Aspire 5940G 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 5940G 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.

Table of Contents

Table of Contents

System Specifications

Features

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

Operating System

- Genuine Windows® 7™

Platform

- Intel® Mobile Calpella processor technology, featuring:
  - Intel® Ibex Peak-M (PM55)
  - Broadcom BCM57780A1KMLG for Giga LAN

System Memory

- Dual-Channel SDRAM support
- Up to 2 GB of DDR3 1066 MHz memory, upgradeable to 4 GB per slot, 8 GB total

Display and graphics

- 16:9 aspect ratio
- 15.6" HD 1366 x 768*
- 15.6" Full HD 1920 x 1080*
- ATI Mobility™ Radeon HD 4570*
- NVIDIA® GeForce® GT 130M*

TV Tuner

- Digital TV-tuner supporting DVB-T*

Storage subsystem

- 2.5" hard disk drive
- Super Multi/BD Combo/BD Writer
- Optical drive options:
  - Blu-ray Disc™ /DVD-Super Multi double-layer drive*
- 5-in-1 card reader

Audio

- Dolby® -optimized surround sound system with two built-in stereo speakers
- True5.1-channel surround sound output
- High-definition audio support

- S/PDIF (Sony/Philips Digital Interface) support for digital speakers
- Acer PureZone technology with two built-in stereo microphones
- MS-Sound compatible

Dimensions and Weight

- 382 (W) x 274 (D) x 26/39.5 (H) mm (15.0 x 10.8 x 1.0/1.6 inches)
- 3.0 kg (6.6 lbs.) with 6-cell battery

Communication

- Acer Video Conference, featuring:
- Integrated Acer Crystal Eye webcam*
- Optional Acer Xpress VoIP phone*
- Wi-Fi/WiMAX: Intel® Wireless WiFi Link 5150/5350*
- WLAN: Intel® Wireless WiFi Link 5100/5300*
- WPAN: Bluetooth® 2.0+Enhanced Data Rate (EDR)*
- LAN: Gigabit Ethernet; Wake-on-LAN ready

Privacy control

- Acer Bio-Protection fingerprint solution*
- BIOS user, supervisor, HDD passwords
- Kensington lock slot

Power subsystem

- ACPI 3.0
- 48.8 W 4400 mAh
- 3-pin 90 W AC adapter
- ENERGY STAR®

Special keys and controls

- 86-/87-/91-key keyboard
- Touchpad pointing device

I/O interface

- Acer Bio-Protection fingerprint reader*
- ExpressCard®/54 slot
- 5-in-1 card reader (MS,MS Pro, SD, MMC, XD)
- USB 2.0 port
- HDMI™ port with HDCP support
- External display (VGA) port
- Consumer infrared (CIR) port
- RF-in jack*
- eSATA port

- Headphones/speaker/line-out jack with S/PDIF support
- Microphone-in jack
- Line-in jack
- Ethernet (RJ-45) port
- DC-in jack for AC adapter
- PCI-Express Card slot
- Kensington Lock
- MIR for Remote Control

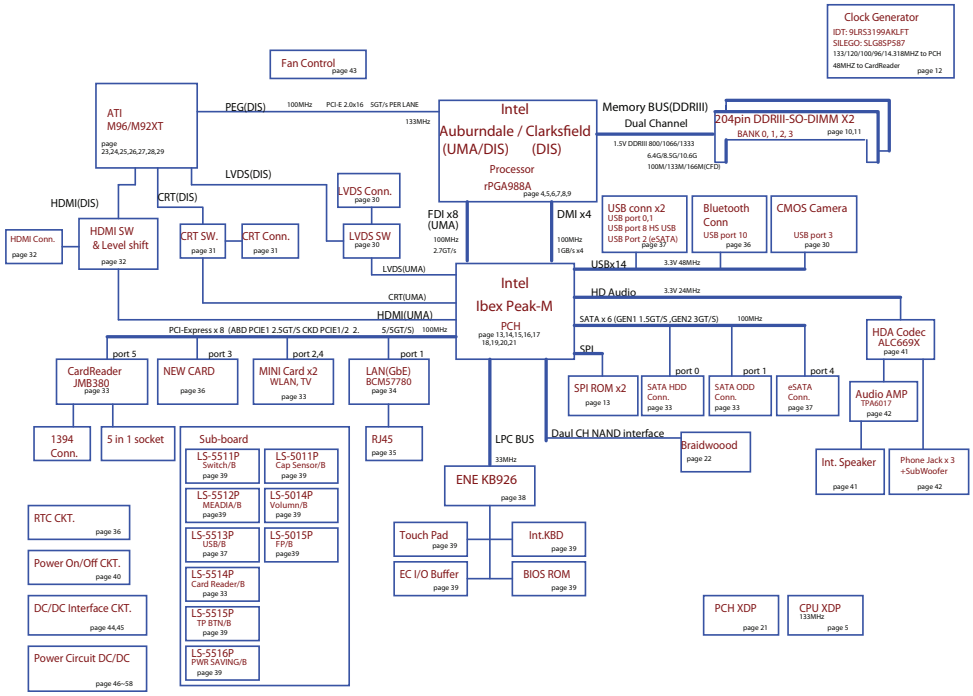
Environment

- Temperature:
  - Operating: 0°C to 40 °C
  - Non-operating: -20 °C to 65 °C
- Humidity (non-condensing):
  - Operating: 0% to 80%
  - Non-operating: 20% to 80%

NOTE: Items marked with * denote only selected models.

NOTE: The specifications listed above are for reference only. The exact configuration of your PC depends on the model purchased.

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 (configuration may vary by models).
3		Power button	Turns the computer on and off.
4		Keyboard	For entering data into your computer.
5		Backup key	Launches Acer Backup Management for three-step data backup.
		Bluetooth communication button/indicator	Enables/disables the Bluetooth function. Indicates the status of Bluetooth communication (only certain models).
		Wireless LAN communication button/indicator	Enables/disables the wireless LAN function. Indicates the status of wireless LAN communication.
6		TouchPad	Touch-sensitive pointing device which functions like a computer mouse.

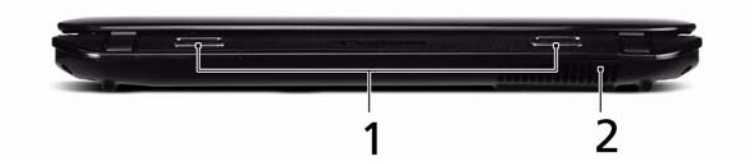
No.	Icon	Item	Description
7		HDD	Indicates when the hard disk drive is active.
		Num Lock	Lights up when Num Lock is activated.
		Caps Lock	Lights up when Caps Lock is activated.
		Power[1]	Indicates the computer's power status.
		Battery[1]	Indicates the computer's battery status. **1.** Charging: The light shows amber when the battery is charging. **2.** Fully charged: The light shows green when in AC mode.
8		Click buttons (left, center* and right)	The left and right buttons function like the left and right mouse buttons. *The center button serves as Acer Bio-Protection fingerprint reader supporting Acer FingerNav 4-way control function (only for certain models).
9		Microphone	Internal microphone for sound recording.
10		Palmrest	Comfortable support area for your hands when you use the computer.
11		TouchPad toggle	Turns the internal TouchPad on and off.
12		Acer MediaTouch	Touch sensitive controls for Acer Arcade, volume (up/down) and media (play/pause, stop, previous, next); with mute and hold keys.
13		Acer PowerSmart key	Puts your computer into power-saving mode.
14		Speakers	Left and right speakers deliver stereo audio output.
15		Screen blank	Turns the display screen backlight off to save power. Press any key to return.

NOTE: [1]The Power and Battery indicators are visible even when the computer cover is closed

Closed Front View

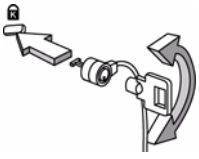
No.	Icon	Item	Description
1		CIR receiver	Receives signals from a remote control.

Rear View



No.	Item	Description
1	Tuba	The dedicated Tuba CineBass subwoofer pumps out earthshaking movie-house audio.
2	Ventilation slots	Enable the computer to stay cool, even after prolonged use.

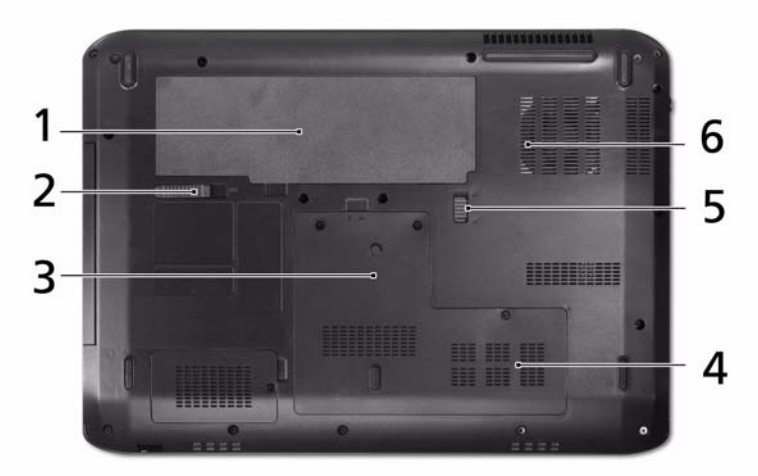
Left View

No.	Icon	Item	Description
1		Kensington lock slot 	Connects to a Kensington-compatible computer security lock. **Note:** Wrap the computer security lock cable around an immovable object such as a table or handle of a locked drawer. Insert the lock into the notch and turn the key to secure the lock. Some keyless models are also available.
2		DC-in jack	Connects to an AC adapter.
3		Ethernet (RJ-45) port	Connects to an Ethernet 10/100-based network.
4		External display (VGA) port	Connects to a display device (e.g. external monitor, LCD projector).
5	HDMI	HDMI port	Supports high definition digital video connections (only for certain models).
6	eSATA	eSATA port	Connects to eSATA devices.
7		USB 2.0 ports	Connect to USB 2.0 devices (e.g. USB mouse, USB camera).
8		Line-in jack	Accepts audio line-in devices (e.g., audio CD player, stereo walkman, mp3 player)
		Microphone jack	Accepts input from external microphones.
	SPDIF	Headphones/ speaker/line-out jack with S/PDIF support	Connects to audio line-out devices (e.g., speakers, headphones).
9	ExpressCard / 54	ExpressCard/54 slot	Accepts one ExpressCard/54 module.

Right View

No.	Icon	Item	Description
1		6-in-1 Card Reader	Accepts Secure Digital (SD), MultiMediaCard (MMC), MultiMediaCard Plus (MMCPlus), 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.
2	1394	4-pin IEEE 1394 port	Connects to IEEE 1394 devices.
3		Optical drive	Internal optical drive; accepts CDs or DVDs.
4		Optical disk access indicator	Lights up when the optical drive is active.
5		Optical drive eject button	Ejects the optical disk from the drive.
6		Emergency eject hole	Ejects the optical drive tray when the computer is turned off. **Note:** Insert a paper clip into the emergency eject hole to eject the optical drive tray when the computer is off.
7		USB 2.0 ports	Connects to USB 2.0 devices (e.g., USB mouse, USB camera).
8		RF-in port	Accepts input signals from digital TVtuner devices (only for certain models).

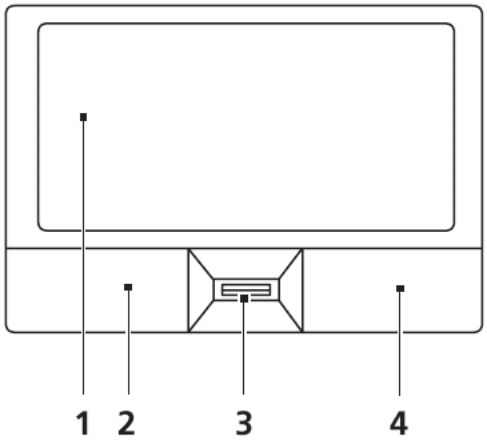
Bottom View



No.	Icon	Item	Description
1		Battery bay	Houses the computer's battery pack.
2		Battery release latch	Releases the battery for removal.
3		Hard disk bay	Houses the computer's hard disk (secured with screws).
4		Memory compartment	Houses the computer's main memory.
5		Battery lock	Locks the battery in position.
6		Ventilation slots and cooling fan	Enable the computer to stay cool, even after prolonged use. **Note**: Do not cover or obstruct the fan opening.

TouchPad Basics (with fingerprint reader)

The following items show you how to use the TouchPad with Acer Bio-Protection fingerprint reader:



- Move your finger across the touchpad (1) to move the cursor.
- Press the left (2) and right (4) 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.
- Use Acer Bio-Protection fingerprint reader (3) supporting Acer FingerNav 4-way control function (only for certain models) or the 4-way scroll (3) button (only for certain models) to scroll up or down and move left or right a page. This fingerprint reader or button mimics your cursor pressing on the right scroll bar of Windows applications.

Function	Left Button (2)	Right Button (4)	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: 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.

Using the Keyboard

The keyboard has full-sized keys and an embedded numeric keypad, separate cursor, lock, Windows, 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.	
Cursor-control keys on embedded keypad	Hold **<Shift>** while using cursor-control keys.	Hold **<Fn>** while using cursor-control keys.
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: <**>**:** Open or close the Start menu <**> + <D>:** Display the desktop <**> + <E>:** Open Windows Explore <**> + <F>:** Search for a file or folder <**> + <G>:** Cycle through Sidebar gadgets <**> + <L>:** Lock your computer (if you are connected to a network domain), or switch users (if you're not connected to a network domain) <**> + <M>:** Minimizes all windows <**> + <R>:** Open the Run dialog box <**> + <T>:** Cycle through programs on the taskbar <**> + <U>:** Open Ease of Access Center <**> + <X>:** Open Windows Mobility Center <**> + <BREAK>:** Display the System Properties dialog box <**> + <SHIFT+M>:** Restore minimized windows to the desktop <**> + <TAB>:** Cycle through programs on the taskbar by using Windows Flip 3-D <**> + <SPACEBAR>:** Bring all gadgets to the front and select Windows Sidebar <**CTRL> + <> + <F>:** Search for computers (if you are on a network) <**CTRL> + <> + <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 7, 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, volume output and the BIOS utility.

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

Hotkey	Icon	Function	Description
<Fn> + <F2>			
<Fn> + <F4>		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> + <F8>		Speaker toggle	Turns the speakers on and off.
<Fn> + <F9>		Keyboard backlight toggle	Turns the keyboard backlight on or off.
<Fn> + <▷>		Brightness up	Increases the screen brightness.
<Fn> + <◁>		Brightness down	Decreases the screen brightness.

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: Note: Some fonts and software do not support the Euro symbol. Please refer to **www.microsoft.com/typography/faq/faq12.htm** for more information.

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.

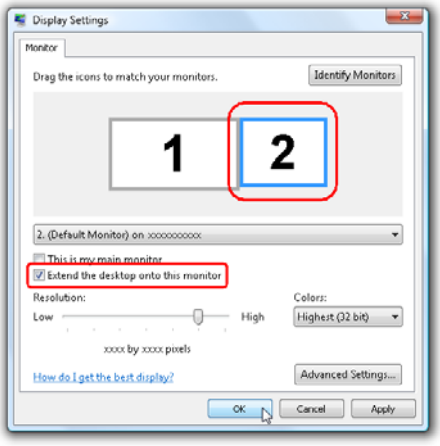
NOTE: This function varies by the operating system version.

Using the System Utilities

Acer GridVista (dual-display compatible)

NOTE: This feature is only available on certain models.

To enable the dual monitor feature of the notebook, first ensure that the second monitor is connected, then select **Start, Control Panel, Display** and click on **Settings**. Select the secondary monitor **(2)** icon in the display box and then click the check box **Extend my windows desktop onto this monitor**. Finally, click **Apply** to confirm the new settings and click **OK** to complete the process.



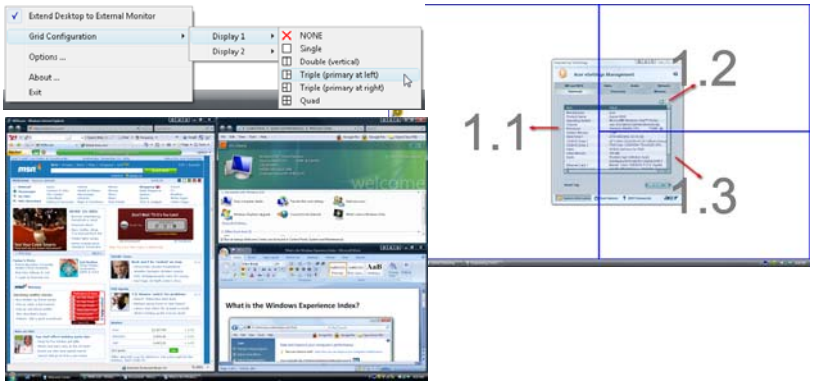
Acer GridVista is a handy utility that offers four pre-defined display settings so you can view multiple windows on the same screen. To access this function, please go to **Start→ All Programs** and click on **Acer GridVista**. You may choose any one of the four display settings indicated below:

Double (vertical), Triple (primary at left), Triple (primary at right), or Quad Acer Gridvista is dual-display compatible, allowing two displays to be partitioned independently.

Acer Gridvista is dual-display compatible, allowing two displays to be partitioned independently.

AcerGridVista is simple to set up:

1. Run Acer GridVista and select your preferred screen configuration for each display from the task bar.
2. Drag and drop each window into the appropriate grid.
3. Enjoy the convenience of a well-organized desktop.



NOTE: Please ensure that the resolution setting of the second monitor is set to the manufacturer's recommended value.

Hardware Specifications and Configurations

Processor

Item	Specification
CPU type	Intel Mobile Calpella
Core Logic	Intel Ibex Peak-M (PM55)
CPU Package	rPGA988A
CPU Core Voltage	See Processor Specifications below
L2 cache	256K

Processor Specifications

Processor	CPU Speed	Cores	Bus Speed	Mfg. Tech.	Cache Size	Power	Acer P/N
Ci7720QM	1.6 GHz		1333		6 MB	45 W	KC.72001.QMP
Ci7820QM	1.73 GHz		1333		8 MB	45 W	KC.82001.QMP

CPU Fan True Value Table

CPU Temperature	Fan Speed (rpm)	SPL Spec (dBA)
50	2800	28
60	3100	31
70	3400	34
80	3800	37
85	4200	40

Clarksfield

- Throttling 50%: On=95°C Off: 86°C
- OS shut down at 100°C; H/W shut down at 92°C

Auburndale

- Throttling 50%: On=100°C Off: 86°C
- OS shut down at 100°C; H/W shut down at 92°C

DOS Mode

- Throttling 50%: On=95°C Off: 86°C
- OS shut down at 100°C; H/W shut down at 92°C

BIOS

Item	Specification
BIOS vendor	InsydeH20
BIOS Version	V0.06
BIOS ROM type	Flash
BIOS ROM size	2MB

Item	Specification
Features	• Support ISIPP • Support Acer UI • Support multi-boot • Suspend to RAM (S3)/Disk (S4) • Various hot-keys for system control • Support SMBIOS 2.3, 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 • Support Y2K solution • Support Win Flash Wake on LAN from S3 • Wake on LAN form S4 in AC mode • System information

System Memory

Item	Specification
Memory controller	Intel Ibex Peak-M (PM55)
Memory size	4GB
DIMM socket number	2
Supports memory size per socket	4GB
Supports maximum memory size	8GB
Supports DIMM type	DDRIII
Supports DIMM Speed	800/1066MHz
Supports DIMM voltage	1.5V

Memory Combinations

Slot 1	Slot 2	Total Memory
0MB	512MB	512MB
0MB	1024MB	1024MB
0MB	2048MB	2048MB
512MB	512MB	1024MB
512MB	1024MB	1536MB
512MB	2048MB	2560MB
1024MB	0MB	1024MB
1024MB	512MB	1536MB
1024MB	1024MB	2048MB
1024MB	2048MB	3072MB
2048MB	0MB	2048MB
2048MB	512MB	2560MB
2048MB	1024MB	3072MB
2048MB	2048MB	4096MB

NOTE: Above table lists some system memory configurations. You may combine DIMMs with various capacities to form other combinations. On above table, the configuration of slot 1 and slot 2 could be reversed.

LAN Interface

Item	Specification
LAN Chipset	Broadcom BCM57780A1KMLG for Giga LAN
Supports LAN protocol	10/100/1000 Mbps
LAN connector type	RJ45
LAN connector location	Left side

Wireless Module 802.11b/g

Item	Specification	
Chipset	Intel WLAN Shirley Peak	
Data throughput	Protocol	Typical Throughput
	802.11a 802.11b 802.11g 802.11n	23 MBit/s 4.3 MBit/s 19 MBit/s 130 MBit/s
Protocols	Data transmit/receive: • IEEE WLAN Standard IEEE 802.11a/b/g/Draft-N1, 802.11d, 802.11e, 802.11i, 802.11h • Wi-Fi Alliance Wi-Fi Certified* for 802.11 a, 802.11 b, 802.11 g, WMM*, WPA*, and WPA2* • (Wi-Fi Alliance Draft-N1 and 802.11n certifications expected when available) Security • Authentication WPA7 and WPA27, 802.1X, LEAP, EAP-TLS, PEAP-TLS, and PEAP-MSCHAPv2* • Protocols Encryption CKIP, TKIP, 64-bit and 128-bit WEP (for 802.11a/b/g), AES-CCMP (for 802.11a/b/g/Draft-N)	
Interface	Connector interface Mini Card form factor, based on PCIe electrical interface Microsoft WHQL YES	

Hard Disk Drive Interface

Item	Specification				
Vendor & Model Name	Segate ST9320320AS ST9160310AS	Seagate ST9250315AS ST9500325AS	Toshiba MK3255GSX MK2555GSX MK1655GSX	HGST HTS545050 HTS545032 HTS545025 HTS543216	WD WD5000BEVT WD3200BEVT WD2500BEVT WD1600BEVT
Capacity (GB)	320, 160	250, 500	320, 250, 160		500, 320, 250, 160
Bytes per sector	512	512	512	512	512
Data heads	4, 2		4, 2, 2		4, 4, 3, 2, 2
Drive Format					
Disks	2 or 1, 1		2, 1, 1		2, 2, 2, 1, 1
Spindle speed (RPM)	5400	5400	5400	5400	5400
Performance Specifications					
Buffer size	8 MB		8 MB		8 MB
Interface	SATA		SATA		SATA
Internal transfer rate (Mbits/sec, max)	352		395~952 typ.		850 Mbits/s maximum
I/O data transfer rate (Mbytes/sec max)	150		300		300 maximum
DC Power Requirements					
Voltage tolerance	5V ±5%	5V ±5%	5V ±5%	5V ±5%	5V ±5%

Blueray Combo Module

Item	Specification	
Vendor & model name	PLDS DS-4E1S LF, Pioneer BDC-TD01RS LF, HLDS CT10 LF	
Performance Specification	With CD Diskette	With DVD Diskette
Transfer rate (MB/sec)	Sustained: 3.5	Sustained: 10
Buffer Memory	2 MB	
Interface	SATA	

Item	Specification
Applicable disc formats	CD-DA, CD-TEXT, CD ROM Mode-1, CD-ROM/XA Mode-2 Form-1 and Form-2, CD-I Ready, Video-CD (MPEG-1), Photo-CD, Enhance CD, CD extra, I-Trax CD and UDF DVD-ROM, DVD-Video, DVD-Audio, DVD-R single/multi border(s) DVD+R single/multi session(s) DVD-RW DVD+RW DVD-RAM BD-ROM ver2.0, UDF2.5 BD-R ver1.0 and ver2.0, UDF2.5 BD-RE ver2.0 and ver3.0, UDF2.5 BD-hybrid (only BD part)
Loading mechanism	Manual load/ Plunger system
Power Requirement	
Input Voltage	DC 5 V +/- 5%

Super-Multi Drive Module

Item	Specification	
Vendor & model name	HLDS GT20N LF, Toshiba TS-L633B LF, Sony AD-7580S LF, PLDS DS-8A3S LF	
Performance Specification	With CD Diskette	With DVD Diskette
Transfer rate	Sustained: 3,600 kB/s (24x) max.	Sustained: 11.08 Mbytes/s (8x) max.
Buffer Memory	1 MB	
Interface	SATA	
Applicable disc formats	DVD-ROM: 4.7GB (Single Layer), 8.5GB (Dual Layer) DVD-R: 3.95GB (Ver. 1.0: read only), 4.7GB (Ver. 2.0 for Authoring: read only), 4.7GB (Ver. 2.1 for General: read & write) (DL) 8.5GB (Ver. 3.0) DVD-RW: 4.7GB (Ver. 1.2/ Rev 1.0, 2.0, 3.0) DVD-RAM: 2.6GB/side (Ver. 1.0: read only) 1.46GB/side, 4.7GB/side (Ver. 2.2) DVD+R: 4.7GB (Ver. 1.3)(DL)8.5GB (Ver. 1.1)DVD+RW:4.7GB (Vol.1 Ver.1.3) CD-ROM Mode-1 data disc CD-ROM Mode-2 data disc CD-ROM XA, CD-I, Photo-CD Multi-Session, Video CD CD-Audio DiscMixed mode CD-ROM disc (data and audio) CD-ExtraCD-Text CD-R (Conforming to “Orange Book Part 2”: read & write) D-RW (Conforming to “Orange Book Part 3”: read & write)	
Loading mechanism	Drawer type manual load / Electrical release	
Power Requirement		
Input Voltage	DC 5 V +/- 5%	

Audio Interface

Item	Specification
Audio Controller	Realtek IC ALC889X-GR for High Definition Audio Codec
Audio onboard or optional	Onboard
Mono or Stereo	Stereo
Internal Microphone	·AC-coupled input,100mVP-P maximum
Internal Speaker / Quantity	2.1 speaker configuration: 2X 4Ohm 2W Main Speakers, ·22Ohm 3Watt 50cc Chamber Subwoofer

System Board Major Chips

Item	Controller
Core logic	• Intel Mobile Calpella • Intel Ibex Peak-M (PM55)
LAN	• BCM57780A1KMLG for GIGA LAN
WLAN	• Intel WLAN Shirley Peak

Item	Controller
Audio Codec	• Realtek ALC669-X for High Definition Audio Codec with Dolby Digital Live
Keyboard	• ENE KB926 for Keyboard Controller, Battery management Unit
Card Reader	• JMB380 card reader

Keyboard

Item	Specification
Keyboard controller	KB926
Total number of keypads	86-/87-/91-key keyboard
Windows logo key	Yes
Internal & external keyboard work simultaneously	Yes

Battery

Item	Specification	
	6 Cell	8 Cell
Vendor & model name	Sanyo, Sony, Panasonic, Samsung, Simplo	Sanyo, Sony, Simplo
Battery Type	Li-ion	Li-ion
Pack capacity	4400 mAh	4800 mAh
Number of battery cell	6	8
Package configuration	3S2	4S2P

LCD 15.6" HD

Item	Specification	
Vendor/model name	AUO B156XW02	CMO N156B3-L02
Screen Diagonal (mm)	394.9	394.9
Display resolution (pixels)	1366 x 3 (RGB) x 768	1366 x R.G.B. x 768
Pixel Pitch	0.255 x 0.255	0.252 (H) x 0.252 (V)
Pixel Arrangement	R.G.B. Vertical Stripe	RGB vertical stripe
Display Mode	Normally White	Normally white
Typical White Luminance (cd/m^2) also called Brightness	220 typ. (5 points average) 187 min. (5 points average)	220 typ. (5 points average) 200 min. (5 points average)
Luminance Uniformity	1.25 max. (5 points)	TBD
Contrast Ratio	400 typ	500 typ.
Response Time (Optical Rise Time/Fall Time) msec	8 typ / 15 Max	7 typ / 12 Max
Nominal Input Voltage VDD	+3.3 typ.	+3.3 typ.
Typical Viewing Angle (degree)	Horizontal (Right): 45 CR = 10 (Left): 45 Vertical (Upper): 15 CR = 10 (Lower): 35	Horizontal (Right): 45 CR = 10 (Left): 45 Vertical (Upper): 20 CR = 10 (Lower): 45
Temperature Range (°C) Operating Storage (shipping)	 0 to +50 -20 to +60	 0 to +50 -20 to +60

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 when 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, Boot, and Exit.

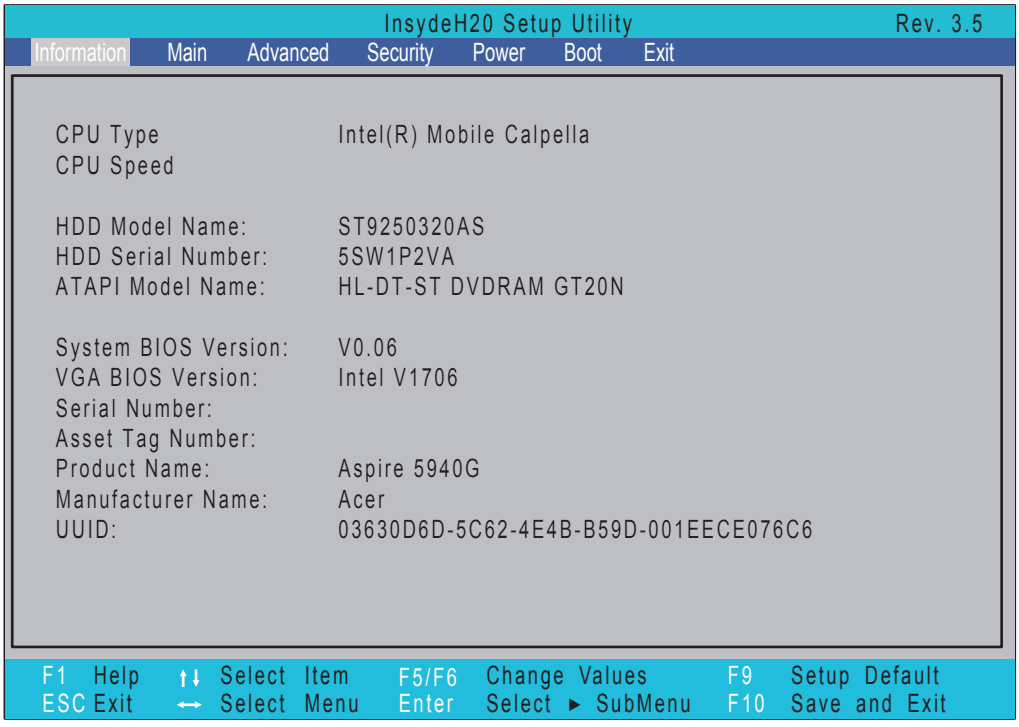
Follow these instructions:

- 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.

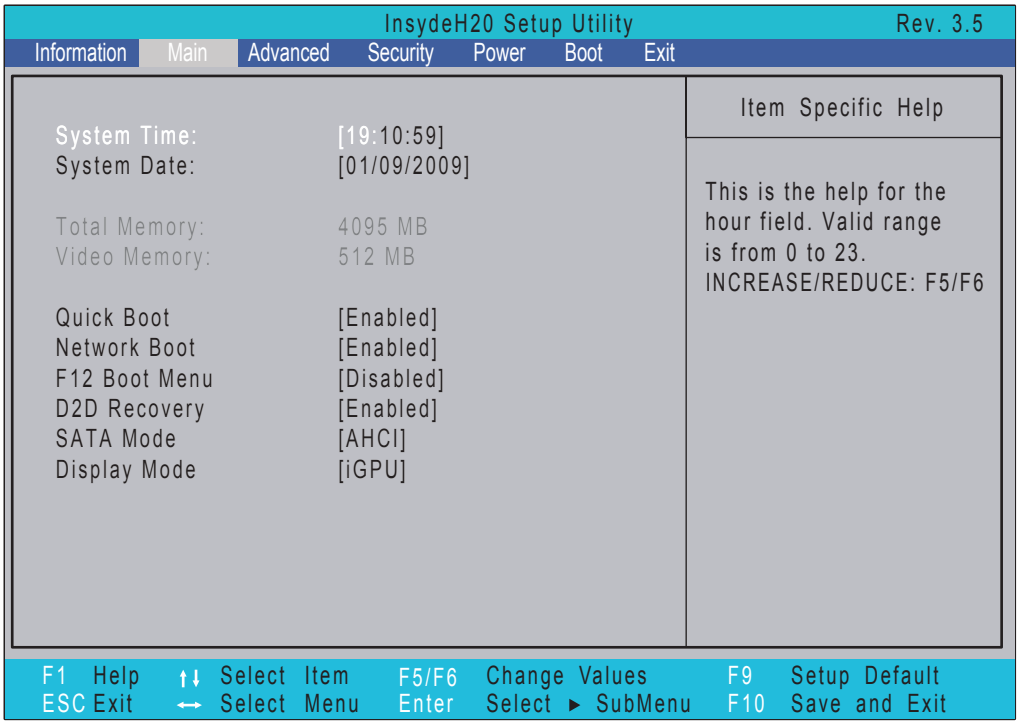


NOTE: The system information is subject to different models.

Parameter	Description
CPU Type	This field shows the CPU type and speed 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.
ATAPI Model Name	This field shows the model name of the Optical device installed in the system.
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	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.

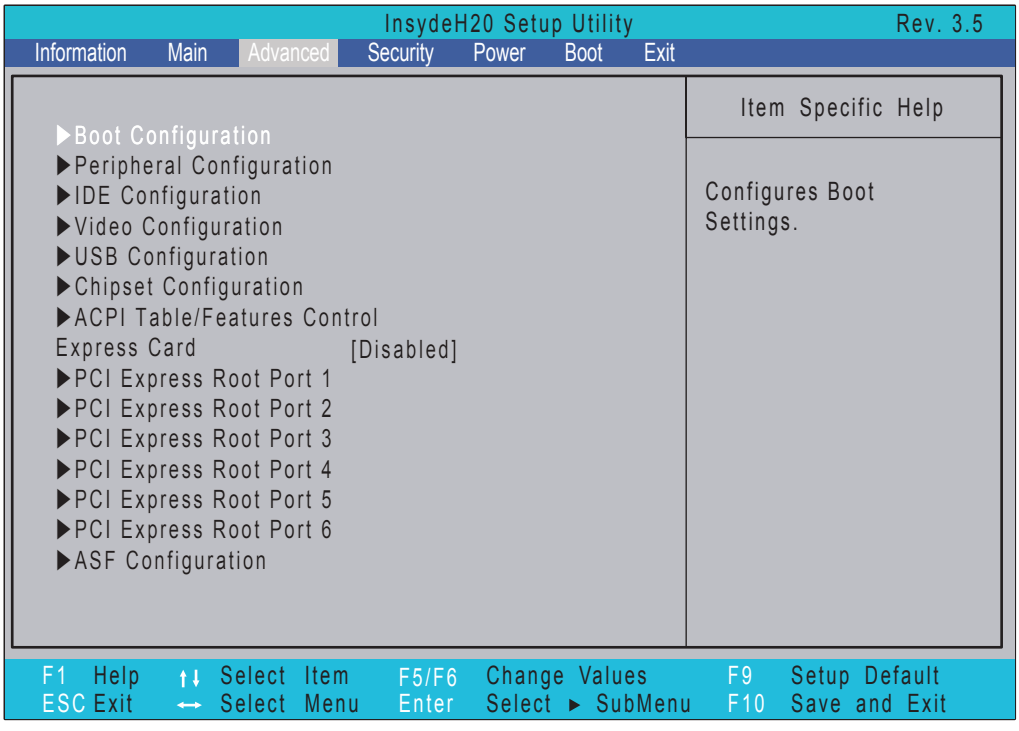
The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

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)
System Memory	This field reports the memory size of the system. Memory size is fixed to 2047 MB.	N/A
Video Memory	This field reports the memory allocated for video graphics. Memory size is fixed to 64 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	Enable the Press <F12> to display Boot Menu message during boot.	Option: Enabled or **Disabled**
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
Display Mode	Configures the mode of operation for the display	Option: **iGPU** or ?

Advanced

The Advanced screen allows the user to configure the various advanced BIOS options.

IMPORTANT: Making incorrect settings to items on these pages may cause the system to malfunction. Unless you have experience adjusting these items, we recommend that you leave these settings at the default values. If making settings to items on these pages causes your system to malfunction or prevents the system from booting, open BIOS and choose Load Optimal Defaults in the Exit menu to boot up normally.



The table below describes the items, menus, and submenus in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Submenu Items
Boot Configuration	Enter the Boot Configuration menu.	• Numlock
Peripheral Configuration	Enter the Peripheral Configuration menu.	• Serial Port A • Infrared Port • Azalia • Lan
IDE Configuration	Enter the IDE Configuration menu.	• IDE Controller • HDC Configure as • AHCI Option ROM Support • SATA Port 0, 1, 4, 5 HotPlug • Channel 1 to 4 Master and Slave

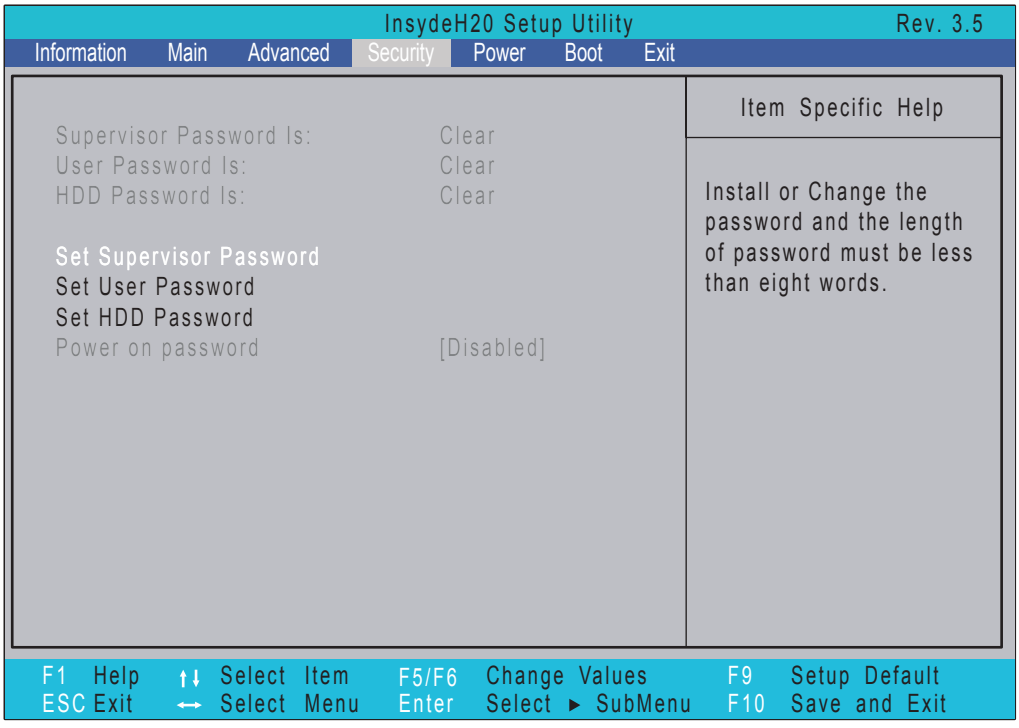
Parameter	Description	Submenu Items
Video Configuration	Enter the Video Configuration menu.	• Render Standby • IGD—Device2, Function1 • IGD—Pre-allocat Memory • IGD—DVMT Size • Clock Chip Initialize • Enabled CK SSC • IGD—Boot Type • IGD—LCD Panel Type • IGD—TV • IGD—PAVP Mode
USB Configuration	Enter the USB Configuration menu.	• USB Legacy • EHCI 1, 2 • UHCI 1 ~ 5 • Per-Port Control • USB Port 0~7
Chipset Configuration	Enter the Chipset Configuration menu.	• Port 80h Cycles • DMI Link ASPM Control • Automatic ASPM • PCI Latency Timer • VT-d • iTPM
ACPI Table/ Features Control	Enter the ACPI Table/Features Control menu.	• FACP—C2 Latency Value • FACP—C3 Latency Value • FACP—RTC S4 Wakeup • APIC—IO APIC Mode • HPET—HPET Support • Base Address select
Express Card	Disabled	• N/A

PCI Express Root Port 1 ~ 6	Enter the PCI Express Root Port Menu	• PCI Express Root Port 1
		  • VC1 Enable
		  • ASPM
		• Automatic ASPM
		• ASPM L0s
		• ASPM L1
		  • URR
		  • FER
		  • NFER
		  • CER
		  • CTO
		  • SEFE
		  • SENFE
		  • SECE
		  • PME Interrupt
		  • PMI SCI
		  • Hot Plug SCI

ASF Configuration	Enter the ASF Configuration Menu	• Mini WatchDog Timeout • BIOS Boot Timeout • OS Boot Timeout • Power-on wait time

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 hard disk 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.	N/A
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.	N/A
Set HDD Password	Enter HDD Password.	N/A
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.	**Disabled** or Enabled

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**.

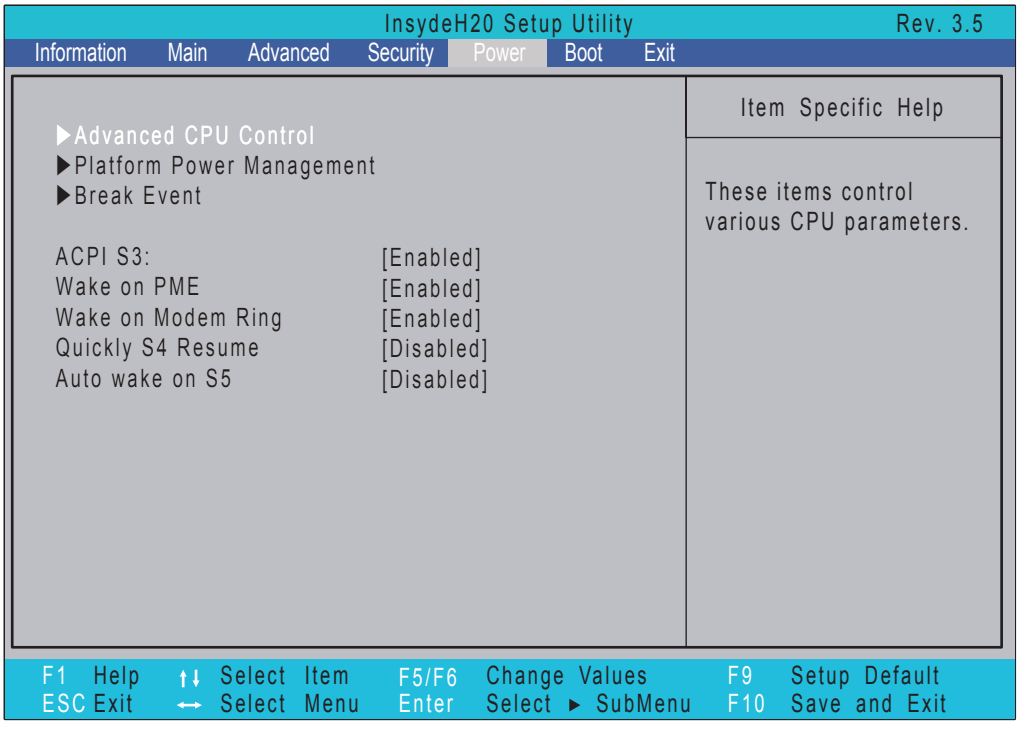
If the current password entered does not match the actual current password, the screen will show you the Setup Warning.

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

Power

The Advanced screen allows the user to configure the various advanced BIOS options.

IMPORTANT: Making incorrect settings to items on these pages may cause the system to malfunction. Unless you have experience adjusting these items, we recommend that you leave these settings at the default values. If making settings to items on these pages causes your system to malfunction or prevents the system from booting, open BIOS and choose Load Optimal Defaults in the Exit menu to boot up normally.



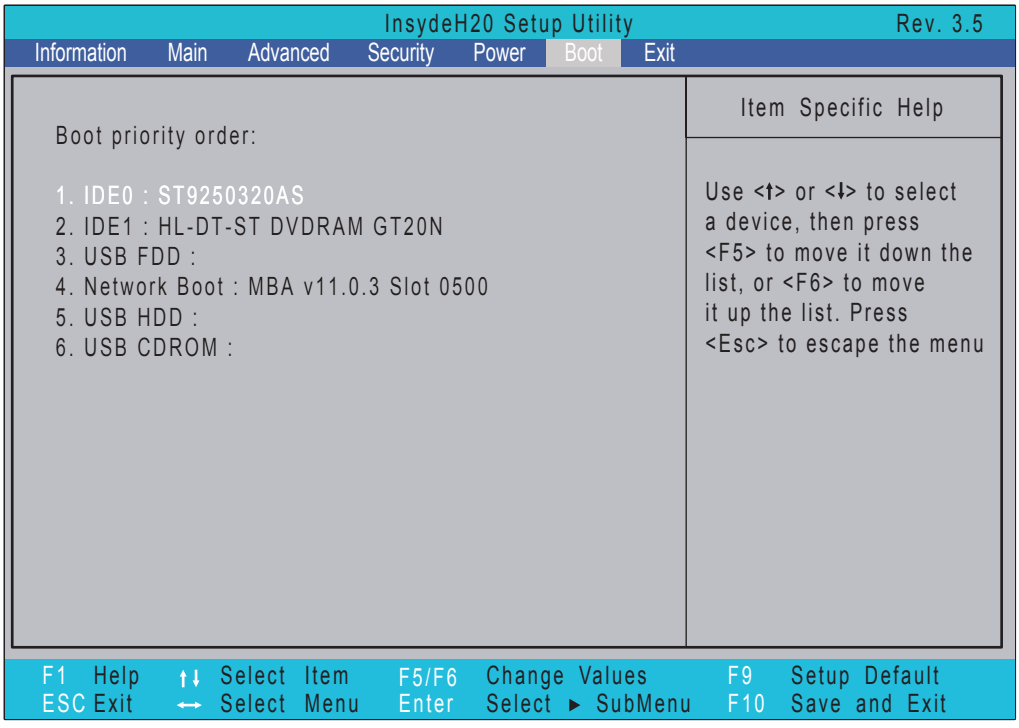
The table below describes the items, menus, and submenus in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Submenu Items
Advanced CPU Control	Enter the Advanced CPU Control menu.	• P-States (IST) • Boot performance mode • Thermal Mode • CMP Support • Use XD capability • VT Support • SMRR Support • C-States • Enhanced C-States • C-State Pop Up Mode • C-State Pop Down Mode • C4 Exit Timing Mode • Deep C4 • Hard C4E • Enable C6
Platform Power Management	Enter the Platform Power Management menu.	• PCI Clock Run

Parameter	Description	Submenu Items
Break Event	Enter the Break Event menu	• Storage Break Event • PCIE Break Event • PCI Break Event • EHCI Break Event • UHCI Break Event • HDA Break Event
ACPI S3	**Enable** or Disable ACPI S1/S3 Sleep State.	N/A
Wake on PME	**Disable** or Enable wake up when the system power is off and a PCI Power Management Enable wake up event occurs.	N/A
Wake on Modem Ring	**Disable** or Enable wake up when the system power is off and a modem attached to the serial port is ringing.	N/A
Quickly S4 Resume	**Disable** or Enable optional quick boot from S4 Resume.	N/A
Auto wake on S5	**Disable** or Enable auto wake up by date and time or at a fixed time everyday.	N/A

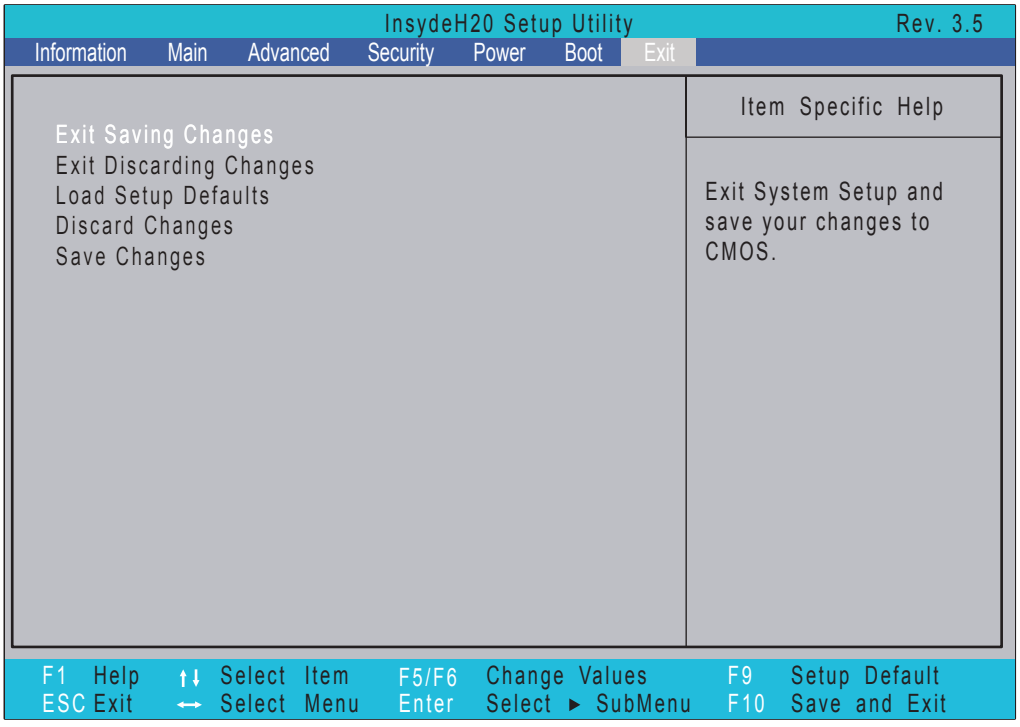
Boot

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 Utilities

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 Phlash 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.

Fellow the steps below to run the Phlash.

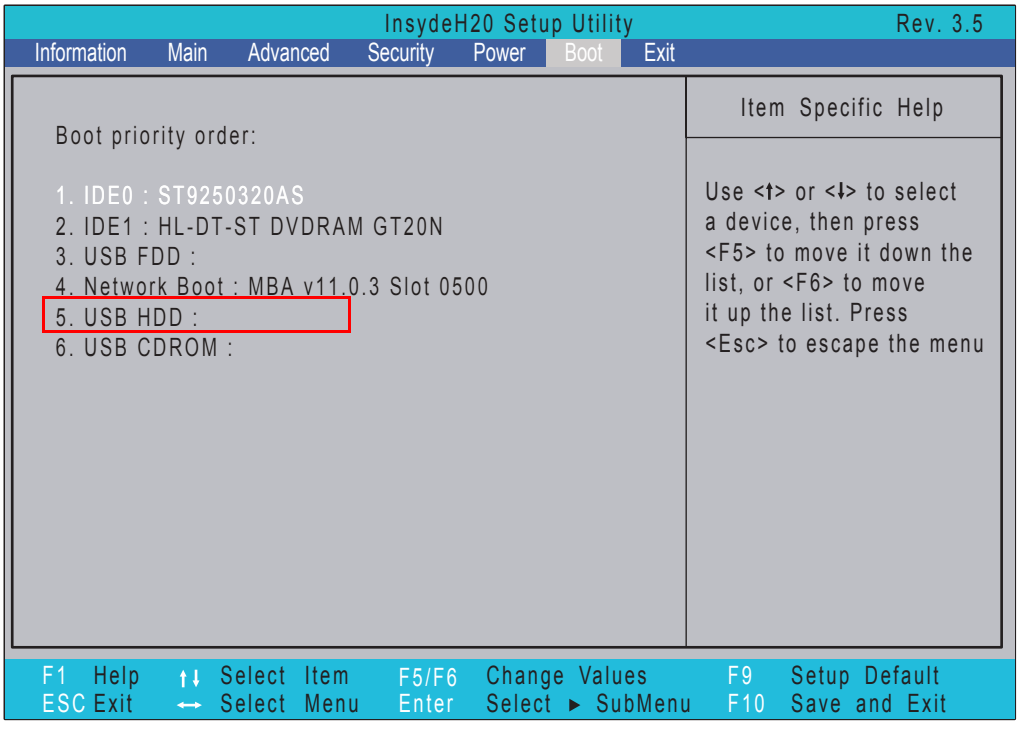
1. Prepare a bootable diskette.
2. Copy the flash utilities to the bootable diskette.
3. Then boot the system from the bootable diskette. The flash utility has auto-execution function.

DOS Flash Utility

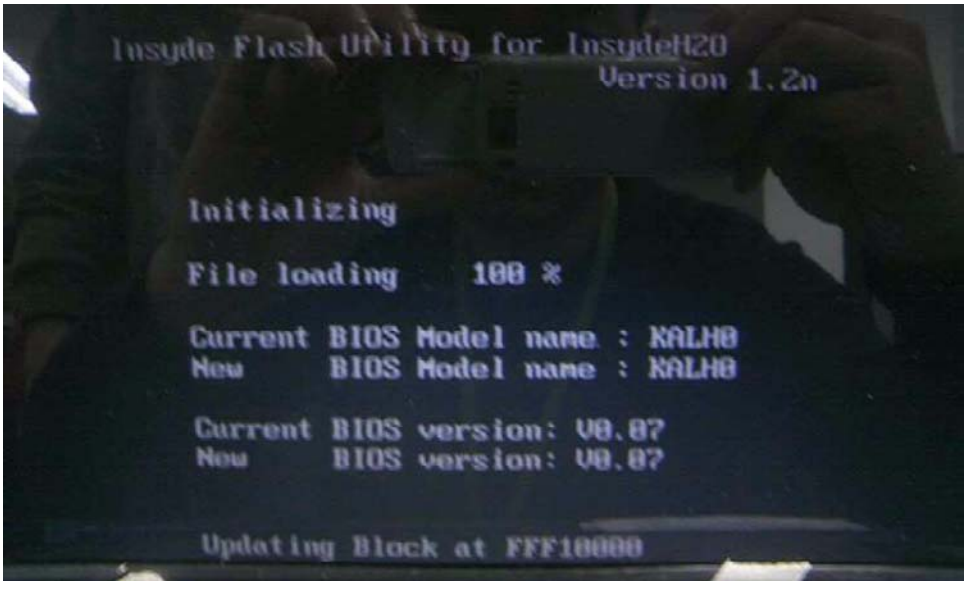
Perform the following steps to use the DOS Flash Utility:

IMPORTANT: Use USB KEY, USB HDD, DVD-RW, and HDDs that can boot to DOS mode.

1. Press **F2** during boot to enter the Setup Menu.
2. Select **Boot Menu** to modify the boot priority order, for example, if using USB HDD to Update BIOS, move USB HDD to position 1.



3. Execute the **FLASH.BAT** batch file to update BIOS.



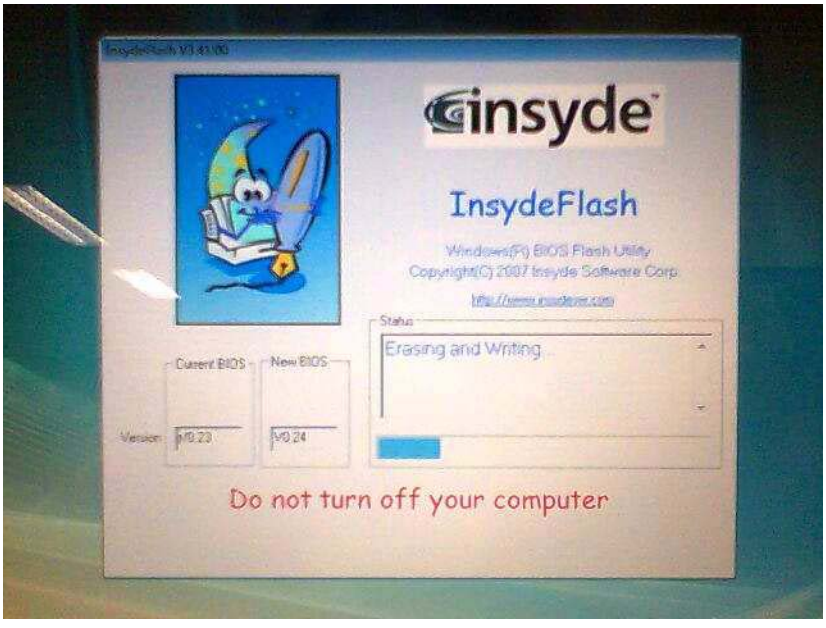
4. In flash BIOS, the message **Please do not remove AC Power Source** displays. If the AC power is not connected, the following warning displays:


1,513,327 bytes
80,109,568 bytes free
_007>flash
_007>flashit kalh0x64.fd /fe /b /dc
Warnning: No AC power connect
_007>
_007>_

WinFlash Utility

Perform the following steps to use the WinFlash Utility:

1. Double-click the WinFlash executable.
2. Click **OK** to begin the update. A progress screen displays.

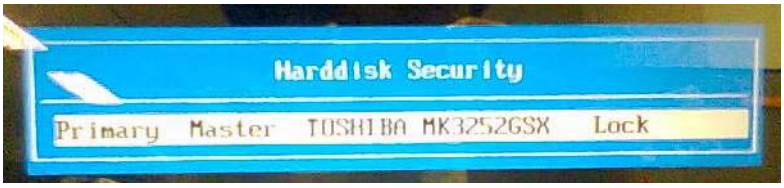


Remove HDD/BIOS Password Utilities

This section provide you with removing HDD/BIOS password method:

Remove HDD Password:

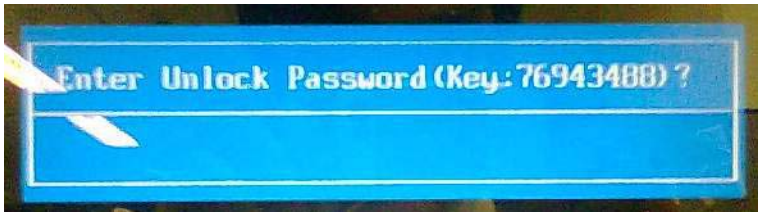
If you key in the wrong HDD password three times, an error is generated.



To reset the HDD password, perform the following steps:

1. After the error is displayed, select the **Enter Unlock Password** option on the screen.

2. An Encode key is generated for unlocking utilities. Note down this key.



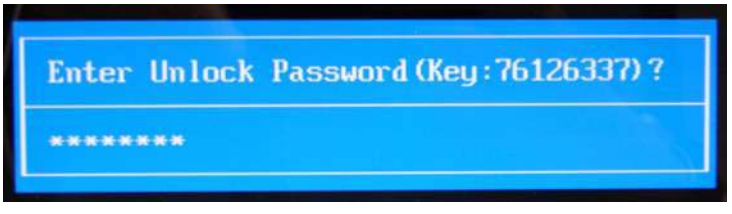
3. Execute the **UnlockHD.EXE** file to create the unlock code in DOS Mode using the format ***UnlockHD [Encode code]*** with the code noted in the previous step, as follows:

   UnlockHD 76943488

4. The command generates a password which can be used for unlocking the HDD.

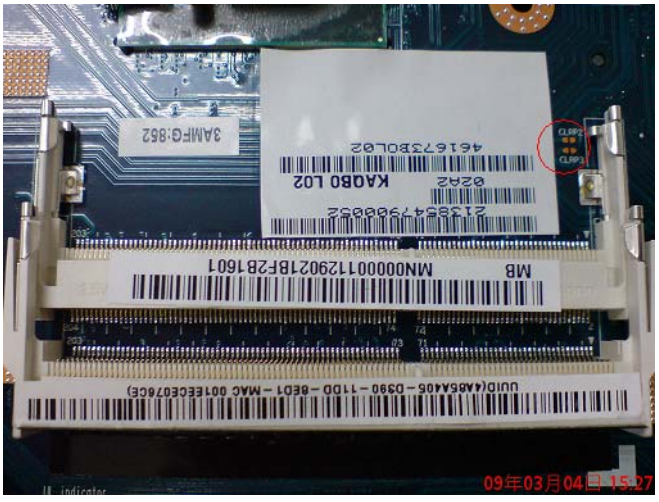
   Password : 46548274

5. Key in the password from the previous step to unlock the HDD as shown.



Removing BIOS Passwords:

To clear the User or Supervisor passwords, open the RAM door and use a metal instrument to short the **RTC_RST** jumper as shown below.



Cleaning BIOS Passwords

To clean the User or Supervisor passwords, perform the following steps:

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

Using Boot Sequence Selector

The Boot Sequence Selector allows the boot order to be changed 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.

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. Boot into DOS.
2. Execute **dmitools.exe**. The following messages are displayed on the screen to prompt the dmitools mode.
    - dmitools /r ==> Read dmi string from bios
    - dmitools /wm xxxx ==> Write manufacturer name to eeprom
    - dmitools /wp xxxx ==> Write product name to eeprom
    - dmitools /ws xxxx ==> Write serial number to eeprom
    - dmitools /wu xxxx ==> Write uuid to eeprom
    - dmitools /wa xxxx ==> Write asset tag to eeprom

The following examples show the commands and the corresponding output information.

Read DMI Information from Memory

Input:

dmitools /r

Output:

Manufacturer (Type1, Offset04h): Acer

Product Name (Type1, Offset05h): TravelMate xxxxx

Serial Number (Type1, Offset07h): 01234567890123456789

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

Asset Tag (Type3, Offset04h): Acet Asstag

Write Product Name to EEPROM

Input:

dmitools /wp Acer

Write Serial Number to EEPROM

Input:

dmitools /ws 01234567890123456789

4). Write UUID to EEPROM (Create UUID from Intel WFM20.pdf)

Input:

dmitools /wu

5). Write Asset Tag to EEPROM

Input:

dmitools /wa Acet Asstag

NOTE: When using any of the Write options, restart the system to make the new DMI data effective.

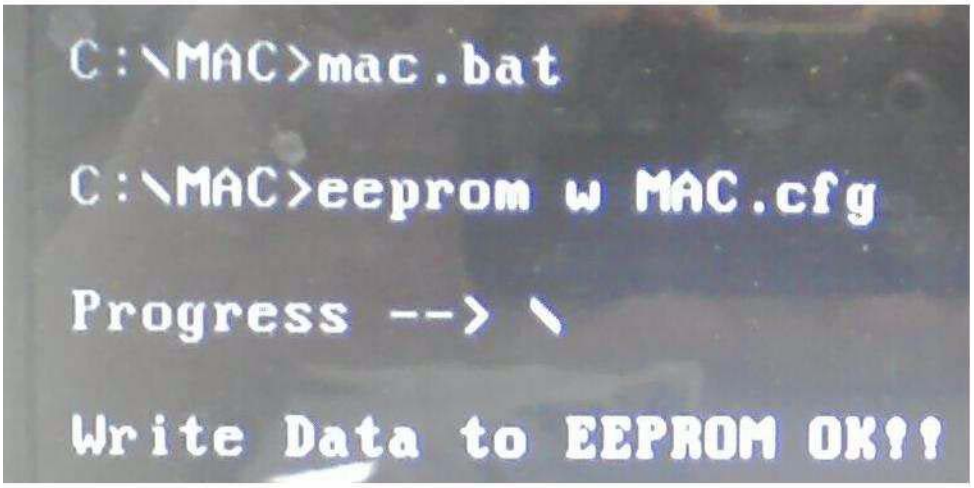
Using the ICW50/ICY70 LAN MAC Utility

You can use the MAC.BAT utility to write the MAC.CFG file to the EEPROM under DOS mode.

1. Use a text editor (for example: Notepad) to open the MAC.CFG file. You can see the MAC.CFG contents as below:

WriteData = ‘001122334455'	MAC value
StartAddr=7A	MAC address
WriteLeng=6	MAC value length
KeepByte=0	don’t care

2. In DOS mode, run the **MAC.BAT** file to write MAC values to eeprom.



Machine Disassembly and Replacement

IMPORTANT: The outside housing and color may vary from the mass produced model.

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.

IMPORTANT: Various images depict the use of a regular metal screwdriver, however, a plastic screwdriver is advised when disassembling parts near or around the motherboard and to prevent scratching of the computer surface.

General Information

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 stages:

- External module 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 main board, you must first remove the keyboard, then disassemble the inside assembly frame in that order.

Main Screw List

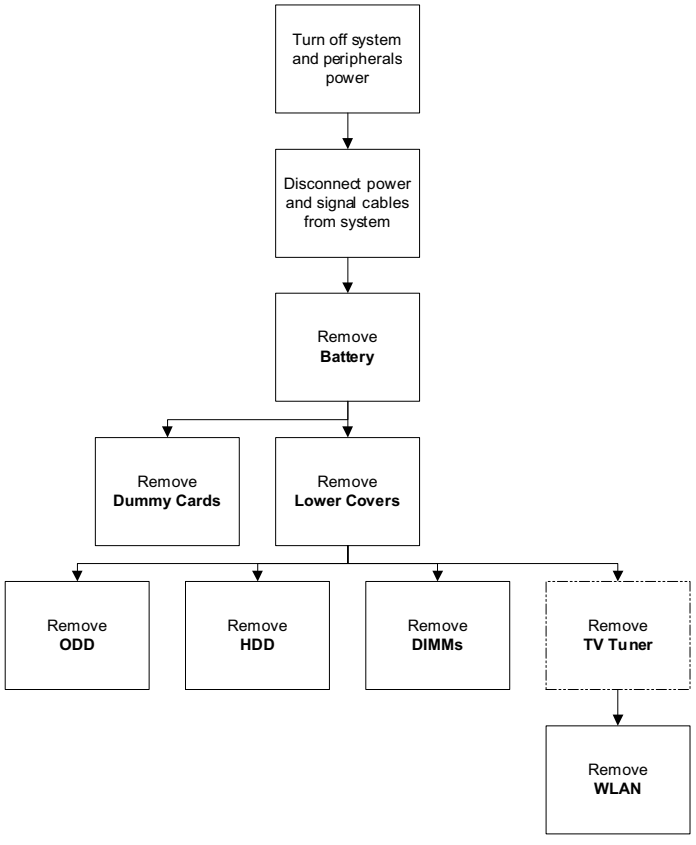
Screw	Quantity	Part Number
SCREW M2.5*3	23	86.PH702.001
SCREW M2*3	8	86.PH702.002
SCREW M2.5*3	23	86.PH702.003
SCREW M3*3	4	86.PH702.004
SCREW M2.5*5	12	86.PH702.005
SCREW M2.5*8	18	86.PH702.006

External Module Disassembly Process

IMPORTANT: The outside housing and color may vary from the mass produced model.

External Modules Disassembly Flowchart

The flowchart below gives you a graphic representation on the entire disassembly sequence and instructs you on the components that need to be removed during servicing. For example, if you want to remove the main board, you must first remove the keyboard, then disassemble the inside assembly frame in that order.



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

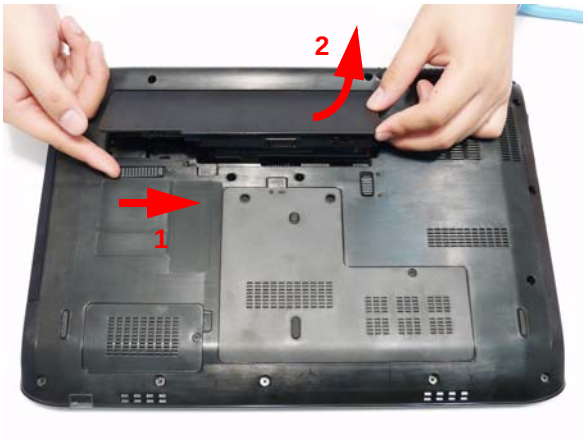
Screw List

Step	Screw	Quantity	Part No.
ODD	M2.5*5	1	86.PH702.005
	M2*3	2	86.PH702.002
HDD	M3*3	4	86.PH702.004
TV Tuner (optional)	M2*3	2	86.PH702.002
WLAN Module	M2*3	2	86.PH702.002

Removing the Battery Pack

1. Turn the computer over.
2. Slide the battery lock to the unlocked position.

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



Removing the Express Dummy Card

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

2. Pull the card out from the slot.

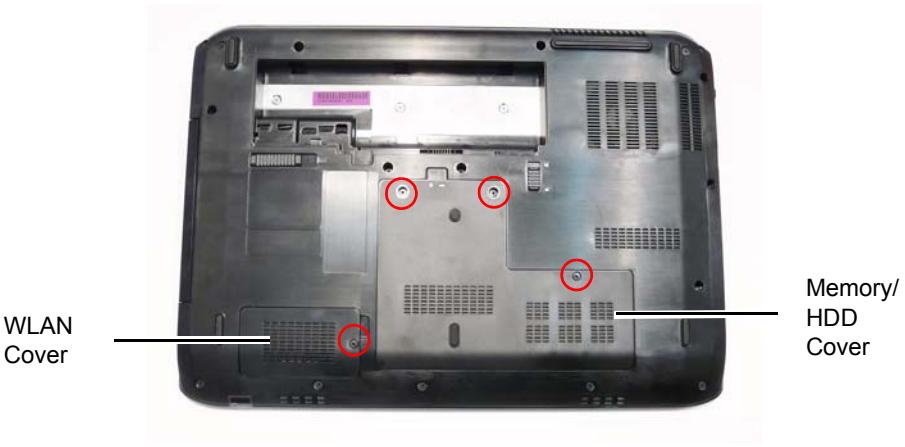
Removing the SD Dummy Card

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

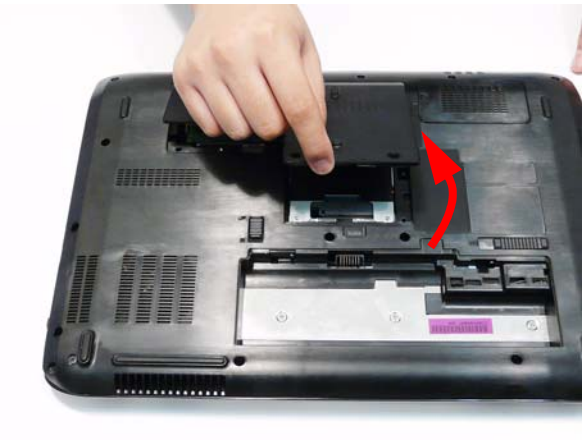
2. Pull the card out from the slot.

Removing the Lower Covers

1. See “Removing the Battery Pack” on page 48.
2. Loosen the four captive screws in the Memory/HDD and WLAN covers.



3. Carefully open the Memory/HDD cover.



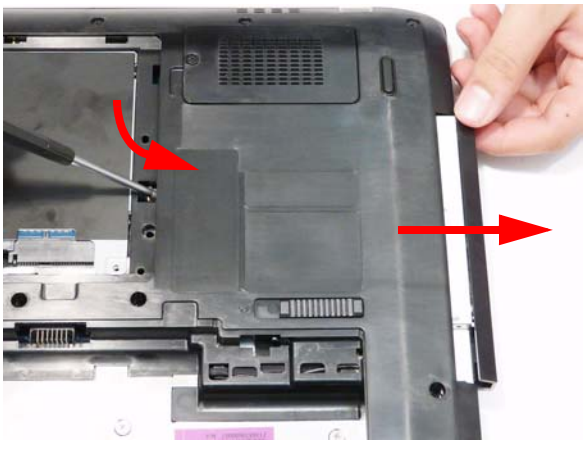
4. Carefully open the WLAN cover.

Removing the Optical Drive Module

1. See “Removing the Lower Covers” on page 51.
2. Remove the single screw securing the ODD module.

Step	Size	Quantity	Screw Type
ODD Module	M2.5*5	1	

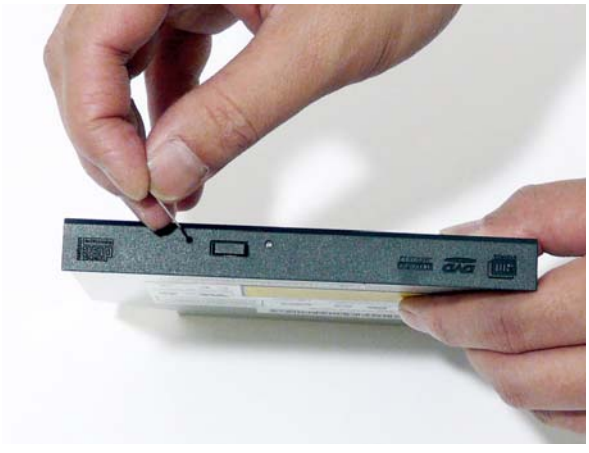
3. Insert a suitable object in to the Lower Cover to push the ODD Module clear of the casing.
4. Pull the ODD Module out of the chassis.



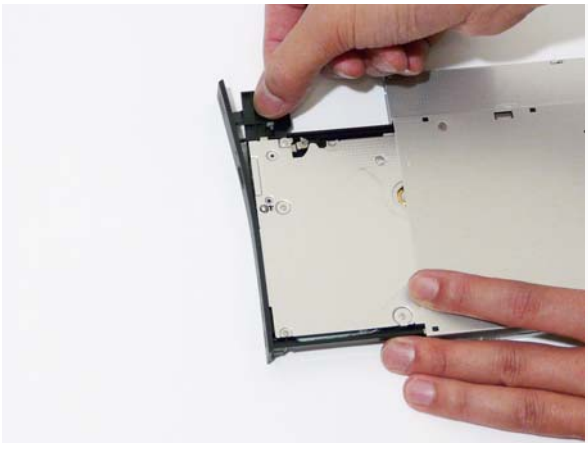
5. Remove the two screws securing the ODD Bracket and remove the ODD bracket from the module.

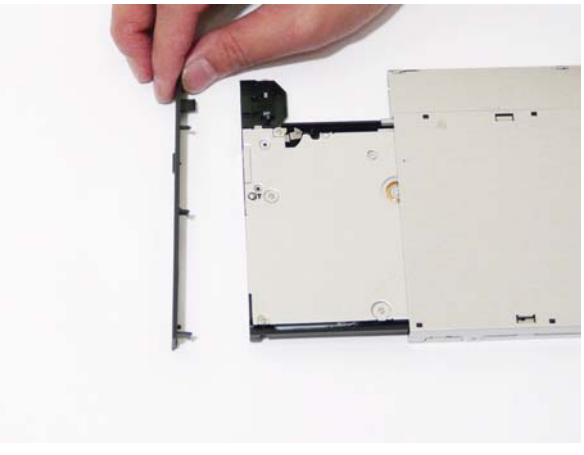
Step	Size	Quantity	Screw Type
ODD Bracket	M2*3	2	

6. Insert a pin in the eject hole of the ODD to eject the ODD tray.



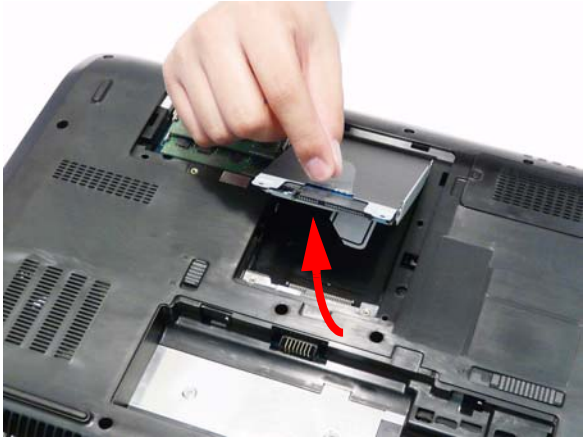
7. Press down on the locking catch to release the ODD cover and remove.



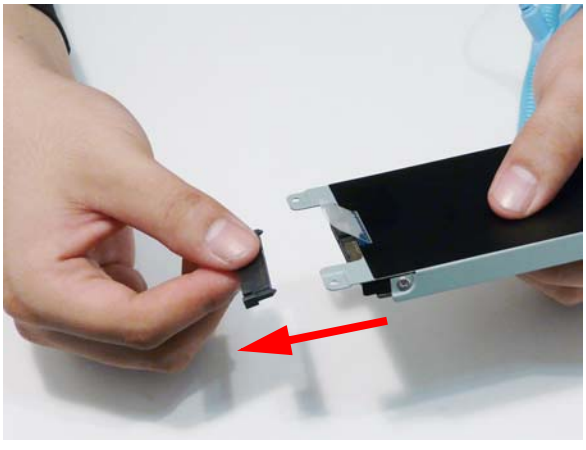


Removing the Hard Disk Drive Module

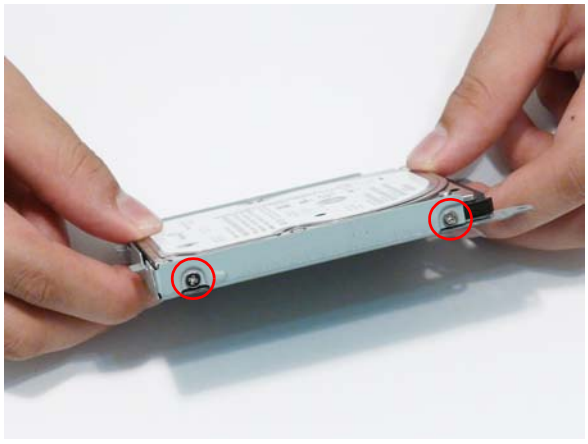
1. See “Removing the Lower Covers” on page 51.
2. Use the pull-tab to lift the HDD and disconnect the interface.

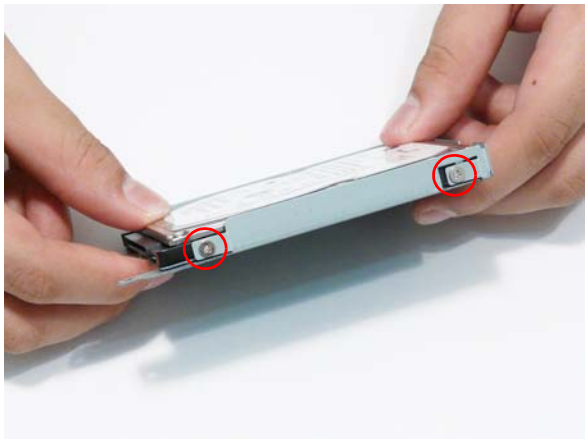


3. Lift the hard disk drive module out of the bay.
   NOTE: To prevent damage to device, avoid pressing down on it or placing heavy objects on top of it.
4. Remove the vertical interface connector as shown.



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



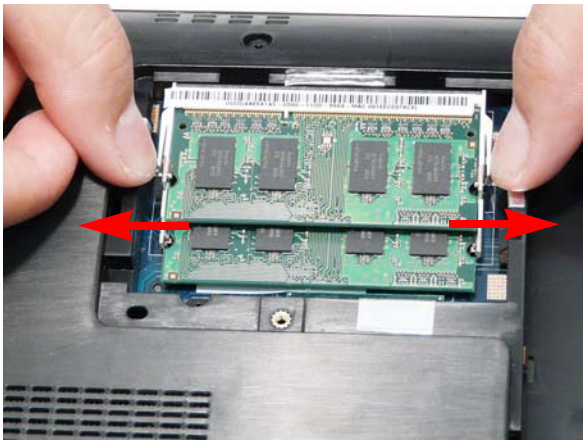


Step	Size	Quantity	Screw Type
HDD Carrier	M3*3	4	

6. Remove the HDD from the carrier.

Removing the DIMM Modules

1. See “Removing the Lower Covers” on page 51.
2. Push out the release latches on both sides of the DIMM socket to release the DIMM module.



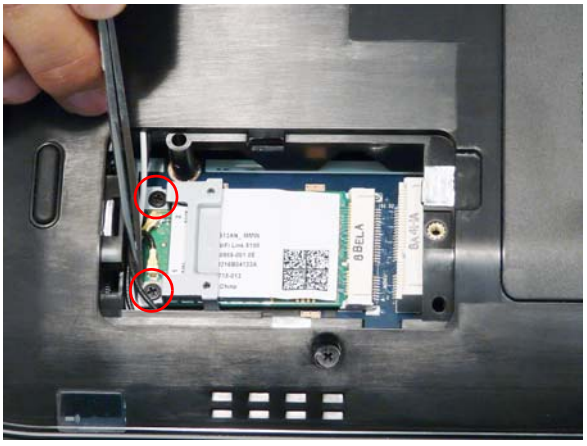
3. Remove the DIMM module.

4. Repeat steps for the second DIMM module if present.

Removing the WLAN Module

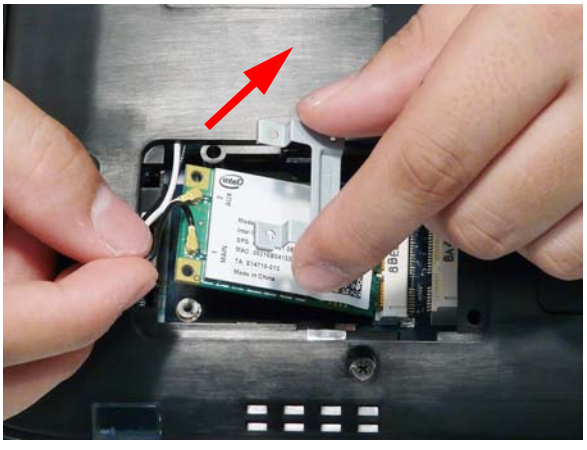
IMPORTANT: If the model purchased supports TV Tuner functionality, remove the TV Tuner Module before removing the WLAN Module.

1. See “Removing the Lower Covers” on page 51.
2. Remove the two screws securing the Mini-Card Bracket and WLAN Module to the Mainboard



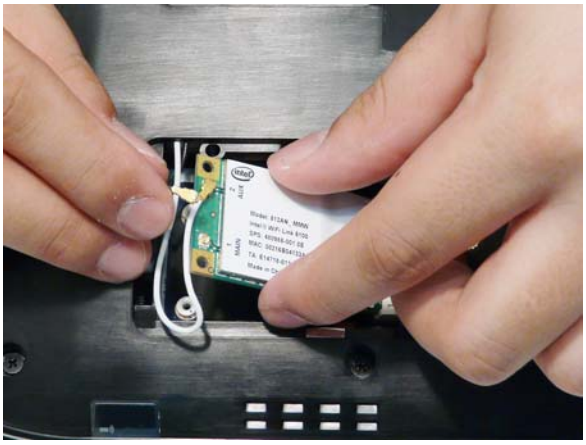
Step	Size	Quantity	Screw Type
WLAN Module	M2*3	2	

3. Remove the Mini-Card Bracket as shown.

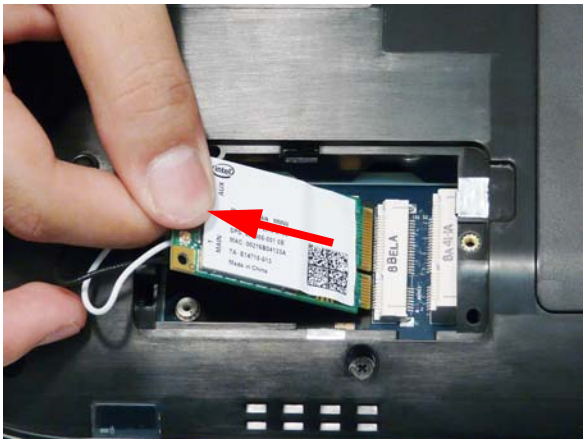


4. Disconnect the antenna cables from the WLAN Module.

IMPORTANT: The black cable attaches to the **MAIN** terminal and the white cable attaches to the **AUX** terminal.



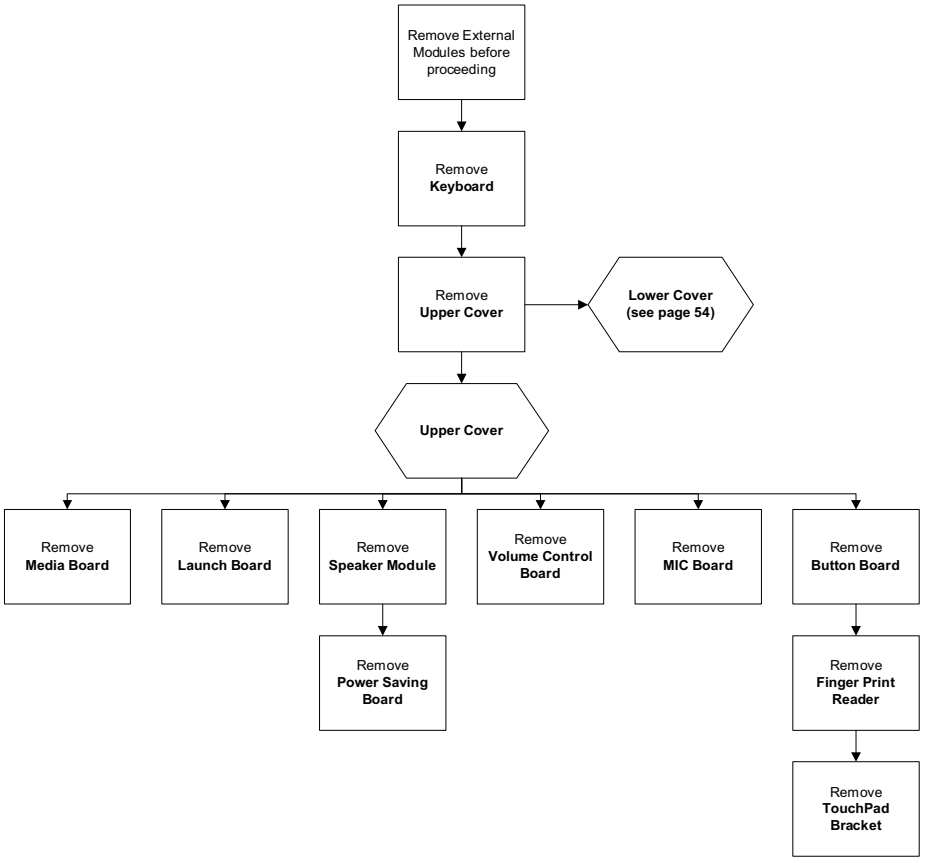
5. Detach the WLAN Module from the WLAN socket.



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

Main Unit Disassembly Process

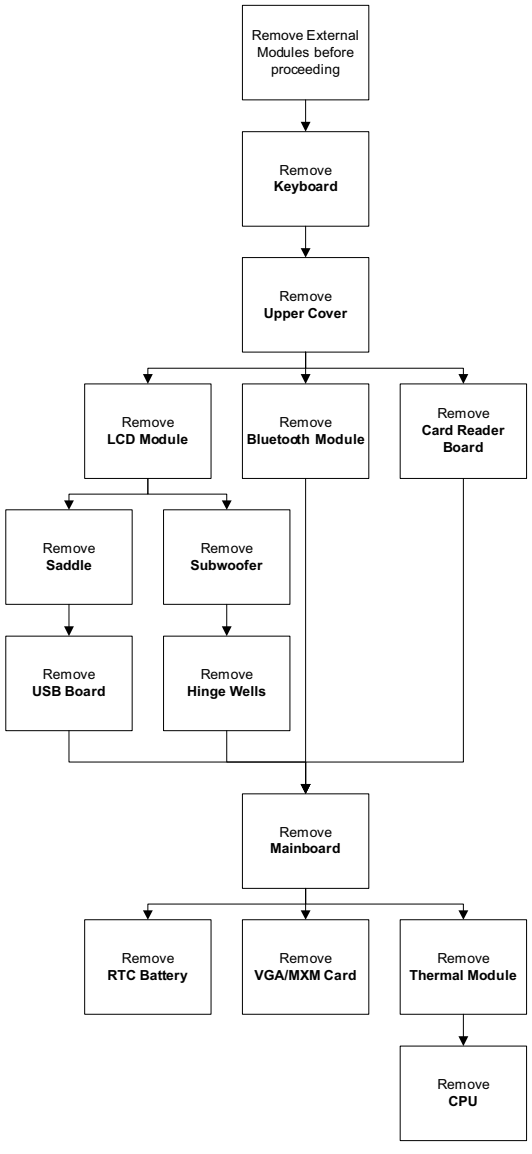
Upper Cover Disassembly Flowchart



Screw List

Step	Screw	Quantity	Part No.
Upper Cover	M2.5*8	18	86.PH702.006
	M2.5*5	2	86.PH702.005
	M2.5*3	3	86.PH702.003
	M2.5*5	1	86.PH702.005
Speaker Module	M2.5*3	4	86.PH702.003
Power Saving Board	M2.5*3	2	86.PH702.003
Volume Control Board	M2.5*3	2	86.PH702.003
Button Board	M2.5*5	2	86.PH702.005
Finger Print Reader	M2*3	2	86.PH702.002
TouchPad Bracket	M2.5*3	2	86.PH702.003

Lower Cover Disassembly Flowchart



Screw List

Step	Screw	Quantity	Part No.
LCD Module	M2.5*5	4	86.PH702.005
Right Saddle	M2.5*5	2	86.PH702.005
USB Board	M2.5*3	1	86.PH702.003
Card Reader Board	M2.5*3	4	86.PH702.003
Hinge Wells	M2.5*3	2	86.PH702.003
Mainboard	M2.5*3	1	86.PH702.003
VGA/MXM	M2.5*3	1 or 2	86.PH702.003
Thermal Module	CPU_SCREW_SPRIN	5	

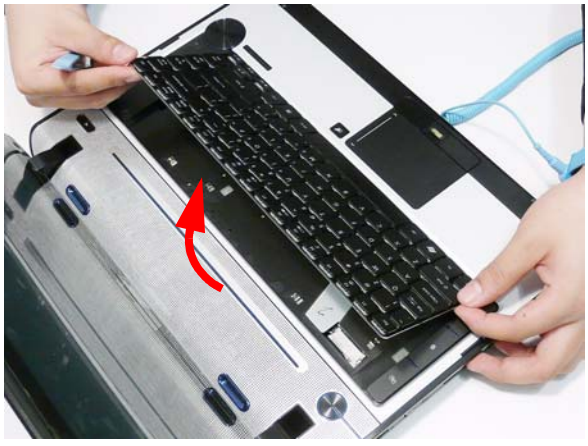
Removing the Keyboard

1. Locate the five securing clips on the top edge of the Keyboard.

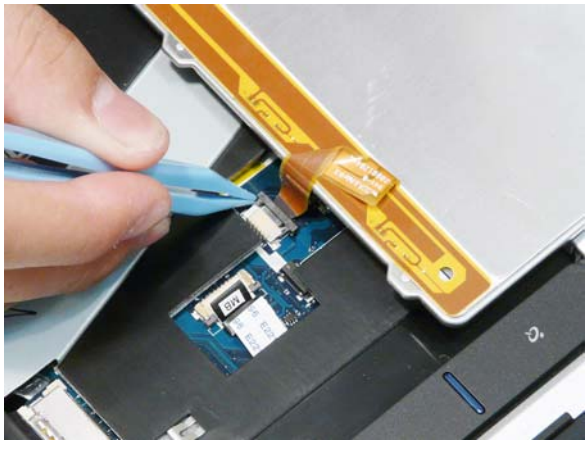
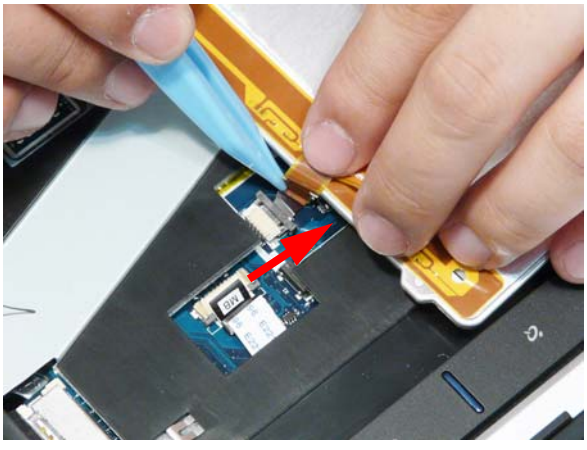
2. Starting with the central clip, release all five securing clips by pressing down with a suitable plastic tool.

3. Pry up the centre of the Keyboard as shown.

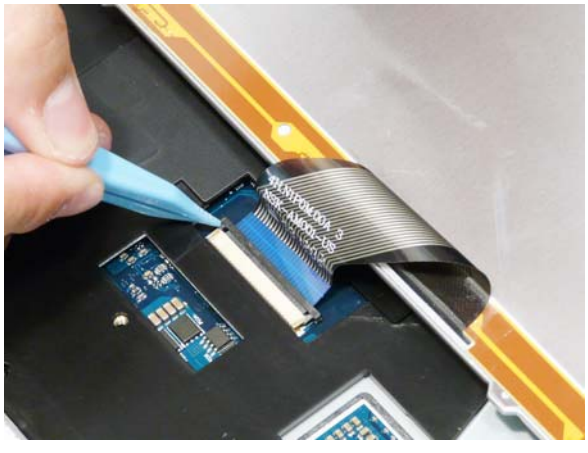
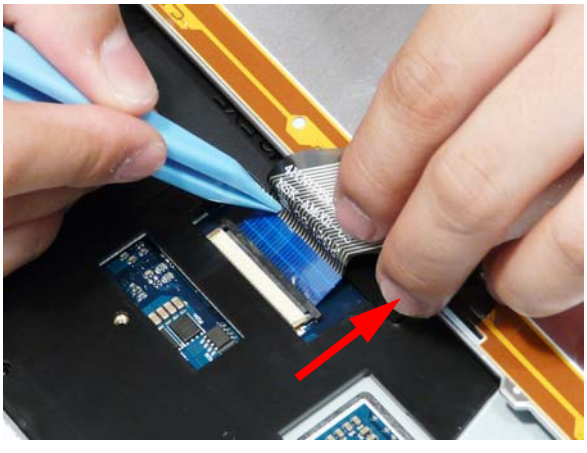
4. Rotate the Keyboard upward away from the Upper Cover and place it face down on the TouchPad area.




5. Open the Keyboard backlight FFC connector and disconnect the FFC.

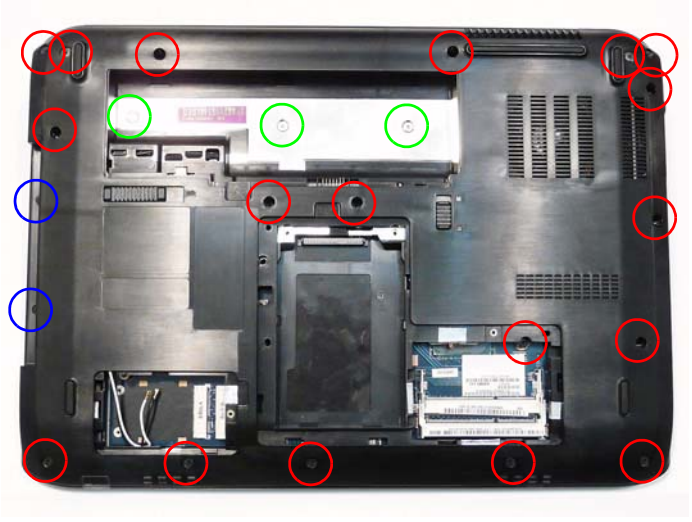
6. Open the Keyboard FFC connector and disconnect the FFC.

7. Remove the Keyboard from the Upper Cover.

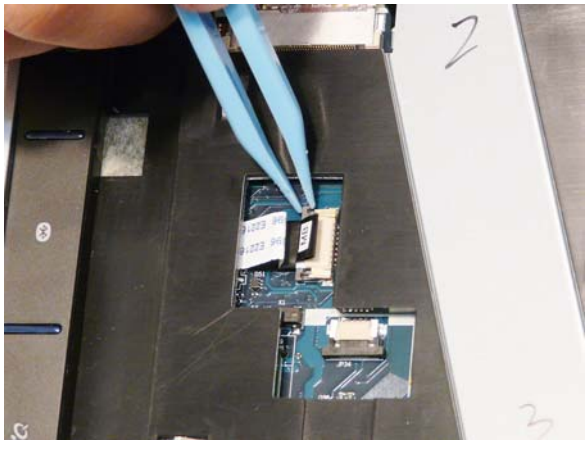
Removing the Upper Cover

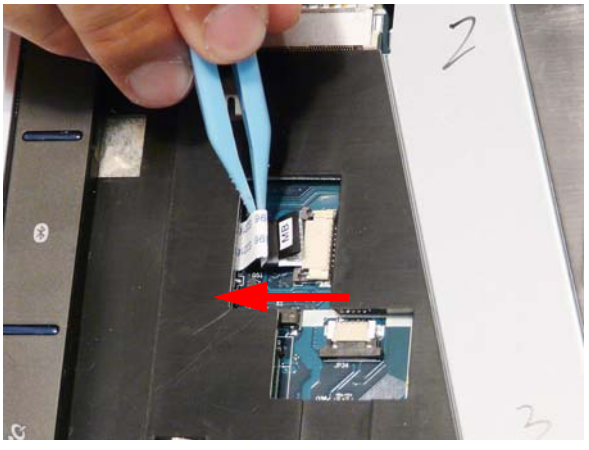
1. See “Removing the Keyboard” on page 61.
2. Turn the computer over. Remove the twenty-three screws on the bottom panel.



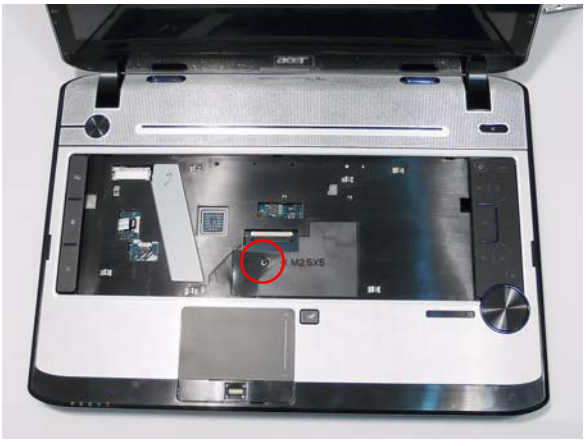
Step	Size	Quantity	Screw Type
Upper Cover (red callout)	M2.5*8	18	
Upper Cover (blue callout)	M2.5*5	2	
Upper Cover (green callout)	M2.5*3	3	

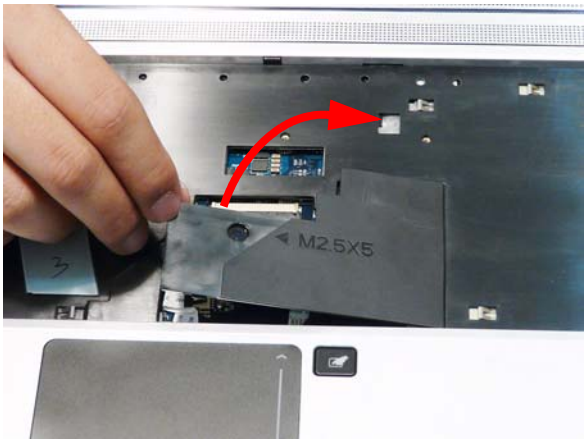
3. Turn the computer over. Open the Launch Board FFC connector and disconnect the FFC.





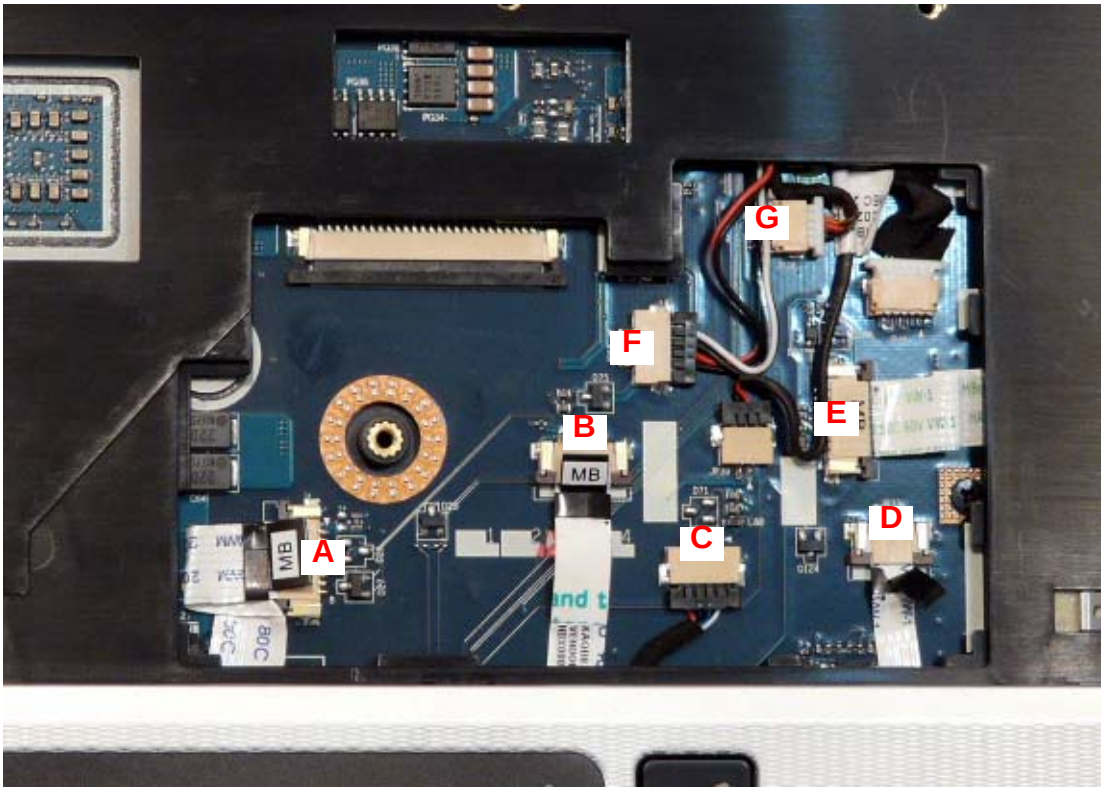
4. Remove the single screw securing the Keyboard Cover to the Upper Cover, and remove the Keyboard Cover.





Step	Size	Quantity	Screw Type
Keyboard Cover	M2.5*5	1	

5. Disconnect the following FFCs (A, B, D, and E) and cables (C, F, and G) from the Mainboard.



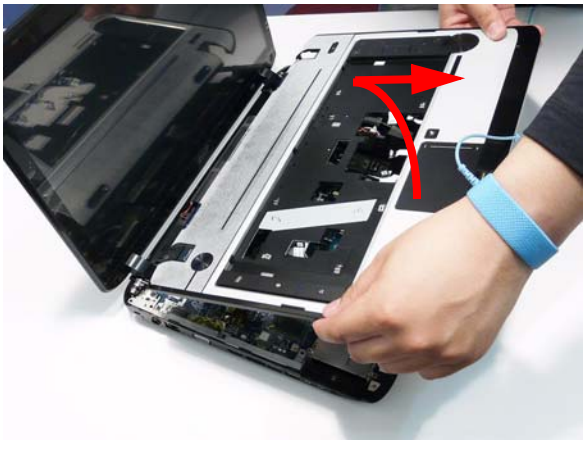
NOTE: Avoid pulling on cables directly to prevent damage to the connectors.

NOTE: Use the pull-tabs on FFC cables whenever available to prevent damage.

6. Starting on the front left side of the casing and working along toward the right, pry the upper and lower covers apart as shown.

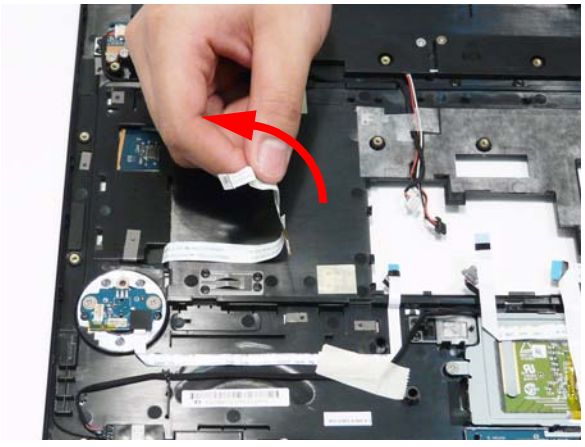

7. Work along the casing on the right and left sides toward the back edge, prying apart the casing.


8. Remove the Upper Cover as shown.

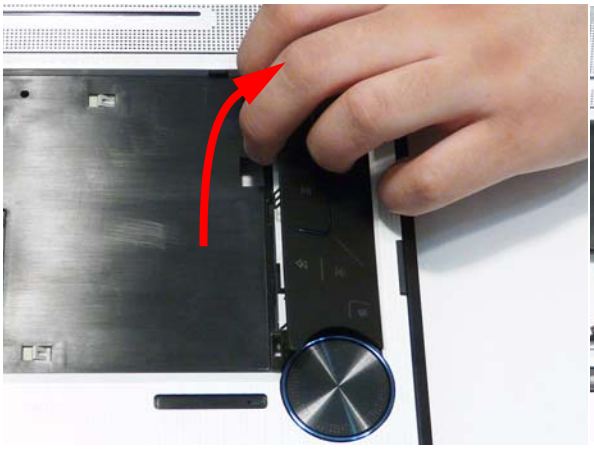


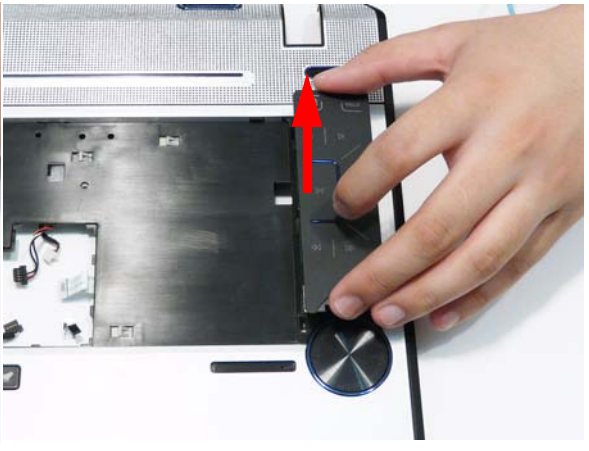
Removing the Media Board

1. See “Removing the Upper Cover” on page 63.
2. Turn the Upper Cover over and lift the Media Board FFC to disconnect the adhesive.

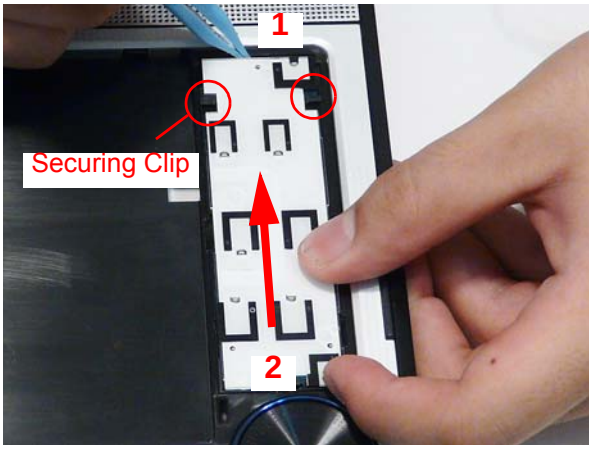


3. Turn the Upper Cover over. Lift the Media Board cover, left side first, and remove the cover from the Upper Cover.

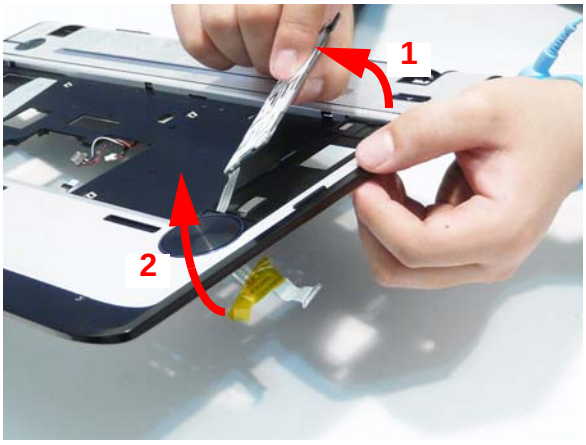




4. Press down the securing latch (1) and push the Media Board in the direction of the arrow (2) to disengage the securing clips.

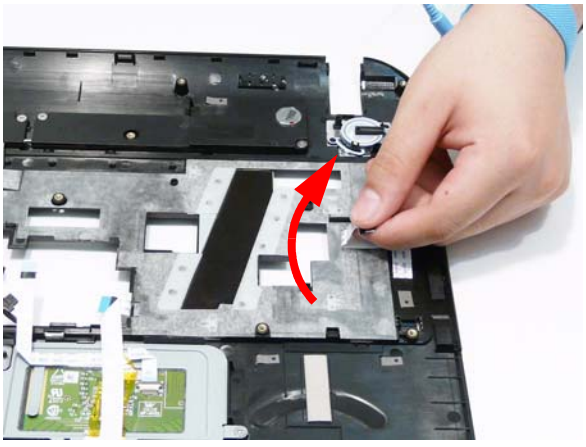


5. Lift the Media Board away from the Upper Cover (1) and feed the FFC through the Upper Cover (2) to remove the Media Board.

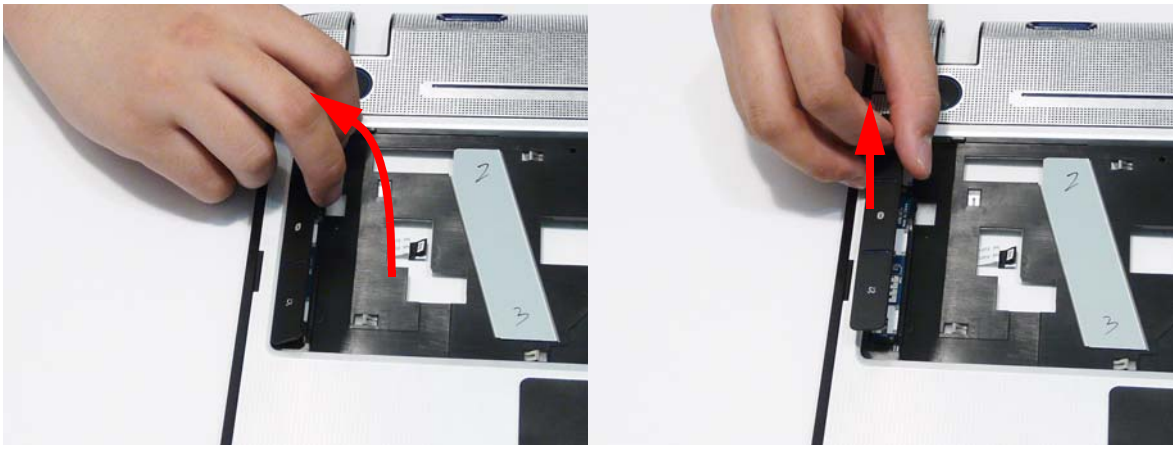


Removing the Launch Board

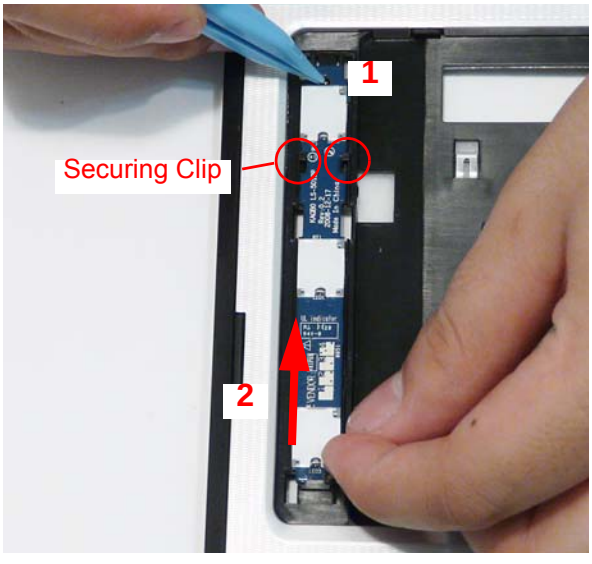
1. See “Removing the Upper Cover” on page 63.
2. Turn the Upper Cover over and lift the Launch Board FFC to disconnect the adhesive.



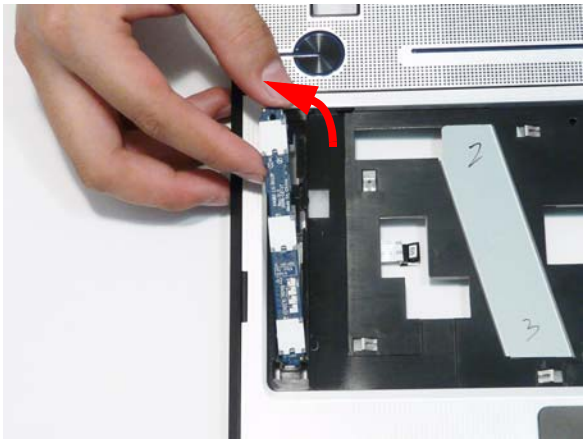
3. Turn the Upper Cover over. Lift the Launch Board cover, left side first, and remove the cover from the Upper Cover.



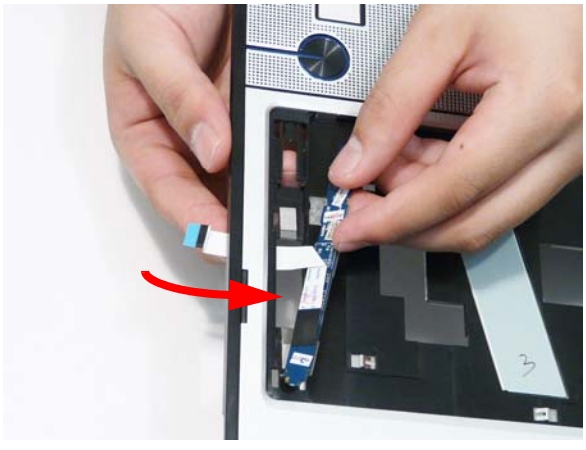
4. Press down the securing latch (1) and push the Launch Board in the direction of the arrow (2) to disengage the securing clips.



5. Lift the Launch Board away from the Upper Cover.

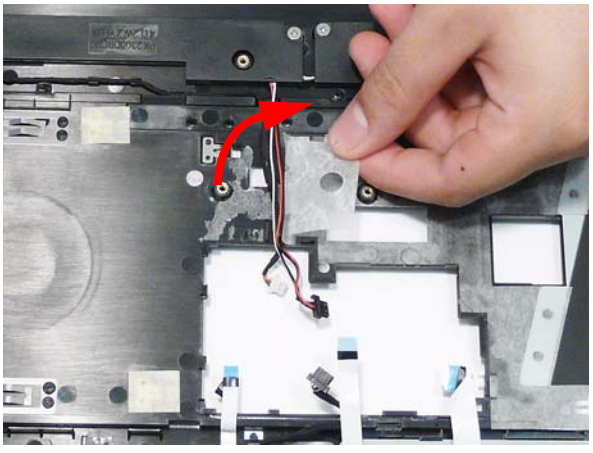


6. Feed the FFC through the Upper Cover to remove the Launch Board

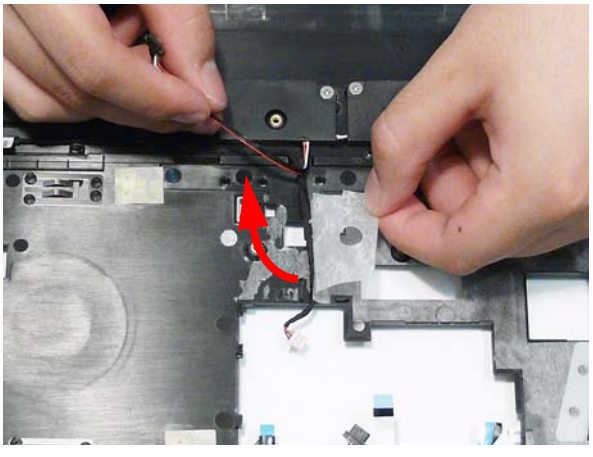


Removing the Speaker Module

1. See “Removing the Upper Cover” on page 63.
2. Lift the mylar covering to expose the Speaker cable as shown.



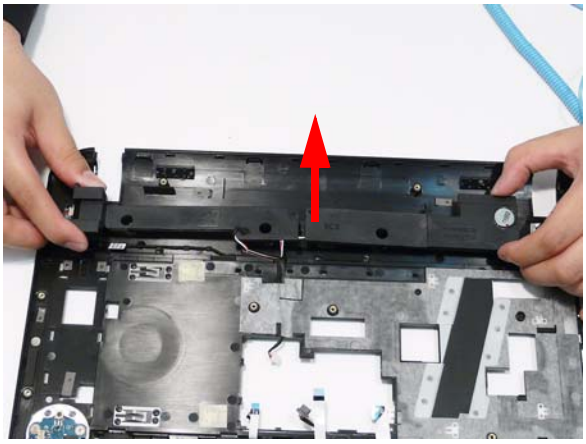
3. Remove the Speaker cable from the cable channel as shown.



4. Remove the four securing screws from the Speaker module.

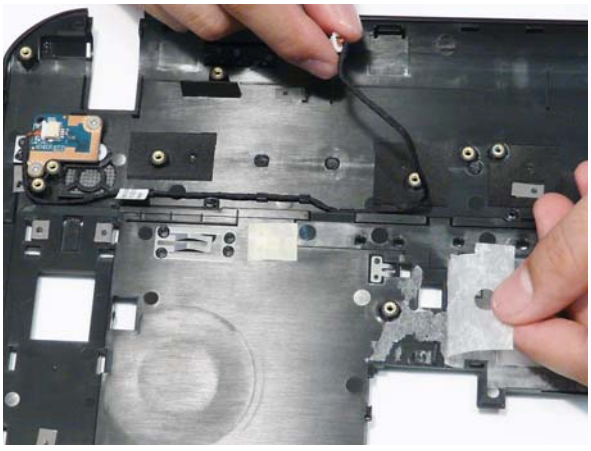
Step	Size	Quantity	Screw Type
Speaker Module	M2.5*3	4	

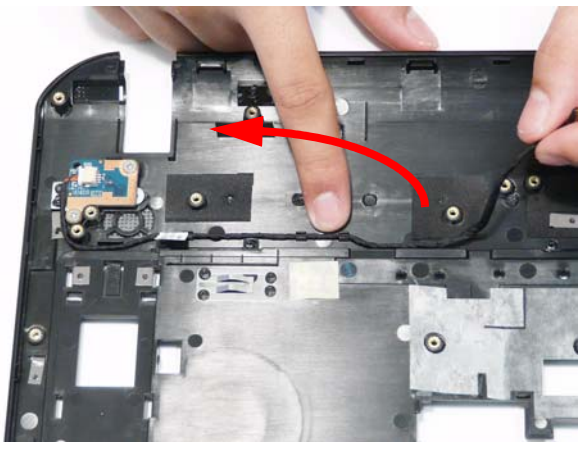
5. Using both hands, lift the Speaker Module upward to remove it from the Upper Cover.



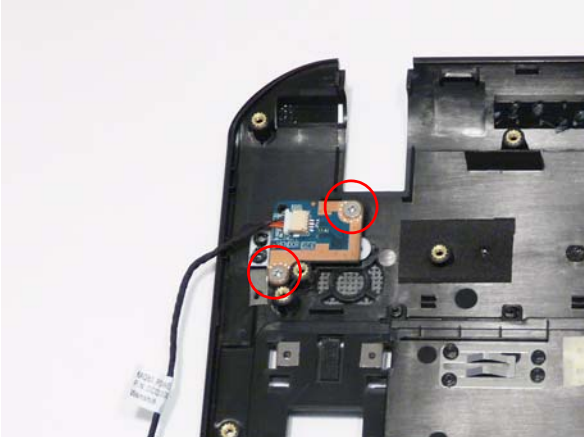
Removing the Power Saving Board

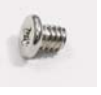
1. See “Removing the Speaker Module” on page 70.
2. Remove the Power Saving Board cable from the cable channel as shown.



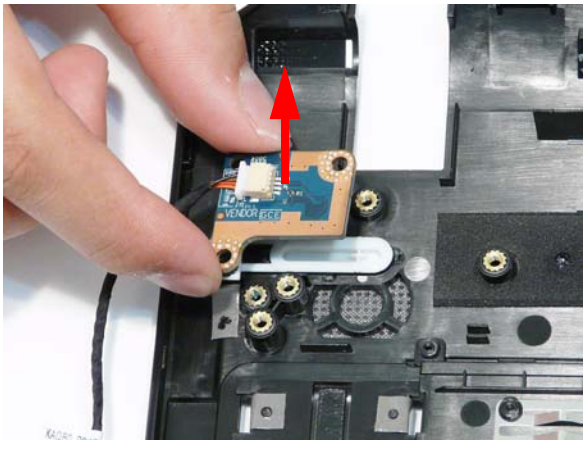


3. Remove the two securing screws from the board.

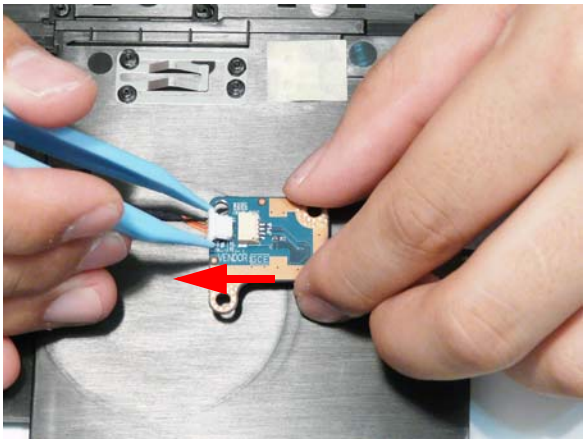


Step	Size	Quantity	Screw Type
Power Saving Board	M2.5*3	2	

4. Remove the board from the chassis.

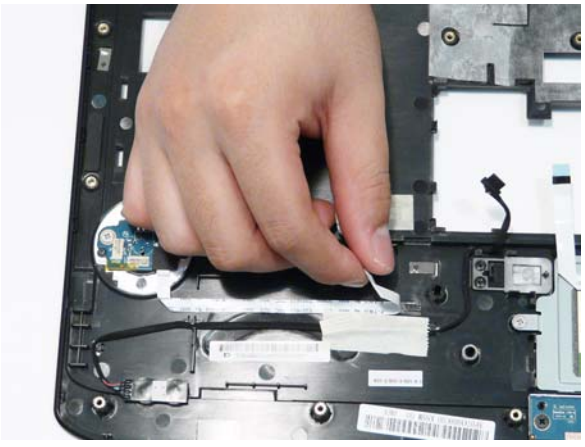


5. Disconnect the cable from the Power Saving Board as shown.

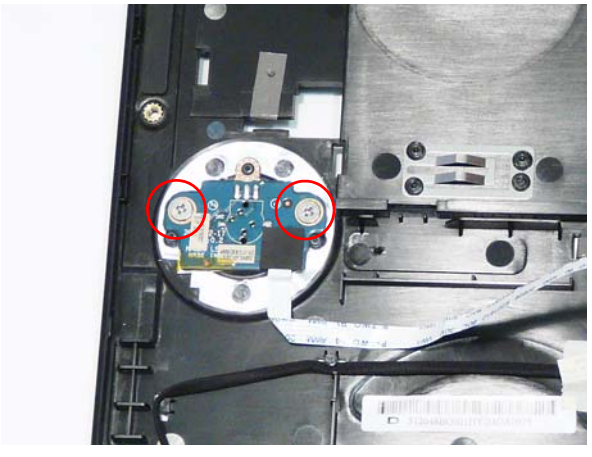


Removing the Volume Control Board

1. See “Removing the Upper Cover” on page 63.
2. Lift the Volume Control Board FFC away from the Upper Cover to detach the adhesive.

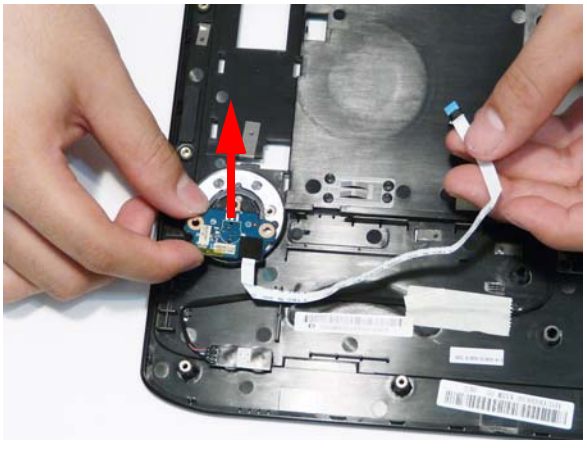


3. Remove the two screws securing the board to the Upper Cover.



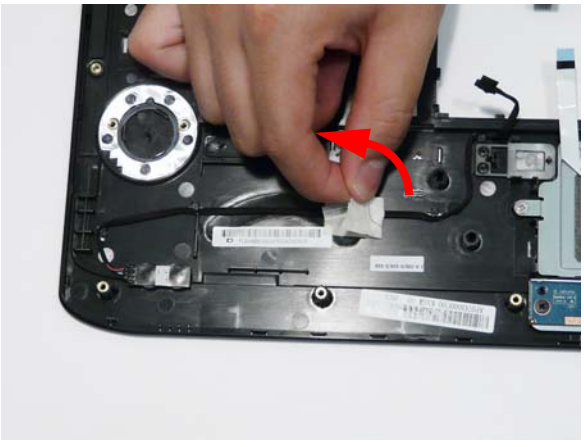
Step	Size	Quantity	Screw Type
Volume Control Board	M2.5*3	2	

4. Lift the board clear of the Upper Cover.

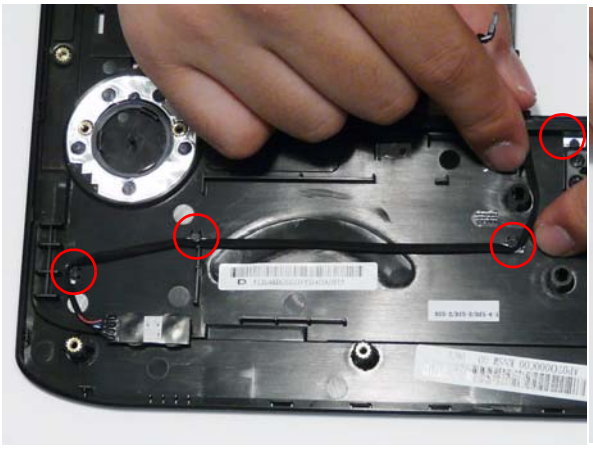


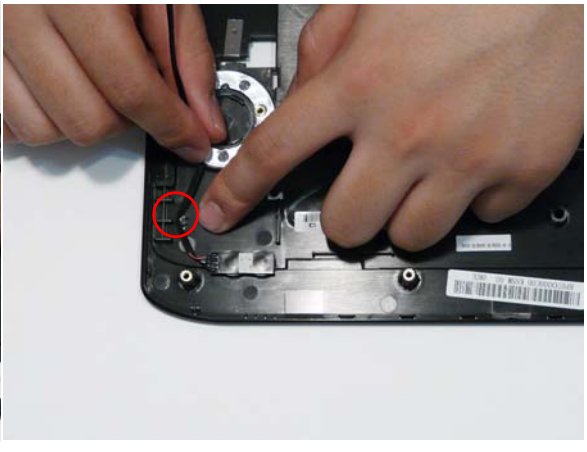
Removing the MIC Board

1. See “Removing the Upper Cover” on page 63.
2. Remove the adhesive tape securing the MIC cable to the Upper Cover.

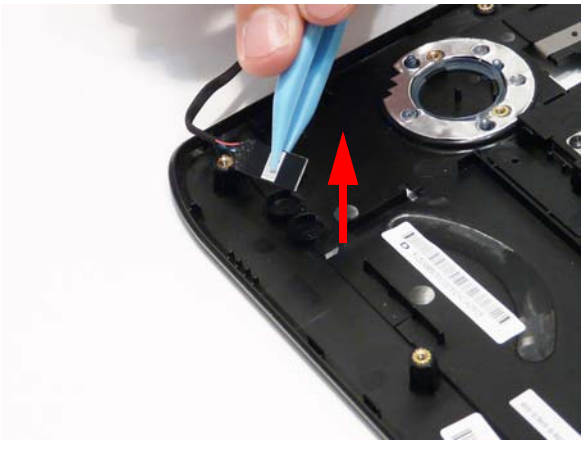


3. Remove the MIC cable from the cable channel as shown. Ensure that the cable is free from all cable clips.



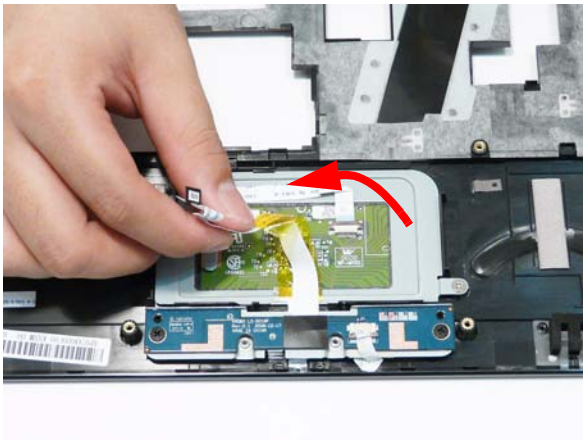


4. Lift the MIC Board clear of the Upper Cover as shown.

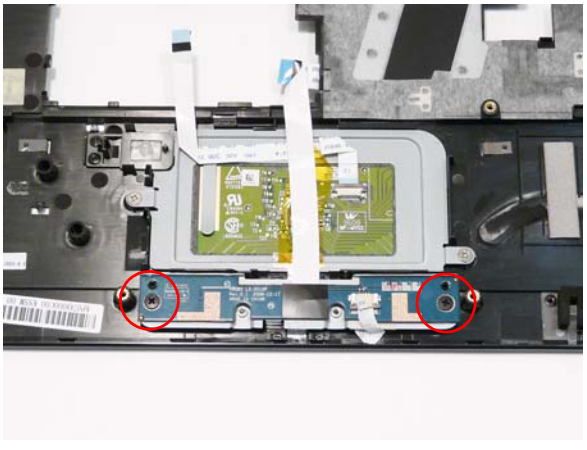


Removing the Button Board and Finger Print Reader

1. See “Removing the Upper Cover” on page 63.
2. Lift the Button Board FFC to detach the adhesive holding it in place.

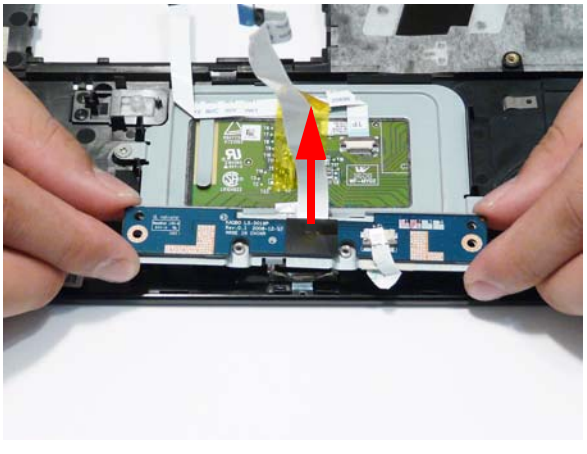


3. Remove the two screws securing the Button Board and Finger Print Reader to the Upper Cover.

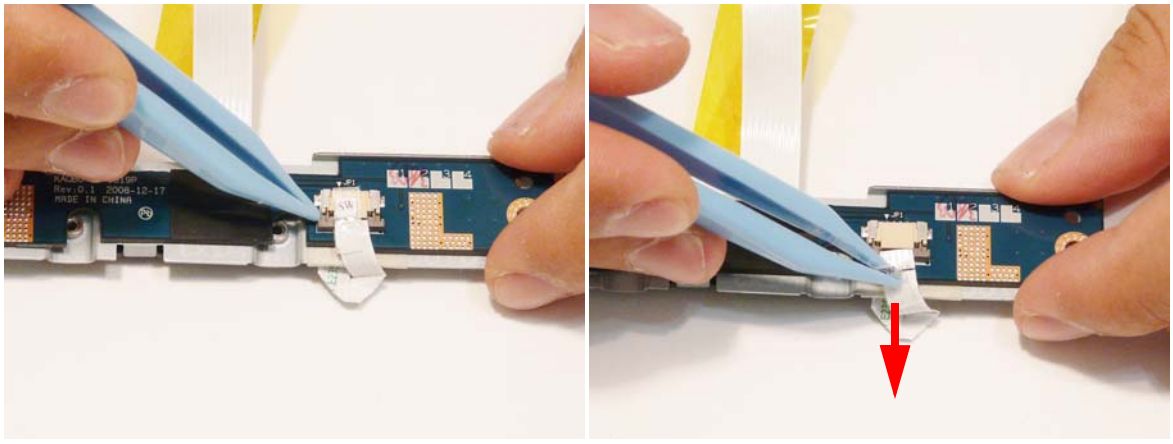


Step	Size	Quantity	Screw Type
Button Board	M2.5*5	2	

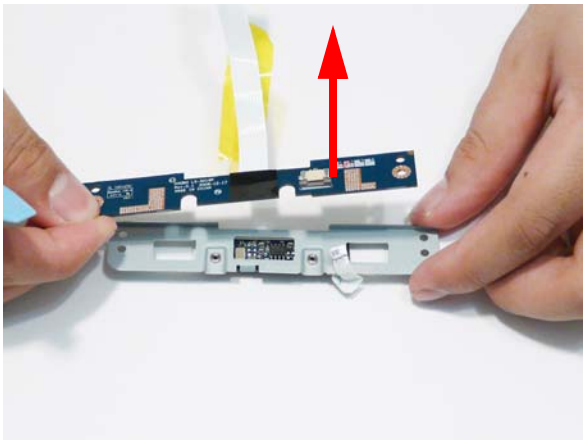
4. Lift the modules clear of the Upper Cover.



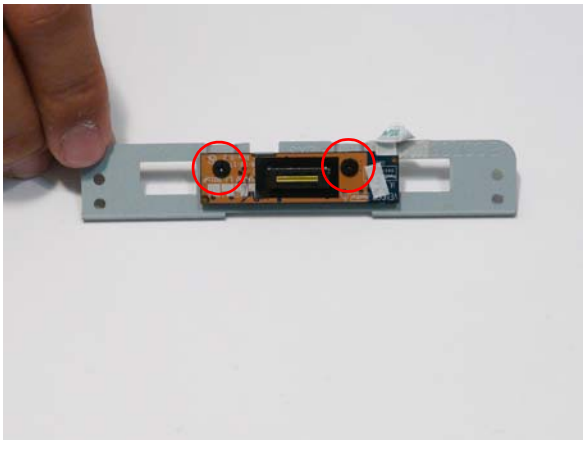
5. Open the FFC locking latch and disconnect the Finger Print Reader FFC from the Button Board.



6. Remove Button Board from the bracket.

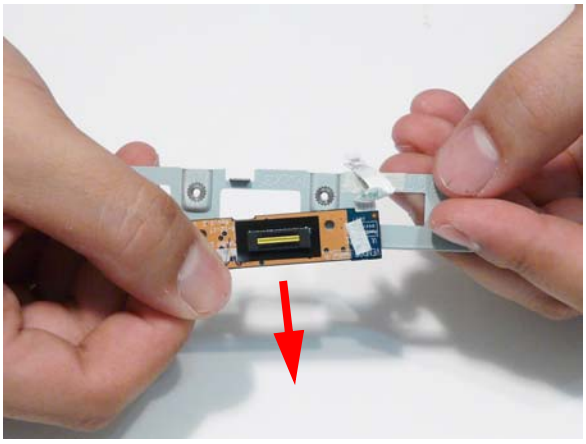


7. Turn the bracket over and remove the two screws securing the Finger Print Reader to the bracket.



Step	Size	Quantity	Screw Type
Finger Print Reader	M2*3	2	

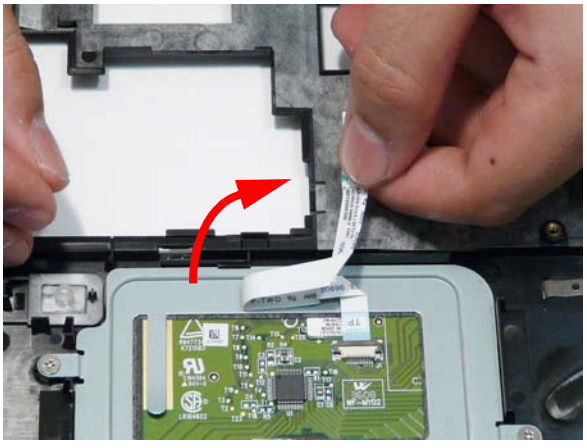
8. Remove the Finger Print Reader from the bracket as shown.



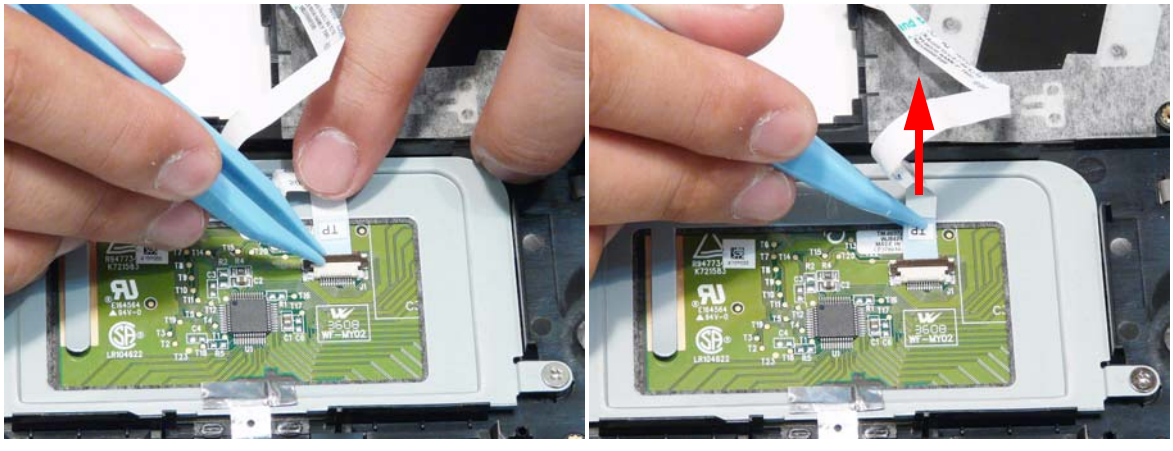
Removing the TouchPad Bracket

IMPORTANT: The TouchPad cannot removed from the Upper Cover. Replace the entire Upper Cover if the TouchPad malfunctions.

1. See “Removing the Button Board and Finger Print Reader” on page 76.
2. Lift the TouchPad FFC to detach the adhesive securing it in place.

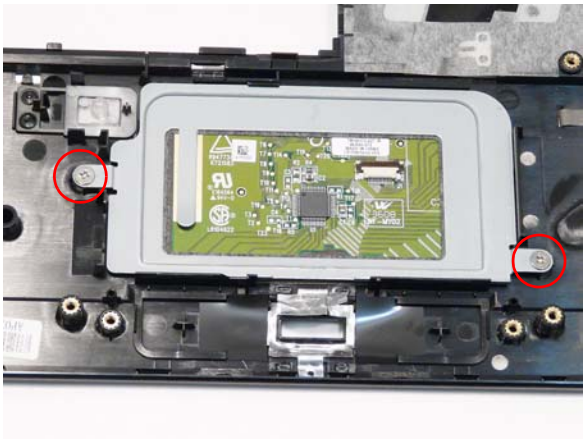


3. Open the locking latch and disconnect the TouchPad FFC from the TouchPad.



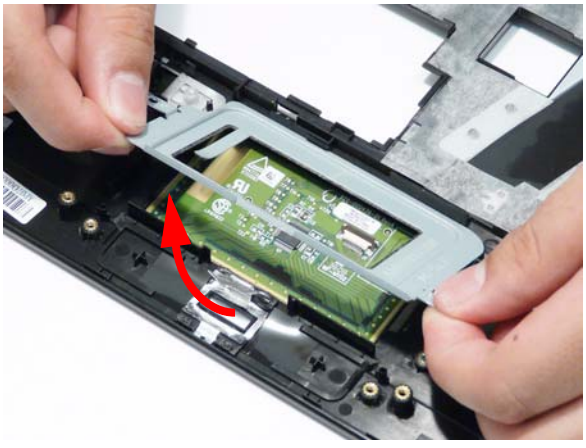
4. Lift the Finger Print Reader protection strip from the TouchPad Bracket as shown.

5. Remove the two screws securing the TouchPad Bracket in place.



Step	Size	Quantity	Screw Type
TouchPad Bracket	M2.5*3	2	

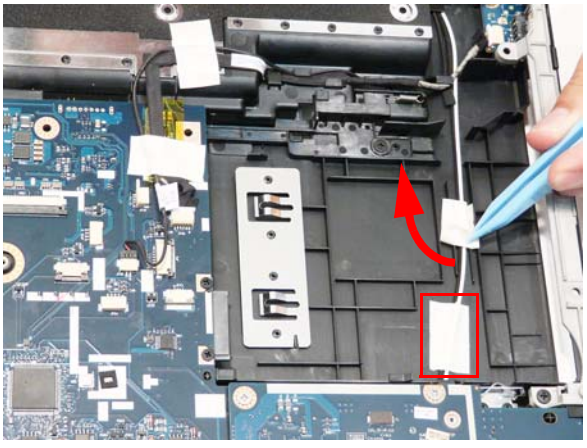
6. Lift the TouchPad Bracket, front edge first, and remove it from the Upper Cover.



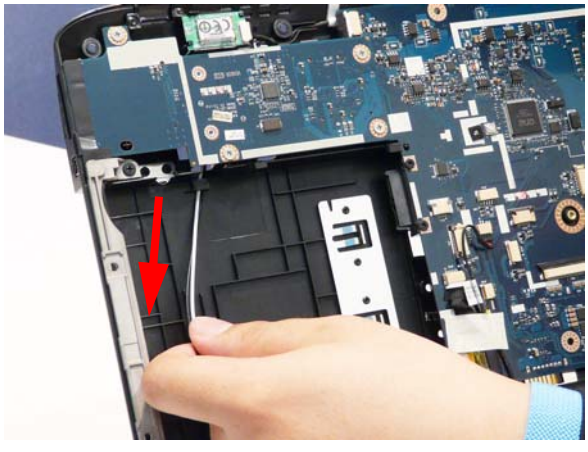
Removing the LCD Module

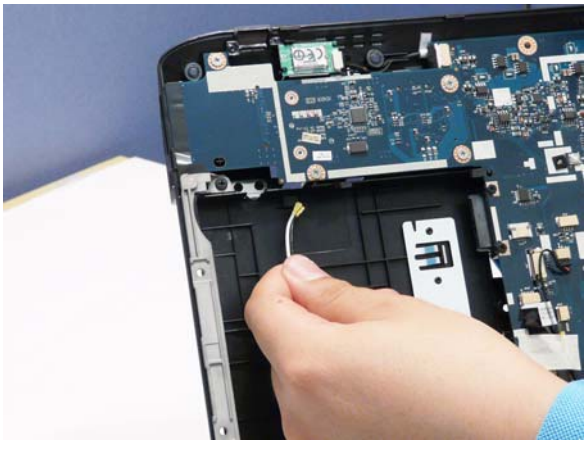
IMPORTANT: The LCD Module cannot be disassembled outside of factory conditions. If any part of the LCD Module is faulty, such as the camera, antenna or LCD panel, the whole module must be replaced.

1. See “Removing the Upper Cover” on page 63.
2. Remove the adhesive tapes securing the Antenna cables in place.

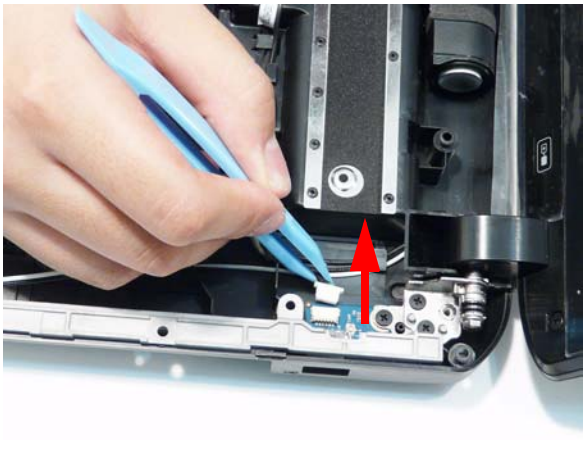


3. Pull the Antenna cables through the cover as shown. Ensure that the Antennas are completely free from the cover.

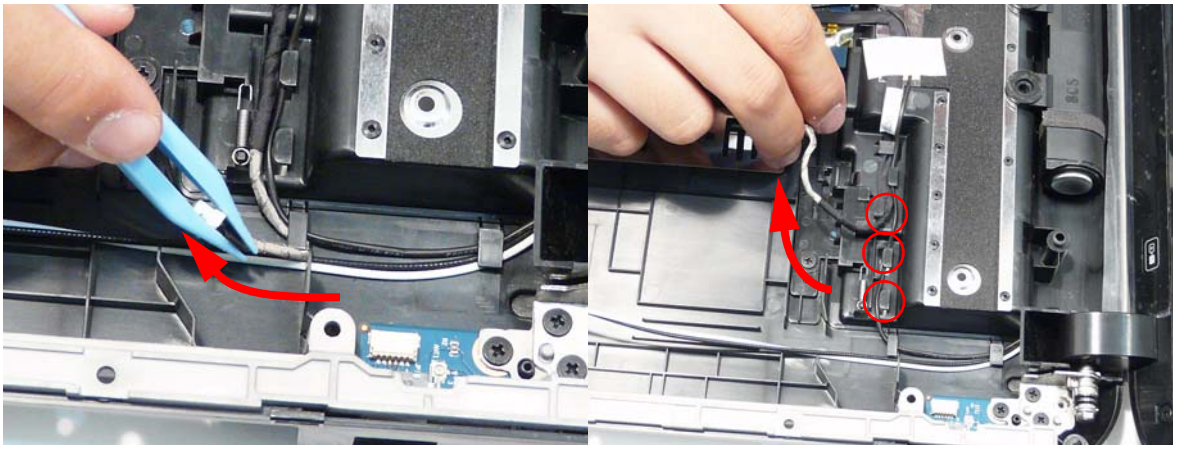




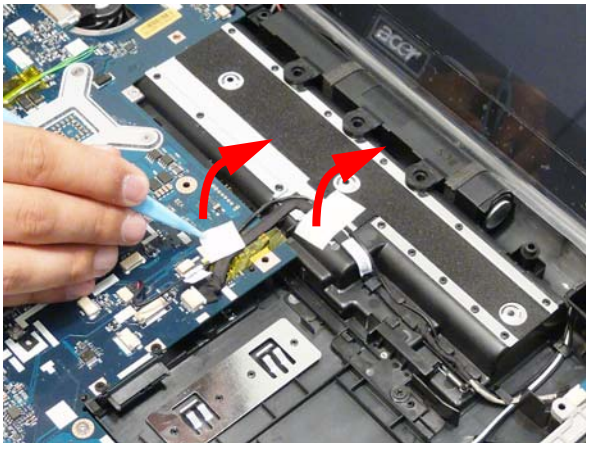
4. Disconnect the USB Board cable as shown.



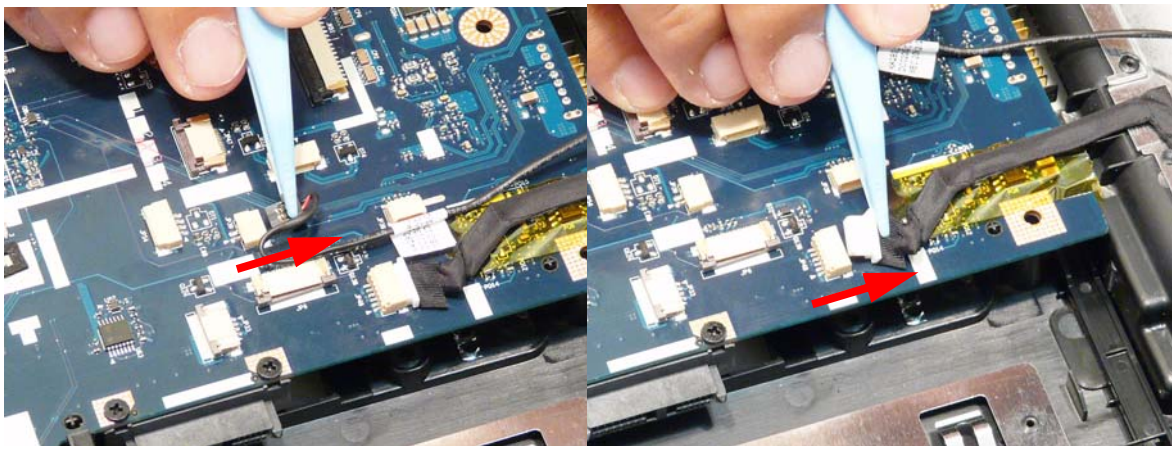
5. Remove the USB Board cable from the cable clips as shown.



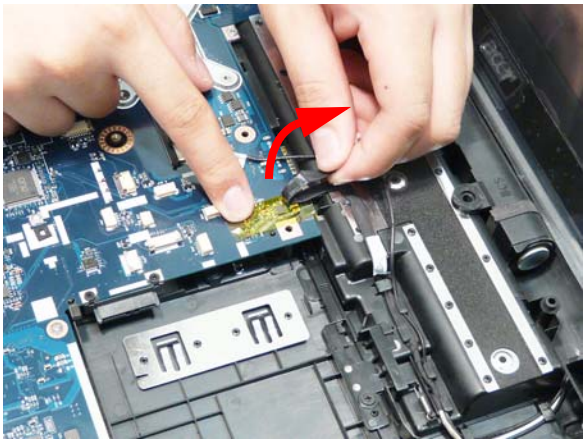
6. Remove the adhesive tapes securing the USB Board and Backlight cables in place.



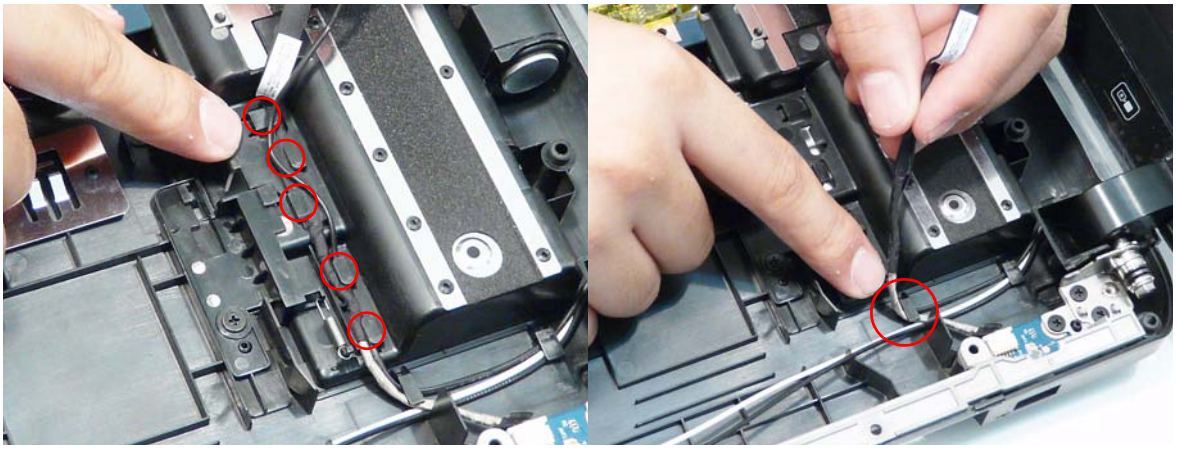
7. Disconnect the Backlight and USB Board cables from the Mainboard.



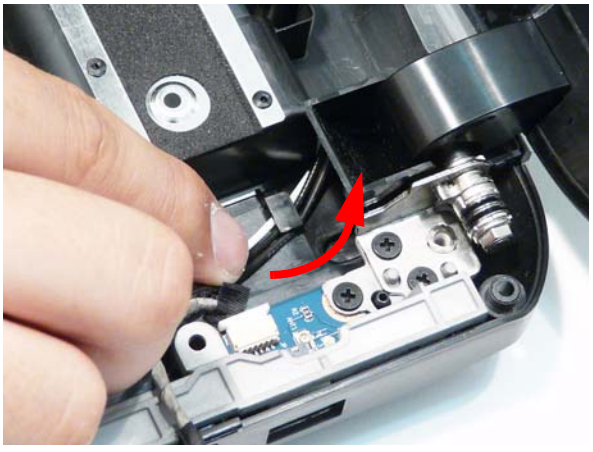
8. Lift the USB Board cable to detach the adhesive securing it in place.



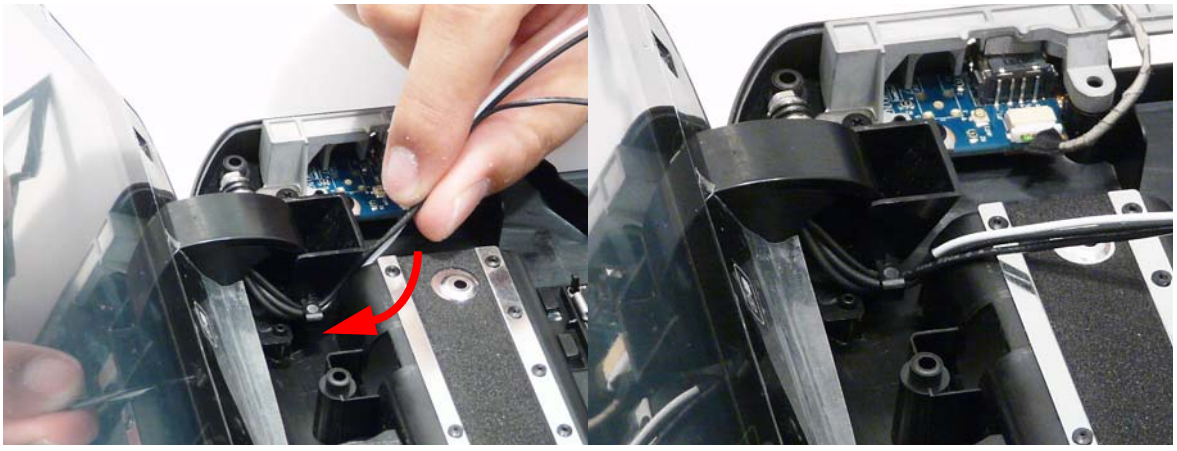
9. Remove the USB Board and Backlight cables from the cable channel. Ensure that the cables are free from all cable clips.



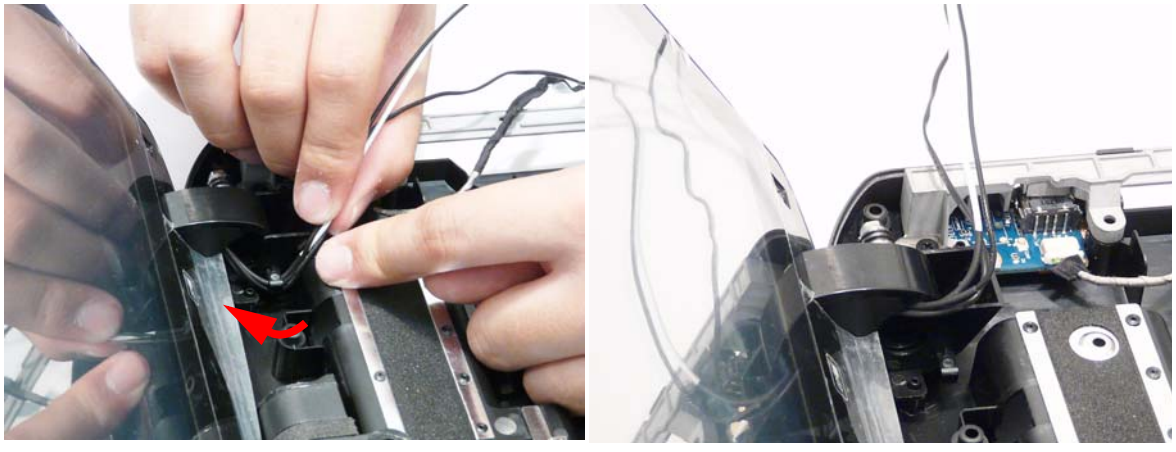
10. Remove the Antenna and Backlight cables from the cable clip as shown.



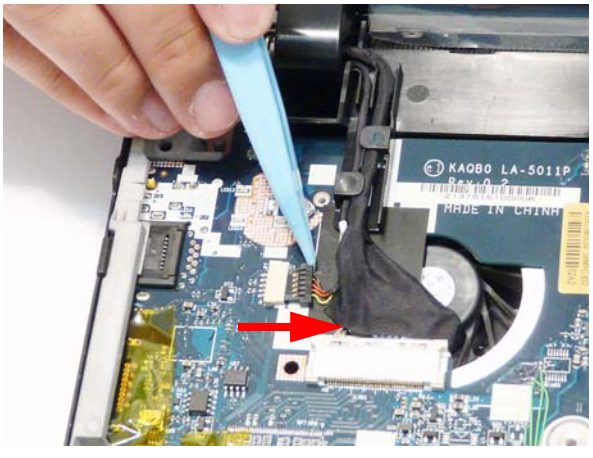
11. Pass the Antenna and Backlight cables through the space between the Battery Bay and Hinge well as shown.



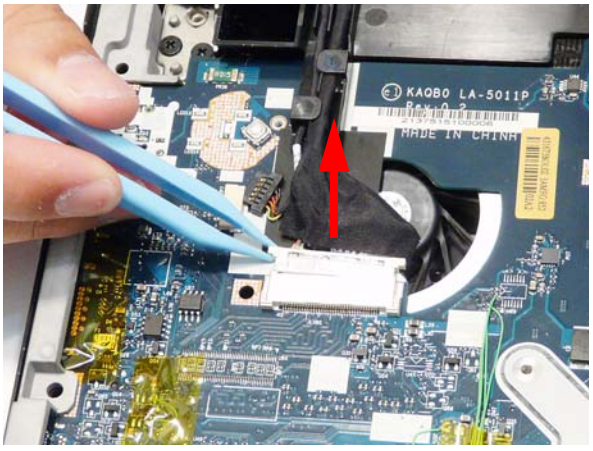
12. Remove the cables from the final cable clip as shown.



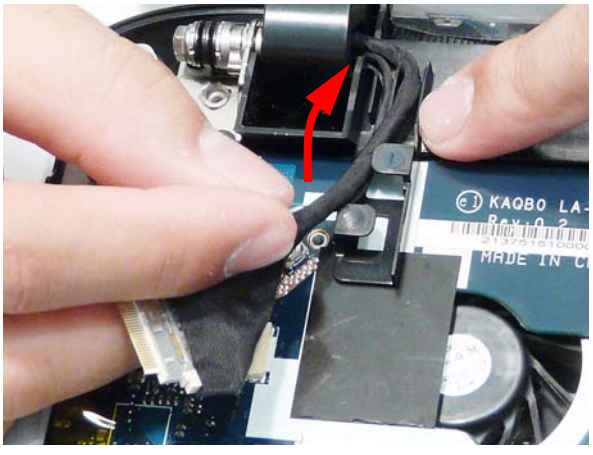
13. Disconnect the Conductive cable from the Mainboard.



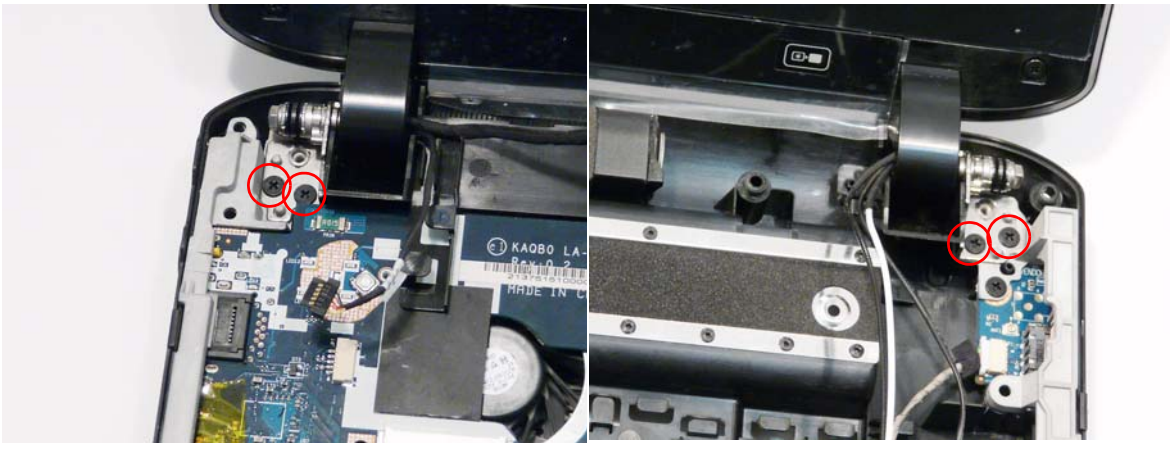
14. Disconnect the LVDS cable from the Mainboard.



15. Remove the Conductive and LVDS cables from the cable channel. Ensure that the cables are free from all cable clips.

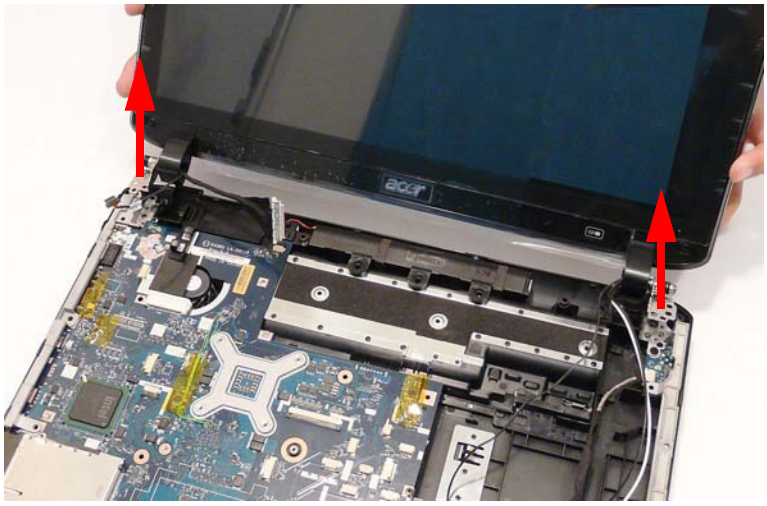


16. Remove the four screws (two each side) securing the LCD Module to the Lower Cover.



Step	Size	Quantity	Screw Type
LCD Module	M2.5*5	4	

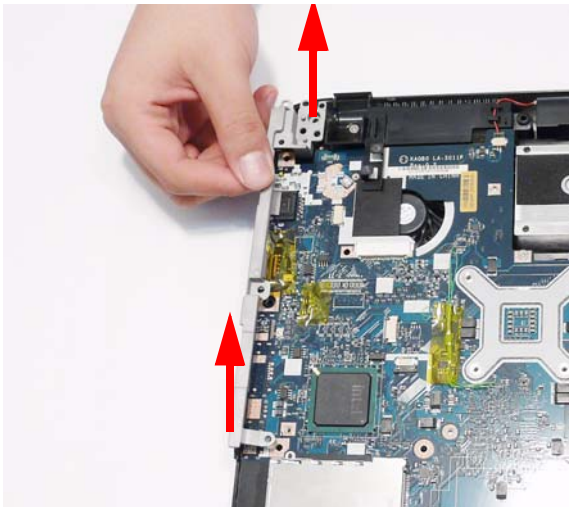
17. Using both hands, lift the LCD Module clear of the Lower Cover.



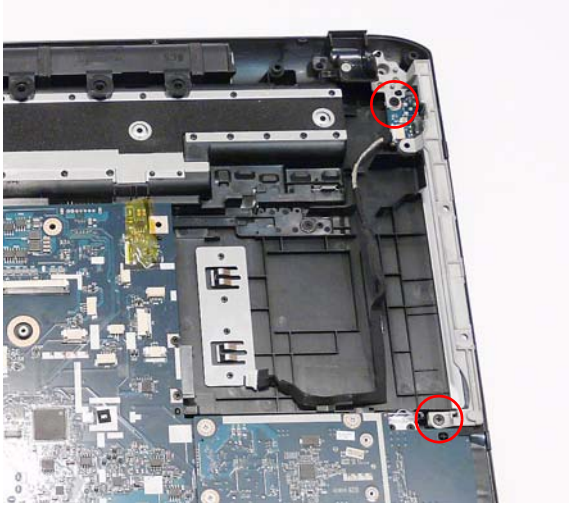
IMPORTANT: The LCD Module cannot be disassembled outside of factory conditions. If any part of the LCD Module is faulty, such as the camera, antenna or LCD panel, the whole module must be replaced.

Removing the Saddles

1. See “Removing the Upper Cover” on page 63.
2. Lift the left side Saddle clear of the Lower Cover as shown.

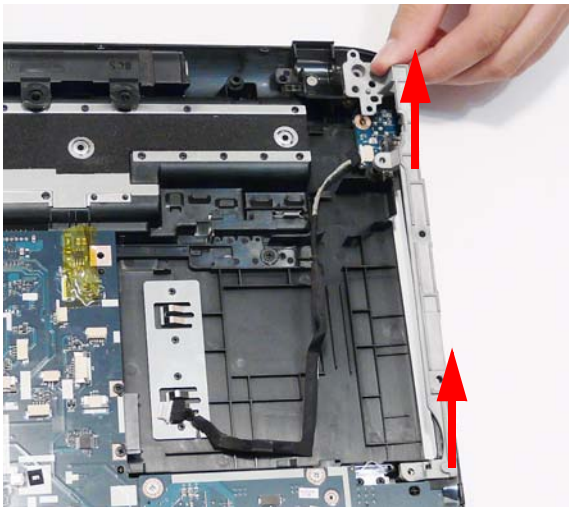


3. Remove the two screw securing the right side Saddle to the Lower Cover.



Step	Size	Quantity	Screw Type
Right Saddle	M2.5*5	2	

4. Lift the right side Saddle clear of the Lower Cover as shown.

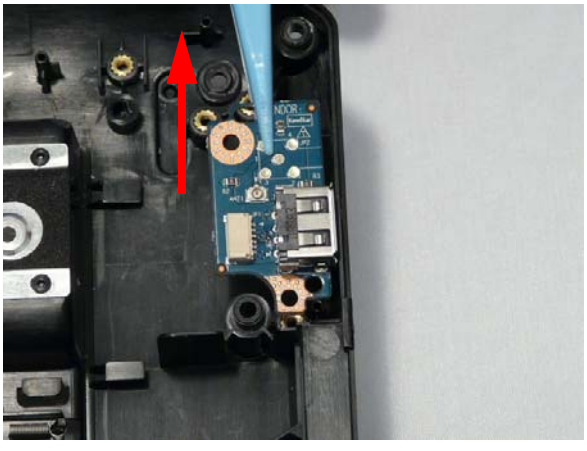


Removing the USB Board

1. See “Removing the Saddles” on page 87.
2. Remove the single screw securing the USB Board to the Lower Cover.

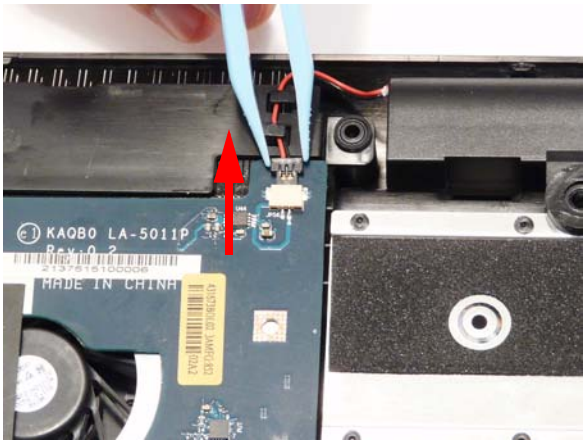
Step	Size	Quantity	Screw Type
USB Board	M2.5*3	1	

3. Remove the USB Board from the Lower Cover as shown.

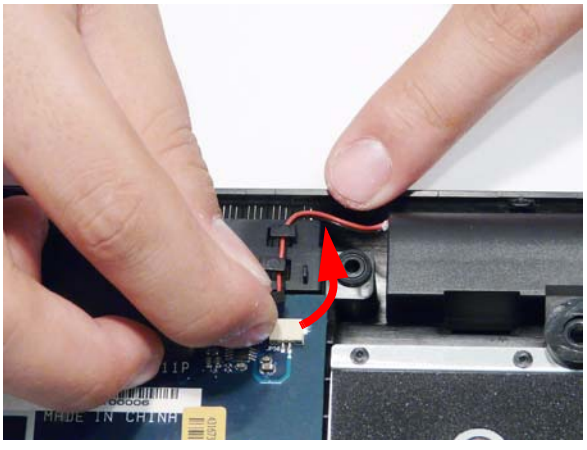


Removing the Subwoofer

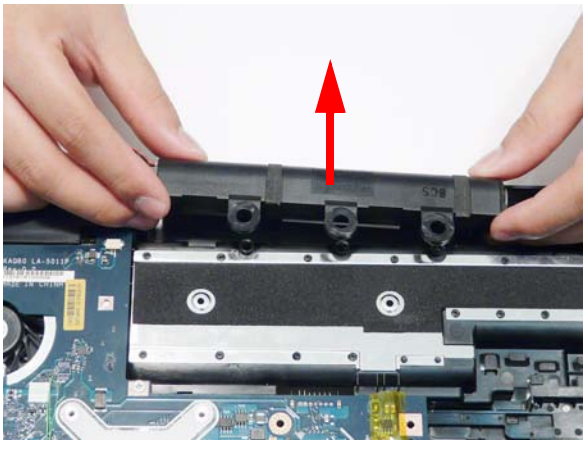
1. See “Removing the LCD Module” on page 81.
2. Disconnect the Subwoofer cable from the Mainboard.



3. Remove the cable from the channel. Ensure that the cable is free from all cable clips.

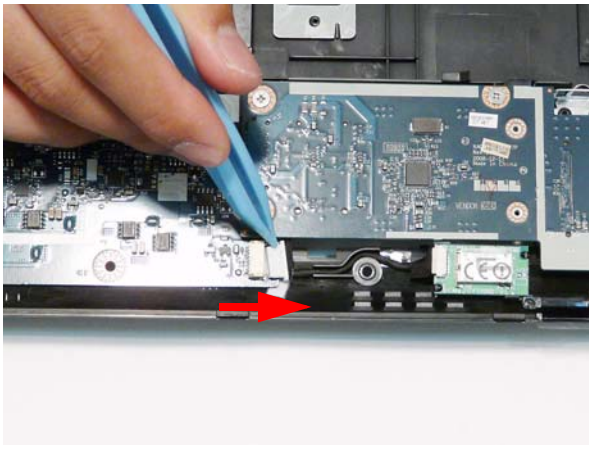


4. Using both hands, lift the Subwoofer clear of the Lower Cover.

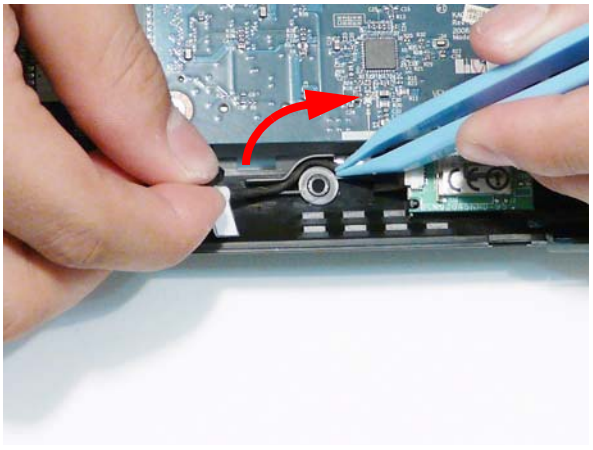


Removing the Bluetooth Module

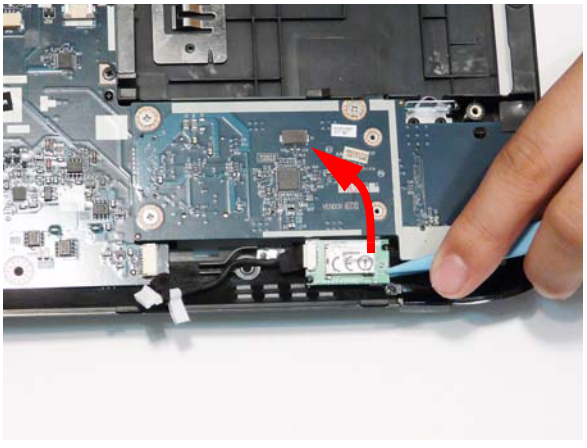
1. See “Removing the Upper Cover” on page 63.
2. Disconnect the Bluetooth cable from the Mainboard.



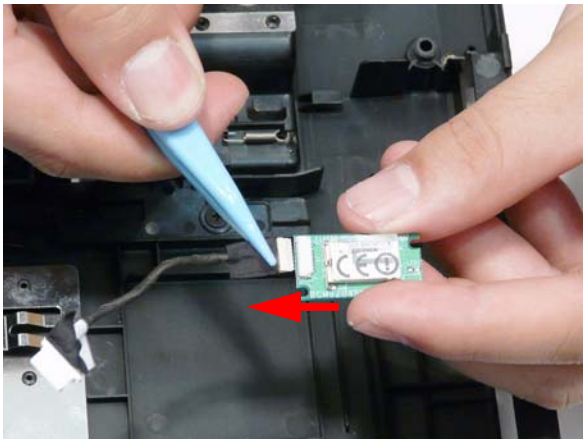
3. Remove the cable from the cable channel as shown.



4. Lift the module clear of the chassis.

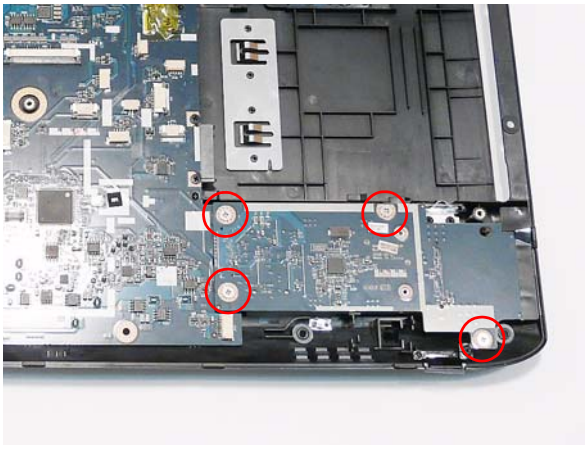


5. Disconnect the cable from the Bluetooth Module.



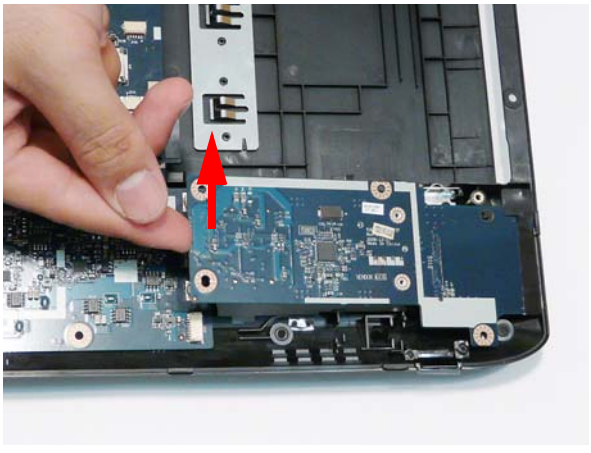
Removing the Card Reader Board

1. See “Removing the Saddles” on page 87.
2. Remove the four screws securing the Card Reader Board to the Lower Cover.

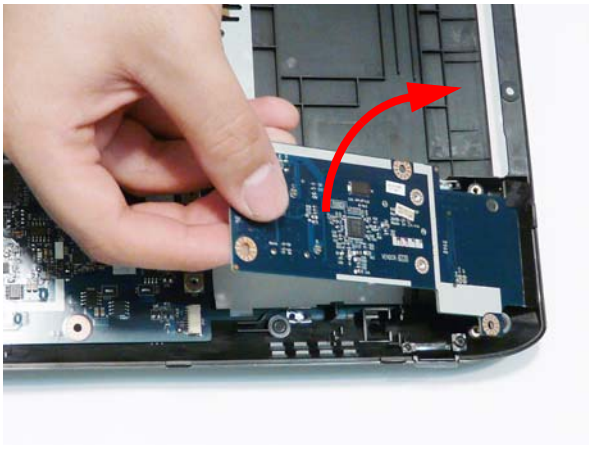


Step	Size	Quantity	Screw Type
Card Reader Board	M2.5*3	4	

3. Lift the left side of the board to disconnect the reader interface from the Mainboard.

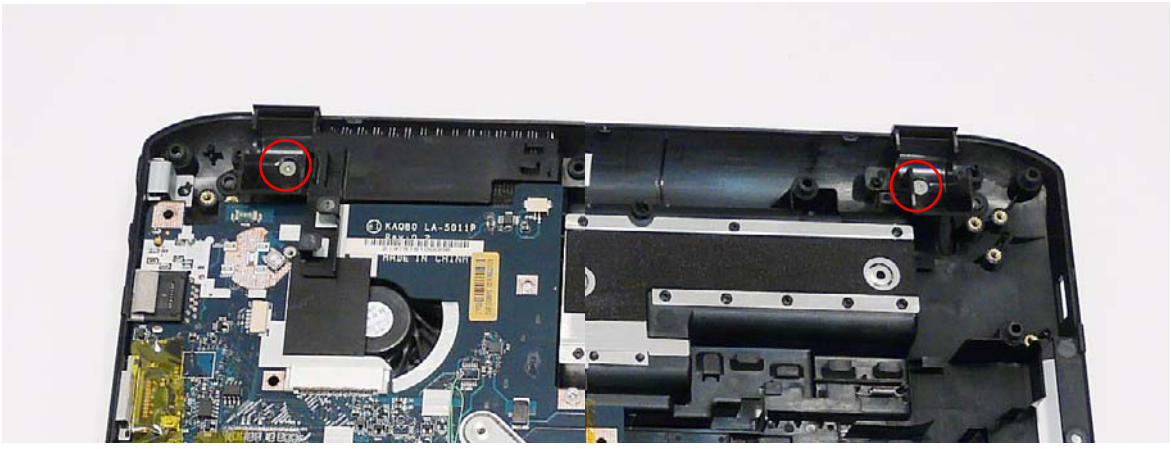


4. Remove the Card Reader Board from the Lower Cover.



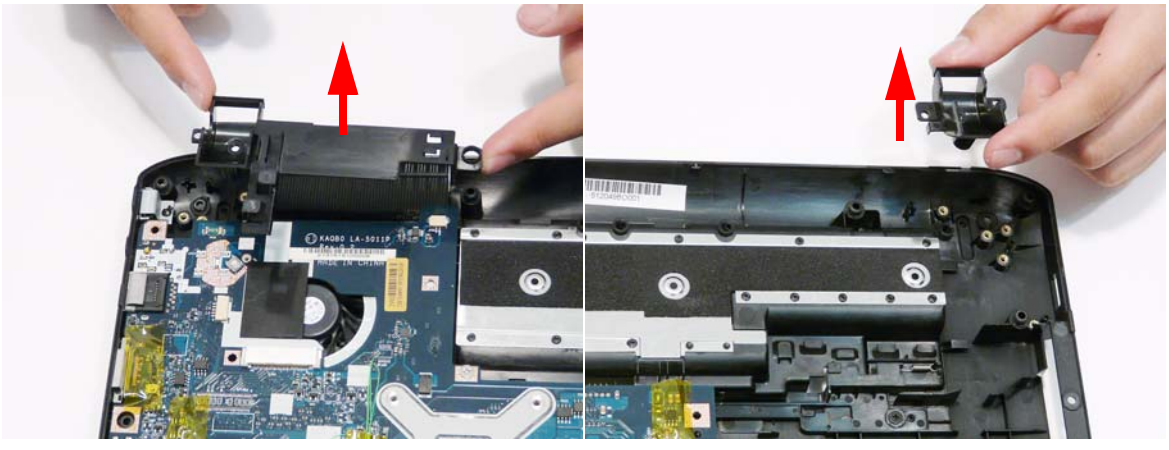
Removing the Hinge Wells

1. See “Removing the Subwoofer” on page 90.
2. Remove the two screws (one each side) securing the Hinge Wells to the Lower Cover.



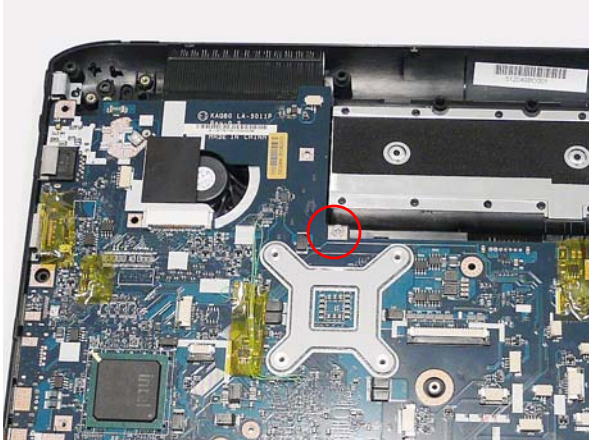
Step	Size	Quantity	Screw Type
Hinge Wells	M2.5*3	2	

3. Lift the Hinge Wells clear of the Lower Cover.



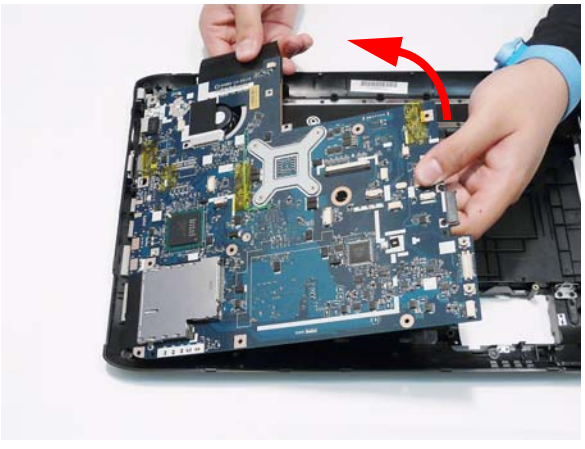
Removing the Mainboard

1. See “Removing the Hinge Wells” on page 94.
2. Remove the single screw securing the Mainboard to the Lower Cover.



Step	Size	Quantity	Screw Type
Mainboard	M2.5*3	1	

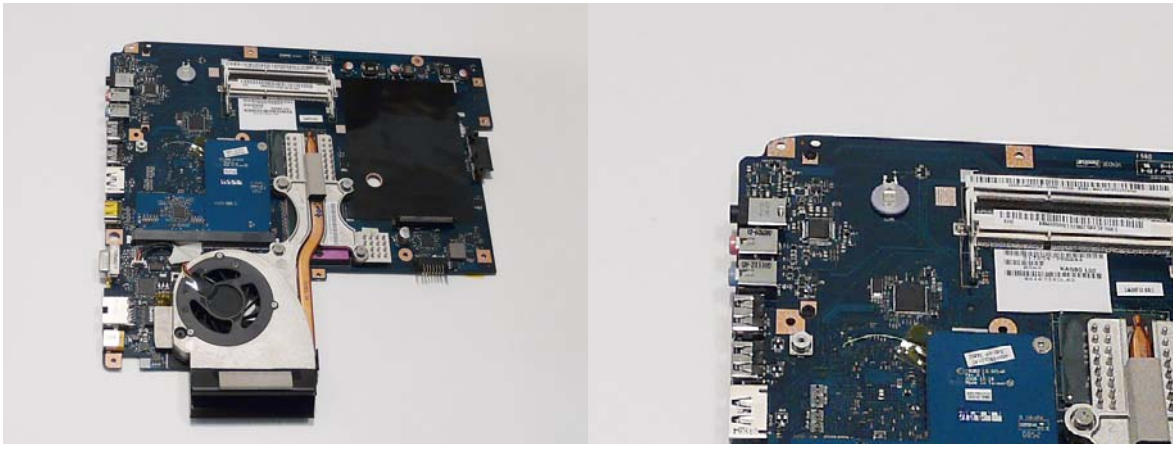
3. Pivot the Mainboard upward and remove it from the chassis, right side first. Place the Mainboard on a clean, dust-free surface.



Removing the RTC Battery

IMPORTANT: Follow local regulations for disposal of all batteries.

1. See “Removing the Mainboard” on page 95.
2. The RTC Battery is soldered to the Mainboard. To replace the battery, solder the new battery to the connections shown.

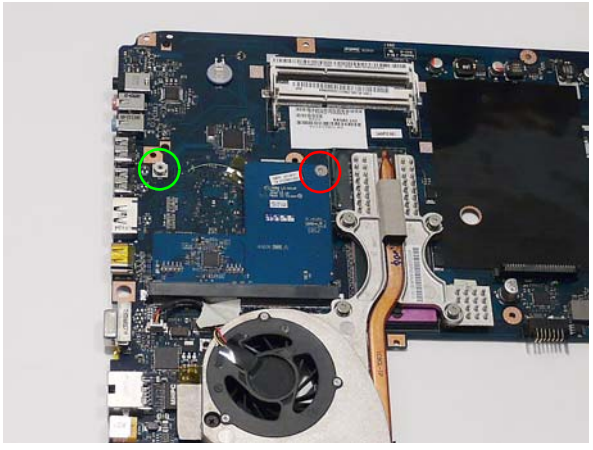


Removing the VGA/MXM Card

NOTE: The following procedure outlines the removal steps for models supporting VGA Cards. The procedure for MXM Cards requires the removal of **two** screws, though the remaining steps are identical.

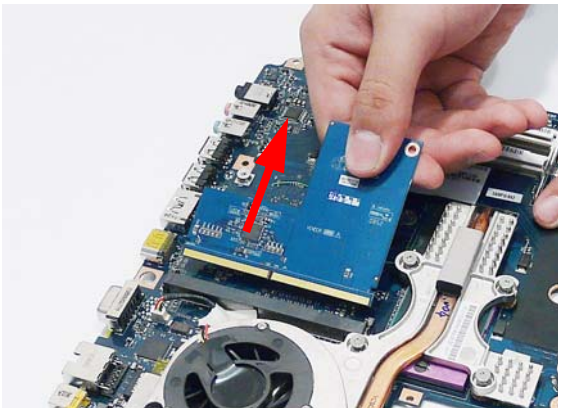
1. See “Removing the Mainboard” on page 95.
2. Remove the single screw securing the VGA Card to the Mainboard.

   NOTE: MXM cards are secured with and additional screw as indicated by the green callout.



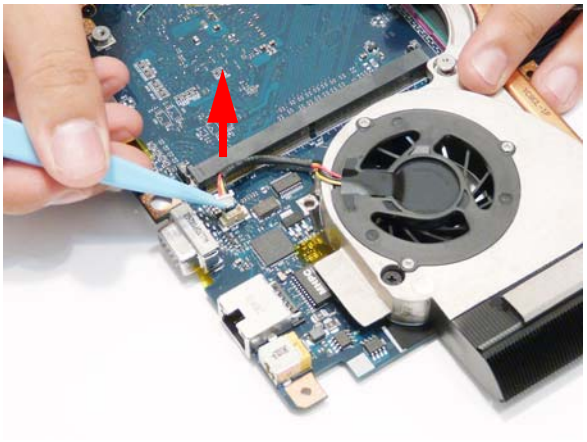
Step	Size	Quantity	Screw Type
VGA/MXM	M2.5*3	1 or 2	

3. Remove the VGA Card from the Mainboard connector.

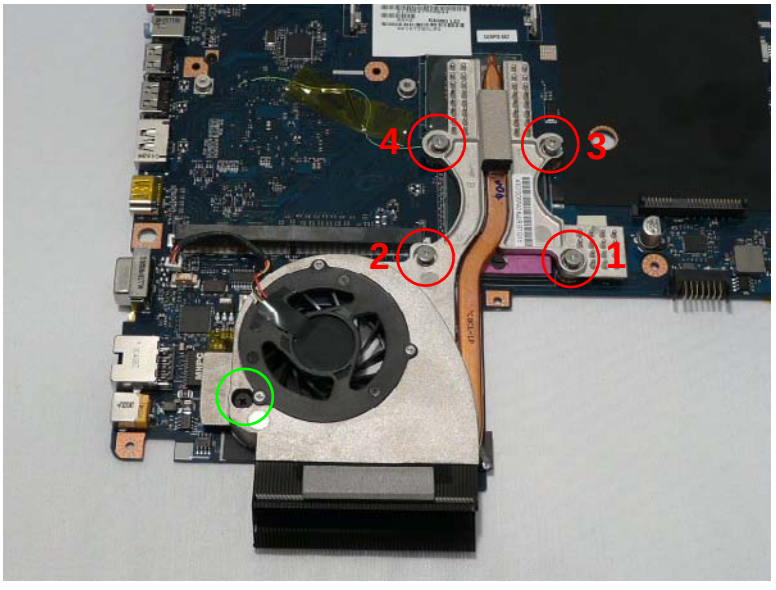


Removing the Thermal Module

1. See “Removing the Mainboard” on page 95.
2. Disconnect the fan cable from the Mainboard.

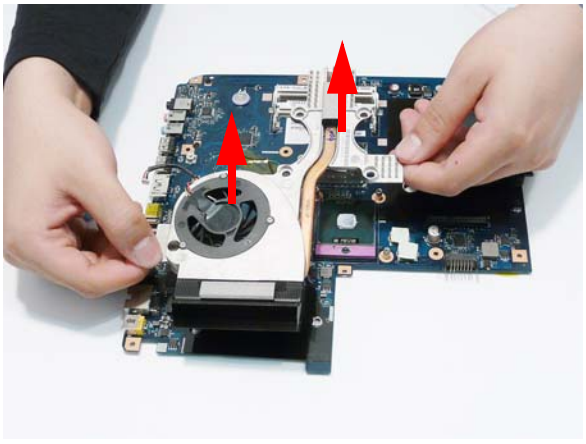


3. Remove the single screw securing the Fan to the Mainboard (green callout).
4. Remove the four securing screws (in reverse numerical order from screw 4 to screw 1) from the Thermal Module (red callout).



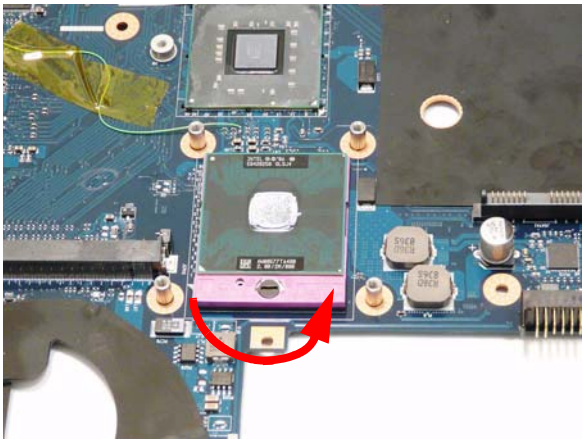
Step	Size	Quantity	Screw Type
Thermal Module	CPU_SCREW_SPRIN	5	

5. Using both hands, lift the Thermal Module clear of the Mainboard.



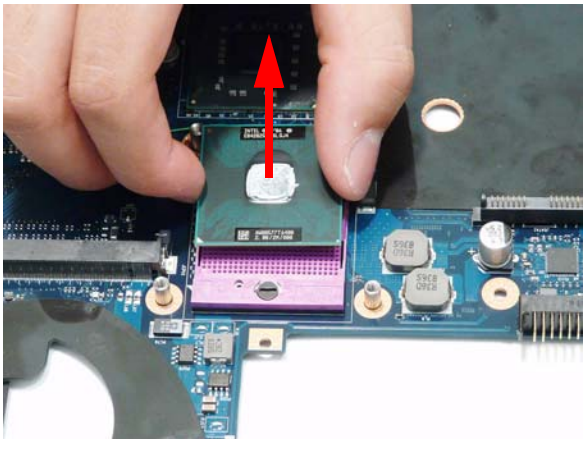
Removing the CPU

1. See “Removing the Thermal Module” on page 98.
2. Turn the securing screw 180° to release the CPU from the socket.



3. Remove the CPU from the socket as shown.

IMPORTANT: The pins on the underside of the CPU are very delicate. If they are damaged, the CPU may malfunction. Place the CPU on a clean, dry surface when it is not installed.

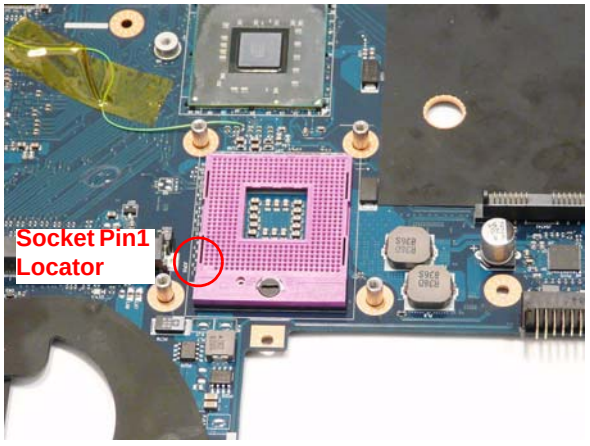


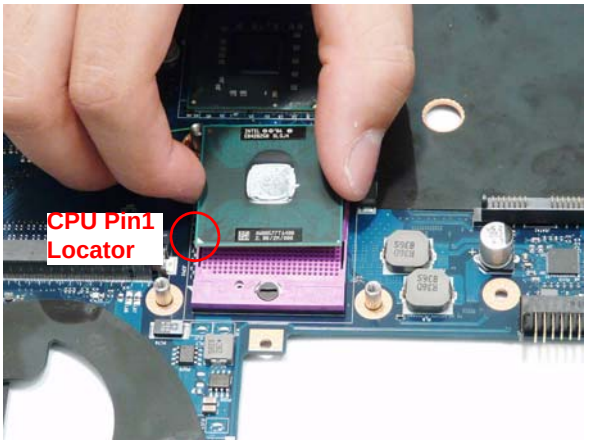
Main Module Reassembly Procedure

Replacing the CPU

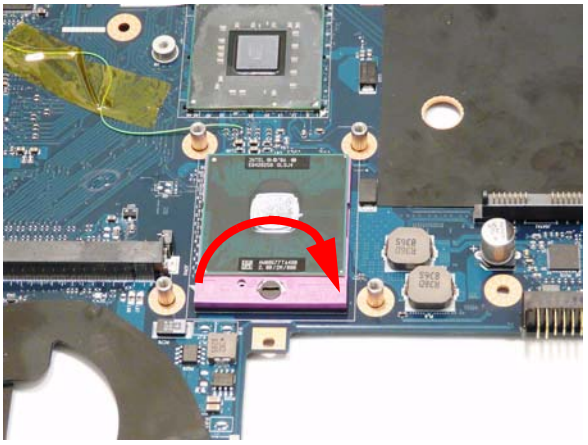
IMPORTANT: The CPU has a Pin1 locator that must be positioned corresponding to the marker on the CPU socket.

1. Carefully turn the mainboard upside down (CPU side up), and place the CPU into the CPU socket as shown, taking note of the Pin1 locator.





2. Turn the securing screw 180° to secure the CPU in the socket.



Replacing the Thermal Module

IMPORTANT: Apply a suitable thermal grease and ensure all heat pads are in place before replacing the Thermal Module.

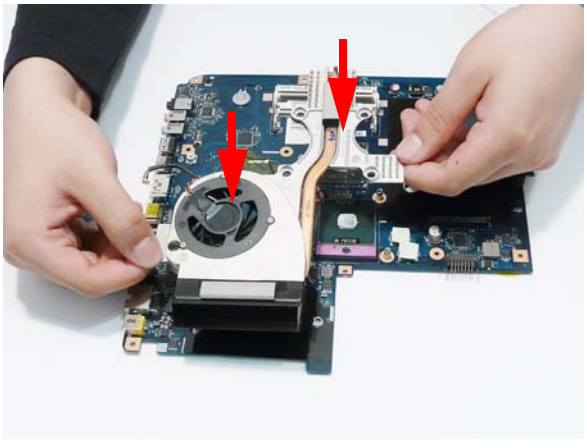
The following thermal grease types are approved for use:

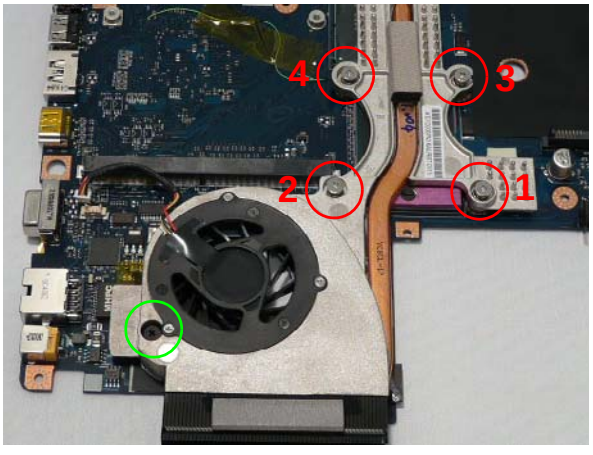
- Silmore GP50
- Honeywell PCM45F-SP
- ShinEtsu 7762

The following thermal pads are approved for use:

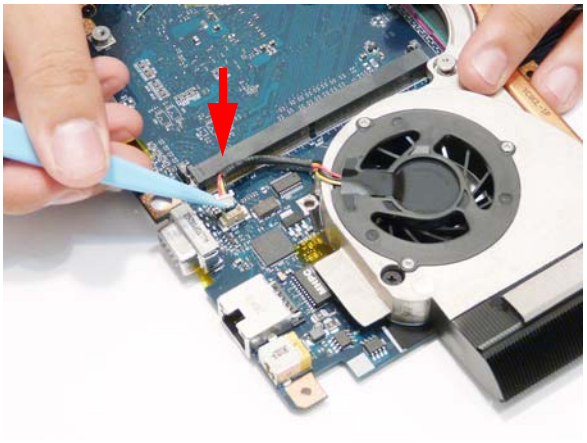
- Eapus XR-PE

1. Remove all traces of thermal grease from the CPU using a lint-free cloth or cotton swab and Isopropyl Alcohol, Acetone, or other approved cleaning agent.
2. Apply a small amount of thermal grease to the centre of the CPU—there is no need to spread the grease manually, the force used during the installation of the Thermal Module is sufficient.
3. Align the screw holes on the Thermal Module and Mainboard then replace the module. Keep the module as level as possible to spread the thermal grease evenly.
4. Replace the single Fan screw and the four Thermal Module screws (in numerical order from screw 1 to screw 4) to secure the Thermal Module in place.





5. Connect the fan cable to the Mainboard.

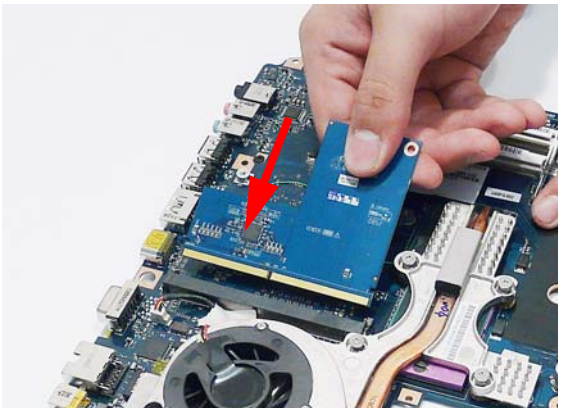


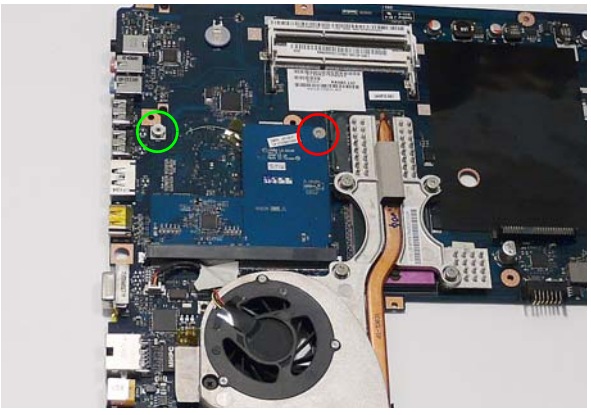
Replacing the VGA/MXM Card

NOTE: The following procedure outlines the installation steps for models supporting VGA Cards. The procedure for MXM Cards requires **two** screws, though the remaining steps are identical.

1. Insert the card in to the Mainboard connector as shown.
2. Replace the single screw securing the card to the Mainboard.

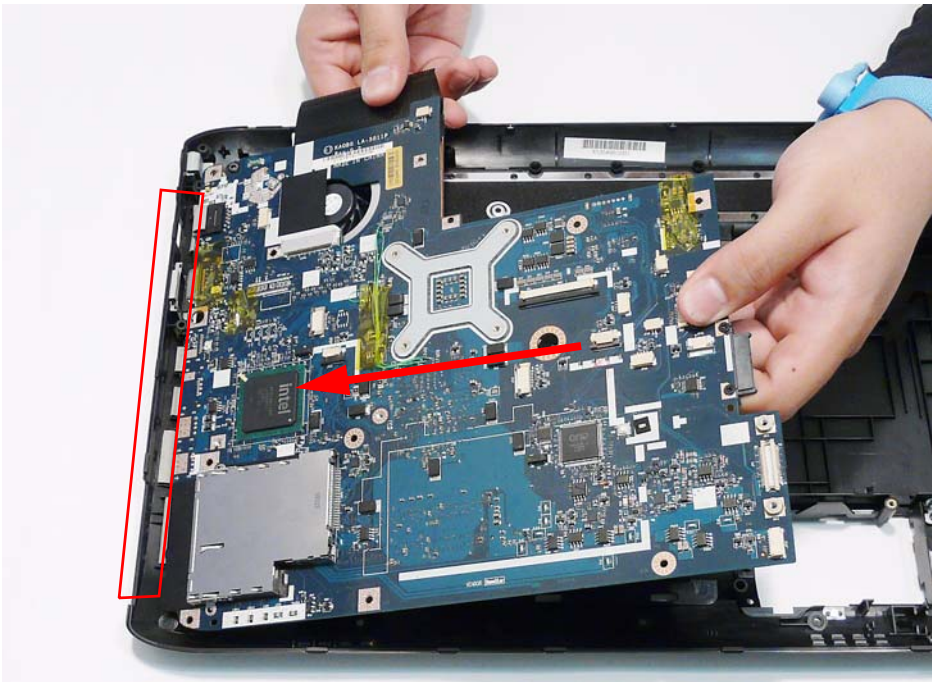
NOTE: MXM cards are secured with and additional screw as indicated by the green callout.





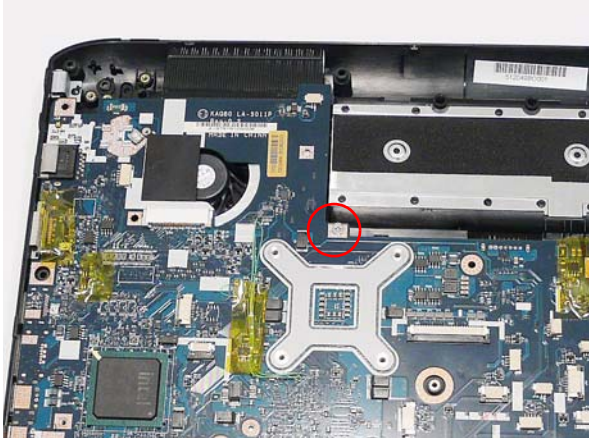
Replacing the Mainboard

1. Insert the Mainboard in to the Lower Cover, left side first. Ensure that the I/O ports on the left side of the Mainboard are located correctly through the Lower Case.



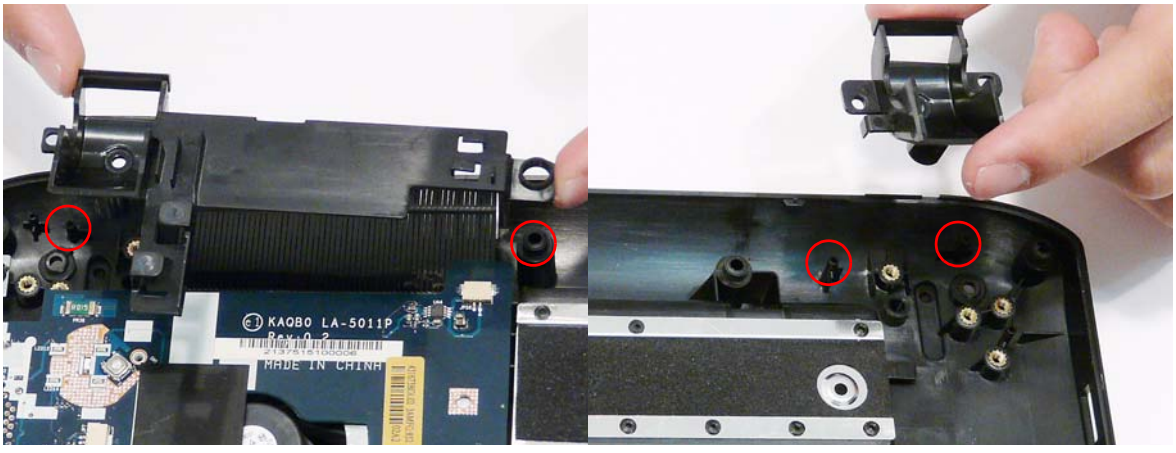
2. Pivot the Mainboard in to the Lower Cover as shown.

3. Replace the single screw securing the Mainboard to the Lower Cover.

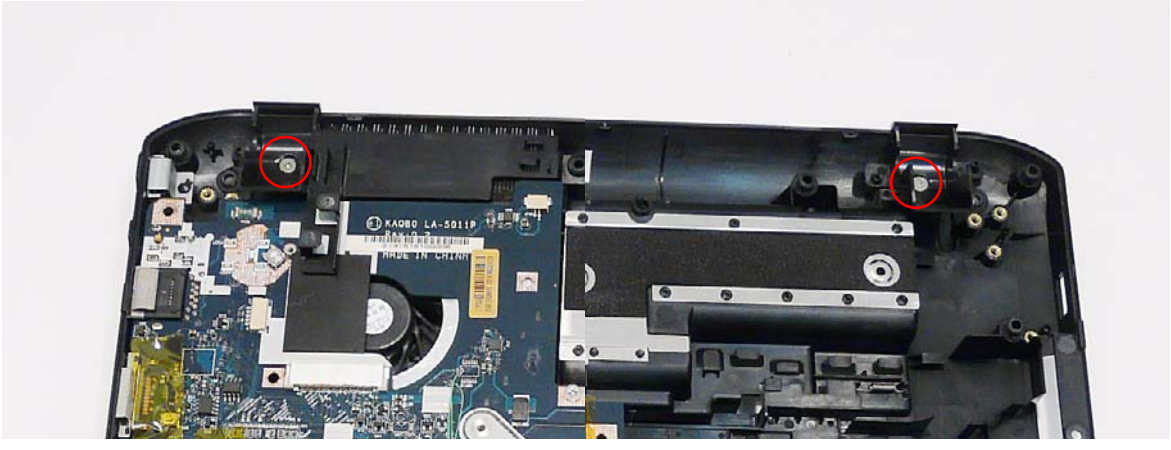


Replacing the Hinge Wells

1. Replace the left and right Hinge Wells in the Lower Cover as shown. Ensure that the Wells are seated correctly on the locating pins.

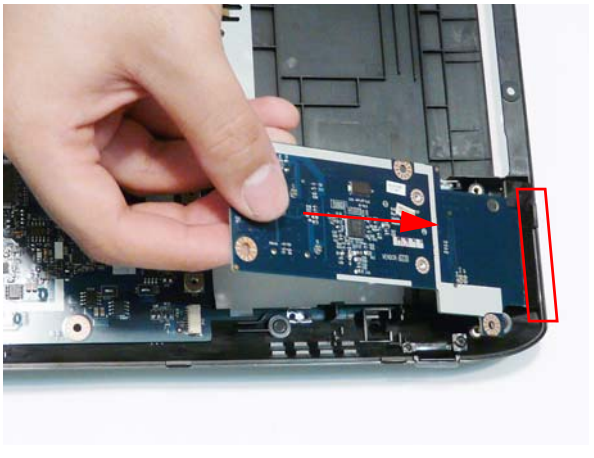


2. Replace the two screws to secure the Hinge Wells in the Lower Cover.

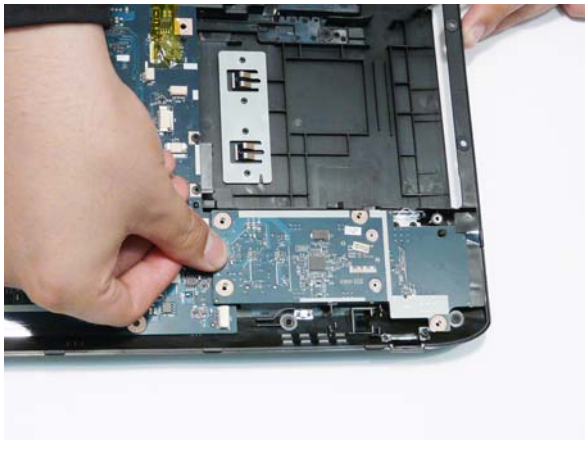


Replacing the Card Reader Board

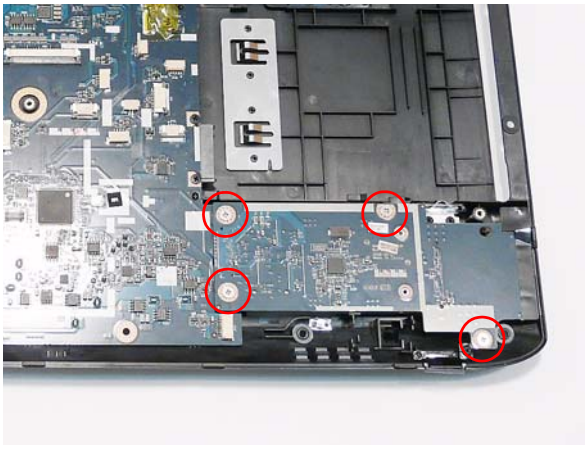
1. Insert the Card Reader Board right side first as shown. Ensure that the I/O ports on the right side of the board are located correctly through the Lower Case.



2. Lower the board in to place and press down as indicated to connect the board to board interface.

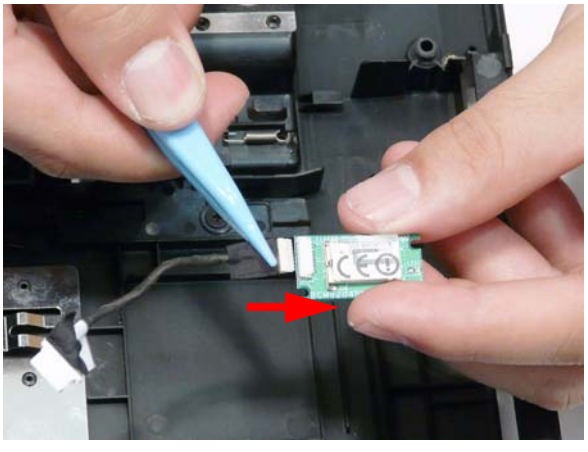


3. Replace the four screws to secure the Card Reader Board to the Lower Cover.

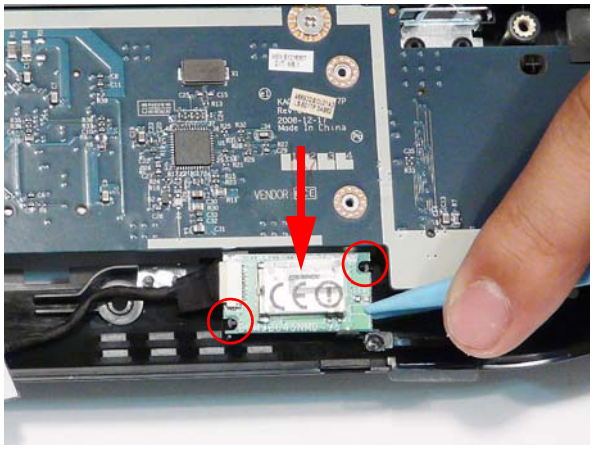


Replacing the Bluetooth Module

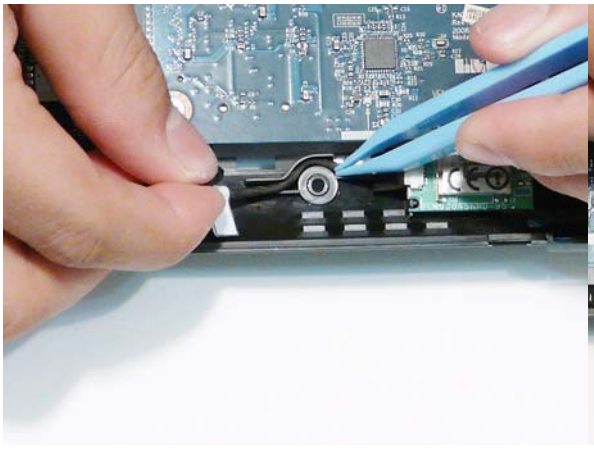
1. Connect the Bluetooth cable to the module as shown.

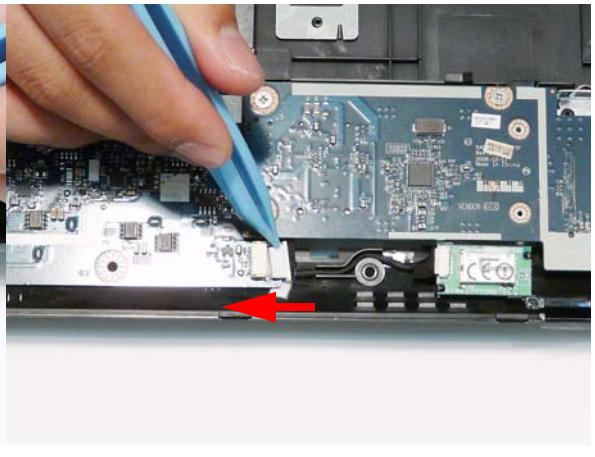


2. Place the module in the Lower Cover. Ensure that the module is seated correctly on the locating pins.



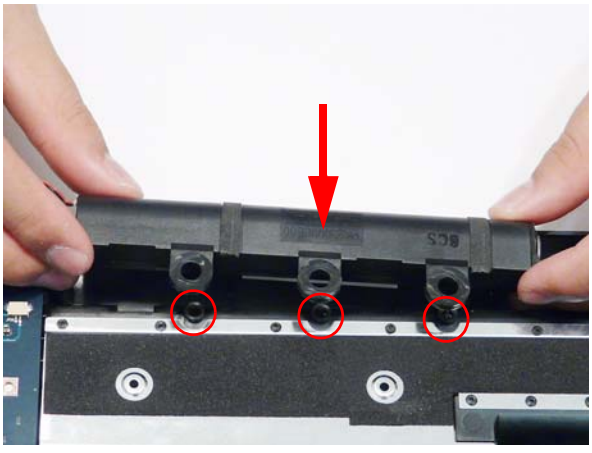
3. Run the cable along the cable channel as shown, and connect it to the Mainboard.



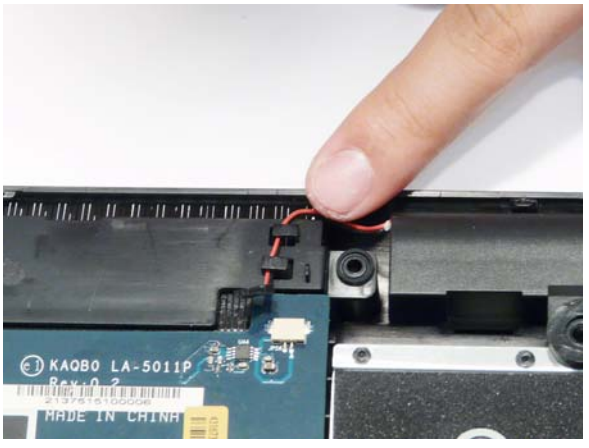


Replacing the Subwoofer

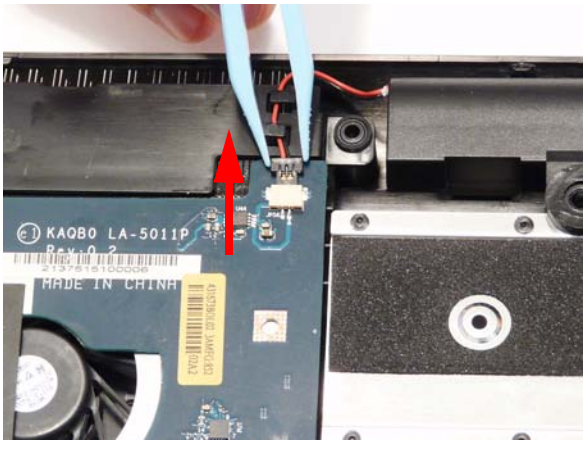
1. Place the module in the Lower Cover. Ensure that the module is seated correctly on the locating pins.



2. Run the cable along the cable channel using all available clips.

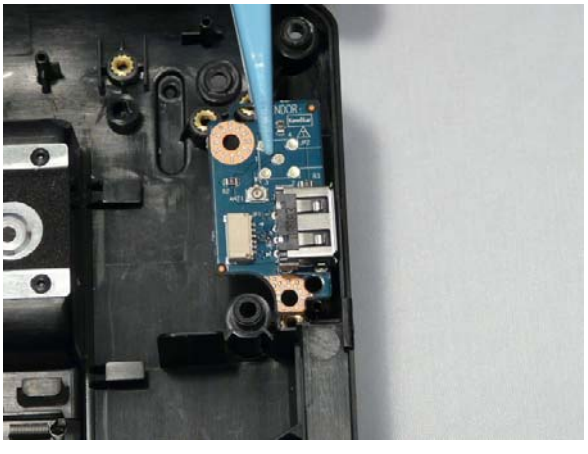


3. Connect the Subwoofer cable to the Mainboard as shown.



Replacing the USB Board

1. Place the board in the Lower Cover. Ensure that the board is seated correctly on the locating pins.

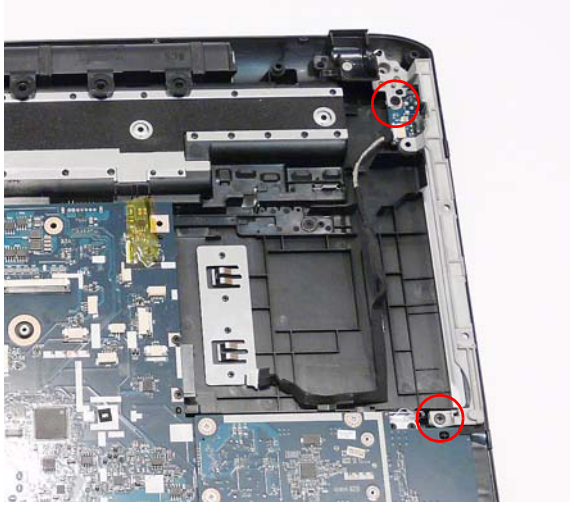


2. Replace the single screw securing the board to the Lower Cover.

Replacing the Saddles

1. Align the screw holes and locating pins on the Saddles and the Lower Cover and replace the Saddles.

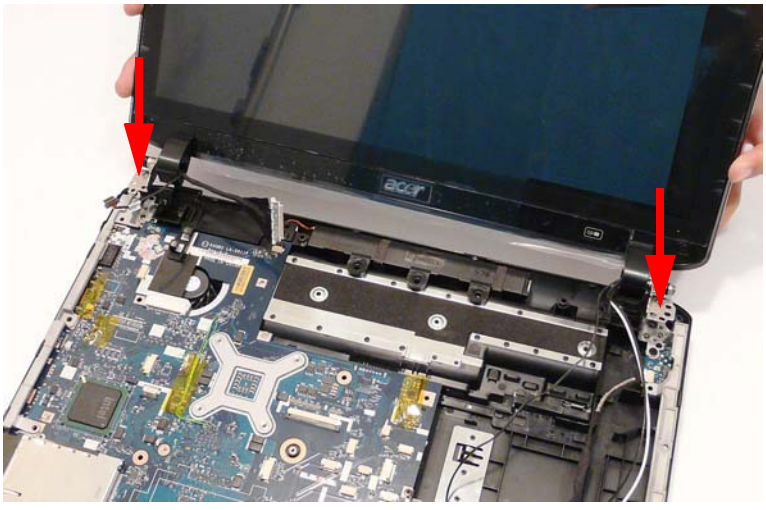
2. Replace the two screws to secure the Right Saddle to the Lower Cover.
   NOTE: The Left Saddle is not secured with screws.



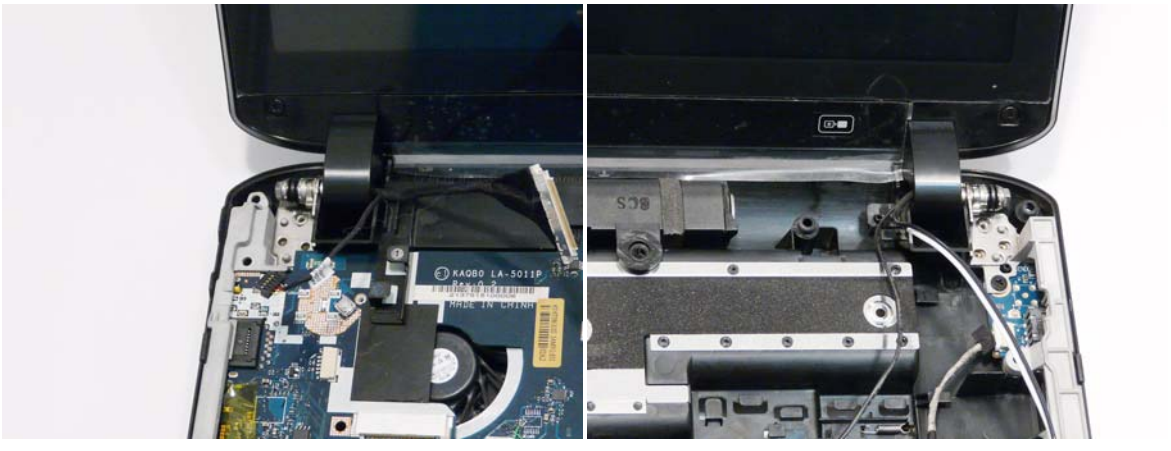
Replacing the LCD Module

IMPORTANT: The LCD Module cannot be disassembled outside of factory conditions. If any part of the LCD Module is faulty, such as the camera, antenna or LCD panel, the whole module must be replaced.

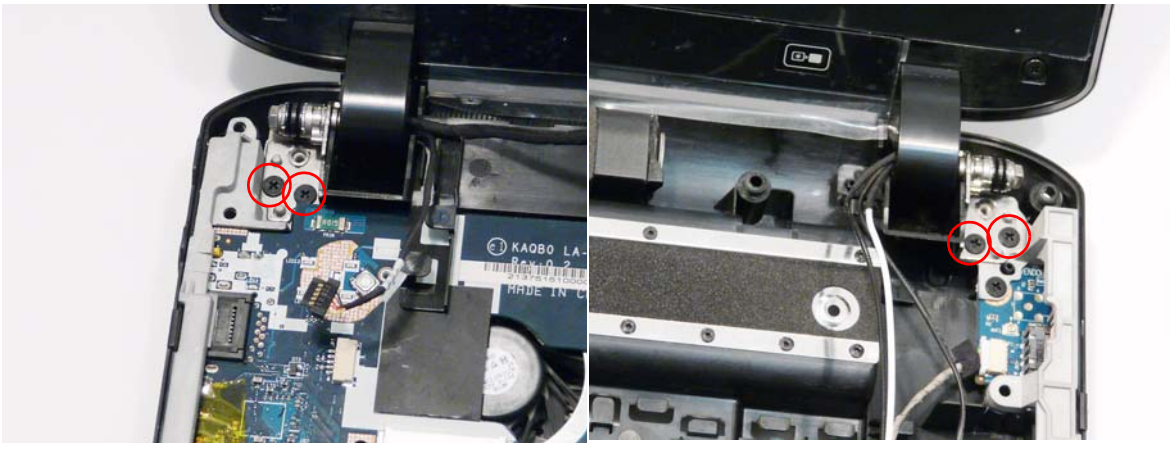
1. Align the LCD hinges with the Lower Cover screw holes and replace the LCD Module.



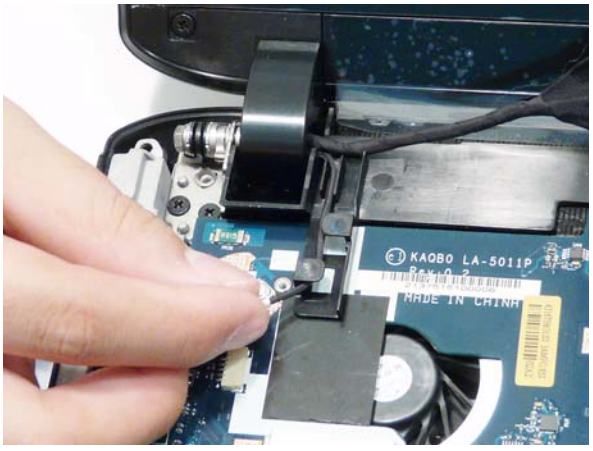
IMPORTANT: Ensure that the cables pass through the Hinge Wells as shown to avoid trapping when the Upper Cover is replaced.



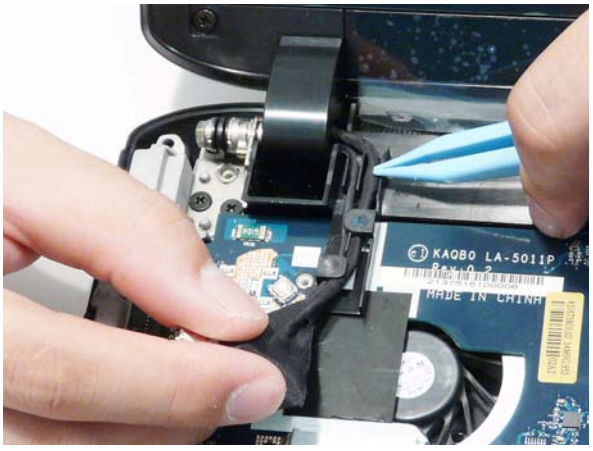
2. Replace the four screws to secure the LCD Module to the Lower Cover.



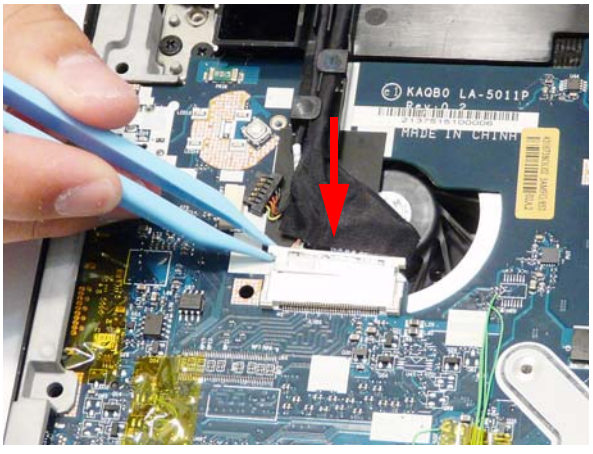
3. Run the Conductive cable along the cable channel using all the cable clips.



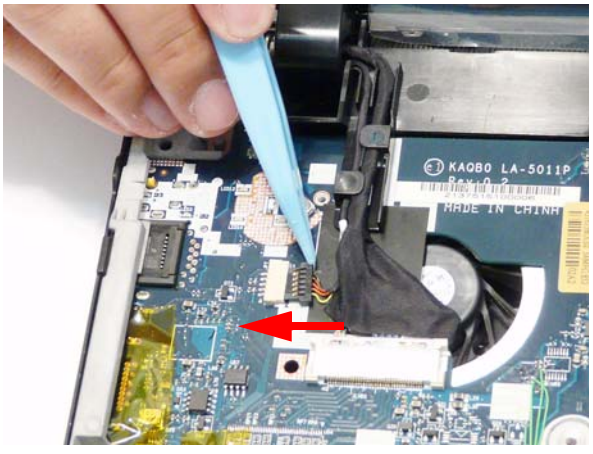
4. Run the LVDS cable along the cable channel using all the cable clips.



5. Connect the LVDS cable to the Mainboard as shown.



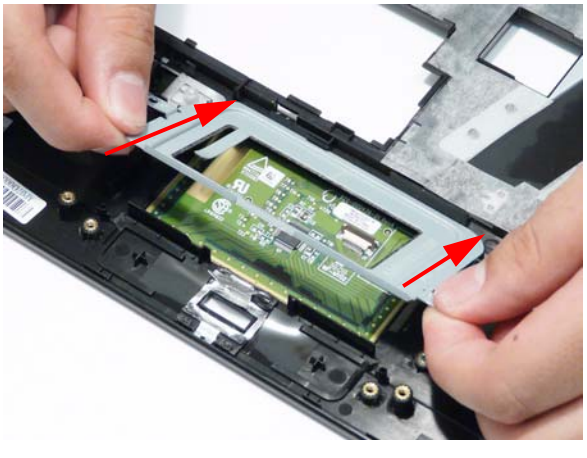
6. Connect the Conductive cable to the Mainboard as shown.



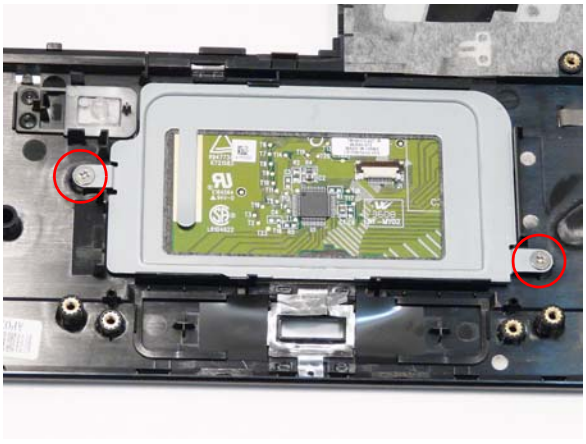
Replacing the TouchPad Bracket

IMPORTANT: The TouchPad cannot removed from the Upper Cover. Replace the entire Upper Cover if the TouchPad malfunctions.

1. Insert the TouchPad Bracket into the upper cover so the tabs slide into the securing slots in the upper cover.



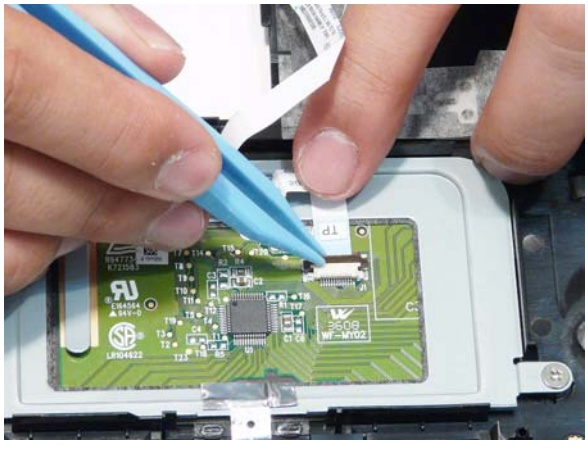
2. Insert the two screws to secure the TouchPad Bracket in place.



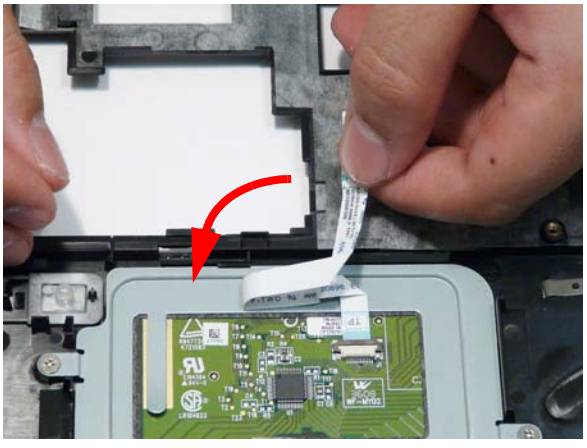
Step	Size	Quantity	Screw Type
TouchPad Bracket	M2.5*3	2	

3. Adhere the Finger Print Reader protection strip to the TouchPad Bracket as shown.

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

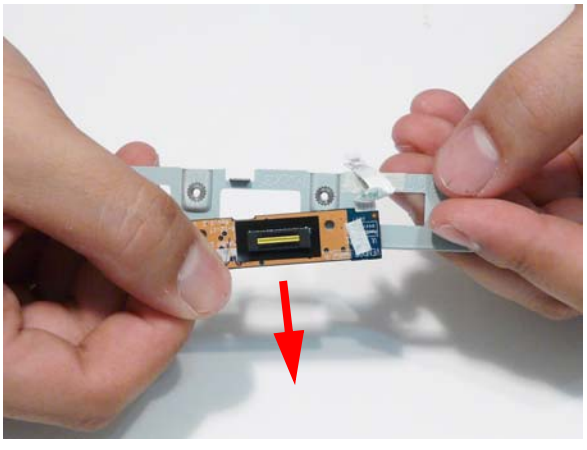


5. Adhere the TouchPad FFC to the touchpad bracket as shown.

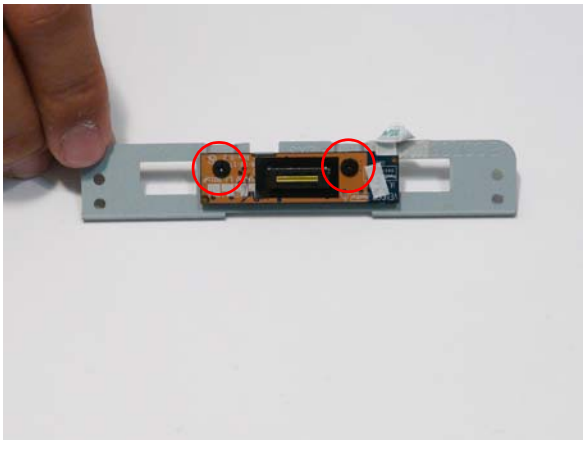


Replacing the Button Board and Finger Print Reader

1. Place the Finger Print Reader into the bracket as shown.

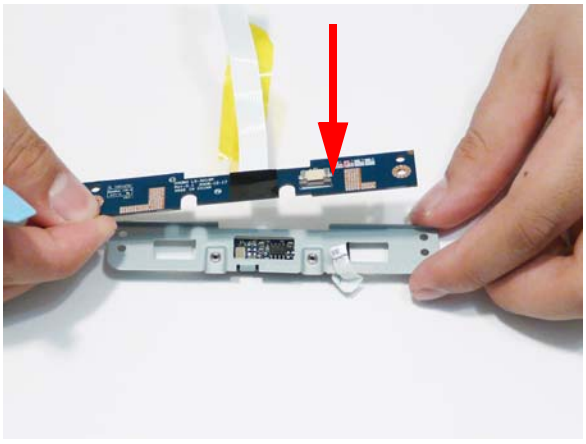


2. Insert the two screws to secure the Finger Print Reader to the bracket.

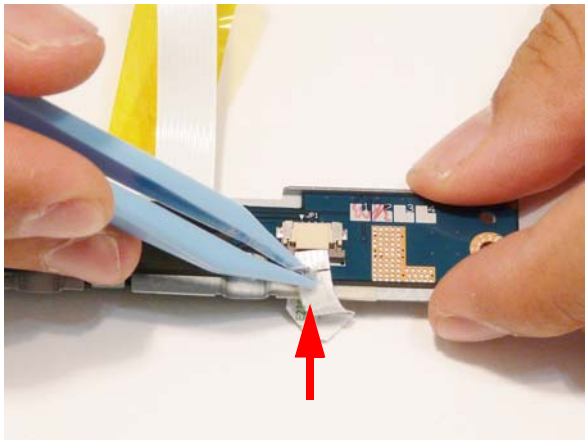


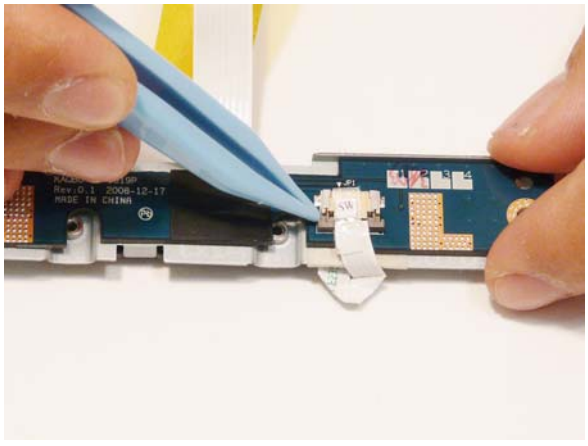
Step	Size	Quantity	Screw Type
Finger Print Reader	M2*3	2	

3. Place the Button Board into the bracket.

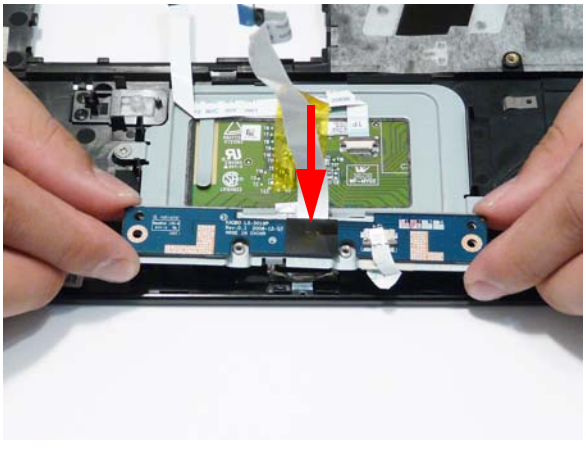


4. Connect the Finger Print Reader FFC to the Button Board and close the FFC locking latch.

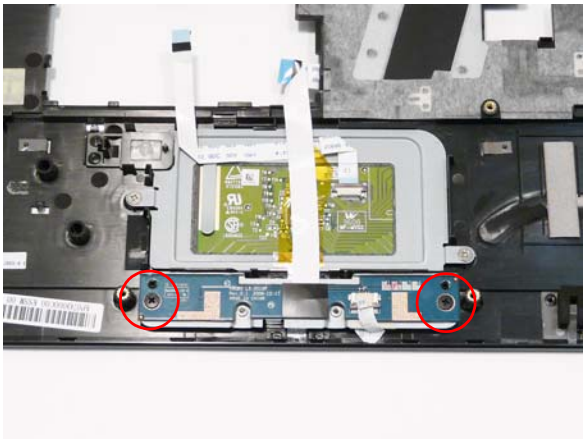




5. Place the button board assembly into the Upper Cover, taking care to align the screw holes.

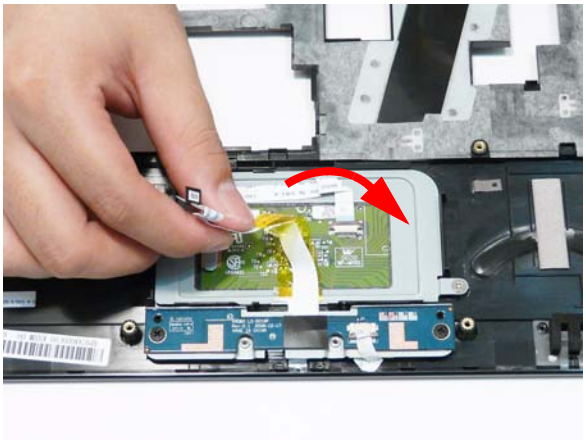


6. Replace the two screws to secure the Button Board and Finger Print Reader to the Upper Cover.



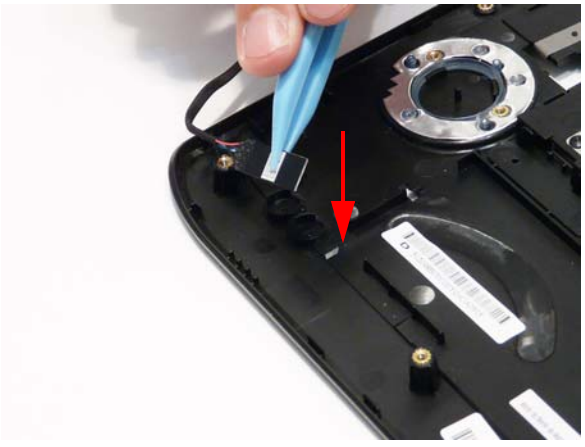
Step	Size	Quantity	Screw Type
Button Board	M2.5*5	2	

7. Adhire the Button Board FFC to the back of the touchpad.

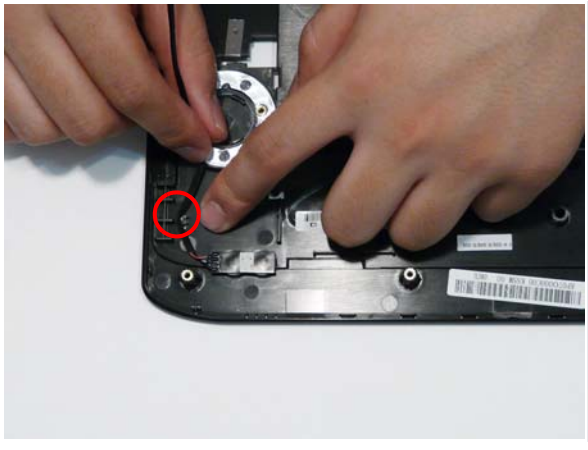


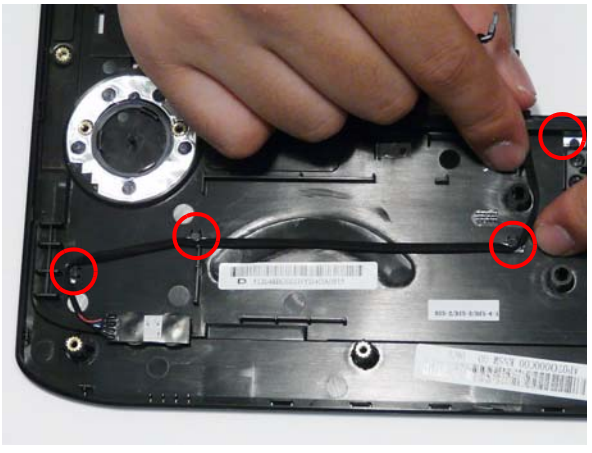
Replacing the MIC Board

1. Place the MIC Board into the Upper Cover as shown.

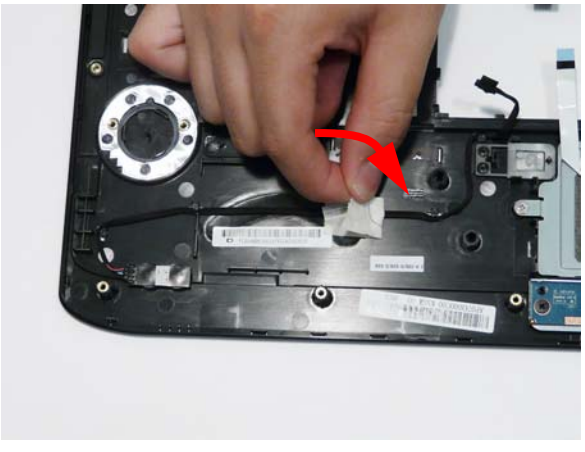


2. Insert the MIC cable from the cable channel as shown. Ensure that the cable is secured by all cable clips.



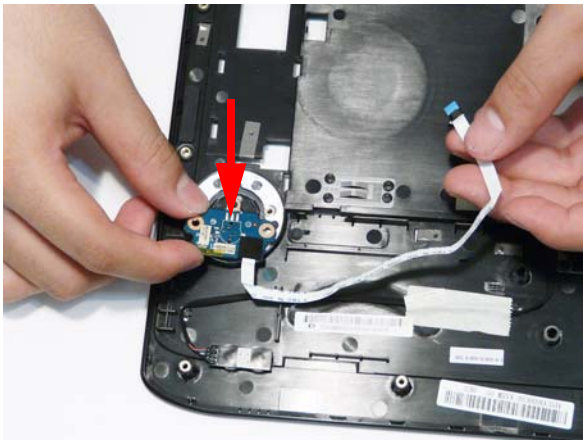


3. Adhere the adhesive tape to secure the MIC cable to the Upper Cover.

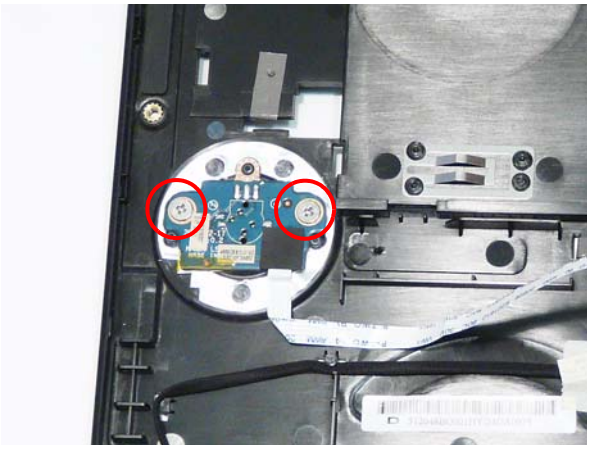


Replacing the Volume Control Board

1. Place the board into the Upper Cover.

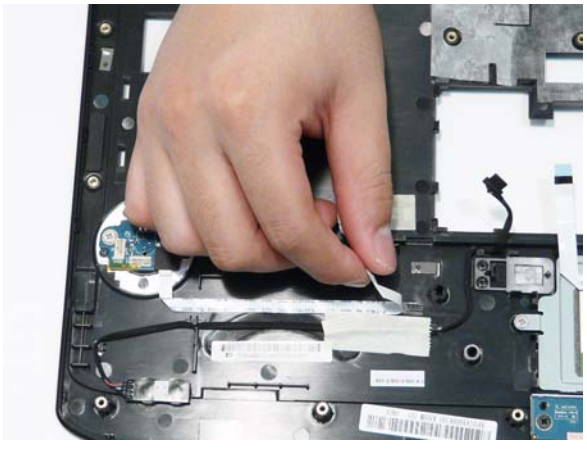


2. Insert the two screws to secure the board to the Upper Cover.



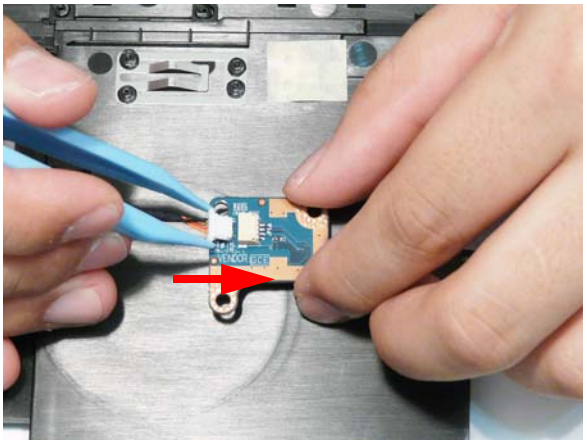
Step	Size	Quantity	Screw Type
Volume Control Board	M2.5*3	2	

3. Adhere Volume Control Board FFC to the Upper Cover as shown.

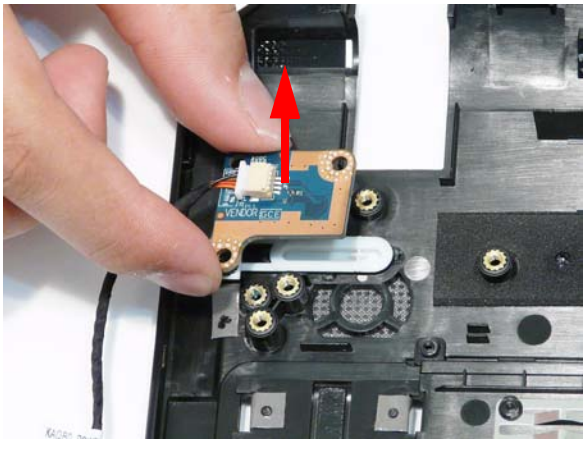


Replacing the Power Saving Board

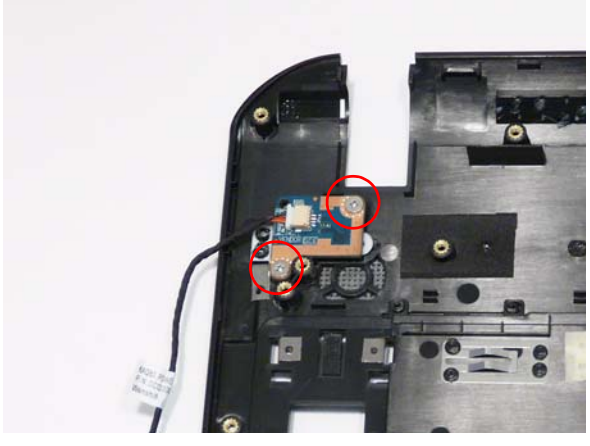
1. Connect the cable to the Power Saving Board as shown.



2. Place the board into the chassis.

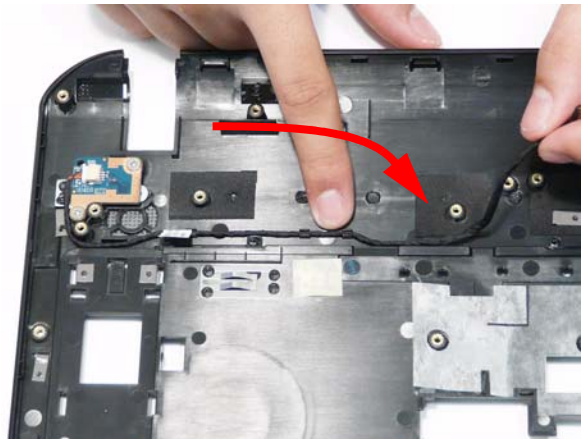


3. Insert the two securing screws into the board.



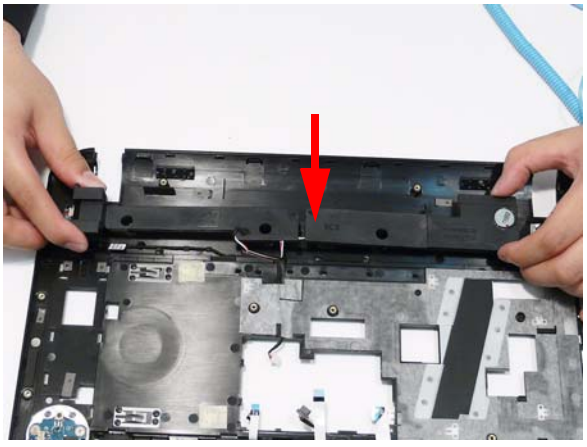
Step	Size	Quantity	Screw Type
Power Saving Board	M2.5*3	2	

4. insert the Power Saving Board cable into the cable channel as shown.



Replacing the Speaker Module

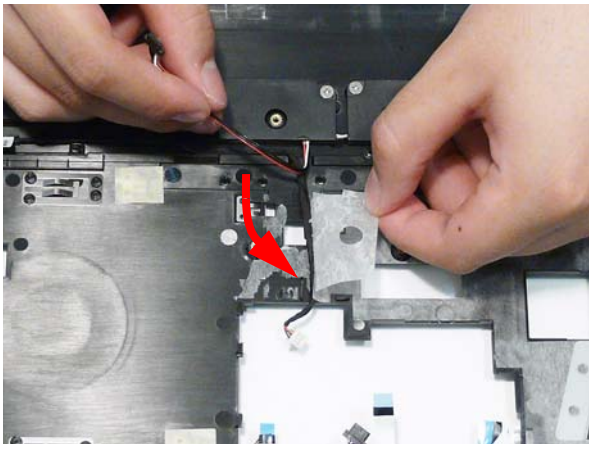
1. Using both hands, place the Speaker Module into the Upper Cover.



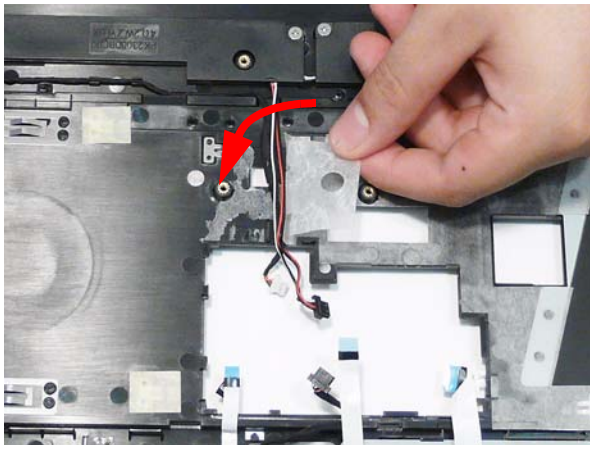
2. Insert the four screws to secure the Speaker module to the Upper Cover.

Step	Size	Quantity	Screw Type
Speaker Module	M2.5*3	4	

3. Insert the Speaker cable into the cable channel as shown.

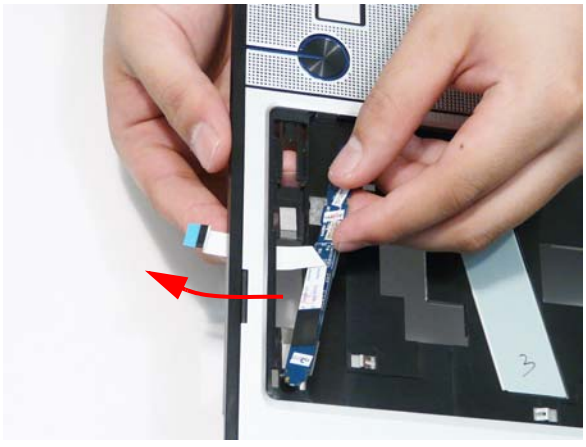


4. Replace the mylar covering to cover the Speaker cable as shown.

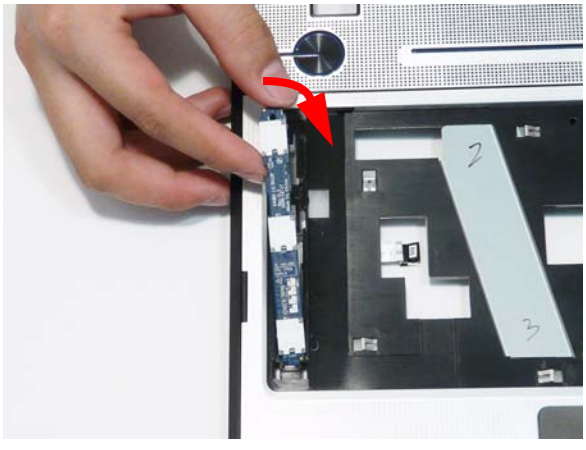


Replacing the Launch Board

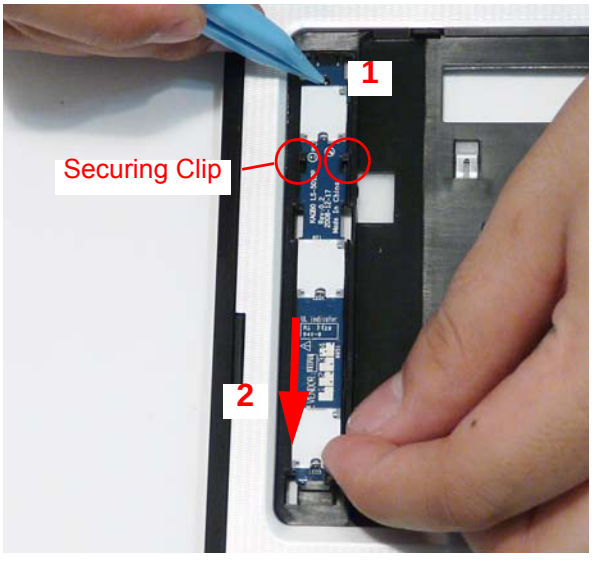
1. Feed the FFC through the penetration in the Upper Cover as shown.



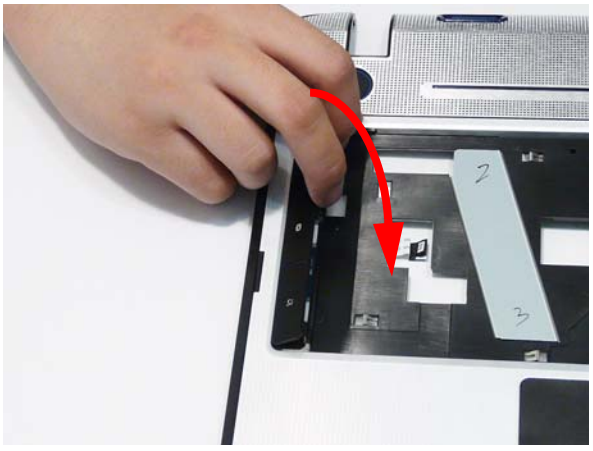
2. Place the Launch Board into the Upper Cover.



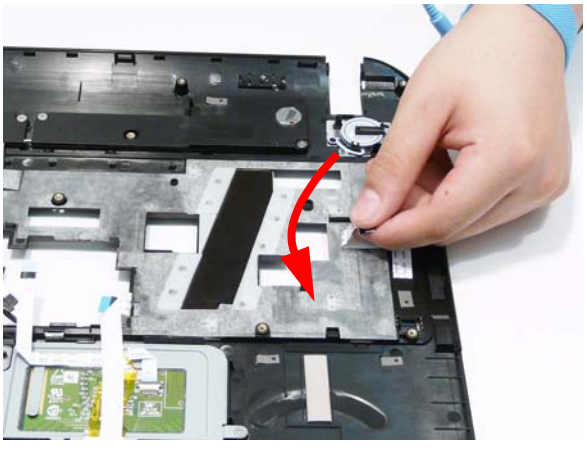
3. Press down on the top of the board toengage the securing clips (1) and push the Launch Board in the direction of the arrow (2) to lock the board in place.



4. Turn the Upper Cover over and insert the Launch Board cover into the Upper Cover.

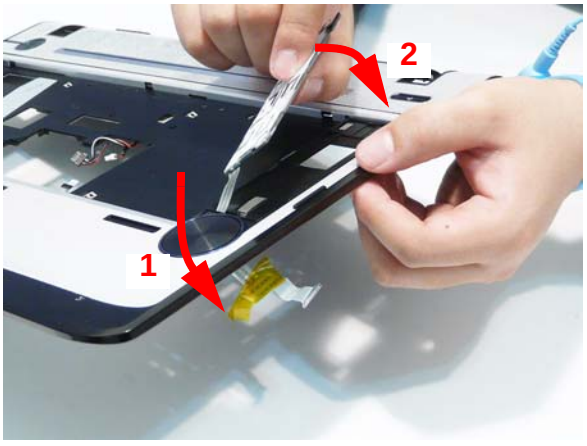


5. Turn the Upper Cover over and adhere the Launch Board FFC to the upper cover.

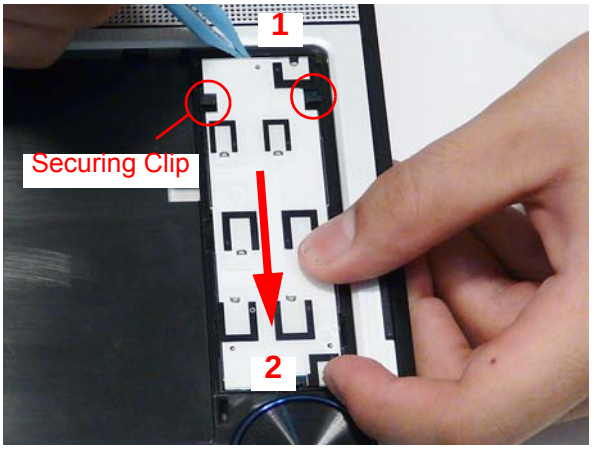


Replacing the Media Board

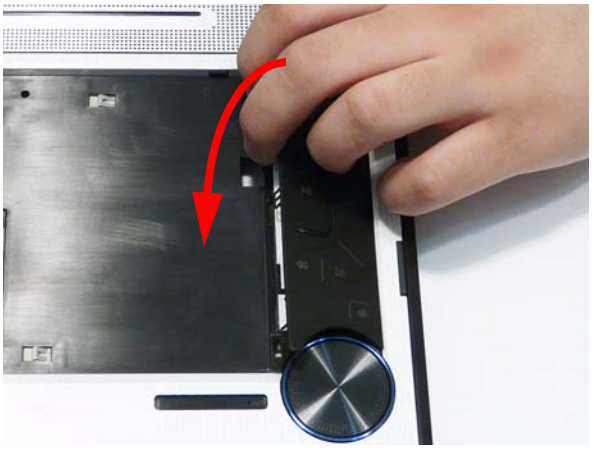
1. Insert the FFC into the penetration in the the Upper Cover (1) and place the Media Board into the Upper Cover (2) as shown.



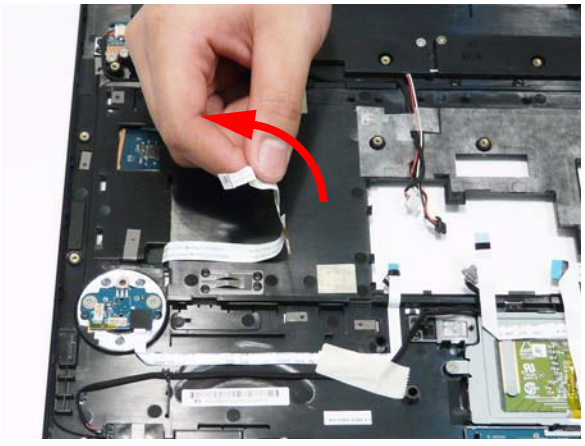
2. Press down on the board so the securing clips engage and push the Media Board in the direction of the arrow (2).



3. Turn the Upper Cover over. Insert the Media Board cover into the Upper Cover as shown; a click indicates the securing clips have engaged.

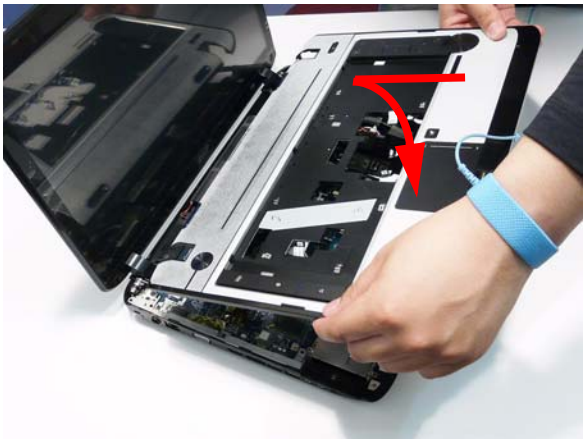


4. Turn the Upper Cover over and adhere the Media Board FFC to the upper cover.



Replacing the Upper Cover

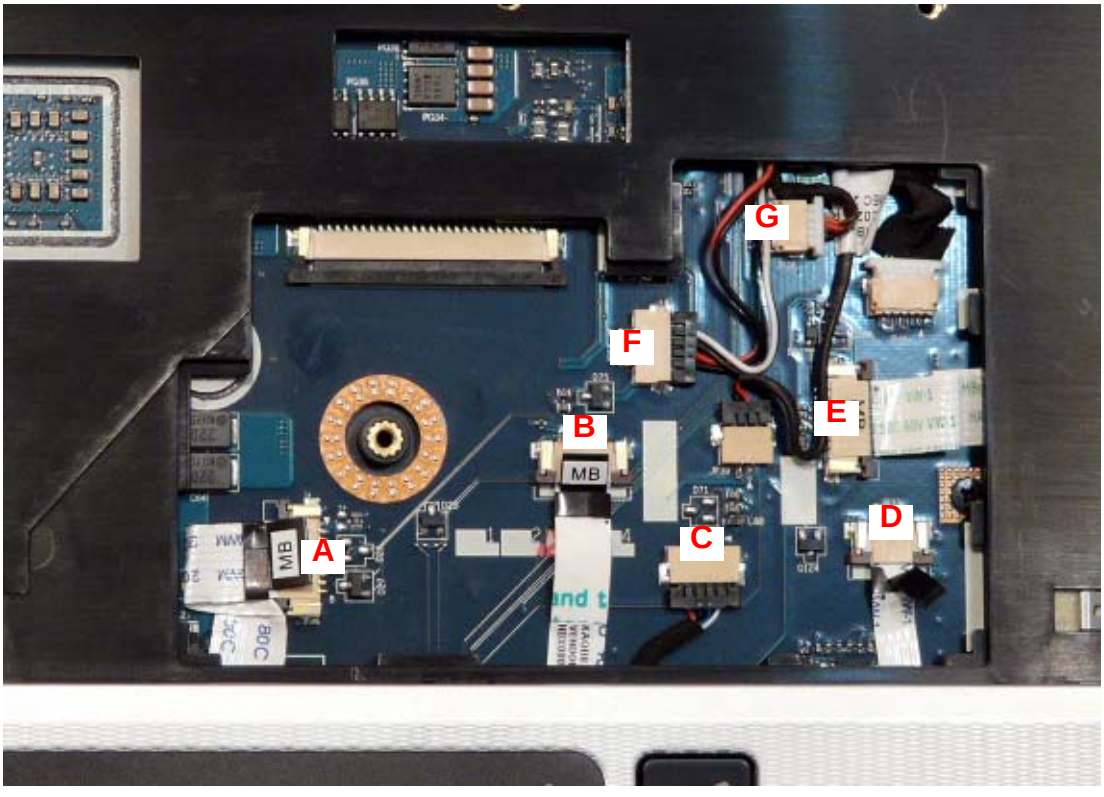
1. Insert the Upper Cover into the assembly back edge first as shown.



2. Work along the casing on the right and left sides toward the front edge, pressing the casing together. A click indicates the securing clips have engaged.

3. Starting on the front left side of the casing and working along toward the right, press the upper and lower covers together as shown. A click indicates the securing clips have engaged.

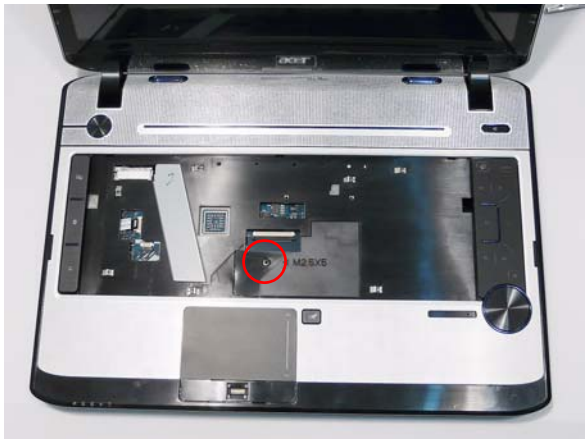
4. Connect the following FFCs (A, B, D, and E) and cables (C, F, and G) to the Mainboard.

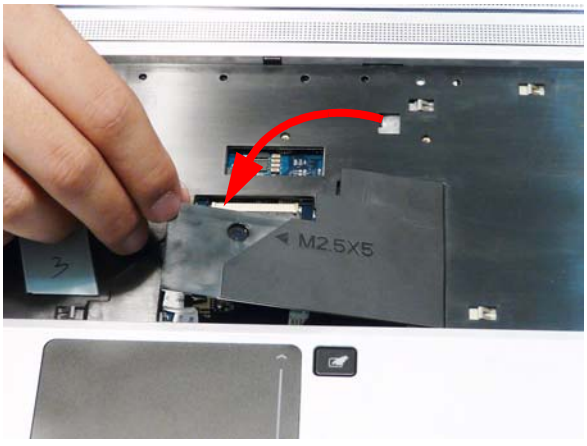


NOTE: Avoid pulling on cables directly to prevent damage to the connectors.

NOTE: Use the pull-tabs on FFC cables whenever available to prevent damage.

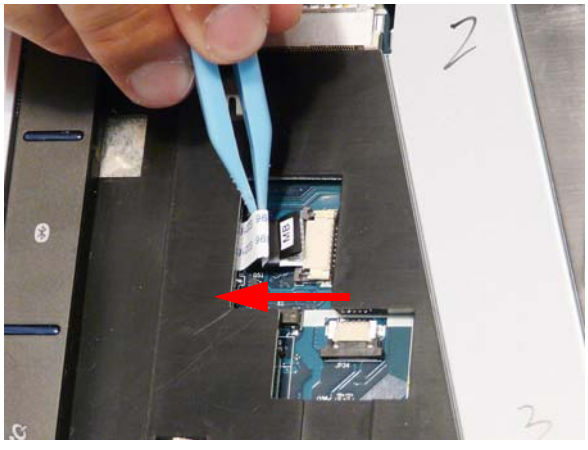
5. Replace the Keyboard Cover and insert the single screw securing the Keyboard Cover to the Upper Cover. .

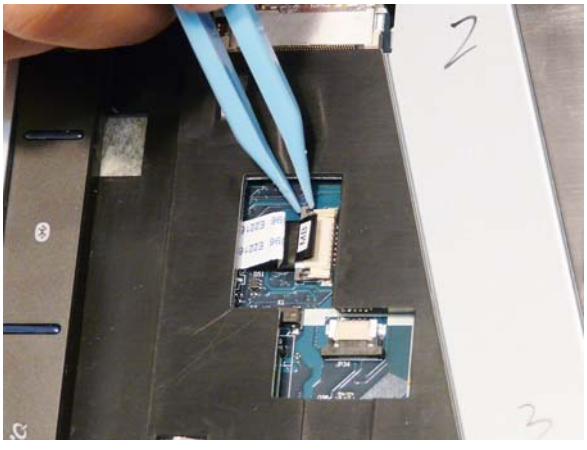




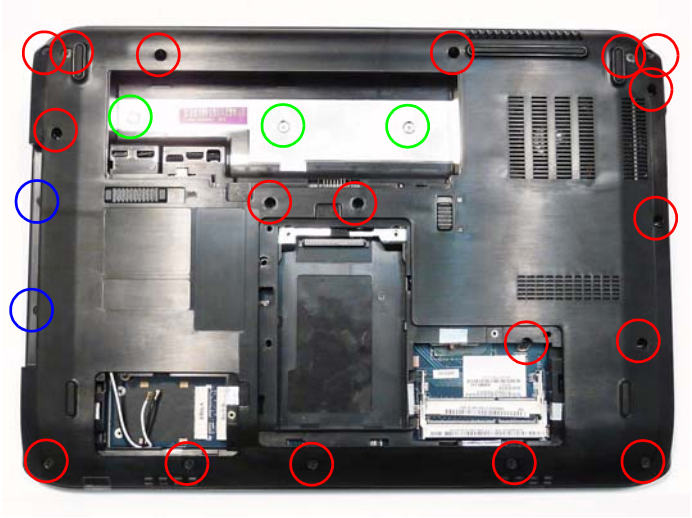
Step	Size	Quantity	Screw Type
Keyboard Cover	M2.5*5	1	

6. Turn the computer over. Connect the Launch Board FFC connector and lock the FFC connector.





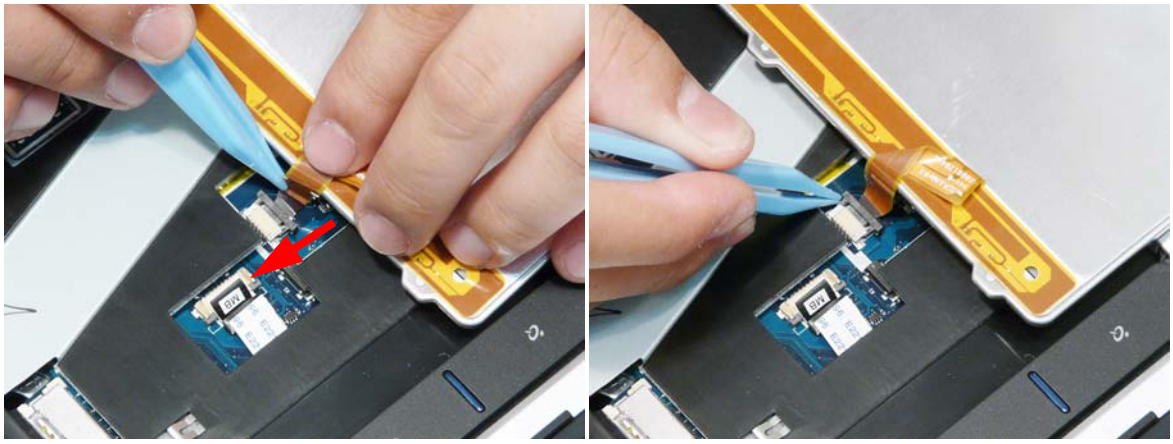
7. Turn the computer over. Insert the twenty-three screws on the bottom panel.



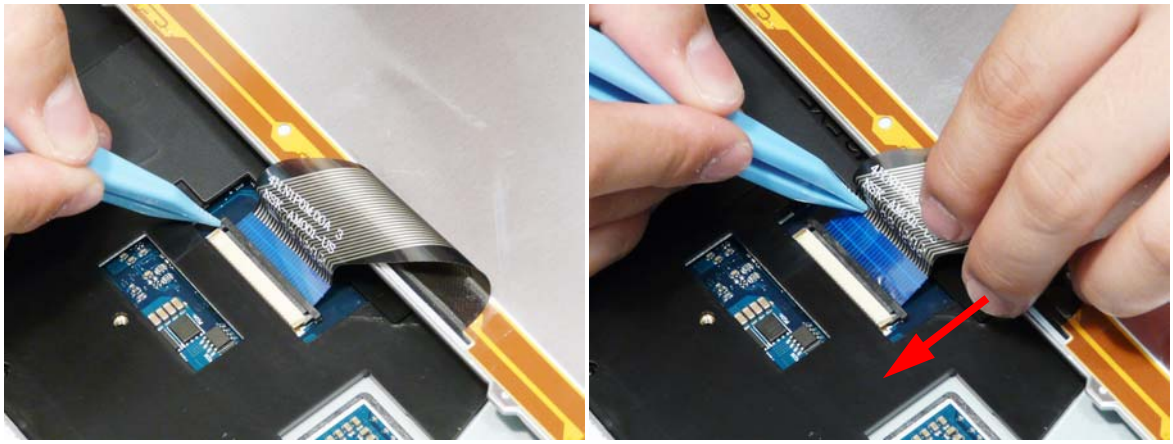
Step	Size	Quantity	Screw Type
Upper Cover (red callout)	M2.5*8	18	
Upper Cover (blue callout)	M2.5*5	2	
Upper Cover (green callout)	M2.5*3	3	

Replacing the Keyboard

8. Insert the Keyboard backlight FFC and lock the connector.



9. Connect the Keyboard FFC and lock the connector.



10. Slide the keyboard away from the LCD screen to engage the securing tabs on the keyboard.

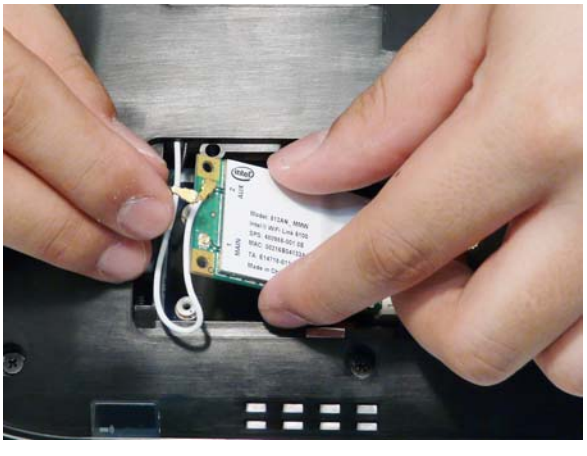
11. Press down around the edges of the Keyboard to secure it in place.

Replacing the WLAN Module

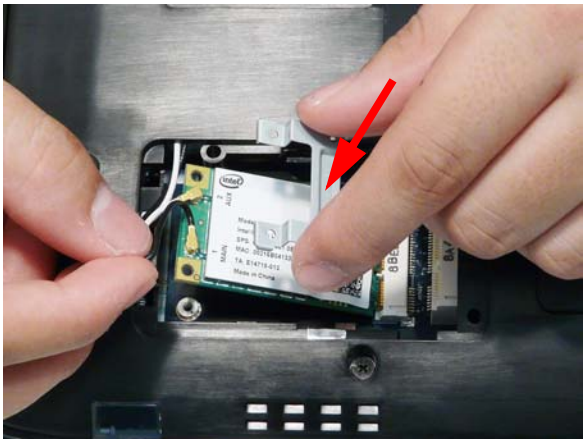
1. Insert the WLAN Module into the mini-card socket.

2. Connect the antenna cables to the WLAN Module.

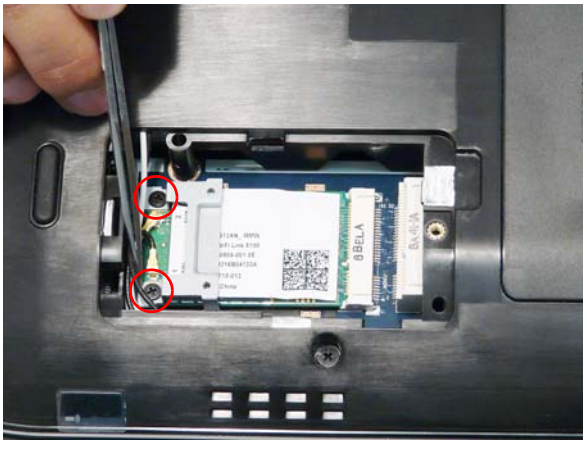
IMPORTANT: The black cable attaches to the **MAIN** terminal and the white cable attaches to the **AUX** terminal.



3. Replace the Mini-Card Bracket as shown.



4. Insert the two screws to secure the Mini-Card Bracket and WLAN Module to the Mainboard



Step	Size	Quantity	Screw Type
WLAN Module	M2*3	2	

Replacing the DIMM Modules

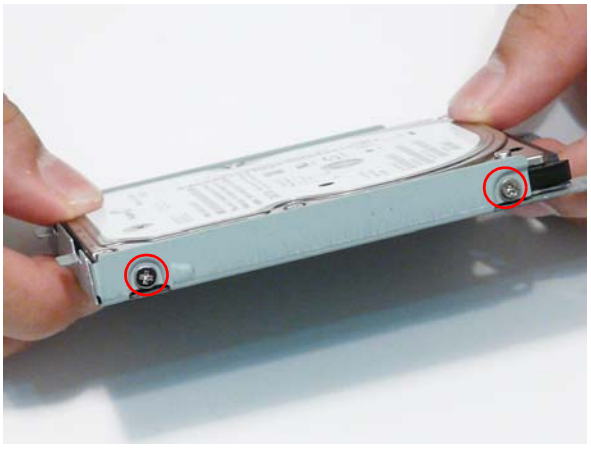
1. Insert the DIMM Module in place.

2. Press down to lock the DIMM module in place.

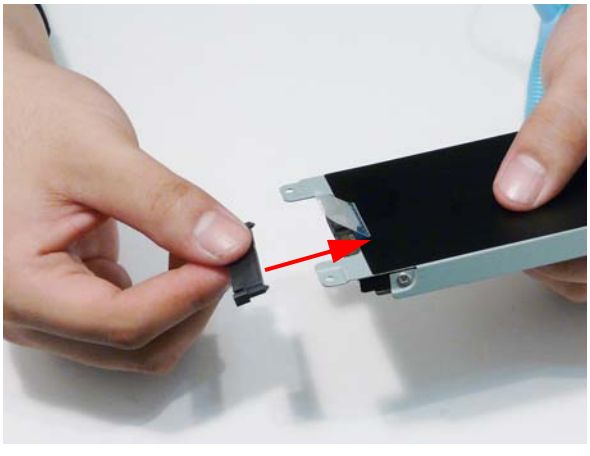
Replacing the Hard Disk Drive Module

1. Place the HDD in the HDD carrier.

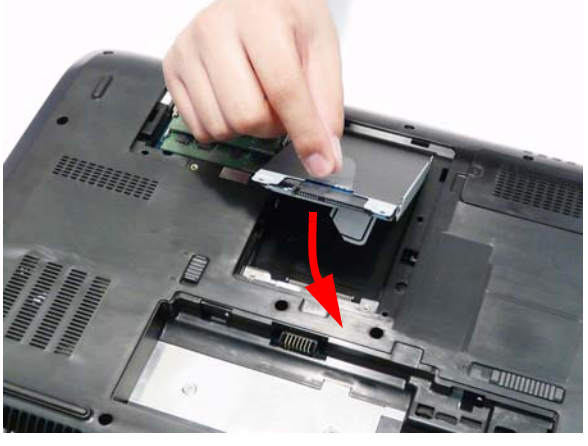
2. Replace the four screws (two each side) to secure the carrier.



3. Insert the HDD SATA interface connector as shown.

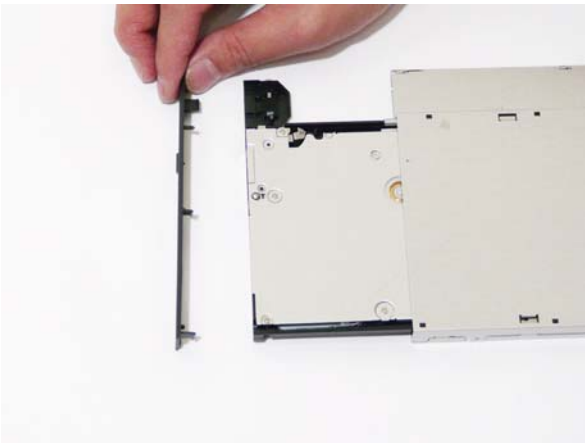


4. Place the HDD into the chassis as shown to engage the interface.



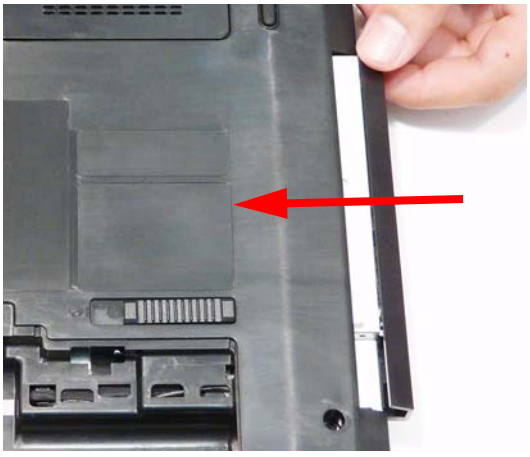
Replacing the ODD Module

1. With the ODD tray in the eject position, replace the ODD bezel on the new ODD Module.

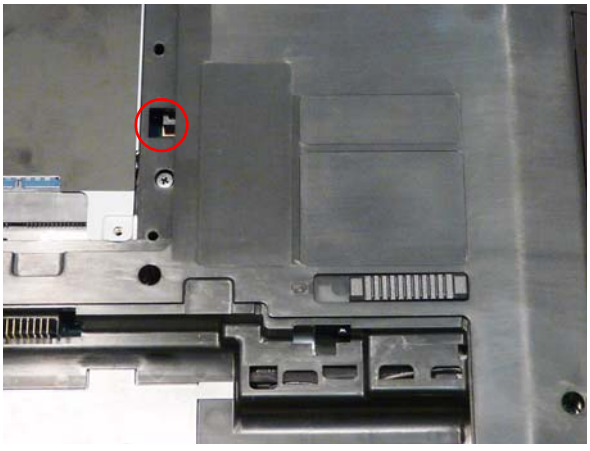


2. Secure ODD bracket with two screws.

3. Slide the module in to the chassis and press until the module is flush with the chassis.



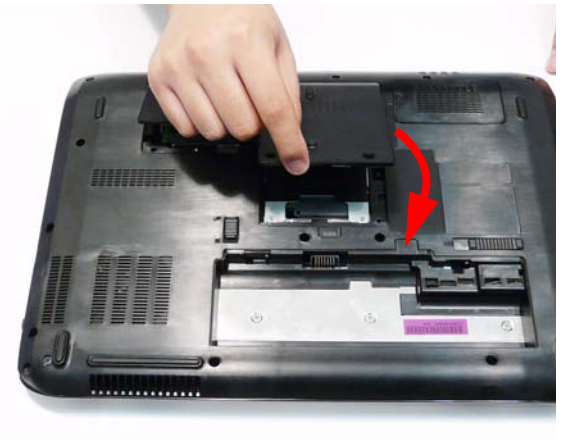
4. Replace the single screw to secure the Module.



Replacing the Lower Covers

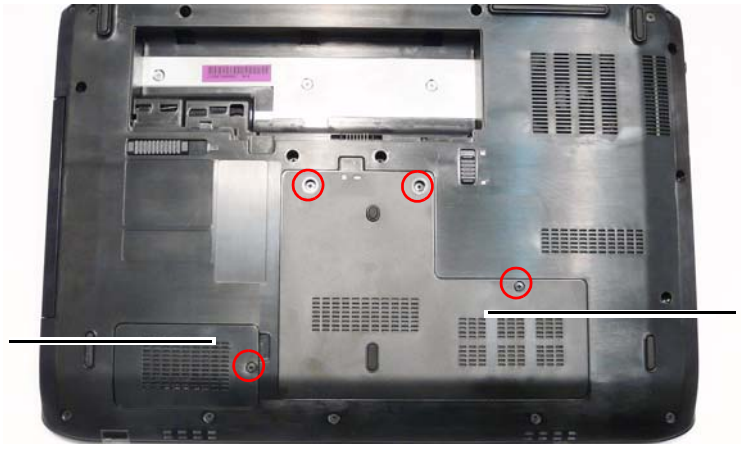
1. Replace the Memory Cover back edge first as shown.

2. Replace the memory/HDD cover back edge first as shown.



IMPORTANT: Ensure that the all the securing tabs are correctly located in the casing.

3. Secure the four captive screws.



Replacing the SD Dummy Card

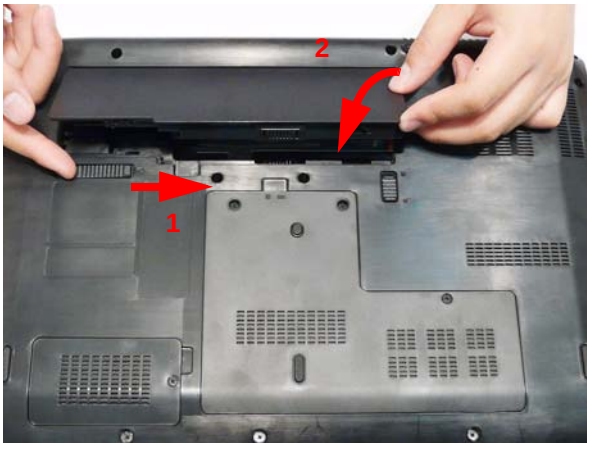
Push the SD Dummy into the slot until an audible click indicates that the card is correctly inserted.

Replacing the PCI Express Dummy Card

Push the Express Dummy into the slot until an audible click indicates that the card is correctly inserted.

Replacing the Battery

1. Slide and hold the battery release latch to the release position (1), insert the battery pack and press down (2).



2. Slide the battery lock in the direction shown to secure the battery in place.

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.

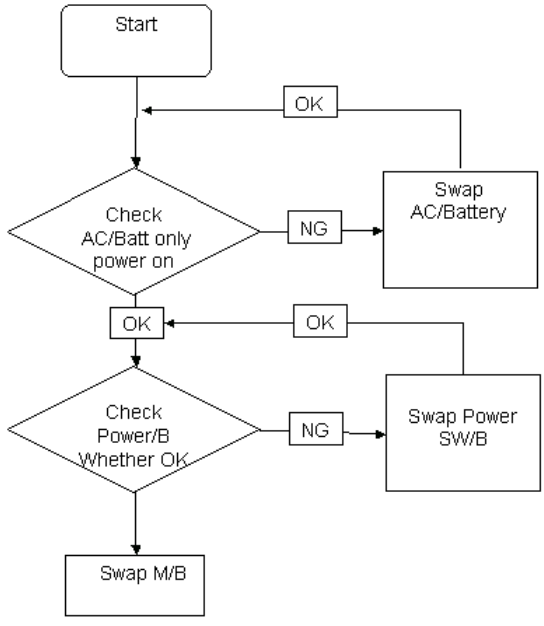
1. Obtain the failing symptoms in as much detail as possible.
2. Verify the symptoms by attempting to re-create the failure by running the diagnostic test or by repeating the same operation.
3. Use the following table with the verified symptom to determine which page to go to.

Symptoms (Verified)	Go To
Power On Issue	Page 136
No Display Issue	Page 137
LCD Failure	Page 139
Internal Keyboard Failure	Page 139
TouchPad Failure	Page 140
Internal Speaker Failure	Page 140
Internal Microphone Failure	Page 142
ODD Failure	Page 144
Modem Failure	Page 147
WLAN Failure	Page 147
Thermal Unit 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 219.

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:



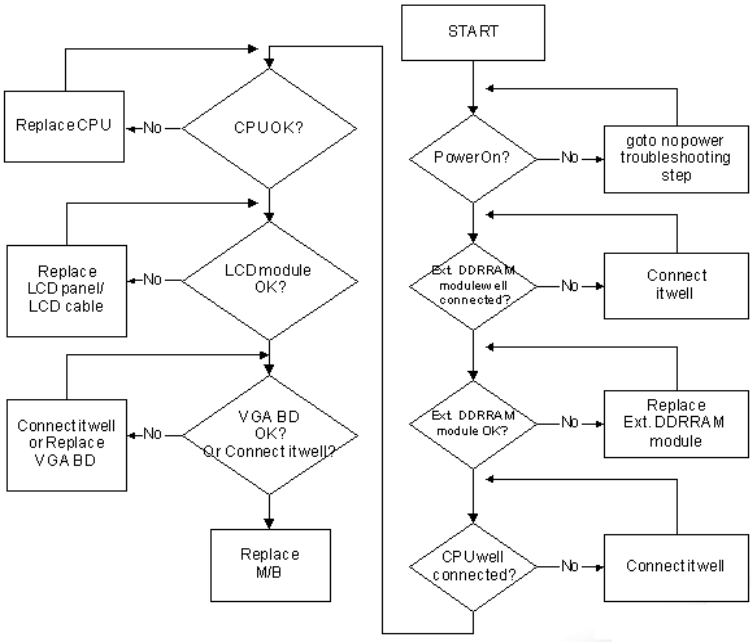
Computer Shutsdown Intermittently

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. Disconnect the power and open the casing to check the Thermal Unit (see "Thermal Unit Failure" on page 148) and fan airways are free of obstructions.
5. Remove all external and non-essential hardware connected to the computer that are not necessary to boot the computer to the failure point.
6. Remove any recently installed software.
7. If the Issue is still not resolved, see "Online Support Information" on page 219.

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 136.
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 139.
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 46).
8. If the Issue is still not resolved, see "Online Support Information" on page 219.

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 46.
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 46.
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 46.
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 219.
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 219.

Random Loss of BIOS Settings

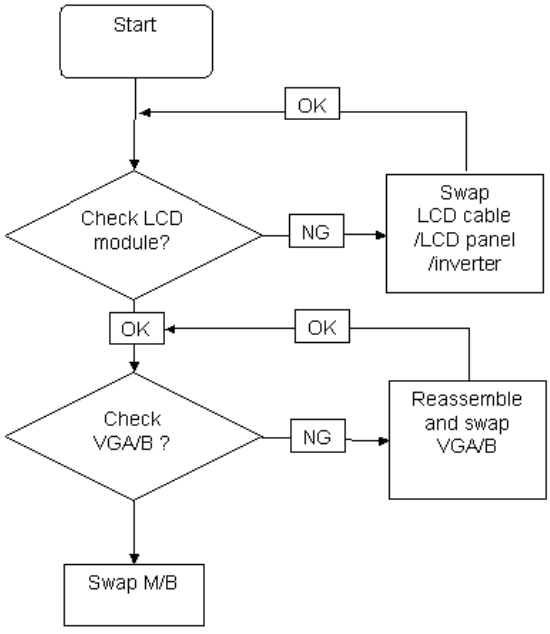
If the computer is experiencing intermittent loss of BIOS information, perform the following actions one at a time to correct the problem.

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 219.

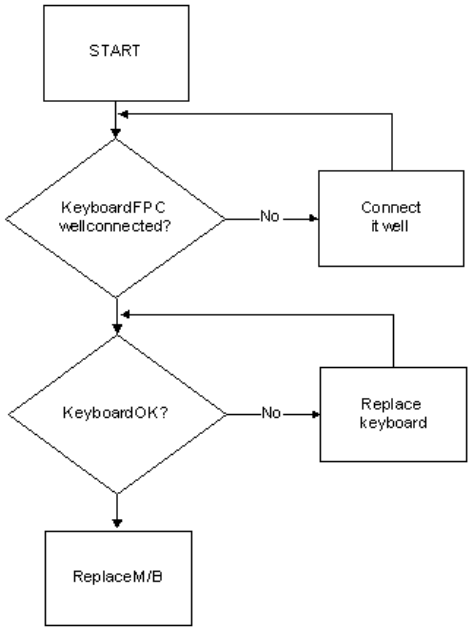
LCD Failure

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



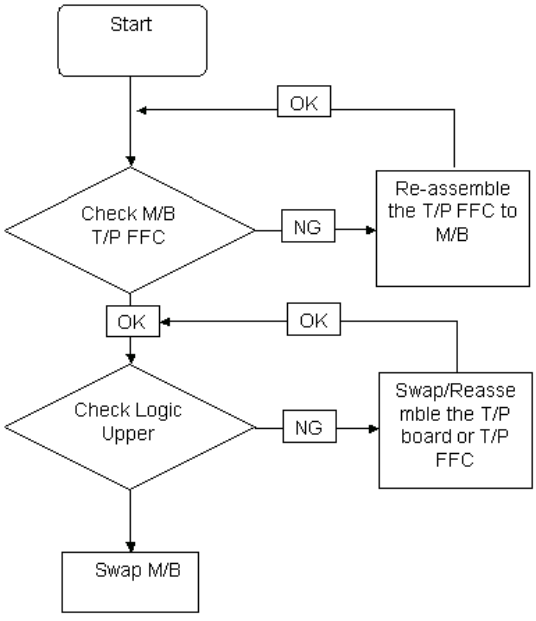
Built-In Keyboard Failure

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:



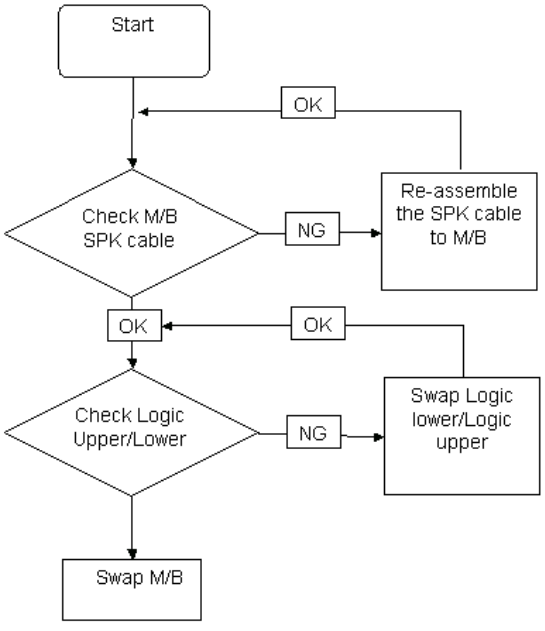
TouchPad Failure

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:



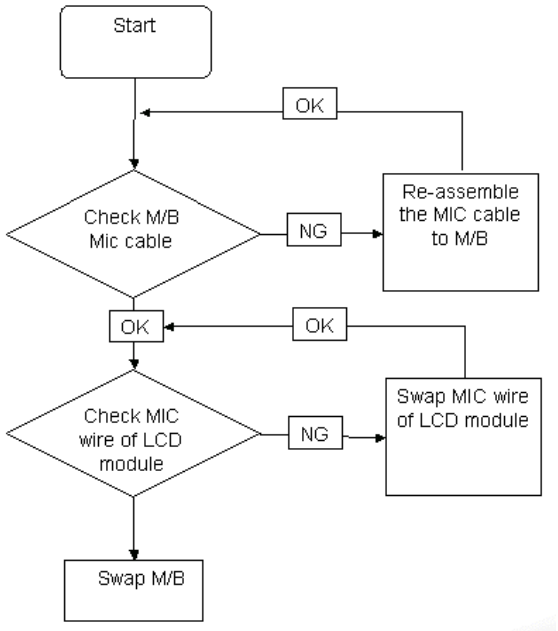
Sound Problems

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 219.

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 219.

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 7 Startup Repair Utility:
   a. insert the Windows 7 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.

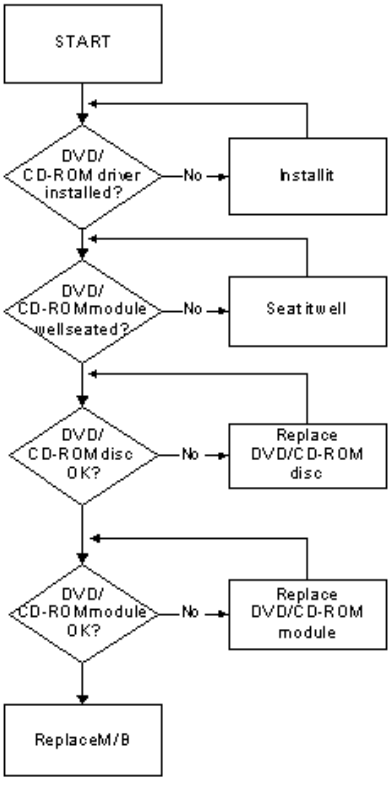
   g. Select **Startup Repair**.
   h. Startup Repair attempts to locate and resolve issues with the computer.
   i. When complete, click **Finish**.

   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 46.

ODD Failure

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



ODD Not Operating Correctly

If the **ODD** exhibits any of the following symptoms it may be faulty:

- Audio CDs do not play when loaded
- DVDs do not play when loaded
- Blank discs do not burn correctly
- DVD or CD play breaks up or jumps
- Optical drive not found or not active:
  - Not shown in My Computer or the BIOS setup
  - LED does not flash when the computer starts up
  - The tray does not eject
- Access failure screen displays
- The ODD is noisy

Perform the following general solutions one at a time to correct the problem.

1. Reboot the computer and retry the operation.
2. Try an alternate disc.
3. Navigate to **Start**→ **Computer**. Check that the ODD device is displayed in the **Devices with Removable Storage** panel.
4. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.

a. Double-click **IDE ATA/ATAPI controllers**. If a device displays a down arrow, right-click on the device and click **Enable**.

b. Double-click **DVD/CD-ROM drives**. If the device displays a down arrow, right-click on the device and click **Enable**.

c. Check that there are no yellow exclamation marks against the items in **IDE ATA/ATAPI controllers**. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.

d. Check that there are no yellow exclamation marks against the items in **DVD/CD-ROM drives**. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.

e. If the exclamation marker is not removed from the item in the lists, try removing any recently installed software and retrying the operation.

Discs Do Not Play

If discs do not play when inserted in the drive, perform the following actions one at a time to correct the problem.

1. Check that the disc is correctly seated in the drive tray and that the label on the disc is visible.
2. Check that the media is clean and scratch free.
3. Try an alternate disc in the drive.
4. Ensure that **AutoPlay** is enabled:
   a. Navigate to **Start**→ **Control Panel**→ **Hardware and Sound**→ **AutoPlay**.
   b. Select **Use AutoPlay for all media and devices**.
   c. In the Audio CD and DVD Movie fields, select the desired player from the drop down menu.
5. Check that the Regional Code is correct for the selected media:

IMPORTANT: Region can only be changed a limited number of times. After Changes remaining reaches zero, the region cannot be changed even Windows is reinstalled or the drive is moved to another computer.

   a. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.
   b. Double-click **DVD/CD-ROM drives**.
   c. Right-click **DVD drive** and click **Properties**, then click the **DVD Region** tab.
   d. Select the region suitable for the media inserted in the drive.

Discs Do Not Burn Properly

If discs can not be burned, perform the following actions one at a time to correct the problem.

1. Ensure that the default drive is record enabled:
   a. Navigate to **Start**→ **Computer** and right-click the writable ODD icon. Click **Properties**.
   b. Select the **Recording** tab. In the **Desktop disc recording** panel, select the writable ODD from the drop down list.
   c. Click **OK**.
2. Ensure that the software used for burning discs is the factory default. If using different software, refer to the software's user manual.

Playback is Choppy

If playback is choppy or jumps, perform the following actions one at a time to correct the problem.

1. Check that system resources are not running low:
   a. Try closing some applications.
   b. Reboot and try the operation again.
2. Check that the ODD controller transfer mode is set to DMA:
   a. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.

b. Double-click **IDE ATA/ATAPI controllers**, then right-click ATA Device 0.

c. Click **Properties** and select the **Advanced Settings** tab. Ensure that the **Enable DMA** box is checked and click **OK**.

d. Repeat for the other ATA Devices shown if applicable.

Drive Not Detected

If Windows cannot detect the drive, perform the following actions one at a time to correct the problem.

1. Restart the computer and press F2 to enter the BIOS Utility.
2. Check that the drive is detected in the **ATAPI Model Name** field on the Information page.
   NOTE: Check that the entry is identical to one of the ODDs specified in “Hardware Specifications and Configurations” on page 16.
3. Turn off the power and remove the cover to inspect the connections to the ODD. See “Disassembly Process” on page 46.
   a. Check for broken connectors on the drive, motherboard, and cables.
   b. Check for bent or broken pins on the drive, motherboard, and cable connections.
   c. Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
4. Reseat the drive ensuring and all cables are connected correctly.
5. Replace the ODD. See “Disassembly Process” on page 46.

Drive Read Failure

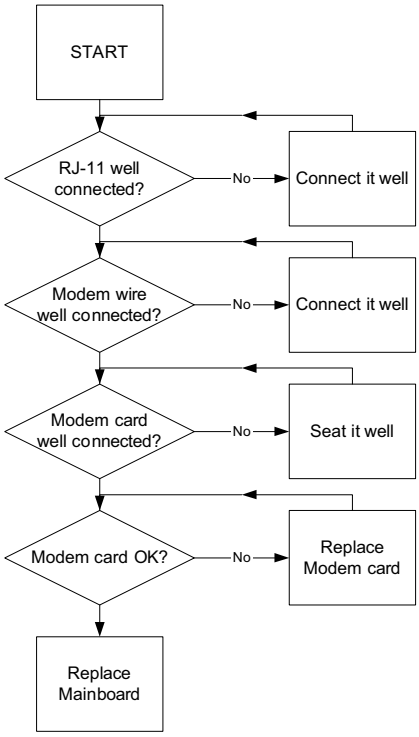
If discs cannot be read when inserted in the drive, perform the following actions one at a time to correct the problem.

1. Remove and clean the failed disc.
2. Retry reading the CD or DVD.
   d. Test the drive using other discs.
   e. Play a DVD movie
   f. Listen to a music CD

   If the ODD works properly with alternate discs, the original disc is probably defective and should be replaced.
3. Turn off the power and remove the cover to inspect the connections to the ODD. See “Disassembly Process” on page 46.
   a. Check for broken connectors on the drive, motherboard, and cables.
   b. Check for bent or broken pins on the drive, motherboard, and cable connections.
   c. Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
4. Replace the ODD. See “Disassembly Process” on page 46.

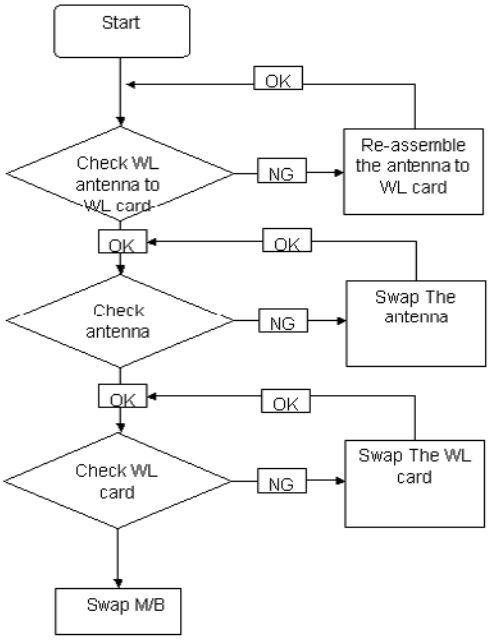
Modem Function Failure

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



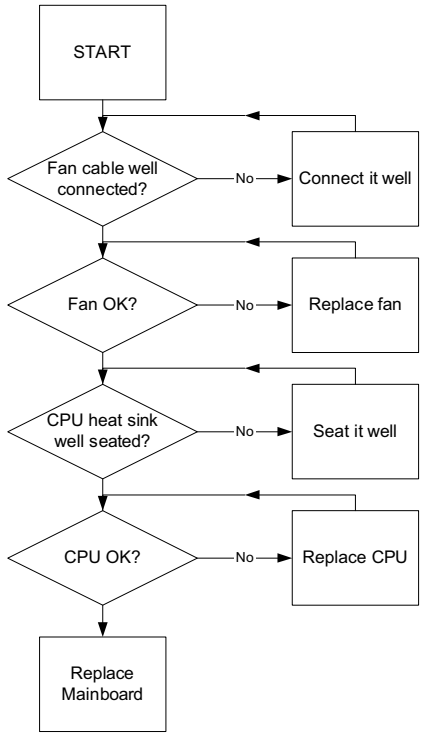
Wireless Function Failure

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



Thermal Unit Failure

If the **Thermal Unit** 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 219.

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 136.):

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 Codes

These tables describe the POST codes and descriptions during the POST.

Chipset POST Codes

The following table details the chipset POST codes and functions used in the POST.

Port 80 Code	Driver Name	Port 80 Code	Driver Name
01	PeiEventLog	41	StatusCode
02	OemServices	42	Variable
03	SioInit	CF	SmmVariable
04	MonoStatusCode	43	EmuVariable
08	PentiumMCpuPeim	A2	TcgDxe
09	PlatformStage1	A3	PhysicalPresence
0A	Variable	AE	TpmDriver
0B	IchInit	AE	TcgSmm
0D	PlatformStage2	AE	PhysicalPresenceReadyToBoot
0E	IchSmbusArpDisabled	AD	DataHubRecordPolicy
12	ClockGen	86	Undi
13	OpPresence	90	SNP
14	TcgPei	91	BC
15	FindFv	92	PxeDhcp4
2F	DxeIpl	93	Ebc
10	LightMemoryInit	4D	IsaBus
11	S3ResumeSoftSmi	4E	IsaSerial
31	Crc32SectionExtract	6D	Ps2Mouse
A4	OemServices	4F	IdeBus
A5	EventLog	50	LightPciBus
32	ScriptSave	6E	UsbBot
33	AcpiS3Save	6F	UsbCbi0
34	SmartTimer	70	UsbCbi1
35	JpegDecoder	71	UsbKb
36	PcxDecoder	72	UsbMassStorage
8A	PlatformBds	74	UsbMouse
37	MpCpu	8F	Ehci
38	LegacyMetronome	73	Uhci
39	FtwLite	75	UsbBus
3A	Runtime	C2	SmmBase
3B	MonotonicCounter	C5	SmmDisp
3C	WatchDogTimer	C4	SmmReloc
3D	SecurityStub	C7	SmmRuntime
3E	CpuIo	C9	SmmThunk
3F	Cf9Reset	D8	OemServices
40	PcRtc	44	ChipsetInit

Port 80 Code	Driver Name	Port 80 Code	Driver Name
C0	SmmAccess	7F	Font (French)
46	PciHostBridge	8D	Font (Chinese)
47	PciExpress	B1	UnicodeCollation
CD	GmchMbi	5A	ConPlatform
48	IchInit	5D	ConSplitter
49	IdeController	79	GraphicsConsole
4A	SataController	7A	Terminal
4B	IchSmbusLight	5E	VgaClass
C1	SmmControl	5B	SaveMemoryConfig
C8	Ich7MSmmDispatcher	5C	AcpiSupport
4C	IsaAcpiDriver	53	AcpiPlatform
52	Fwh	5F	DataHub
CE	SmmFwh	7B	DataHubStdErr
54	PciHotPlug	61	GenericMemoryTest
51	BootOptionPolicy	60	DiskIo
76	SetupUtility	7C	Fat
55	Platform	7D	Partition
56	PlatformIde	6B	PciPlatform
D9	Ppm	45	AlertStandardForma
CC	Platform	A8	PciSerial
D0	Ihisi	A7	AsfInit
f9	SetupMouse	A9	IdeRController
D1	Int15Microcode	63	Legacy8259
D2	SmmPnp	64	LegacyRegion
57	Smbios	65	LegacyInterrupt
58	MemorySubClass	66	BiosKeyboard
59	MiscSubclassDriver	67	BiosVideo
AB	SysPassword	68	MonitorKey
AC	PswdConsole	69	LegacyBios
D7	HddPswdServiceBody	6A	LegacyBiosPlatform
A6	HddPswdService	77	LegacyMouse
80	HiiDatabase	78	SmmUsbLegacy
82	OemSetupBrowser	AA	AmtbxInvoke
7E	Font(English)	83	OemBadgingSupport

Code	Beeps	POST Routine Description
02h		Verify Real Mode
03h		Disable Non-Maskable Interrupt (NMI)
04h		Get CPU type
06h		Initialize system hardware
08h		Initialize chipset with initial POST values
09h		Set IN POST flag

Code	Beeps	POST Routine Description
0Ah		Initialize CPU registers
0Bh		Enable CPU cache
0Ch		Initialize caches to initial POST values
0Eh		Initialize I/O component
0Fh		Initialize the local bus IDE
10h		Initialize Power Management
11h		Load alternate registers with initial POST values
12h		Restore CPU control word during warm boot
13h		Initialize PCI Bus Mastering devices
14h		Initialize keyboard controller
16h	1-2-2-3	BIOS ROM checksum
17h		Initialize cache before memory autosize
18h	8254	timer initialization
1Ah	8237	DMA controller initialization
1Ch		Reset Programmable Interrupt Controller
20h	1-3-1-1	Test DRAM refresh
22h	1-3-1-3	Test 8742 Keyboard Controller
24h		Set ES segment register to 4 GB
26h		Enable A20 line
28h		Autosize DRAM
29h		Initialize POST Memory Manager
2Ah		Clear 512 KB base RAM
2Ch	1-3-4-1	RAM failure on address line xxxx*
2Eh	1-3-4-3	RAM failure on data bits xxxx* of low byte of memory bus
2Fh		Enable cache before system BIOS shadow
30h	1-4-1-1	RAM failure on data bits xxxx* of high byte of memory bus
32h		Test CPU bus-clock frequency
33h		Initialize Phoenix Dispatch Manager
36h		Warm start shut down
38h		Shadow system BIOS ROM
3Ah		Autosize cache
3Ch		Advanced configuration of chipset registers
3Dh		Load alternate registers with CMOS values
42h		Initialize interrupt vectors
45h		POST device initialization
46h	2-1-2-3	Check ROM copyright notice
48h		Check video configuration against CMOS
49h		Initialize PCI bus and devices
4Ah		Initialize all video adapters in system
4Bh		QuietBoot start (optional)
4Ch		Shadow video BIOS ROM
4Eh		Display BIOS copyright notice
50h		Display CPU type and speed

Code	Beeps	POST Routine Description
51h		Initialize EISA board
52h		Test keyboard
54h		Set key click if enabled
58h	2-2-3-1	Test for unexpected interrupts
59h		Initialize POST display service
5Ah		Display prompt **Press F2 to enter SETUP**
5Bh		Disable CPU cache
5Ch		Test RAM between 512 and 640 KB
60h		Test extended memory
62h		Test extended memory address lines
64h		Jump to UserPatch1
66h		Configure advanced cache registers
67h		Initialize Multi Processor APIC
68h		Enable external and CPU caches
69h		Setup System Management Mode (SMM) area
6Ah		Display external L2 cache size
6Bh		Load custom defaults (optional)
6Ch		Display shadow-area message
6Eh		Display possible high address for UMB recovery
70h		Display error messages
72h		Check for configuration errors
76h		Check for keyboard errors
7Ch		Set up hardware interrupt vectors
7Eh		Initialize coprocessor if present
80h		Disable onboard Super I/O ports and IRQs
81h		Late POST device initialization
82h		Detect and install external RS232 ports
83h		Configure non-MCD IDE controllers
84h		Detect and install external parallel ports
85h		Initialize PC-compatible PnP ISA devices
86h		Re-initialize onboard I/O ports.
87h		Configure Motherboard Configurable Devices (optional)
88h		Initialize BIOS Data Area
89h		Enable Non-Maskable Interrupts (NMIs)
8Ah		Initialize Extended BIOS Data Area
8Bh		Test and initialize PS/2 mouse
8Ch		Initialize floppy controller
8Fh		Determine number of ATA drives (optional)
90h		Initialize hard-disk controllers
91h		Initialize local-bus hard-disk controllers
92h		Jump to UserPatch2
93h		Build MPTABLE for multi-processor boards
95h		Install CD ROM for boot

Code	Beeps	POST Routine Description
96h		Clear huge ES segment register
97h		Fixup Multi Processor table
98h	1-2	Search for option ROMs. One long, two short beeps on checksum failure
99h		Check for SMART Drive (optional)
9Ah		Shadow option ROMs
9Ch		Set up Power Management
9Dh		Initialize security engine (optional)
9Eh		Enable hardware interrupts
9Fh		Determine number of ATA and SCSI drives
A0h		Set time of day
A2h		Check key lock
A4h		Initialize Typematic rate
A8h		Erase F2 prompt
AAh		Scan for F2 key stroke
ACh		Enter SETUP
AEh		Clear Boot flag
B0h		Check for errors
B2h		POST done - prepare to boot operating system
B4h	1	One short beep before boot
B5h		Terminate QuietBoot (optional)
B6h		Check password (optional)
B9h		Prepare Boot
BAh		Initialize DMI parameters
BBh		Initialize PnP Option ROMs
BCh		Clear parity checkers
BDh		Display MultiBoot menu
BEh		Clear screen (optional)
BFh		Check virus and backup reminders
C0h		Try to boot with INT 19
C1h		Initialize POST Error Manager (PEM)
C2h		Initialize error logging
C3h		Initialize error display function
C4h		Initialize system error handler
C5h		PnPnd dual CMOS (optional)
C6h		Initialize notebook docking (optional)
C7h		Initialize notebook docking late
C8h		Force check (optional)
C9h		Extended checksum (optional)
D2h		Unknown interrupt

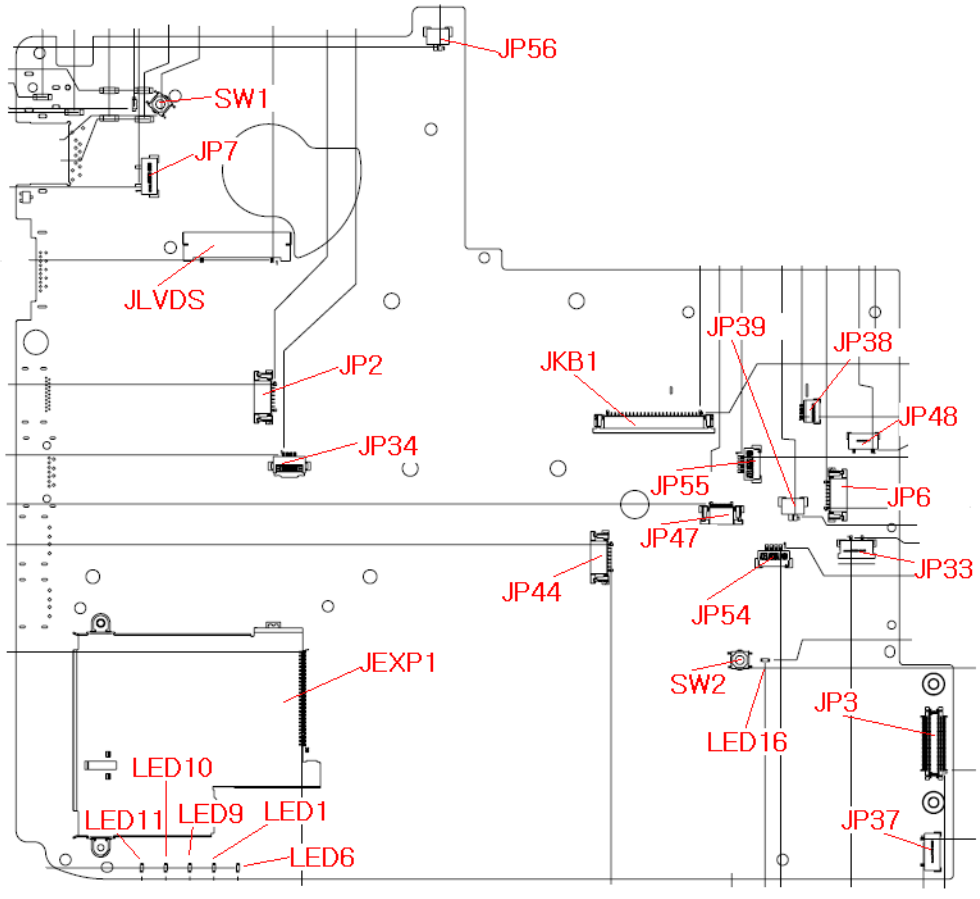
Code	Beeps	For Boot Block in Flash ROM
E0h		Initialize the chipset
E1h		Initialize the bridge

Code	Beeps	For Boot Block in Flash ROM
E2h		Initialize the CPU
E3h		Initialize system timer
E4h		Initialize system I/O
E5h		Check force recovery boot
E6h		Checksum BIOS ROM
E7h		Go to BIOS
E8h		Set Huge Segment
E9h		Initialize Multi Processor
EAh		Initialize OEM special code
EBh		Initialize PIC and DMA
ECh		Initialize Memory type
EDh		Initialize Memory size
EEh		Shadow Boot Block
EFh		System memory test
F0h		Initialize interrupt vectors
F1h		Initialize Run Time Clock
F2h		Initialize video
F3h		Initialize System Management Mode
F4h	1	Output one beep before boot
F5h		Boot to Mini DOS
F6h		Clear Huge Segment
F7h		Boot to Full DOS

* If the BIOS detects error 2C, 2E, or 30 (base 512K RAM error), it displays an additional word-bitmap (xxxx) indicating the address line or bits that failed. For example, **2C 0002** means address line 1 (bit one set) has failed. **2E 1020** means data bits 12 and 5 (bits 12 and 5 set) have failed in the lower 16 bits. Note that error 30 cannot occur on 386SX systems because they have a 16 rather than 32-bit bus. The BIOS also sends the bitmap to the port-80 LED display. It first displays the check point code, followed by a delay, the high-order byte, another delay, and then the low-order byte of the error. It repeats this sequence continuously.

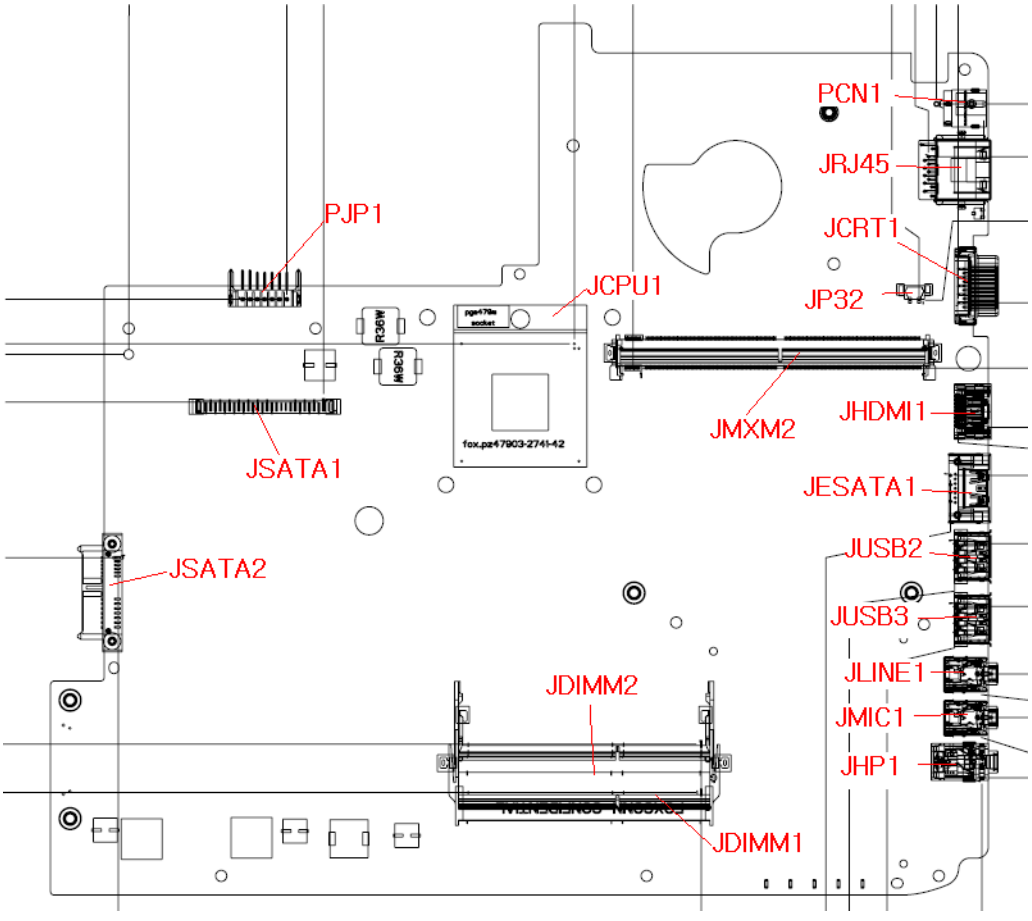
Jumper and Connector Locations

Top View



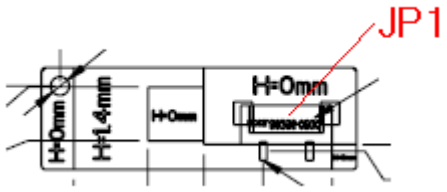
Item	Description	Item	Description
J56	Subwoofer Connector	JP47	Touch pad Connector
SW1	Power button	JP33	VR board Connector
JP7	Backlight on/off Connector	JP54	Digital MIC Connector
JLVDS	Speaker (Right) Connector	SW2	Touch pad lock button
JP2	Launch board Connector	JP3	board to board Connector
JP34	Keyboard backlight Connector	JP37	Blue tooth Connector
JEXP1	New (Express) card Connector	JP44	Finger Print Connector
JKB1	Keyboard Connector	LED11	HDD_LED
JP38	POWER SAVING Connector	LED10	NUM_LED
JP48	USB cable Connector	LED9	CAPS_LED
JP55	Speaker Connector	LED1	PWR_LED
JP6	Media board Connector	LED6	Battery charger_LED
JP39	LOGO Backlight Connector	LED16	Touch pad lock_LED

Bottom View



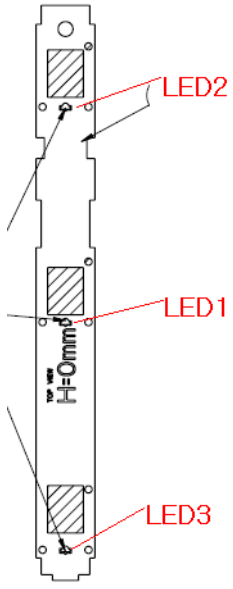
Item	Description	Item	Description
PCN1	AC-IN Connector	JLINE1	LINE IN JACK
JRJ45	RJ45 Connector	JMIC1	MIC IN JACK
JCRT1	CRT Connector	JHP1	Head-Phone Jack
JP32	Fan Connector	JCPU1	CPU Socket
JMXM2	MXM Connector	JDIMM2	Memory DIMM2 Connector
JHDMI1	HDMI Connector	JDIMM1	Memory DIMM1 Connector
JESATA1	ESATA Connector	PJP1	Battery Connector
JUSB2	USB Connector	JSATA1	HDD Connector
JUSB3	USB Connector	JSATA2	ODD Connector

LS-5011P LCD Backlight Board



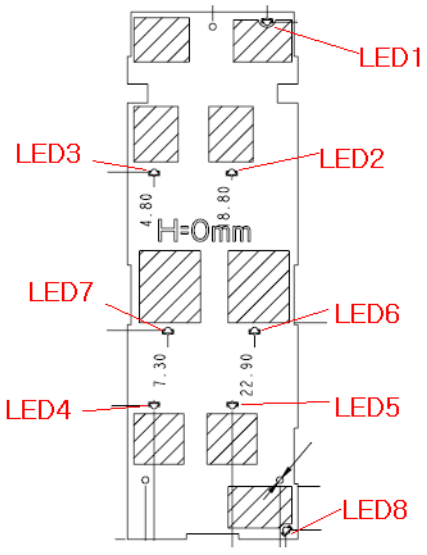
Item	Description
JP1	Backlight on/off Connector

LS-5012P Launch Board



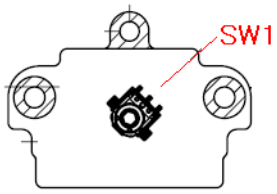
Item	Description
LED1	Backup LED
LED2	Bluetooth LED
LED3	Wireless LED

LS-5013P Media Board



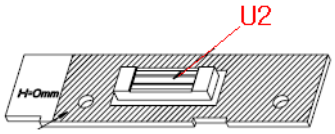
Item	Description	Item	Description
LED1	HOLD LED	LED5	FWD LED
LED2	NEXT LED	LED6	STOP LED
LED3	PREVIOUS LED	LED7	PLAY/PAUSE LED
LED4	REW LED	LED8	MUTE LED

LS-5014P VR Board



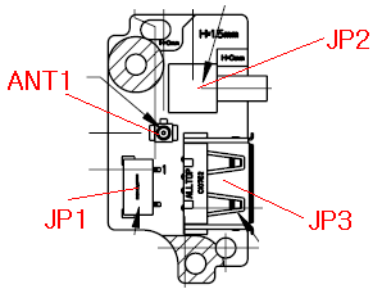
Item	Description
SW1	VR SWITCH

LS-5015P Finger printer Board



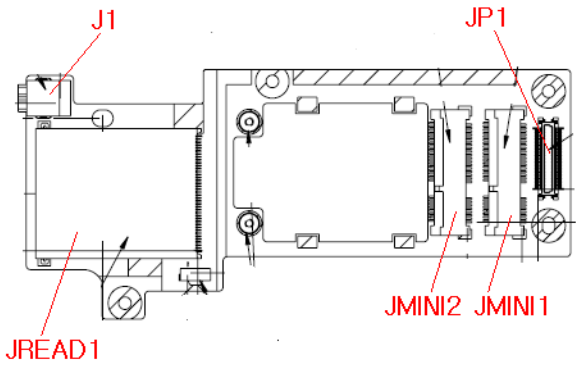
Item	Description
U2	LTT-SS801U-13_LGA28

LS-5016P USB Board



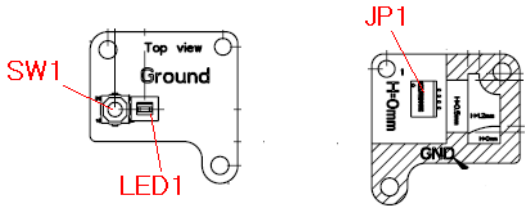
Item	Description	Item	Description
JP1	USB cable Connector	JP3	USB Connector
JP2	RF Connector	ANT1	RF cable Connector

LS-5017P IO Board



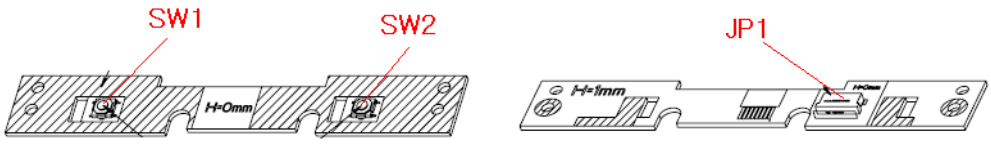
Item	Description	Item	Description
JP1	Board to board Conn	J1	1394 Connector
JMINI1	Mini card Connector	JREAD1	7in1 card reader Conn
JMINI2	Mini card Connector		

LS-5018P POWER SAVING Board



Item	Description
JP1	Power saving cable connector
SW1	Power saving button
LED1	Power saving LED

LS-5019P Touch pad button Board



Item	Description
SW1	T/P left button
SW2	T/P right button
JP1	FP FFC Connector

Clearing Password Check and BIOS Recovery

This section provide you the standard operating procedures of clearing password and BIOS recovery for Aspire 5940G Series. Aspire 5940G Series provides 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
CLRP2	Clear CMOS Jumper
CLRP3	Clear CMOS Jumper

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 the 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.
- 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 once the previous BIOS flashing process failed.

BIOS Recovery Hotkey:

The system provides a function hotkey: **Fn+Esc**, for enable BIOS Recovery process when 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 by Crisis Disk:

Before doing this, a Crisis Diskette should be prepared ready in hand. The Crisis Diskette could be made by executing the Crisis Disk program in another system with Windows 7 OS.

Follow the steps below:

1. Plug in the USB disk.
2. Launch the ***wincris.exe*** program to create a USB Crisis Disk. Click **Start** to initiate the process.
3. Select the **Quick Format** option to format the disk and click **Start**. Follow the instructions on the screen to create the disk.
4. Copy the ***KAYF0X64.fd*** BIOS file into USB flash disk root directory.

NOTE: Do not place any other *.fd file in the USB flash disk root directory.

To use the Crisis USB key, do the following:

1. Plug USB storage into USB port.
2. Press **Fn + ESC** button then plug in AC power.

   The Power button flashes orange once.
3. Press **Power** button to initiate system CRISIS mode.

   When CRISIS is complete, the system auto restarts with a workable BIOS.
4. Update the latest version BIOS for this machine by regular BIOS flashing process.

FRU (Field Replaceable Unit) List

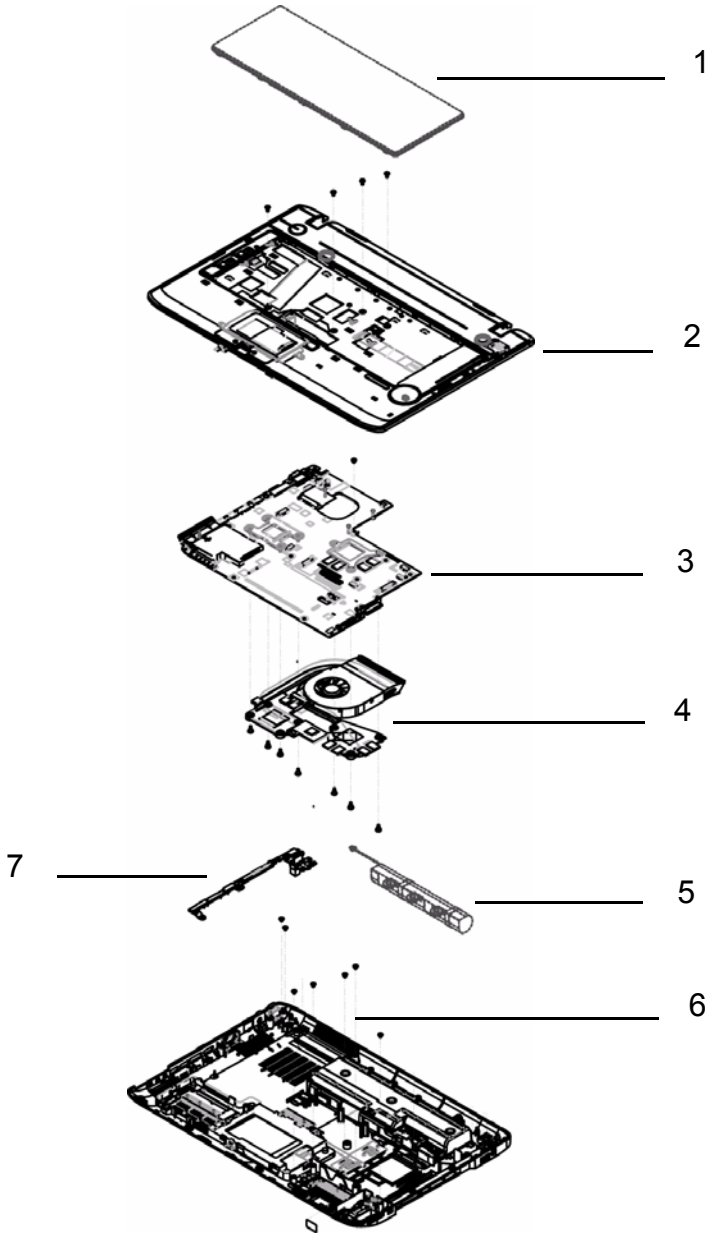
This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of Aspire 5940G Series. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

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.

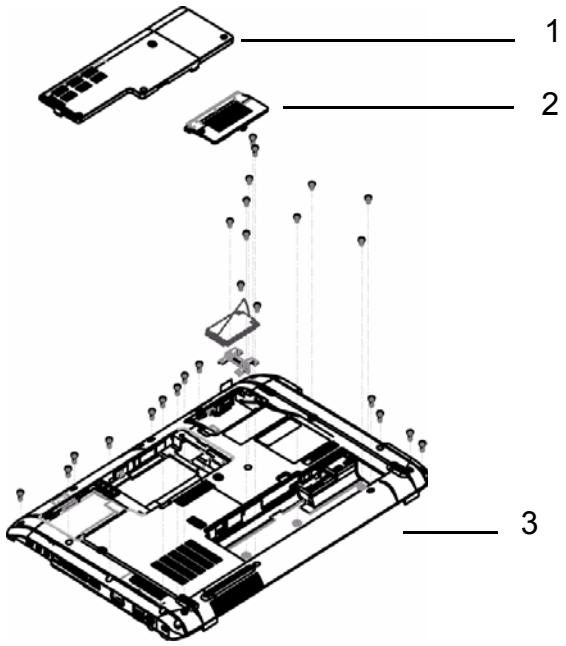
Aspire 5940G Series Exploded Diagrams

Main Assembly



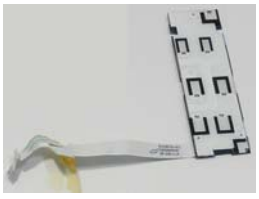
No.	Description	Acer P/N
1	Keyboard	KB.I140A.031
2	Upper Cover	60.PH702.001
3	Mainboard	MB.PH802.001
4	Thermal Module	60.PH702.008
5	Subwoofer	23.PH702.003
6	Lower Cover	60.PH702.002
7	Hingle Saddle-L	33.PH702.002

Base Assembly



No.	Description	Acer P/N
1	HDD Door	42.PH702.003
2	Mini Door	42.PH702.004
3	Lower Cover	60.PH702.002

Aspire 5940G Series FRU List

CATEGORY	Description	Acer Part Number
BOARD		
	Lan Intel WLAN 512AN_HMWG Shirley Peak 5100 MM#895373	KI.SPH01.003
	Lan Intel WLAN 512AG_HMWG Shirley Peak 5100 MM#897072	KI.SPH01.005
	Lan Intel WLAN 533AN_HMWG Shirley Peak MM#895401	KI.SPH01.001
	Foxconn Bluetooth BRM 2046 BT2.1 (T60H928.33) f/w:861	BH.21100.004
	SWITCH BOARD W/FFC - BT, WLAN, REPLICATE FUNCTION	55.PH702.004
	FINGERPRINT BOARD W/FFC	55.PFQ02.001
	VOLUME BOARD W/FFC	55.PH702.002
	POWER SAVING BOARD	55.PH702.001
	MEDIA BOARD W/FFC	55.PH702.005
	USB BOARD W/TV F	55.PH802.001
	USB BOARD W/O TV F	55.PH702.007
	DVB-T Mini-card TT-1260DA w/DiBCOM DIB7070P+DiB0700C rev.D	TU.23100.015
	DVB-T Mini-card TT-1281DA w/DiBCOM DIB7770	TU.23100.023
CABLE		
	BLUE TOOTH CABLE	50.PH702.001

CATEGORY	Description	Acer Part Number
	T/P FFC	50.PH702.002
	POWER SAVING CABLE	50.PH702.003
	USB CABLE	50.PH702.004
	RF CABLE	50.PH802.001
	ON-OFF BOARD CABLE	50.PH702.007
	TV TUNER ANTENNA	50.PH802.002
	SMB-PAL JACK	50.PH802.003
	PAL-F JACK	50.PH802.004
	ANTENNA WIMAX-MIMO	50.PH702.009
CASE/COVER/BRACKET ASSEMBLY		
	UPPER CASE W/O FP, INCL. TP	60.PH702.001
	UPPER CASE W/FP, INCL. TP	60.PFQ02.001
	LOWER CASE W/TV F	60.PH802.001
	LOWER CASE W/O TV F	60.PH702.002
	HINGE SADDLE-R	33.PH702.001
	HINGE SADDLE-L	33.PH702.002
	LOWER CASE CAP-R	42.PH702.002
	LOWER CASE CAP-L	42.PH702.001

CATEGORY	Description	Acer Part Number
	HDD DOOR	42.PH702.003
	MINI DOOR	42.PH702.004
	HDD BRACKET	33.PH702.003
	HDD CONNECTOR	20.PH702.001
	MINI CARD BRACKET	33.PH702.004
	LAUNCH COVER - BT, WLAN, REPLICATE	60.PH702.003
	FP-TP BRACKET	33.PFQ02.001
	T/P BRACKET	33.PH702.005
	MEDIA COVER	60.PH702.004
	VR BUTTON - VOLUME CONTROL	60.PH702.005
	DUMMY CARD	42.PH702.005
	SD DUMMY CARD	42.PH702.006
KEYBOARD		

CATEGORY	Description	Acer Part Number
	Keyboard ACER AC4B SM50 Internal 14 Standard 86KS Black US International Backlit	KB.I140A.031
	Keyboard ACER AC4B SM50 Internal 14 Standard 86KS Black Greek Backlit	KB.I140A.016
	Keyboard ACER AC4B SM50 Internal 14 Standard 86KS Black Arabic Backlit	KB.I140A.007
	Keyboard ACER AC4B SM50 Internal 14 Standard 86KS Black Chinese Backlit	KB.I140A.011
	Keyboard ACER AC4B SM50 Internal 14 Standard 86KS Black Russian Backlit	KB.I140A.023
	Keyboard ACER AC4B SM50 Internal 14 Standard 86KS Black Thailand Backlit	KB.I140A.028
	Keyboard ACER AC4B SM50 Internal 14 Standard 86KS Black US International w/ Hebrew Backlit	KB.I140A.032
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black UK Backlit	KB.I140A.030
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black German Backlit	KB.I140A.015
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Swiss/G Backlit	KB.I140A.027
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Belgium Backlit	KB.I140A.008
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Danish Backlit	KB.I140A.012
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Italian Backlit	KB.I140A.018
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black French Backlit	KB.I140A.014
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Hungarian Backlit	KB.I140A.017
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Norwegian Backlit	KB.I140A.021
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Portuguese Backlit	KB.I140A.022
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Spanish Backlit	KB.I140A.025
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Turkish Backlit	KB.I140A.029
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Sweden Backlit	KB.I140A.026
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black SLO/CRO Backlit	KB.I140A.024
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Nordic Backlit	KB.I140A.020
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black FR/Arabic Backlit	KB.I140A.013
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black US w/ Canadian French Backlit	KB.I140A.033

CATEGORY	Description	Acer Part Number
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black Brazilian Portuguese Backlit	KB.I140A.009
	Keyboard ACER AC4B SM50 Internal 14 Standard 87KS Black CZ/SK Backlit	KB.I140A.010
	Keyboard ACER AC4B SM50 Internal 14 Standard 91KS Black Japanese Backlit	KB.I140A.019
DVD RW DRIVE		
	ODD SUPER-MULTI DRIVE MODULE	6M.PH702.003
	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633C LF W/O bezel SATA (HF + Windows 7)	KU.00801.035
	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT30N LF W/O bezel SATA (HF + Windows 7)	KU.0080D.048
	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7585H LF W/O bezel SATA (HF + Windows 7)	KU.0080E.027
	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A4SH LF W/O bezel SATA (HF + Windows 7)	KU.0080F.006
	ODD BEZEL-SM	42.PH702.008
	ODD BRACKET	33.PH702.006
BD COMBO DRIVE		
	ODD BD COMBO MODULE	6M.PH702.002
	ODD HLDS BD COMBO 12.7mm Tray DL 4X CT21N LF W/O bezel 1.00 SATA (HF + Windows 7)	KO.0040D.004
	ODD PLDS BD COMBO 12.7mm Tray DL 4X DS-4E1S LF W/O bezel SATA (Windows 7)	KO.0040F.003
	ODD BEZEL-BD	42.PH702.007
	ODD BRACKET	33.PH702.006
BD RW DRIVE		
	ODD BD RW MODULE	6M.PH702.004
	ODD PIONEER BD RW 12.7mm Tray DL 4X BDR-TD01RS LF W/O bezel SATA (Windows 7)	KU.00405.015
	ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ230A LF W/O bezel FW 1.10 SATA (Windows 7)	KU.00407.014
	ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ230A LF W/O bezel SATA 2X double Layer, 4X Single Layer	KU.00407.013

CATEGORY	Description	Acer Part Number
	ODD BEZEL-BD	42.PH702.007
	ODD BRACKET	33.PH702.006
LCD		
	ASSY LED MODULE 15.6"W WXGA GLARE w/ ANTENNA*2, CCD 1.0M, FLUSH PANEL	6M.PJL02.001
	ASSY LED MODULE 15.6"W WXGA GLARE w/ ANTENNA*3, CCD 1.0M, FLUSH PANEL	6M.PJL02.002
	ASSY LED MODULE 15.6"W WXGA GLARE w/ ANTENNA*2, CCD 1.0M	6M.PH702.001
	LED LCD SAMSUNG 15.6"W WXGA Glare LTN156AT02-A01 LF 220nit 8ms 500:1	LK.15606.003
	LED LCD LPL 15.6"W WXGA Glare LP156WH2-TLE1 LF 220nit 8ms 400:1	LK.15608.002
	LED LCD CMO 15.6"W WXGA Glare N156B6-L06 LF 220nit 8ms 500:1	LK.1560D.007
	LCD COVER-IMR_BLUE	60.PH702.006
	ANTENNA WIMAX-MAIN	50.PH702.005
	ANTENNA WIMAX-AUX	50.PH702.006
	LCD BEZEL-PLASTIC	60.PH702.007
	LCD CABLE	50.PH702.008
	LCD BRACKET R+L	33.PH702.007
	CAMERA 1.0M	57.PH702.001
MAINBOARD		
	MAINBOARD ASPIRE 5940G INTEL PM55 LF WITH ALL CONNECTERS	MB.PH802.001
HEATSINK		
	CPU THERMAL MOUDLE	60.PH702.008
SPEAKER		
	MIC	23.PH702.001
	SPEAKER R&L	23.PH702.002

CATEGORY	Description	Acer Part Number
	SUB WOOFER	23.PH702.003
MISCELLANEOUS		
	NAME PLATE-AS5940	40.PH702.001
	LCD SCREW RUBBER-PLASTIC	47.PH702.001
	LCD SCREW MYLAR-PLASTIC	47.PH702.002
	LOGIC UP PC PLATE-1-Lock Media Cover to Upper Case	47.PJL02.001
	LOGIC UP PC PLATE-2-Lock Media Cover to Upper Case	47.PJL02.002
	LOGIC UP PC PLATE-3-Lock Media Cover to Upper Case	47.PJL02.003
ACCESSORY		
	Formosa21 Remote Controller RC804V-B EN	RT.22700.011
	Formosa21 Remote Controller RC804V-B EU	RT.22700.008
	Formosa21 Remote Controller RC804V-B TC	RT.22700.009
	Formosa21 Remote Controller RC804V-B SC	RT.22700.010

Screw List

Category	Description	Acer P/N
Screw		
	SCREW M2.5D 3.0L K 5.3D NI NL	86.PH702.001
	SCREW M1.98D 3.0L K 4.6D 0.8T ZKNL	86.PH702.002
	SCREW M2.46D 3.0L K 5.5D 0.8T ZKNL	86.PH702.003
	SCREW M3.0D 3.0L K 4.9D NI	86.PH702.004
	SCREW M2.5D 5L K 5.5D ZK NL CR3	86.PH702.005
	SCREW M2.45D 8.0L K 5.5D 0.8T ZKNL	86.PH702.006
	SCREW M2.5D 3.2L K 6D NI	86.PH702.007
	SCREW M2.5D 4.15L K 5.5D ZK NL CR3	86.PH702.008

Model Definition and Configuration

Aspire 5940G Series

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-824G50Wn	AAP	Philippines	LX.PFQ02.109	AS5940G-824G50Wn EM W7HP64EMATPH1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 8L2.4/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7820QM
AS5940G-724G50Bn	EMEA	Greece	LX.PFQ02.054	AS5940G-724G50Bn W7HP64ATGR1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_EL31	Ci7720QM
AS5940G-724G50Wn	EMEA	UK	LX.PFQ02.020	AS5940G-724G50Wn W7HP64ATGB1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_EN11	Ci7720QM
AS5940G-724G50Wn	AAP	Philippines	LX.PFQ02.108	AS5940G-724G50Wn EM W7HP64EMATPH1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 8L2.4/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Bn	EMEA	Eastern Europe	LX.PFQ02.051	AS5940G-724G50Bn W7HP64ATEU5 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_RO11	Ci7720QM
AS5940G-724G50Bn	EMEA	Belgium	LX.PFQ02.053	AS5940G-724G50Bn W7HP64ATBE1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NL11	Ci7720QM
AS5940G-724G50Bn	EMEA	Italy	LX.PFQ02.078	AS5940G-724G50Bn W7HP64ATIT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_IT11	Ci7720QM
AS5940G-724G50Bn	EMEA	Sweden	LX.PFQ02.075	AS5940G-724G50Bn W7HP64ATSE1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_FI11	Ci7720QM
AS5940G-724G32Mn	EMEA	Middle East	LX.PFQ0C.001	AS5940G-724G32Mn LINPUSAME2 M961GBCFPbkQ_V3 2*2G/320/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_EN13	Ci7720QM
AS5940G-724G50Bn	EMEA	Holland	LX.PFQ02.055	AS5940G-724G50Bn W7HP64ATNL1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NL11	Ci7720QM
AS5940G-724G50Bn	EMEA	Poland	LX.PFQ02.052	AS5940G-724G50Bn W7HP64ATPL1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_PL11	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-724G50Wn	EMEA	France	LX.PFQ02.003	AS5940G-724G50Wn W7HP64ATFR1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_FR21	Ci7720QM
AS5940G-724G50Mn	EMEA	Middle East	LX.PFQ02.107	AS5940G-724G50Mn EM W7HP64EMATME2 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_AR21	Ci7720QM
AS5940G-724G50Mn	TWN	GCTWN	LX.PFQ02.106	AS5940G-724G50Mn W7HP64ATTW1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/8L2.4/5R/ CB_n2_FP_1.0D_GEb_TC11	Ci7720QM
AS5940G-724G50Mn	AAP	Philippines	LX.PFQ02.105	AS5940G-724G50Mn EM W7HP64EMATPH1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Wi	EMEA	Russia	LX.PFQ02.006	AS5940G-724G50Wi W7HP64RUATRU1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/ CB_abg_FP_1.0D_GEb_RU11	Ci7720QM
AS5940G-724G50Wi	EMEA	Ukraine	LX.PFQ02.005	AS5940G-724G50Wi W7HP64RUATUK1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/ CB_abg_FP_1.0D_GEb_RU61	Ci7720QM
AS5940G-724G50Wn	EMEA	South Africa	LX.PFQ02.014	AS5940G-724G50Wn EM W7HP64EMATZA2 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Bn	EMEA	Norway	LX.PFQ02.086	AS5940G-724G50Bn W7HP64ATNO3 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ENS1	Ci7720QM
AS5940G-724G50Bn	EMEA	Denmark	LX.PFQ02.047	AS5940G-724G50Bn W7HP64ATDK2 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ENS1	Ci7720QM
AS5940G-724G50Mn	EMEA	Israel	LX.PFQ02.103	AS5940G-724G50Mn W7HP64ATIL1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_HE31	Ci7720QM
AS5940G-724G50Mn	EMEA	Israel	LX.PFQ02.104	AS5940G-724G50Mn W7HP64ATIL1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_HE11	Ci7720QM
AS5940G-724G50Mn	EMEA	Cyprus	LX.PFQ02.102	AS5940G-724G50Mn W7HP64ATCY1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Mn	EMEA	Italy	LX.PFQ02.101	AS5940G-724G50Mn W7HP64ATIT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_IT11	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-724G50Mn	EMEA	Greece	LX.PFQ02.099	AS5940G-724G50Mn W7HP64ATGR1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_EL31	Ci7720QM
AS5940G-724G50Bn	AAP	Thailand	LX.PFQ02.093	AS5940G-724G50Bn EM W7HP64EMATTH1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 8L2.4/5R/CB_n3_FP_1.0D_GEb_TH41	Ci7720QM
AS5940G-824G50Bn	AAP	Thailand	LX.PFQ02.091	AS5940G-824G50Bn EM W7HP64EMATTH1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 8L2.4/5R/CB_n3_FP_1.0D_GEb_TH41	Ci7820QM
AS5940G-724G50Bi	EMEA	Russia	LX.PFQ02.058	AS5940G-724G50Bi W7HP64RUATRU1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/ CB_abg_FP_1.0D_GEb_RU11	Ci7720QM
AS5940G-724G50Mn	EMEA	UK	LX.PFQ02.088	AS5940G-724G50Mn W7HP64ATGB1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_EN11	Ci7720QM
AS5940G-724G50Mn	EMEA	France	LX.PFQ02.004	AS5940G-724G50Mn W7HP64ATFR1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_FR21	Ci7720QM
AS5940G-724G50Bn	EMEA	Germany	LX.PFQ02.089	AS5940G-724G50Bn W7HP64ATDE1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/8L2.4/5R/ CB_n2_FP_1.0D_GEb_DE11	Ci7720QM
AS5940G-724G32Mn	EMEA	Middle East	LX.PFQ02.098	AS5940G-724G32Mn EM W7HP64EMATME2 MC M961GBCFPbkQ_V3 2*2G/320/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_AR21	Ci7720QM
AS5940G-724G50Bn	EMEA	Middle East	LX.PFQ02.065	AS5940G-724G50Bn EM W7HP64EMATME2 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_AR21	Ci7720QM
AS5940G-724G50Wn	EMEA	Middle East	LX.PFQ02.010	AS5940G-724G50Wn EM W7HP64EMATME2 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_AR21	Ci7720QM
AS5940G-724G50Mn	AAP	Indonesia	LX.PFQ02.097	AS5940G-724G50Mn EM W7HP64EMATID1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ID21	Ci7720QM
AS5940G-724G50Bn	EMEA	Austria	LX.PFQ07.026	AS5940G-724G50Bn W7UT64ATAT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_DE61	Ci7720QM
AS5940G-724G50Bn	EMEA	Luxembourg	LX.PFQ07.024	AS5940G-724G50Bn W7UT64ATLU3 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_IT41	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-724G50Bn	EMEA	Spain	LX.PFQ07.023	AS5940G-724G50Bn W7UT64ATES1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ES51	Ci7720QM
AS5940G-724G50Bn	EMEA	Greece	LX.PFQ07.027	AS5940G-724G50Bn W7UT64ATGR1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_EL31	Ci7720QM
AS5940G-724G32Mn	WW	GCTWN	S2.PFQ0C.001	AS5940G-724G32Mn LINPUSAWW1 M961GBCFPbkQ_V3 2*2G/320/BT/ 6L2.2/5R/ CB_n2_FP_1.0D_GEb_ENX1testing	Ci7720QM
AS5940G-724G50Bn	EMEA	Sweden	LX.PFQ07.021	AS5940G-724G50Bn W7UT64ATSE1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_FI11	Ci7720QM
AS5940G-724G32Mn	WW	WW	S2.PFQ0C.002	AS5940G-724G32Mn LINPUSAWW1 M961GBCFPbkQ_V3 2*2G/320/BT/ 6L2.2/5R/ CB_n2_FP_1.0D_GEb_EN11testing	Ci7720QM
AS5940G-724G50Bn	EMEA	Eastern Europe	LX.PFQ07.025	AS5940G-724G50Bn W7UT64ATEU5 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_PL71	Ci7720QM
AS5940G-724G50Bn	EMEA	Switzerland	LX.PFQ07.022	AS5940G-724G50Bn W7UT64ATCH1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_IT41	Ci7720QM
AS5940G-724G32Mn	EMEA	Turkey	LX.PFQ02.096	AS5940G-724G32Mn EM W7HP64EMATTR1 MC M961GBCFPbkQ_V3 2*2G/320/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_TR31	Ci7720QM
AS5940G-724G50Mn	EMEA	Middle East	LX.PFQ02.095	AS5940G-724G50Mn EM W7HP64EMA1ME2 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ARA1	Ci7720QM
AS5940G-724G50Bn	AAP	Australia/ New Zealand	LX.PFQ02.094	AS5940G-724G50Bn W7HP64ATAU1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Bn	EMEA	Middle East	LX.PFQ02.066	AS5940G-724G50Bn EM W7HP64EMATME3 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES81	Ci7720QM
AS5940G-724G50Bn	EMEA	France	LX.PFQ02.085	AS5940G-724G50Bn W7HP64ATFR1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_FR21	Ci7720QM
AS5940G-724G50Bn	EMEA	France	LX.PFQ07.010	AS5940G-724G50Bn W7UT64ATFR1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_FR21	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-724G50Bn	EMEA	Middle East	LX.PFQ02.072	AS5940G-724G50Bn EM W7HP64EMATME6 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Bn	EMEA	South Africa	LX.PFQ02.068	AS5940G-724G50Bn EM W7HP64EMATZA2 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Bn	EMEA	South Africa	LX.PFQ02.064	AS5940G-724G50Bn EM W7HP64EMATZA4 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Mn	AAP	Australia/ New Zealand	LX.PFQ02.090	AS5940G-724G50Mn W7HP64ATAU1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Bn	EMEA	Holland	LX.PFQ07.020	AS5940G-724G50Bn W7UT64ATNL1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NL11	Ci7720QM
AS5940G-724G50Bn	EMEA	Poland	LX.PFQ07.019	AS5940G-724G50Bn W7UT64ATPL1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_PL11	Ci7720QM
AS5940G-724G50Bn	EMEA	Eastern Europe	LX.PFQ07.016	AS5940G-724G50Bn W7UT64ATEU5 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_RO11	Ci7720QM
AS5940G-724G50Bn	EMEA	Middle East	LX.PFQ02.071	AS5940G-724G50Bn EM W7HP64EMATME2 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_AR11	Ci7720QM
AS5940G-724G50Bn	EMEA	Middle East	LX.PFQ02.063	AS5940G-724G50Bn EM W7HP64EMATME2 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Bn	EMEA	Denmark	LX.PFQ07.005	AS5940G-724G50Bn W7UT64ATDK1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NO11	Ci7720QM
AS5940G-724G50Bn	EMEA	Luxembourg	LX.PFQ02.076	AS5940G-724G50Bn W7HP64ATLU3 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_IT41	Ci7720QM
AS5940G-724G50Bn	EMEA	Denmark	LX.PFQ07.008	AS5940G-724G50Bn W7UT64ATDK2 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ENS1	Ci7720QM
AS5940G-724G50Bn	EMEA	Middle East	LX.PFQ02.070	AS5940G-724G50Bn EM W7HP64EMATME4 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-724G50Bi	EMEA	Ukraine	LX.PFQ02.059	AS5940G-724G50Bi W7HP64RUATUK1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/ CB_abg_FP_1.0D_GEb_RU61	Ci7720QM
AS5940G-724G50Bn	EMEA	Germany	LX.PFQ02.087	AS5940G-724G50Bn W7HP64ATDE1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_DE11	Ci7720QM
AS5940G-724G50Bn	EMEA	Austria	LX.PFQ02.083	AS5940G-724G50Bn W7HP64ATAT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_DE61	Ci7720QM
AS5940G-724G50Bn	EMEA	Germany	LX.PFQ07.002	AS5940G-724G50Bn W7UT64ATDE1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_DE11	Ci7720QM
AS5940G-724G50Bn	EMEA	Eastern Europe	LX.PFQ07.017	AS5940G-724G50Bn W7UT64ATEU4 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_SV21	Ci7720QM
AS5940G-724G50Bn	EMEA	Finland	LX.PFQ07.001	AS5940G-724G50Bn W7UT64ATFI2 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_FI11	Ci7720QM
AS5940G-724G50Bn	EMEA	Eastern Europe	LX.PFQ02.082	AS5940G-724G50Bn W7HP64ATEU4 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_SV21	Ci7720QM
AS5940G-724G50Bn	EMEA	Finland	LX.PFQ02.079	AS5940G-724G50Bn W7HP64ATFI2 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_FI11	Ci7720QM
AS5940G-724G50Bn	EMEA	Hungary	LX.PFQ07.012	AS5940G-724G50Bn W7UT64ATHU1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_HU11	Ci7720QM
AS5940G-724G50Bn	EMEA	Eastern Europe	LX.PFQ02.074	AS5940G-724G50Bn W7HP64ATEU7 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ENQ1	Ci7720QM
AS5940G-724G50Bn	EMEA	Eastern Europe	LX.PFQ02.073	AS5940G-724G50Bn W7HP64ATEU7 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_SL11	Ci7720QM
AS5940G-724G50Bn	EMEA	Eastern Europe	LX.PFQ07.006	AS5940G-724G50Bn W7UT64ATEU7 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ENQ1	Ci7720QM
AS5940G-724G50Bn	EMEA	Eastern Europe	LX.PFQ07.004	AS5940G-724G50Bn W7UT64ATEU7 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_SL11	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-724G50Bn	EMEA	Italy	LX.PFQ07.013	AS5940G-724G50Bn W7UT64ATIT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_IT11	Ci7720QM
AS5940G-724G50Bn	EMEA	Turkey	LX.PFQ02.067	AS5940G-724G50Bn EM W7HP64EMATTR1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_TR31	Ci7720QM
AS5940G-724G50Bn	EMEA	UK	LX.PFQ02.084	AS5940G-724G50Bn W7HP64ATGB1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_EN11	Ci7720QM
AS5940G-724G50Bn	EMEA	Cyprus	LX.PFQ02.077	AS5940G-724G50Bn W7HP64ATCY1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Bn	EMEA	UK	LX.PFQ07.018	AS5940G-724G50Bn W7UT64ATGB1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_EN11	Ci7720QM
AS5940G-724G50Bn	EMEA	Cyprus	LX.PFQ07.014	AS5940G-724G50Bn W7UT64ATCY1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Bn	EMEA	Belgium	LX.PFQ07.011	AS5940G-724G50Bn W7UT64ATBE1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NL11	Ci7720QM
AS5940G-724G50Bn	EMEA	Czech	LX.PFQ07.007	AS5940G-724G50Bn W7UT64ATCZ2 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_SK11	Ci7720QM
AS5940G-724G50Bn	EMEA	Czech	LX.PFQ02.080	AS5940G-724G50Bn W7HP64ATCZ2 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_SK11	Ci7720QM
AS5940G-724G50Bn	EMEA	Norway	LX.PFQ07.003	AS5940G-724G50Bn W7UT64ATNO1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NO11	Ci7720QM
AS5940G-724G50Bn	EMEA	Norway	LX.PFQ02.081	AS5940G-724G50Bn W7HP64ATNO1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NO11	Ci7720QM
AS5940G-724G50Bn	EMEA	Portugal	LX.PFQ07.015	AS5940G-724G50Bn W7UT64ATPT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_PT11	Ci7720QM
AS5940G-724G50Bn	EMEA	Portugal	LX.PFQ07.009	AS5940G-724G50Bn W7UT64ATPT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_EN61	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-724G50Bn	EMEA	Middle East	LX.PFQ02.069	AS5940G-724G50Bn EM W7HP64EMATME9 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES81	Ci7720QM
AS5940G-724G50Bn	EMEA	Algeria	LX.PFQ02.060	AS5940G-724G50Bn EM W7HP64EMATDZ1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES81	Ci7720QM
AS5940G-724G50Bn	EMEA	South Africa	LX.PFQ02.061	AS5940G-724G50Bn EM W7HP64EMATZA1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES81	Ci7720QM
AS5940G-724G50Bn	EMEA	Eastern Europe	LX.PFQ02.057	AS5940G-724G50Bn W7HP64ATEU5 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_PL71	Ci7720QM
AS5940G-724G50Bn	EMEA	Middle East	LX.PFQ02.062	AS5940G-724G50Bn EM W7HP64EMATME4 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_RU61	Ci7720QM
AS5940G-724G50Bn	EMEA	Switzerland	LX.PFQ02.056	AS5940G-724G50Bn W7HP64ATCH1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_IT41	Ci7720QM
AS5940G-724G50Mn	AAP	Thailand	LX.PFQ02.092	AS5940G-724G50Mn EM W7HP64EMATTH1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 8L2.4/5R/CB_n3_FP_1.0D_GEb_TH41	Ci7720QM
AS5940G-724G50Wn	EMEA	Eastern Europe	LX.PFQ02.041	AS5940G-724G50Wn W7HP64ATEU5 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_RO11	Ci7720QM
AS5940G-724G50Wn	EMEA	Poland	LX.PFQ02.045	AS5940G-724G50Wn W7HP64ATPL1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_PL11	Ci7720QM
AS5940G-724G50Wn	EMEA	Middle East	LX.PFQ02.013	AS5940G-724G50Wn EM W7HP64EMATME2 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Wn	EMEA	Middle East	LX.PFQ02.009	AS5940G-724G50Wn EM W7HP64EMATME2 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_AR11	Ci7720QM
AS5940G-724G50Bn	EMEA	Denmark	LX.PFQ02.050	AS5940G-724G50Bn W7HP64ATDK1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NO11	Ci7720QM
AS5940G-724G50Wn	EMEA	Denmark	LX.PFQ02.037	AS5940G-724G50Wn W7HP64ATDK1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NO11	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-724G50Wn	EMEA	Luxembourg	LX.PFQ02.027	AS5940G-724G50Wn W7HP64ATLU3 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_IT41	Ci7720QM
AS5940G-724G50Wn	EMEA	Switzerland	LX.PFQ02.021	AS5940G-724G50Wn W7HP64ATCH1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_IT41	Ci7720QM
AS5940G-724G50Wn	EMEA	Denmark	LX.PFQ02.036	AS5940G-724G50Wn W7HP64ATDK2 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ENS1	Ci7720QM
AS5940G-724G50Wn	EMEA	Norway	LX.PFQ02.028	AS5940G-724G50Wn W7HP64ATNO3 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ENS1	Ci7720QM
AS5940G-724G50Wn	EMEA	Middle East	LX.PFQ02.019	AS5940G-724G50Wn EM W7HP64EMATME4 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Wn	EMEA	Middle East	LX.PFQ02.012	AS5940G-724G50Wn EM W7HP64EMATME4 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_RU61	Ci7720QM
AS5940G-724G50Wn	EMEA	Germany	LX.PFQ02.038	AS5940G-724G50Wn W7HP64ATDE1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_DE11	Ci7720QM
AS5940G-724G50Wn	EMEA	Austria	LX.PFQ02.030	AS5940G-724G50Wn W7HP64ATAT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_DE61	Ci7720QM
AS5940G-724G50Wn	EMEA	Sweden	LX.PFQ02.031	AS5940G-724G50Wn W7HP64ATSE1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_FI11	Ci7720QM
AS5940G-724G50Wn	EMEA	Eastern Europe	LX.PFQ02.026	AS5940G-724G50Wn W7HP64ATEU4 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_SV21	Ci7720QM
AS5940G-724G50Wn	EMEA	Finland	LX.PFQ02.025	AS5940G-724G50Wn W7HP64ATFI2 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_FI11	Ci7720QM
AS5940G-724G50Wn	EMEA	Greece	LX.PFQ02.044	AS5940G-724G50Wn W7HP64ATGR1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_EL31	Ci7720QM
AS5940G-724G50Bn	EMEA	Hungary	LX.PFQ02.049	AS5940G-724G50Bn W7HP64ATHU1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_HU11	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-724G50Wn	EMEA	Hungary	LX.PFQ02.042	AS5940G-724G50Wn W7HP64ATHU1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_HU11	Ci7720QM
AS5940G-724G50Wn	EMEA	Eastern Europe	LX.PFQ02.033	AS5940G-724G50Wn W7HP64ATEU7 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ENQ1	Ci7720QM
AS5940G-724G50Wn	EMEA	Eastern Europe	LX.PFQ02.035	AS5940G-724G50Wn W7HP64ATEU7 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_SL11	Ci7720QM
AS5940G-724G50Wn	EMEA	Italy	LX.PFQ02.022	AS5940G-724G50Wn W7HP64ATIT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_IT11	Ci7720QM
AS5940G-724G50Wn	EMEA	Turkey	LX.PFQ02.007	AS5940G-724G50Wn EM W7HP64EMATTR1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_TR31	Ci7720QM
AS5940G-724G50Wn	EMEA	Eastern Europe	LX.PFQ02.034	AS5940G-724G50Wn W7HP64ATEU5 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_PL71	Ci7720QM
AS5940G-724G50Wn	EMEA	Holland	LX.PFQ02.040	AS5940G-724G50Wn W7HP64ATNL1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NL11	Ci7720QM
AS5940G-724G50Wn	EMEA	Middle East	LX.PFQ02.011	AS5940G-724G50Wn EM W7HP64EMATME6 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Wn	EMEA	South Africa	LX.PFQ02.016	AS5940G-724G50Wn EM W7HP64EMATZA4 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Wn	EMEA	Middle East	LX.PFQ02.008	AS5940G-724G50Wn EM W7HP64EMATME3 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES81	Ci7720QM
AS5940G-724G50Wn	EMEA	Middle East	LX.PFQ02.018	AS5940G-724G50Wn EM W7HP64EMATME9 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES81	Ci7720QM
AS5940G-724G50Wn	EMEA	South Africa	LX.PFQ02.015	AS5940G-724G50Wn EM W7HP64EMATZA1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES81	Ci7720QM
AS5940G-724G50Wn	EMEA	Algeria	LX.PFQ02.017	AS5940G-724G50Wn EM W7HP64EMATDZ1 MC M961GBCFPbkQ_V3 2*2G/500_L/BT/ 6L2.2/5R/CB_n2_FP_1.0D_GEb_ES81	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-724G50Wn	EMEA	Spain	LX.PFQ02.043	AS5940G-724G50Wn W7HP64ATES1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ES51	Ci7720QM
AS5940G-724G50Bn	EMEA	Spain	LX.PFQ02.048	AS5940G-724G50Bn W7HP64ATES1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ES51	Ci7720QM
AS5940G-724G50Wn	EMEA	Portugal	LX.PFQ02.024	AS5940G-724G50Wn W7HP64ATPT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_PT11	Ci7720QM
AS5940G-724G50Bn	EMEA	Portugal	LX.PFQ02.046	AS5940G-724G50Bn W7HP64ATPT1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_PT11	Ci7720QM
AS5940G-724G50Wn	EMEA	Norway	LX.PFQ02.029	AS5940G-724G50Wn W7HP64ATNO1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NO11	Ci7720QM
AS5940G-724G50Wn	EMEA	Czech	LX.PFQ02.032	AS5940G-724G50Wn W7HP64ATCZ2 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_SK11	Ci7720QM
AS5940G-724G50Wn	EMEA	Belgium	LX.PFQ02.039	AS5940G-724G50Wn W7HP64ATBE1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_NL11	Ci7720QM
AS5940G-724G50Wn	EMEA	Cyprus	LX.PFQ02.023	AS5940G-724G50Wn W7HP64ATCY1 MC M961GBCFPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/ CB_n2_FP_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Mn	EMEA	Poland	LX.PH702.001	AS5940G-724G50Mn W7HP64ATPL1 MC M961GBCPbkQ_V3 2*2G/500_L/ BT/6L2.2/5R/CB_n2_1.0D_GEb_PL11	Ci7720QM
AS5940G-724G32Mn	WW	GCTWN	S2.PH702.001	AS5940G-724G32Mn W7HP64AWW1 MC M961GBCPbkQ_V3 2*2G/320/BT/ 6L2.2/5R/CB_n2_1.0D_GEb_ES61	Ci7720QM
AS5940G-724G50Wn	EMEA	Spain	LX.PH802.004	AS5940G-724G50Wn W7HP64ATES1 MC M961GBTCFPbkQ_V3 2*2G/ 500_L/BT/8L2.4/5R/CB_n2_DVBT U/ VHF_FP_1.0D_GEb_R_ES51	Ci7720QM
AS5940G-724G50Wn	AAP	Australia/ New Zealand	LX.PH802.003	AS5940G-724G50Wn W7HP64ATAU1 MC M961GBTCFPbkQ_V3 2*2G/ 500_L/BT/6L2.2/5R/CB_n2_DVBT U/ VHF_FP_1.0D_GEb_R_ES61	Ci7720QM
AS5940G-724G50Bn	AAP	Australia/ New Zealand	LX.PH802.001	AS5940G-724G50Bn W7HP64ATAU1 MC M961GBTCFPbkQ_V3 2*2G/ 500_L/BT/6L2.2/5R/CB_n2_DVBT U/ VHF_FP_1.0D_GEb_R_ES61	Ci7720QM
AS5940G-724G50Mn	AAP	Australia/ New Zealand	LX.PH802.002	AS5940G-724G50Mn W7HP64ATAU1 MC M961GBTCFPbkQ_V3 2*2G/ 500_L/BT/6L2.2/5R/CB_n2_DVBT U/ VHF_FP_1.0D_GEb_R_ES61	Ci7720QM

Model	RO	Country	Acer Part No	Description	CPU
AS5940G-824G50Bn	WW	GCTWN	S2.PH802.002	AS5940G-824G50Bn W7HP64AWW1 MC M961GBTCFPbkQ_V3 2*2G/500_L/BT/8L2.4/5R/CB_n3_DVBT U/VHF_FP_1.0D_GEb_ES61Media Review Sample	Ci7820QM
AS5940G-824G32Mn	WW	GCTWN	S2.PH802.001	AS5940G-824G32Mn W7HP64AWW1 MC M961GBTCFPbkQ_V3 2*2G/320/BT/6L2.2/5R/CB_n3_DVBT U/VHF_FP_1.0D_GEb_ES61	Ci7820QM
AS5940G-724G32Mn	WW	GCTWN	S2.PJL0C.001	AS5940G-724G32Mn LINPUSAWW1 M961GBTCPbkQ_V3 2*2G/320/BT/6L2.2/5R/CB_n2_DVBT U/VHF_1.0D_GEb_RC_ENX1	Ci7720QM

Model	LCD	VGA Chip	VRAM 1	Memory 1	Memory 2
AS5940G-824G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G32Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wi	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wi	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-824G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bi	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10

Model	LCD	VGA Chip	VRAM 1	Memory 1	Memory 2
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G32Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G32Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G32Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G32Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bi	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10

Model	LCD	VGA Chip	VRAM 1	Memory 1	Memory 2
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10

Model	LCD	VGA Chip	VRAM 1	Memory 1	Memory 2
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G32Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Wn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G50Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-824G50Bn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-824G32Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10
AS5940G-724G32Mn	NLED15.6WXGAG	M96	1G-DDR3 (64*16*8)	SO2GBIII10	SO2GBIII10

Model	HDD 1(GB)	HDD 2(GB)	ODD	Media Processor	Extra SW1
AS5940G-824G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee

Model	HDD 1(GB)	HDD 2(GB)	ODD	Media Processor	Extra SW1
AS5940G-724G32Mn	N320GB5.4KS	N	NSM8XS	N	N
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Wi	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wi	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-824G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bi	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G32Mn	N320GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G32Mn	N320GB5.4KS	N	NSM8XS	N	N
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G32Mn	N320GB5.4KS	N	NSM8XS	N	N
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G32Mn	N320GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee

Model	HDD 1(GB)	HDD 2(GB)	ODD	Media Processor	Extra SW1
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bi	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee

Model	HDD 1(GB)	HDD 2(GB)	ODD	Media Processor	Extra SW1
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee

Model	HDD 1(GB)	HDD 2(GB)	ODD	Media Processor	Extra SW1
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G32Mn	N320GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Wn	N500GB5.4KS	N	NBDRW4XS	N	McAfee
AS5940G-724G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-724G50Mn	N500GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-824G50Bn	N500GB5.4KS	N	NBDCB4XS	N	McAfee
AS5940G-824G32Mn	N320GB5.4KS	N	NSM8XS	N	McAfee
AS5940G-724G32Mn	N320GB5.4KS	N	NSM8XS	N	N

Model	Card Reader	Wireless LAN1	Bluetooth
AS5940G-824G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G32Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wi	5 in 1-Build in	SP1x2HABG	BT 2.1
AS5940G-724G50Wi	5 in 1-Build in	SP1x2HABG	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP3x3HMW	BT 2.1
AS5940G-824G50Bn	5 in 1-Build in	SP3x3HMW	BT 2.1
AS5940G-724G50Bi	5 in 1-Build in	SP1x2HABG	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1

Model	Card Reader	Wireless LAN1	Bluetooth
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G32Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G32Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G32Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G32Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bi	5 in 1-Build in	SP1x2HABG	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1

Model	Card Reader	Wireless LAN1	Bluetooth
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP3x3HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1

Model	Card Reader	Wireless LAN1	Bluetooth
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G32Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Wn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Bn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-724G50Mn	5 in 1-Build in	SP1x2HMW	BT 2.1
AS5940G-824G50Bn	5 in 1-Build in	SP3x3HMW	BT 2.1
AS5940G-824G32Mn	5 in 1-Build in	SP3x3MMW	BT 2.1
AS5940G-724G32Mn	5 in 1-Build in	SP1x2HMW	BT 2.1

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® 7 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 5940G Series Compatibility Test Report released by the Acer Mobile System Testing Department.

Microsoft® Windows® 7 Environment Test

Vendor	Description	ITEM_No
Adapter		
DELTA	90W	“Adapter DELTA 90W 19V 1.7x5.5x11 Blue ADP-90CD DB A, LV5 LED LF”
LITE-ON	90W	“Adapter LITE-ON 90W 19V 1.7x5.5x11 Blue PA-1900-34AR, LV5 LED LF”
HIPRO	90W	“Adapter HIPRO 90W 19V 1.7x5.5x11 Blue HP-A0904A3 B1LF, LV5 LED LF”
DELTA	90W	“Adapter DELTA 90W 19V 1.7x5.5x11 Blue ADP-90CD DB A, LV5 LED LF”
LITE-ON	90W	“Adapter LITE-ON 90W 19V 1.7x5.5x11 Blue PA-1900-34AR, LV5 LED LF”
HIPRO	90W	“Adapter HIPRO 90W 19V 1.7x5.5x11 Blue HP-A0904A3 B1LF, LV5 LED LF”
DELTA	90W	“Adapter DELTA 90W 19V 1.7x5.5x11 Blue ADP-90CD DB A, LV5 LED LF”
LITE-ON	90W	“Adapter LITE-ON 90W 19V 1.7x5.5x11 Blue PA-1900-34AR, LV5 LED LF”
HIPRO	90W	“Adapter HIPRO 90W 19V 1.7x5.5x11 Blue HP-A0904A3 B1LF, LV5 LED LF”
DELTA	90W	“Adapter DELTA 90W 19V 1.7x5.5x11 Blue ADP-90CD DB A, LV5 LED LF”
LITE-ON	90W	“Adapter LITE-ON 90W 19V 1.7x5.5x11 Blue PA-1900-34AR, LV5 LED LF”
HIPRO	90W	“Adapter HIPRO 90W 19V 1.7x5.5x11 Blue HP-A0904A3 B1LF, LV5 LED LF”
Audio Codec		
Realtek	ALC669X	Realtek ALC669X
Realtek	ALC669X	Realtek ALC669X
Realtek	ALC669X	Realtek ALC669X
Realtek	ALC669X	Realtek ALC669X
Battery		
SANYO	6CELL2.2	Battery SANYO AS-2007B Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON Normal Type
SONY	6CELL2.2	Battery SONY AS-2007B Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON Normal Type
PANASONIC	6CELL2.2	Battery PANASONIC AS-2007B Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON PSS
SAMSUNG	6CELL2.2	Battery SAMSUNG AS-2007B Li-Ion 3S2P SAMSUNG 6 cell 4400mAh Main COMMON SDI 2.2F
SANYO	8CELL2.4	Battery SANYO AS-2007B Li-Ion 4S2P SANYO 8 cell 4800mAh Main COMMON
SONY	8CELL2.4	Battery SONY AS-2007B Li-Ion 4S2P SONY 8 cell 4800mAh Main COMMON
SANYO	6CELL2.2	Battery SANYO AS-2007B Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON Normal Type
SONY	6CELL2.2	Battery SONY AS-2007B Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON Normal Type

Vendor	Description	ITEM_No
PANASONIC	6CELL2.2	Battery PANASONIC AS-2007B Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON PSS
SAMSUNG	6CELL2.2	Battery SAMSUNG AS-2007B Li-Ion 3S2P SAMSUNG 6 cell 4400mAh Main COMMON SDI 2.2F
SANYO	8CELL2.4	Battery SANYO AS-2007B Li-Ion 4S2P SANYO 8 cell 4800mAh Main COMMON
SONY	8CELL2.4	Battery SONY AS-2007B Li-Ion 4S2P SONY 8 cell 4800mAh Main COMMON
SANYO	6CELL2.2	Battery SANYO AS-2007B Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON Normal Type
SONY	6CELL2.2	Battery SONY AS-2007B Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON Normal Type
PANASONIC	6CELL2.2	Battery PANASONIC AS-2007B Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON PSS
SAMSUNG	6CELL2.2	Battery SAMSUNG AS-2007B Li-Ion 3S2P SAMSUNG 6 cell 4400mAh Main COMMON SDI 2.2F
SANYO	8CELL2.4	Battery SANYO AS-2007B Li-Ion 4S2P SANYO 8 cell 4800mAh Main COMMON
SONY	8CELL2.4	Battery SONY AS-2007B Li-Ion 4S2P SONY 8 cell 4800mAh Main COMMON
SANYO	6CELL2.2	Battery SANYO AS-2007B Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON Normal Type
SONY	6CELL2.2	Battery SONY AS-2007B Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON Normal Type
PANASONIC	6CELL2.2	Battery PANASONIC AS-2007B Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON PSS
SAMSUNG	6CELL2.2	Battery SAMSUNG AS-2007B Li-Ion 3S2P SAMSUNG 6 cell 4400mAh Main COMMON SDI 2.2F
SANYO	8CELL2.4	Battery SANYO AS-2007B Li-Ion 4S2P SANYO 8 cell 4800mAh Main COMMON
SONY	8CELL2.4	Battery SONY AS-2007B Li-Ion 4S2P SONY 8 cell 4800mAh Main COMMON
Bluetooth		
Foxconn	BT 2.1	Foxconn Bluetooth BRM 2046 BT2.1 (T60H928.33) f/w:861
Foxconn	BT 2.1	Foxconn Bluetooth BRM 2046 BT2.1 (T60H928.33) f/w:861
Foxconn	BT 2.1	Foxconn Bluetooth BRM 2046 BT2.1 (T60H928.33) f/w:861
Foxconn	BT 2.1	Foxconn Bluetooth BRM 2046 BT2.1 (T60H928.33) f/w:861
Camera		
Suyin	1.0M DV	Suyin 1.0M DV Tulip_G
Chicony	1.0M DV	Chicony 1.0M DV Daisy_G
Suyin	1.0M DV	Suyin 1.0M DV Tulip_G
Chicony	1.0M DV	Chicony 1.0M DV Daisy_G
Suyin	1.0M DV	Suyin 1.0M DV Tulip_G
Chicony	1.0M DV	Chicony 1.0M DV Daisy_G
Suyin	1.0M DV	Suyin 1.0M DV Tulip_G
Chicony	1.0M DV	Chicony 1.0M DV Daisy_G
Card Reader		

Vendor	Description	ITEM_No
	5 in 1-Build in	“5 in 1-Build in MS, MS Pro, SD, SC, XD”
	5 in 1-Build in	“5 in 1-Build in MS, MS Pro, SD, SC, XD”
	5 in 1-Build in	“5 in 1-Build in MS, MS Pro, SD, SC, XD”
	5 in 1-Build in	“5 in 1-Build in MS, MS Pro, SD, SC, XD”
CPU		
Finger Print		
LTT	SS801U	LTT Finger Print SS801U
LTT	SS801U	LTT Finger Print SS801U
HDD		
SEAGATE	N160GB5.4K S	“HDD SEAGATE 2.5”” 5400rpm 160GB ST9160314AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N160GB5.4K S	“HDD TOSHIBA 2.5”” 5400rpm 160GB MK1655GSX Libra SATA LF F/W: FG011J”
HGST	N160GB5.4K S	“HDD HGST 2.5”” 5400rpm 160GB HTS545016B9A300 Panther B SATA LF F/W:C60F”
WD	N160GB5.4K S	“HDD WD 2.5”” 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11”
SEAGATE	N250GB5.4K S	“HDD SEAGATE 2.5”” 5400rpm 250GB ST9250315AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N250GB5.4K S	“HDD TOSHIBA 2.5”” 5400rpm 250GB MK2555GSX Libra SATA LF F/W:FG001J”
HGST	N250GB5.4K S	“HDD HGST 2.5”” 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F”
HGST	N250GB5.4K S	“HDD HGST 2.5”” 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N250GB5.4K S	“HDD WD 2.5”” 5400rpm 250GB WD2500BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11”
SEAGATE	N320GB5.4K S	“HDD SEAGATE 2.5”” 5400rpm 320GB ST9320325AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N320GB5.4K S	“HDD TOSHIBA 2.5”” 5400rpm 320GB MK3255GSX Libra SATA LF F/W:FG011J”
HGST	N320GB5.4K S	“HDD HGST 2.5”” 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W: C60F”
HGST	N320GB5.4K S	“HDD HGST 2.5”” 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N320GB5.4K S	“HDD WD 2.5”” 5400rpm 320GB WD3200BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11”
SEAGATE	N500GB5.4K S	“HDD SEAGATE 2.5”” 5400rpm 500GB ST9500325AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N500GB5.4K S	“HDD TOSHIBA 2.5”” 5400rpm 500GB MK5055GSX Libra SATA LF F/W:FG001J”
HGST	N500GB5.4K S	“HDD HGST 2.5”” 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F”
HGST	N500GB5.4K S	“HDD HGST 2.5”” 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N500GB5.4K S	“HDD WD 2.5”” 5400rpm 500GB WD5000BEVT-22ZAT0 ML250 SATA LF F/W:01.01A01”

Vendor	Description	ITEM_No
SEAGATE	N160GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 160GB ST9160314AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N160GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 160GB MK1655GSX Libra SATA LF F/W: FG011J”
HGST	N160GB5.4KS	“HDD HGST 2.5”” 5400rpm 160GB HTS545016B9A300 Panther B SATA LF F/W:C60F”
WD	N160GB5.4KS	“HDD WD 2.5”” 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11”
SEAGATE	N250GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 250GB ST9250315AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N250GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 250GB MK2555GSX Libra SATA LF F/W:FG001J”
HGST	N250GB5.4KS	“HDD HGST 2.5”” 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F”
HGST	N250GB5.4KS	“HDD HGST 2.5”” 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N250GB5.4KS	“HDD WD 2.5”” 5400rpm 250GB WD2500BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11”
SEAGATE	N320GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 320GB ST9320325AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N320GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 320GB MK3255GSX Libra SATA LF F/W:FG011J”
HGST	N320GB5.4KS	“HDD HGST 2.5”” 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W: C60F”
HGST	N320GB5.4KS	“HDD HGST 2.5”” 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N320GB5.4KS	“HDD WD 2.5”” 5400rpm 320GB WD3200BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11”
SEAGATE	N500GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 500GB ST9500325AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N500GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 500GB MK5055GSX Libra SATA LF F/W:FG001J”
HGST	N500GB5.4KS	“HDD HGST 2.5”” 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F”
HGST	N500GB5.4KS	“HDD HGST 2.5”” 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N500GB5.4KS	“HDD WD 2.5”” 5400rpm 500GB WD5000BEVT-22ZAT0 ML250 SATA LF F/W:01.01A01”
SEAGATE	N160GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 160GB ST9160314AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N160GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 160GB MK1655GSX Libra SATA LF F/W: FG011J”
HGST	N160GB5.4KS	“HDD HGST 2.5”” 5400rpm 160GB HTS545016B9A300 Panther B SATA LF F/W:C60F”
WD	N160GB5.4KS	“HDD WD 2.5”” 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11”
SEAGATE	N250GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 250GB ST9250315AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N250GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 250GB MK2555GSX Libra SATA LF F/W:FG001J”

Vendor	Description	ITEM_No
HGST	N250GB5.4KS	“HDD HGST 2.5”” 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F”
HGST	N250GB5.4KS	“HDD HGST 2.5”” 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N250GB5.4KS	“HDD WD 2.5”” 5400rpm 250GB WD2500BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11”
SEAGATE	N320GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 320GB ST9320325AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N320GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 320GB MK3255GSX Libra SATA LF F/W:FG011J”
HGST	N320GB5.4KS	“HDD HGST 2.5”” 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W: C60F”
HGST	N320GB5.4KS	“HDD HGST 2.5”” 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N320GB5.4KS	“HDD WD 2.5”” 5400rpm 320GB WD3200BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11”
SEAGATE	N500GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 500GB ST9500325AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N500GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 500GB MK5055GSX Libra SATA LF F/W:FG001J”
HGST	N500GB5.4KS	“HDD HGST 2.5”” 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F”
HGST	N500GB5.4KS	“HDD HGST 2.5”” 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N500GB5.4KS	“HDD WD 2.5”” 5400rpm 500GB WD5000BEVT-22ZAT0 ML250 SATA LF F/W:01.01A01”
SEAGATE	N160GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 160GB ST9160314AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N160GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 160GB MK1655GSX Libra SATA LF F/W: FG011J”
HGST	N160GB5.4KS	“HDD HGST 2.5”” 5400rpm 160GB HTS545016B9A300 Panther B SATA LF F/W:C60F”
WD	N160GB5.4KS	“HDD WD 2.5”” 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11”
SEAGATE	N250GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 250GB ST9250315AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N250GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 250GB MK2555GSX Libra SATA LF F/W:FG001J”
HGST	N250GB5.4KS	“HDD HGST 2.5”” 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F”
HGST	N250GB5.4KS	“HDD HGST 2.5”” 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N250GB5.4KS	“HDD WD 2.5”” 5400rpm 250GB WD2500BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11”
SEAGATE	N320GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 320GB ST9320325AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N320GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 320GB MK3255GSX Libra SATA LF F/W:FG011J”
HGST	N320GB5.4KS	“HDD HGST 2.5”” 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W: C60F”

Vendor	Description	ITEM_No
HGST	N320GB5.4KS	“HDD HGST 2.5”” 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N320GB5.4KS	“HDD WD 2.5”” 5400rpm 320GB WD3200BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11”
SEAGATE	N500GB5.4KS	“HDD SEAGATE 2.5”” 5400rpm 500GB ST9500325AS Wyatt SATA LF F/W:0001SDM1”
TOSHIBA	N500GB5.4KS	“HDD TOSHIBA 2.5”” 5400rpm 500GB MK5055GSX Libra SATA LF F/W:FG001J”
HGST	N500GB5.4KS	“HDD HGST 2.5”” 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F”
HGST	N500GB5.4KS	“HDD HGST 2.5”” 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm”
WD	N500GB5.4KS	“HDD WD 2.5”” 5400rpm 500GB WD5000BEVT-22ZAT0 ML250 SATA LF F/W:01.01A01”
Keyboard		
ACER	AC4B	Keyboard ACER AC4B SM50 Internal 14 Standard Black Backlit
ACER	AC4B	Keyboard ACER AC4B SM50 Internal 14 Standard Black Backlit
ACER	AC4B	Keyboard ACER AC4B SM50 Internal 14 Standard Black Backlit
ACER	AC4B	Keyboard ACER AC4B SM50 Internal 14 Standard Black Backlit
LAN		
Broadcom	BCM57780	Broadcom BCM57780
Broadcom	BCM57780	Broadcom BCM57780
Broadcom	BCM57780	Broadcom BCM57780
Broadcom	BCM57780	Broadcom BCM57780
LCD		
AUO	NLED15.6WXGAG	“LED LCD AUO 15.6””W WXGA Glare B156XW02 V0 LF 220nit 8ms 500:1”
SAMSUNG	NLED15.6WXGAG	“LED LCD SAMSUNG 15.6””W WXGA Glare LTN156AT02-A02 LF 220nit 8ms 500:1”
LPL	NLED15.6WXGAG	“LED LCD LPL 15.6””W WXGA Glare LP156WH2-TLE1 LF 220nit 8ms 400:1”
CMO	NLED15.6WXGAG	“LED LCD CMO 15.6””W WXGA Glare N156B6-L06 LF 220nit 8ms 500:1”
INNOLUX	NLED15.6WXGAG	“LED LCD INNOLUX 15.6””W WXGA Glare BT156GW01 V2 LF 220nit 8ms 600:1”
AUO	NLED15.6WXGAG	“LED LCD AUO 15.6””W WXGA Glare B156XW02 V0 LF 220nit 8ms 500:1”
SAMSUNG	NLED15.6WXGAG	“LED LCD SAMSUNG 15.6””W WXGA Glare LTN156AT02-A02 LF 220nit 8ms 500:1”
LPL	NLED15.6WXGAG	“LED LCD LPL 15.6””W WXGA Glare LP156WH2-TLE1 LF 220nit 8ms 400:1”
CMO	NLED15.6WXGAG	“LED LCD CMO 15.6””W WXGA Glare N156B6-L06 LF 220nit 8ms 500:1”
INNOLUX	NLED15.6WXGAG	“LED LCD INNOLUX 15.6””W WXGA Glare BT156GW01 V2 LF 220nit 8ms 600:1”
AUO	NLED15.6WXGAG	“LED LCD AUO 15.6””W WXGA Glare B156XW02 V0 LF 220nit 8ms 500:1”

Vendor	Description	ITEM_No
SAMSUNG	NLED15.6W XGAG	“LED LCD SAMSUNG 15.6””W WXGA Glare LTN156AT02-A02 LF 220nit 8ms 500:1”
LPL	NLED15.6W XGAG	“LED LCD LPL 15.6””W WXGA Glare LP156WH2-TLE1 LF 220nit 8ms 400:1”
CMO	NLED15.6W XGAG	“LED LCD CMO 15.6””W WXGA Glare N156B6-L06 LF 220nit 8ms 500:1”
INNOLUX	NLED15.6W XGAG	“LED LCD INNOLUX 15.6””W WXGA Glare BT156GW01 V2 LF 220nit 8ms 600:1”
AUO	NLED15.6W XGAG	“LED LCD AUO 15.6””W WXGA Glare B156XW02 V0 LF 220nit 8ms 500:1”
SAMSUNG	NLED15.6W XGAG	“LED LCD SAMSUNG 15.6””W WXGA Glare LTN156AT02-A02 LF 220nit 8ms 500:1”
LPL	NLED15.6W XGAG	“LED LCD LPL 15.6””W WXGA Glare LP156WH2-TLE1 LF 220nit 8ms 400:1”
CMO	NLED15.6W XGAG	“LED LCD CMO 15.6””W WXGA Glare N156B6-L06 LF 220nit 8ms 500:1”
INNOLUX	NLED15.6W XGAG	“LED LCD INNOLUX 15.6””W WXGA Glare BT156GW01 V2 LF 220nit 8ms 600:1”
Memory		
NANYA	SO1GBIII10	Memory NANYA SO-DIMM DDRIII 1066 1GB NT1GC64BH8A1PS-BE LF 64*16 0.07um
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ11UE6BBS0-AE-F LF 64*16 0.065um
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ10UE8BDS0-AE-F LF 128*8 0.065um
SAMSUNG	SO1GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 1GB M471B2873EH1-CF8 LF 64*16 0.055um
HYNIX	SO1GBIII10	Memory HYNIX SO-DIMM DDRIII 1066 1GB HMT112S6BFR6C-G7 N0 LF 64*16 0.055um
NANYA	SO2GBIII10	Memory NANYA SO-DIMM DDRIII 1066 2GB NT2GC64B8HA1NS-BE LF 128*8 0.07um
ELPIDA	SO2GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 2GB EBJ21UE8BBS0-AE-F LF 128*8 0.065um
SAMSUNG	SO2GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 2GB M471B5673EH1-CF8 LF 128*8 0.055um
A-DATA	SO2GBIII10	Memory A-DATA SO-DIMM DDRIII 1066 2GB HY7YG1B1674ZM LF 128*8 0.065um
HYNIX	SO2GBIII10	Memory HYNIX SO-DIMM DDRIII 1066 2GB HMT125S6BFR8C-G7 N0 LF 128*8 0.055um
NANYA	SO1GBIII10	Memory NANYA SO-DIMM DDRIII 1066 1GB NT1GC64BH8A1PS-BE LF 64*16 0.07um
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ11UE6BBS0-AE-F LF 64*16 0.065um
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ10UE8BDS0-AE-F LF 128*8 0.065um
SAMSUNG	SO1GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 1GB M471B2873EH1-CF8 LF 64*16 0.055um
HYNIX	SO1GBIII10	Memory HYNIX SO-DIMM DDRIII 1066 1GB HMT112S6BFR6C-G7 N0 LF 64*16 0.055um

Vendor	Description	ITEM_No
NANYA	SO2GBIII10	Memory NANYA SO-DIMM DDRIII 1066 2GB NT2GC64B8HA1NS-BE LF 128*8 0.07um
ELPIDA	SO2GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 2GB EBJ21UE8BBS0-AE-F LF 128*8 0.065um
SAMSUNG	SO2GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 2GB M471B5673EH1-CF8 LF 128*8 0.055um
A-DATA	SO2GBIII10	Memory A-DATA SO-DIMM DDRIII 1066 2GB HY7YG1B1674ZM LF 128*8 0.065um
HYNIX	SO2GBIII10	Memory HYNIX SO-DIMM DDRIII 1066 2GB HMT125S6BFR8C-G7 N0 LF 128*8 0.055um
NANYA	SO1GBIII10	Memory NANYA SO-DIMM DDRIII 1066 1GB NT1GC64BH8A1PS-BE LF 64*16 0.07um
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ11UE6BBS0-AE-F LF 64*16 0.065um
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ10UE8BDS0-AE-F LF 128*8 0.065um
SAMSUNG	SO1GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 1GB M471B2873EH1-CF8 LF 64*16 0.055um
HYNIX	SO1GBIII10	Memory HYNIX SO-DIMM DDRIII 1066 1GB HMT112S6BFR6C-G7 N0 LF 64*16 0.055um
NANYA	SO2GBIII10	Memory NANYA SO-DIMM DDRIII 1066 2GB NT2GC64B8HA1NS-BE LF 128*8 0.07um
ELPIDA	SO2GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 2GB EBJ21UE8BBS0-AE-F LF 128*8 0.065um
SAMSUNG	SO2GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 2GB M471B5673EH1-CF8 LF 128*8 0.055um
A-DATA	SO2GBIII10	Memory A-DATA SO-DIMM DDRIII 1066 2GB HY7YG1B1674ZM LF 128*8 0.065um
HYNIX	SO2GBIII10	Memory HYNIX SO-DIMM DDRIII 1066 2GB HMT125S6BFR8C-G7 N0 LF 128*8 0.055um
NANYA	SO1GBIII10	Memory NANYA SO-DIMM DDRIII 1066 1GB NT1GC64BH8A1PS-BE LF 64*16 0.07um
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ11UE6BBS0-AE-F LF 64*16 0.065um
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ10UE8BDS0-AE-F LF 128*8 0.065um
SAMSUNG	SO1GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 1GB M471B2873EH1-CF8 LF 64*16 0.055um
HYNIX	SO1GBIII10	Memory HYNIX SO-DIMM DDRIII 1066 1GB HMT112S6BFR6C-G7 N0 LF 64*16 0.055um
NANYA	SO2GBIII10	Memory NANYA SO-DIMM DDRIII 1066 2GB NT2GC64B8HA1NS-BE LF 128*8 0.07um
ELPIDA	SO2GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 2GB EBJ21UE8BBS0-AE-F LF 128*8 0.065um
SAMSUNG	SO2GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 2GB M471B5673EH1-CF8 LF 128*8 0.055um
A-DATA	SO2GBIII10	Memory A-DATA SO-DIMM DDRIII 1066 2GB HY7YG1B1674ZM LF 128*8 0.065um
HYNIX	SO2GBIII10	Memory HYNIX SO-DIMM DDRIII 1066 2GB HMT125S6BFR8C-G7 N0 LF 128*8 0.055um

Vendor	Description	ITEM_No
NB Chipset		
INTEL	PM55	NB Chipset Intel CS BD82PM55 MM#903212
INTEL	PM55	NB Chipset Intel CS BD82PM55 MM#903212
INTEL	PM55	NB Chipset Intel CS BD82PM55 MM#903212
INTEL	PM55	NB Chipset Intel CS BD82PM55 MM#903212
ODD		
PIONEER	NBDCB4XS	ODD PIONEER BD COMBO 12.7mm Tray DL 4X BDC-TD01RS LF W/O bezel SATA
HLDS	NBDCB4XS	ODD HLDS BD COMBO 12.7mm Tray DL 4X CT10 LF W/O bezel SATA
HLDS	NBDCB4XS	ODD HLDS BD COMBO 12.7mm Tray DL 4X CT21N LF W/O bezel 1.00 SATA (HF + Windows 7)
SONY	NBDCB4XS	ODD SONY BD COMBO 12.7mm Tray DL 4X BC-5500S LF W/O bezel FW 1.E1 SATA (Windows 7)
SONY	NBDCB4XS	ODD SONY BD COMBO 12.7mm Tray DL 4X BC-5500H LF W/O bezel SATA (HF + Windows 7)
PLDS	NBDCB4XS	ODD PLDS BD COMBO 12.7mm Tray DL 4X DS-4E1S LF W/O bezel SATA
PLDS	NBDCB4XS	ODD PLDS BD COMBO 12.7mm Tray DL 4X DS-4E1S LF W/O bezel SATA (Windows 7)
PIONEER	NBDRW4XS	ODD PIONEER BD RW 12.7mm Tray DL 4X BDR-TD01RS LF W/O bezel SATA
PIONEER	NBDRW4XS	ODD PIONEER BD RW 12.7mm Tray DL 4X BDR-TD01RS LF W/O bezel SATA (Windows 7)
PANASONIC	NBDRW4XS	“ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ230A LF W/O bezel SATA 2X double Layer, 4X Single Layer”
PANASONIC	NBDRW4XS	ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ230A LF W/O bezel FW 1.10 SATA (Windows 7)
PANASONIC	NBDRW4XS	ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ240A LF W/O bezel SATA (HF+Windows 7)
TOSHIBA	NSM8XS	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633B LF W/O bezel SATA
TOSHIBA	NSM8XS	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633C LF W/O bezel SATA (HF + Windows 7)
HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT20N LF W/O bezel SATA
HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT30N LF W/O bezel SATA (HF + Windows 7)
SONY	NSM8XS	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7580S LF W/O bezel SATA
SONY	NSM8XS	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7585H LF W/O bezel SATA (HF + Windows 7)
PLDS	NSM8XS	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A3S LF W/O bezel SATA
PLDS	NSM8XS	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A4SH LF W/O bezel SATA (HF + Windows 7)
PIONEER	NBDCB4XS	ODD PIONEER BD COMBO 12.7mm Tray DL 4X BDC-TD01RS LF W/O bezel SATA

Vendor	Description	ITEM_No
HLDS	NBDCB4XS	ODD HLDS BD COMBO 12.7mm Tray DL 4X CT10 LF W/O bezel SATA
HLDS	NBDCB4XS	ODD HLDS BD COMBO 12.7mm Tray DL 4X CT21N LF W/O bezel 1.00 SATA (HF + Windows 7)
SONY	NBDCB4XS	ODD SONY BD COMBO 12.7mm Tray DL 4X BC-5500S LF W/O bezel FW 1.E1 SATA (Windows 7)
SONY	NBDCB4XS	ODD SONY BD COMBO 12.7mm Tray DL 4X BC-5500H LF W/O bezel SATA (HF + Windows 7)
PLDS	NBDCB4XS	ODD PLDS BD COMBO 12.7mm Tray DL 4X DS-4E1S LF W/O bezel SATA
PLDS	NBDCB4XS	ODD PLDS BD COMBO 12.7mm Tray DL 4X DS-4E1S LF W/O bezel SATA (Windows 7)
PIONEER	NBDRW4XS	ODD PIONEER BD RW 12.7mm Tray DL 4X BDR-TD01RS LF W/O bezel SATA
PIONEER	NBDRW4XS	ODD PIONEER BD RW 12.7mm Tray DL 4X BDR-TD01RS LF W/O bezel SATA (Windows 7)
PANASONIC	NBDRW4XS	“ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ230A LF W/O bezel SATA 2X double Layer, 4X Single Layer”
PANASONIC	NBDRW4XS	ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ230A LF W/O bezel FW 1.10 SATA (Windows 7)
PANASONIC	NBDRW4XS	ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ240A LF W/O bezel SATA (HF+Windows 7)
TOSHIBA	NSM8XS	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633B LF W/O bezel SATA
TOSHIBA	NSM8XS	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633C LF W/O bezel SATA (HF + Windows 7)
HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT20N LF W/O bezel SATA
HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT30N LF W/O bezel SATA (HF + Windows 7)
SONY	NSM8XS	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7580S LF W/O bezel SATA
SONY	NSM8XS	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7585H LF W/O bezel SATA (HF + Windows 7)
PLDS	NSM8XS	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A3S LF W/O bezel SATA
PLDS	NSM8XS	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A4SH LF W/O bezel SATA (HF + Windows 7)
PIONEER	NBDCB4XS	ODD PIONEER BD COMBO 12.7mm Tray DL 4X BDC-TD01RS LF W/O bezel SATA
HLDS	NBDCB4XS	ODD HLDS BD COMBO 12.7mm Tray DL 4X CT10 LF W/O bezel SATA
HLDS	NBDCB4XS	ODD HLDS BD COMBO 12.7mm Tray DL 4X CT21N LF W/O bezel 1.00 SATA (HF + Windows 7)
SONY	NBDCB4XS	ODD SONY BD COMBO 12.7mm Tray DL 4X BC-5500S LF W/O bezel FW 1.E1 SATA (Windows 7)
SONY	NBDCB4XS	ODD SONY BD COMBO 12.7mm Tray DL 4X BC-5500H LF W/O bezel SATA (HF + Windows 7)
PLDS	NBDCB4XS	ODD PLDS BD COMBO 12.7mm Tray DL 4X DS-4E1S LF W/O bezel SATA

Vendor	Description	ITEM_No
PLDS	NBDCB4XS	ODD PLDS BD COMBO 12.7mm Tray DL 4X DS-4E1S LF W/O bezel SATA (Windows 7)
PIONEER	NBDRW4XS	ODD PIONEER BD RW 12.7mm Tray DL 4X BDR-TD01RS LF W/O bezel SATA
PANASONIC	NBDRW4XS	“ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ230A LF W/O bezel SATA 2X double Layer, 4X Single Layer”
PANASONIC	NBDRW4XS	ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ240A LF W/O bezel SATA (HF+Windows 7)
TOSHIBA	NSM8XS	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633B LF W/O bezel SATA
HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT20N LF W/O bezel SATA
SONY	NSM8XS	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7580S LF W/O bezel SATA
PLDS	NSM8XS	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A3S LF W/O bezel SATA
PIONEER	NBDCB4XS	ODD PIONEER BD COMBO 12.7mm Tray DL 4X BDC-TD01RS LF W/O bezel SATA
HLDS	NBDCB4XS	ODD HLDS BD COMBO 12.7mm Tray DL 4X CT10 LF W/O bezel SATA
HLDS	NBDCB4XS	ODD HLDS BD COMBO 12.7mm Tray DL 4X CT21N LF W/O bezel 1.00 SATA (HF + Windows 7)
SONY	NBDCB4XS	ODD SONY BD COMBO 12.7mm Tray DL 4X BC-5500S LF W/O bezel FW 1.E1 SATA (Windows 7)
SONY	NBDCB4XS	ODD SONY BD COMBO 12.7mm Tray DL 4X BC-5500H LF W/O bezel SATA (HF + Windows 7)
PLDS	NBDCB4XS	ODD PLDS BD COMBO 12.7mm Tray DL 4X DS-4E1S LF W/O bezel SATA
PLDS	NBDCB4XS	ODD PLDS BD COMBO 12.7mm Tray DL 4X DS-4E1S LF W/O bezel SATA (Windows 7)
PIONEER	NBDRW4XS	ODD PIONEER BD RW 12.7mm Tray DL 4X BDR-TD01RS LF W/O bezel SATA
PIONEER	NBDRW4XS	ODD PIONEER BD RW 12.7mm Tray DL 4X BDR-TD01RS LF W/O bezel SATA (Windows 7)
PANASONIC	NBDRW4XS	“ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ230A LF W/O bezel SATA 2X double Layer, 4X Single Layer”
PANASONIC	NBDRW4XS	ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ230A LF W/O bezel FW 1.10 SATA (Windows 7)
PANASONIC	NBDRW4XS	ODD PANASONIC BD RW 12.7mm Tray DL 4X UJ240A LF W/O bezel SATA (HF+Windows 7)
TOSHIBA	NSM8XS	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633C LF W/O bezel SATA (HF + Windows 7)
HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT30N LF W/O bezel SATA (HF + Windows 7)
SONY	NSM8XS	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7585H LF W/O bezel SATA (HF + Windows 7)
PLDS	NSM8XS	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A4SH LF W/O bezel SATA (HF + Windows 7)
Remote Controller		
Fomosa21	RC804V-B	Fomosa21 Remote Controller RC804V-B EU

Vendor	Description	ITEM_No
Formosa21	RC804V-B	Formosa21 Remote Controller RC804V-B TC
Formosa21	RC804V-B	Formosa21 Remote Controller RC804V-B SC
Formosa21	RC804V-B	Formosa21 Remote Controller RC804V-B EN
Fomosa21	RC804V-B	Fomosa21 Remote Controller RC804V-B EU
Formosa21	RC804V-B	Formosa21 Remote Controller RC804V-B TC
Formosa21	RC804V-B	Formosa21 Remote Controller RC804V-B SC
Formosa21	RC804V-B	Formosa21 Remote Controller RC804V-B EN
Software		
	McAfee	Antivirus application McAfee
	McAfee	Antivirus application McAfee
	McAfee	Antivirus application McAfee
	McAfee	Antivirus application McAfee
TV Antenna		
	Passive Antenna	Avermedia Di-Pole passive TV Antenna
	Passive Antenna	Avermedia Di-Pole passive TV Antenna
TV Tuner		
	DVB-T Mini-card	DVB-T Mini-card TT-1281DA w/DiBCOM DIB7770
	DVB-T Mini-card	DVB-T Mini-card TT-1281DA w/DiBCOM DIB7770
VGA Chip		
AMD	M96	AMD M96 55nm 29mm*29mm M2 package
AMD	M96	AMD M96 55nm 29mm*29mm M2 package
AMD	M96	AMD M96 55nm 29mm*29mm M2 package
AMD	M96	AMD M96 55nm 29mm*29mm M2 package
VRAM		
	1G-DDR3 (64*16*8)	1G-DDR3 64*16*8
	1G-DDR3 (64*16*8)	1G-DDR3 64*16*8
	1G-DDR3 (64*16*8)	1G-DDR3 64*16*8
	1G-DDR3 (64*16*8)	1G-DDR3 64*16*8
WiFi Antenna		
WNC	PIFA	PIFA
WNC	PIFA	PIFA
WNC	PIFA	PIFA
WNC	PIFA	PIFA
Wireless LAN		
INTEL	SP3x3HMW	Lan Intel WLAN 533AN_HMWG Shirley Peak MM#895401
INTEL	SP1x2HMW	Lan Intel WLAN 512AN_HMWG Shirley Peak 5100 MM#895373
INTEL	SP3x3HMW	Lan Intel WLAN 533AN_HMWG Shirley Peak MM#895401

Vendor	Description	ITEM_No
INTEL	SP1x2HMW	Lan Intel WLAN 512AN_HMWG Shirley Peak 5100 MM#895373
INTEL	SP3x3HMW	Lan Intel WLAN 533AN_HMWG Shirley Peak MM#895401
INTEL	SP1x2HMW	Lan Intel WLAN 512AN_HMWG Shirley Peak 5100 MM#895373
INTEL	SP3x3HMW	Lan Intel WLAN 533AN_HMWG Shirley Peak MM#895401
INTEL	SP1x2HMW	Lan Intel WLAN 512AN_HMWG Shirley Peak 5100 MM#895373

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.

Index

T

U

V

W