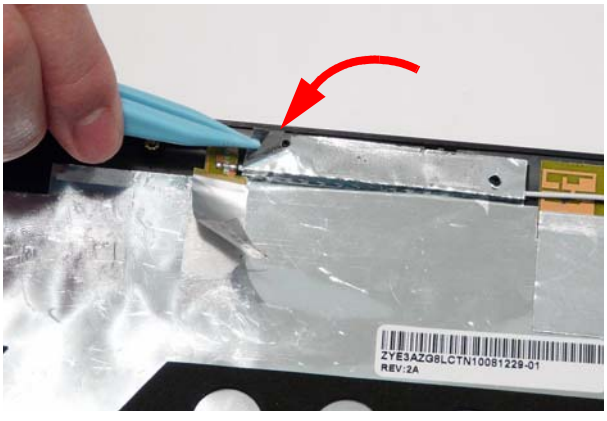
Replacing the Antennas

1. Replace the combined 3G and WLAN Antenna pad as shown. Press down the pad and adhesive tape, as indicated, to secure it in place.

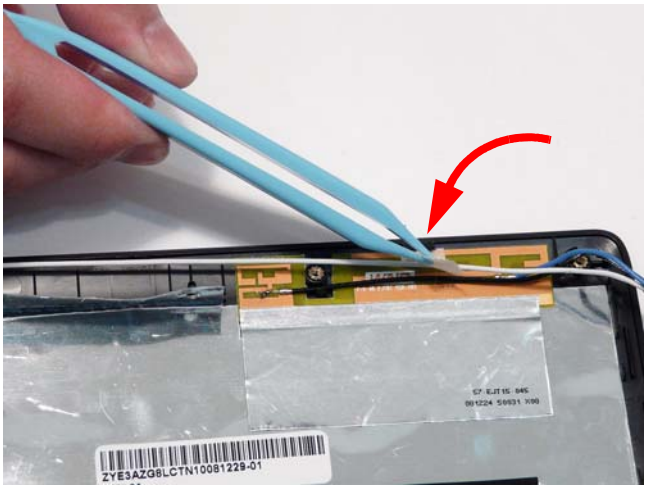


2. Replace the WLAN Antenna cable as shown, using all available cable clips.

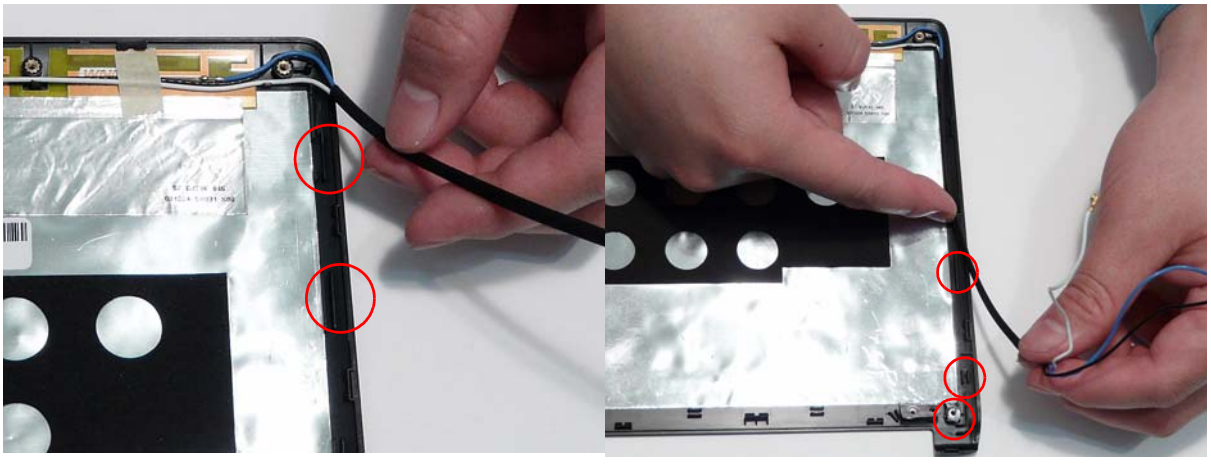
3. Replace the adhesive tape to secure the WLAN cable in place.



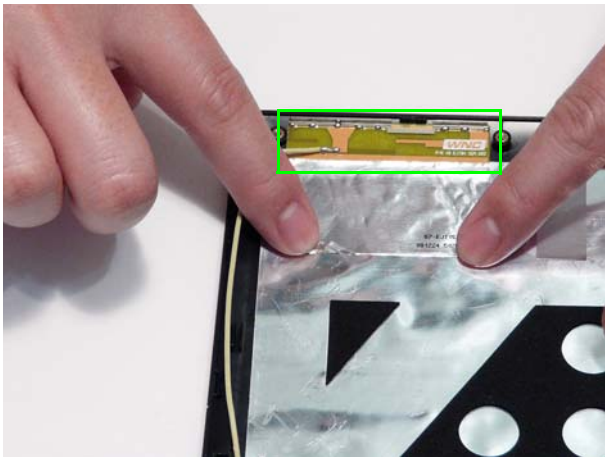
4. Replace the adhesive tape securing the WLAN Antenna to the combined 3G and WLAN Antenna pad.



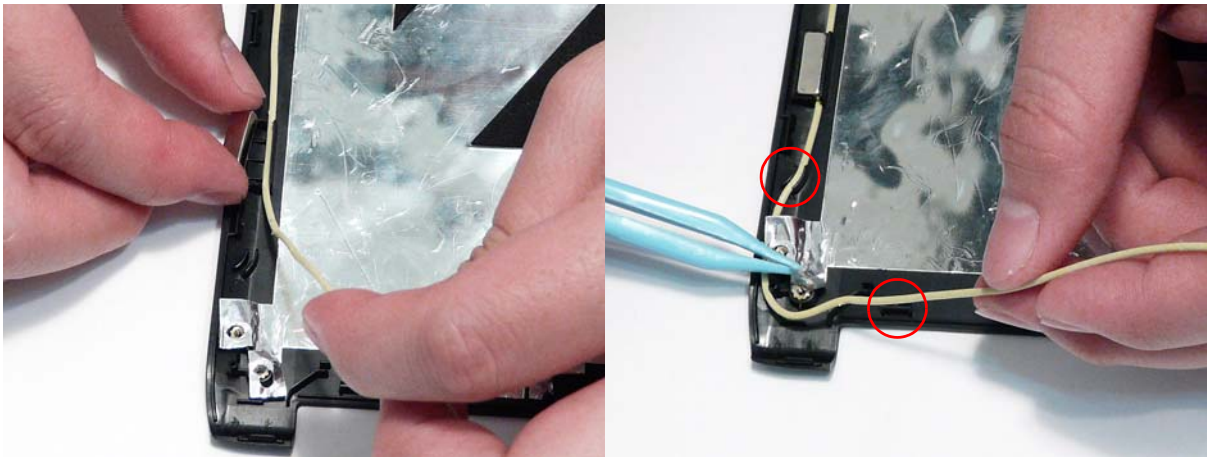
5. Run the combined 3G and WLAN Antenna cable along the LCD Module using all available cable clips.



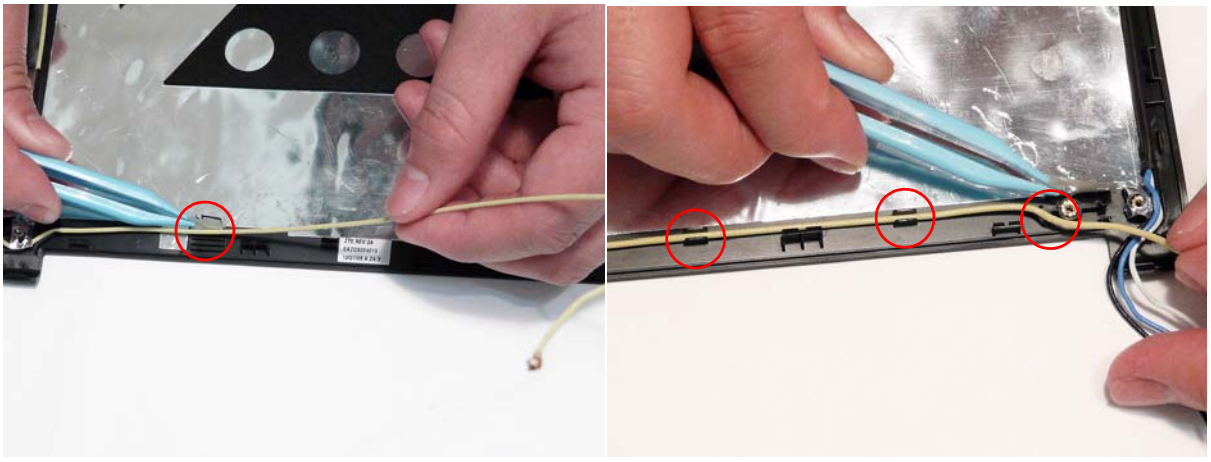
6. Replace the 3G Antenna pad as shown. Press down the pad and adhesive tape, as indicated, to secure it in place.



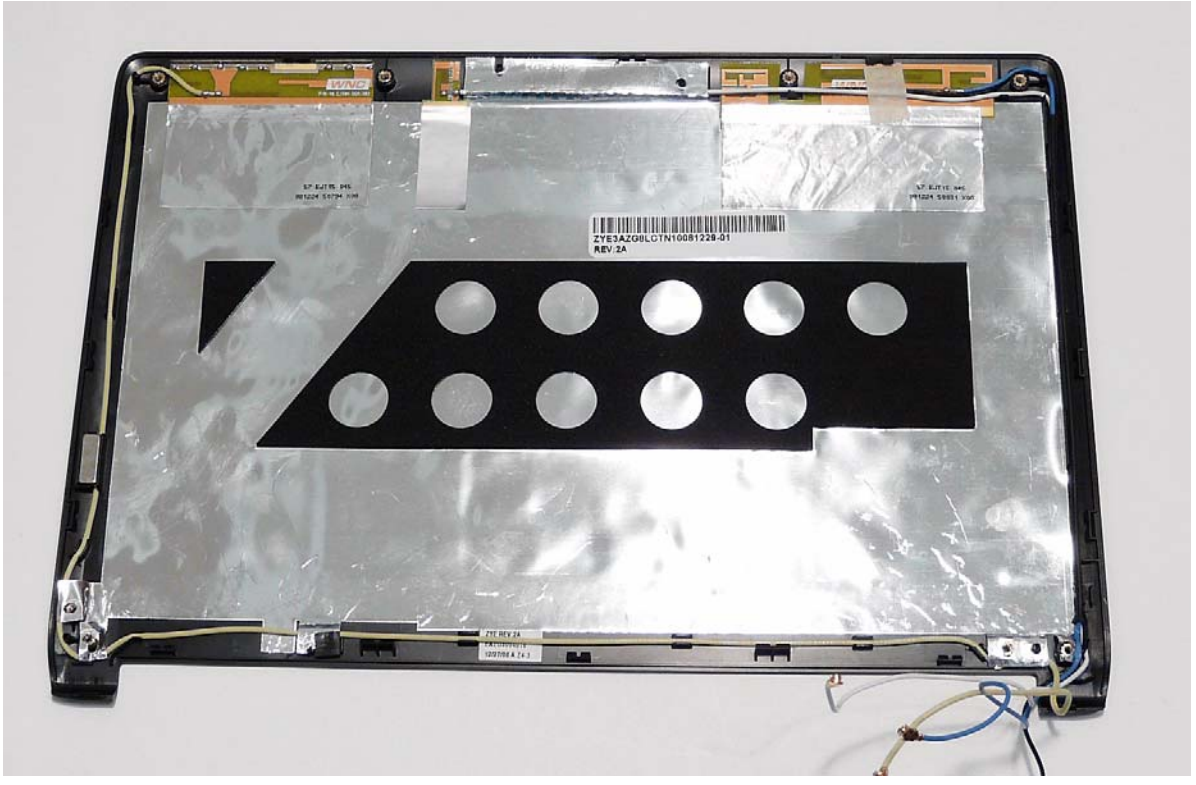
7. Run the 3G Antenna cable along the LCD Module using all available cable clips. Replace the lid sensor magnet as shown.
8. Ensure that the 3G Antenna cable runs as shown using all available cable clips and securing tape.



9. Run the 3G Antenna cable along the bottom edge of the LCD Module as shown, using all available cable clips.

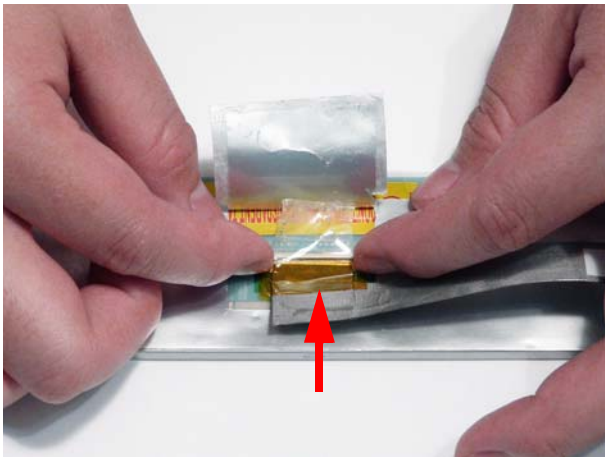


10. The LCD Module appears as follows when the 3G and WLAN Antennas are correctly installed.

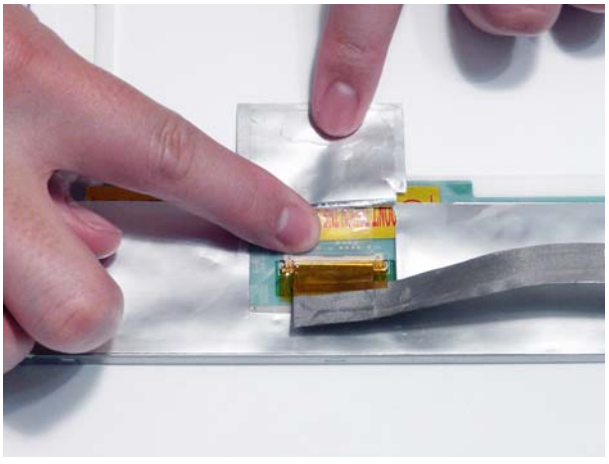


Replacing the LCD Cable and Brackets

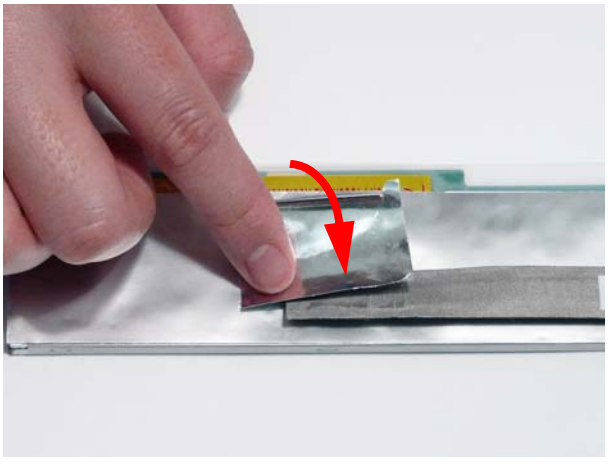
1. Insert the LCD Cable into the panel connector as shown.



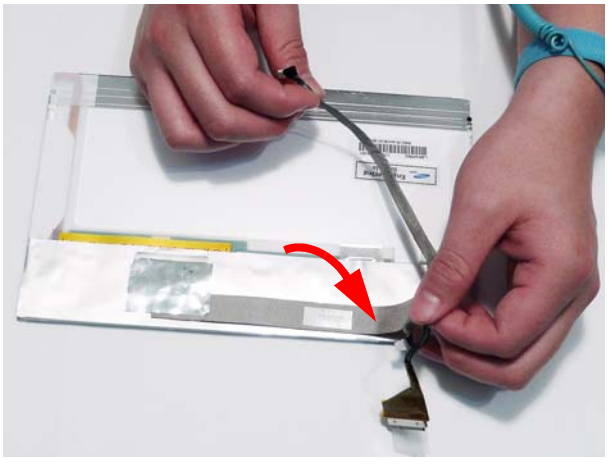
2. Secure the connector by replacing the adhesive strip as shown.



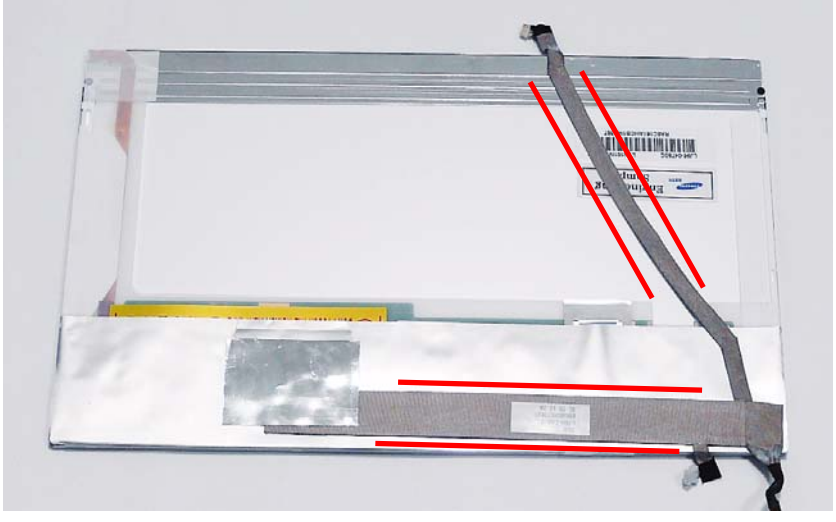
3. Replace the adhesive protection strip as shown.



4. Replace the cable as shown on the rear of the panel.

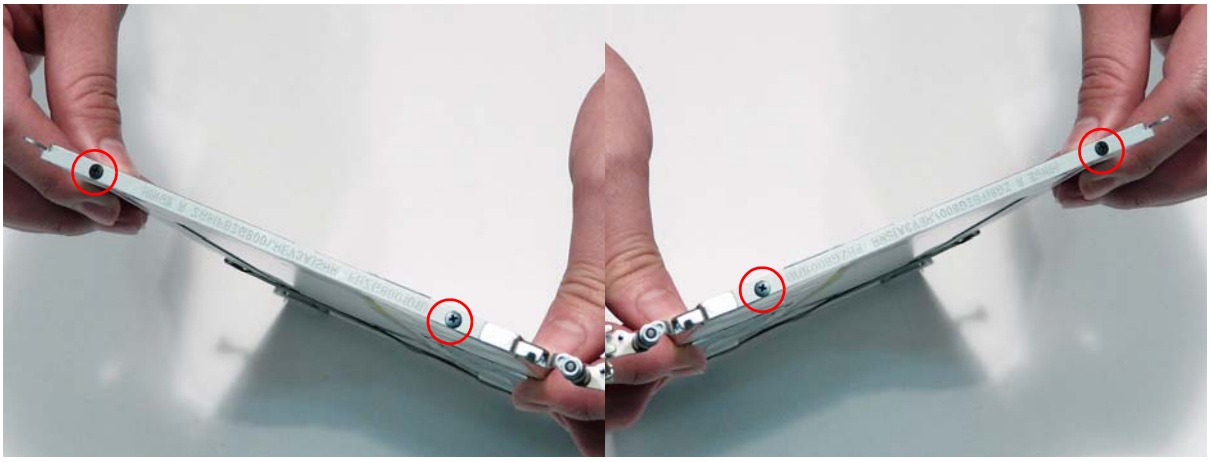


IMPORTANT: Ensure that the LCD Cable runs as shown to avoid trapping when the Bezel is replaced.



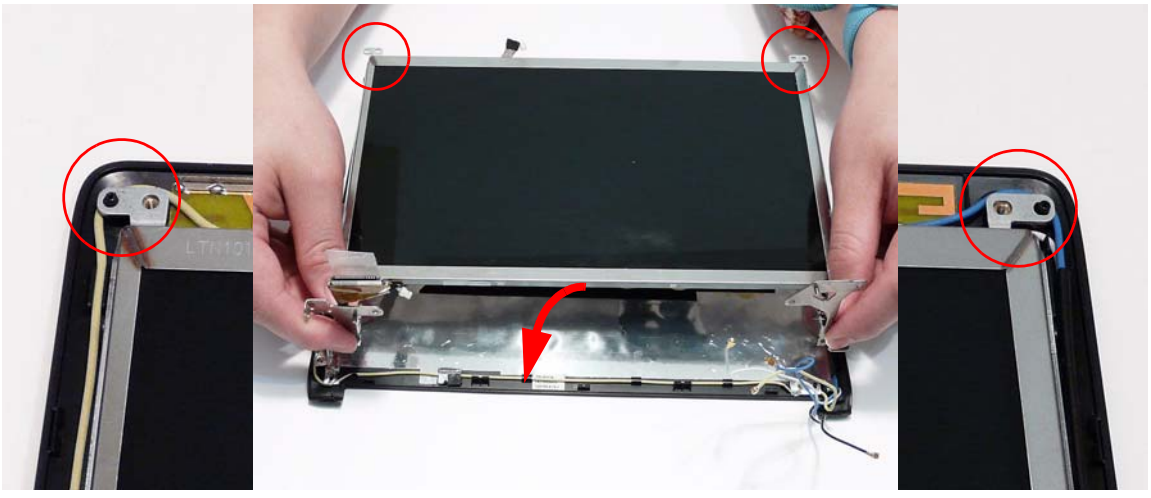
5. Align the screw holes and replace the left and right LCD brackets as shown.

6. Secure the brackets to the panel using four bracket screws (two each side).



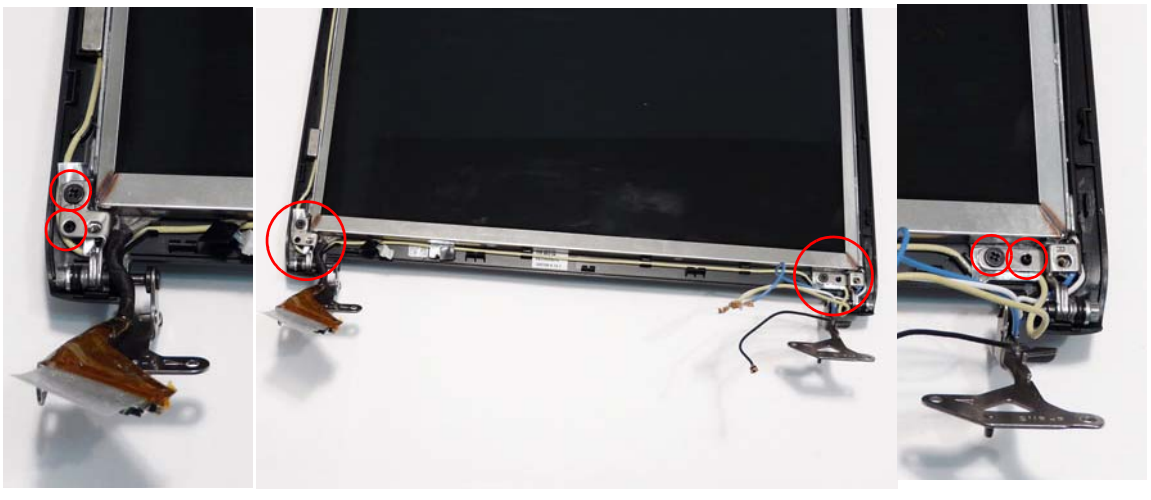
Replacing the LCD Panel

1. Replace the LCD Panel top edge first as shown. Ensure that the locating pins on the top edge of the brackets are positioned correctly.



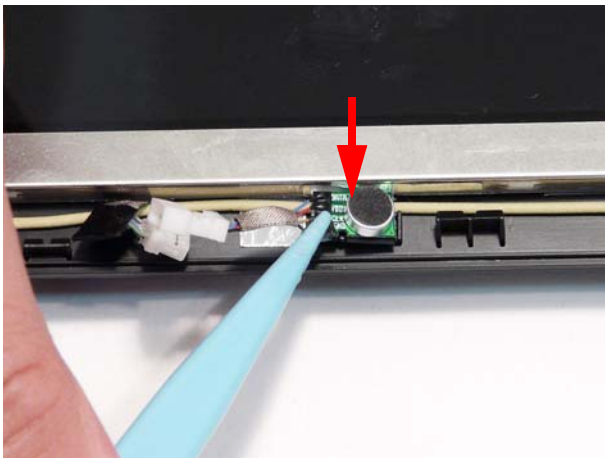
2. Ensure the cables pass through the hinge well as shown, two cables above and two below the hinge.
   NOTE: For the WLAN only model, both cables should pass below the hinge.

3. Ensure that the locating pins on the bottom edge of the brackets are positioned correctly and replace the two securing screws.

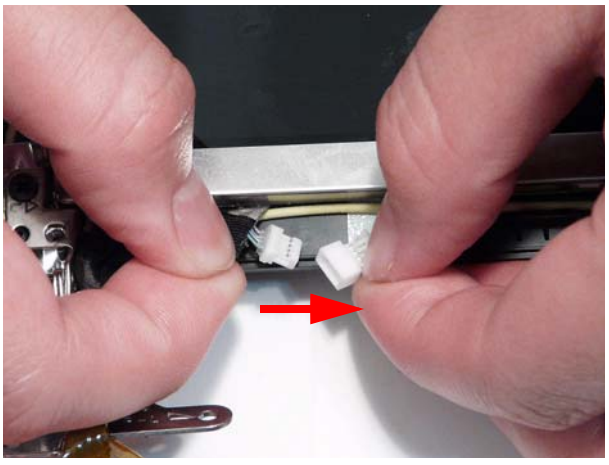


Replacing the Microphone Board

1. Place the Microphone Board in the LCD Module and press down to secure it in place.

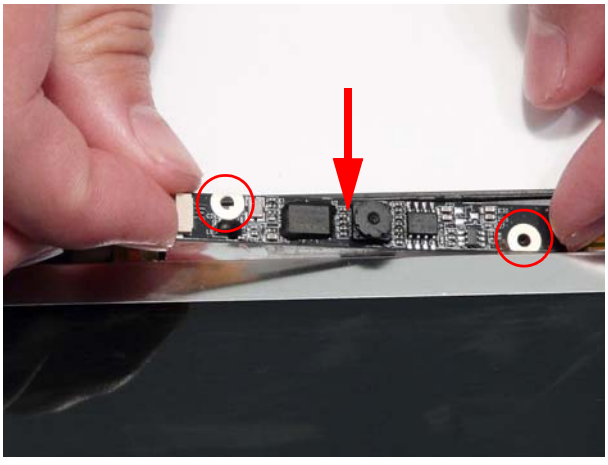


2. Connect the Microphone cable as shown.

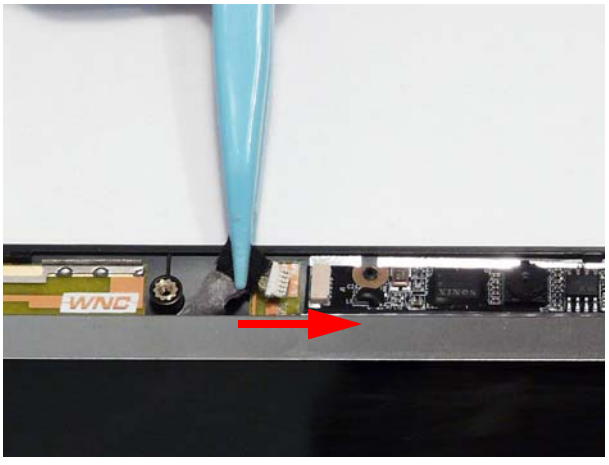


Replacing the Camera Board

1. Ensure that the locating pins are correctly positioned and place the Camera Board in the LCD Module. Press down to secure it in place.

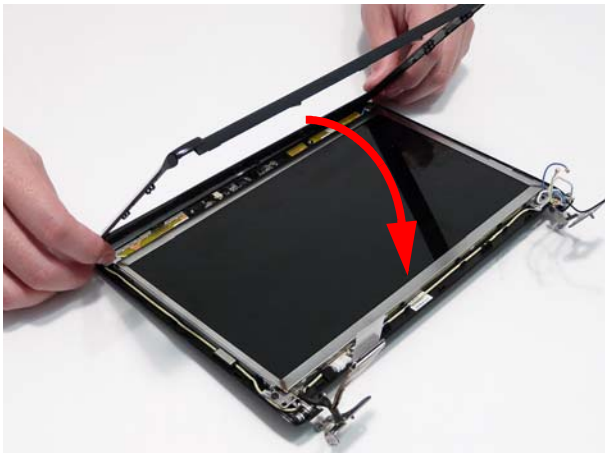


2. Connect the Camera cable as shown.

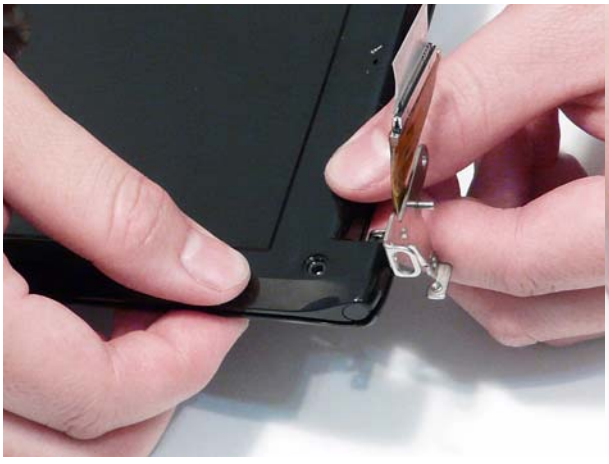


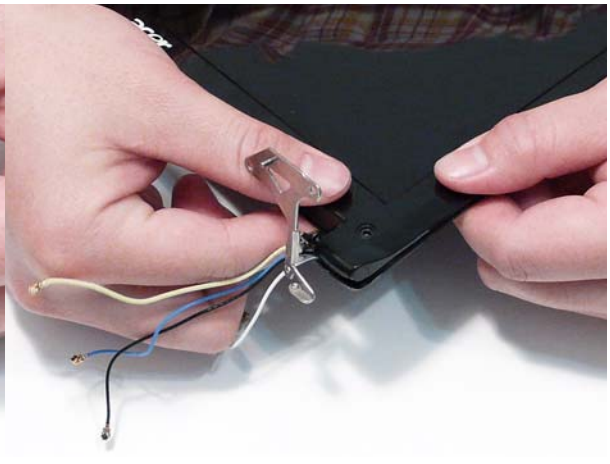
Replacing the LCD Bezel

1. Replace the bezel top edge first as shown.

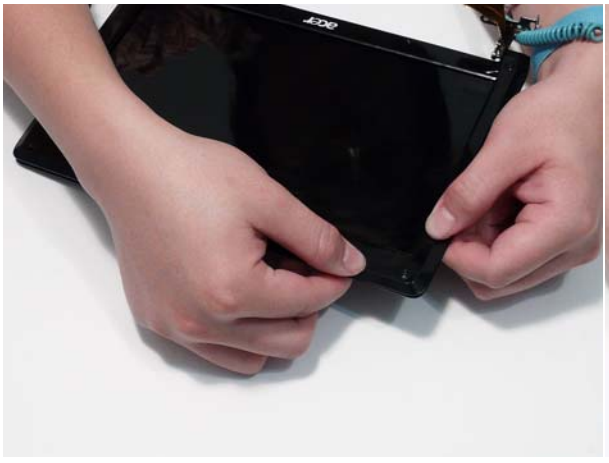


2. Starting at the hinge wells, ensure that the Antenna and LCD power cables are not trapped and press down to secure the bezel in place.

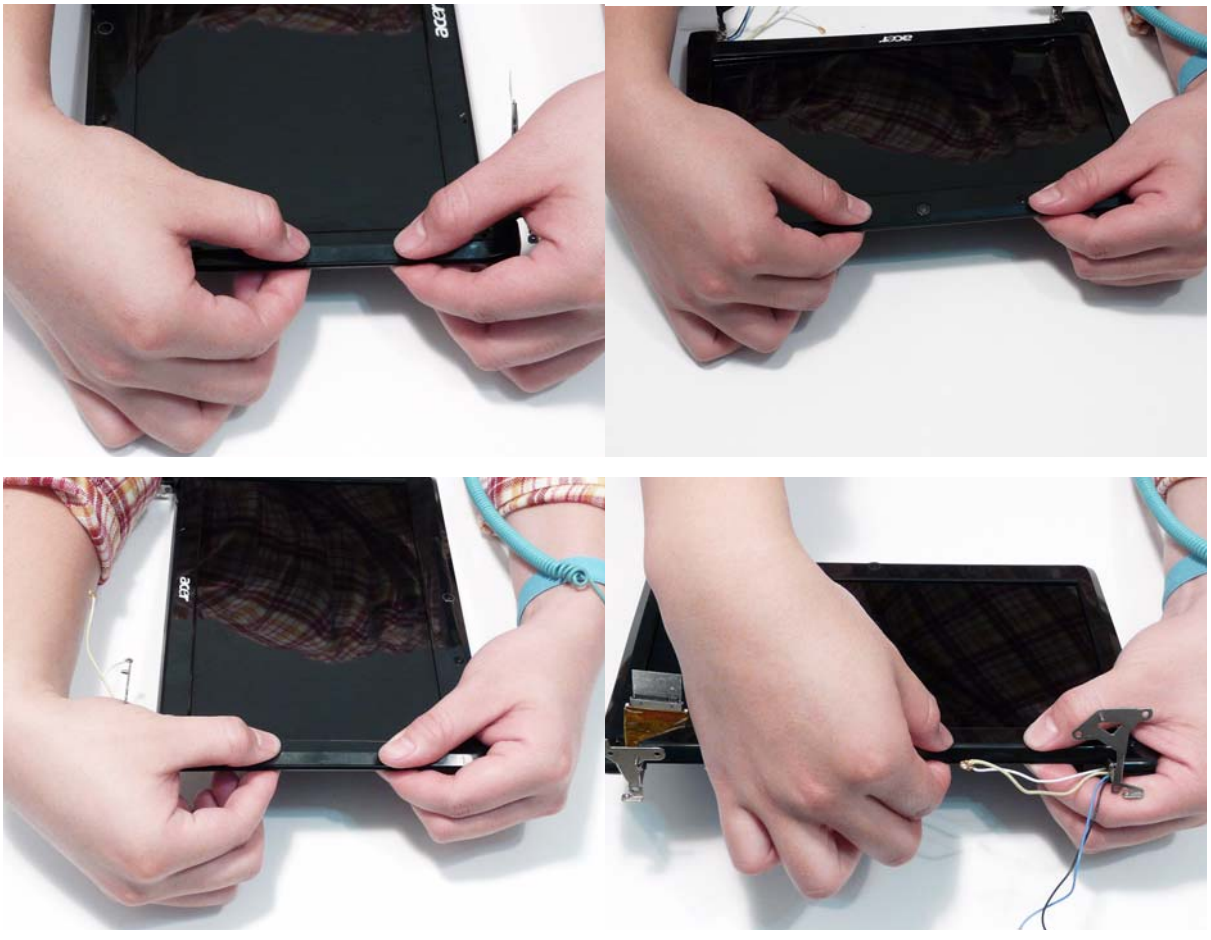




3. Press down the top corners to secure the bezel in place.



4. Press down around the edges of the bezel to secure it in place.



5. Replace the six screws and screw caps.

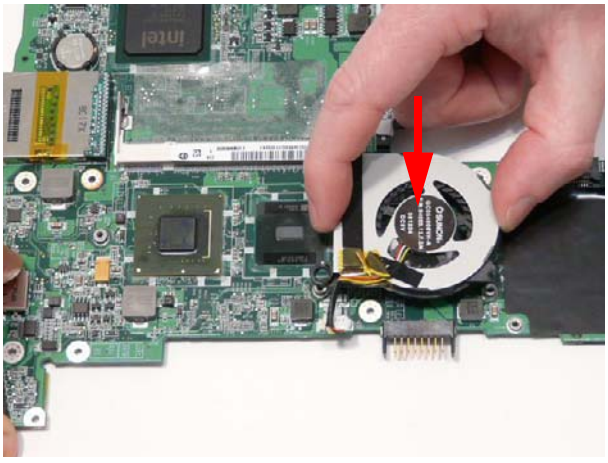
Lower Cover Reassembly Procedure

IMPORTANT: The Lower Cover reassembly procedure is split in to two separate sections for the SSD and HDD models.

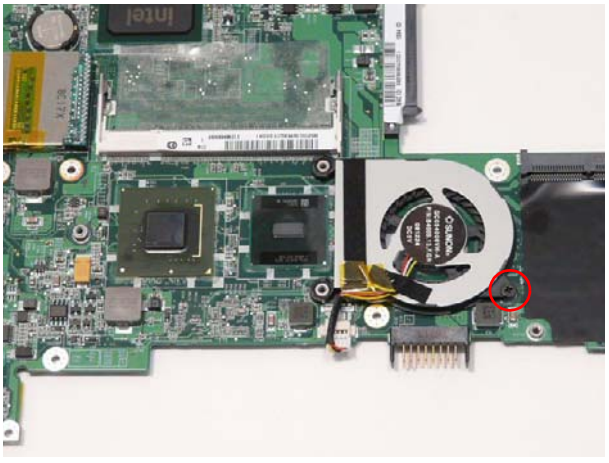
SSD SKU Reassembly Procedure

Replacing the CPU Fan

1. Align the screw holes on the CPU Fan and Mainboard and replace the CPU Fan.



2. Replace the single securing screw.



3. Connect the CPU Fan cable to the Mainboard connector as shown.

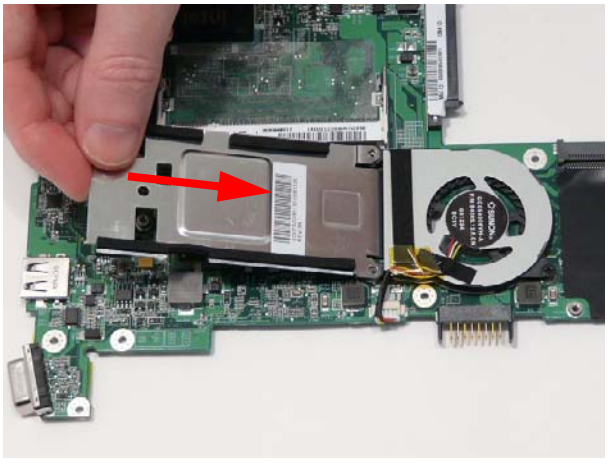
Replacing the Thermal Module

IMPORTANT: Ensure all heat pads are in place before replacing the Thermal Module.

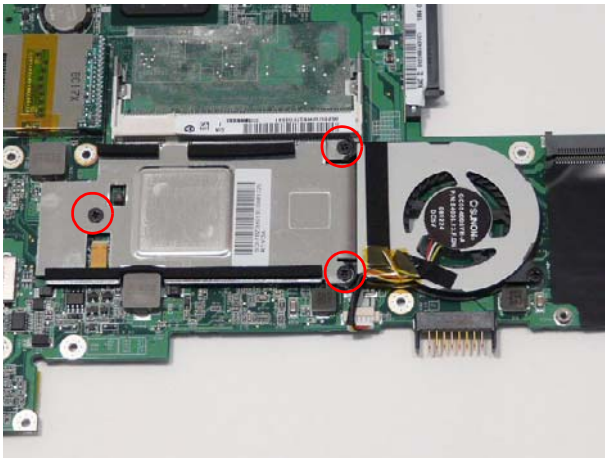
The following thermal pads are approved for use:

- Eapus XR-PE

1. Align the screw holes on the Thermal Module and Mainboard and replace the module, CPU Fan side first.

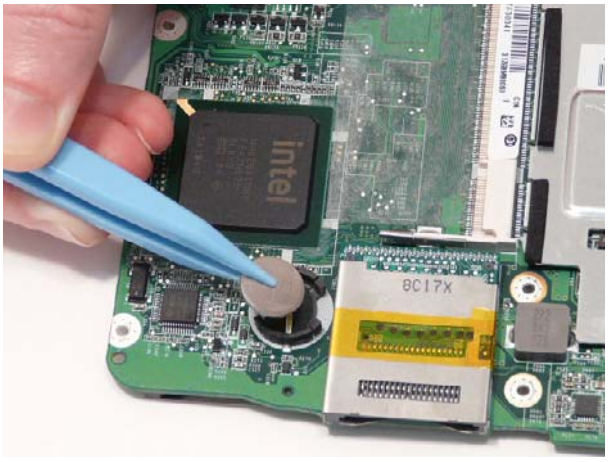


2. Lower the Thermal Module in to place and insert the three securing screws.



Replacing the RTC Battery

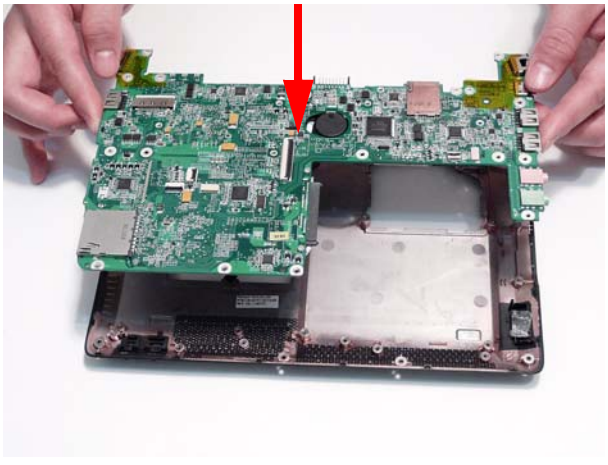
1. Insert the RTC Battery in to the Mainboard socket as shown.



2. Press down to secure it in place.

Replacing the Mainboard

1. Align the screw holes and replace the Mainboard in the Lower Cover as shown.



2. Replace the four (or three) screws to secure the Mainboard in place.

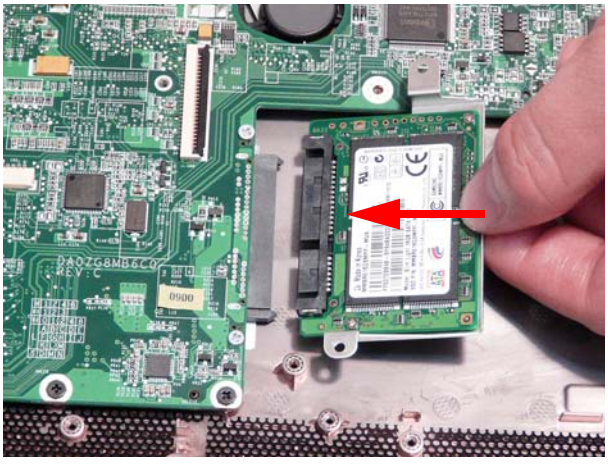
NOTE: The green callout applies to the SSD SKU only.

Replacing the SSD Module

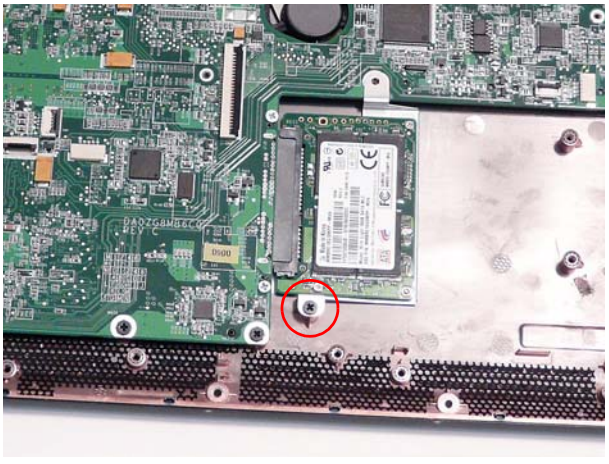
1. Place the SSD in the carrier as shown.

2. Replace the two securing screws.

3. Insert the module in the direction of the arrow. Ensure that the interface is properly connected.

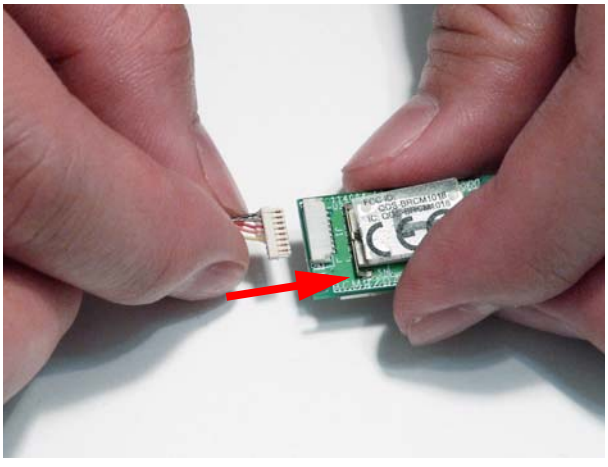


4. Replace the single securing screw.

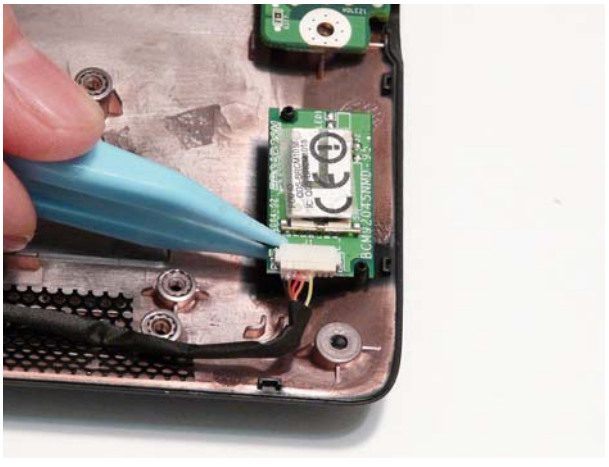


Replacing the Bluetooth Module

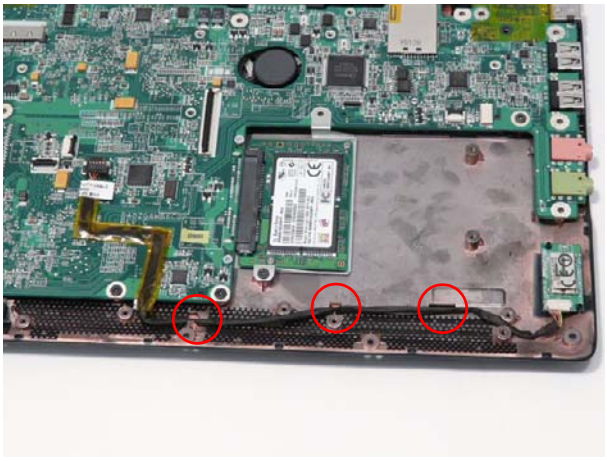
1. Connect the Bluetooth cable to the Bluetooth Module.



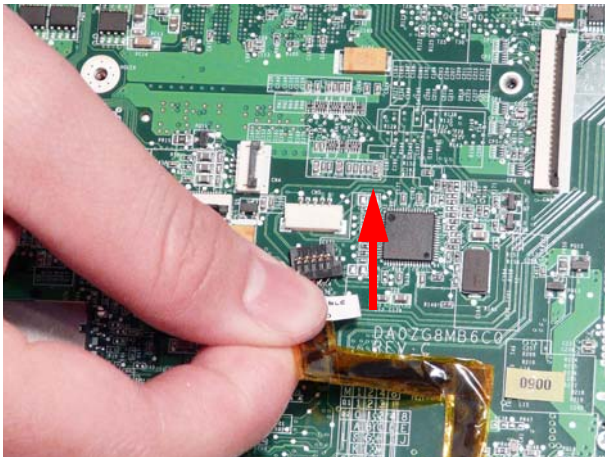
2. Place the Bluetooth Module in the Lower Cover as shown.



3. Run the Bluetooth cable along the Lower Cover as shown, using all the available cable clips.

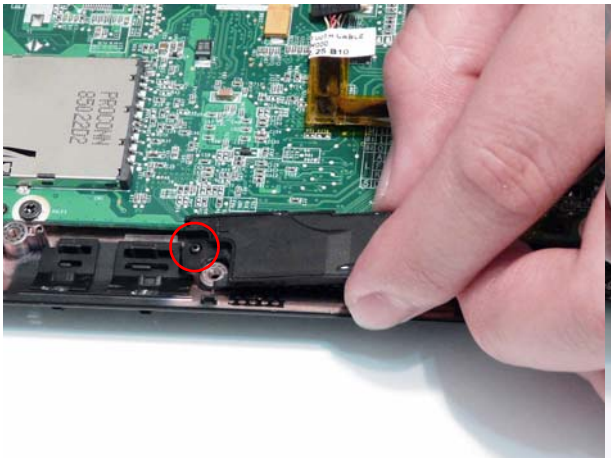


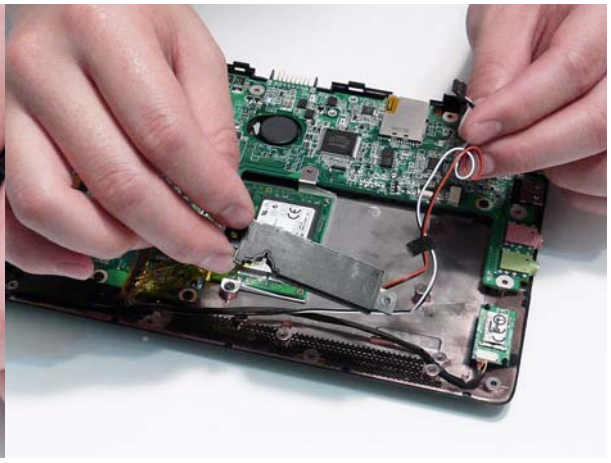
4. Connect the Bluetooth cable to the Mainboard.



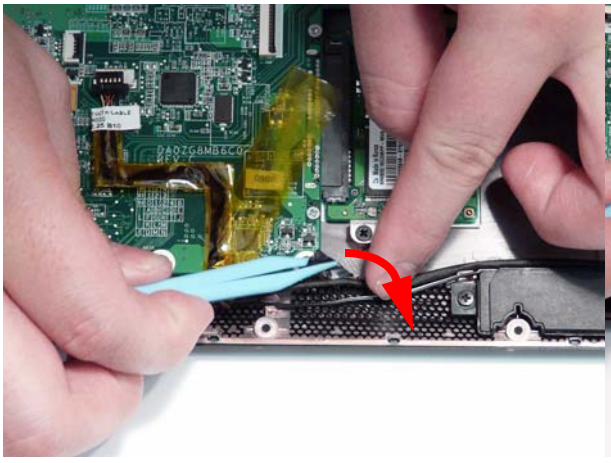
Replacing the Speaker Module

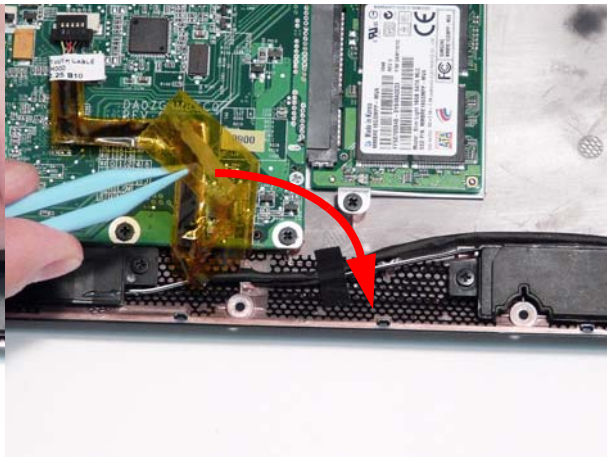
1. Align the screws on the Speaker Modules and the Lower Cover.
2. Replace the left and right Speakers as shown. Ensure that the locating pin on the left Speaker is seated correctly.

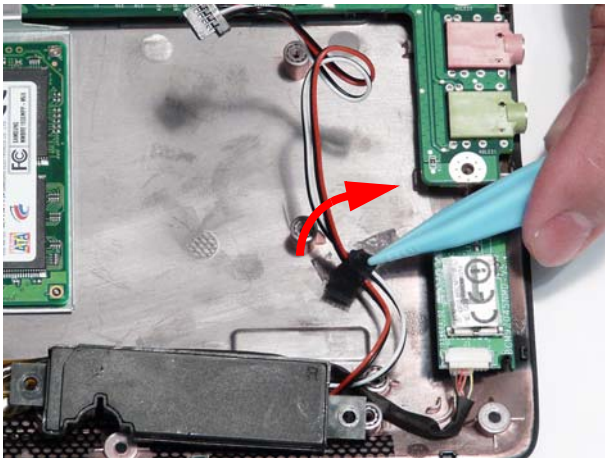




3. Replace the adhesive tapes securing the cables in place.

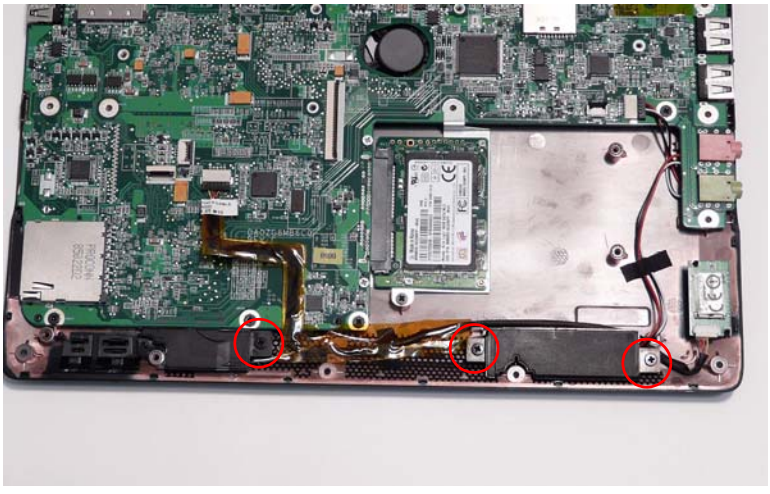






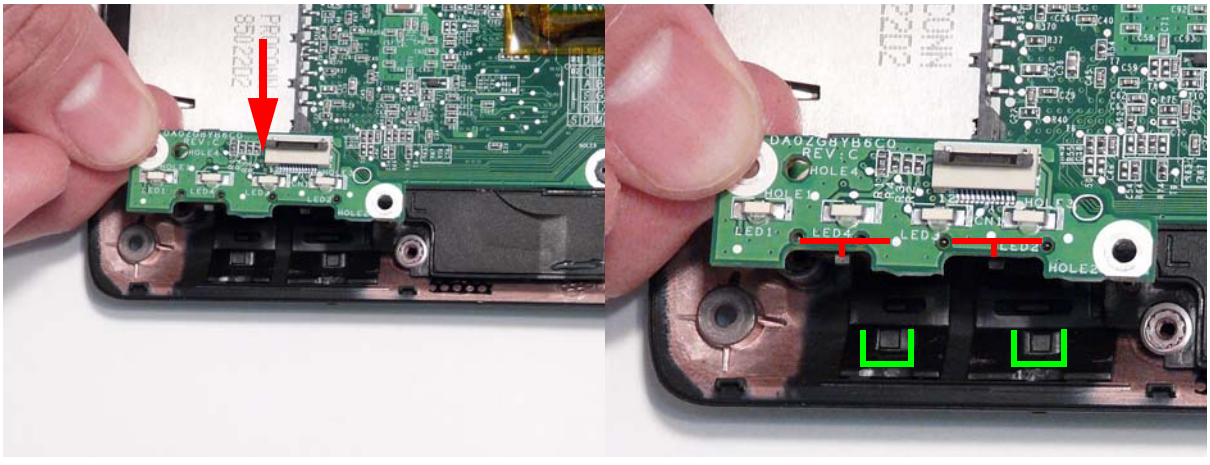
4. Connect the Speaker cable to the Mainboard connector.

5. Replace the three securing screws.

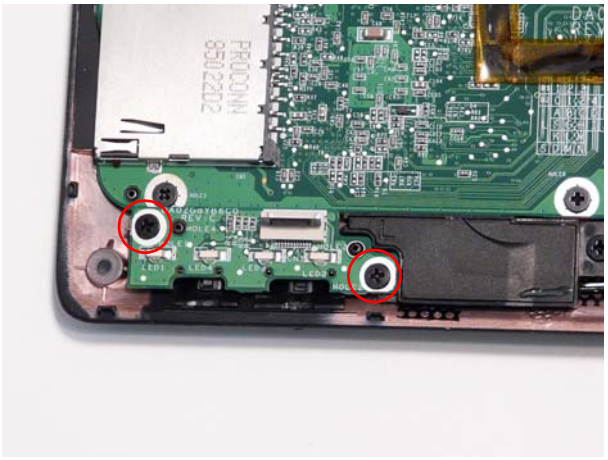


Replacing the LED Board

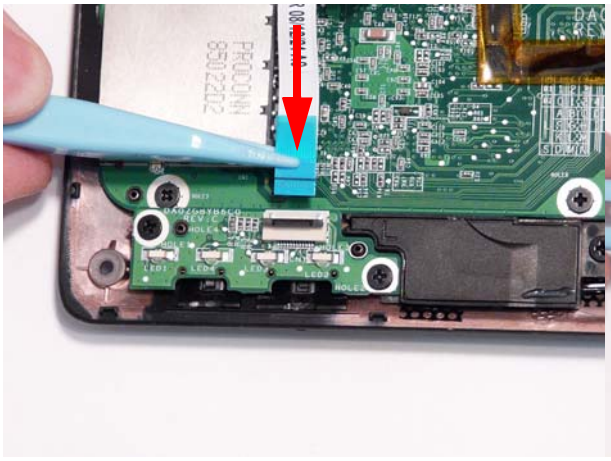
1. Place the LED Board in the Lower Cover as shown. Ensure that the Bluetooth and WLAN switches (red callouts) are correctly placed in the spacers (green callouts).

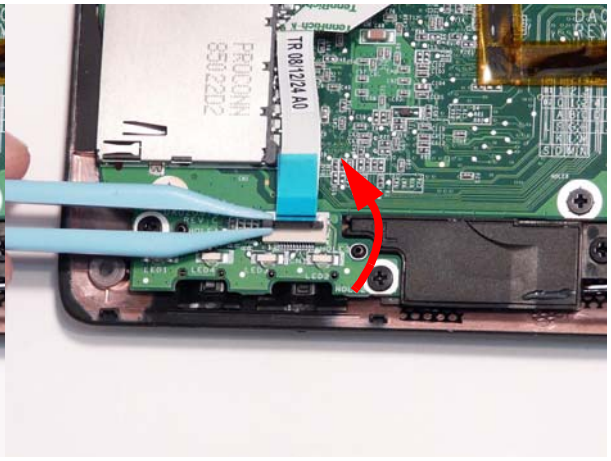


2. Replace the two securing screws.

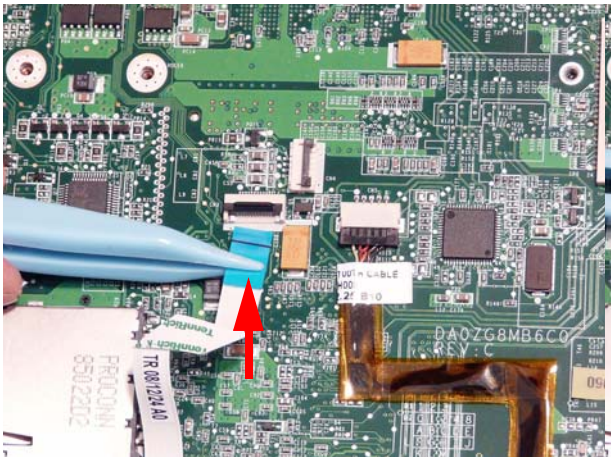


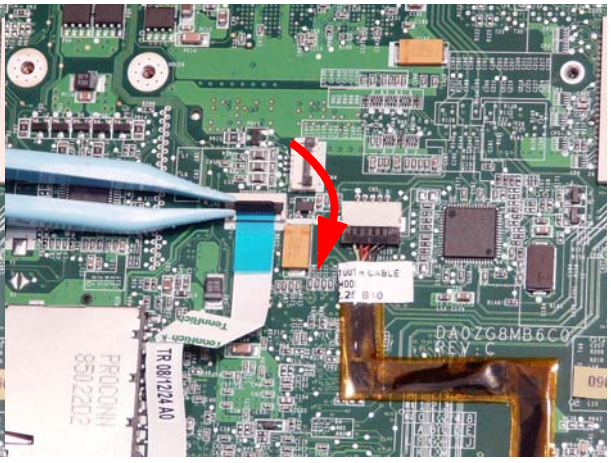
3. Connect the FFC to the LED Board and close the locking latch.





4. Connect the FFC to the Mainboard and close the locking latch.





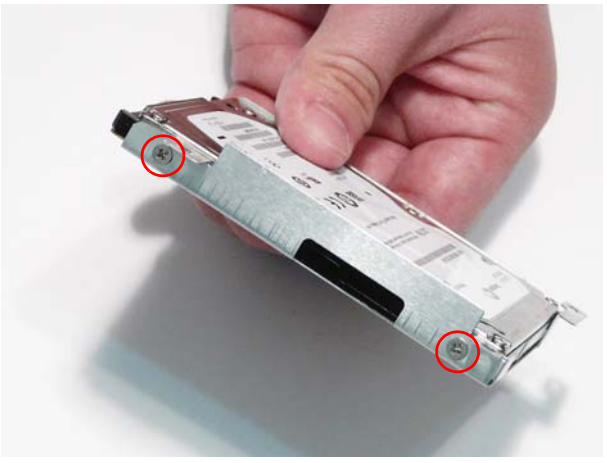
HDD SKU Reassembly Procedure

IMPORTANT: The procedures for replacing the CPU Fan, Thermal Module, RTC Battery, and Mainboard are identical for both SKUs. See “Replacing the CPU Fan” on page 111, “Replacing the Thermal Module” on page 112, “Replacing the RTC Battery” on page 113, and “Replacing the Mainboard” on page 113.

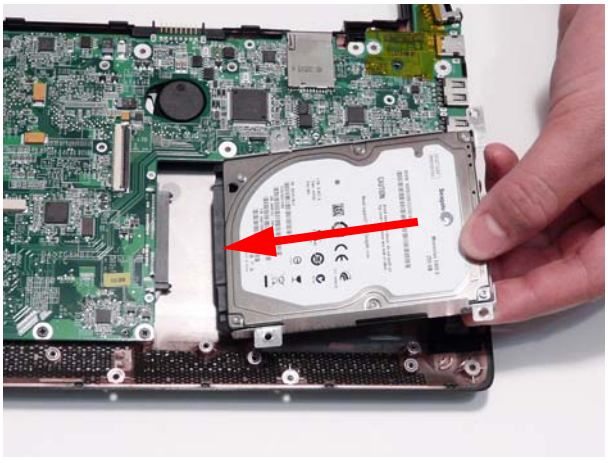
Replacing the HDD Module

1. Place the HDD in the carrier as shown.

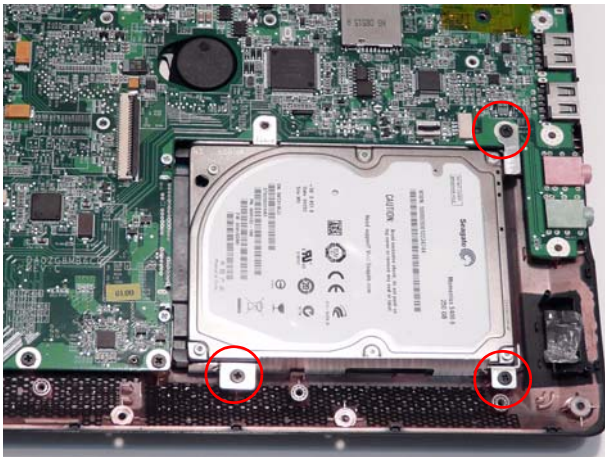
2. Replace the four securing screws (two each side).



3. Insert the module in the direction of the arrow. Ensure that the interface is properly connected.

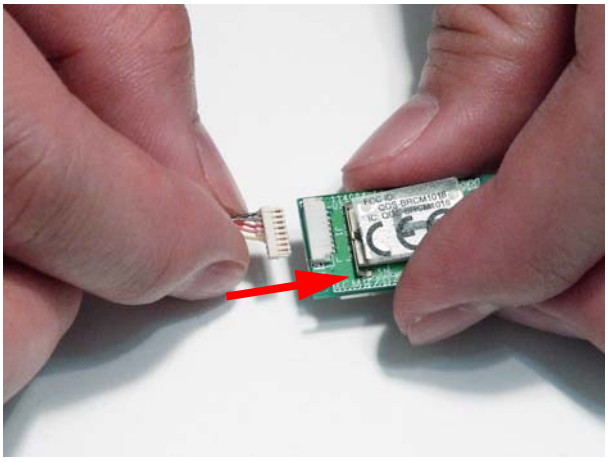


4. Replace the three securing screws.

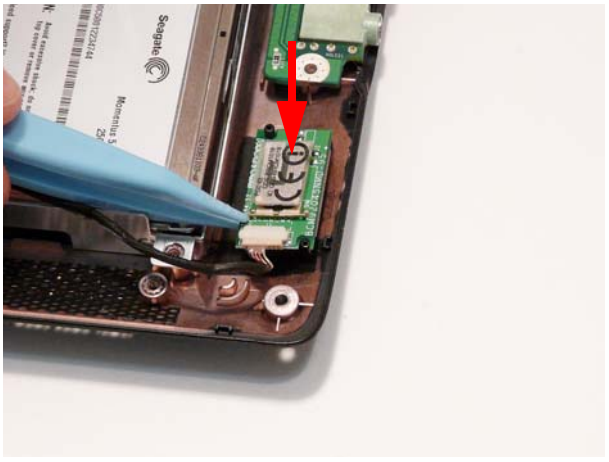


Replacing the Bluetooth Module

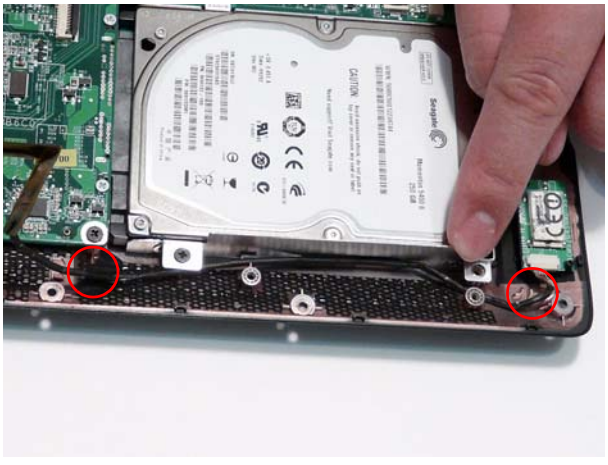
1. Connect the Bluetooth cable to the Bluetooth Module.



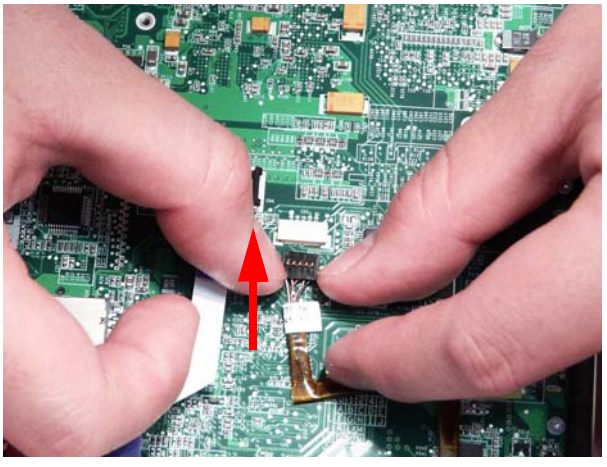
2. Place the Bluetooth Module in the Lower Cover as shown.



3. Run the Bluetooth cable along the Lower Cover as shown, using all the available cable clips.

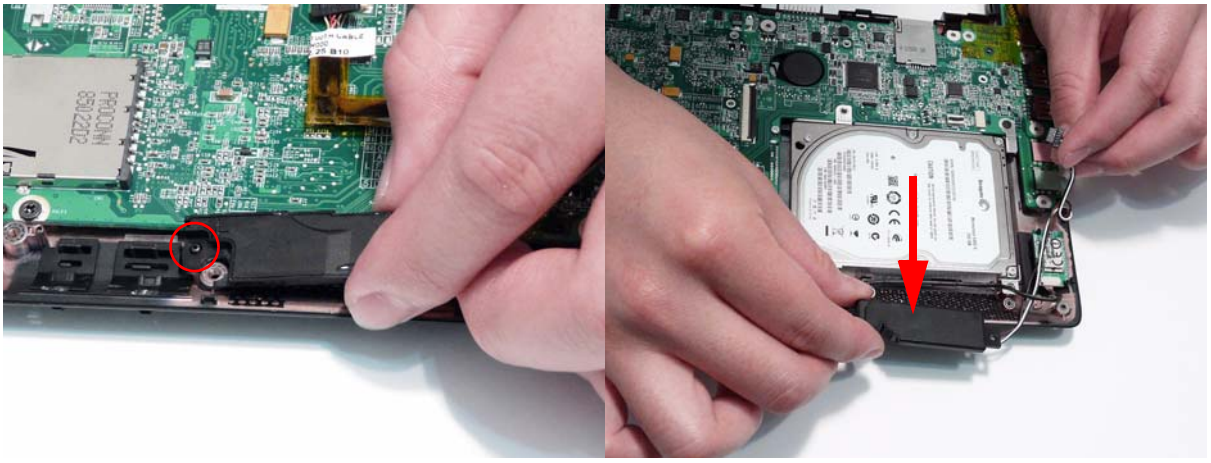


4. Connect the Bluetooth cable to the Mainboard.

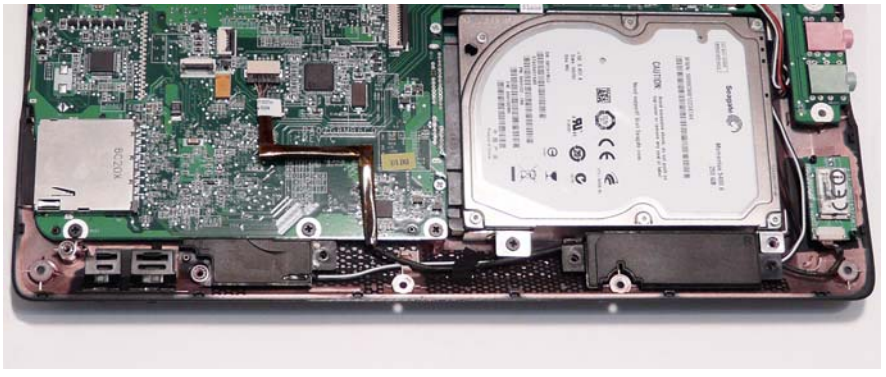


Replacing the Speaker Module

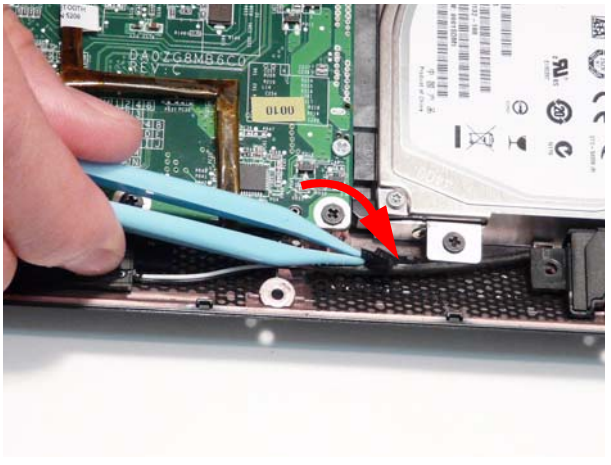
1. Align the screws on the Speaker Modules and the Lower Cover.
2. Replace the left and right Speakers as shown. Ensure that the locating pin on the left Speaker is seated correctly.



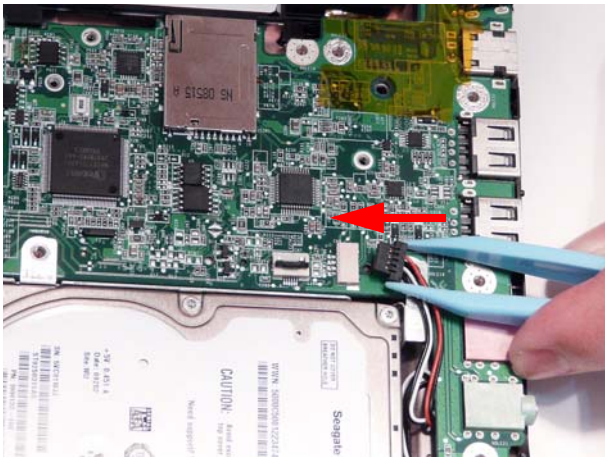
3. Ensure that the cables run as shown, tucked in to the cover between components to avoid trapping when the Upper Cover is replaced.



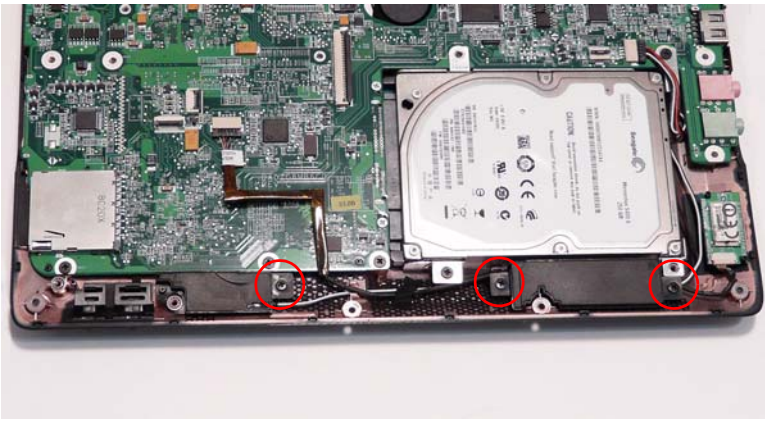
4. Replace the adhesive tape securing the cables in place.



5. Connect the Speaker cable to the Mainboard connector.

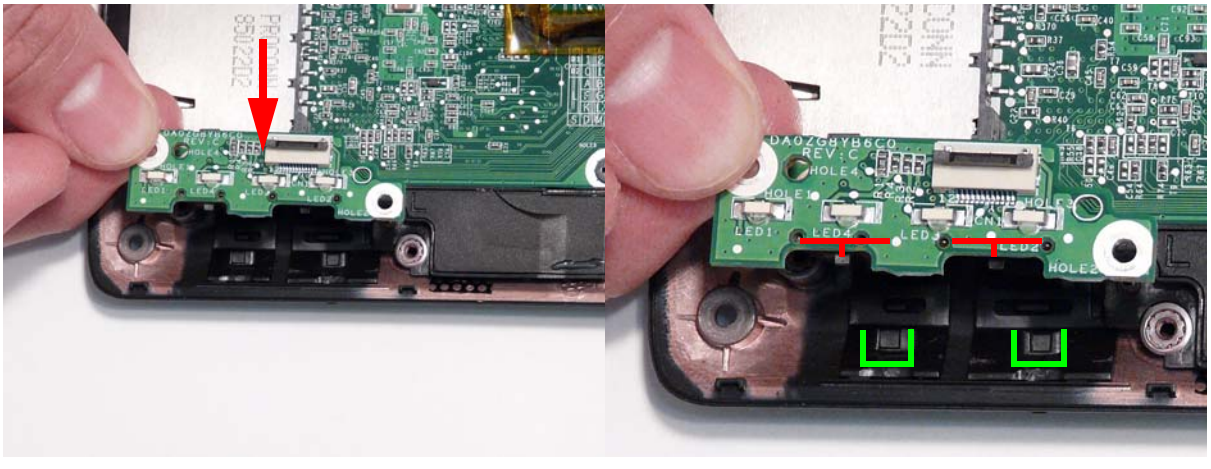


6. Replace the three securing screws.

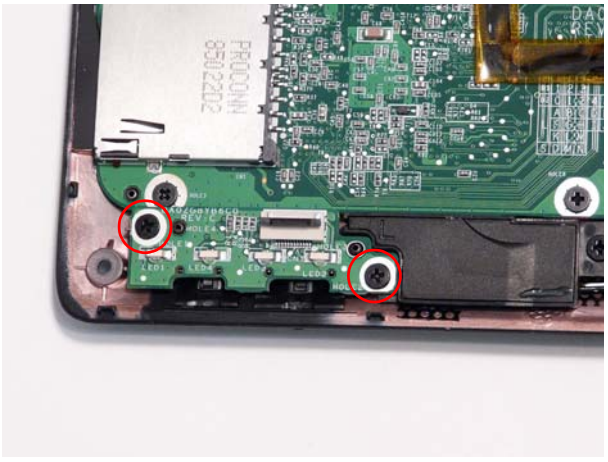


Replacing the LED Board

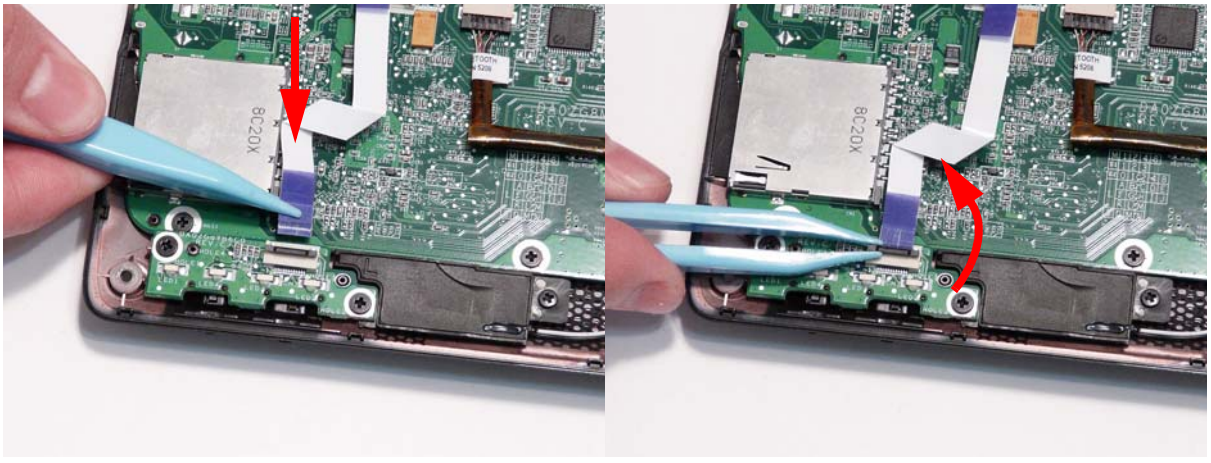
1. Place the LED Board in the Lower Cover as shown. Ensure that the Bluetooth and WLAN switches (red callouts) are correctly placed in the spacers (green callouts).



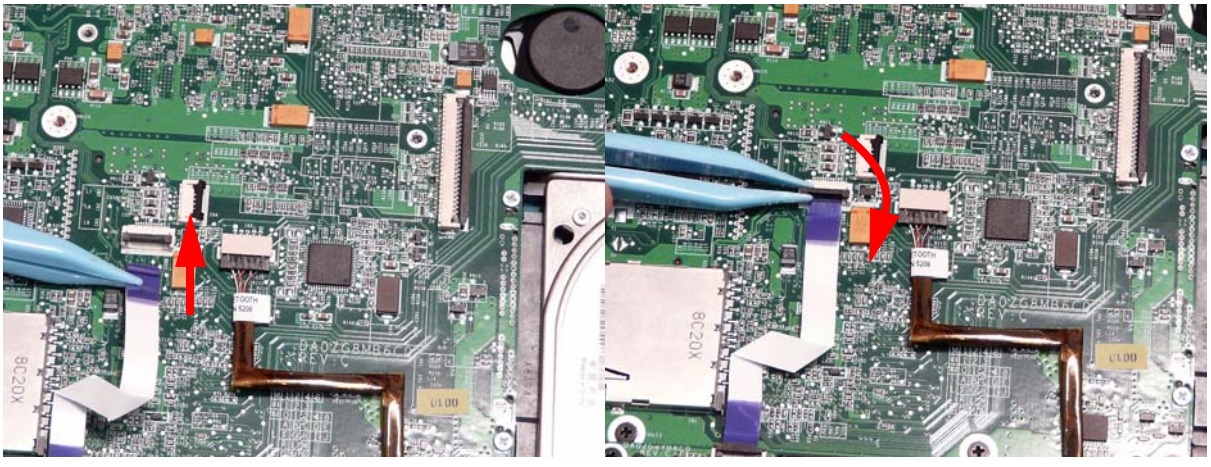
2. Replace the two securing screws.



3. Connect the FFC to the LED Board and close the locking latch.



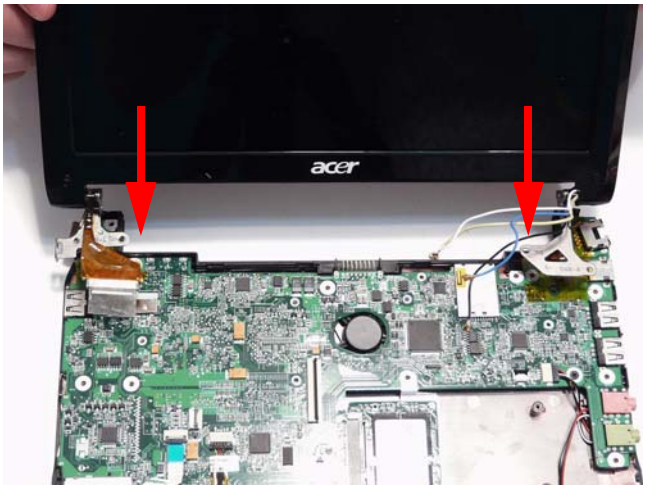
4. Connect the FFC to the Mainboard and close the locking latch.



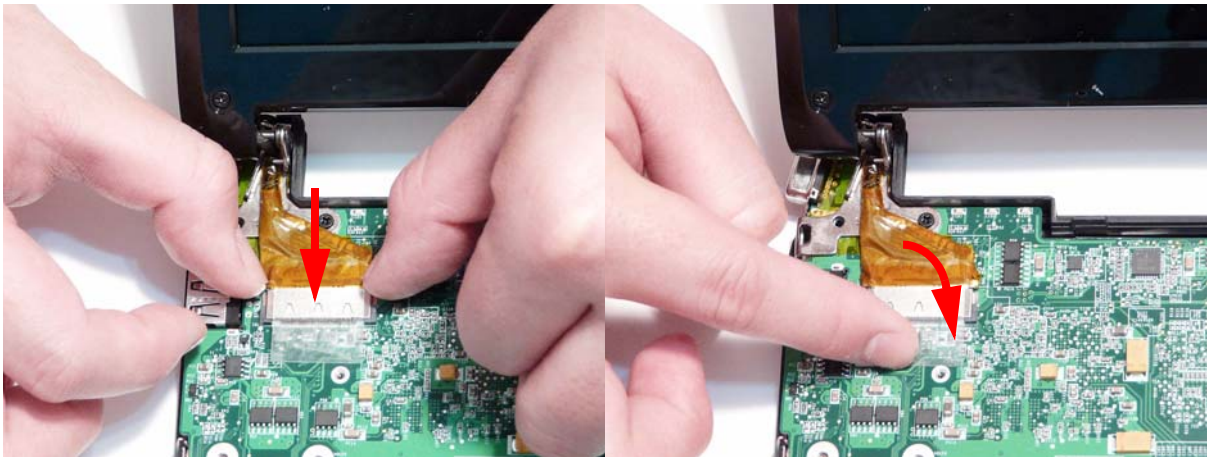
Upper Cover Reassembly Process

Replacing the LCD Module

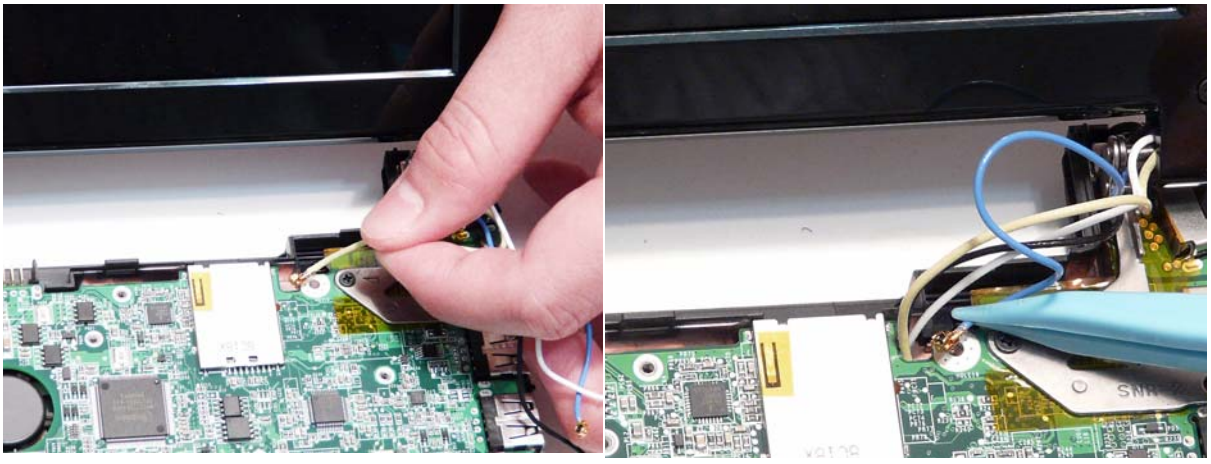
1. Place the LCD Module on the Lower Cover and secure it in place with the two screws.



2. Connect the Power cable to the Mainboard and secure the cable in place with the adhesive tape.



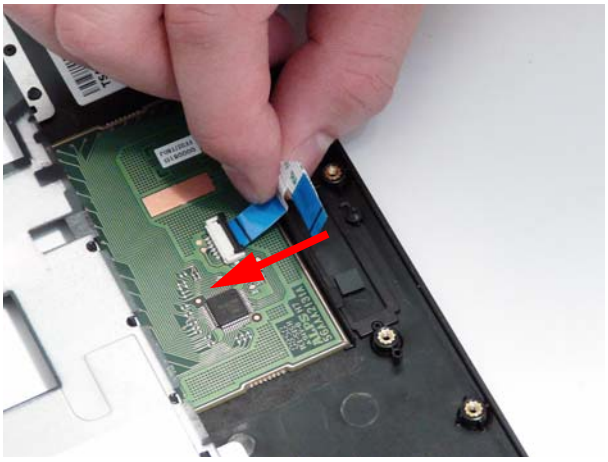
3. Pass the Antenna cables through the Lower Cover as shown.
   NOTE: The yellow and blue cables are only present on the 3G models.



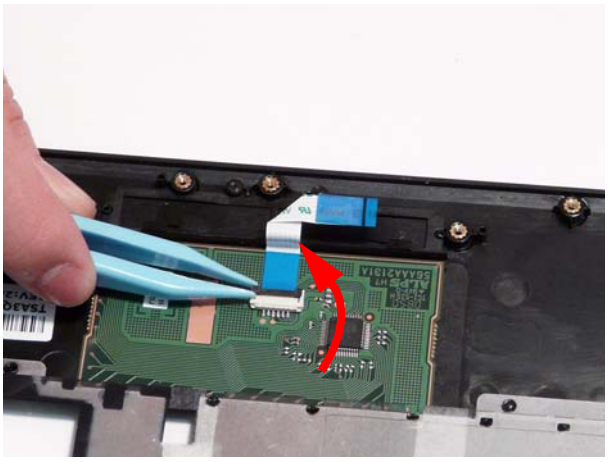
4. The Lower Cover appears as follows when all the LCD cables are correctly placed.

Replacing the TouchPad FFC

1. Insert the FFC in to the TouchPad connector.

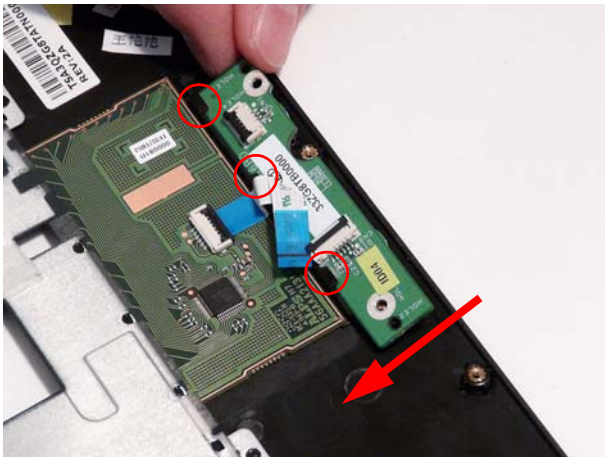


2. Close the locking latch to secure the cable in place.



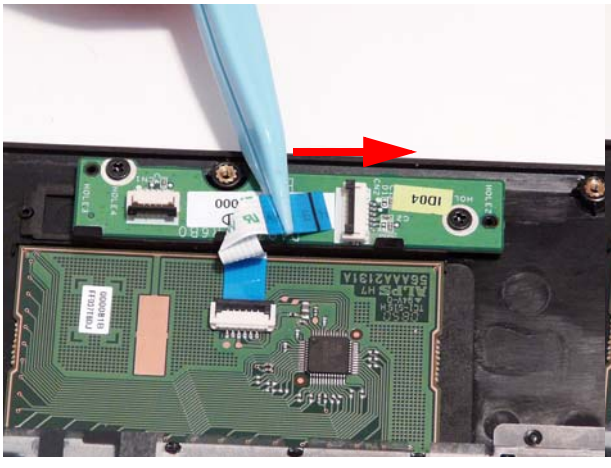
Replacing the Button Board

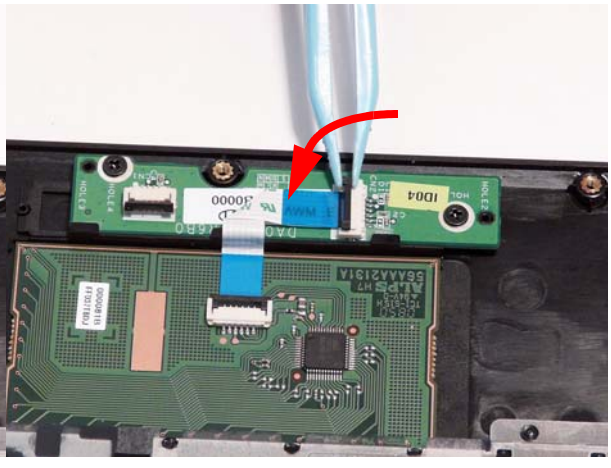
1. Place the Button Board rear edge first on to the Upper Cover to engage the securing clips.



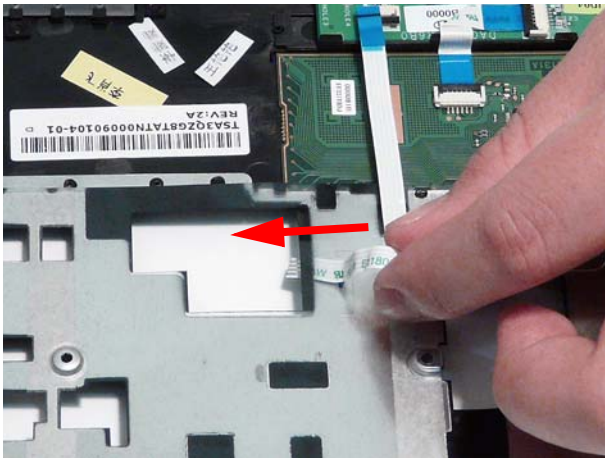
2. Replace the two securing screws.

3. Insert the TouchPad FFC in to the Button Board connector and close the locking latch.

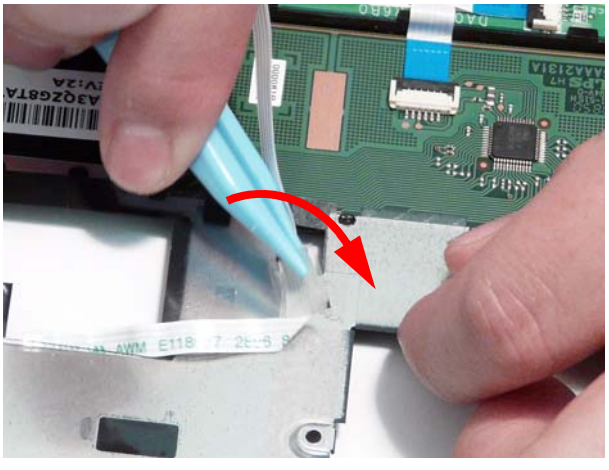




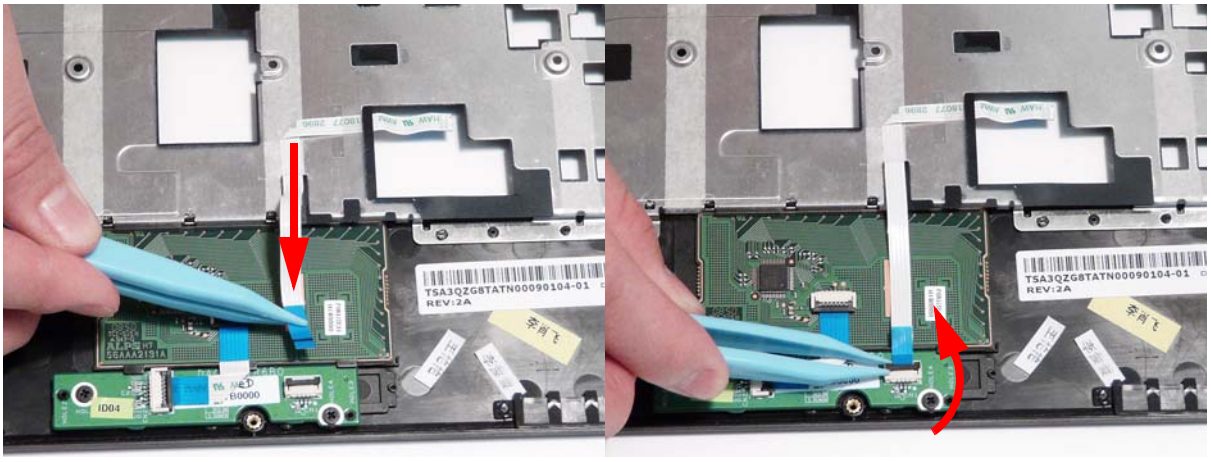
4. Lift the plastic covering and insert the FFC so that it is accessible from the top side.



5. Secure the FFC in place with the adhesive strip.

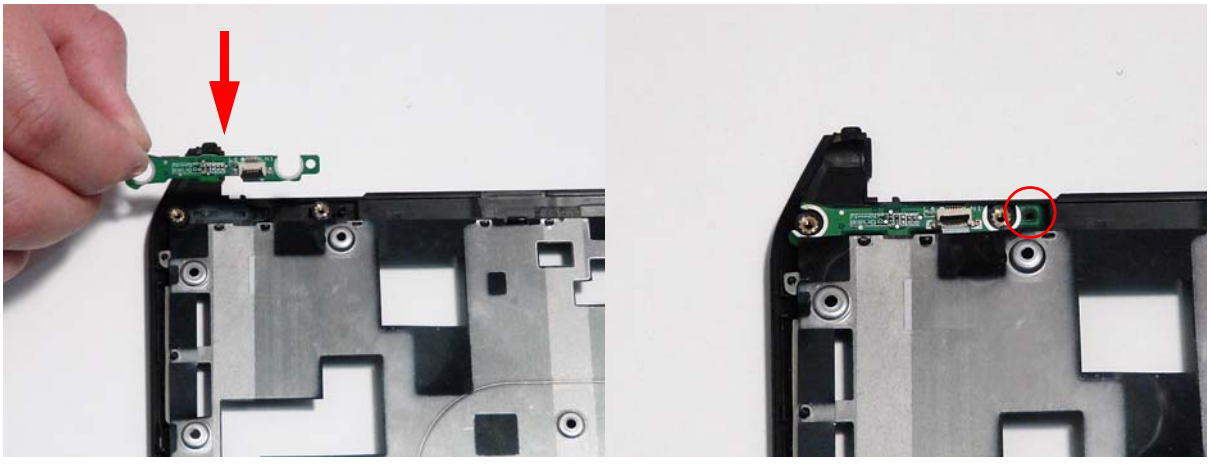


6. Insert the FFC in to the Button Board and close the locking latch.

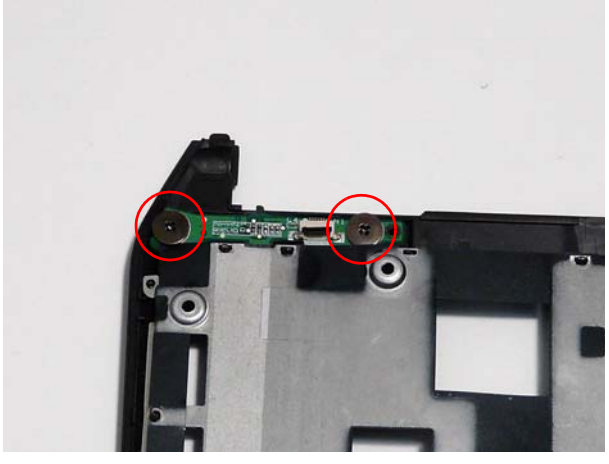


Replacing the Power Board

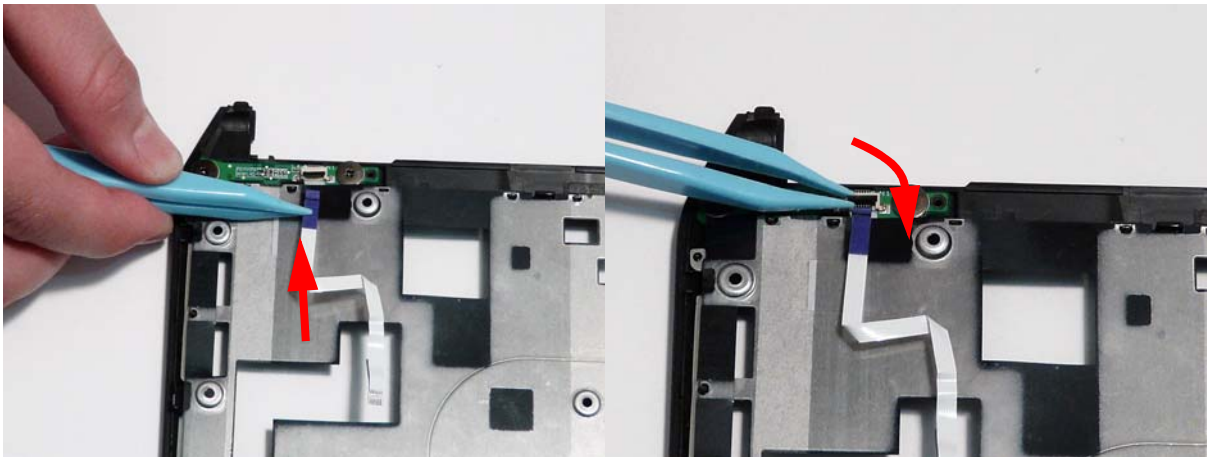
1. Place the Power Board front edge first on to the Upper Cover to seat the locating pin.



2. Replace the two securing screws.

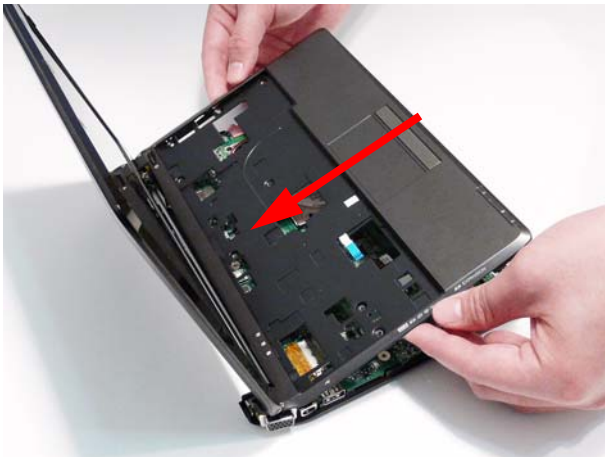


3. Insert the FFC in to the Power Board connector and close the locking latch.

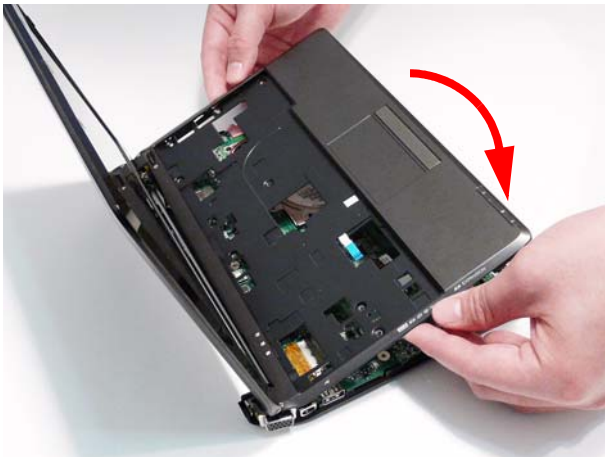


Replacing the Upper Cover

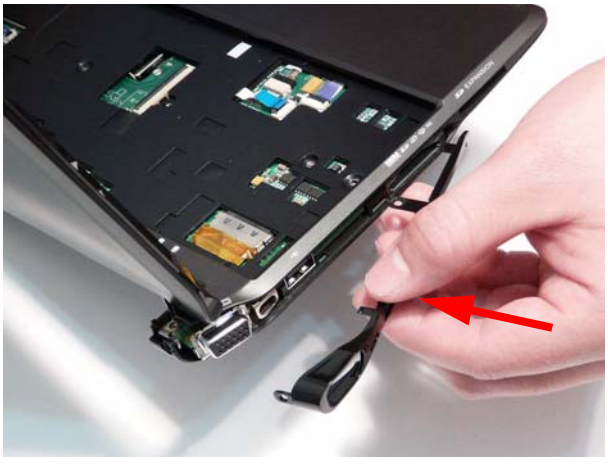
1. Place the Upper Cover on the Lower Cover rear edge first as shown.



2. Lower the Upper Cover in to place as shown.



3. Replace the left side cover, front edge first, as shown.



4. Press the cover in to place so that there are no gaps between the Upper an left covers.

5. Replace the right side cover, front edge first, as shown.

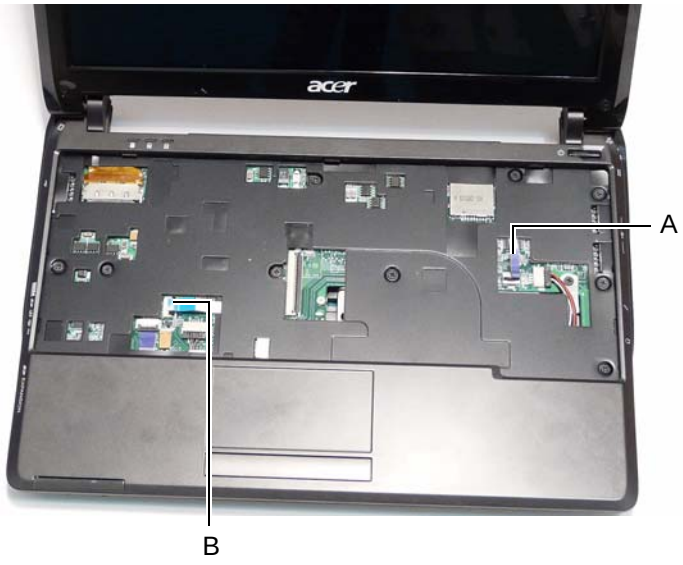
6. Press the cover in to place so that there are no gaps between the Upper an right covers.

7. Close the lid and replace the left hinge cover as shown.

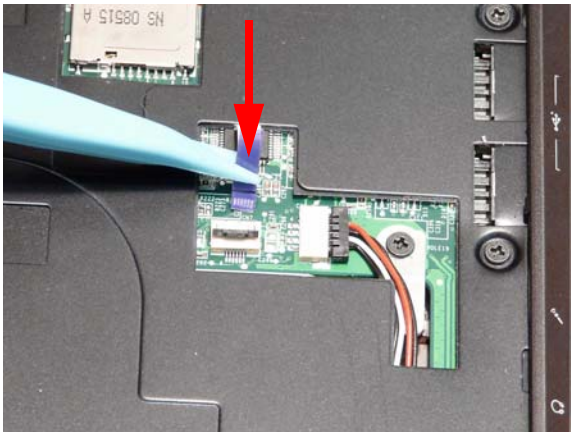
8. Replace the right hinge cover as shown.

9. Replace the two securing screws in the hinges.

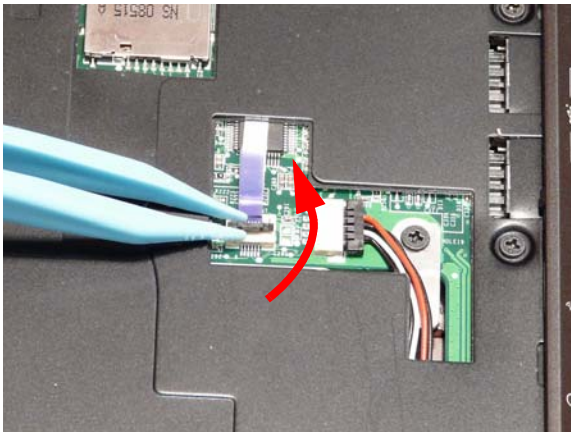
10. Reconnect the following cables to the Mainboard.



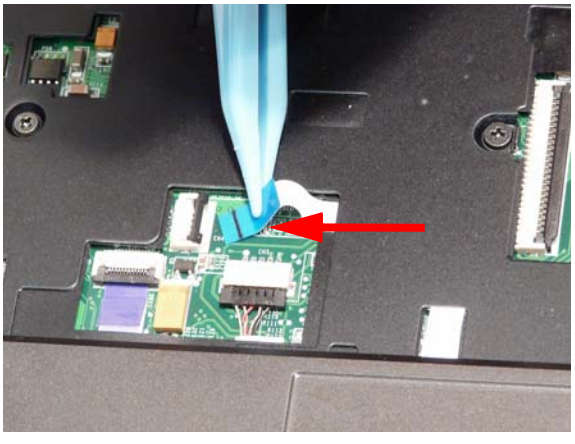
Connect A to the Mainboard.



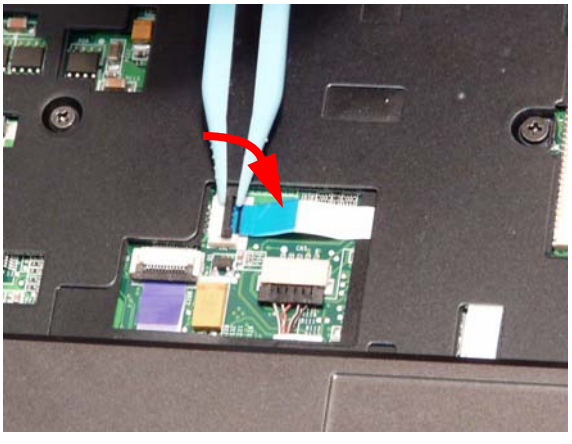
Secure the locking latch on A as shown.



Connect B to the Mainboard.

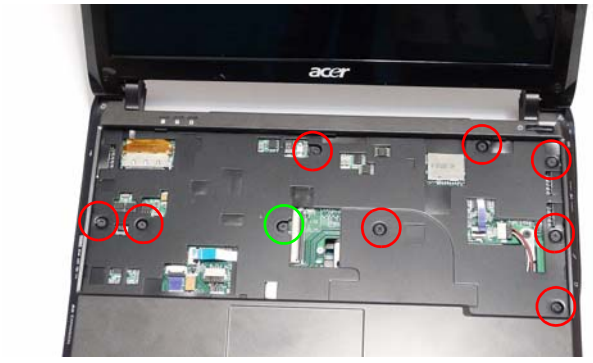


Secure the locking latch on B as shown.



11. Replace the nine securing screws in the Upper Cover.

NOTE: Ensure the correct screw type is used for each hole. Red callout: M2*5, Green callout: M2*3.

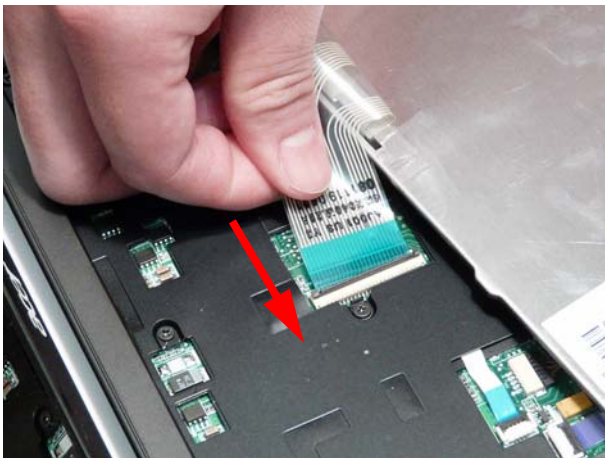


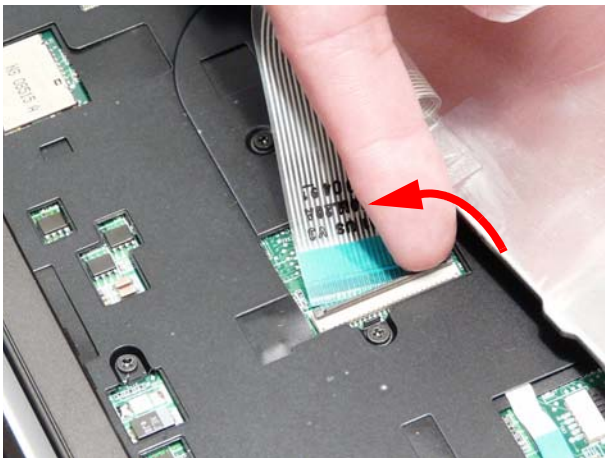
12. Turn the computer over and replace the seven securing screws as shown.

NOTE: Ensure the correct screw type is used for each hole. Red callout: M2*6, Green callout: M2*3.

Replacing the Keyboard

1. Turn the computer over. Insert the Keyboard FFC in to the Mainboard connector.
2. Close the FFC locking latch as shown.





3. Turn the Keyboard over and slide it in the direction of the arrow.

IMPORTANT: Ensure the four securing tabs slide underneath the Upper Cover to secure the keyboard in place.

4. Press the Keyboard down as shown to engage the three securing clips.

Replacing the 3G Module

1. Turn the computer over. Insert the 3G Module in to the socket.

2. Replace the single securing screw.

3. Connect the two 3G Antenna cables to the 3G Module.

IMPORTANT: The yellow cable attaches to the M (Main) terminal and the blue cable attaches to the A (Aux) terminal.

Replacing the WLAN Module

1. Insert the WLAN Module in to the WLAN socket.

2. Replace the single securing screw.

3. Connect the two Antenna cables to the WLAN Module.

IMPORTANT: The black cable attaches to the Main terminal and the white (or gray) cable attaches to the Aux terminal.

Replacing the DIMM Module

1. Insert the DIMM Module in to the DIMM slot.

2. Press the module down to complete the installation.

Replacing the Lower Covers

1. Replace the Wireless Cover and press down around the perimeter to snap it in to place.

2. Replace the Memory Cover and press down around the perimeter to snap it in to place.

3. Secure the covers in place with the captive screws.

Replacing the SD Dummy Card

1. Insert the SD Dummy Card as shown.

2. Press the card in to the slot until it clicks in to place.

Replacing the Battery

1. Slide and hold the battery release latch to the release position (1), then insert the battery pack in to the main unit (2).

2. Slide the battery lock/unlock latch to the lock position.

Troubleshooting

Common Problems

Use the following procedure as a guide for computer problems.

NOTE: The diagnostic tests are intended to test only Acer products. Non-Acer products, prototype cards, or modified options can give false errors and invalid system responses.

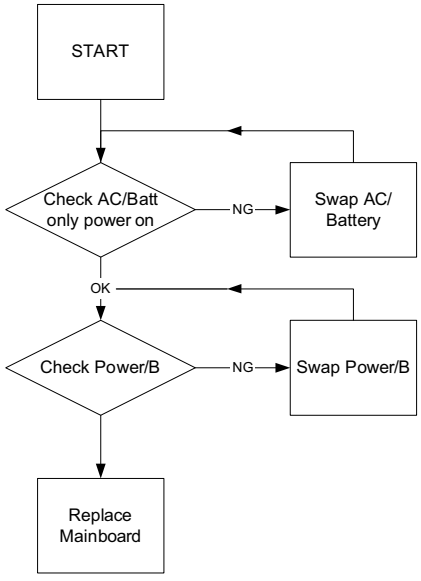
1. Obtain the failing symptoms in as much detail as possible.
2. Verify the symptoms by attempting to re-create the failure by running the diagnostic test or by repeating the same operation.
3. Use the following table with the verified symptom to determine which page to go to.

Symptoms (Verified)	Go To
Power On Issue	Page 140
No Display Issue	Page 141
LCD Failure	Page 143
Internal Keyboard Failure	Page 143
TouchPad Failure	Page 144
Internal Speaker Failure	Page 144
Internal Microphone Failure	Page 146
Rightside USB Failure	Page 148
Power Button Failure	Page 148
Other Functions Failure	Page 149
Intermittent Failures	Page 150
Undermined Failures	Page 150

4. If the Issue is still not resolved, see “Online Support Information” on page 193.

Power On Issue

If the system doesn't power on, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



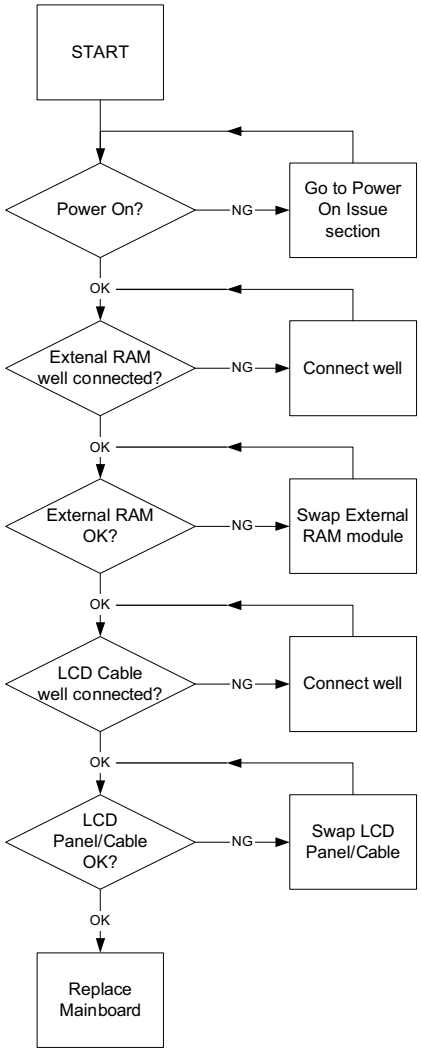
Computer Shuts Down Intermittently

If the system powers off at intervals, perform the following actions one at a time to correct the problem.

1. Check the power cable is properly connected to the computer and the electrical outlet.
2. Remove any extension cables between the computer and the outlet.
3. Remove any surge protectors between the computer and the electrical outlet. Plug the computer directly into a known good electrical outlet.
4. Remove all external and non-essential hardware connected to the computer that are not necessary to boot the computer to the failure point.
5. Remove any recently installed software.
6. If the Issue is still not resolved, see "Online Support Information" on page 193.

No Display Issue

If the **Display** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



No POST or Video

If the POST or video doesn't display, perform the following actions one at a time to correct the problem.

1. Make sure that the internal display is selected. On this notebook model, switching between the internal display and the external display is done by pressing **Fn+F5**. Reference Product pages for specific model procedures.
2. Make sure the computer has power by checking at least one of the following occurs:
   - Fans start up
   - Status LEDs light up

   If there is no power, see "Power On Issue" on page 140.
3. Drain any stored power by removing the power cable and battery and holding down the power button for 10 seconds. Reconnect the power and reboot the computer.
4. Connect an external monitor to the computer and switch between the internal display and the external display is by pressing **Fn+F5** (on this model).

If the POST or video appears on the external display, see “LCD Failure” on page 143.

5. Disconnect power and all external devices including port replicators or docking stations. Remove any memory cards and CD/DVD discs. Restart the computer.

   If the computer boots correctly, add the devices one by one until the failure point is discovered.

6. Reseat the memory modules.
7. Remove the drives (see “Disassembly Process” on page 40).
8. If the Issue is still not resolved, see “Online Support Information” on page 193.

Abnormal Video Display

If video displays abnormally, perform the following actions one at a time to correct the problem.

1. Reboot the computer.
2. If permanent vertical/horizontal lines or dark spots display in the same location, the LCD is faulty and should be replaced. See “Disassembly Process” on page 40.
3. If extensive pixel damage is present (different colored spots in the same locations on the screen), the LCD is faulty and should be replaced. See “Disassembly Process” on page 40.
4. Adjust the brightness to its highest level. See the User Manual for instructions on adjusting settings.

   NOTE: Ensure that the computer is not running on battery alone as this may reduce display brightness.

   If the display is too dim at the highest brightness setting, the LCD is faulty and should be replaced. See “Disassembly Process” on page 40.
5. Check the display resolution is correctly configured:
   a. Minimize or close all Windows.
   b. If display size is only abnormal in an application, check the view settings and control/mouse wheel zoom feature in the application.
   c. If desktop display resolution is not normal, right-click on the desktop and select **Personalize→ Display Settings**.
   d. Click and drag the Resolution slider to the desired resolution.
   e. Click **Apply** and check the display. Readjust if necessary.
6. Roll back the video driver to the previous version if updated.
7. Remove and reinstall the video driver.
8. Check the Device Manager to determine that:
   - The device is properly installed. There are no red Xs or yellow exclamation marks.
   - There are no device conflicts.
   - No hardware is listed under Other Devices.
9. If the Issue is still not resolved, see “Online Support Information” on page 193.
10. Run the Windows Memory Diagnostic from the operating system DVD and follow the onscreen prompts.
11. If the Issue is still not resolved, see “Online Support Information” on page 193.

Random Loss of BIOS Settings

If the computer is experiencing intermittent loss of BIOS information, perform the following actions one at a time to correct the problem.

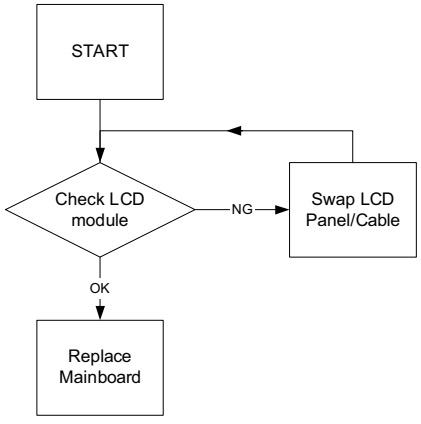
1. If the computer is more than one year old, replace the CMOS battery.
2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
3. If the computer is experiencing HDD or ODD BIOS information loss, disconnect and reconnect the power and data cables between devices.

If the BIOS settings are still lost, replace the cables.

4. If HDD information is missing from the BIOS, the drive may be defective and should be replaced.
5. Replace the Motherboard.
6. If the Issue is still not resolved, see “Online Support Information” on page 193.

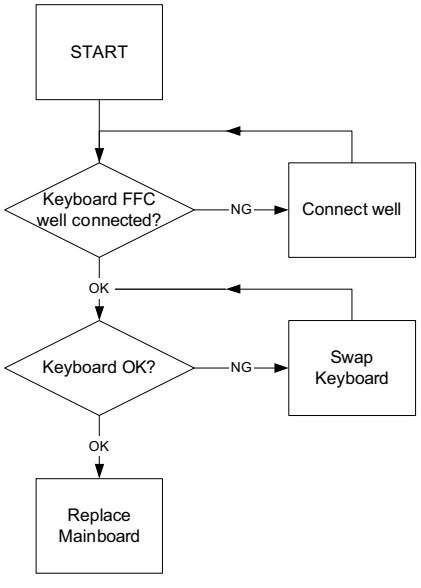
LCD Failure

If the **LCD** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



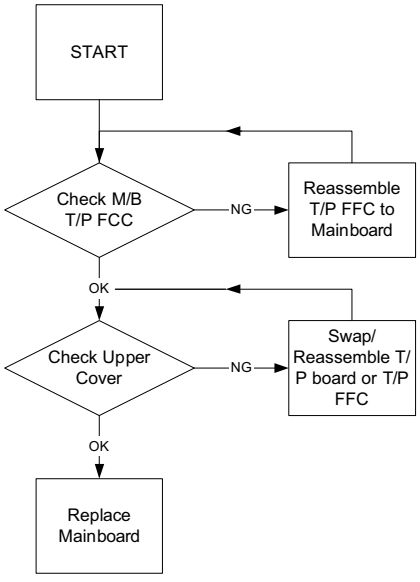
Built-In Keyboard Failure

If the built-in **Keyboard** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



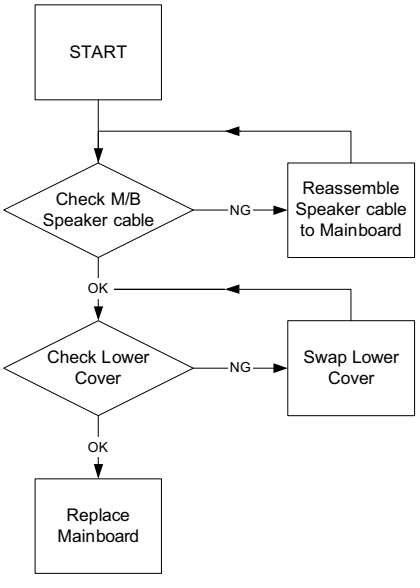
TouchPad Failure

If the **TouchPad** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Internal Speaker Failure

If the internal **Speakers** fail, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Sound Problems

If sound problems are experienced, perform the following actions one at a time to correct the problem.

1. Reboot the computer.
2. Navigate to **Start→ Control Panel→ System and Maintenance→ System→ Device Manager**. Check the Device Manager to determine that:

- The device is properly installed.
- There are no red Xs or yellow exclamation marks.
- There are no device conflicts.
- No hardware is listed under Other Devices.

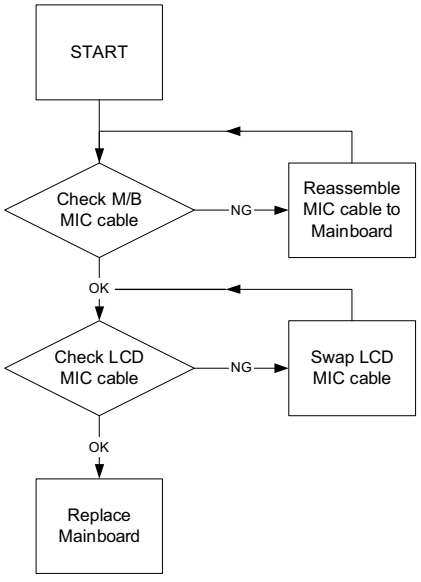
3. Roll back the audio driver to the previous version, if updated recently.
4. Remove and reinstall the audio driver.
5. Ensure that all volume controls are set mid range:
   a. Click the volume icon on the taskbar and drag the slider to 50. Ensure that the volume is not muted.
   b. Click Mixer to verify that other audio applications are set to 50 and not muted.
6. Navigate to **Start→ Control Panel→ Hardware and Sound→ Sound**. Ensure that Speakers are selected as the default audio device (green check mark).

   NOTE: If Speakers does not show, right-click on the **Playback** tab and select **Show Disabled Devices** (clear by default).
7. Select Speakers and click **Configure** to start **Speaker Setup**. Follow the onscreen prompts to configure the speakers.
8. Remove and recently installed hardware or software.
9. Restore system and file settings from a known good date using **System Restore**.

   If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
10. Reinstall the Operating System.
11. If the Issue is still not resolved, see “Online Support Information” on page 193.

Internal Microphone Failure

If the internal **Microphone** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Microphone Problems

If internal or external **Microphones** do no operate correctly, perform the following actions one at a time to correct the problem.

1. Check that the microphone is enabled. Navigate to **Start→ Control Panel→ Hardware and Sound→ Sound** and select the **Recording** tab.
2. Right-click on the **Recording** tab and select **Show Disabled Devices** (clear by default).
3. The microphone appears on the **Recording** tab.
4. Right-click on the microphone and select **Enable**.
5. Select the microphone then click **Properties**. Select the **Levels** tab.
6. Increase the volume to the maximum setting and click **OK**.
7. Test the microphone hardware:
   a. Select the microphone and click **Configure**.
   b. Select **Set up microphone**.
   c. Select the microphone type from the list and click **Next**.
   d. Follow the onscreen prompts to complete the test.
8. If the Issue is still not resolved, see “Online Support Information” on page 193.

HDD Not Operating Correctly

If the **HDD** does not operate correctly, perform the following actions one at a time to correct the problem.

1. Disconnect all external devices.
2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
3. Run the Windows Vista Startup Repair Utility:
   a. insert the Windows Vista Operating System DVD in the ODD and restart the computer.
   b. When prompted, press any key to start to the operating system DVD.
   c. The **Install Windows** screen displays. Click **Next**.
   d. Select **Repair your computer**.
   e. The **System Recovery Options** screen displays. Click **Next**.
   f. Select the appropriate operating system, and click **Next**.

   NOTE: Click **Load Drivers** if controller drives are required.

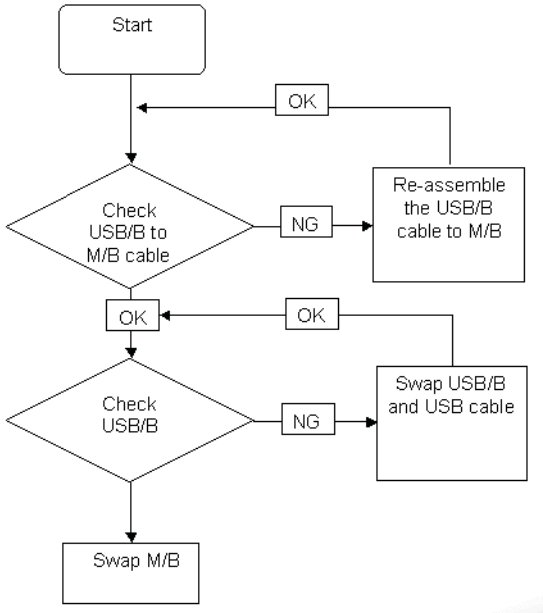
   g. Select **Startup Repair**.
   h. Startup Repair attempts to locate and resolve issues with the computer.
   i. When complete, click **Finish**.

   If an issue is discovered, follow the onscreen information to resolve the problem.
4. Run the Windows Memory Diagnostic Tool. For more information see Windows Help and Support.
5. Restart the computer and press F2 to enter the BIOS Utility. Check the BIOS settings are correct and that CD/DVD drive is set as the first boot device on the Boot menu.
6. Ensure all cables and jumpers on the HDD and ODD are set correctly.
7. Remove any recently added hardware and associated software.
8. Run the Windows Disk Defragmenter. For more information see Windows Help and Support.
9. Run Windows Check Disk by entering **chkdsk /r** from a command prompt. For more information see Windows Help and Support.
10. Restore system and file settings from a known good date using **System Restore**.

    If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
11. Replace the HDD. See “Disassembly Process” on page 40.

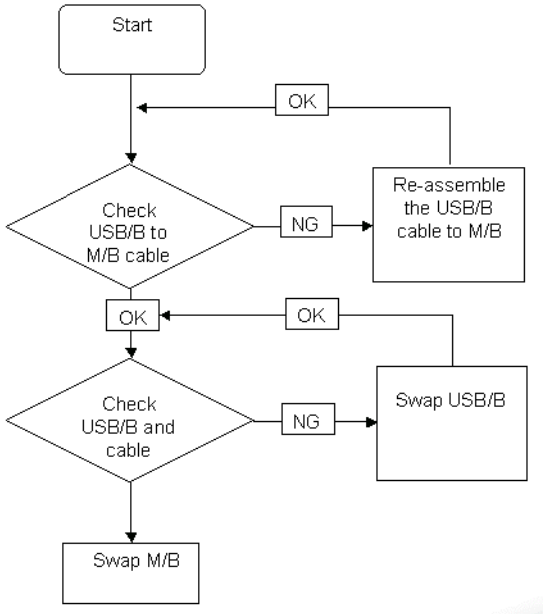
USB Failure (Rightside)

If the rightside **USB** port fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Power Button Failure

If the Power Button fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



External Mouse Failure

If an external **Mouse** fails, perform the following actions one at a time to correct the problem.

1. Try an alternative mouse.
2. If the mouse uses a wireless connection, insert new batteries and confirm there is a good connection. See the mouse user manual.
3. If the mouse uses a USB connection, try an alternate USB port.
4. Try an alternative program to verify mouse operation. Reinstall the program experiencing mouse failure.
5. Restart the computer.
6. Remove any recently added hardware and associated software.
7. Remove any recently added software and reboot.
8. Restore system and file settings from a known good date using **System Restore**.

   If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
9. Run the Event Viewer to check the events log for errors. For more information see Windows Help and Support.
10. Roll back the mouse driver to the previous version if updated recently.
11. Remove and reinstall the mouse driver.
12. Check the Device Manager to determine that:
    - The device is properly installed. There are no red Xs or yellow exclamation marks.
    - There are no device conflicts.
    - No hardware is listed under Other Devices.
13. If the Issue is still not resolved, see “Online Support Information” on page 193.

Other Failures

If the CRT Switch, Dock, LAN Port, external MIC or Speakers, PCI Express Card, 5-in-1 Card Reader or Volume Wheel fail, perform the following general steps to correct the problem. Do not replace a non-defective FRUs:

1. Check Drive whether is OK.
2. Check Test Fixture is ok.
3. Swap M/B to Try.

Intermittent Problems

Intermittent system hang problems can be caused by a variety of reasons that have nothing to do with a hardware defect, such as: cosmic radiation, electrostatic discharge, or software errors. FRU replacement should be considered only when a recurring problem exists.

When analyzing an intermittent problem, do the following:

1. Run the advanced diagnostic test for the system board in loop mode at least 10 times.
2. If no error is detected, do not replace any FRU.
3. If any error is detected, replace the FRU. Rerun the test to verify that there are no more errors.

Undetermined Problems

The diagnostic problems does not identify which adapter or device failed, which installed devices are incorrect, whether a short circuit is suspected, or whether the system is inoperative.

Follow these procedures to isolate the failing FRU (do not isolate non-defective FRU).

NOTE: Verify that all attached devices are supported by the computer.

NOTE: Verify that the power supply being used at the time of the failure is operating correctly. (See “Power On Issue” on page 140):

1. Power-off the computer.
2. Visually check them for damage. If any problems are found, replace the FRU.
3. Remove or disconnect all of the following devices:
    - Non-Acer devices
    - Printer, mouse, and other external devices
    - Battery pack
    - Hard disk drive
    - DIMM
    - CD-ROM/Diskette drive Module
    - PC Cards
4. Power-on the computer.
5. Determine if the problem has changed.
6. If the problem does not recur, reconnect the removed devices one at a time until you find the failing FRU.
7. If the problem remains, replace the following FRU one at a time. Do not replace a non-defective FRU:
    - System board
    - LCD assembly

POST Code Reference Tables

These tables describe the POST codes and components of the POST process.

Sec:

NO_EVICTION_MODE_DEBUG EQU 1 (CommonPlatform\sec\Ia32\SecCore.inc)

Code	Description
0xC2	MTRR setup
0xC3	Enable cache
0xC4	Establish cache tags
0xC5	Enter NEM, Place the BSP in No Fill mode, set CR0.CD = 1, CR0.NW = 0.
0xCF	Cache Init Finished

Memory:

DEBUG_BIOS equ 1 (Chipset\Alviso\MemoryInitAsm\IA32\IMEMORY.INC)

Code	Description
0xA0	First memory check point
0x01	Enable MCHBAR
0x02	Check for DRAM initialization interrupt and reset fail
0x03	Verify all DIMMs are DDR or DDR2 and unbuffered
0x04	Detect an improper warm reset and handle
0x05	Detect if ECC SO-DIMMs are present in the system
0x06	Verify all DIMMs are single or double sided and not asymmetric
0x07	Verify all DIMMs are x8 or x16 width
0x08	Find a common CAS latency between the DIMMS and the MCH
0x09	Determine the memory frequency and CAS latency to program
0x10	Determine the smallest common TRAS for all DIMMs
0x11	Determine the smallest common TRP for all DIMMs
0x12	Determine the smallest common TRCD for all DIMMs
0x13	Determine the smallest refresh period for all DIMMs
0x14	Verify burst length of 8 is supported by all DIMMs
0x15	Determine the smallest tWR supported by all DIMMs
0x16	Determine DIMM size parameters
0x17	Program the correct system memory frequency
0x18	Determine and set the mode of operation for the memory channels
0x19	Program clock crossing registers
0x20	Disable Fast Dispatch
0x21	Program the DRAM Row Attributes and DRAM Row Boundary registers
0x22	Program the DRAM Bank Architecture register
0x23	Program the DRAM Timing & and DRAM Control registers
0x24	Program ODT
0x25	Perform steps required before memory init
0x26	Program the receive enable reference timing control register Program the DLL Timing Control Registers, RCOMP settings

Code	Description
0x27	Enable DRAM Channel I/O Buffers
0x28	Enable all clocks on populated rows
0x29	Perform JEDEC memory initialization for all memory rows
0x30	Perform steps required after memory init
0x31	Program DRAM throttling and throttling event registers
0x32	Setup DRAM control register for normal operation and enable
0x33	Enable RCOMP
0x34	Clear DRAM initialization bit in the SB
0x35	Initialization Sequence Completed, program graphic clocks
0xAF	Disable access to the XMM registers

BDS & Specific action:

Code	Description
0x00	Report the legacy boot is happening
0x12	Wake up the Aps
0x13	Initialize SMM Private Data and relocate BSP SMBASE
0x21	PC init begin at the stage1
0x27	Report every memory range do the hardware ECC init
0x28	Report status code of every memory range
0x50	Get the root bridge handle
0x51	Notify pci bus driver starts to program the resource
0x58	Reset the host controller
0x5A	IdeBus begin initialization
0x70	Simple Text Output Protocol Functions (VGA class reset)
0x71	Report that VGA Class driver is being disabled
0x72	Report that VGA Class driver is being enabled
0x78	Terminal Console In reset and Console Out reset
0x79	Report that the remote terminal is being disabled
0x7A	Report that the remote terminal is being enabled
0x90	Keyboard reset
0x91	USB Keyboard disable
0x92	Keyboard detection
0x93	Report that the usb keyboard is being enabled
0x94	Clear the keyboard buffer
0x95	Init Keyboard
0x98	Mouse reset
0x99	Mouse disable
0x9A	Detect PS2 mouse
0x9B	Report that the mouse is being enabled
0xB8	Peripheral removable media reset (ex: IsaFloppy, USB device)
0xB9	Peripheral removable media disable
0xBB	Peripheral removable media enable
0xE4	Report Status Code here for DXE_ENTRY_POINT once it is available

Code	Description
0xF8	Report that ExitBootServices () has been called
0xF9	Runtime driver set virtual address map

Each PEIM entry point used in 80_PORT

Code	Description
0x00	
0x01	PEI_EVENT_LOG
0x02	PEI_OEM_SERVICE
0x03	PEI_SIO_INIT
0x04	PEI_MONO_STATUS_CODE
0x05	PEI_CPU_IO_PCI_CFG
0x06	PEI_CPU_IO
0x07	PEI_PCI_CFG
0x08	PEI_CPU_PEIM
0x09	PEI_PLATFORM_STAGE1
0x0A	PEI_VARIABLE
0x0B	PEI_SB_INIT
0x0C	PEI_CAPSULE
0x0D	PEI_PLATFORM_STAGE2
0x0E	PEI_SB_SMBUS_ARP_DISABLED
0x0F	PEI_HOST_TO_SYSTEM
0x10	PEI_MEMORY_INIT
0x11	PEI_S3_RESUME
0x12	PEI_CLOCK_GEN
0x13	PEI_OP_PRESENCE
0x14	PEI_TPM_TCG
0x15	PEI_FIND_FV
0x16	PEI_H2O_DEBUG_IO
0x17	PEI_H2O_DEBUG_COMM
0x18	PEI_SMM_CONTROL
0x19~0x1F	PEI_RESERVED
0x20~0x2E	PEI_OEM_DEFINED
0x2F	PEI_DXE_IPL

Each Driver entry point used in 80_PORT

Code	Description
0x30	RESERVED
0x31	DXE_CRC32_SECTION_EXTRACT
0x32	SCRIPT_SAVE
0x33	ACPI_S3_SAVE
0x34	SMART_TIMER
0x35	JPEG_DECODER
0x36	PCX_DECODER
0x37	HT_CPU / MP_CPU
0x38	LEGACY_METRONOME
0x39	FTWLITE
0x3A	RUN_RIME

Code	Description
0x3B	MONOTONIC_COUNTER
0x3C	WATCH_DOG_TIMER
0x3D	SECURITY_STUB
0x3E	DXE_CPU_IO
0x3F	CF9_RESET
0x40	PC_RTC
0x41	STATUS_CODE
0x42	VARIABLE
0x43	EMU_VARIABLE
0x44	DXE_CHIPSET_INIT
0x45	DXE_ALERT_FORMAT
0x46	PCI_HOST_BRIDGE
0x47	PCI_EXPRESS
0x48	DXE_SB_INIT
0x49	IDE_CONTROLLER
0x4A	SATA_CONTROLLER
0x4B	SB_SM_BUS
0x4C	ISA_ACPI_DRIVER
0x4D	ISA_BUS
0x4E	ISA_SERIAL
0x4F	IDE_BUS
0x50	PCI_BUS
0x51	BOOT_PRIORITY
0x52	FVB_SERVICE
0x53	ACPI_PLATFORM
0x54	PCI_HOT_PLUG
0x55	DXE_PLATFORM
0x56	PLATFORM_IDE
0x57	SMBIOS
0x58	MEMORY_SUB_CLASS
0x59	MISC_SUB_CLASS
0x5A	CON_PLATFORM
0x5B	SAVE_MEMORY_CONFIG
0x5C	ACPI_SUPPORT
0x5D	CON_SPLITTER_UGA_VGA / CON_SPLITTER
0x5E	VGA_CLASS
0x5F	DATA_HUB
0x60	DISK_IO
0x61	MEMORY_TEST
0x62	CRISIS_RECOVERY
0x63	LEGACY_8259
0x64	LEGACY_REGION
0x65	LEGACY_INTERRUPT

Code	Description
0x66	BIOS_KEYBOARD
0x67	BIOS_VEDIO
0x68	MONITER_KEY
0x69	LEGACY_BIOS
0x6A	LEGACY_BIOS_PLATFORM
0x6B	PCI_PLATFORM
0x6C	ISA_FLOOPY
0x6D	PS2_MOUSE
0x6E	USB_BOT
0x6F	USB_CBI0
0x70	USB_CBI1
0x71	USB_KB
0x72	USB_MASS_STORAGE
0x73	BUS_PCI_UHCI
0x74	USB_MOUSE
0x75	USB_BUS
0x76	SETUP_UTILITY
0x77	FW_BLOCK_SERVICE
0x78	USB_LEGACY_PLATFORM
0x79	GRAPHICS_CONSOLE
0x7A	TERMINAL
0x7B	DATA_HUB_STD_ERR
0x7C	FAT
0x7D	PARTITION
0x7E	ENGLISH
0x7F	FRENCH
0x80	HII_DATABASE
0x81	SETUP_BROWSER
0x82	OEM_SETUP_BROWSER
0x83	OEM_BADGING_SUPPORT
0x84	LEGACY_MOUSE
0x85	BIOS_SNP16
0x86	BUS_PCI_UNDI
0x87	SETUP_MOUSE
0x88	OEM_SETTING
0x89	MONITOR_KEY
0x8A	PLATFORM_BDS
0x8B	FAULT_TOLERANT_WRITE
0x8C	UPDATE_DISPATCHER
0x8D	CHINESE
0x8E	TPM_S3_Resume
0x8F	USB_EHCI
0x90	SNP_32_64

Code	Description
0x91	DXE_0x91 PXE_BC
0x92	PXE_DHCP4
0x93	EBC
0x94~0x9F	RESERVED
0xA0	DXE_H2O_DEBUG_IO
0xA1	DXE_H2O_DEBUG_IO
0xA2	DXE_TPM_TCG
0xA3	DXE_TPM_PHYSICAL_PRESENCE
0xA4	DXE_OEM_SERVICE
0xA5	DXE_EVENT_LOG
0xA6	DXE_ SECURITY_HDD_PASSWORD_SERVICE
0xA7	DXE_LAN_ASF_INIT
0xA8	DXE_BUS_PCI_SERIAL
0xA9	DXE_LAN_IDER_CONTROLLER
0xAA	DXE_LAN_AMT
0xAB	DXE_ SECURITY_SYSTEM_PASSWORD_SERVICE
0xAC	DXE_ SECURITY_ PASSWORD_CONSOLE
0xAD	DXE_ DATA_HUB_RECORD_POLICY
0xAE	DXE_TPM_DRIVER
0xAF	RESERVED
0xB0	JAPANESE
0xB1	DXE_UNICODE_COLLACTION

Each SmmDriver entry point used in 80_PORT

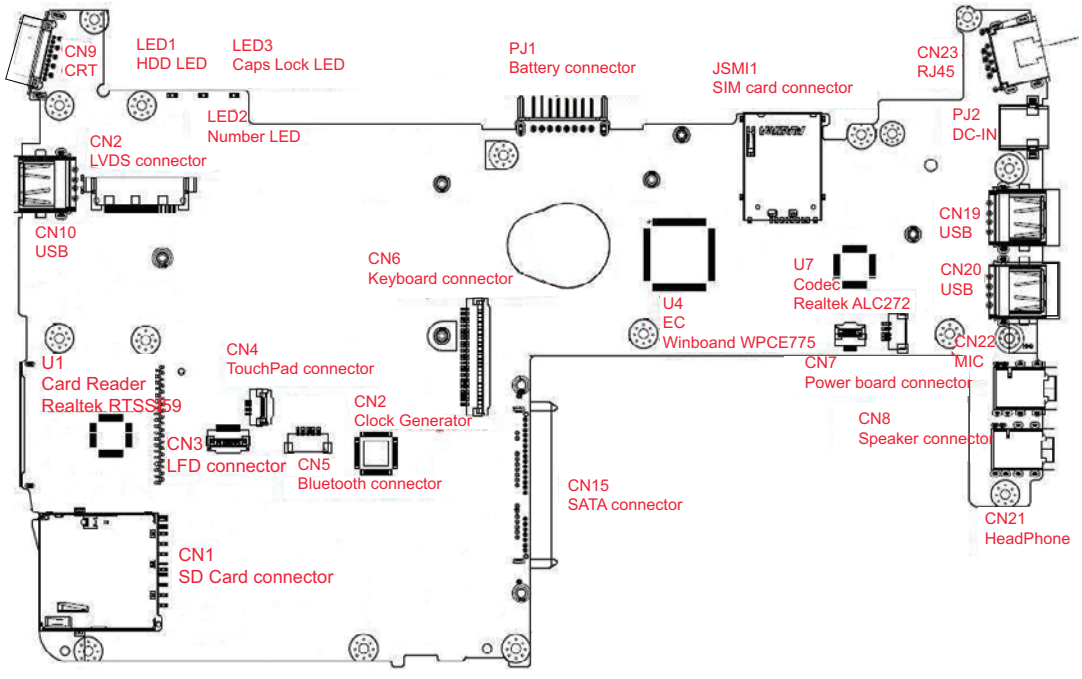
Code	Description
0xC0	SMM_ACCESS
0xC2	SMM_CONTROL
0xC1	SMM_BASE
0xC3	SMMAP
0xC4	SMMCORE
0xC5	SMM_DISPATCH
0xC6	SMM_START
0xC7	SMM_RUNTIME
0xC8	SB_SMM_DISPATCH
0xC9	SMM_THUNK
0xCA	SMM_ACPI_SW_CHILD
0xCB	SMM_SB_S3_SAVE
0xCC	SMM_PLATFORM
0xCD	SMM_GMCH_MBI
0xCE	SMM_FW_BLOCK_SERVICE
0xCF	SMM_VARIABLE
0xD0	SMM_IHISI
0xD1	SMM_INT15_MICROCODE
0xD2	SMM_PNP
0xD3	SMM_USB_LEGACY
0xD4	SMM_INT13_HDD
0xD5	SMM_INIT_PPM
0xD6	SMM_OHCI1394
0xD7	SMM_ SECURITY_HDD_PASSWORD_SERVICE
0xD8	SMM_OEM_SERVICE
0xD9	SMM_PPM
0xDA	SMM_DIGITAL_THERMAL_SENSOR

Jumper and Connector Locations

Top View

ZG8 MB Layout with description

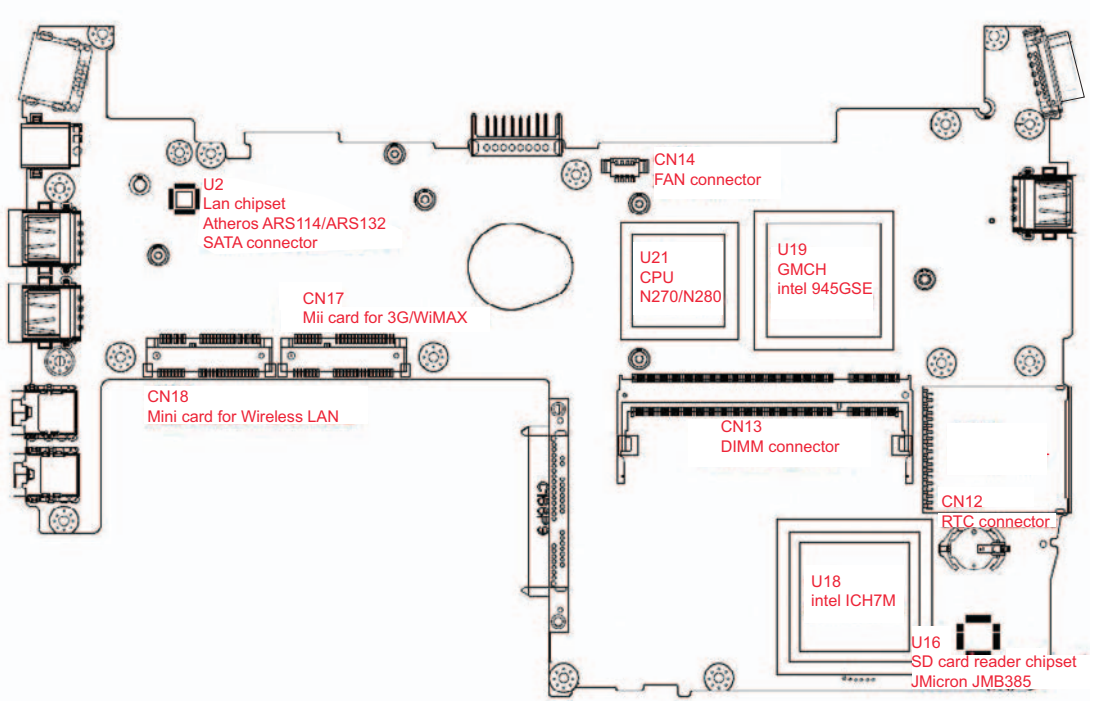
TOP view



Item	Description	Item	Description
CN1	SD card connector	CN21	Headphone connector
CN2	LVDS connector	CN22	MIC connector
CN3	LED connector	CN23	RJ45 Ethernet Connector
CN4	TouchPad connector	JSMI1	SIM card connector
CN5	Bluetooth connector	LED1	HDD LED
CN6	Keyboard connector	LED2	Num Lock LED
CN7	Power board connector	LED3	Caps Lock LED
CN8	Speaker connector	PJ1	Battery connector
CN9	CRT connector	PJ2	DC-in connector
CN10	USB connector	U1	Card reader
CN15	SATA connector	U2	Clock generator
CN19	USB connector	U4	EC Winbond WPCE775
CN20	USB connector	U7	Codec

Bottom View

Bottom view



Item	Description	Item	Description
CN11	Card reader connector	U16	SD card reader chipset
CN12	RTC connector	U18	Intel ICH7M
CN13	DIMM connector	U19	GMCH Intel 945GSE
CN14	Fan connector	U21	CPU N270/N280
CN17	Mini card connector for 3G/ WiMax	U22	LAN Atheros AR8114/ AR8132
CN18	Mini card for WLAN		

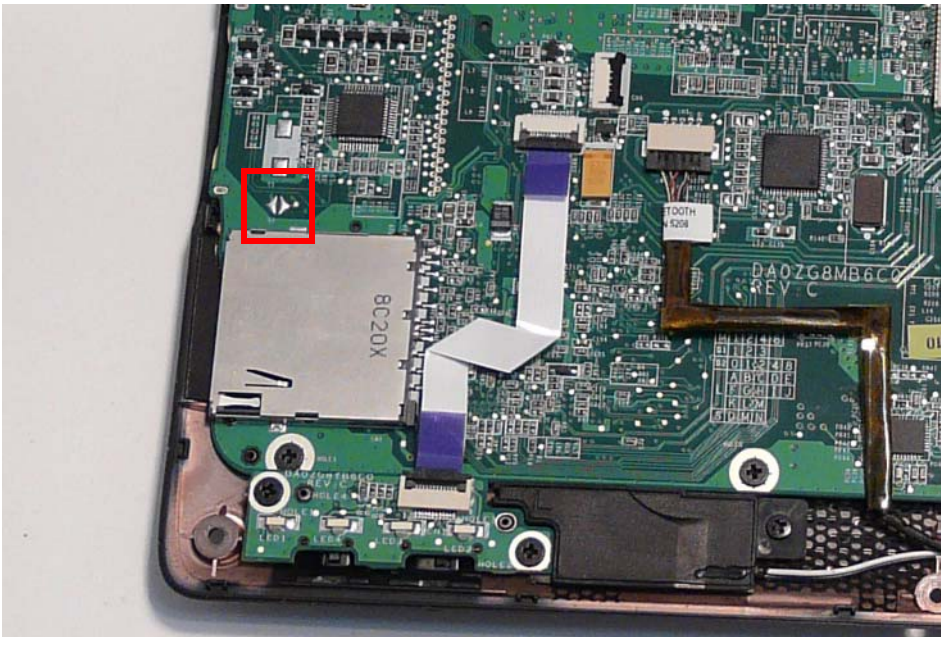
Clearing Password Check and BIOS Recovery

This section provides you the standard operating procedures of clearing password and BIOS recovery for Aspire one. Aspire one provide one Hardware Open Gap on main board for clearing password check, and one Hotkey for enabling BIOS Recovery.

Clearing Password Check

Hardware Open Gap Description

Item	Description	Location
CMOS Jumper	Clear CMOS password	Upper Mainboard near card reader



Steps for Clearing BIOS Password Check

If users set BIOS Password (Supervisor Password and/or User Password) for a security reason, BIOS will ask the password during systems POST or when systems enter to BIOS Setup menu. However, once it is necessary to bypass the password check, users need to short the HW Gap to clear the password by the following steps:

- Power Off a system, and remove HDD, AC and Battery from the machine.
- Open the back cover of the machine, and find out the HW Gap on M/B as picture.
- Use an electric conductivity tool to short the two points of the HW Gap for three seconds.
- Plug in AC, keep the short condition on the HW Gap, and press Power Button to power on the system till BIOS POST finish. Then remove the tool from the HW Gap.
- Restart system. Press F2 key to enter BIOS Setup menu.
- If there is no Password request, BIOS Password is cleared. Otherwise, please follow the steps and try again.

NOTE: The steps are only for clearing BIOS Password (Supervisor Password and User Password).

BIOS Recovery by Crisis Disk

BIOS Recovery Boot Block:

BIOS Recovery Boot Block is a special block of BIOS. It is used to boot up the system with minimum BIOS initialization. Users can enable this feature to restore the BIOS firmware to a successful one if a previous BIOS flashing process fails.

BIOS Recovery Hotkey:

The system provides a function hotkey: **Fn+Esc**, for enabling BIOS Recovery process when the system is powered on during BIOS POST. To use this function, it is strongly recommended to have the AC adapter and Battery present. If this function is enabled, the system will force the BIOS to enter a special BIOS block, called Boot Block.

Steps for BIOS Recovery from USB Storage:

Before doing this, prepare the Crisis USB key. The Crisis USB key can be made by executing the Crisis Disk program in another system with Windows XP OS.

Follow the steps below:

1. Modify the ROM archive file name from ***Zg5 BIOS*** to ***ZG5ia32.fd***.
2. Save the ROM file along with ***Flashit.exe*** (BIOS flash tool) to the root directory of the USB storage disk.
3. Plug USB storage disk into the USB port.
4. Press **Fn + ESC + Power** buttons. Remove your finger from the Power button but keep the Fn + Esc keys pressed till the Power button flashes once.

Note: During the first iteration, the LED of the USB disk will keep flashing for about 3 - 7 minutes. After this, the system restarts. You can check the BIOS version after the system restarts. If correct, the crisis system is set up correctly.

FRU (Field Replaceable Unit) List

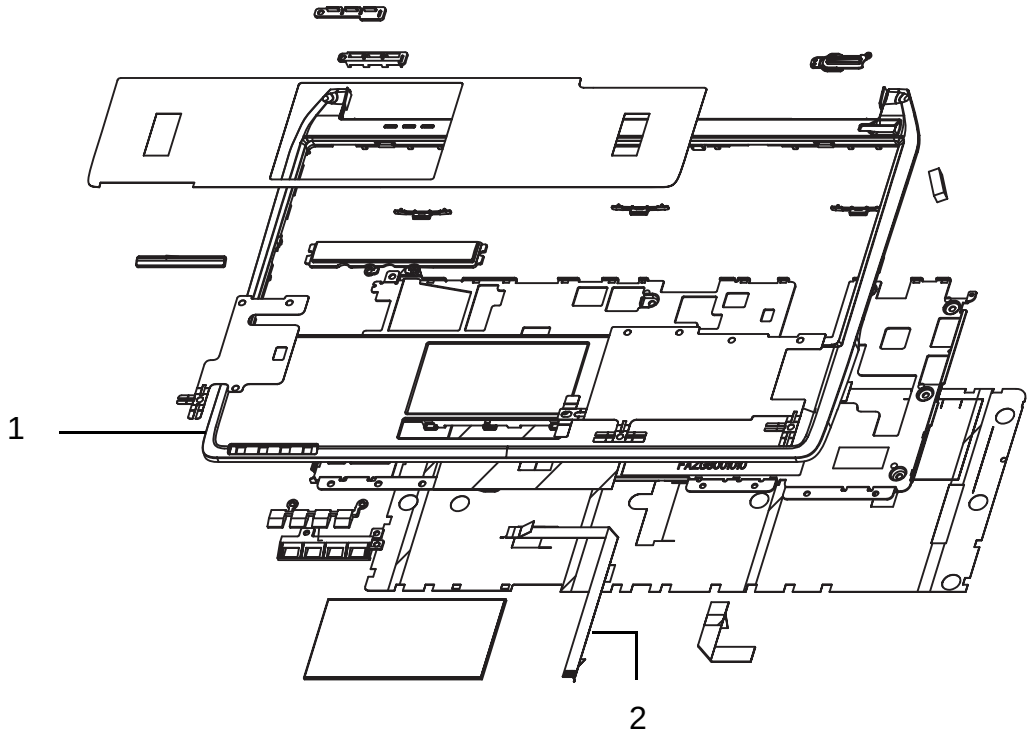
This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of Aspire one. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

Please note that WHEN ORDERING FRU PARTS, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number change is made, it will not be noted on the printed Service Guide. For ACER AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

NOTE: To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.

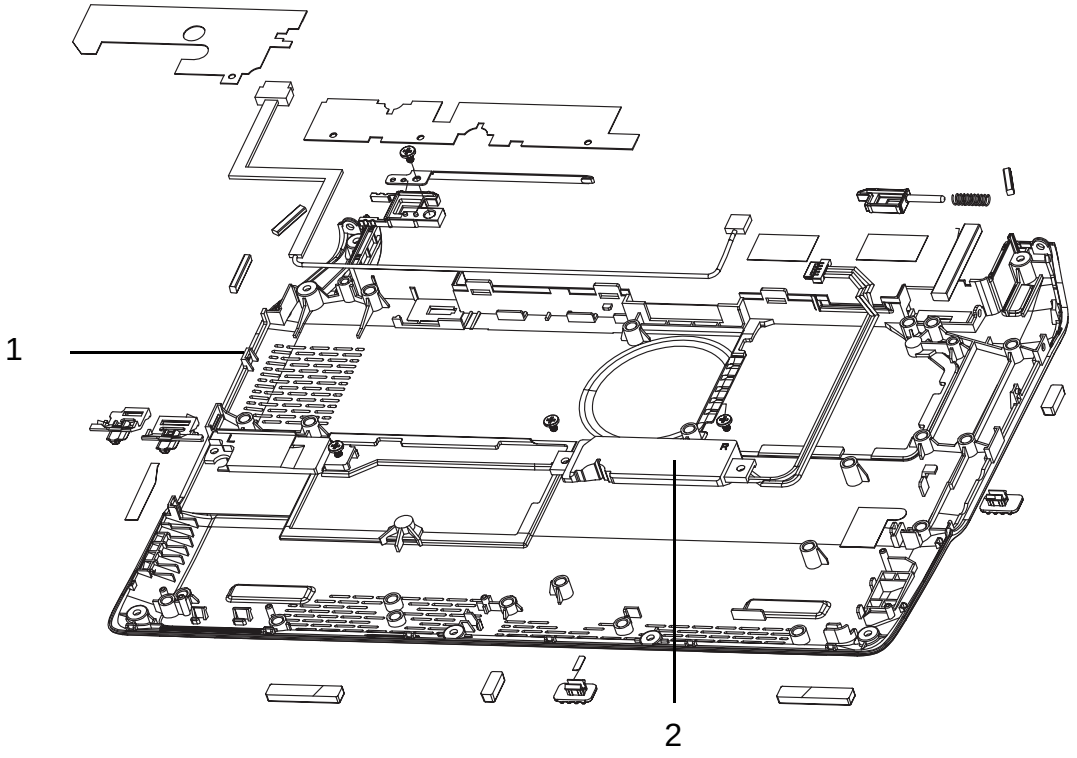
Aspire one Exploded Diagrams

Main Assembly



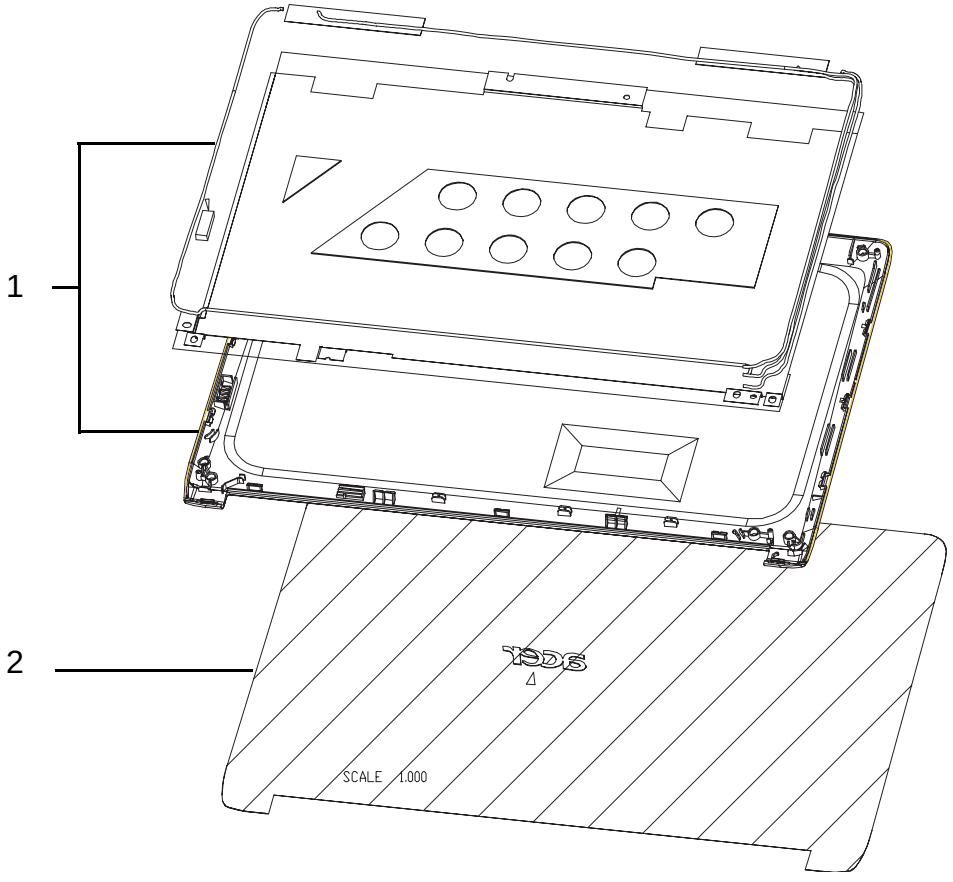
Item	Description	Part Number
1	UPPER CASE ASSY BLACK W/TP FFC FOR BT WF	60.S7507.001
	UPPER CASE ASSY BLACK W/TP FFC FOR BT WF 3G	60.S6507.001
	UPPER CASE ASSY BLACK W/TP FFC FOR WF	60.S7507.002
	UPPER CASE ASSY BLACK W/TP FFC FOR WF 3G	60.S6507.002
2	TouchPad FFC	

Base Assembly



Item	Description	Part Number
1	LOWER CASE ASSY BLACK W/SPEAKER BT CABLE FOR SSD/HDD1.8 BT WF	60.S6407.001
	LOWER CASE ASSY BLACK W/SPEAKER BT CABLE FOR SSD/HDD1.8 BT WF 3G	60.S6407.002
	LOWER CASE ASSY BLACK W/SPEAKER FOR SSD/HDD1.8 WF	60.S6407.003
	LOWER CASE ASSY BLACK W/SPEAKER FOR SSD/HDD1.8 WF 3G	60.S6407.004
	LOWER CASE ASSY BLACK W/SPEAKER BT CABLE FOR HDD2.5 BT WF	60.S7507.003
	LOWER CASE ASSY BLACK W/SPEAKER BT CABLE FOR HDD2.5 BT WF 3G	60.S6507.003
	LOWER CASE ASSY BLACK W/SPEAKER FOR HDD2.5 WF	60.S7507.004
	LOWER CASE ASSY BLACK W/SPEAKER FOR HDD2.5 WF 3G	60.S6507.004
2	Speaker Module	

LCD Assembly



Item	Description	Part Number
1	LCD COVER ASSY BLACK W/WL ANTENNA	60.S7507.005
	LCD COVER ASSY BLACK W/3G WLAN ANTENNA	60.S6507.005
2	Name Plate	

Aspire one FRU List

CATEGORY	PARTNAME	ACERPARTNO.
ADAPTER		
	ADAPTER LITE-ON 30W 1.7X5.5X11 BLACK PA-1300-04AC LF	AP.03003.001
	ADAPTER DELTA 30W 19V 1.7X5.5X11 BLACK ADP-30JH BA LF	AP.03001.001
	ADAPTER HIPRO 30W 19V 1.7X5.5X11 BLACK HP-A0301R3 B1LF LF	AP.0300A.001
BATTERY		
	Battery SIMPLO UM-2009A Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON black, Panasonic 2.2CG	BT.00307.013
	Battery SIMPLO UM-2009A Li-Ion 3S1P SAMSUNG 3 cell 2200mAh Main COMMON black, SDI 2.2F	BT.00307.014
	Battery SIMPLO UM-2009A Li-Ion 3S1P LGC 3 cell 2200mAh Main COMMON black, LGC 2.2 S3	BT.00307.015
BOARD		
	Option 3G GTM382EL	LC.21300.007
	3G UNDP-1	LC.21300.005
	QMI IEEE 802.11b/g WLAN half-size no.EM108	
	Lan Intel WLAN 512ANXMMWG Echo Peak 5150 MM#895364	KI.EPM01.003
	BLUETOOTH MODULE (T60H928.11)	BT.21100.005
	LED BOARD NON BT	55.S6507.004
	LED BOARD	55.S6507.001
	POWER BOARD	55.S6507.002
	TOUCHPAD BOARD	55.S6507.003
	Suyin Camera Rosa 2G, MODULE CN0316-S30C-OV06-1	57.S6507.001
CABLE		
	POWER CORD UK 3PIN	27.A03V7.004
	PWR CORD V943B30001218008 DANISH 3P	27.A03V7.006
	POWER CORD AF-S (INDIA)	27.A50V7.001
	POWER CORD AU W/LABEL (3 PIN)	27.A50V7.003
	POWER CORD US-110V (BSMI)	27.A99V7.002
	POWER CORD SWISS 3 PIN	27.A99V7.004
	POWER CORD ITALIAN 3PIN	27.A99V7.005
	POWER CORD ARGENTINE 3 PIN BLACK	27.S0207.001
	POWER CORD(S.A) 1.8M 3BLACK FZ010008-006	27.T48V7.001
	POWER CORD(EU) 1.8M 3PBLACK FM010008-010	27.TATV7.001
	POWER CORD PRC 3P Y536B30001218008	27.TATV7.004
	PWR CORD(ISR)1.8M 3PBLK FZ0I0008-038	27.TATV7.005

CATEGORY	PARTNAME	ACERPARTNO.
	POWER CORD US 3PIN ROHS	27.TAXV7.001
	POWER CORD JAPANESE	27.TAXV7.003
	POWER CORD BRAZIL IMETRO 3 PIN	27.S0607.001
	LCD CABLE FOR CCD	50.S6507.001
	FFC CABLE - LED/B TO MB	50.S6507.002
	FFC CABLE - POWER/B TO MB	50.S6507.003
	BLUETOOTH CABLE	50.S6507.004
CASE/COVER/BRACKET ASSEMBLY		
	UPPER CASE ASSY BLACK W/TP FFC FOR BT WF	60.S7507.001
	UPPER CASE ASSY BLACK W/TP FFC FOR BT WF 3G	60.S6507.001
	UPPER CASE ASSY BLACK W/TP FFC FOR WF	60.S7507.002
	UPPER CASE ASSY BLACK W/TP FFC FOR WF 3G	60.S6507.002
	LOWER CASE ASSY BLACK W/SPEAKER BT CABLE FOR SSD/HDD1.8 BT WF	60.S6407.001
	LOWER CASE ASSY BLACK W/SPEAKER BT CABLE FOR SSD/HDD1.8 BT WF 3G	60.S6407.002
	LOWER CASE ASSY BLACK W/SPEAKER FOR SSD/HDD1.8 WF	60.S6407.003
	LOWER CASE ASSY BLACK W/SPEAKER FOR SSD/HDD1.8 WF 3G	60.S6407.004
	LOWER CASE ASSY BLACK W/SPEAKER BT CABLE FOR HDD2.5 BT WF	60.S7507.003
	LOWER CASE ASSY BLACK W/SPEAKER BT CABLE FOR HDD2.5 BT WF 3G	60.S6507.003
	LOWER CASE ASSY BLACK W/SPEAKER FOR HDD2.5 WF	60.S7507.004
	LOWER CASE ASSY BLACK W/SPEAKER FOR HDD2.5 WF 3G	60.S6507.004
	3G COVER BLACK FOR SSD/HDD1.8	42.S6407.001
	3G COVER BLACK FOR HDD2.5	42.S6507.001
	RAM COVER BLACK	42.S6507.002
	SD DUMMY CARD	42.S6507.003
	SIDE COVER BLACK - R	42.S6507.004
	SIDE COVER BLACK - L	42.S6507.005

CATEGORY	PARTNAME	ACERPARTNO.
	LCD COVER ASSY BLACK W/WL ANTENNA	60.S7507.005
	LCD COVER ASSY BLACK W/3G WLAN ANTENNA	60.S6507.005
	LCD BEZEL ASSY BLACK	60.S6507.006
	LCD HINGE W/ BRACKET - R	33.S6507.001
	LCD HINGE W/ BRACKET - L	33.S6507.002
	HINGE COVER BLACK - L	42.S6507.006
	HINGE COVER BLACK - R	42.S6507.007
HDD/HARD DISK DRIVE/SATA HDD/HARD DISK DRIVE		
	Flash Disk SAMSUNG Flash Module NAND 16GB MMBRE16GSMPP-MVA LF (SATA)	KF.16G0B.002
	HDD SEAGATE 2.5" 5400rpm 160GB ST9160310AS Crockett SATA LF F/W:0303	KH.16001.034
	HDD TOSHIBA 2.5" 5400rpm 160GB MK1652GSX Virgo BS SATA LF F/W:LV020J	KH.16004.004
	HDD HGST 2.5" 5400rpm 160GB HTS543216L9A300 Falcon-B SATA LF F/W:C40C	KH.16007.019
	HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11	KH.16008.022
	HDD TOSHIBA 2.5" 5400rpm 160GB MK1655GSX Libra SATA LF F/W: FG011J	KH.16004.006
	HDD SEAGATE 2.5" 5400rpm 250GB ST9250827AS Corsair SATA LF F/W:3.AAA	KH.25001.011
	HDD SEAGATE 2.5" 5400rpm 250GB ST9250315AS Wyatt SATA LF F/W:0001SDM1	KH.25001.016
	HDD HGST 2.5" 5400rpm 250GB HTS543225L9A300 Falcon-B SATA LF F/W:C40C	KH.25007.013
	HDD WD 2.5" 5400rpm 250GB WD2500BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11	KH.25008.021
	HDD 2.5 BRACKET	33.S6507.003

CATEGORY	PARTNAME	ACERPARTNO.
	HDD/SSD 1.8 BRACKET	33.S6407.001
KEYBOARD		
	KEYBOARD 8KB-FV1 BLACK MACLES 84KS BLACK US INTERNATIONAL	KB.INT00.513
	KEYBOARD 8KB-FV1 BLACK MACLES 84KS BLACK US INTERNATIONAL HEBREW	KB.INT00.514
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK UK	KB.INT00.515
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK TURKISH	KB.INT00.516
	KEYBOARD 8KB-FV1 BLACK MACLES 84KS BLACK THAILAND	KB.INT00.517
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK SWISS/G	KB.INT00.518
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK SWEDISH	KB.INT00.519
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK SPANISH	KB.INT00.520
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK SLOVAK	KB.INT00.521
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK SLO/CRO	KB.INT00.522
	KEYBOARD 8KB-FV1 BLACK MACLES 84KS BLACK RUSSIAN	KB.INT00.523
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK PORTUGUESE	KB.INT00.524
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK POLISH	KB.INT00.525
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK NORWEGIAN	KB.INT00.526
	KEYBOARD 8KB-FV1 BLACK MACLES 84KS BLACK KOREAN	KB.INT00.528
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK ITALIAN	KB.INT00.529
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK HUNGARIAN	KB.INT00.532
	KEYBOARD 8KB-FV1 BLACK MACLES 84KS BLACK GREEK	KB.INT00.533
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK GERMAN	KB.INT00.534
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK FRENCH	KB.INT00.535
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK DUTCH	KB.INT00.537
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK DANISH	KB.INT00.538
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK CZECH	KB.INT00.539
	KEYBOARD 8KB-FV1 BLACK MACLES 84KS BLACK TRADITIONAL CHINESE	KB.INT00.540
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK CANADIAN FRENCH	KB.INT00.541
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK BRAZILIAN PORTUGUESE	KB.INT00.542
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK BELGIUM	KB.INT00.543
	KEYBOARD 8KB-FV1 BLACK MACLES 84KS BLACK ARABIC/ ENGLISH	KB.INT00.544
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK NORDIC	KB.INT00.545
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK ENGLISH/CANADIAN FRENCH	KB.INT00.546
	KEYBOARD 8KB-FV1 BLACK MACLES 88KS BLACK JAPANESE	KB.INT00.548
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK CZECH/ SLOVAK	KB.I0800.002

CATEGORY	PARTNAME	ACERPARTNO.
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK ARABIC/ FRENCH	KB.I0800.004
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK LUXEMBOURGISH	KB.INT00.527
	KEYBOARD 8KB-FV1 BLACK MACLES 84KS BLACK ISRAEL	KB.INT00.530
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK IRISH	KB.INT00.531
	KEYBOARD 8KB-FV1 BLACK MACLES 85KS BLACK FINNISH	KB.INT00.536
	KEYBOARD 8KB-FV2 WHITE MACLES 84KS WHITE US INTERNATIONAL	KB.INT00.668
	KEYBOARD 8KB-FV2 WHITE MACLES 84KS WHITE US INTERNATIONAL HEBREW	KB.INT00.669
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE UK	KB.INT00.670
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE TURKISH	KB.INT00.671
	KEYBOARD 8KB-FV2 WHITE MACLES 84KS WHITE THAILAND	KB.INT00.672
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE SWISS/G	KB.INT00.673
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE SWEDISH	KB.INT00.674
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE SPANISH	KB.INT00.675
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE SLOVAK	KB.INT00.676
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE SLO/CRO	KB.INT00.677
	KEYBOARD 8KB-FV2 WHITE MACLES 84KS WHITE RUSSIAN	KB.INT00.678
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE PORTUGUESE	KB.INT00.679
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE POLISH	KB.INT00.680
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE NORWEGIAN	KB.INT00.681
	KEYBOARD 8KB-FV2 WHITE MACLES 84KS WHITE KOREAN	KB.INT00.683
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE ITALIAN	KB.INT00.685
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE HUNGARIAN	KB.INT00.688
	KEYBOARD 8KB-FV2 WHITE MACLES 84KS WHITE GREEK	KB.INT00.689
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE GERMAN	KB.INT00.690
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE FRENCH	KB.INT00.691
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE DUTCH	KB.INT00.693
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE DANISH	KB.INT00.694
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE CZECH	KB.INT00.695
	KEYBOARD 8KB-FV2 WHITE MACLES 84KS WHITE TRADITIONAL CHINESE	KB.INT00.696
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE CANADIAN FRENCH	KB.INT00.697
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE BRAZILIAN PORTUGUESE	KB.INT00.698
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE BELGIUM	KB.INT00.699
	KEYBOARD 8KB-FV2 WHITE MACLES 84KS WHITE ARABIC/ ENGLISH	KB.INT00.700
	KEYBOARD 8KB-FV1 WHITE MACLES INTERNAL 85KS WHITE ARABIC/FRENCH	KB.INT00.701
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE NORDIC	KB.INT00.702
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE ENGLISH/CANADIAN FRENCH	KB.INT00.703

CATEGORY	PARTNAME	ACERPARTNO.
	KEYBOARD 8KB-FV2 WHITE MACLES 88KS WHITE JAPANESE	KB.INT00.704
	KEYBOARD 8KB-FV1 WHITE MACLES 85KS WHITE CZECH/ SLOVAK	KB.INT00.705
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE LUXEMBOURGISH	KB.INT00.682
	KEYBOARD 8KB-FV2 WHITE MACLES 84KS WHITE JAPANESE	KB.INT00.684
	KEYBOARD 8KB-FV2 WHITE MACLES 84KS WHITE ISRAEL	KB.INT00.686
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE IRISH	KB.INT00.687
	KEYBOARD 8KB-FV2 WHITE MACLES 85KS WHITE FINNISH	KB.INT00.692
	KEYBOARD 8KB-FV1L BLACK MACLES 84KS BLACK US INTERNATIONAL (LINUX)	KB.INT00.590
LCD		
	LED LCD AUO 10.1" WSVGA Glare B101AW03 V0 LF 200nit 8ms 500:1	LK.10105.001
	LED LCD CMO 10.1" WSVGA Glare N101L6-L02 LF 200nit 8ms 400:1	LK.1010D.001
	LED LCD SAMSUNG 10.1" WSVGA Glare LTN101NT02-A01 LF 200nit 16ms 400:1	LK.10106.001
MAINBOARD		
	MAINBOARD N270 945GSE ICH7M HDD FOR 3G W/CARD SD READER W/O RAM	MB.S6506.001
	MAINBOARD N280 945GSE ICH7M HDD FOR 3G W/CARD SD READER W/O RAM	MB.S6506.002
	MAINBOARD N270 945GSE ICH7M HDD NON 3G W/CARD SD READER W/O RAM	MB.S7506.001
	MAINBOARD N280 945GSE ICH7M HDD NON 3G W/CARD SD READER W/O RAM	MB.S7506.002
MEMORY		
	Memory NANYA SO-DIMM DDRII 667 1GB NT1GT64UH8D0FN-3C LF 64*16 0.07um	KN.1GB03.026
	Memory SAMSUNG SO-DIMM DDRII 667 1GB M470T2864EH3-CE6 LF 64*16 0.055um	KN.1GB0B.027
	Memory HYNIX SO-DIMM DDRII 667 1GB HMP112S6EFR6C-Y5 LF 64*16 0.055um	KN.1GB0G.022
	Memory NANYA SO-DIMM DDRII 667 2GB NT2GT64U8HD0BN-3C LF	KN.2GB03.011
	Memory SAMSUNG SO-DIMM DDRII 667 2GB M470T5663EH3-CE6 LF 128*8 0.055um	KN.2GB0B.011
	Memory HYNIX SO-DIMM DDRII 667 2GB HMP125S6EFR8C-Y5 LF 128*8 0.055um	KN.2GB0G.012
	Memory SAMSUNG SO-DIMM DDRII 667 512MB M470T6464QZ3-CE6 LF	KN.5120B.026
	SODIMM 512MB DDRII667 HYNIX HYMP164S64CP6-Y5 LF	KN.5120G.024
HEATSINK		
	HEATSINK ASSY	60.S6507.007

CATEGORY	PARTNAME	ACERPARTNO.
	FAN MODULE	23.S6507.001
MISCELLANEOUS		
	LCD BEZEL RUBBER	47.S0207.001
	RUBBER FOOT - BACK	47.S6507.001
	RUBBER FOOT - FRONT L	47.S6507.002
	RUBBER FOOT - FRONT R	47.S6507.003
	ACER ASPIRE ONE MOUSE MS_A1 BLACK	MS.20700.008

Screw List

Category	Description	Part Number
Screw		
	SCREW M2.0*5.0-I (NI)	86.S0207.002
	SCREW M2.0*3.0-I IRON	86.S0207.001
	SCREW M2.0*2.5-I (BUWZN)	86.TPK07.001
	SCREW M2-0.4*2-I (BNI) (NYLOK)(7,0.6) IRON	86.W4107.002
	SCREW M2.0*6.0-I	86.S6507.001
	SCREW M1.6*2.5-I (NI) (NYLOK)IRON	86.S6507.002
	SCREW M2.0*4-I (BZN) (NYLOK)IRON	86.S6507.003
	SCREW M2.0*5.0-I (BUWZN) (NYLON PATCH) IRON	86.S6507.004

Model Definition and Configuration

Aspire one Series

Model	RO	Country	Acer Part No	Description	CPU	Bluetooth
AO531f-0BG	WW	WW	S2.S640B.001	AO531f-0BG AOXPHSTWW1 MC UMAGCkk 1*1G/16G/BT/3L/ CB_bg_0.3D_3G_EN11	ATMN270B	BT 2.0
AO531h-1B	AAP	Philippines	LU.S750B.020	AO531h-1B AOXPHSTPH1 MC UMACkk 1*1G/160/BT/ 6L2.6/ CB_bg_0.3D_BAG_AN_EN 12	ATMN280B	BT 2.0
AO531h-0B	AAP	Vietnam	LU.S750B.018	AO531h-0B AOXPHSTVN1 MC UMACkk 1*1G/160/BT/ 6L2.6/ CB_bg_0.3D_BAG_AN_EN 12	ATMN270B	BT 2.0
AO531h-1B	AAP	Vietnam	LU.S750B.017	AO531h-1B AOXPHSTVN1 MC UMACkk 1*1G/160/BT/ 6L2.6/ CB_bg_0.3D_BAG_AN_EN 12	ATMN280B	BT 2.0
AO531h-1B	AAP	Malaysia	LU.S750B.019	AO531h-1B AOXPHSTMY1 MC UMACkk 1*1G/160/BT/ 6L2.6/ CB_bg_0.3D_BAG_AN_EN 12	ATMN280B	BT 2.0
AO531h-1B	AAP	Australia/ New Zealand	LU.S750B.010	AO531h-1B AOXPHSTAU1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 11	ATMN280B	BT 2.0
AO531h-1B	AAP	Singapore	LU.S750B.011	AO531h-1B AOXPHSTSG1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 11	ATMN280B	BT 2.0
AO531h-1B	AAP	Indonesia	LU.S750B.016	AO531h-1B AOXPHSTID1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_ID2 3	ATMN280B	BT 2.0
AO531h-1B	AAP	India	LU.S750B.015	AO531h-1B AOXPHSTIN1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 11	ATMN280B	BT 2.0
AO531h-1B	AAP	Philippines	LU.S750B.014	AO531h-1B AOXPHSTPH1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 12	ATMN280B	BT 2.0

Model	RO	Country	Acer Part No	Description	CPU	Bluetooth
AO531h-1B	AAP	Vietnam	LU.S750B.009	AO531h-1B AOXPHSTVN1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 12	ATMN280B	BT 2.0
AO531h-0B	AAP	Singapore	LU.S750B.007	AO531h-0B AOXPHSTSG1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 11	ATMN270B	BT 2.0
AO531h-0B	AAP	Indonesia	LU.S750B.008	AO531h-0B AOXPHSTID1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_ID2 3	ATMN270B	BT 2.0
AO531h-1B	AAP	Malaysia	LU.S750B.013	AO531h-1B AOXPHSTMY1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 12	ATMN280B	BT 2.0
AO531h-1B	AAP	Thailand	LU.S750B.012	AO531h-1B AOXPHSTTH1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_TH 22	ATMN280B	BT 2.0
AO531h-0B	AAP	Australia/ New Zealand	LU.S750B.006	AO531h-0B AOXPHSTAU1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 11	ATMN270B	BT 2.0
AO531h-0B	AAP	Philippines	LU.S750B.004	AO531h-0B AOXPHSTPH1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 12	ATMN270B	BT 2.0
AO531h-0B	AAP	India	LU.S750B.005	AO531h-0B AOXPHSTIN1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 11	ATMN270B	BT 2.0
AO531h-0B	AAP	Malaysia	LU.S750B.003	AO531h-0B AOXPHSTMY1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 12	ATMN270B	BT 2.0
AO531h-0B	AAP	Thailand	LU.S750B.002	AO531h-0B AOXPHSTTH1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_TH 22	ATMN270B	BT 2.0
AO531h-0B	AAP	Vietnam	LU.S750B.001	AO531h-0B AOXPHSTVN1 MC UMACkk 1*1G/160/BT/ 3L/ CB_bg_0.3D_BAG_AN_EN 12	ATMN270B	BT 2.0

Model	RO	Country	Acer Part No	Description	CPU	Bluetooth
AO531h-1BG	WW	GCTWN	S2.S650B.003	AO531h-1BG AOXPHSTWW1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_ENX1_U NDP-1	ATMN280B	BT 2.0
AO531h-1BG	WW	WW	S2.S650B.004	AO531h-1BG AOXPHSTWW1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_EN11_UN DP-1	ATMN280B	BT 2.0
AO531h-1BG	WW	WW	S2.S650B.009	AO531h-1BG AOXPHSTWW1 MC UMAGCkk 1*1G/160/BT/ 6L2.6/ CB_bg_0.3D_3G_AN_EN11 _UNDP-1	ATMN280B	BT 2.0
AO531h-1BG	WW	WW	S2.S650B.006	AO531h-1BG AOXPHSTWW1 MC UMAGCkk 1*1G/160/BT/ 6L2.6/ CB_bg_0.3D_3G_EN11	ATMN280B	BT 2.0
AO531h-1BG	WW	WW	S2.S650B.002	AO531h-1BG AOXPHSTWW1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_EN11	ATMN280B	BT 2.0
AO531h-0BG	AAP	Australia/ New Zealand	LU.S650B.052	AO531h-0BG AOXPHSTAU1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_AN _EN11	ATMN270B	BT 2.0
AO531h-1BG	AAP	Philippines	LU.S650B.051	AO531h-1BG AOXPHSTPH1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_AN _EN12	ATMN280B	BT 2.0
AO531h-1BG	AAP	Thailand	LU.S650B.050	AO531h-1BG AOXPHSTTH1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_AN _TH22	ATMN280B	BT 2.0
AO531h-1BG	WW	GCTWN	S2.S650B.010	AO531h-1BG AOXPHSTWW1 MC UMAGCkk 1*1G/160/BT/ 6L2.6/ CB_bg_0.3D_3G_AN_ENX 1_UNDP-1	ATMN280B	BT 2.0
AO531h-1BG	AAP	Singapore	LU.S650B.049	AO531h-1BG AOXPHSTSG1 MC UMAGCkk 2*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_EN 11	ATMN280B	BT 2.0
AO531h-0BG	AAP	Singapore	LU.S650B.048	AO531h-0BG AOXPHSTSG1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_EN 11	ATMN270B	BT 2.0

Model	RO	Country	Acer Part No	Description	CPU	Bluetooth
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.039	AO531h-0BG AOXPHSTEU7 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_EN11	ATMN270B	N
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.041	AO531h-0BG AOXPHSTEU7 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_ENR2	ATMN270B	N
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.024	AO531h-0BG AOXPHSTEU7 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_SL11	ATMN270B	N
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.040	AO531h-0BG AOXPHSTEU3 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_RU24	ATMN270B	N
AO531h-0BG	EMEA	Russia	LU.S650B.036	AO531h-0BG AOXPHSTRU1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_RU12	ATMN270B	N
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.042	AO531h-0BG AOXPHSTEU4 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_FI13	ATMN270B	N
AO531h-0BG	EMEA	Sweden	LU.S650B.038	AO531h-0BG AOXPHSTSE1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_FI13	ATMN270B	N
AO531h-0BG	EMEA	Denmark	LU.S650B.027	AO531h-0BG AOXPHSTDK1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_NO12	ATMN270B	N
AO531h-0BG	EMEA	Portugal	LU.S650B.023	AO531h-0BG AOXPHSTPT1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_PT12	ATMN270B	N
AO531h-0BG	EMEA	Luxembourg	LU.S650B.034	AO531h-0BG AOXPHSTLU3 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_IT41	ATMN270B	N
AO531h-1BG	AAP	Thailand	LU.S650B.044	AO531h-1BG AOXPHSTTH1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_TH 22	ATMN280B	BT 2.0
AO531h-0BG	EMEA	Denmark	LU.S650B.028	AO531h-0BG AOXPHSTDK2 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_ENS1	ATMN270B	N
AO531h-0BG	EMEA	France	LU.S650B.029	AO531h-0BG AOXPHSTFR1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_FR22	ATMN270B	N
AO531h-0BG	EMEA	Hungary	LU.S650B.022	AO531h-0BG AOXPHSTHU1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_HU14	ATMN270B	N

Model	RO	Country	Acer Part No	Description	CPU	Bluetooth
AO531h-0BG	EMEA	Austria	LU.S650B.037	AO531h-0BG AOXPHSTAT1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_DE11	ATMN270B	N
AO531h-0BG	EMEA	Germany	LU.S650B.031	AO531h-0BG AOXPHSTDE1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_DE51	ATMN270B	N
AO531h-0BG	EMEA	Germany	LU.S650B.030	AO531h-0BG AOXPHSTDE1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_DE12	ATMN270B	N
AO531h-1BG	AAP	Australia/ New Zealand	LU.S650B.043	AO531h-1BG AOXPHSTAU1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_EN 11	ATMN280B	BT 2.0
AO531h-1BG	AAP	Malaysia	LU.S650B.045	AO531h-1BG AOXPHSTMY1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_EN 12	ATMN280B	BT 2.0
AO531h-0BG	EMEA	Norway	LU.S650B.035	AO531h-0BG AOXPHSTNO1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_NO12	ATMN270B	N
AO531h-1BG	AAP	Indonesia	LU.S650B.046	AO531h-1BG AOXPHSTID1 MC UMAGCkk 1*1G/160/ BT/3L/ CB_bg_0.3D_3G_BAG_ID2 3	ATMN280B	BT 2.0
AO531h-1BG	AAP	Singapore	LU.S650B.047	AO531h-1BG AOXPHSTSG1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_EN 11	ATMN280B	BT 2.0
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.025	AO531h-0BG AOXPHSTEU5 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_RO12	ATMN270B	N
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.026	AO531h-0BG AOXPHSTEU5 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_PL14	ATMN270B	N
AO531h-0BG	EMEA	Holland	LU.S650B.033	AO531h-0BG AOXPHSTNL1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_NL12	ATMN270B	N
AO531h-0BG	EMEA	Belgium	LU.S650B.032	AO531h-0BG AOXPHSTBE1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_NL12	ATMN270B	N
AO531h-0BG	EMEA	Greece	LU.S650B.012	AO531h-0BG AOXPHSTGR1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_EL32	ATMN270B	N

Model	RO	Country	Acer Part No	Description	CPU	Bluetooth
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.039	AO531h-0BG AOXPHSTEU7 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_EN11	ATMN270B	N
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.041	AO531h-0BG AOXPHSTEU7 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_ENR2	ATMN270B	N
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.024	AO531h-0BG AOXPHSTEU7 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_SL11	ATMN270B	N
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.040	AO531h-0BG AOXPHSTEU3 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_RU24	ATMN270B	N
AO531h-0BG	EMEA	Russia	LU.S650B.036	AO531h-0BG AOXPHSTRU1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_RU12	ATMN270B	N
AO531h-0BG	EMEA	Eastern Europe	LU.S650B.042	AO531h-0BG AOXPHSTEU4 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_FI13	ATMN270B	N
AO531h-0BG	EMEA	Sweden	LU.S650B.038	AO531h-0BG AOXPHSTSE1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_FI13	ATMN270B	N
AO531h-0BG	EMEA	Denmark	LU.S650B.027	AO531h-0BG AOXPHSTDK1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_NO12	ATMN270B	N
AO531h-0BG	EMEA	Portugal	LU.S650B.023	AO531h-0BG AOXPHSTPT1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_PT12	ATMN270B	N
AO531h-0BG	EMEA	Luxembourg	LU.S650B.034	AO531h-0BG AOXPHSTLU3 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_IT41	ATMN270B	N
AO531h-1BG	AAP	Thailand	LU.S650B.044	AO531h-1BG AOXPHSTTH1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_TH 22	ATMN280B	BT 2.0
AO531h-0BG	EMEA	Denmark	LU.S650B.028	AO531h-0BG AOXPHSTDK2 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_ENS1	ATMN270B	N
AO531h-0BG	EMEA	France	LU.S650B.029	AO531h-0BG AOXPHSTFR1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_FR22	ATMN270B	N
AO531h-0BG	EMEA	Hungary	LU.S650B.022	AO531h-0BG AOXPHSTHU1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_HU14	ATMN270B	N

Model	RO	Country	Acer Part No	Description	CPU	Bluetooth
AO531h-0BG	EMEA	UK	LU.S650B.002	AO531h-0BG AOXPHSTGB1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_EN12	ATMN270B	N
AO531h-0BG	EMEA	Turkey	LU.S650B.006	AO531h-0BG AOXPHSTTR1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_TR33	ATMN270B	N
AO531h-0BG	EMEA	Finland	LU.S650B.021	AO531h-0BG AOXPHSTFI2 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_FI11	ATMN270B	N
AO531h-0BG	EMEA	Ukraine	LU.S650B.003	AO531h-0BG AOXPHSTUK1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_RU11	ATMN270B	N
AO531h-1BG	CHIN A	China	LU.S650B.001	AO531h-1BG AOXPHSTCN1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_SC 11	ATMN280B	BT 2.0
AO531h-1BG	WW	GCTWN	S2.S650B.005	AO531h-1BG AOXPHSTWW1 MC UMAGCkk 1*1G/160/BT/ 6L2.6/ CB_bg_0.3D_3G_ENX1	ATMN280B	BT 2.0
AO531h-1BG	WW	GCTWN	S2.S650B.001	AO531h-1BG AOXPHSTWW1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_ENX1	ATMN280B	BT 2.0

Model	LCD	Memory 1	Memory 2	HDD 1(GB)	HDD 2(GB)	Wireless LAN
AO531f-0BG	NLED10.1WSVGAG	SO1GBII6	N	F16GB	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG

Model	LCD	Memory 1	Memory 2	HDD 1(GB)	HDD 2(GB)	Wireless LAN
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	SO1GBII6	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0BG	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG

Model	RO	Country	Acer Part No	Description	CPU	
AO531h-0BG	EMEA	UK	LU.S650B.002	AO531h-0BG AOXPHSTGB1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_EN12	ATMN270B	N
AO531h-0BG	EMEA	Turkey	LU.S650B.006	AO531h-0BG AOXPHSTTR1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_TR33	ATMN270B	N
AO531h-0BG	EMEA	Finland	LU.S650B.021	AO531h-0BG AOXPHSTFI2 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_FI11	ATMN270B	N
AO531h-0BG	EMEA	Ukraine	LU.S650B.003	AO531h-0BG AOXPHSTUK1 MC UMAGCkk 1*1G/160/3L/ CB_bg_0.3D_3G_RU11	ATMN270B	N
AO531h-1BG	CHIN A	China	LU.S650B.001	AO531h-1BG AOXPHSTCN1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_BAG_SC 11	ATMN280B	BT 2.0
AO531h-1BG	WW	GCTWN	S2.S650B.005	AO531h-1BG AOXPHSTWW1 MC UMAGCkk 1*1G/160/BT/ 6L2.6/ CB_bg_0.3D_3G_ENX1	ATMN280B	BT 2.0
AO531h-1BG	WW	GCTWN	S2.S650B.001	AO531h-1BG AOXPHSTWW1 MC UMAGCkk 1*1G/160/BT/3L/ CB_bg_0.3D_3G_ENX1	ATMN280B	BT 2.0

Model	LCD	Memory 1	Memory 2	HDD 1(GB)	HDD 2(GB)	Wireless LAN
AO531f-0BG	NLED10.1WSVGAG	SO1GBII6	N	F16GB	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-1B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG
AO531h-0B	NLED10.1WSVGAG	SO1GBII6	N	N160GB5.4KS	N	3rd WiFi BG

Test Compatible Components

This computer's compatibility is tested and verified by Acer's internal testing department. All of its system functions are tested under Windows® XP Home, Windows® XP Pro environment.

Refer to the following lists for components, adapter cards, and peripherals which have passed these tests. Regarding configuration, combination and test procedures, please refer to the Aspire one series Compatibility Test Report released by the Acer Mobile System Testing Department.

Windows XP Environment Test

BOM_Name	Vendor	Type	Description
3G			
AO531f_UMA GCkk		UNDP-1	3G UNDP-1
AO531f_UMA GCkk	Option	GTM382E	Option 3G GTM382EL
AO531h_UMA GCkk		UNDP-1	3G UNDP-1
AO531h_UMA GCkk	Option	GTM382E	Option 3G GTM382EL
Adapter			
AO531f_UMA GCkk	DELTA	30W	Adapter DELTA 30W 19V 1.7x5.5x11 Black ADP-30JH BA LF
AO531f_UMA GCkk	LITE-ON	30W	Adapter LITE-ON 30W 19V 1.7x5.5x11 Black PA-1300-04AC LF
AO531f_UMA GCkk	HIPRO	30W	Adapter HIPRO 30W 19V 1.7x5.5x11 Black HP-A0301R3 B1LF LF
AO531h_UMA Ckk	DELTA	30W	Adapter DELTA 30W 19V 1.7x5.5x11 Black ADP-30JH BA LF
AO531h_UMA Ckk	LITE-ON	30W	Adapter LITE-ON 30W 19V 1.7x5.5x11 Black PA-1300-04AC LF
AO531h_UMA Ckk	HIPRO	30W	Adapter HIPRO 30W 19V 1.7x5.5x11 Black HP-A0301R3 B1LF LF
AO531h_UMA GCkk	DELTA	30W	Adapter DELTA 30W 19V 1.7x5.5x11 Black ADP-30JH BA LF
AO531h_UMA GCkk	LITE-ON	30W	Adapter LITE-ON 30W 19V 1.7x5.5x11 Black PA-1300-04AC LF
AO531h_UMA GCkk	HIPRO	30W	Adapter HIPRO 30W 19V 1.7x5.5x11 Black HP-A0301R3 B1LF LF
Audio Codec			
AO531f_UMA GCkk	Realtek	ALC272X	Realtek Audio Codec ALC272X
AO531h_UMA Ckk	Realtek	ALC272X	Realtek Audio Codec ALC272X
AO531h_UMA GCkk	Realtek	ALC272X	Realtek Audio Codec ALC272X
Battery			
AO531f_UMA GCkk	SANYO	3CELL2.2	Battery SANYO UM-2009A Li-Ion 3S1P SANYO 3 cell 2200mAh Main COMMON black
AO531f_UMA GCkk	SANYO	3CELL2.2	Battery SANYO UM-2009AW Li-Ion 3S1P SANYO 3 cell 2200mAh Main COMMON white
AO531f_UMA GCkk	SONY	3CELL2.2	Battery SONY UM-2009A Li-Ion 3S1P SONY 3 cell 2200mAh Main COMMON black
AO531f_UMA GCkk	SONY	3CELL2.2	Battery SONY UM-2009AW Li-Ion 3S1P SONY 3 cell 2200mAh Main COMMON white
AO531f_UMA GCkk	PANASONIC	3CELL2.2	Battery PANASONIC UM-2009A Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON 2.2CG

BOM_Name	Vendor	Type	Description
AO531f_UMA GCkk	PANASONIC	3CELL2.2	Battery PANASONIC UM-2009AW Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON white
AO531f_UMA GCkk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009A Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON black, Panasonic 2.2CG
AO531f_UMA GCkk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009A Li-Ion 3S1P SAMSUNG 3 cell 2200mAh Main COMMON black, SDI 2.2F
AO531f_UMA GCkk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009A Li-Ion 3S1P LGC 3 cell 2200mAh Main COMMON black, LGC 2.2 S3
AO531f_UMA GCkk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009AW Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON white, Panasonic 2.2CG
AO531f_UMA GCkk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009AW Li-Ion 3S1P SAMSUNG 3 cell 2200mAh Main COMMON white, SDI 2.2F
AO531f_UMA GCkk	SANYO	6CELL2.6	Battery SANYO UM-2009B Li-Ion 3S2P SANYO 6 cell 5200mAh Main COMMON black
AO531f_UMA GCkk	SANYO	6CELL2.6	Battery SANYO UM-2009BW Li-Ion 3S2P SANYO 6 cell 5200mAh Main COMMON white, ID: UM09B34
AO531f_UMA GCkk	SONY	6CELL2.6	Battery SONY UM-2009B Li-Ion 3S2P SONY 6 cell 5200mAh Main COMMON black
AO531f_UMA GCkk	SONY	6CELL2.6	Battery SONY UM-2009BW Li-Ion 3S2P SONY 6 cell 5200mAh Main COMMON white
AO531f_UMA GCkk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009B Li-Ion 3S2P SAMSUNG 6 cell 5200mAh Main COMMON Black, SDI 2.6 C
AO531f_UMA GCkk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009B Li-Ion 3S2P LGC 6 cell 5200mAh Main COMMON Black, LGC 2.6 B3
AO531f_UMA GCkk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009BW Li-Ion 3S2P SAMSUNG 6 cell 5200mAh Main COMMON white, SDI 2.6 C
AO531f_UMA GCkk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009BW Li-Ion 3S2P LGC 6 cell 5200mAh Main COMMON white, LGC 2.6 B3
AO531h_UMA Ckk	SANYO	3CELL2.2	Battery SANYO UM-2009A Li-Ion 3S1P SANYO 3 cell 2200mAh Main COMMON black
AO531h_UMA Ckk	SANYO	3CELL2.2	Battery SANYO UM-2009AW Li-Ion 3S1P SANYO 3 cell 2200mAh Main COMMON white
AO531h_UMA Ckk	SONY	3CELL2.2	Battery SONY UM-2009A Li-Ion 3S1P SONY 3 cell 2200mAh Main COMMON black
AO531h_UMA Ckk	SONY	3CELL2.2	Battery SONY UM-2009AW Li-Ion 3S1P SONY 3 cell 2200mAh Main COMMON white
AO531h_UMA Ckk	PANASONIC	3CELL2.2	Battery PANASONIC UM-2009A Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON 2.2CG

BOM_Name	Vendor	Type	Description
AO531h_UMA Ckk	PANASONIC	3CELL2.2	Battery PANASONIC UM-2009AW Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON white
AO531h_UMA Ckk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009A Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON black, Panasonic 2.2CG
AO531h_UMA Ckk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009A Li-Ion 3S1P SAMSUNG 3 cell 2200mAh Main COMMON black, SDI 2.2F
AO531h_UMA Ckk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009A Li-Ion 3S1P LGC 3 cell 2200mAh Main COMMON black, LGC 2.2 S3
AO531h_UMA Ckk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009AW Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON white, Panasonic 2.2CG
AO531h_UMA Ckk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009AW Li-Ion 3S1P SAMSUNG 3 cell 2200mAh Main COMMON white, SDI 2.2F
AO531h_UMA Ckk	SANYO	6CELL2.6	Battery SANYO UM-2009B Li-Ion 3S2P SANYO 6 cell 5200mAh Main COMMON black
AO531h_UMA Ckk	SANYO	6CELL2.6	Battery SANYO UM-2009BW Li-Ion 3S2P SANYO 6 cell 5200mAh Main COMMON white, ID: UM09B34
AO531h_UMA Ckk	SONY	6CELL2.6	Battery SONY UM-2009B Li-Ion 3S2P SONY 6 cell 5200mAh Main COMMON black
AO531h_UMA Ckk	SONY	6CELL2.6	Battery SONY UM-2009BW Li-Ion 3S2P SONY 6 cell 5200mAh Main COMMON white
AO531h_UMA Ckk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009B Li-Ion 3S2P SAMSUNG 6 cell 5200mAh Main COMMON Black, SDI 2.6 C
AO531h_UMA Ckk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009B Li-Ion 3S2P LGC 6 cell 5200mAh Main COMMON Black, LGC 2.6 B3
AO531h_UMA Ckk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009BW Li-Ion 3S2P SAMSUNG 6 cell 5200mAh Main COMMON white, SDI 2.6 C
AO531h_UMA Ckk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009BW Li-Ion 3S2P LGC 6 cell 5200mAh Main COMMON white, LGC 2.6 B3
AO531h_UMA GCkk	SANYO	3CELL2.2	Battery SANYO UM-2009A Li-Ion 3S1P SANYO 3 cell 2200mAh Main COMMON black
AO531h_UMA GCkk	SANYO	3CELL2.2	Battery SANYO UM-2009AW Li-Ion 3S1P SANYO 3 cell 2200mAh Main COMMON white
AO531h_UMA GCkk	SONY	3CELL2.2	Battery SONY UM-2009A Li-Ion 3S1P SONY 3 cell 2200mAh Main COMMON black
AO531h_UMA GCkk	SONY	3CELL2.2	Battery SONY UM-2009AW Li-Ion 3S1P SONY 3 cell 2200mAh Main COMMON white
AO531h_UMA GCkk	PANASONIC	3CELL2.2	Battery PANASONIC UM-2009A Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON 2.2CG

BOM_Name	Vendor	Type	Description
AO531h_UMA GCkk	PANASONIC	3CELL2.2	Battery PANASONIC UM-2009AW Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON white
AO531h_UMA GCkk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009A Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON black, Panasonic 2.2CG
AO531h_UMA GCkk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009A Li-Ion 3S1P SAMSUNG 3 cell 2200mAh Main COMMON black, SDI 2.2F
AO531h_UMA GCkk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009A Li-Ion 3S1P LGC 3 cell 2200mAh Main COMMON black, LGC 2.2 S3
AO531h_UMA GCkk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009AW Li-Ion 3S1P PANASONIC 3 cell 2200mAh Main COMMON white, Panasonic 2.2CG
AO531h_UMA GCkk	SIMPLO	3CELL2.2	Battery SIMPLO UM-2009AW Li-Ion 3S1P SAMSUNG 3 cell 2200mAh Main COMMON white, SDI 2.2F
AO531h_UMA GCkk	SANYO	6CELL2.6	Battery SANYO UM-2009B Li-Ion 3S2P SANYO 6 cell 5200mAh Main COMMON black
AO531h_UMA GCkk	SANYO	6CELL2.6	Battery SANYO UM-2009BW Li-Ion 3S2P SANYO 6 cell 5200mAh Main COMMON white, ID: UM09B34
AO531h_UMA GCkk	SONY	6CELL2.6	Battery SONY UM-2009B Li-Ion 3S2P SONY 6 cell 5200mAh Main COMMON black
AO531h_UMA GCkk	SONY	6CELL2.6	Battery SONY UM-2009BW Li-Ion 3S2P SONY 6 cell 5200mAh Main COMMON white
AO531h_UMA GCkk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009B Li-Ion 3S2P SAMSUNG 6 cell 5200mAh Main COMMON Black, SDI 2.6 C
AO531h_UMA GCkk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009B Li-Ion 3S2P LGC 6 cell 5200mAh Main COMMON Black, LGC 2.6 B3
AO531h_UMA GCkk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009BW Li-Ion 3S2P SAMSUNG 6 cell 5200mAh Main COMMON white, SDI 2.6 C
AO531h_UMA GCkk	SIMPLO	6CELL2.6	Battery SIMPLO UM-2009BW Li-Ion 3S2P LGC 6 cell 5200mAh Main COMMON white, LGC 2.6 B3
Bluetooth			
AO531f_UMA GCkk	Foxconn	BT 2.0	Foxconn Bluetooth FOX_BRM_2.0 F/W 300
AO531h_UMA Ckk	Foxconn	BT 2.0	Foxconn Bluetooth FOX_BRM_2.0 F/W 300
AO531h_UMA GCkk	Foxconn	BT 2.0	Foxconn Bluetooth FOX_BRM_2.0 F/W 300
Camera			
AO531f_UMA GCkk	Suyin	0.3M LDV	Suyin Camera Rose_2G
AO531h_UMA Ckk	Suyin	0.3M LDV	Suyin Camera Rose_2G

BOM_Name	Vendor	Type	Description
AO531h_UMA GCkk	Suyin	0.3M LDV	Suyin Camera Rose_2G
CPU/Processor			
AO531f_UMA GCkk	INTEL	ATMN270B	CPU Intel Atom N270 1.6G 512K 533 2.5W
AO531f_UMA GCkk	INTEL	ATMN280B	CPU Intel Atom N280 BGA 1.66G 512K 667 2.5W C-0
AO531h_UMA Ckk	INTEL	ATMN270B	CPU Intel Atom N270 1.6G 512K 533 2.5W
AO531h_UMA Ckk	INTEL	ATMN280B	CPU Intel Atom N280 BGA 1.66G 512K 667 2.5W C-0
AO531h_UMA GCkk	INTEL	ATMN270B	CPU Intel Atom N270 1.6G 512K 533 2.5W
AO531h_UMA GCkk	INTEL	ATMN280B	CPU Intel Atom N280 BGA 1.66G 512K 667 2.5W C-0
HDD			
AO531h_UMA Ckk	SEAGATE	N160GB5.4KS	HDD SEAGATE 2.5" 5400rpm 160GB ST9160310AS Crockett SATA LF F/W:0303
AO531h_UMA Ckk	TOSHIBA	N160GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 160GB MK1652GSX Virgo BS SATA LF F/W:LV020J
AO531h_UMA Ckk	TOSHIBA	N160GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 160GB MK1655GSX Libra SATA LF F/W: FG011J
AO531h_UMA Ckk	HGST	N160GB5.4KS	HDD HGST 2.5" 5400rpm 160GB HTS543216L9A300 Falcon-B SATA LF F/W:C40C
AO531h_UMA Ckk	HGST	N160GB5.4KS	HDD HGST 2.5" 5400rpm 160GB HTS545016B9A300 Panther B SATA LF F/W:C60F
AO531h_UMA Ckk	WD	N160GB5.4KS	HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11
AO531h_UMA GCkk	SEAGATE	N160GB5.4KS	HDD SEAGATE 2.5" 5400rpm 160GB ST9160310AS Crockett SATA LF F/W:0303
AO531h_UMA GCkk	TOSHIBA	N160GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 160GB MK1652GSX Virgo BS SATA LF F/W:LV020J
AO531h_UMA GCkk	TOSHIBA	N160GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 160GB MK1655GSX Libra SATA LF F/W: FG011J
AO531h_UMA GCkk	HGST	N160GB5.4KS	HDD HGST 2.5" 5400rpm 160GB HTS543216L9A300 Falcon-B SATA LF F/W:C40C
AO531h_UMA GCkk	HGST	N160GB5.4KS	HDD HGST 2.5" 5400rpm 160GB HTS545016B9A300 Panther B SATA LF F/W:C60F
AO531h_UMA GCkk	WD	N160GB5.4KS	HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11
Keyboard			
AO531f_UMA GCkk	None	8KB-FV1 Black	Keyboard 8KB-FV1 Black Macles Standard
AO531f_UMA GCkk	None	L8KB-FV1 Black	Keyboard 8KB-FV1L Black Macles Standard Linux

BOM_Name	Vendor	Type	Description
AO531h_UMA Ckk	None	8KB-FV1 Black	Keyboard 8KB-FV1 Black Macles Standard
AO531h_UMA Ckk	None	L8KB-FV1 Black	Keyboard 8KB-FV1L Black Macles Standard Linux
AO531h_UMA GCkk	None	8KB-FV1 Black	Keyboard 8KB-FV1 Black Macles Standard
AO531h_UMA GCkk	None	L8KB-FV1 Black	Keyboard 8KB-FV1L Black Macles Standard Linux
LAN			
AO531f_UMA GCkk	Atheros	AR8114	Atheros AR8114 AR8114
AO531h_UMA Ckk	Atheros	AR8114	Atheros AR8114 AR8114
AO531h_UMA GCkk	Atheros	AR8114	Atheros AR8114 AR8114
LCD			
AO531f_UMA GCkk	AUO	NLED10.1WSVGAG	LED LCD AUO 10.1" WSVGA Glare B101AW03 V0 LF 200nit 8ms 500:1
AO531f_UMA GCkk	AUO	NLED10.1WSVGAG	LED LCD AUO 10.1" WSVGA Glare B101AW03 V0 2A (3G) LF 200nit 8ms 500:1
AO531f_UMA GCkk	SAMSUNG	NLED10.1WSVGAG	LED LCD SAMSUNG 10.1" WSVGA Glare LTN101NT02-A01 LF 200nit 16ms 400:1
AO531f_UMA GCkk	LPL	NLED10.1WSVGAG	LED LCD LPL 10.1" WSVGA Glare LP101WSA-TLA1 LF 200nit 16ms 400:1
AO531f_UMA GCkk	CMO	NLED10.1WSVGAG	LED LCD CMO 10.1" WSVGA Glare N101L6-L02 LF 200nit 8ms 400:1
AO531f_UMA GCkk	CMO	NLED10.1WSVGAG	LED LCD CMO 10.1" WSVGA Glare N101L6-L02 C2 (3G) LF 200nit 10ms 650:1
AO531h_UMA Ckk	AUO	NLED10.1WSVGAG	LED LCD AUO 10.1" WSVGA Glare B101AW03 V0 LF 200nit 8ms 500:1
AO531h_UMA Ckk	AUO	NLED10.1WSVGAG	LED LCD AUO 10.1" WSVGA Glare B101AW03 V0 2A (3G) LF 200nit 8ms 500:1
AO531h_UMA Ckk	SAMSUNG	NLED10.1WSVGAG	LED LCD SAMSUNG 10.1" WSVGA Glare LTN101NT02-A01 LF 200nit 16ms 400:1
AO531h_UMA Ckk	LPL	NLED10.1WSVGAG	LED LCD LPL 10.1" WSVGA Glare LP101WSA-TLA1 LF 200nit 16ms 400:1
AO531h_UMA Ckk	CMO	NLED10.1WSVGAG	LED LCD CMO 10.1" WSVGA Glare N101L6-L02 LF 200nit 8ms 400:1
AO531h_UMA Ckk	CMO	NLED10.1WSVGAG	LED LCD CMO 10.1" WSVGA Glare N101L6-L02 C2 (3G) LF 200nit 10ms 650:1
AO531h_UMA GCkk	AUO	NLED10.1WSVGAG	LED LCD AUO 10.1" WSVGA Glare B101AW03 V0 LF 200nit 8ms 500:1
AO531h_UMA GCkk	AUO	NLED10.1WSVGAG	LED LCD AUO 10.1" WSVGA Glare B101AW03 V0 2A (3G) LF 200nit 8ms 500:1
AO531h_UMA GCkk	SAMSUNG	NLED10.1WSVGAG	LED LCD SAMSUNG 10.1" WSVGA Glare LTN101NT02-A01 LF 200nit 16ms 400:1
AO531h_UMA GCkk	LPL	NLED10.1WSVGAG	LED LCD LPL 10.1" WSVGA Glare LP101WSA-TLA1 LF 200nit 16ms 400:1
AO531h_UMA GCkk	CMO	NLED10.1WSVGAG	LED LCD CMO 10.1" WSVGA Glare N101L6-L02 LF 200nit 8ms 400:1

BOM_Name	Vendor	Type	Description
AO531h_UMA GCkk	CMO	NLED10.1WSVGAG	LED LCD CMO 10.1" WSVGA Glare N101L6-L02 C2 (3G) LF 200nit 10ms 650:1
Memory			
AO531f_UMA GCkk	NANYA	SO1GBII6	Memory NANYA SO-DIMM DDRII 667 1GB NT1GT64UH8D0FN-3C LF 64*16 0.07um
AO531f_UMA GCkk	MICRON	SO1GBII6	Memory MICRON SO-DIMM DDRII 667 1GB MT8HTF12864HDY-667G1 LF 64*16 0.065um
AO531f_UMA GCkk	ELPIDA	SO1GBII6	Memory ELPIDA SO-DIMM DDRII 667 1GB EBE11UE6AESA-6E-F LF 64*16 0.065um
AO531f_UMA GCkk	SAMSUNG	SO1GBII6	Memory SAMSUNG SO-DIMM DDRII 667 1GB M470T2864EH3-CE6 LF 64*16 0.055um
AO531f_UMA GCkk	HYNIX	SO1GBII6	Memory HYNIX SO-DIMM DDRII 667 1GB HMP112S6EFR6C-Y5 LF 64*16 0.055um
AO531f_UMA GCkk	SAMSUNG	SO512MBII6	Memory SAMSUNG SO-DIMM DDRII 667 512MB M470T6464QZ3-CE6 LF
AO531h_UMA Ckk	NANYA	SO1GBII6	Memory NANYA SO-DIMM DDRII 667 1GB NT1GT64UH8D0FN-3C LF 64*16 0.07um
AO531h_UMA Ckk	MICRON	SO1GBII6	Memory MICRON SO-DIMM DDRII 667 1GB MT8HTF12864HDY-667G1 LF 64*16 0.065um
AO531h_UMA Ckk	ELPIDA	SO1GBII6	Memory ELPIDA SO-DIMM DDRII 667 1GB EBE11UE6AESA-6E-F LF 64*16 0.065um
AO531h_UMA Ckk	SAMSUNG	SO1GBII6	Memory SAMSUNG SO-DIMM DDRII 667 1GB M470T2864EH3-CE6 LF 64*16 0.055um
AO531h_UMA Ckk	HYNIX	SO1GBII6	Memory HYNIX SO-DIMM DDRII 667 1GB HMP112S6EFR6C-Y5 LF 64*16 0.055um
AO531h_UMA Ckk	SAMSUNG	SO512MBII6	Memory SAMSUNG SO-DIMM DDRII 667 512MB M470T6464QZ3-CE6 LF
AO531h_UMA GCkk	NANYA	SO1GBII6	Memory NANYA SO-DIMM DDRII 667 1GB NT1GT64UH8D0FN-3C LF 64*16 0.07um
AO531h_UMA GCkk	MICRON	SO1GBII6	Memory MICRON SO-DIMM DDRII 667 1GB MT8HTF12864HDY-667G1 LF 64*16 0.065um
AO531h_UMA GCkk	ELPIDA	SO1GBII6	Memory ELPIDA SO-DIMM DDRII 667 1GB EBE11UE6AESA-6E-F LF 64*16 0.065um
AO531h_UMA GCkk	SAMSUNG	SO1GBII6	Memory SAMSUNG SO-DIMM DDRII 667 1GB M470T2864EH3-CE6 LF 64*16 0.055um
AO531h_UMA GCkk	HYNIX	SO1GBII6	Memory HYNIX SO-DIMM DDRII 667 1GB HMP112S6EFR6C-Y5 LF 64*16 0.055um
AO531h_UMA GCkk	SAMSUNG	SO512MBII6	Memory SAMSUNG SO-DIMM DDRII 667 512MB M470T6464QZ3-CE6 LF
Mouse			
AO531f_UMA GCkk	Acer	MOUSE-A1	Acer Aspire one Mouse MS_A1 Black
AO531h_UMA Ckk	Acer	MOUSE-A1	Acer Aspire one Mouse MS_A1 Black
AO531h_UMA GCkk	Acer	MOUSE-A1	Acer Aspire one Mouse MS_A1 Black
Northbridge Chipset			
AO531f_UMA GCkk	INTEL	945GSE	NB Chipset Intel CS QG82945GSE MM#897840

BOM_Name	Vendor	Type	Description
AO531h_UMA Ckk	INTEL	945GSE	NB Chipset Intel CS QG82945GSE MM#897840
AO531h_UMA GCkk	INTEL	945GSE	NB Chipset Intel CS QG82945GSE MM#897840
Southbridge Chipset			
AO531f_UMA GCkk	Intel	ICH7M	ICH7M
AO531h_UMA Ckk	Intel	ICH7M	ICH7M
AO531h_UMA GCkk	Intel	ICH7M	ICH7M
Software			
AO531f_UMA GCkk		McAfee	Antivirus application McAfee
AO531h_UMA Ckk		McAfee	Antivirus application McAfee
AO531h_UMA GCkk		McAfee	Antivirus application McAfee
VGA Chip			
AO531f_UMA GCkk	None	UMA	UMA (Intel)
AO531h_UMA Ckk	None	UMA	UMA (Intel)
AO531h_UMA GCkk	None	UMA	UMA (Intel)
WiFi Antenna			
AO531f_UMA GCkk	WNC	PIFA	PIFA
AO531h_UMA Ckk	WNC	PIFA	PIFA
AO531h_UMA GCkk	WNC	PIFA	PIFA
WLAN			
AO531f_UMA GCkk	Foxconn	3rd WiFi BG	Foxconn Wireless LAN Atheros HB95 1x1 BG (HM)
AO531f_UMA GCkk	Foxconn	3rd WiFi BG	Foxconn Wireless LAN Atheros HB63 BG (HM)
AO531h_UMA Ckk	Foxconn	3rd WiFi BG	Foxconn Wireless LAN Atheros HB95 1x1 BG (HM)
AO531h_UMA Ckk	Foxconn	3rd WiFi BG	Foxconn Wireless LAN Atheros HB63 BG (HM)
AO531h_UMA GCkk	Foxconn	3rd WiFi BG	Foxconn Wireless LAN Atheros HB95 1x1 BG (HM)
AO531h_UMA GCkk	Foxconn	3rd WiFi BG	Foxconn Wireless LAN Atheros HB63 BG (HM)

Online Support Information

This section describes online technical support services available to help you repair your Acer Systems.

If you are a distributor, dealer, ASP or TPM, please refer your technical queries to your local Acer branch office. Acer Branch Offices and Regional Business Units may access our website. However some information sources will require a user i.d. and password. These can be obtained directly from Acer CSD Taiwan.

Acer's Website offers you convenient and valuable support resources whenever you need them.

In the Technical Information section you can download information on all of Acer's Notebook, Desktop and Server models including:

- Service guides for all models
- User's manuals
- Training materials
- Bios updates
- Software utilities
- Spare parts lists
- TABs (Technical Announcement Bulletin)

For these purposes, we have included an Acrobat File to facilitate the problem-free downloading of our technical material.

Also contained on this website are:

- Detailed information on Acer's International Traveler's Warranty (ITW)
- Returned material authorization procedures
- An overview of all the support services we offer, accompanied by a list of telephone, fax and email contacts for all your technical queries.

We are always looking for ways to optimize and improve our services, so if you have any suggestions or comments, please do not hesitate to communicate these to us.

Numerics

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