

Acer Chromebook CP713-2W

SERVICE GUIDE

Revision History

Refer to the table below for the updates made to this service guide.

Date	Version	Chapter	Updates
05-08-2020	V 1.00	All (except CH2 & 6)	
05-12-2020	V 1.01	6	Update FRU list
05-25-2020	V 1.02	3	Add WEEE label for specific items
06-15-2020	V 1.03	2	Add content for CH2
		6	Update FRU list
		7	Update BOM list
		8	Update AVL list

Service guide files and updates are available on the ACER/CSD Website. For more information, go to <http://csd.acer.com.tw>. The information in this guide is subject to change without notice.

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Conventions

The following conventions are used in this manual:

⚠ **WARNING:**

Indicates a potential for personal injury.

⚠ **CAUTION:**

Indicates a potential loss of data or damage to equipment.

+ **IMPORTANT:**

Indicates information that is important to know for the proper completion of a procedure, choice of an option, or completing a task.

The following typographical conventions are used in this document:

- Book titles, directory names, file names, path names, and program/process names are shown in *italics*.

Example:

the *DR55 User's Guide*

/usr/local/bin/fd

the */TPH15spool_M* program

- Computer output (text that represents information displayed on a computer screen, such as menus, prompts, responses to input, and error messages) are shown in constant width.

Example:

[01] The server has been stopped

- User input (text that represents information entered by a computer user, such as command names, option letters, and words) are shown in constant width bold.

Variables contained within user input are shown in angle brackets (< >).

Example:

At the prompt, type run **<file name> -m**

- Keyboard keys are shown in ***bold italics***.

Example:

After entering data, press ***Enter***.

General Information

This service guide provides all technical information relating to the basic configuration for Acer's global product offering. To better fit local market requirements and enhance product competitiveness, the regional office may have decided to extend the functionality of a machine (such as add-on cards, modems, or extra memory capabilities). These localized features are not covered in this generic service guide. In such cases, contact the regional offices or the responsible personnel/channel to provide further technical details.

When ordering FRU parts: Check the most up-to-date information available on the Website. If, for whatever reason, a part number change is made, it may not be noted in this printed service guide.

Acer-authorized Service Providers: The Acer office may have a different part number code than those given in the FRU list in this service guide. A list must be provided by the regional Acer office to order FRU parts for repair and service of customer machines.

CHAPTER 1

Hardware Specifications

Features	1-4
Operating System	1-4
CPU and Chipset	1-4
System Memory	1-4
Display	1-4
Audio	1-5
Graphics	1-5
Storage	1-5
Webcam	1-6
Wireless and Networking	1-6
Dimension and Weight	1-6
Power Adapter and Battery	1-6
Input and Control	1-7
Input and Output (I/O) Ports	1-7
Warranty	1-7
Privacy Control	1-7
Environment	1-7
Notebook Tour	1-8
TouchPad Basics	1-13
Using the Keyboard	1-14
System Block Diagram	1-16
Specification Tables	1-17
Computer specifications	1-17
System Board Major Chips	1-18
Processor	1-19
Processor Specifications	1-19
Thermal Table	1-20
System Memory	1-23
Keyboard	1-23
USB Port	1-23
USB Type-C Port	1-24
HDMI Port	1-24
Video Interface (N/A)	1-24
Battery	1-24
AC Adapter	1-25
Card Reader	1-26
Hard Disk Drive (N/A)	1-27
Solid State Drive	1-28
Embedded MultiMedia Card (eMMC)	1-28
LCD 13.5"	1-29
LCD Inverter (N/A)	1-29
Graphics Controller	1-30

Display Supported Resolution (LCD Supported Resolution)	1-30
LAN Interface (N/A)	1-30
Wireless + Bluetooth Module (a/b/g/n/ac)	1-30
Audio Interface.	1-31
Audio Codec and Amplifier	1-31
HD Camera	1-32
0.3M VGA Camera (N/A)	1-32
3G Card (N/A)	1-32
VRAM (N/A).	1-32
System Power Management	1-33
System LED Indicator	1-33
System DMA Specification (N/A)	1-33
System Interrupt Specification (N/A).	1-33
System I/O Address Map (N/A).	1-34
Memory Address Map (N/A)	1-34

CHAPTER 2

System Utilities

Introduction	2-3
Key Component Replacement and HWID Re-configuration	2-3
Creating RMA Shim Using “Chromebook Recovery Utility” in Windows	2-5
Install RMA Shim	2-10
Run RMA Shim Process.	2-20
Start the RMA Tests	2-21
Start the FFT Test	2-25

CHAPTER 3

Machine Maintenance Procedures

Introduction	3-4
General Information	3-4
Recommended Equipment	3-4
Pre-disassembly Instructions	3-5
Disassembly Process	3-6
Main Unit Disassembly Process	3-7
Main Unit Disassembly Flowchart	3-7
Base Cover Removal	3-8
Battery Pack Removal.	3-10
Heatsink Removal.	3-12

SSD Module Removal	3-14
Speaker Module Removal	3-16
Touchpad Module Removal	3-18
LCD Module Removal	3-21
Fan Removal	3-24
WLAN Antenna Removal	3-26
USB Board Removal	3-29
Mainboard Removal	3-32
Top Assembly Removal	3-36
LCD Module Disassembly Process	3-37
LCD Module Disassembly Flowchart	3-37
LCD Panel Removal	3-38
Camera Module Removal	3-41
eDP Cable Removal	3-43
G-Sensor Board Removal	3-48
LCD Hinges Removal	3-51
LCD Module Reassembly Process	3-53
Replacing the LCD Hinges	3-53
Replacing the G-Sensor Board	3-55
Replacing the eDP Cable	3-57
Replacing the Camera Module	3-61
Replacing the LCD Panel	3-63
Main Unit Reassembly Process	3-65
Replacing the Top Assembly	3-65
Replacing the Mainboard	3-66
Replacing the USB Board	3-69
Replacing the WLAN Antenna	3-71
Replacing the Fan	3-75
Replacing the LCD Module	3-77
Replacing the Touchpad Module	3-80
Replacing the Speaker Module	3-83
Replacing the SSD Module	3-84
Replacing the Heatsink	3-86
Replacing the Battery Pack	3-88
Replacing the Base Cover	3-90

CHAPTER 4

Troubleshooting

Introduction	4-3
General Information	4-3
Power On Issues	4-4
No Display Issues	4-5
LCD Picture Failure	4-7
Internal Keyboard Failure	4-8
Touch Pad Failure	4-9
Internal Speaker Failure	4-10
Audio Codec Failure	4-12
Other Functions Failure	4-13
Intermittent Problems	4-14
Undetermined Problems	4-14

CHAPTER 5

Jumper and Connector Locations

Mainboard Jumper and Connector Locations	5-3
---	------------

CHAPTER 6

FRU (Field Replaceable Unit) List

Exploded Diagrams	6-4
FRU List	6-8
Screw List	6-17

CHAPTER 7

Model Definition and Configuration

Chromebook CP713-2W	7-3
----------------------------------	------------

CHAPTER 8

Test Compatible Components

Chrome OS Environment Test	8-4
---	------------

CHAPTER 9
Online Support Information

Introduction9-3

CHAPTER 1

Hardware Specifications

Features	1-4
Operating System	1-4
CPU and Chipset	1-4
System Memory	1-4
Display	1-4
Audio	1-5
Graphics	1-5
Storage	1-5
Webcam	1-6
Wireless and Networking	1-6
Dimension and Weight	1-6
Power Adapter and Battery	1-6
Input and Control	1-7
Input and Output (I/O) Ports	1-7
Warranty	1-7
Privacy Control	1-7
Environment	1-7
Notebook Tour	1-8
TouchPad Basics	1-13
Using the Keyboard	1-14
System Block Diagram	1-16
Specification Tables	1-17
Computer specifications	1-17
System Board Major Chips	1-18
Processor	1-19
Processor Specifications	1-19
Thermal Table	1-20
System Memory	1-23
Keyboard	1-23
USB Port	1-23
USB Type-C Port	1-24
HDMI Port	1-24
Video Interface (N/A)	1-24
Battery	1-24
AC Adapter	1-25
Card Reader	1-26
Hard Disk Drive (N/A)	1-27
Solid State Drive	1-28
Embedded MultiMedia Card (eMMC)	1-28
LCD 13.5"	1-29
LCD Inverter (N/A)	1-29
Graphics Controller	1-30
Display Supported Resolution (LCD Supported Resolution)	1-30
LAN Interface (N/A)	1-30
Wireless + Bluetooth Module (a/b/g/n/ac)	1-30

Audio Interface	1-31
Audio Codec and Amplifier	1-31
HD Camera	1-32
0.3M VGA Camera (N/A)	1-32
3G Card (N/A)	1-32
VRAM (N/A).	1-32
System Power Management	1-33
System LED Indicator	1-33
System DMA Specification (N/A)	1-33
System Interrupt Specification (N/A).	1-33
System I/O Address Map (N/A).	1-34
Memory Address Map (N/A)	1-34

Hardware Specifications and Configurations

Features

Below is a summary of the computer's features:

Operating System

- Chrome OS
- Chrome OS with Chrome Enterprise Upgrade

CPU and Chipset

- Intel® Core™ i7-10610U processor (8 MB Smart Cache, 1.8 GHz with Turbo Boost up to 4.9 GHz, DDR4 or LPDDR3, Intel® vPro™ Platform Eligibility)
- Intel® Core™ i7-10510U processor (8 MB Smart Cache, 1.8 GHz with Turbo Boost up to 4.9 GHz, DDR4 or LPDDR3, 15 W)
- Intel® Core™ i5-10310U processor (6 MB Smart Cache, 1.7 GHz with Turbo Boost up to 4.4 GHz, DDR4 or LPDDR3, Intel® vPro™ Platform Eligibility)
- Intel® Core™ i5-10210U processor (6 MB Smart Cache, 1.6 GHz with Turbo Boost up to 4.2 GHz, DDR4 or LPDDR3, 15 W)
- Intel® Core™ i3-10110U processor (4 MB Smart Cache, 2.1 GHz with Turbo Boost up to 4.1 GHz, DDR4 or LPDDR3, 15 W)
- Intel® Pentium® Gold 6405U processor (2 MB Smart Cache, 2.4 GHz, DDR4 or LPDDR3)

System Memory

Single-channel DDR4 SDRAM supports:

- 4 GB of onboard DDR4 system memory

Dual-channel DDR4 SDRAM supports:

- 16 or 8 GB of onboard DDR4 system memory

Display

- 13.5" VertiView display with IPS (In-Plane Switching) technology, 2256 x 1504, high-brightness Acer CineCrystal™ LED-backlit TFT LCD, supporting multi-touch
- 3:2 aspect ratio
- Wide viewing angle up to 170 degrees
- Mercury-free, environment-friendly

Audio

- Two built-in stereo speakers
- Two built-in microphones

Graphics

- Intel® UHD Graphics, supporting OpenGL® 4.5, Microsoft® DirectX® 12

Storage

Solid state drive:

- 128 GB, PCIe Gen3, 8 Gb/s, NVMe
- 256 GB, PCIe Gen3, 8 Gb/s up to 4 lanes, NVMe
- 128 GB eMMC
- 64 GB eMMC

Memory card:

- Card reader: MicroSD / MicroSDHC / Micro SDXC card reader
- Specifications:

Type	Model	Test Result
Micro SD	Transcend Micro SD 2G + Transcend Adapter	Pass
	Silicon Power Micro SD 2G	Pass
	Ridata Micro SD 2G + RiDATA Adapter	Pass
Micro SDHC	Kingston 16G UHS-I Class10 U1 & Kingston Adapter	Pass
	ADATA Micro SDHC 32G C10	Pass
	Transcend Micro SDHC 4G C6 + Transcend Adapter	Pass
	SanDisk Ultra Micro SDHC 32G C10 I + Sandisk Adapter	Pass
	Toshiba EXCERIA 32GB UHS-I U3 & Toshiba Adapter	Pass
	SAMSUNG 32GB UHS-I Class10 EVO	Pass
Micro SDXC	Kingston Micro SDXC 64G C10 + Kingston Adapter	Pass
	SanDisk Micro SDXC Ultra 64GB Class4 15MB/s 100x	Pass
	ADATA Micro SDXC 64GB C10 30MB/s + ADATA Adapter	Pass
	Toshiba Micro SDXC 64G UHS-I C10 30MB/s	Pass
	Transcend Micro SDXC 64G C 10 UHS-I 300X + Transcend Adapter	Pass
	SAMSUNG 64GB UHS-I Class10 EVO	Pass

Webcam

HD camera with:

- 1280 x 720 resolution
- 720p HD audio/video recording
- Super high dynamic range imaging (SHDR)

Wireless and Networking

WLAN:

- Intel® Wireless Wi-Fi 6 AX201
- 802.11a/b/g/n/ac/ax wireless LAN
- Dual Band (2.4 GHz and 5 GHz)
- 2x2 MU-MIMO technology
- Supports Bluetooth® 5.0
- Wi-Fi CNVi Interface

WPAN:

- Bluetooth® 5.0

Dimension and Weight

Dimensions:

- 300.6 (W) x 235 (D) x 16.8 (H) mm (11.83 x 9.25 x 0.66 inches)

Weight:

- 1.37 kg (3.02 lbs.) with 3-cell battery pack

Power Adapter and Battery

Power adapter

- USB Type-C 45 W Google PD AC adapter
 - 95 (W) x 40 (D) x 26.5 (H) mm (3.74x 1.57 x 1.04 inches)
 - 5 V / 3 A or 9 V / 3 A or 12 V / 3 A or or 15V / 3 A or 20 V / 2.25 A as output power
 - 200 g with 150 cm DC cable

Battery

- 48 Wh 3-cell Li-ion battery
- Battery life up to 10 hours

Input and Control

Keyboard

- 74-/75-/78-key Acer FineTip Backlit keyboard with international language support

TouchPad

- Fully clickable touchpad featuring click-anywhere functionality: One-finger touch to left-click, two-finger touch to right-click, and two-finger scrolling
- Moisture resistant

Control Keys

- Power button
- Volume up, volume down

Input and Output (I/O) Ports

- Two USB Type-C™ ports. This port supports:
 - USB 3.2 Gen 1 (up to 5 Gbps)
 - DisplayPort over USB-C
 - USB charging 5 V; 3 A
 - DC-in port 5 or 9 or 15 or 20 V; 45 W
- USB 3.0 port
- HDMI® port
- microSD™ card reader
- 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone

Warranty

- One-year International Travelers Warranty (ITW)

Privacy Control

- Discrete H1 Trusted Platform Module (TPM) solution for Chromebook
- Accelerometer (G-sensor)

Environment

- Temperature:
 - Operating: 0°C to 40°C
 - Non-operating: -20°C to 60°C
- Humidity (non-condensing):
 - Operating: 80% (at 40°C)
 - Non-operating: 20% to 90%

Notebook Tour



Figure 1-1. Opened Front View

Table 1-1. Opened Front View

#	Icon	Item	Description
1		Camera Status LED	Indicates the camera activity (Green).
2		Integrated webcam	Web camera for video communication.
3		Microphone	Internal microphone for sound recording.
4		Display screen	Also called Liquid-Crystal Display (LCD), displays computer output (configuration may vary by model), and supports multi-touch functionality (for touchscreen model only).
5		Keyboard	For entering data into your computer.
6		TouchPad	Touch-sensitive pointing device which functions like a computer mouse.

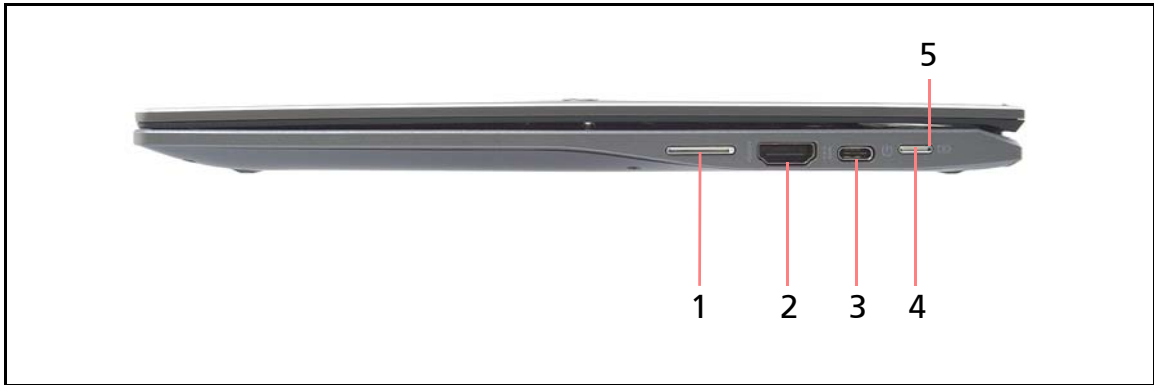






Figure 1-2. Right View

Table 1-2. Right View

#	Icon	Item	Description
1		Volume button	Adjusts the sound volume.
2		HDMI port	Supports high-definition digital video connections.
3		USB Type-C™ port	<ul style="list-style-type: none"> • Connects a USB Type-C™ AC adapter to supply power to the system (5/9/12/15/20 V; 45 W). • Connects to USB devices with a USB Type-C connector. • Supports: <ul style="list-style-type: none"> ■ USB 3.2 Gen 1 (up to 5 Gbps) ■ DisplayPort over USB-C ■ USB charging 5 V; 3 A <p>⇒ NOTE: USB Type-C™ port can only be used with products compliant with the USB Type-C™ cable and connector.</p>
4		Power button	Turns the computer on and off.
5		Battery indicator	<p>Indicates the computer's battery status.</p> <ul style="list-style-type: none"> • Blue On: Fully charged • Orange On: Battery charging • Blinking Amber (1 sec on/ 1 sec off): Abnormal situation.

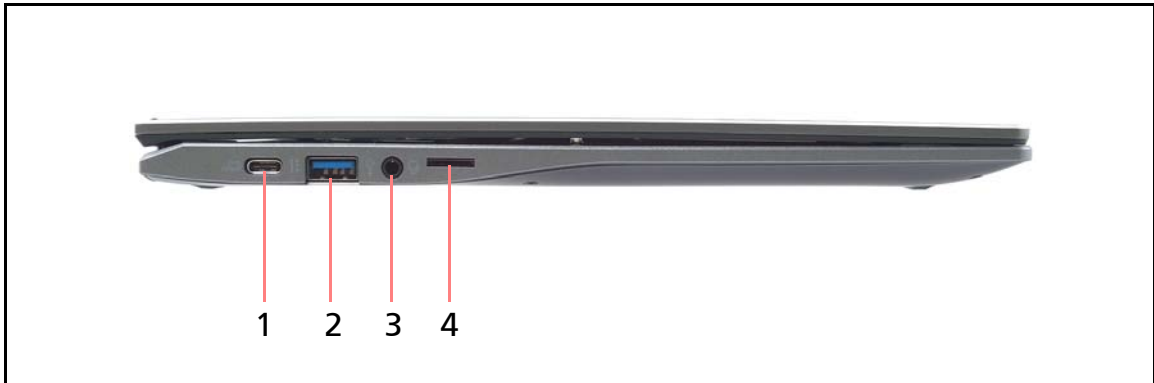






Figure 1-3. Left View

Table 1-3. Left View

#	Icon	Item	Description
1		USB Type-C™ port	<ul style="list-style-type: none"> • Connects a USB Type-C™ AC adapter to supply power to the system (5/9/12/15/20 V; 45 W). • Connects to USB devices with a USB Type-C connector. • Supports: <ul style="list-style-type: none"> ■ USB 3.2 Gen 1 (up to 5 Gbps) ■ DisplayPort over USB-C ■ USB charging 5 V; 3 A <p>⇒ NOTE: USB Type-C™ port can only be used with products compliant with the USB Type-C™ cable and connector.</p>
2		USB 3.0 port	Connects to USB 2.0 or 3.0 devices (e.g., USB mouse, USB camera).
3		Headphone/ Microphone jack	Connects to audio line-out devices and accepts input from external microphone (3.5 mm Standard TRRS / OMTP TRRS Type).
4		MicroSD card reader	<p>Accepts microSD cards.</p> <p>⇒ NOTE: Push to remove/install the card. Only one card can operate at any given time.</p>

⇒ **NOTE:**

When plugging a microphone or combined headset into the audio combo jack, make sure the required connector type is correct or the microphone will not work.

Audio Connector Plug Configurations

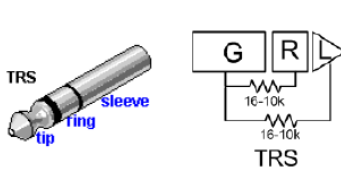
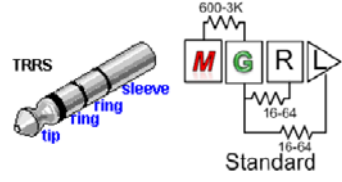
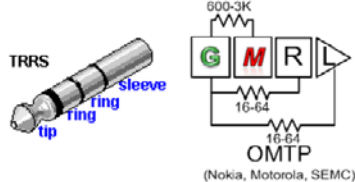
TRS Type (Headphone only)	Standard TRRS Type (Headphone/Mic Combo)	OMTP TRRS Type (Headphone/Mic Combo)
		
Support audio/headphone output only	Support audio/headphone output and microphone input	Support audio/headphone output only

Figure 1-4. Audio Connector Plug Configurations



Figure 1-5. Top View



Figure 1-6. Base View

Table 1-4. Base View

#	Icon	Item	Description
1		Speakers	Emits audio from your computer.

TouchPad Basics

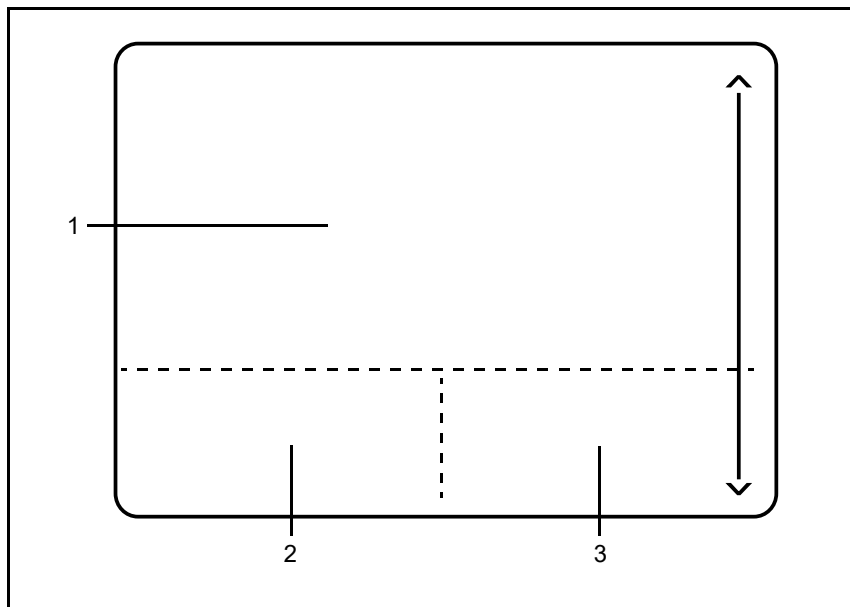


Figure 1-7. TouchPad

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

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

⇒ NOTE:

When using the TouchPad, keep it - and 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 computer has a close-to-full-sized keyboard and an embedded numeric keypad, separate cursor, and special keys.




Hot Keys

The computer has a close-to-full-sized keyboard and separate cursor, function and special keys.



Figure 1-8. Keyboard Hotkeys

Hot key (icon)	Function	Description
←	Previous	Jumps to the previous page.
→	Next	Jumps to the next page.
↻	Reload	Reloads the current page.
⏏	Full-screen	Opens the page in full-screen mode.
☰	Next window	Shows all windows in Overview mode.
⚙️	Brightness down	Decreases the screen brightness.
⚙️	Brightness up	Increases the screen brightness.
🔇	Mute	Turns off audio output.
🔊	Volume down	Decreases the sound volume.

Hot key (icon)	Function	Description
	Volume up	Increases the sound volume.
	Lock	Locks the currently logged in user. To access your account, you need to provide a password.
	Search	Launches search from the apps panel.

System Block Diagram

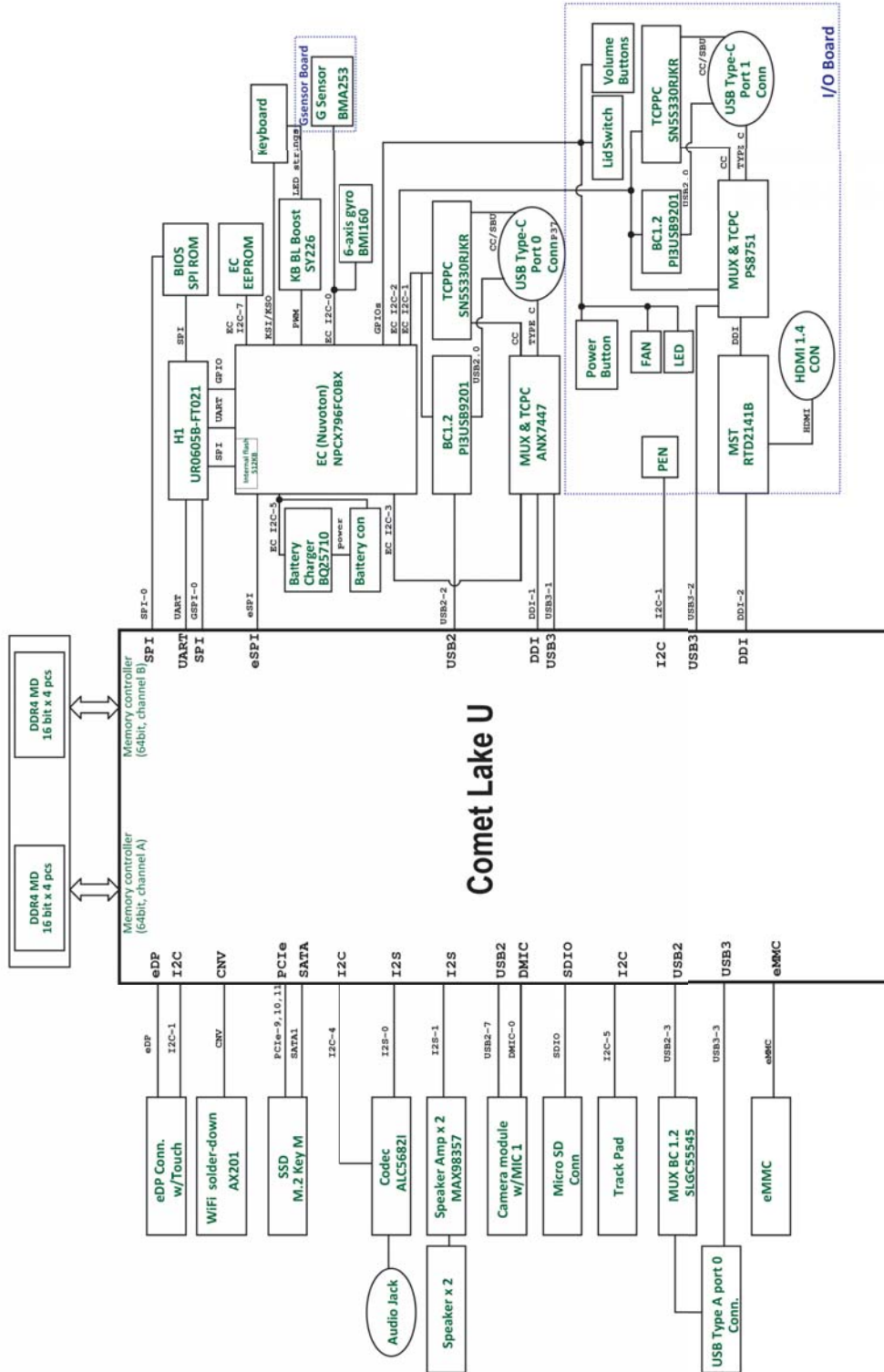


Figure 1-9. System Block Diagram

Specification Tables

Computer specifications

Item	Metric	Imperial
Dimensions		
Length	300.6 mm	11.83 in.
Width	235 mm	9.25 in.
Height	16.8 mm	0.66 in.
Weight (equipped with battery pack)	1.37 kg	3.02 lbs
Input power		
Operating voltage	5 / 9 / 12 / 15 / 20 V	
Operating current	3 A (5 V) / 3 A (9 V) / 3 A (12 V) / 3 A (15 V) / 2.25 A (20 V)	
Temperature		
Operating	0°C to 40°C	32°F to 104°F
Nonoperating	-20°C to 60°C	-4°F to 140°F
Relative humidity		
Operating	80% (at 40°C)	
Nonoperating	20% to 90%	
Maximum altitude (unpressurized)		
Operating	N/A	N/A
Nonoperating	N/A	N/A
Shock		
Operating	140 G, 2 ms	
Nonoperating	220 G, 2 ms	
Random vibration		
Operating	0.6 G-rms	
Nonoperating	1.5 G-rms	
⇒ NOTE: Applicable product safety standards specify thermal limits for plastic surfaces. The computer operates well within this range of temperatures.		

System Board Major Chips

Item	Specification
Core logic	<ul style="list-style-type: none"> • Intel® Core™ i7-10610U • Intel® Core™ i7-10510U • Intel® Core™ i5-10310U • Intel® Core™ i5-10210U • Intel® Core™ i3-10110U • Intel® Pentium® Gold 6405U
VGA	Intel® UHD Graphics
LAN	N/A
USB	Integrated in PCH <ul style="list-style-type: none"> • USB Type-C™ 3.2 port x2 • USB 3.0 port x1
Super I/O controller	Embedded controller Microchip Technology NPCX796FC0BX
Bluetooth	Bluetooth® 5
Wireless	Intel® Wi-Fi 6 AX201 (Harrison Peak 2)
PCMCIA	N/A
Audio codec	Realtek
Audio amplifier	Maxim Integrated™ MAX98357AEWL+T
Card reader	Embedded in CPU (Integrated)
Touch controller	USI interface
GPS	N/A
eMMC	Embedded in CPU (Integrated), eMMC 5.1 controller
eSata	N/A
Sensor	G sensor

Processor

Item	Specification
CPU type	Intel® Comet Lake
CPU package	FCBGA1528
Core Logic	N/A
Chipset	<ul style="list-style-type: none"> • Intel® Core™ i7-10610U • Intel® Core™ i7-10510U • Intel® Core™ i5-10310U • Intel® Core™ i5-10210U • Intel® Core™ i3-10110U • Intel® Pentium® Gold 6405U

Processor Specifications

Item	CPU Speed (GHz)	Cores/Threads	Graphics Frequency (MHz)	Mfg Tech (nm)	Cache Size	Package	TDP (Watt)
i7-10610U	1.8 up to 4.9	4 / 8	300 up to 1.15 GHz	14	8MB	FCBGA1528	15
i7-10510U	1.8 up to 4.9	4 / 8	300 up to 1.15 GHz	14	8MB	FCBGA1528	15
i5-10310U	1.7 up to 4.4	4 / 8	0.3 up to 1.15 GHz	14	6MB	FCBGA1528	15
i5-10210U	1.6 up to 4.2	4 / 8	300 up to 1.10 GHz	14	6MB	FCBGA1528	15
i3-10110U	2.1 up to 4.1	2 / 4	300 up to 1 GHz	14	4MB	FCBGA1528	15
Pentium Gold 6405U	2.4	2 / 4	300 up to 950	14	2MB	FCBGA1528	15

Thermal Table

Specific Info

Participant	Description				Passive Policy		
		ACPI Device	CRT	HOT	WRM	PSV	NTT
B0D4	CPU Device	INT3401	100	X	X	90	5
TSR0	close Charger	INT3401	85	X	X	73	5
TSR1	Close CPU	INT3401	85	X	X	57	5
TSR2	close WIFI	INT3401	85	X	X	68	5

_ART

Partici part	Source Objective ID	Hyste risis	AC0	AC1	AC2	AC3	AC4	AC5	AC6	AC7	AC8	AC9
B0D4	TFN1	0	95	X	X	X	X	X	X	X	X	X
TSR1	TFN1	2	70	65	59	53	47	44	41	X	X	X
TSR2	TFN1	2	64	X	X	X	X	X	X	X	X	X
TFN1(Duty)			100	85	75	65	55	45	35	X	X	X
Corresponding RPM			6500	5200	4900	4200	3800	3400	2800	X	X	X

PPCC Object Settings

Processor SKU	Max. PL1 (mW)	Min. PL1 (mW)	PL1 Step (mW)	Max. PL2 (mW)	Min. PL2 (mW)	PL2 Step (mW)
i3/i5/i7	15000	12000	100	51000	15000	1000

Thermal Relationship Table

Source	Target	Influence	Sample Rate (s)
B0D4	B0D4	100	5
Charger	TSR0	100	6
B0D4	TSR1	100	6
B0D4	TSR2	100	6

```
/* Charger performance states, board-specific values from charger and EC */
```

```
    Name (CHPS, Package () {
```

```
        Package () { 0, 0, 0, 0, 255, 0x6a4, "mA", 0 },/* 1.7A (MAX) */
```

```
        Package () { 0, 0, 0, 0, 24, 0x600, "mA", 0 },/* 1.5A */
```

```
        Package () { 0, 0, 0, 0, 16, 0x400, "mA", 0 },/* 1.0A */
```

```
        Package () { 0, 0, 0, 0, 8, 0x200, "mA", 0 },/* 0.5A */
```

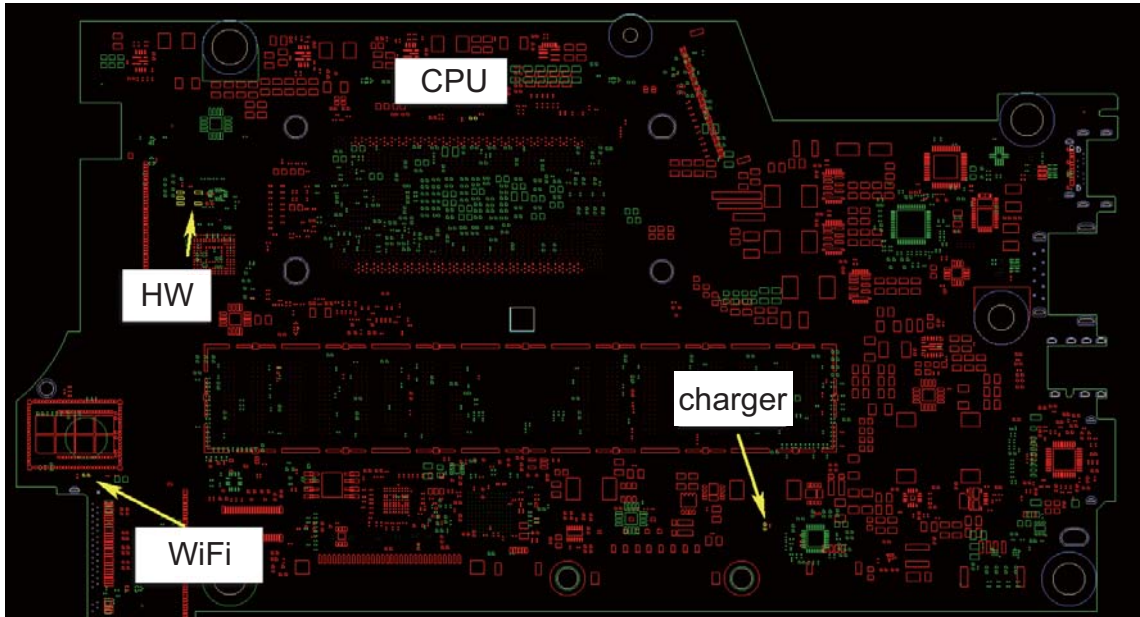


Figure 1-10. DPTF-Setting

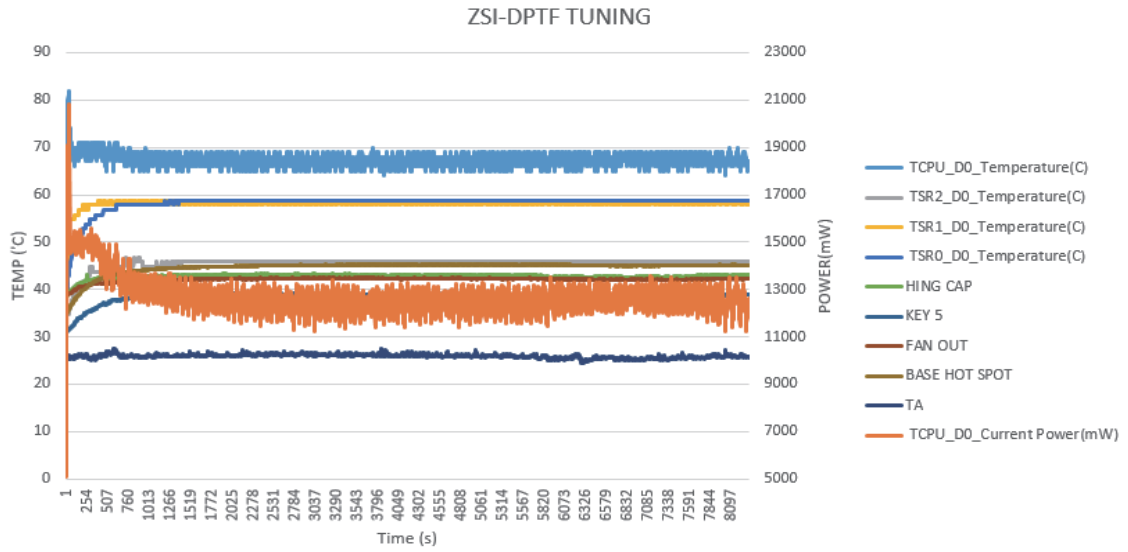


Figure 1-11. ZSI-DPTF TUNING

System Memory

Item	Specification
Memory controller	Built-in at CPU
Memory size	16 GB of onboard (dual channel) DDR4 system memory
Model	N/A
Supports maximum memory size	16 GB
Supports DIMM type	N/A
Supports DIMM speed	N/A
Support DIMM voltage	N/A

Keyboard

Item	Specification
Type	CHICONY AL01G_C19EWL
Total number of keypads	74-/75-/78-key Acer FineTip Backlit keyboard with international language support
Simultaneous Operation of Internal & External Keyboard	Yes
Features	<ul style="list-style-type: none">• Flat-type style keys• Direction keys arranged in an inverted-T configuration• Supports function-row keys in Chrome browser

USB Port

Item	Specification
USB compliance level	USB 3.0 compliant
EHCI	2
Number of USB port(s)	1
Location	Left side
Output Current	3.0A

USB Type-C Port

Item	Specification
USB compliance level	USB 3.2 Gen 1 compliant (speed up to 5 Gbps)
Output Current of Power Bus	5V / 3.0 A max.
Power-off USB Charging Mode	Not supported
DisplayPort Version	DisplayPort 1.2
Thunderbolt Version	Not supported
Power Delivery for Charging	45 W (5/9/15/20V) Type-C USB power adapter
Number of USB port(s)	2
Location	Left side x1, Right side x1

HDMI Port

Item	Specification
Compliance level	HDMI 1.4b port with HDCP support
Data throughput	Up to 16.7 million colors
Number of HDMI port(s)	1
Location	Right side

Video Interface (N/A)

Item	Specification
Chipset	
Package	
Interface	
Compatibility	
Sampling rate	

Battery

Item	Specification	
Vendor & Model	MURATA AP18C4K	LGC AP18C8K
Battery Type	Rechargeable lithium-ion battery pack	
Pack capacity	<ul style="list-style-type: none">4200 mAh (nominal)3880 mAh (minimum)	<ul style="list-style-type: none">4471 mAh (nominal)4343 mAh (minimum)
Number of battery cell	3	
Package configuration	3S1P	

AC Adapter

Item	Specification	
Vendor & Model	DELTA ADP-45HG BA	LITE-ON PA-1450-50AD
Normal Input voltage	100-240 Vac, 50-60 Hz (The adapter should operate from 90-264 Vac with an input frequency from 47-63 Hz.)	115-230 Vac, 50-60 Hz (The adapter should operate from 90-264 Vac with an input frequency from 47-63 Hz.)
Input current	1.5 Amps max. at 100 Vac	1.3 Amps max. at 90 Vac
Inrush current	No damage; Meet fuse and bridge diode specifications.	<ul style="list-style-type: none"> ● Should not damage fuse and rectifier diode. ● The inrush current and I^2t shall be less than maximum rated value of components.
Efficiency	<ul style="list-style-type: none"> ● More than 81.84% of average efficiency load tested at 5V output voltage condition. ● More than 87.30% of average efficiency load tested at 9V output voltage condition. ● More than 88.30% of average efficiency load tested at 12V output voltage condition. ● More than 88.85% of average efficiency load tested at 15V&20V output voltage condition. 	<ul style="list-style-type: none"> ● No Load Power Loss at nominal input, Ta=25°C and 5minutes warm up. ● More than 81.83% of average efficiency load tested at 5V output voltage condition. ● More than 87.3% of average efficiency load tested at 9V output voltage condition. ● More than 88.3% of average efficiency load tested at 12V output voltage condition. ● More than 88.85% of average efficiency load tested at 15V&20V output voltage condition.

Item	Specification
Vendor & Model	Chicony A045RP05P
Normal Input voltage	100-240 Vac, 50-60 Hz (The adapter should operate from 90-264 Vac with an input frequency from 47-63 Hz.)
Input current	Shall be less than 1.2 Amps at normal operation range
Inrush current	<ul style="list-style-type: none"> • Should not damage fuse and rectifier diode. • The peak inrush current and I^2t shall be less than 85% of their maximum rated value of components@ maximum input voltage, Ta=25°C.
Efficiency	<ul style="list-style-type: none"> • No Load Power Loss at nominal input, Ta=25°C and 30 minutes warm up. • More than 81.39% of average efficiency load tested at 5V output voltage condition. • More than 86.62% of average efficiency load tested at 9V output voltage condition. • More than 87.4% of average efficiency load tested at 12V output voltage condition. • More than 87.73% of average efficiency load tested at 15V&20V output voltage condition.

Card Reader

Item	Specification
Chipset	MicroSD Card
Package	Built-in to the CPU
Location	Left side
Features	Supported card formats: <ul style="list-style-type: none"> • Micro SD • Micro SDHC • Micro SDXC

Hard Disk Drive (N/A)

Item	Specification
Vendor & Model Name	
Capacity (GB)	
Bytes per sector	
Data heads	
Drive Format	
Disks	
Spindle speed (RPM)	
Performance Specifications	
Buffer size	
Interface	
Fast data transfer rate (Gbits / sec, max)	
Media data transfer rate (Mbytes/sec max)	
DC Power Requirements	
Voltage tolerance	

Solid State Drive

Item	Specification	
Vendor & Model Name	SanDisk SDAPNUW-128G-1014	HYNIX HFM128GDJTNG-8310A
Capacity (GB)	128	
Performance Specifications		
Interface	PCIe Gen3 x2	
Fast data transfer rate (Gbits / sec, max)	800 MB/s	395 MB/s
DC Power Requirements		
Voltage tolerance	3.3V (+/- 5%)	

Item	Specification	
Vendor & Model Name	SanDisk SDBPNPZ-256G-1014	HYNIX HFM256GDJTNI-82A0A
Capacity (GB)	256	
Performance Specifications		
Interface	PCIe Gen3 x4	
Fast data transfer rate (Gbits / sec, max)	1950MB/s	1000 MB/s
DC Power Requirements		
Voltage tolerance	3.3V (+/- 5%)	

Embedded MultiMedia Card (eMMC)

Item	Specification	
Vendor & Model Name	SanDisk SDINBDA4-128-1220W	SanDisk SDINBDA4-64-1220W
Capacity (GB)	128	64
Features	<ul style="list-style-type: none"> • iNAND 7550, with MMC interface • Offered in three TFBGA packages of eMMC™ 5.1 • Up to 256GB of data storage • Data transfer rate: up to 400MB/s rate (HS400 mode) 	

LCD 13.5"

Item	Specification	
Vendor & Model name	GENERAL INTERFACE NE135FBM-N41/NC135GFL01	GENERAL INTERFACE NE135FBM-N41/NC135GFL03
Screen Diagonal (mm)	342.9mm	
Active Area (mm)	284.933 (H) x 189.955 (V)	
Display resolution (pixels)	2256 (H) x 1504 (V)	
Pixel Pitch (mm)	0.1263 (H) x 0.1263 (V)	
Typical White Luminance (cd/m ²) also called Brightness	415 (typ.) 350 (min.)	
Contrast Ratio	1500 (typ.)	
Response Time (Optical Rise Time/Fall Time) msec	30 (typ.)	
Typical Power Consumption (Watt)	3.5 (max.)	
Weight (Without inverter)	290g (max.)	
Physical Size (mm)	296.93 (L) x 222.65 (W) x 2.85 (T)	
Electrical Interface	eDP 1.4	
Viewing Angle (degree) Horizontal (Right) CR > 10 (Left) Vertical (Upper) CR > 10 (Lower)	85 (typ.)	

LCD Inverter (N/A)

Item	Specification
Vendor & Model name	
Brightness conditions	
Input voltage (v)	
Input current (mA)	
Output voltage (V, RMS)	
Output current (mA, RMS)	
Output voltage frequency (KHz)	

Graphics Controller

Item	Specification
VGA Chip	Intel® UHD Graphics
Package	Built-in to the CPU
Feature	Supports: <ul style="list-style-type: none">• OpenGL® 4.5• OpenCL™ 2.1• Microsoft® DirectX® 12

Display Supported Resolution (LCD Supported Resolution)

Resolution	Specification
eDP	Version 1.4

LAN Interface (N/A)

Item	Specification
LAN chipset	
LAN connector type	
LAN connector location	
Features	

Wireless + Bluetooth Module (a/b/g/n/ac)

Item	Specifications
Vendor & Model	Intel® Wi-Fi 6 AX201 (Harrison Peak 2)
Chipset	Intel® Core™ vPro™ processor
Form factor	<ul style="list-style-type: none">• M.2 2230• M.2 1216
Frequency band	2.4 GHz & 5 GHz (160MHz)
Protocols and data rates supported	<ul style="list-style-type: none">• Wi-Fi CERTIFIED™ for 802.11a/b/g/n/ac/ax, WPA/2 Personal and Enterprise, WPS2, PMF, WMM, WMM-PS, WFD, Miracast, Passpoint R2, Voice Personal• Bluetooth 5.0
Antenna	Yes. Both AUX and MAIN are routed in the LCD assembly.
Feature	<ul style="list-style-type: none">• BT & WLAN co-existence scheme• MIMO TX/RX and Rx/Rx Concurrency• Full support for Microsoft Windows 10, Linux, and Chrome OS

Audio Interface

Item	Specification
Audio Controller	Dialog Semiconductor ALC5682I-VD-CGT
Audio onboard or optional	On board
Mono or Stereo	Mono microphone to ADC path, and stereo DAC to HP path
Compatibility	2-wire I ² C compatible interface with support for High Speed mode up to 3.4 MHz
Sampling rate	8K~192KHz
Internal microphone	Yes. 1 digital microphone
Internal speaker	Yes. 2 channel stereo speakers with 2W per channel output.

Audio Codec and Amplifier

Item	Specification
Audio Controller	Maxim Integrated™ MAX98357AEWL+T
Features	<p>The MAX98357AEWL+T are digital pulse-code modulation (PCM) input Class D power amplifiers that provide Class AB audio performance with Class D efficiency. These ICs offer five selectable gain settings (3dB, 6dB, 9dB, 12dB, and 15dB) in I²S/left-justified mode set by a single gain select input and a fixed 12dB gain in TDM mode.</p> <ul style="list-style-type: none"> • Single-Supply Operation (2.5V to 5.5V) • 3.2W output power into 4 ohms at 5V • 2.4mA Quiescent current • 92% efficiency (RL = 8 ohms, P_{OUT} = 1W) • Low 0.015% THD+N at 1 kHz • No MCLK required • Sample rates of 8 kHz to 96 kHz • Supports left, right or (left/2 + right/2) output • Sophisticated edge rate control enables filterless class D outputs • 77dB PSRR at 1 kHz • Low RF susceptibility rejects TDMA noise from GSM radios • Extensive Click-and-Pop reduction circuitry • Robust Short-Circuit and Thermal Protection • Available in space-saving packages: 1.345 mm x 1.345 mm WLP (0.4 mm Pitch) and 3 mm x 3 mm TQFN

HD Camera

Item	Specification	
Vendor	Chicony CNFJH7921004970LH	Tech-Front 1YHTZZZ0000
Model Name	CNFJH79	YHTV-2
Sensor Type	1/9" CMOS sensor	1/9" HD CMOS (OV9734) sensor
Pixel Resolution	1280 x 720 (1M)	1280 x 720 (1M)
Feature	<ul style="list-style-type: none">• Automatic image control: Automatic Exposure Control, Automatic White Balance Control, and Automatic Gain Control.• Image Quality Control: Color saturation, Hue, Gamma, Sharpness, Brightness, Contrast, and Backlight Compensation.	<ul style="list-style-type: none">• Automatic image control: Automatic Exposure Control, Automatic White Balance Control, and Automatic Gain Control.• Image Quality Control: Brightness, Contrast, Hue, Saturation, Sharpness, Gamma, and Backlight Compensation

0.3M VGA Camera (N/A)

Item	Specification
Vendor	
Model	
Sensor Type	
Feature	

3G Card (N/A)

Item	Specification
Vendor	
Features	

VRAM (N/A)

Item	Specification
Vendor & Model name	
Memory size	
Interface	

System Power Management

Item	Specification
Full On (G0/S0)	This is the normal operating state of the processor. Individual devices may be shut down to save power. The different CPU operating levels are defined by Cx states.
Suspend to RAM (Standby) (G1/S0ix)	S0ix is a suspend state in which the core power planes of the processor are turned off and the suspend wells remain powered. <ul style="list-style-type: none"> • VGA Suspend • Audio Power Down • Hard Disk Power Down • Super I/O Low Power mode
Soft Off (G2/S5)	OS initiated shutdown. All devices in the system are turned off completely. A full boot is required when waking.
Mechanical Off (G3)	All devices in the system are turned off completely.

System LED Indicator

Item	Specification
System power state	<ul style="list-style-type: none"> • System has no Power State LED
Battery state	<ul style="list-style-type: none"> • Fully charged: Blue • Battery charging: Orange • Battery low: N/A • Battery critical low: N/A • Abnormal situation: Blinking mode Amber (1 sec. on, 1 sec. off) • Using battery or not connected to AC power: Blue
Power button backlight	<ul style="list-style-type: none"> • Power button has no LED
ODD activity state	<ul style="list-style-type: none"> • ODD has no LED
Communication state	<ul style="list-style-type: none"> • Wi-Fi has no LED • Bluetooth has no LED

System DMA Specification (N/A)

Legacy Mode	Power Management

System Interrupt Specification (N/A)

Hardware IRQ	System Function

System I/O Address Map (N/A)

I/O address (hex)	System Function (shipping configuration)

Memory Address Map (N/A)

Memory address (hex)	System Function (shipping configuration)

CHAPTER 2

System Utilities

Introduction	2-3
Key Component Replacement and HWID Re-configuration . . .	2-3
Creating RMA Shim Using “Chromebook Recovery Utility” in Windows	2-5
Install RMA Shim	2-10
Run RMA Shim Process	2-20
Start the RMA Tests	2-21
Start the FFT Test	2-25

System Utilities

Introduction

This chapter contains information on how to re-configure the Acer Chromebook CP713-2W HWID as well as test procedures for your notebook's various components.

Key Component Replacement and HWID Re-configuration

When certain key components are replaced, the correct hardware ID (HWID) must be re-configured.

- Battery
- Motherboard
- Touchpad
- Keyboard
- Camera
- WLAN
- LCD panel

To re-configure the HWID you must prepare the following items:

- A 8 GB or larger USB 2.0 flash drive (USB 3.0 flash drive is not recommended).
- The *RMA.bin* file that is needed to re-configure the HWID after replacing a key component.
- The Chrome Recovery Utility is the tool used to write the image to the USB flash drive.

<https://chrome.google.com/webstore/detail/chromebook-recovery-utility/jndclpbaa-mdhonoechobihbbiimdgai>

The HWID re-configuration procedure is outlined in the following flow chart:

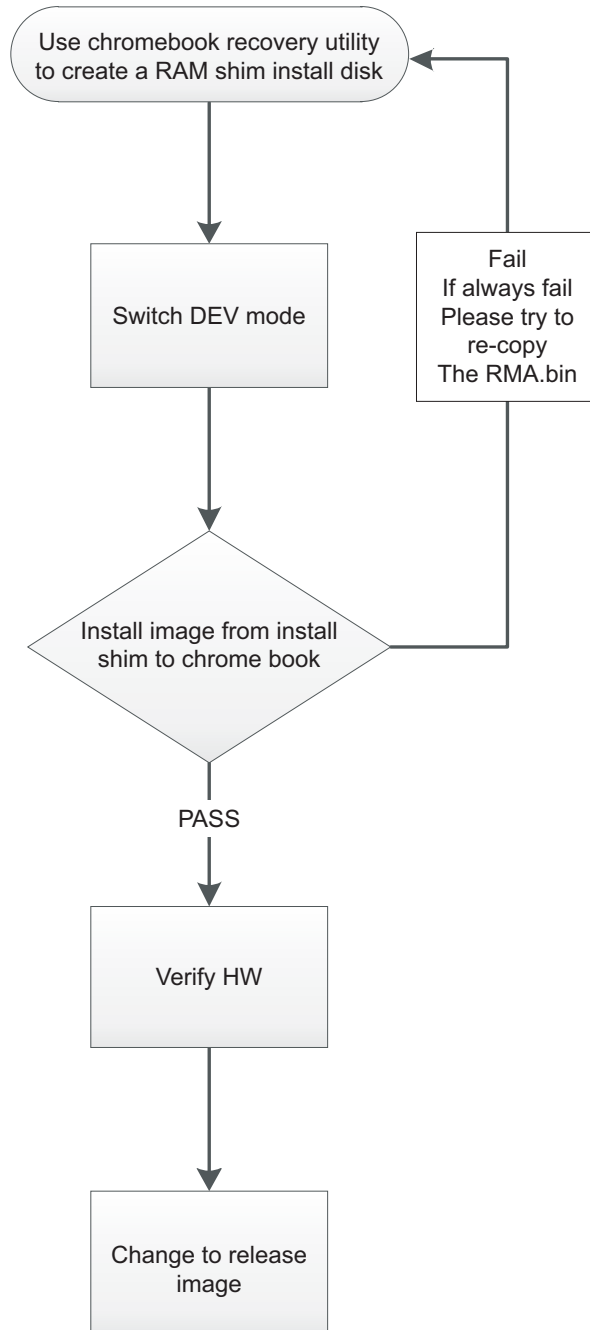


Figure 2-1. HWID Re-Configuration Flow Chart

Creating RMA Shim Using “Chromebook Recovery Utility” in Windows

1. In another notebook or PC running Windows, copy *Liverpool_KLED_ZSI_RMA_SHIM_R81_20200602_CRC32_1B50C161.bin* in a folder.
2. Insert a USB flash drive or SD card (must be at least 8 GB of storage) into the notebook or PC running Windows.



Figure 2-2. USB Disk

3. Double-click “Chromebook recovery Utility” to open the program.



Figure 2-3. Chromebook Recovery Utility Shortcut Icon

4. Select Use local image.

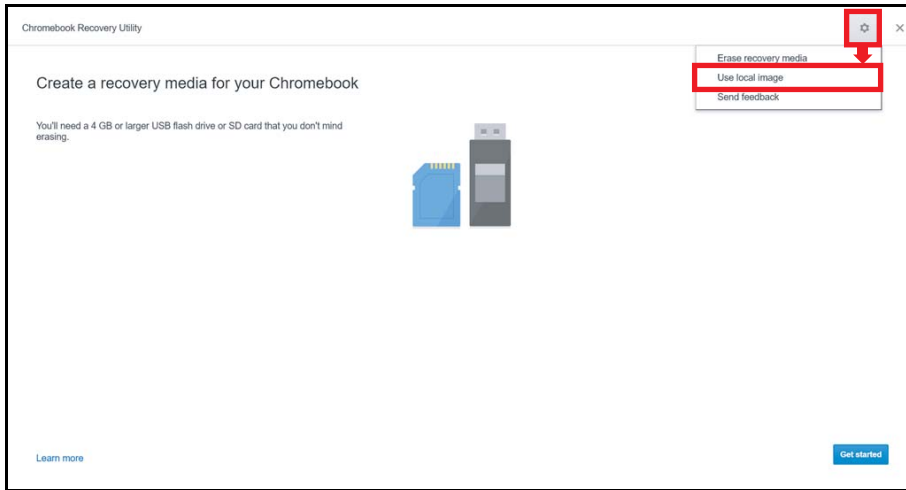


Figure 2-4. Select Local Image

5. Browse the file and select the *Liverpool_KLED_ZSI_RMA_SHIM_R81_20200602_CRC32_1B50C161.bin* image file. Then Click Open.

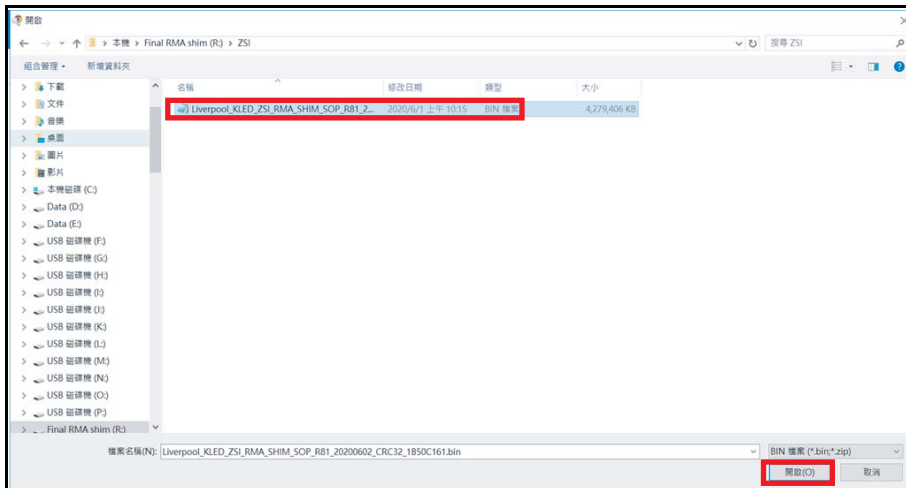


Figure 2-5. Access Image File

6. Select the media you'd like to use, and then click Continue.



Figure 2-6. Select Media Device

7. Click Create Now.

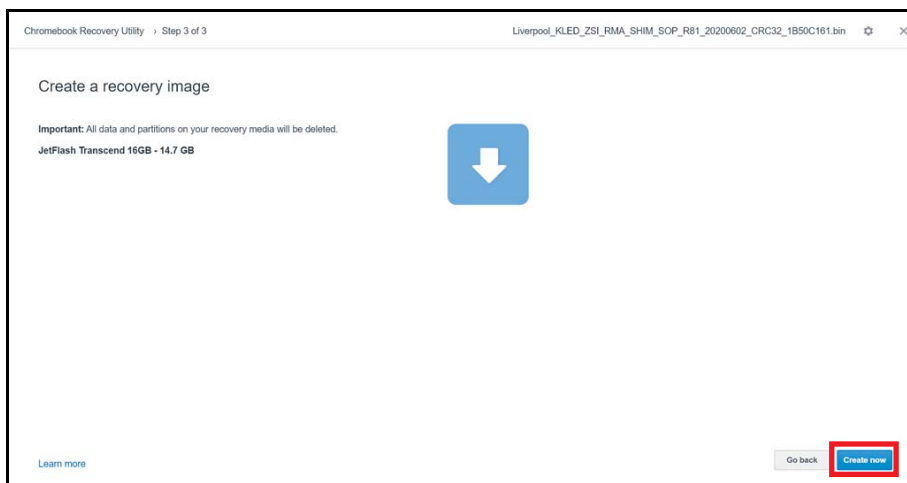


Figure 2-7. Creating Recovery Image Initialization (1 of 2)

8. Click **Yes** to allow the Chromebook Recovery Utility program to start creating RMA shim disk.

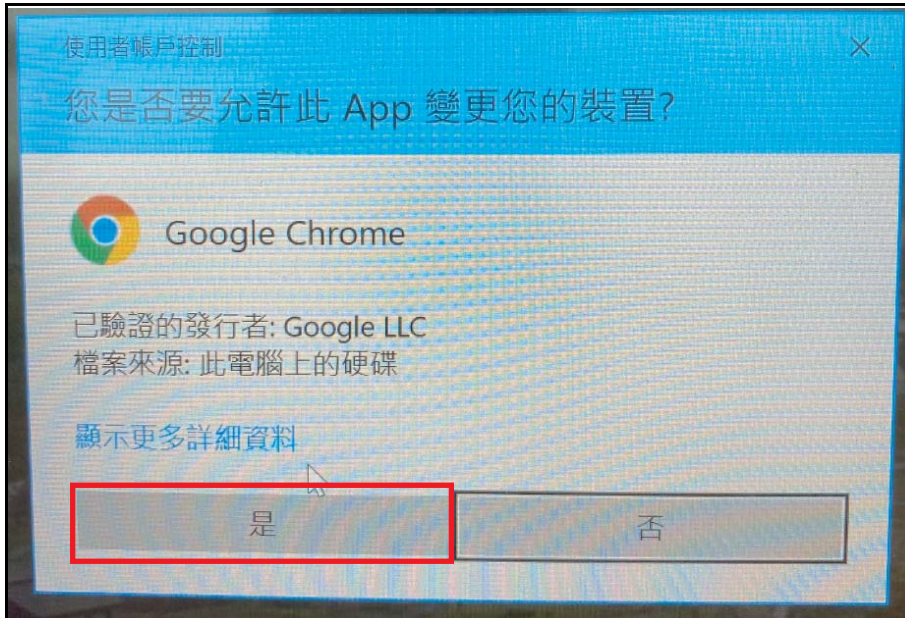


Figure 2-8. Creating Recovery Image Initialization (2 of 2)

9. The RMA shim disk creation process begins.

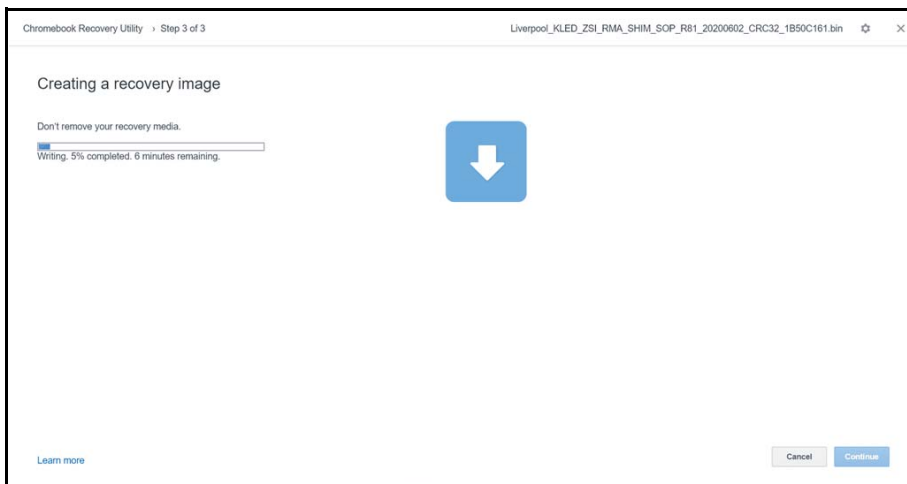


Figure 2-9. Writing in Progress

10. Once the program has successfully written the image, the system shows **Success! Your recovery media is ready** message. Click **Done**, and then remove the USB drive from the notebook or PC running Windows.

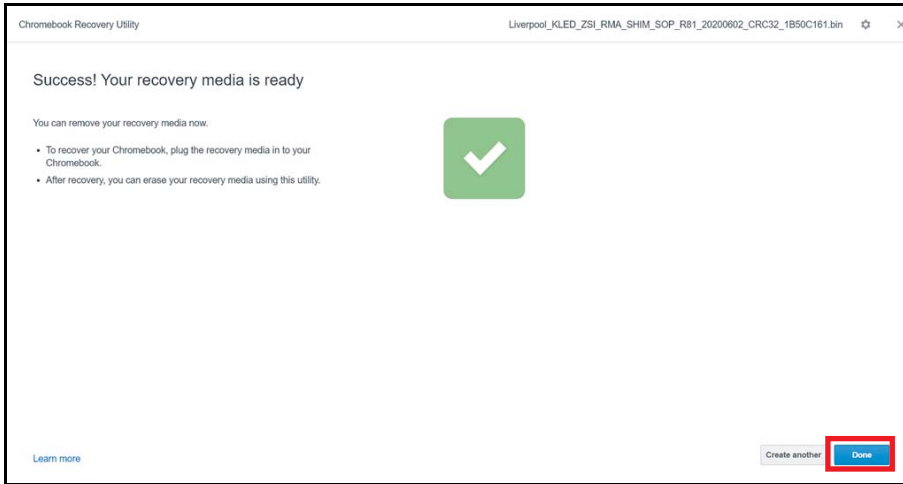


Figure 2-10. Write Successful

Install RMA Shim

1. Place the system on a stable work surface.
2. Remove the power adapter and all cables from the system.
3. Remove nine (9) screws from the base cover ([Figure 2-11](#)).



Figure 2-11. Base Cover Removal

4. Carefully pry up the base cover starting from the bottom side to release the latches. Then continue releasing the remaining latches on the left, right, and upper sides ([Figure 2-12](#)).



Figure 2-12. Base Cover Removal

5. Grasp and remove the base cover from the system (Figure 2-13).



Figure 2-13. Base Cover Removal

6. Detach the tape and transparent mylar securing the battery cable and keyboard FPC (Figure 2-14).

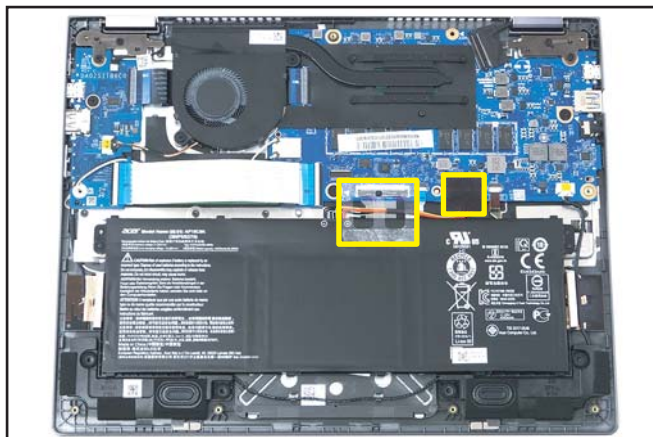


Figure 2-14. Tape and Mylar Removal

7. Disconnect the battery cable from the mainboard connector (Figure 2-15).



Figure 2-15. Battery Cable Disconnection

8. Carefully place the base cover onto the top assembly. Make sure that the edges of the base cover are aligned properly to those of the top assembly (Figure 2-16).



Figure 2-16. Replacing the Base Cover

9. Plug in the AC adapter and open the lid to turn on the system. Then press **Esc + Power + F3 (Refresh)** keys to enter the recovery mode.
10. When the system displays Please insert a recovery USB stick or SD card message on the screen, press **Ctrl+ D** keys (Figure 2-17).



Figure 2-17. Insert a Recovery USB Stick or SD Card Message

11. Press **Enter** to turn operating system verification off and clear local data. The system will then automatically reboot. (Figure 2-18).



Figure 2-18. OP System Verification Off Screen

- Once the system restarts, a message will appear notifying you that OS verification is off (Figure 2-19). Then press **Esc + Power + F3 (Refresh)** keys to enter the recovery mode.

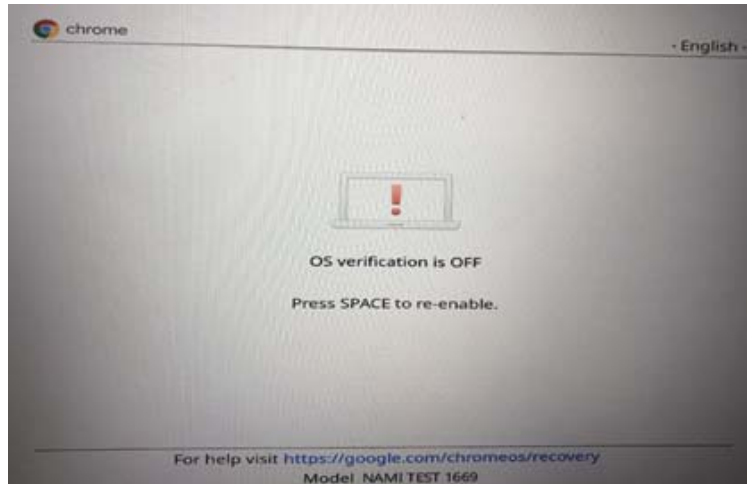


Figure 2-19. OS Verification Off Screen

- When the system displays Please insert a recovery USB stick or SD card message on the screen, plug in the USB disk with RMA Shim (Figure 2-20).



Figure 2-20. Insert a Recovery USB Stick or SD Card Screen

If below message appears on the screen as shown in [Figure 2-23](#), this indicates the device does not have Chrome OS. If this occurs, do the following:

- a. Enter VT2 by pressing **Ctrl + Alt + F2**.
- b. Log in as root with password test0000 if required.
- c. Run the following command: `enable_dev_usb_boot`.
- d. Insert the USB memory stick, reboot and press **Ctrl-U** at the dev mode warning screen to start install RMA shim. You can also enter VT2 and install the RMA shim.

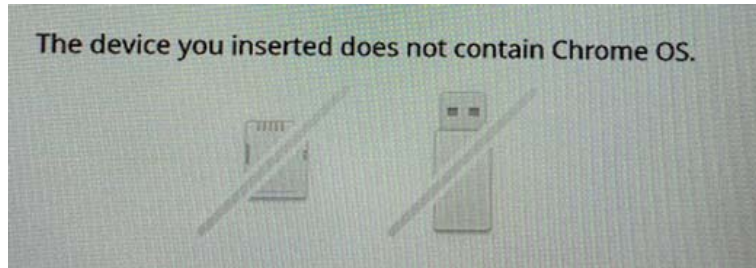


Figure 2-21. Error Message

14. After the USB disk is inserted, the system starts installing RMA shim.



Figure 2-22. Installation Process

15. The system will display the RAM shim installation process as shown in Figure 2-23.

```

8687616      8988608      3      UUID: 1DBEC150-C521-0F42-922A-B4031088703C
      Attr: priority=15 tries=15 successful=0
      Label: "ROOT-A"
      Type: ChromeOS roots
65685      65536      4      UUID: 694C1A86-1741-5D43-8D43-925484ACF47E
      Label: "KERN-B"
      Type: ChromeOS kernel
299808      8388608      5      UUID: 77888C58-EF6E-8C44-8393-5F298E6EADF1
      Attr: priority=0 tries=15 successful=0
      Label: "ROOT-B"
      Type: ChromeOS roots
65      1      6      UUID: D865A416-367A-664D-8873-2FF69F59FC22
      Label: "KERN-C"
      Type: ChromeOS kernel
66      1      7      UUID: 66868C55-6781-5146-861A-62C1E0E88808
      Attr: priority=0 tries=15 successful=0
      Label: "ROOT-C"
      Type: ChromeOS roots
135168      32768      8      UUID: 71E235CF-72F1-A64C-9A67-E72114597C2B
      Label: "OEM"
      Type: Linux data
67      1      9      UUID: 8E2A44DD-C5A3-E747-8A3D-D4D93D697D7D
      Label: "reserved"
      Type: ChromeOS reserved
68      1      10     UUID: C64C89FA-6EDC-5A47-8386-11B238891324
      Label: "reserved"
      Type: ChromeOS reserved
64      1      11     UUID: A76680A8-744C-C64B-8397-3D3D2135823E
      Label: "RMPW"
      Type: ChromeOS firmware
167936      131872      12     UUID: 881E8337-FRER-7942-83DA-8E349FBF3DE6
      Label: "EFI-SYSTEM"
      Type: EFI System Partition
      UUID: ABDFAEE6-C8D5-5546-8698-1428FF3FF98D
      Attr: legacy_boot=1
      Sec GPT table
      Sec GPT header
122142687      32
122142719      1
Reloading partition table changes...
Done preparing disk
INFO: Getting JSON config from file:///tmp/tmp.JC3s6Cizq/cros_payloads/hatch.json
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 3378 100 3378 0 0 3298k 0 ---:--:--:-- 3298k
INFO: Installing from test_image.part1 to /dev/mmcblk1p1...
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
36 613M 36 224M 0 0 24.6M 0 0:00:24 0:00:09 0:00:15 27.8M

```

Figure 2-23. Installation Process

16. Press **Enter** to restart.



Figure 2-24. System Restart

17. Unplug the USB RMA drive and AC adapter from the machine during the restart.
18. Remove the base cover. Refer to Step 3~5.
19. Connect the battery cable to the mainboard connector ([Figure 2-25](#)).

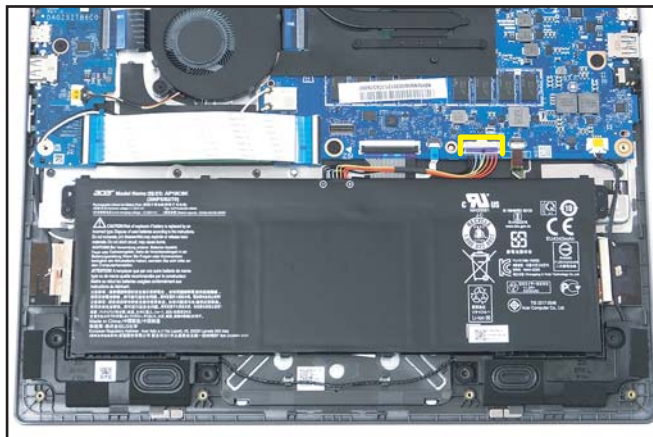


Figure 2-25. Battery Cable Connection

20. Attach the tape and transparent mylar to secure the battery cable and keyboard FPC in place (Figure 2-26).

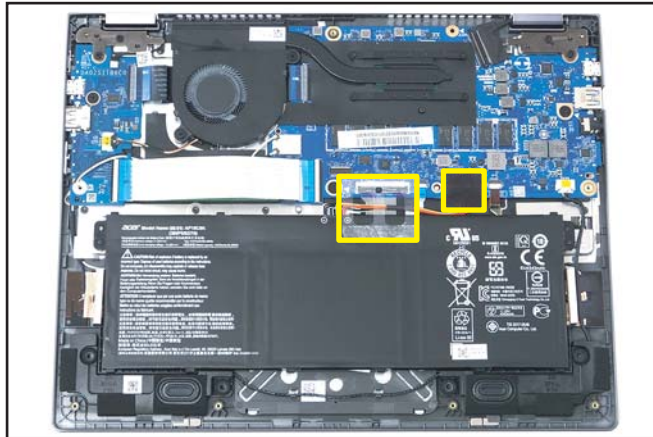


Figure 2-26. Tape and Mylar Attachment

21. Carefully place the base cover onto the top assembly. Make sure that the edges of the base cover are aligned properly to those of the top assembly (Figure 2-27).



Figure 2-27. Replacing the Base Cover

22. Press downward on the system to engage the tabs. Make sure all the tabs are fully engaged (Figure 2-28).



Figure 2-28. Replacing the Base Cover

23. Install nine (9) screws to secure the base cover in place (Figure 2-29).



Figure 2-29. Replacing the Base Cover

Run RMA Shim Process

1. Plug in the AC adapter and open the lid to turn on the system.
2. The system will restart automatically when RMA image installation is completed and automatically boot to Factory Test mode. The restart will take about 30-60 seconds.



Figure 2-30. Factory Test Mode (1 of 2)

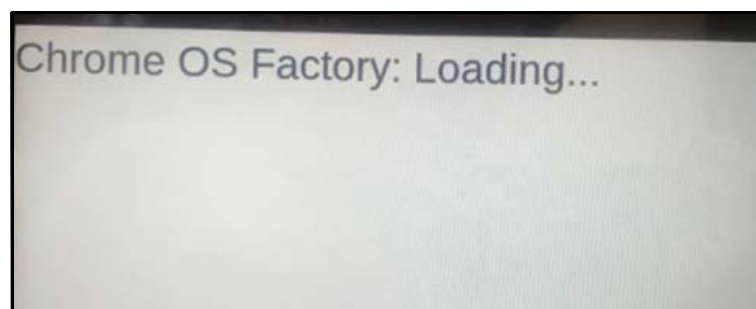


Figure 2-31. Factory Test Mode (2 of 2)

Start the RMA Tests

1. Verify the model name and SKU. Then press **Enter** to continue.

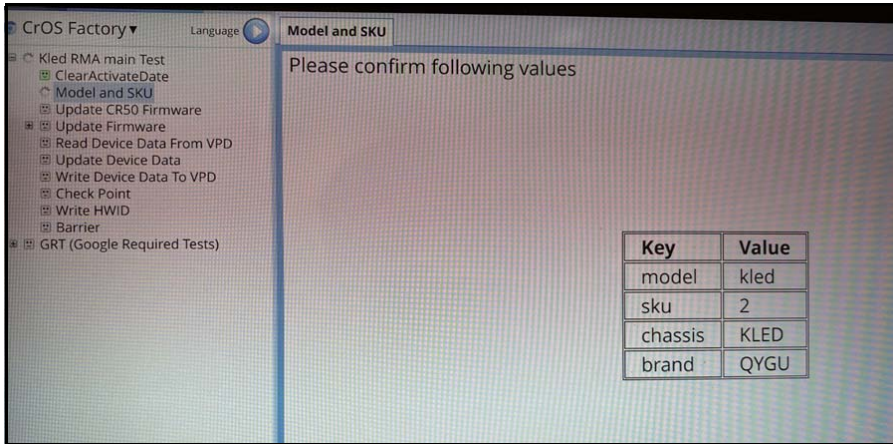


Figure 2-32. Model and SKU Screen

2. Update the firmware. This procedure will take about 30-60 seconds.

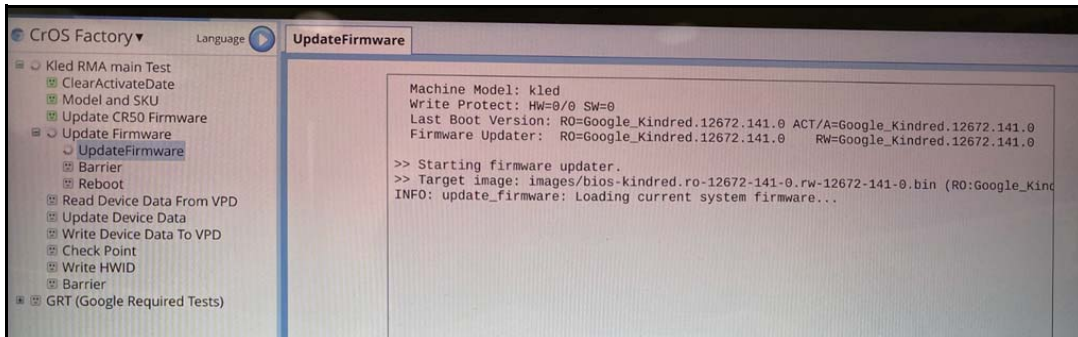


Figure 2-33. Firmware Update Screen

3. Update device data.

- a) Enter the serial number to Enter Device Serial Number (serials.serial_number): field.

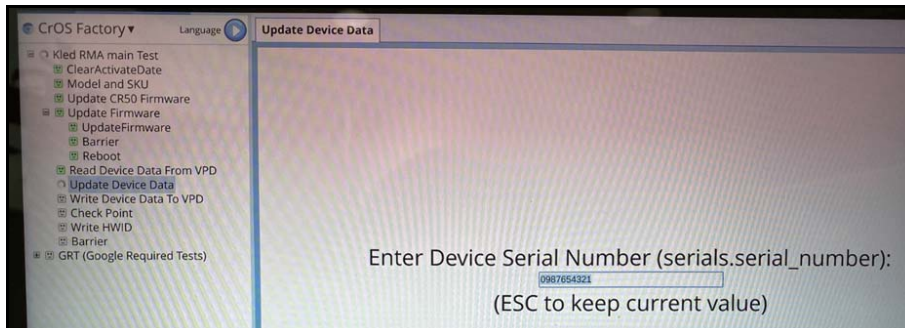


Figure 2-34. Enter Device Serial Number

- b) Select the region.

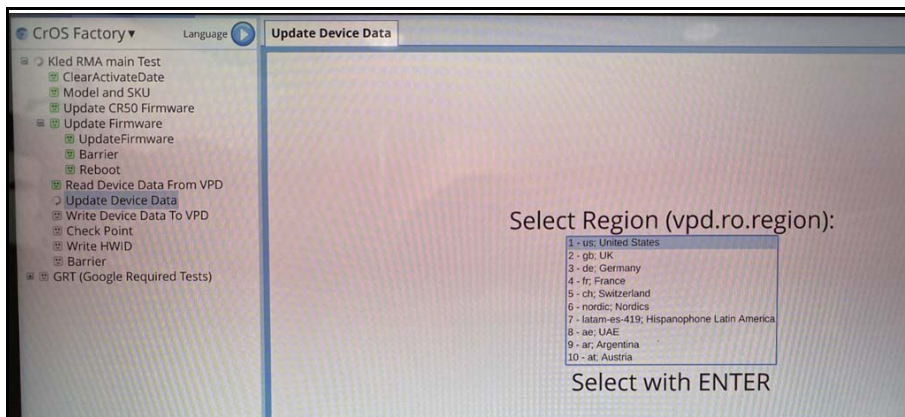


Figure 2-35. Select the Region

- The test continues with `write_hwid` procedure, and then enter GRT (Google Required Tests).

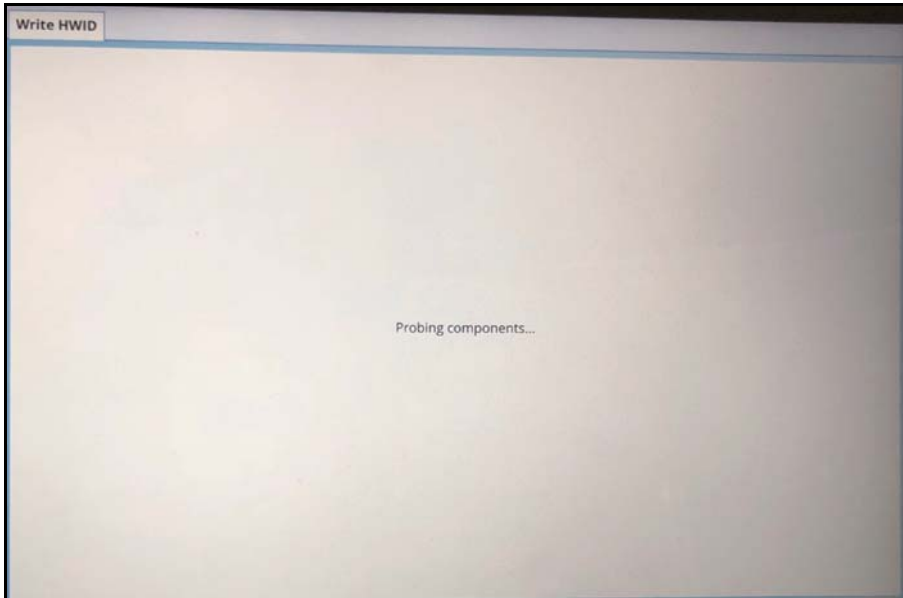


Figure 2-36. Prepare for GRT

- The system starts running the Finalize procedure. Wait until finalizing is completed.

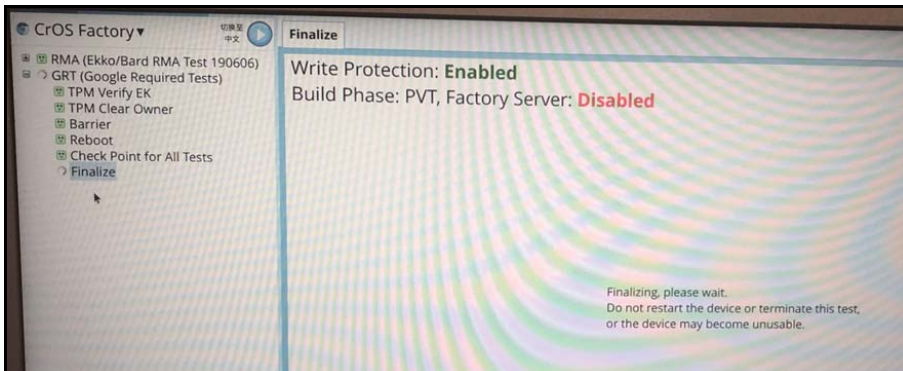


Figure 2-37. Finalizing Process

⇒ NOTE:

Do NOT restart the system or terminate the test manually during the finalize procedure.

a) Unplug the AC adapter.



Figure 2-38. Unplug the AC Adapter

b) The system begins to wipe image. Wait until the procedure is completed.



Figure 2-39. Factory Wiping Screen

c) The system turns off and enters the Shipping mode.

Start the FFT Test

Prior running the RMA Shim, you need to switch the device to FFT mode.

1. Press **Ctrl + Alt + O** simultaneously to enter CrOS mode.

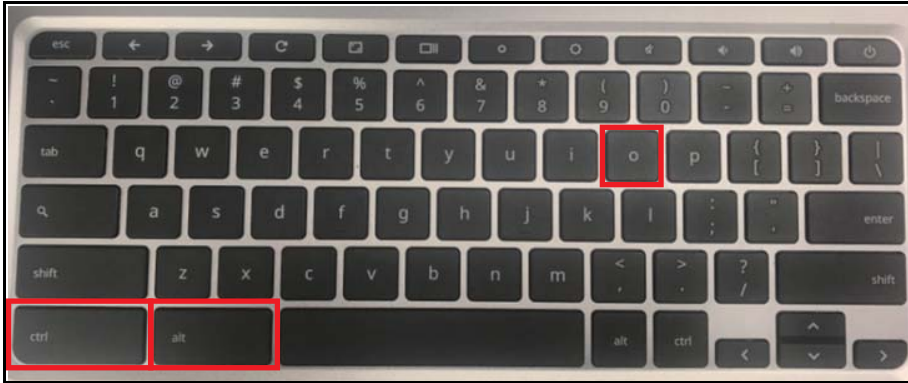


Figure 2-40. Ctrl + Alt + O Key Location

2. Enter **cr0s** in the Password field and click OK to begin the test.

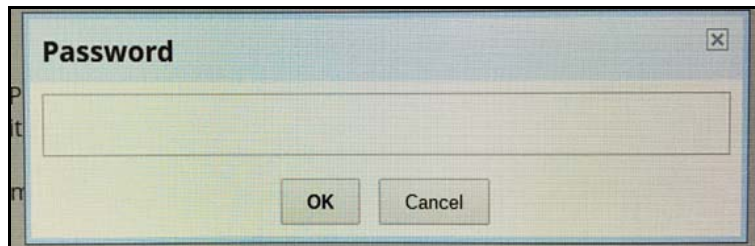


Figure 2-41. FFT Test

3. Select CrOS Factory > Switch test list > Kled RMA FFT Test-List.

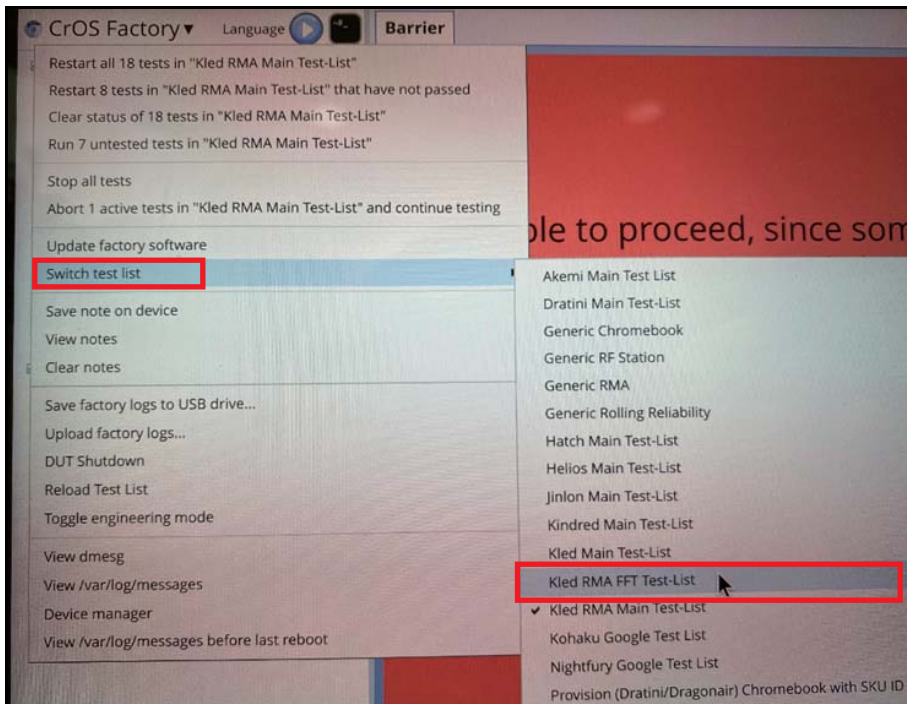


Figure 2-42. Start Kled RMA FFT Test

4. Confirm your decision in the pop-up window. The Kled RMA FFT test will start.

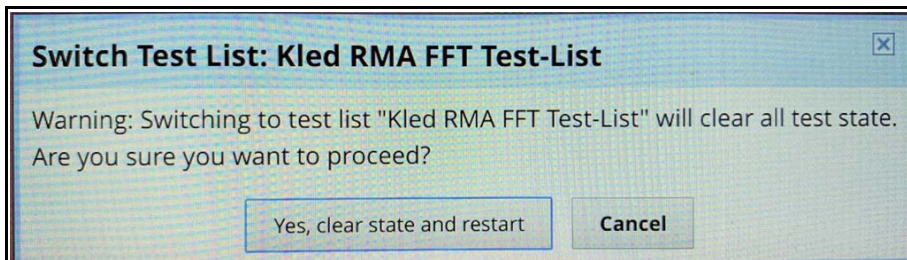


Figure 2-43. Confirmation Window

Conventions

Model and SKU

Verify the model name and SKU. Then press **Enter** to pass.

Key	Value
model	kled
sku	2
chassis	KLED
brand	QYGU

Figure 2-44. Model and SKU Test

WiFi Test

Turn on the WiFi device. Then the test will start automatically.

Bluetooth Test

1. Place the Bluetooth device near the system.
2. Turn on the Bluetooth device.
3. Enable Bluetooth on the device.
4. Press **Enter**.

Enable the connection ability of bluetooth device and press Enter

Figure 2-45. Bluetooth Test

DisplayPoint

1. Press *Space* to test the display point and start the points check.

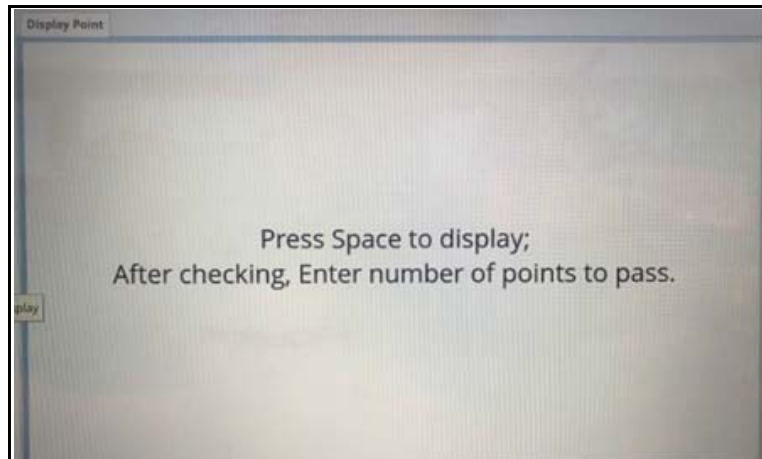


Figure 2-46. Display Point Test

2. Check if there is any point shown. Press *Space*.

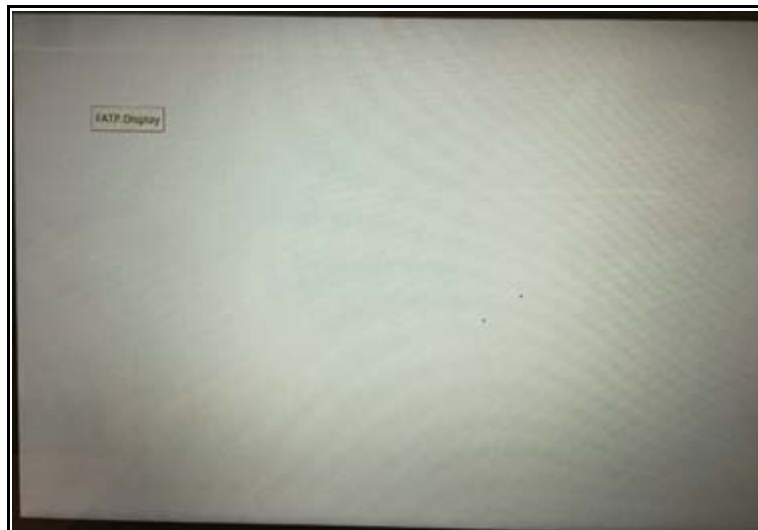


Figure 2-47. Display Point Test

3. Enter the number of points found.

4. Check the points quantity on the screen. Press *Space*.



Figure 2-48. Display Point Test

5. Enter the number of points found.

Display Test

1. Press *Space* to test the color listed in the display test.

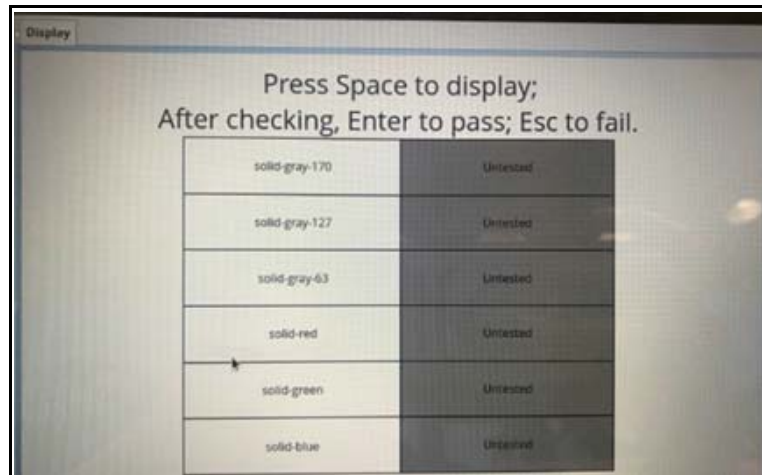


Figure 2-49. Display Test

2. If the color displayed on the screen matches the color listed in the display test, press *Enter*.

⇒ **NOTE:**

If the color displayed on the screen does not match with the description, press *Esc*.

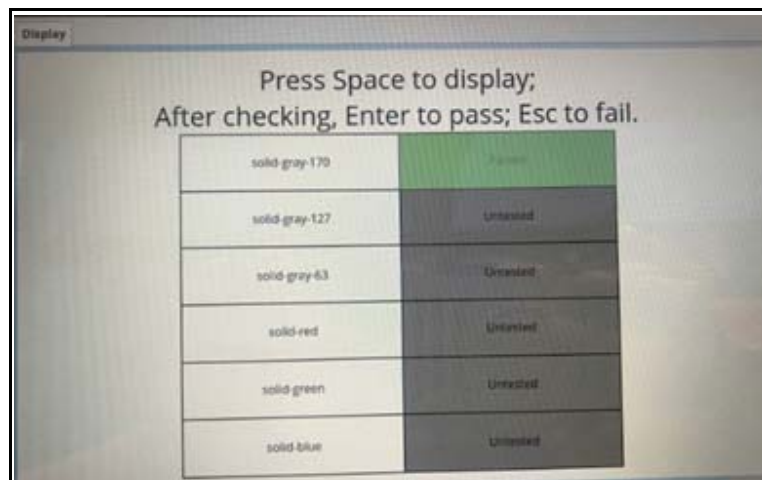


Figure 2-50. Display Test

3. Repeat this process for each color listed in the display test.

LED Test

1. Press the *number* key according to the LED color.

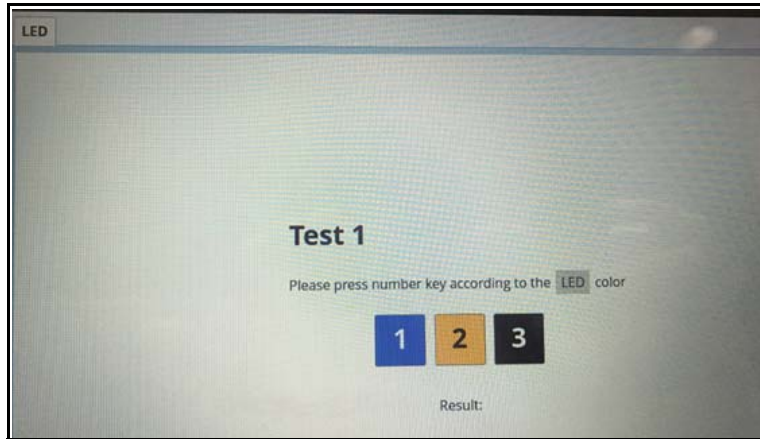


Figure 2-51. LED Test



Figure 2-52. Battery LED Location

2. Repeat step 1 until the test is completed.

Backlight Test

1. Press **Space** to change the backlight brightness. Then press **Esc** to reset the backlight brightness to its default setting.
2. After checking, enter H if pressing **Space** changes the backlight to be brighter. Otherwise, enter L if pressing **Space** changes the backlight to be dimmer.

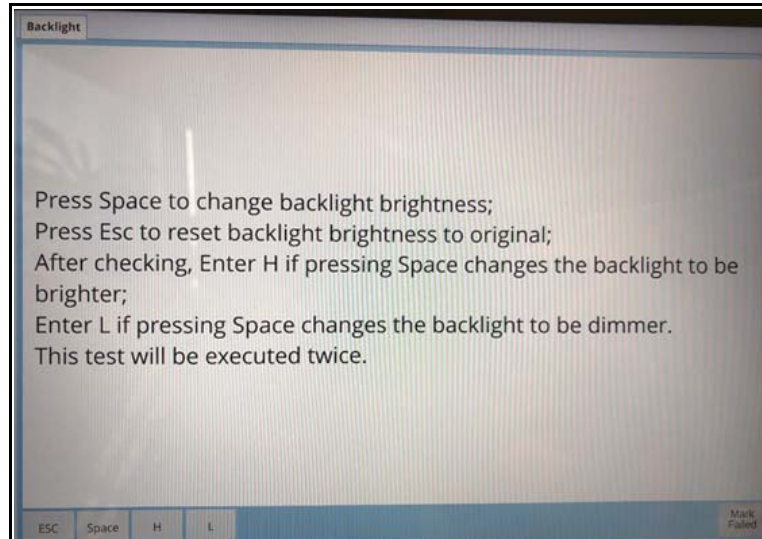


Figure 2-53. Backlight Test

3. Repeat step 1 and 2 twice.

Camera Test

Press **Enter** to pass if the image from the integrated webcam appears on screen, or press **Esc** to fail.

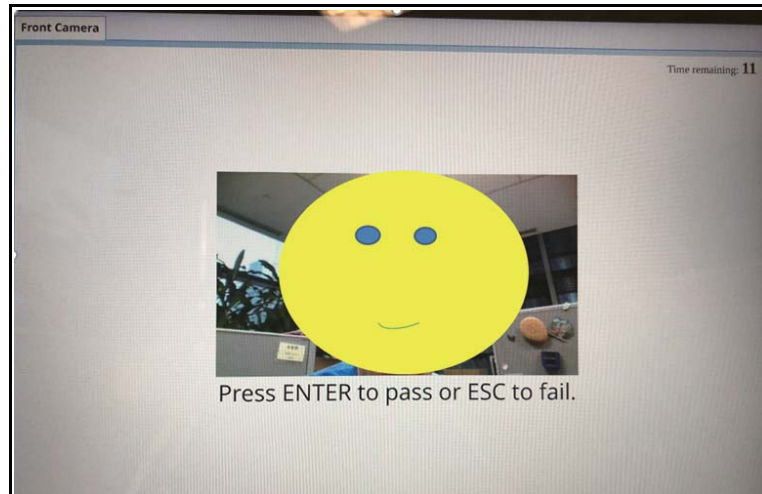


Figure 2-54. Camera Test

SD Performance Test

1. Insert an SD card to the card reader.

⚠ CAUTION:

Any data in the inserted SD card reader will cleared during the card reader test. Please ensure that you either use an empty SD card or backup all the data located in the drive before you proceed with the card reader test.



Figure 2-55. Insert SD Card

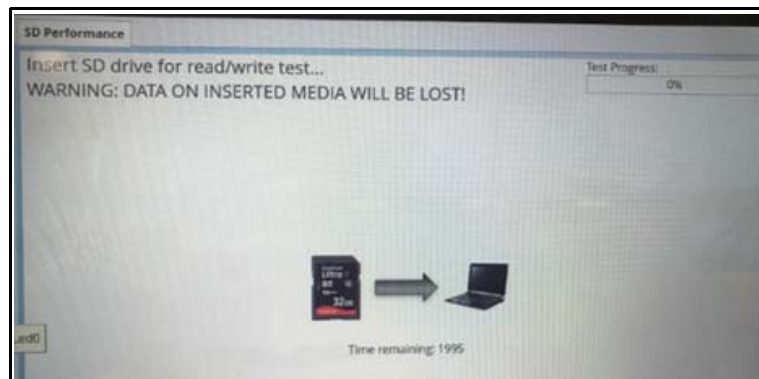


Figure 2-56. SD Performance Test

2. Remove the SD card when you see the message instructing you to do so.



Figure 2-57. SD Performance Test

Hardware Button Test

1. Press the **Volume Down** button.

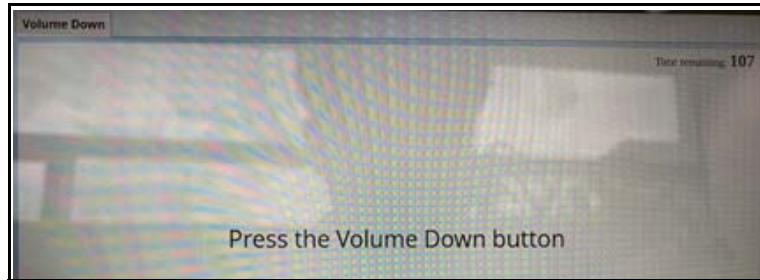


Figure 2-58. Volume Down Button Test

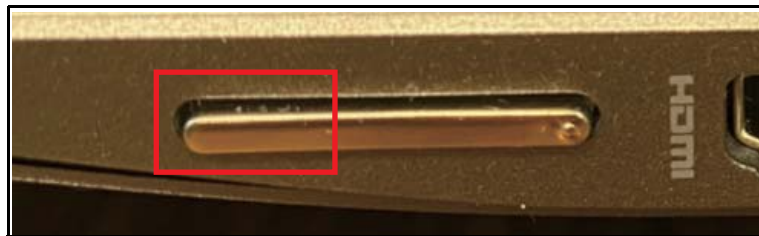


Figure 2-59. Volume Down Button Test

2. Press the **Volume Up** button.

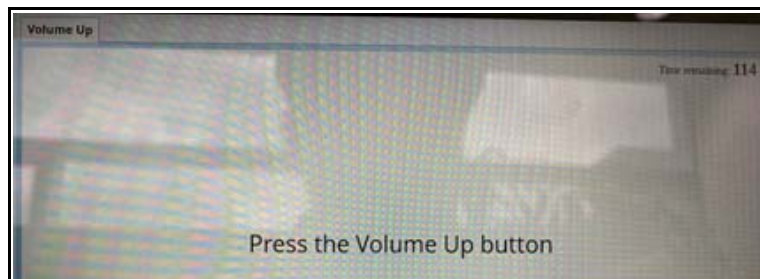


Figure 2-60. Volume Up Button Test

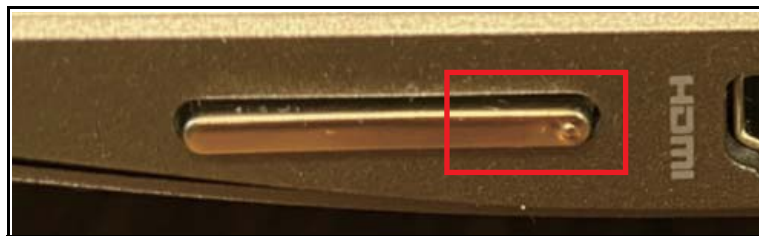


Figure 2-61. Volume Up Button Test

3. Press the **Power** button.

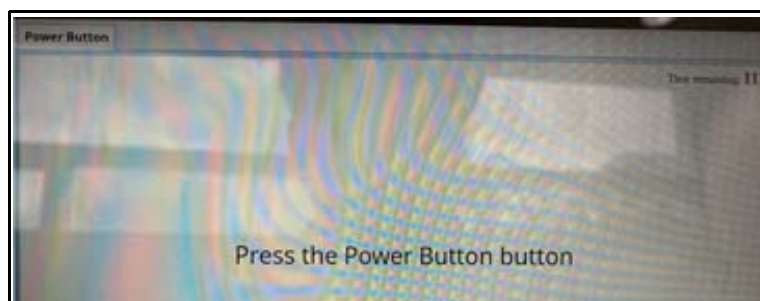


Figure 2-62. Power Button Test



Figure 2-63. Power Button Test

Touchpad Test

- Remove your fingers, and then press **Space** to start testing.
- Place one finger on the touchpad and move your finger in the all area.
- Place 2 fingers on the touchpad. One finger hold. The other One finger on the right edge of the touchpad and slide the finger up to down.
- Click left-Top/Left bottom/Right-Top/Right-Bottom by one finger. Repeat the same procedure for each item 3 times.
- Place 2 fingers on the touchpad and click it 10 times.

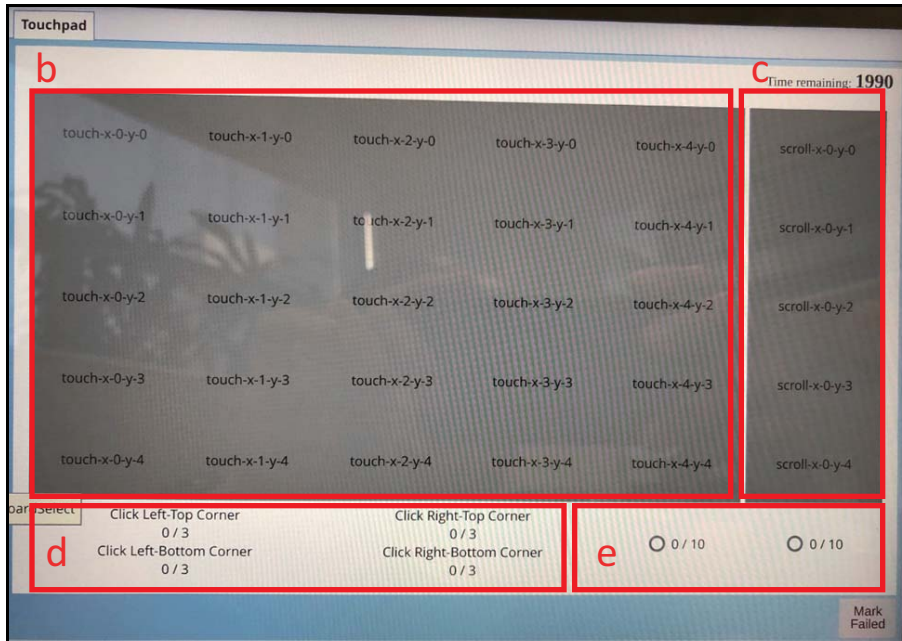


Figure 2-64. Touchpad Test

Touchscreen Test

1. Draw blocks on the screen beginning from upper left corner in a sequence.
2. Press **Esc** if the test fails.

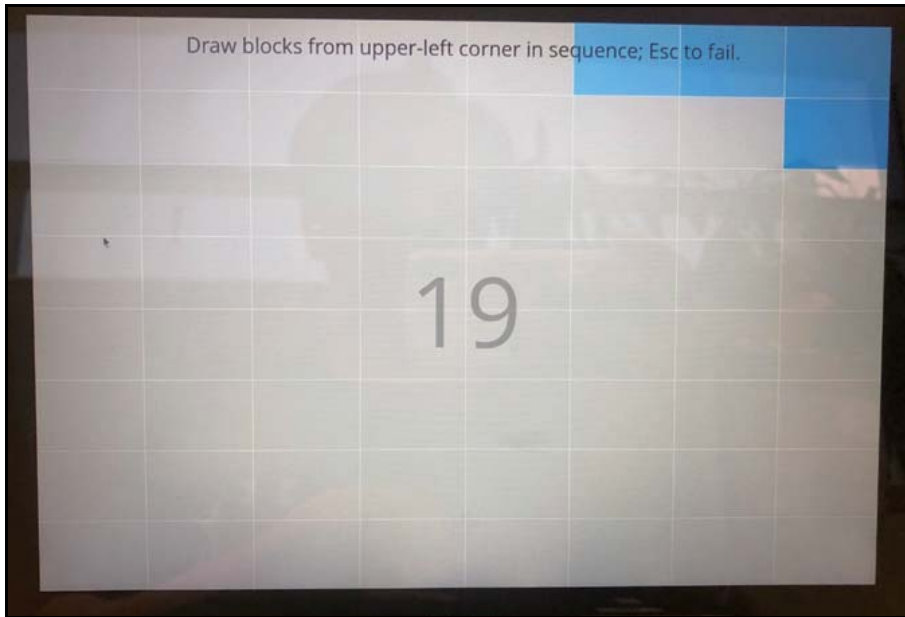


Figure 2-65. Touchscreen Test

Keyboard Test

Press the keyboard keys from left to right and top to bottom.

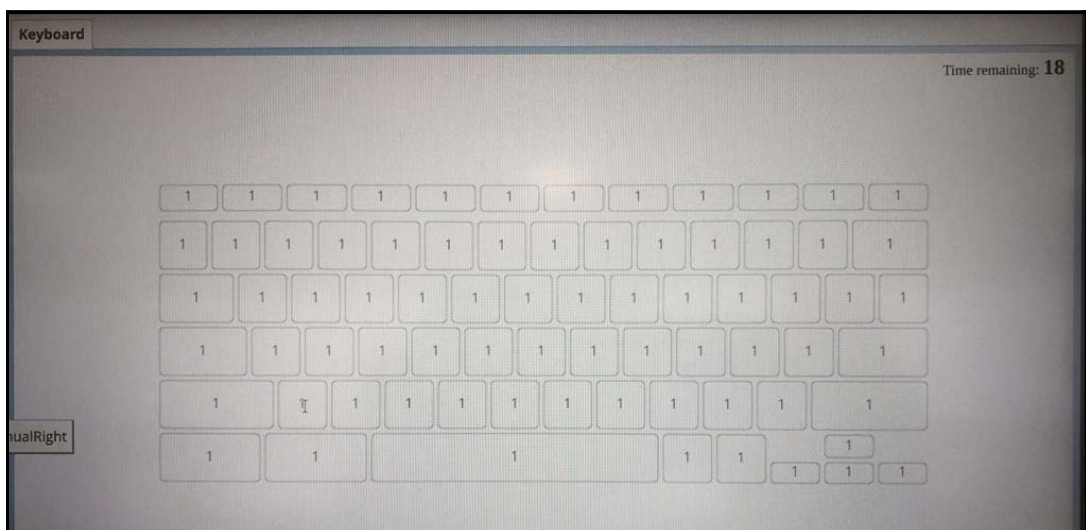


Figure 2-66. Keyboard Test

HDMI Port Test

1. Connect the notebook to an HDMI external monitor using the HDMI cable.

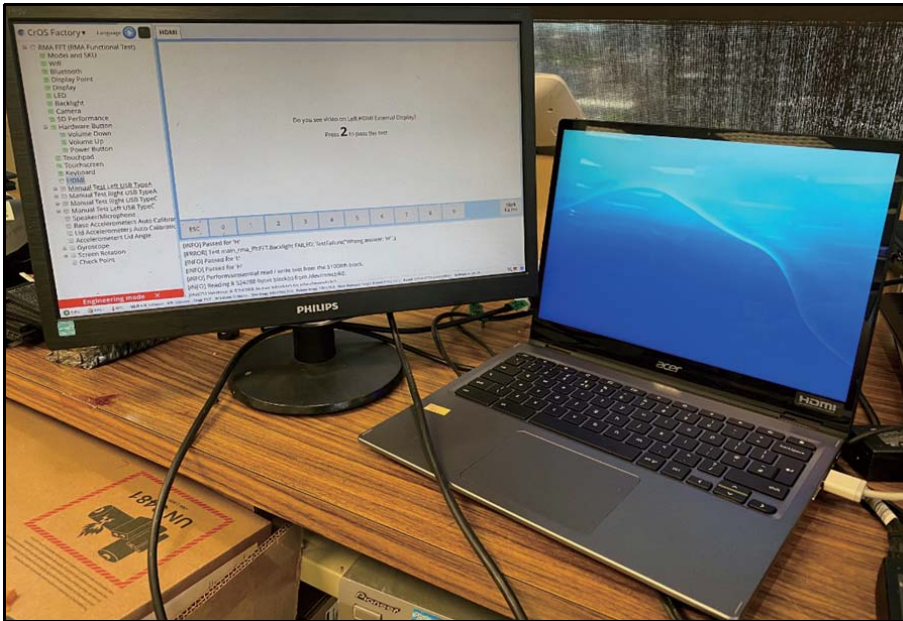


Figure 2-67. HDMI Port Test

2. Press the number displayed on the screen to finish the test.

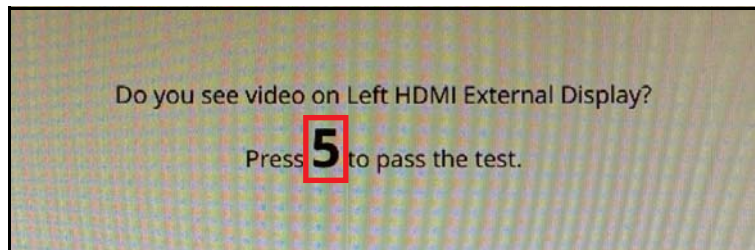


Figure 2-68. HDMI Port Test

3. Disconnect the HDMI cable from the HDMI port of the notebook.

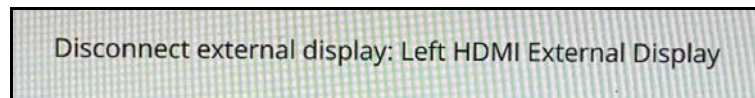


Figure 2-69. HDMI Port Test

USB Port Type A 3.0 Test (Left Side)

1. Insert a USB 3.0 drive to the USB port on the left side of the notebook.

⚠ CAUTION:

Any data in the inserted USB drive will be cleared during the USB test. Please ensure that you either use an empty USB drive or backup all the data located in the drive before you proceed with the USB test.



Figure 2-70. USB 3.0 Performance Test

2. Remove the USB 3.0 drive when you see the message instructing you to do so.



Figure 2-71. USB 3.0 Performance Test

USB Port Type A 2.0 Test (Left Side)

1. Insert a USB 2.0 drive to the USB port on the left side of the notebook.

⚠ CAUTION:

Any data in the inserted USB drive will be cleared during the USB test. Please ensure that you either use an empty USB drive or backup all the data located in the drive before you proceed with the USB test.



Figure 2-72. USB 2.0 Performance Test

2. Remove the USB 2.0 drive when you see the message instructing you to do so.



Figure 2-73. USB 2.0 Performance Test

USB Port Type C 3.0 Test (Right Side; CC1)

1. Insert a USB 3.0 drive to the USB port on the right side of the notebook.

⚠ CAUTION:

Any data in the inserted USB drive will be cleared during the USB test. Please ensure that you either use an empty USB drive or backup all the data located in the drive before you proceed with the USB test.



Figure 2-74. USB 3.0 CC1 Performance Test

2. Remove the USB 3.0 drive when you see the message instructing you to do so.



Figure 2-75. USB 3.0 CC1 Performance Test

USB Port Type C 3.0 Test (Right Side; CC2)

1. Insert a USB 3.0 drive to the USB port on the right side of the notebook.

⚠ CAUTION:

Any data in the inserted USB drive will be cleared during the USB test. Please ensure that you either use an empty USB drive or backup all the data located in the drive before you proceed with the USB test.



Figure 2-76. USB 3.0 CC2 Performance Test

2. Remove the USB 3.0 drive when you see the message instructing you to do so.



Figure 2-77. USB 3.0 CC2 Performance Test

USB Port 2.0 Test

1. Insert a USB 2.0 drive to the USB port on the right side of the notebook.

⚠ CAUTION:

Any data in the inserted USB drive will be cleared during the USB test. Please ensure that you either use an empty USB drive or backup all the data located in the drive before you proceed with the USB test.



Figure 2-78. USB 2.0 Performance Test

2. Remove the USB 2.0 drive when you see the message instructing you to do so.



Figure 2-79. USB 2.0 Performance Test

15V Charging Test

1. Connect the power adapter to the USB Type C port located at the right side of the notebook.
2. Verify if the battery is charging.

USB 3.0 External Display Test

1. Connect the system to an external display via the USB port type C 3.0 of the system.

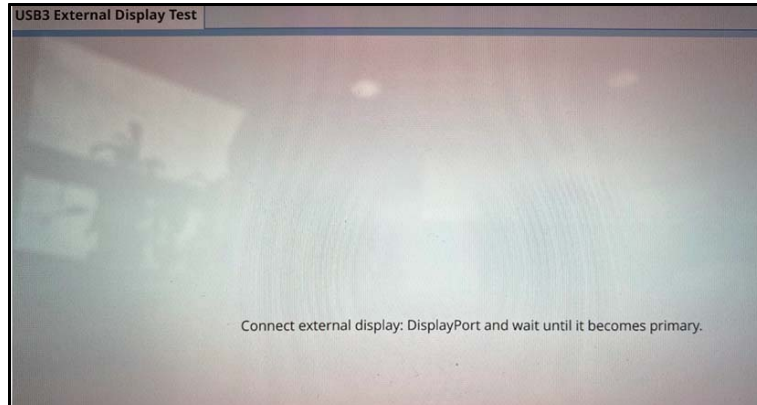


Figure 2-80. USB 3.0 External Display Test

2. Press the number displayed on the screen to finish the test.

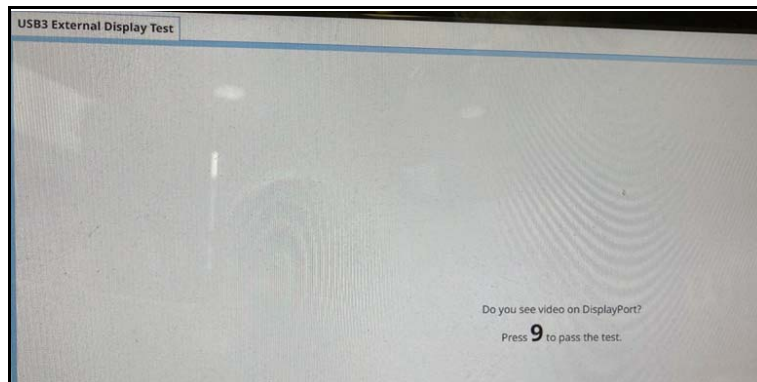


Figure 2-81. USB 3.0 External Display Test

3. Disconnect the external display.

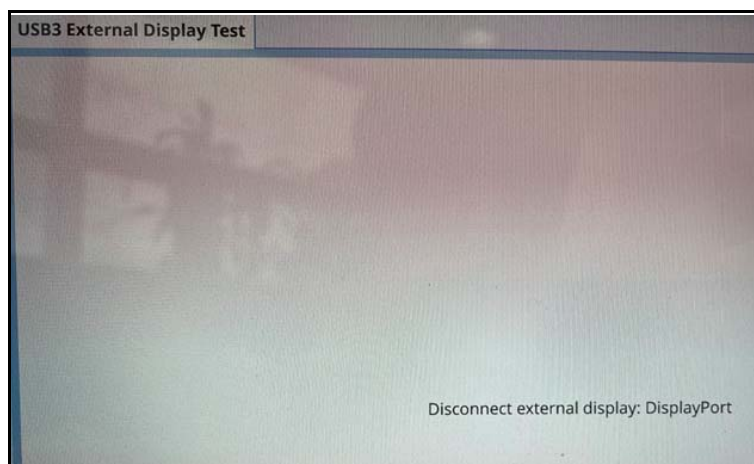


Figure 2-82. USB 3.0 External Display Test

USB Port Type C 3.0 Test (Left Side; CC1)

1. Insert a USB 3.0 drive to the USB port on the left side of the notebook.

⚠ CAUTION:

Any data in the inserted USB drive will be cleared during the USB test. Please ensure that you either use an empty USB drive or backup all the data located in the drive before you proceed with the USB test.



Figure 2-83. USB 3.0 CC1 Performance Test

2. Remove the USB 3.0 drive when you see the message instructing you to do so.



Figure 2-84. USB 3.0 CC1 Performance Test

USB Port Type C 3.0 Test (Left Side; CC2)

1. Insert a USB 3.0 drive to the USB port on the left side of the notebook.

⚠ CAUTION:

Any data in the inserted USB drive will be cleared during the USB test. Please ensure that you either use an empty USB drive or backup all the data located in the drive before you proceed with the USB test.



Figure 2-85. USB 3.0 CC2 Performance Test

2. Remove the USB 3.0 drive when you see the message instructing you to do so.

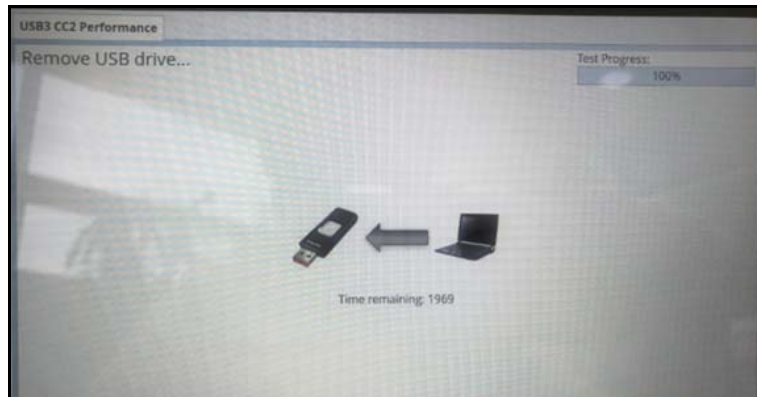


Figure 2-86. USB 3.0 CC2 Performance Test

USB Port 2.0 Test

1. Insert a USB 2.0 drive to the USB port on the left side of the notebook.

⚠ CAUTION:

Any data in the inserted USB drive will be cleared during the USB test. Please ensure that you either use an empty USB drive or backup all the data located in the drive before you proceed with the USB test.



Figure 2-87. USB 2.0 Performance Test

2. Remove the USB 2.0 drive when you see the message instructing you to do so.



Figure 2-88. USB 2.0 Performance Test

15V Charging Test

1. Connect the power adapter to the USB Type C port located at the left side of the notebook.
2. Verify if the battery is charging.

USB 3.0 External Display Test

1. Connect the system to an external display via the USB port type C 3.0 of the system.

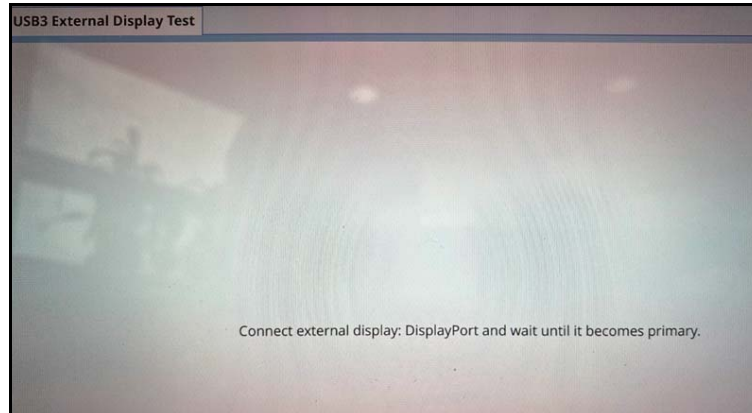


Figure 2-89. USB 3.0 External Display Test

2. Press the number displayed on the screen to finish the test.

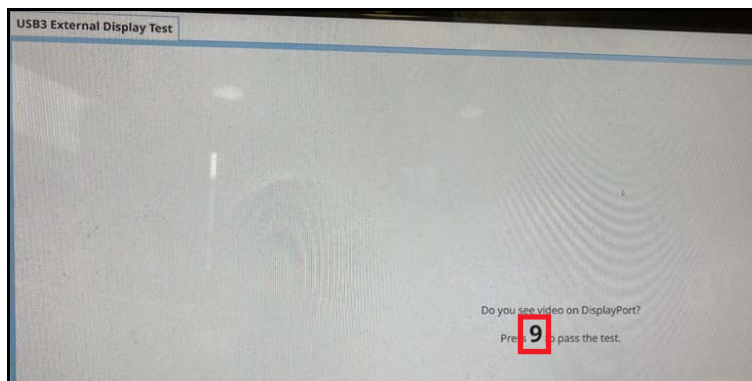


Figure 2-90. USB 3.0 External Display Test

3. Disconnect the external display.

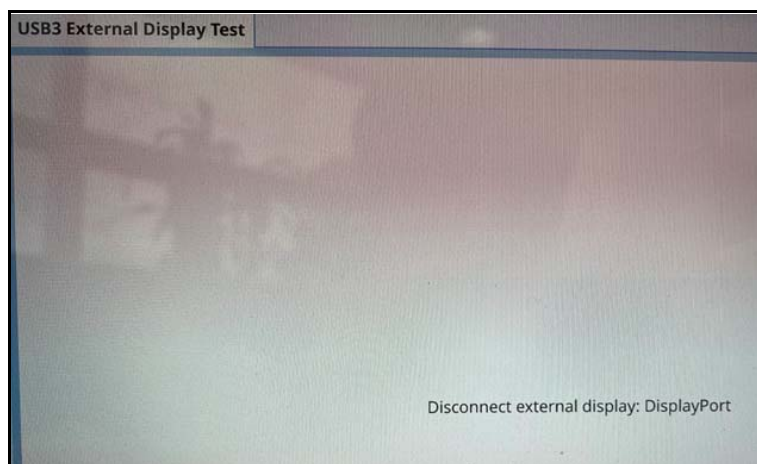


Figure 2-91. USB 3.0 External Display Test

Speaker / Microphone Test

Automatic test.

Base Accelerometers Auto Calibration Test

Place the device in face-up position and press **Enter** to start calibration.

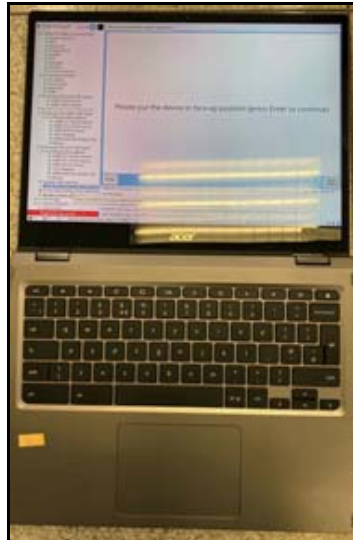


Figure 2-92. Base Accelerometers Auto Calibration Test

Lid Accelerometers Calibration Test

Place the device on a horizontal plane and press **Space** to start calibration.

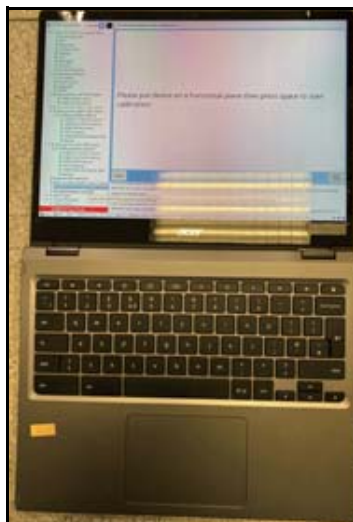


Figure 2-93. Lid Accelerometers Calibration Test

Accelerometers Lid Angle Test

Open the lid to 180 degrees and press *Space* to start testing.

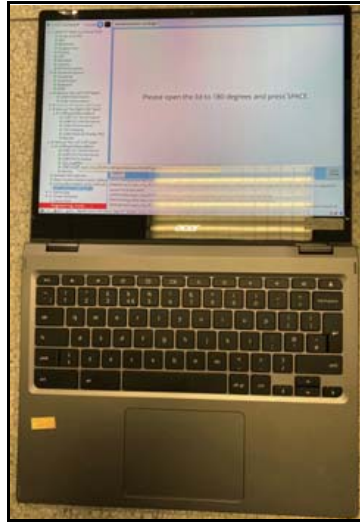


Figure 2-94. Accelerometers Lid Angle Test

Gyroscope Test

1. Place the device in face-up position and press **Enter** to start calibration.

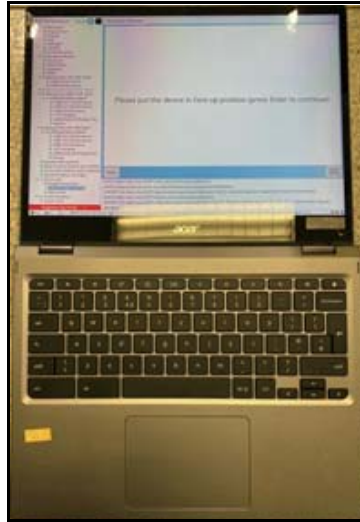


Figure 2-95. Gyroscope Test

2. Rotate the device.

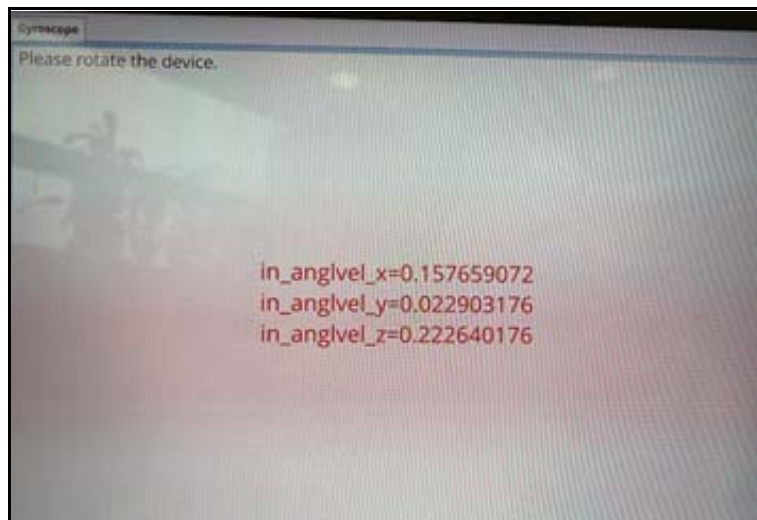


Figure 2-96. Gyroscope Test

Screen Rotation Test

a) Tablet mode

Flip the lid into tablet mode, then tap `Confirm tablet mode` to start test.

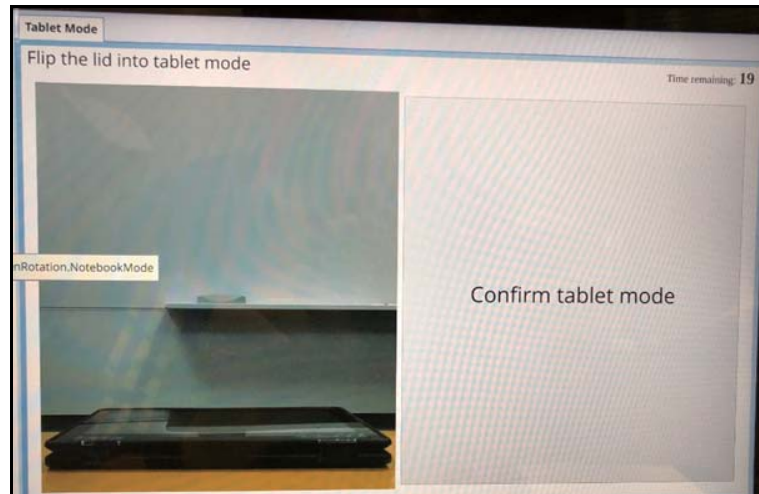


Figure 2-97. Tablet Mode Test

b) Tablet Rotation Base-Accel

1. Rotate the tablet to correctly align the picture, holding it at an upright 90-degree angle.



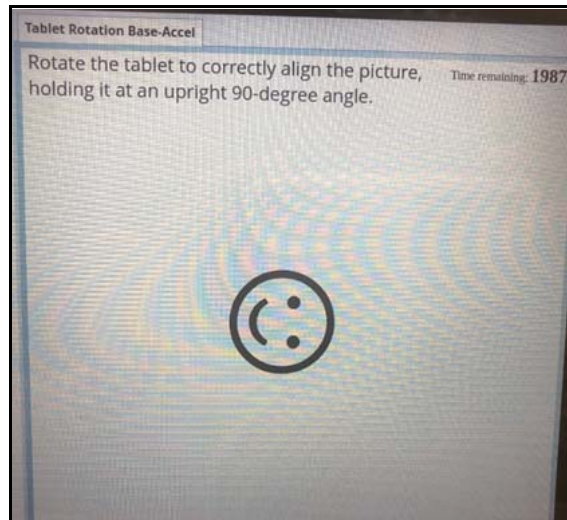
Figure 2-98. Tablet Rotation Base-Accel Test

2. Rotate the tablet to correctly align the picture, holding it at an upright 90-degree angle.



Figure 2-99. Tablet Rotation Base-Accel Test

3. Rotate the tablet to correctly align the picture, holding it at an upright 90-degree angle.



4. Rotate the tablet to correctly align the picture, holding it at an upright 90-degree angle.



Figure 2-100. Tablet Rotation Base-Accel Test

c) Notebook mode

Open the lid back to notebook mode and press *Space* to confirm notebook mode.

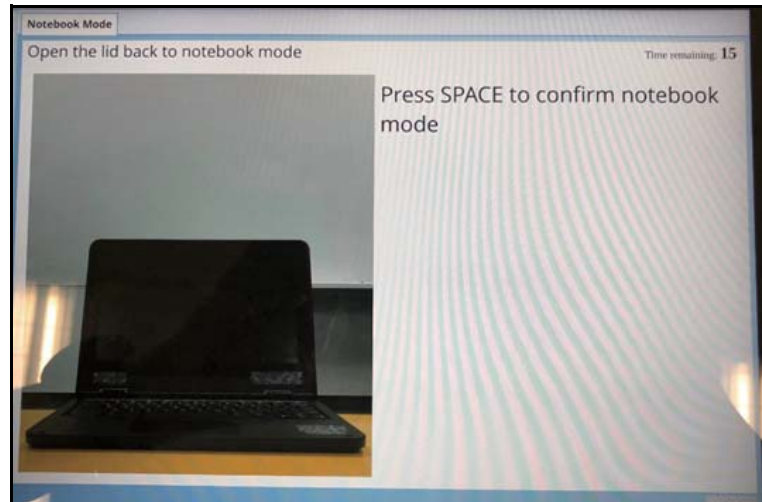


Figure 2-101. Notebook Mode Test

Finish the Test

To finish the test, click or press *Space* to continue.

CHAPTER 3

Machine Maintenance Procedures

Introduction	3-4
General Information	3-4
Recommended Equipment	3-4
Pre-disassembly Instructions	3-5
Disassembly Process	3-6
Main Unit Disassembly Process	3-7
Main Unit Disassembly Flowchart	3-7
Base Cover Removal	3-8
Battery Pack Removal	3-10
Heatsink Removal	3-12
SSD Module Removal	3-14
Speaker Module Removal	3-16
Touchpad Module Removal	3-18
LCD Module Removal	3-21
Fan Removal	3-24
WLAN Antenna Removal	3-26
USB Board Removal	3-29
Mainboard Removal	3-32
Top Assembly Removal	3-36
LCD Module Disassembly Process	3-37
LCD Module Disassembly Flowchart	3-37
LCD Panel Removal	3-38
Camera Module Removal	3-41
eDP Cable Removal	3-43
G-Sensor Board Removal	3-48
LCD Hinges Removal	3-51
LCD Module Reassembly Process	3-53
Replacing the LCD Hinges	3-53
Replacing the G-Sensor Board	3-55
Replacing the eDP Cable	3-57
Replacing the Camera Module	3-61
Replacing the LCD Panel	3-63
Main Unit Reassembly Process	3-65
Replacing the Top Assembly	3-65
Replacing the Mainboard	3-66
Replacing the USB Board	3-69
Replacing the WLAN Antenna	3-71
Replacing the Fan	3-75
Replacing the LCD Module	3-77
Replacing the Touchpad Module	3-80
Replacing the Speaker Module	3-83
Replacing the SSD Module	3-84

Replacing the Heatsink	3-86
Replacing the Battery Pack	3-88
Replacing the Base Cover.	3-90

Machine Maintenance Procedures

Introduction

This chapter contains general information about the computer, a list of tools needed to do the required maintenance and step by step procedures on how to remove and install components from the computer.

General Information

The product previews seen in the following procedures may not represent the final product color or configuration. Cable paths and positioning may also differ from the actual model. During the removal and installation of components, make sure all available cable channels and clips are used and that the cables are installed in the same position.

All prerequisites must be completed prior to starting maintenance.

Recommended Equipment

The following equipment are recommended to do the following maintenance procedures:

- Wrist grounding strap and conductive mat
- Flat screwdriver
- Philips screwdriver
- Polydrive screwdriver
- Plastic tweezers
- Flat plastic pry

Pre-disassembly Instructions

Do the following prior to starting any maintenance procedures:

1. Place the system on a stable work surface.
2. Remove the power adapter from the USB Type-C port (A or B) as shown in [Figure 3-1](#) or [Figure 3-2](#).
3. Remove all cables from system.

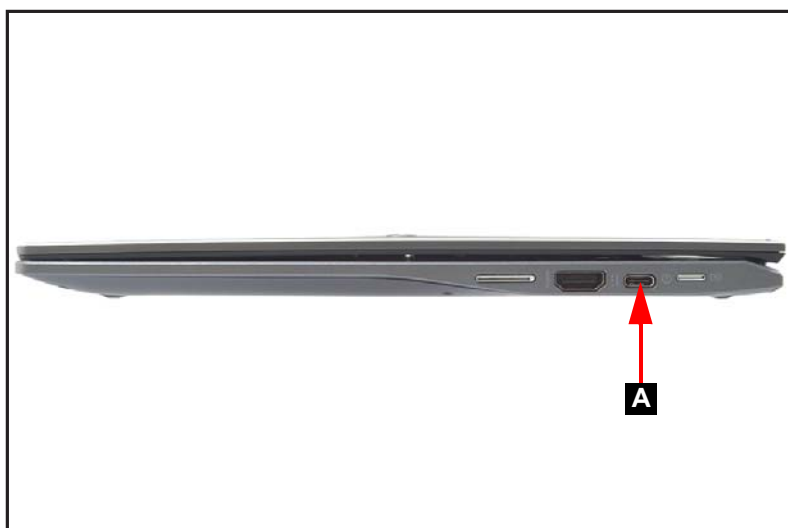


Figure 3-1. AC Adapter Outlet

4. Remove the microSD card from the microSD card slot (C) ([Figure 3-2](#)).

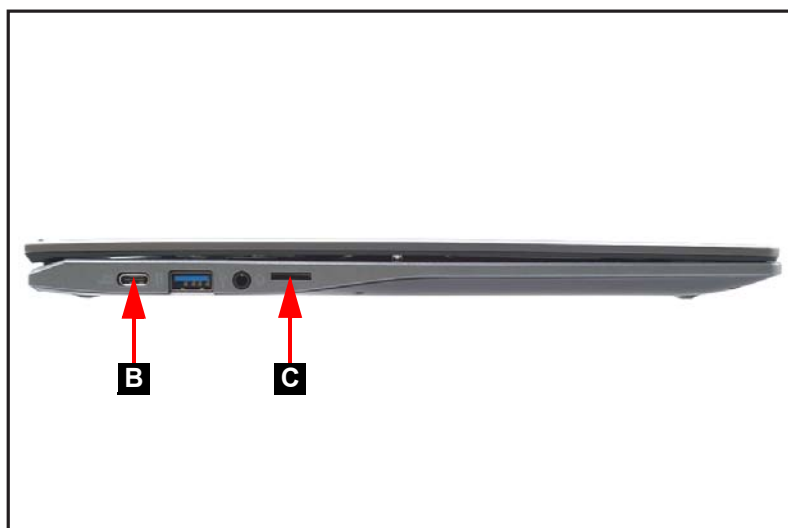


Figure 3-2. MicroSD Card Removal

⇒ NOTE:

Make sure the system is completely powered off.

Disassembly Process

The disassembly process is divided into the following sections:

- 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, when removing the mainboard, remove first the Base Cover, Battery, heatsink, fan module, and SSD module in that order.

Table 3-1. Main Screw List

Size	Quantity	Acer Part No.
SCREW(M2*5.2-I,NYLOK)BNI W/WASHER	9	86.HQBN7.001
SCREW M2*2.5-I(BZN,NYLOK)IRON	5	86.GVJN7.002
SCREW M2.0*2.5-IBZNNYLOKD7.0 IRON	5	86.HQBN7.002
SCREW M2.0*4.0-I(BZN)(NYLOK)(IRON)	6	86.HQBN7.003
SCREWM2.5*2.3-IBZNNYLOKD7.5T0.6 IRON	6	86.HQBN7.004

Main Unit Disassembly Process

Main Unit Disassembly Flowchart

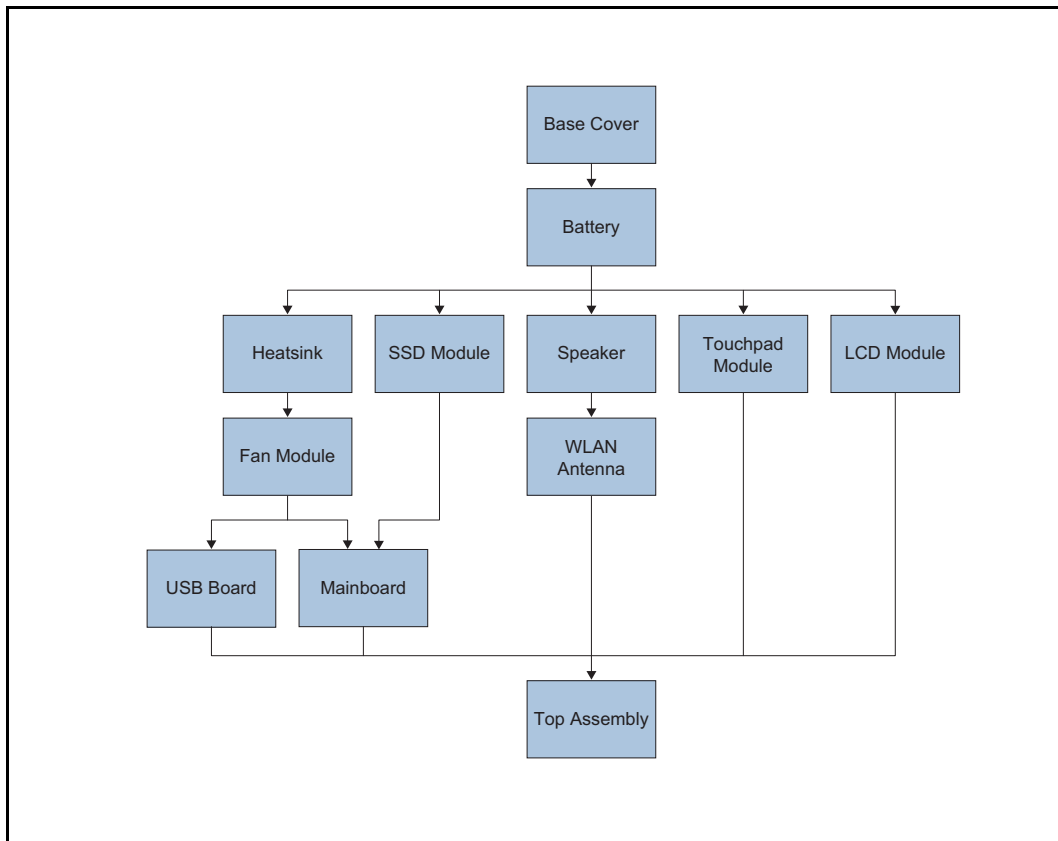


Table 3-2. Main Unit Screw List

Step	Size	Quantity	Acer Part No.
Base Cover Removal	M2.0*5.2	9	86.HQBN7.001
Heatsink Removal	M2.0*2.5	4	86.GVJN7.002
SSD Module Removal	M2.0*2.5	1	86.GVJN7.002
Touchpad Module Removal	M2.0*2.5 (D7.0)	2	86.HQBN7.002
LCD Module Removal	M2.0*4.0	4	86.HQBN7.003
Fan Module Removal	M2.0*4.0	2	86.HQBN7.003
USB Board Removal	M2.0*2.5 (D7.0)	1	86.HQBN7.002
Mainboard Removal	M2.0*2.5 (D7.0)	2	86.HQBN7.002

⇒ NOTE:

The keyboard is included as part of the top assembly and cannot be disassembled. In the event that the keyboard is damaged, replace the entire top assembly.

Base Cover Removal

1. Remove nine (9) screws from the base cover ([Figure 3-3](#)).



Figure 3-3. Base Cover Removal

2. Carefully pry up the base cover starting from the bottom side to release the latches. Then continue releasing the remaining latches on the left, right, and upper sides ([Figure 3-4](#)).




Figure 3-4. Base Cover Removal

3. Grasp and remove the base cover from the system (Figure 3-5).



Figure 3-5. Base Cover Removal

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*5.2	2.0+10%KGF/CM	9	

Battery Pack Removal

Prerequisite:

Base Cover Removal

1. Find the battery pack (A) on the top assembly (Figure 3-6).
2. Detach the tape (B) securing the battery cable to the mainboard connector (Figure 3-6).
3. Detach the transparent mylar (C) securing the battery cable and keyboard FPC (Figure 3-6).

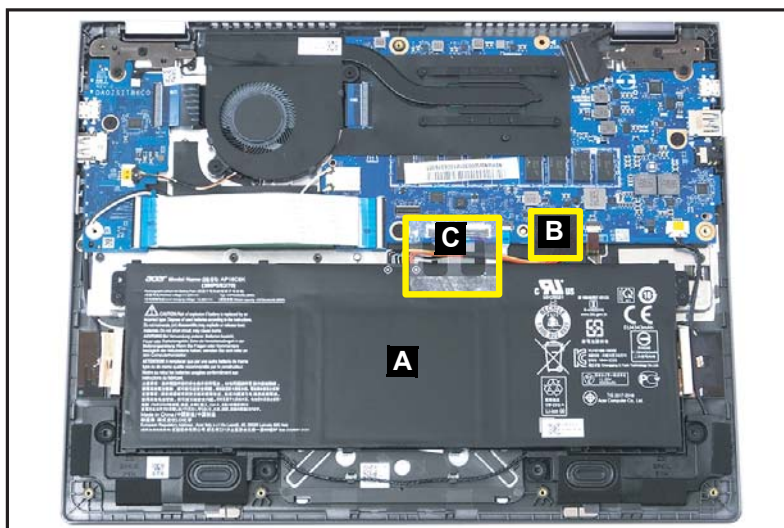


Figure 3-6. Battery Pack Removal

4. Disconnect the battery cable from the mainboard connector (D) (Figure 3-7).

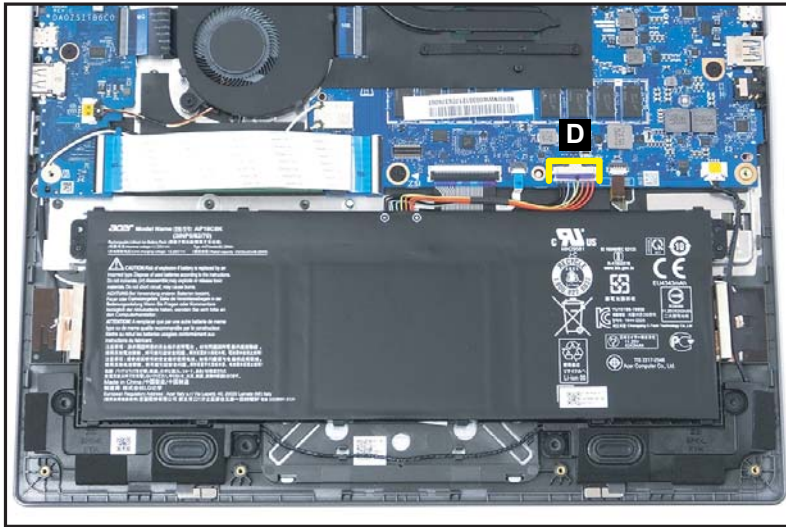


Figure 3-7. Battery Pack Removal

5. Remove the battery pack from the top assembly (Figure 3-8).

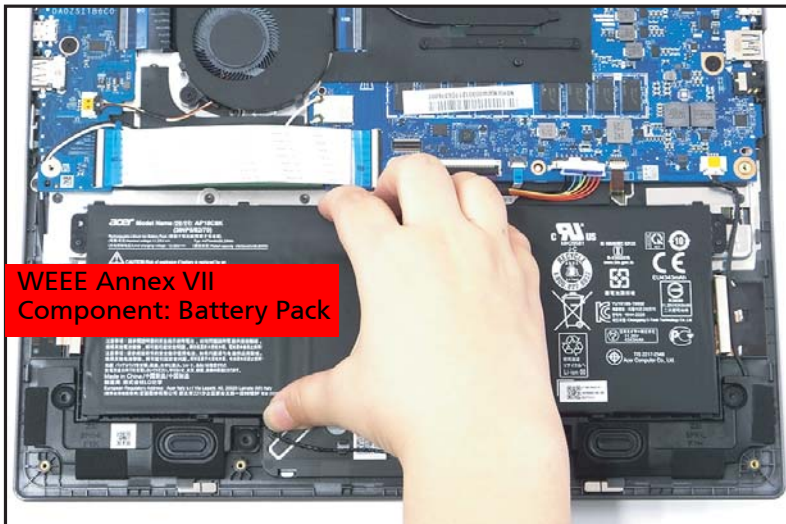


Figure 3-8. Battery Pack Removal

+ **IMPORTANT:**

Follow local regulations for battery disposal.

Heatsink Removal

Prerequisite:

Battery Pack Removal

1. Detach the mylar (A) securing the fan module (Figure 3-9).
2. Remove four (4) screws (in reverse numerical order from four (4) to one (1)) securing the CPU heatsink in place (Figure 3-9).

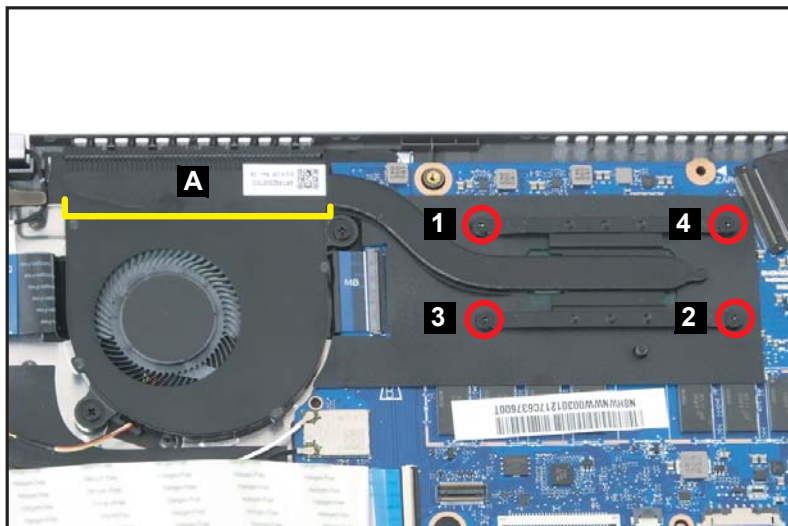


Figure 3-9. Heatsink Removal

3. Remove the heatsink (B) from the mainboard and top assembly (Figure 3-10).

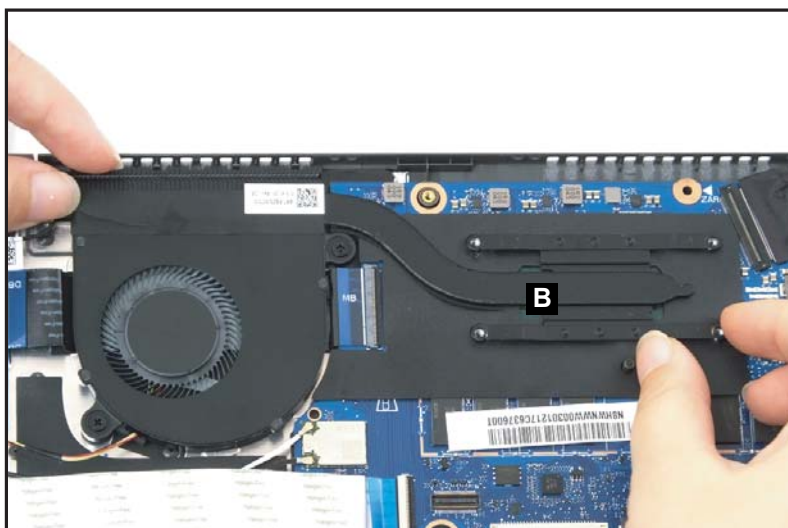



Figure 3-10. Heatsink Removal

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*2.5	2.0+10%KGF/CM	4	

SSD Module Removal

Prerequisite:

Battery Pack Removal

1. Disconnect the 45-pin USB board FFC from the USB board connector (A) and the mainboard connector (B). Then remove the 45-pin USB board FFC (Figure 3-11).

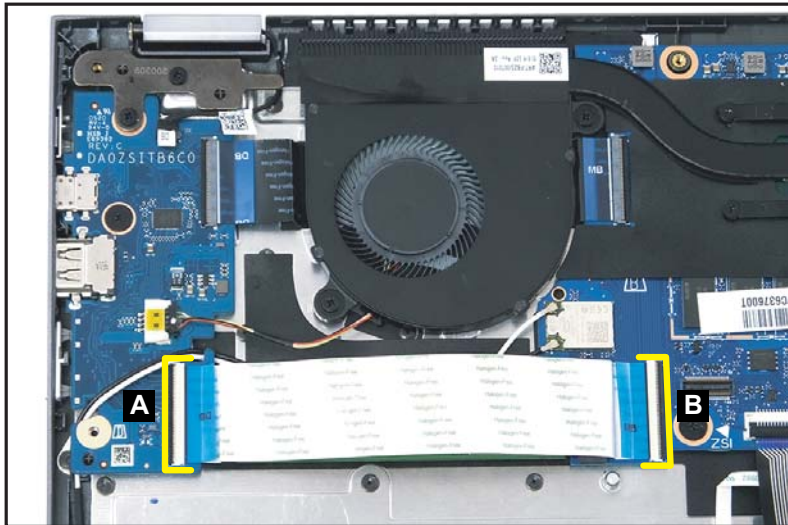


Figure 3-11. SSD Module Removal

2. Remove one (1) screw securing the SSD module in place (Figure 3-12).




Figure 3-12. SSD Module Removal

3. Remove the SSD module (C) from the mainboard connector (D) (Figure 3-13).



Figure 3-13. SSD Module Removal

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*2.5	2.0+10%KGF/CM	1	

Speaker Module Removal

Prerequisite:

Battery Pack Removal

1. Find the speaker module (A) on the top assembly (Figure 3-14).
2. Disconnect the speaker cable from the mainboard connector (B) (Figure 3-14).
3. Release the tape (C) from the guide pin (D). Then remove the tape (Figure 3-14).
4. Unroute the speaker cable (E) from the cable guides (Figure 3-14).

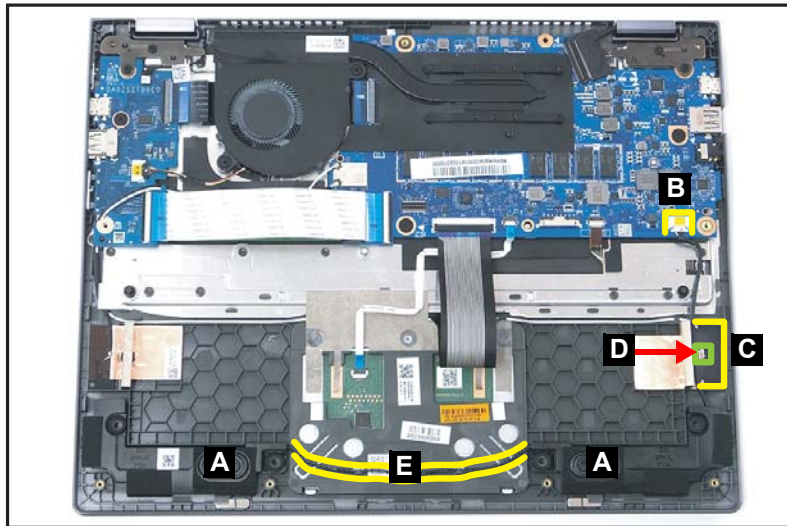


Figure 3-14. Speaker Module Removal

5. Remove the speakers from the top assembly ([Figure 3-15](#)).



Figure 3-15. Speaker Module Removal

Touchpad Module Removal

Prerequisite:

Battery Pack Removal

1. Disconnect the touchpad FFC from the mainboard connector (A) and the touchpad connector (B). Then remove the touchpad FFC from the top assembly (Figure 3-16).

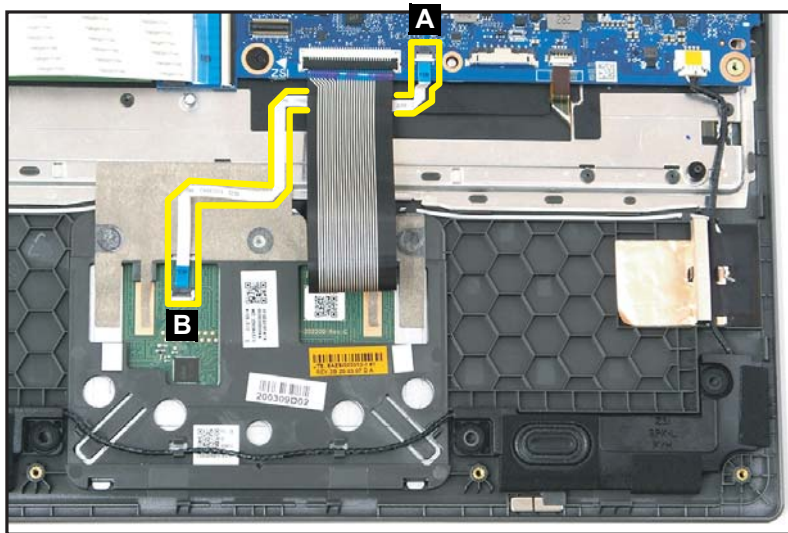


Figure 3-16. Touchpad Module Removal

2. Lift the keyboard FPC (C) and gently peel off the conductive tape (D) from the touchpad module (Figure 3-17).

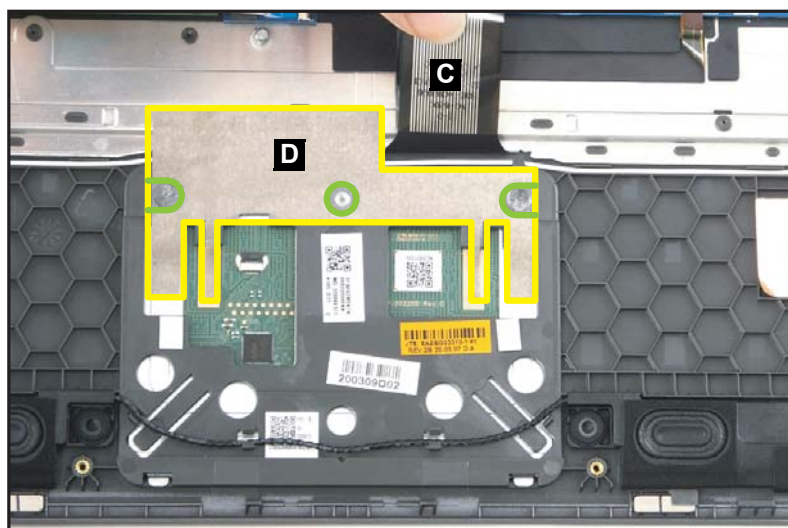


Figure 3-17. Touchpad Module Removal

3. Remove two (2) screws securing the touchpad module in place (Figure 3-18).

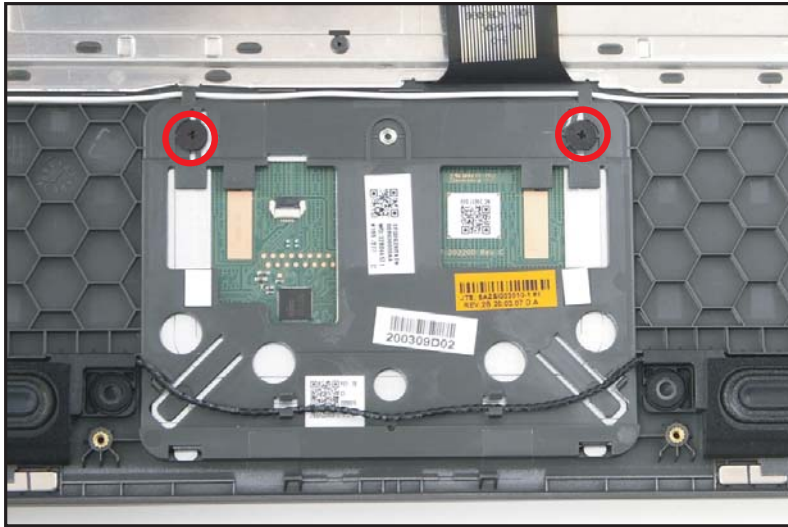


Figure 3-18. Touchpad Module Removal

4. Using the screwdriver, push the guide pins (E) firmly to release them from the top assembly (Figure 3-19).
5. With one hand is placed underneath the touchpad module, push the touchpad module slightly to disengage it from the bottom latches (F), and then remove the touchpad module (G) from the top assembly (Figure 3-19).

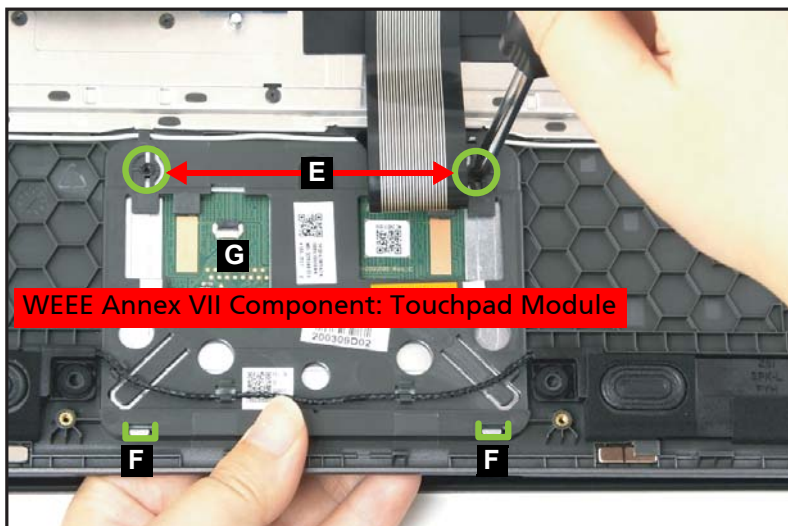



Figure 3-19. Touchpad Module Removal

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*2.5 (D7.0)	2.0+10%KGF/CM	2	

LCD Module Removal

Prerequisite:

Battery Pack Removal

1. Disconnect the G-sensor cable from the mainboard connector (A) (Figure 3-20).
2. Unroute the G-sensor cable from the cable guide (B) (Figure 3-20).

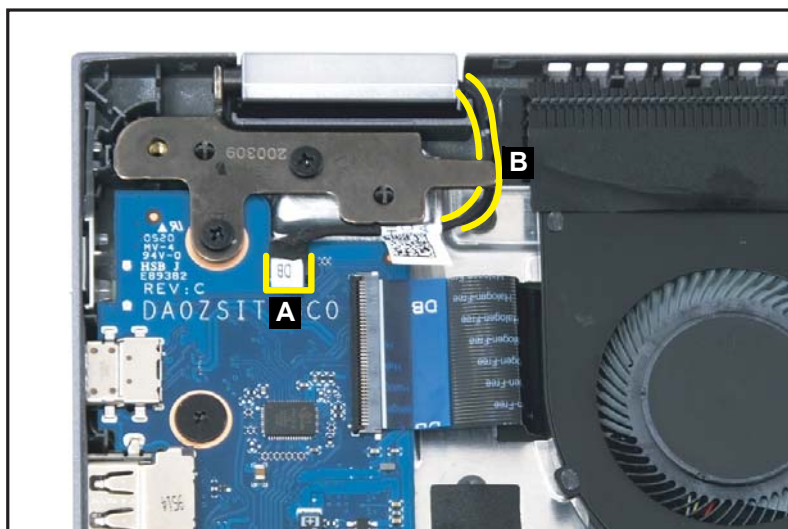


Figure 3-20. LCD Module Removal

3. Disconnect the eDP cable from the mainboard connector (C) (Figure 3-21).

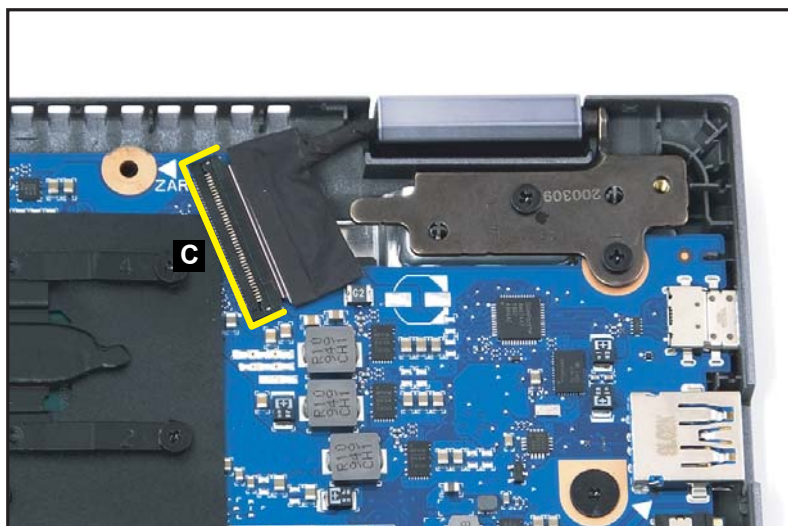


Figure 3-21. LCD Module Removal

4. Remove four (4) screws securing the LCD hinges in place (Figure 3-22).

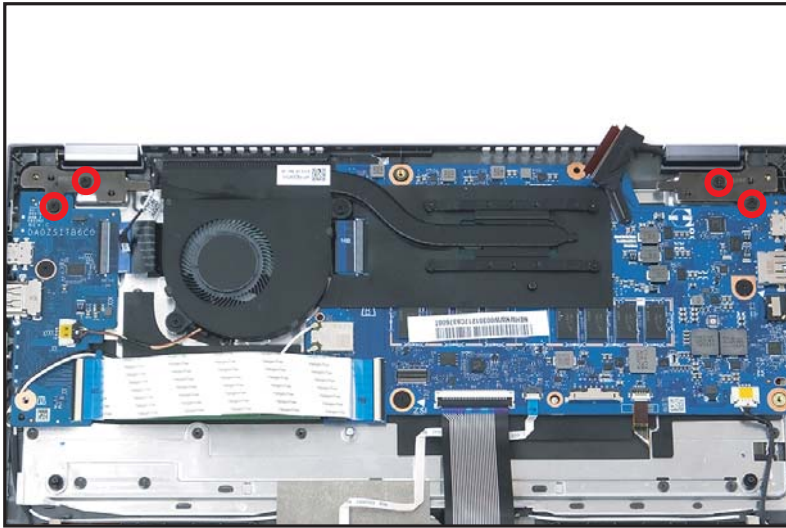


Figure 3-22. LCD Module Removal

5. Lift the top assembly until it is fully open (Figure 3-23).

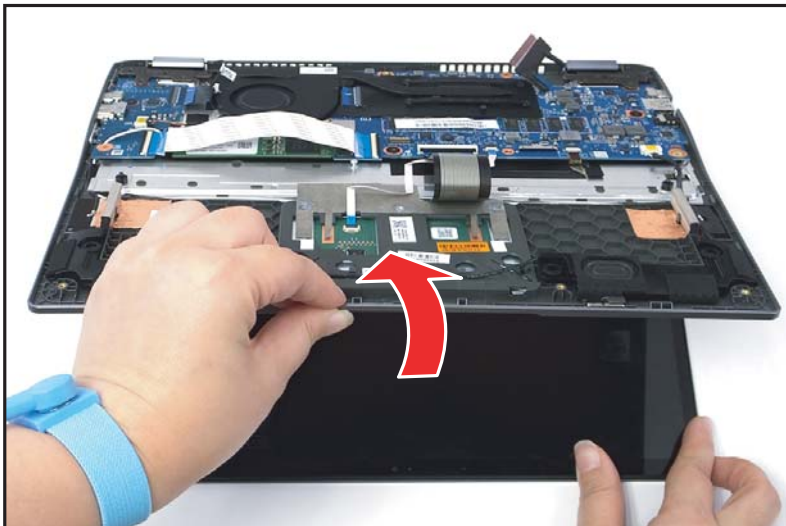


Figure 3-23. LCD Module Removal

6. Close the top assembly and lift both LCD hinges until they are fully extended (Figure 3-24).

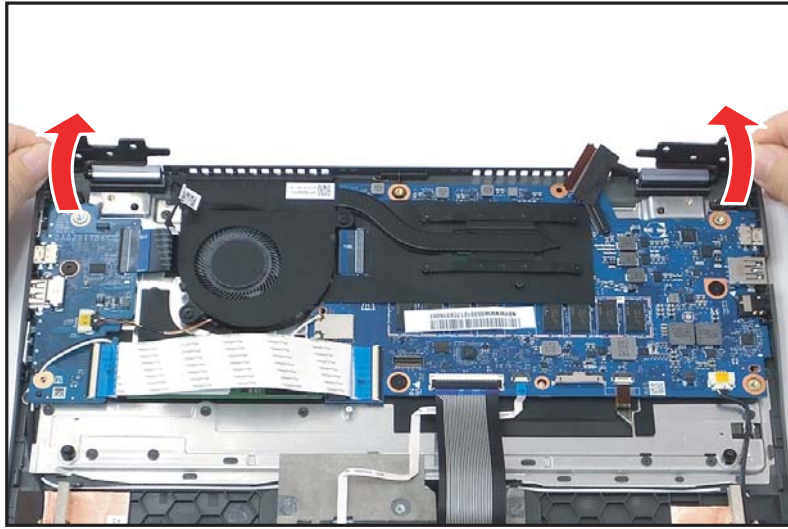


Figure 3-24. LCD Module Removal

7. Open the top assembly again, and then pull it backwards to remove the top assembly away from the LCD module (Figure 3-25).

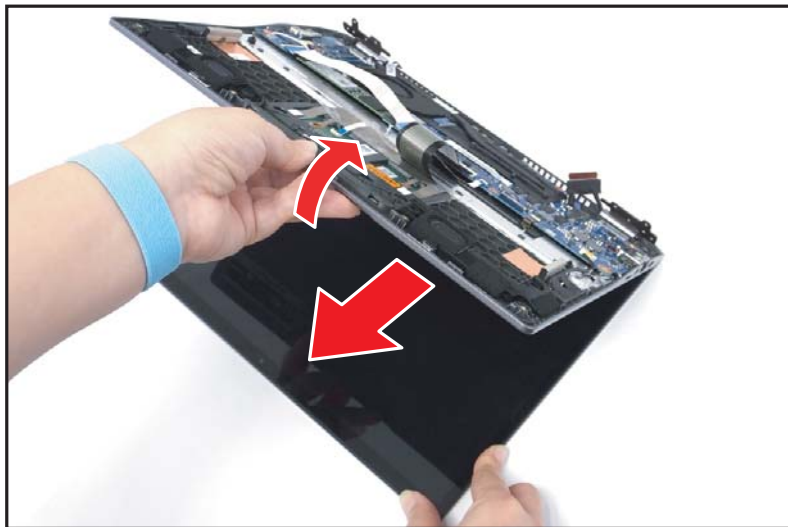



Figure 3-25. LCD Module Removal

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*4.0	2.0+10%KGF/CM	4	

Fan Removal

Prerequisite:

Heatsink Removal

1. Find the fan (A) on the top assembly. Then disconnect the fan cable from the mainboard connector (B) (Figure 3-26).
2. Remove two (2) screws securing the fan in place (Figure 3-26).

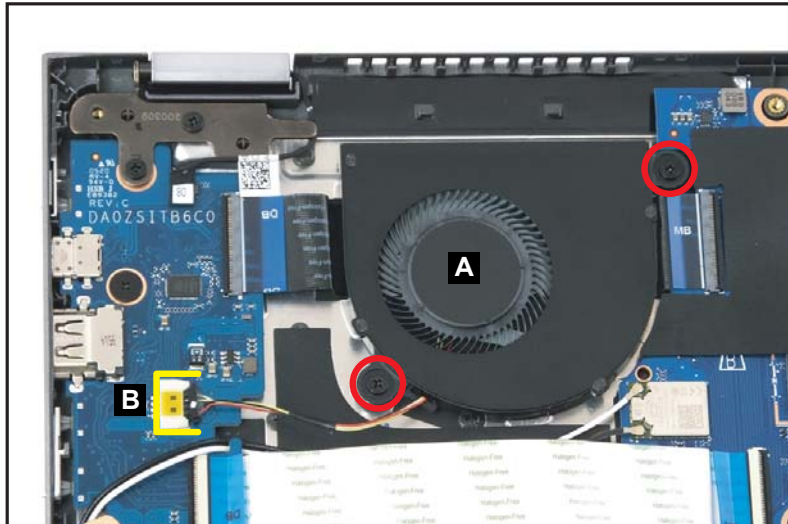


Figure 3-26. Fan Removal

3. Remove the fan from the top assembly (Figure 3-27).

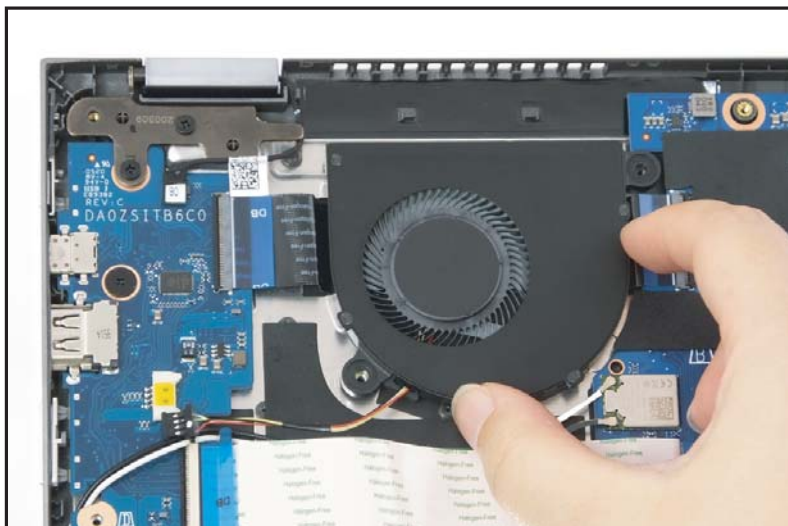



Figure 3-27. Fan Removal

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*4.0	2.0+10%KGF/CM	2	

WLAN Antenna Removal

Prerequisite:

[Speaker Module Removal](#)

1. Disconnect the touchpad FFC from the touchpad connector (A) ([Figure 3-28](#)).

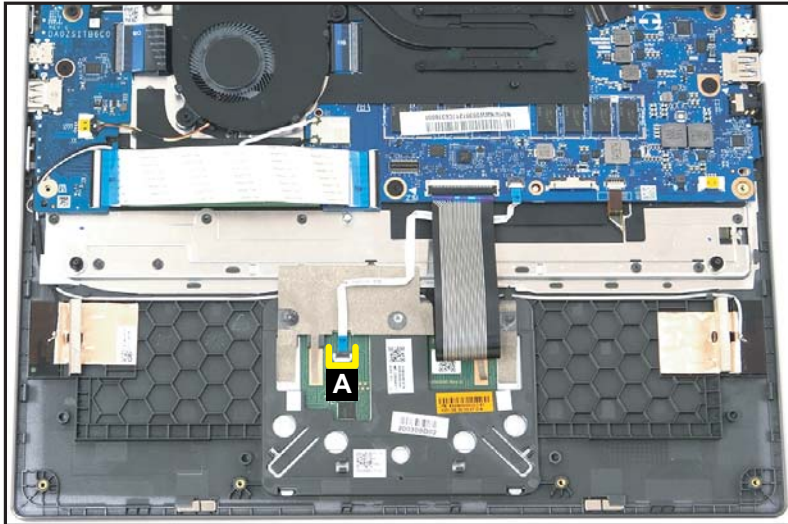


Figure 3-28. WLAN Antenna Removal

2. Lift the keyboard FPC (B) and gently peel off the conductive tape (C) from the touchpad module ([Figure 3-29](#)).

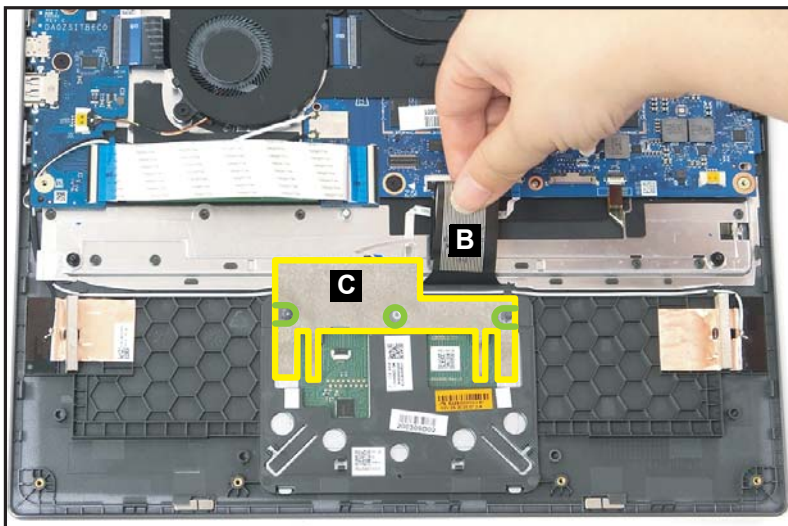


Figure 3-29. WLAN Antenna Removal

3. Disconnect the WLAN antennas cables from the WLAN module connectors (D). Then unroute the WLAN antennas cables from the cable guides (Figure 3-29).

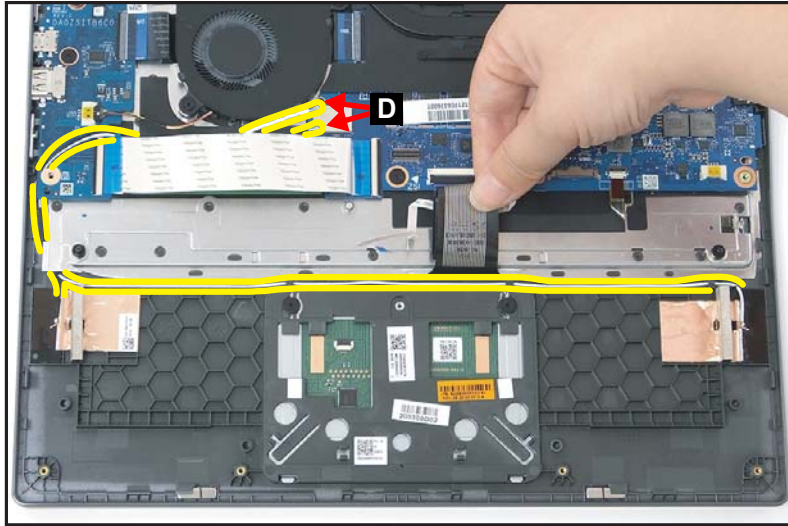


Figure 3-30. WLAN Antenna Removal

4. Remove two (2) side gaskets (E) from the top assembly (Figure 3-29).

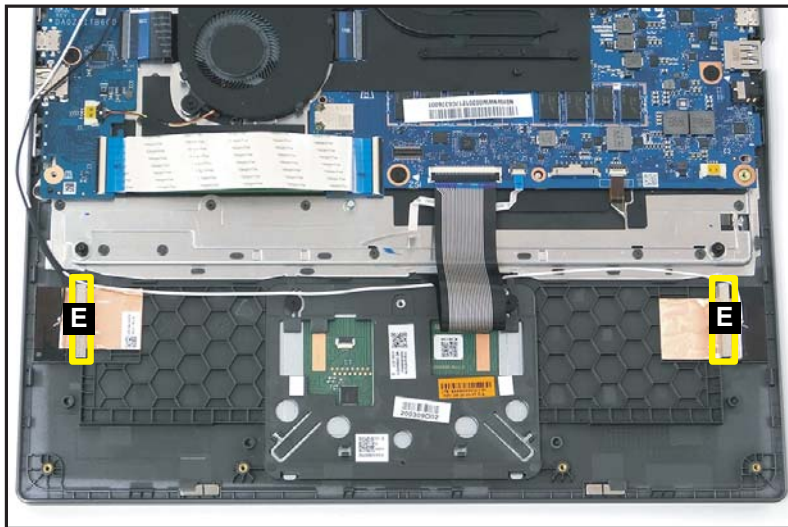


Figure 3-31. WLAN Antenna Removal

5. Gently peel off the MAIN antenna and its grounding foil. While detaching the antenna and its grounding foil, be careful to release them from the guide pin (F) (Figure 3-32).
6. Remove the MAIN antenna from the top assembly (Figure 3-32).

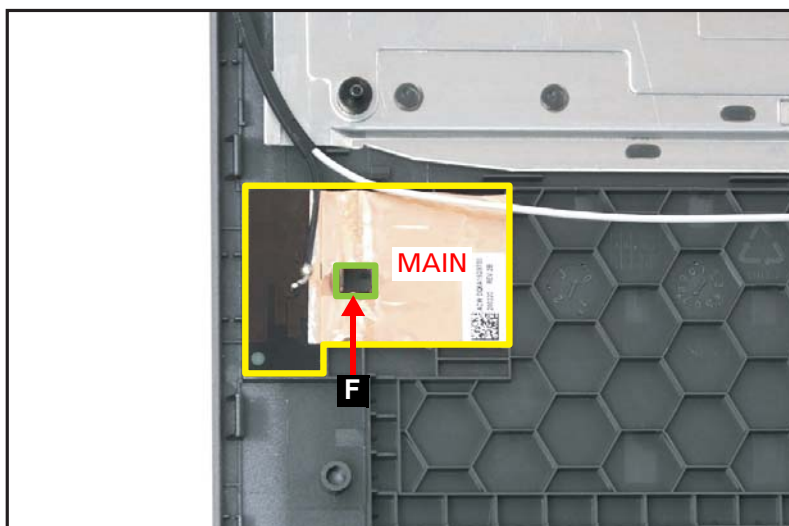


Figure 3-32. MAIN Antenna Removal

7. Gently peel off the AUX antenna and its grounding foil. While detaching the antenna and its grounding foil, be careful to release them from the guide pin (G) (Figure 3-33).
8. Remove the AUX antenna from the top assembly (Figure 3-33).

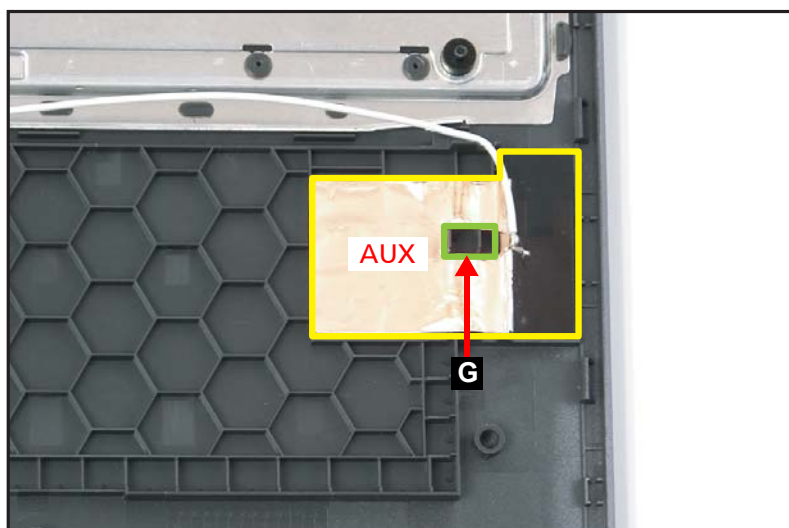


Figure 3-33. WLAN Antenna Removal

⚠ CAUTION:

Use care not to damage the antenna PCB circuit area when the grounding foil is removed.

USB Board Removal

Prerequisite:

Fan Removal

1. Remove two (2) screws (A) securing the left side of LCD hinge in place (Figure 3-34).

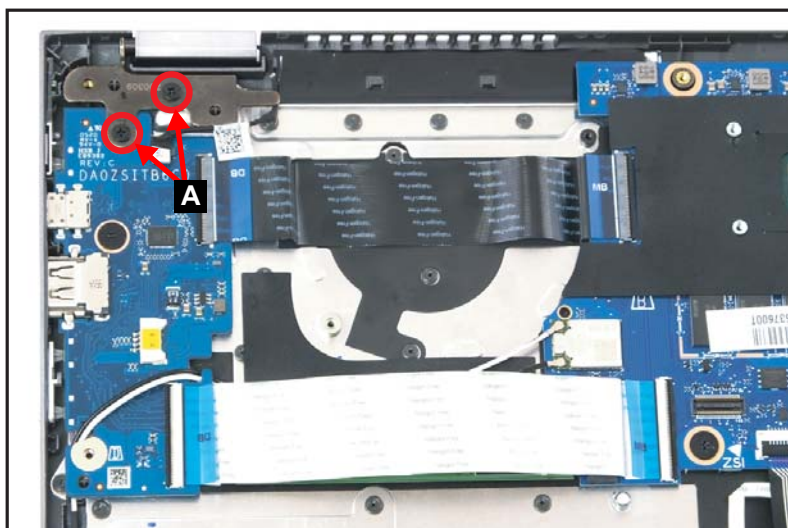


Figure 3-34. USB Board Removal

2. Lift the top assembly until it is fully open (Figure 3-35).

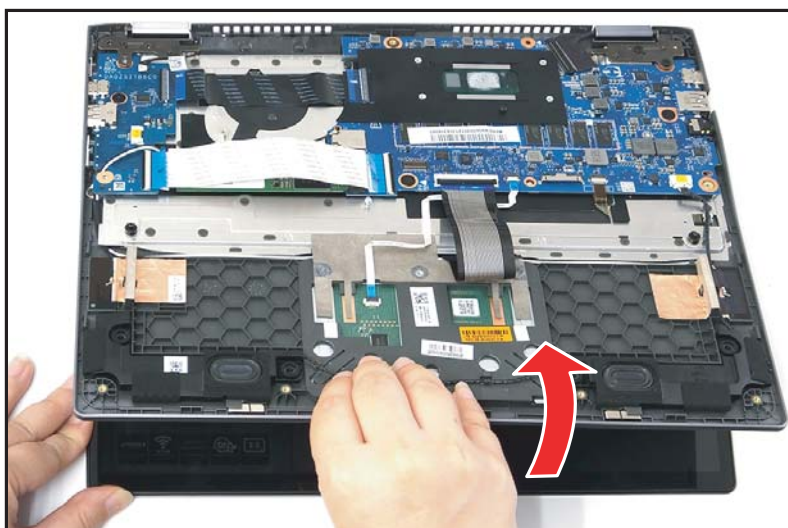


Figure 3-35. USB Board Removal

3. Close the top assembly and lift the left side of LCD hinge until it is fully extended ([Figure 3-36](#)).

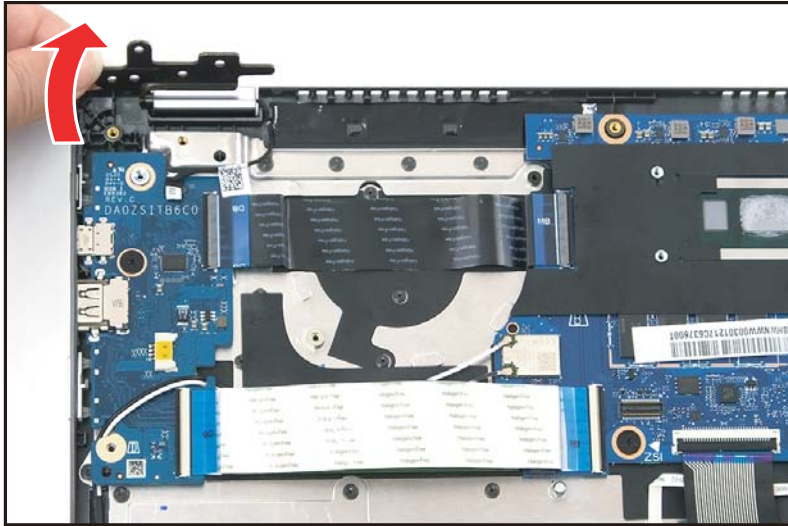


Figure 3-36. USB Board Removal

4. Disconnect the 40-pin USB board FFC (B) from the mainboard and USB board connectors ([Figure 3-37](#)).
5. Disconnect the 45-pin USB board FFC (C) from the mainboard and USB board connectors ([Figure 3-37](#)).
6. Disconnect the G-sensor cable from the mainboard connector (D) ([Figure 3-37](#)).
7. Remove one (1) screw (E) securing the USB board in place ([Figure 3-37](#)).

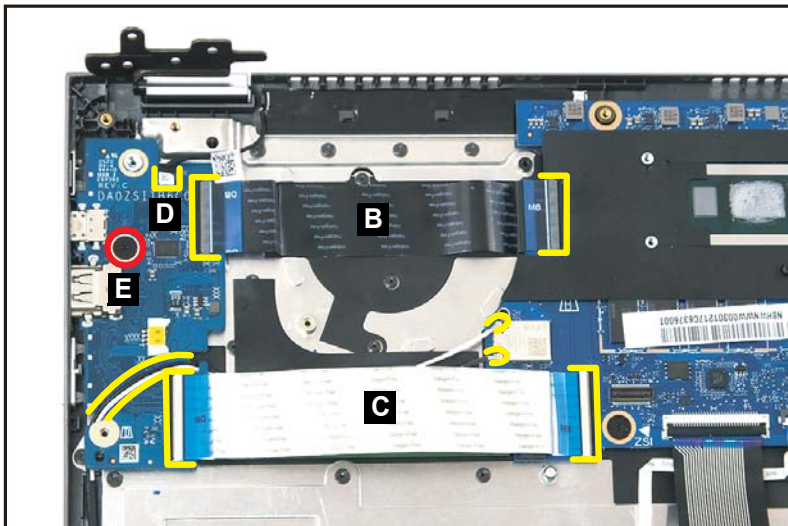


Figure 3-37. USB Board Removal

8. Release the USB board (F) from the USB port slot and guide pins (G) on the top assembly. Then remove the USB board (Figure 3-38).

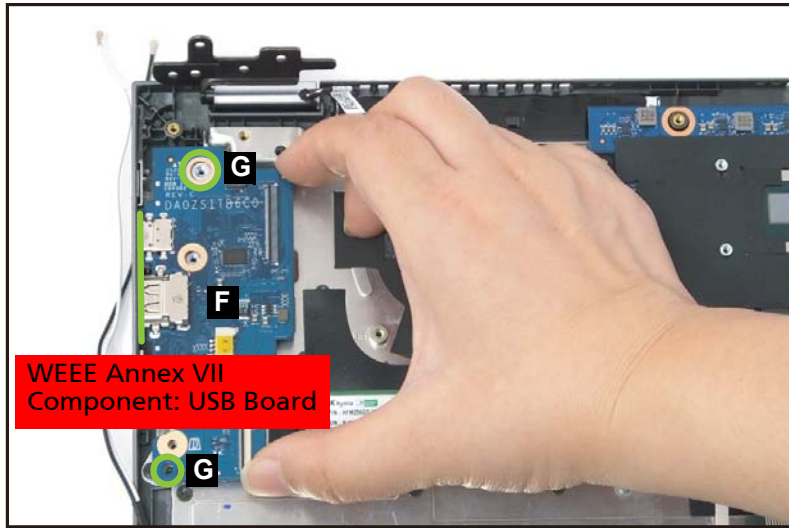


Figure 3-38. USB Board Removal

ID	Size	Torque	Quantity	Screw Type
A	M2.0*4.0	2.0+10%KGF/CM	2	
E	M2.0*2.5 (D7.0)	2.0+10%KGF/CM	1	

Mainboard Removal

Prerequisite:

[Fan Removal](#) and [SSD Module Removal](#)

1. Remove two (2) screws (A) securing the right side of LCD hinge in place ([Figure 3-39](#)).
2. Gently peel off the mylar (B) from the mainboard. While detaching the mylar, be careful to release it from the guide pins (C) ([Figure 3-39](#)).

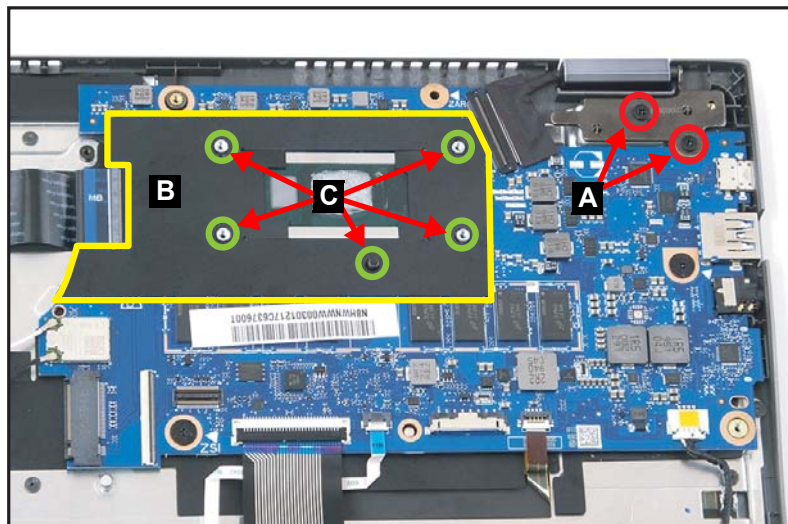


Figure 3-39. Mainboard Removal

3. Lift the top assembly until it is fully open ([Figure 3-40](#)).

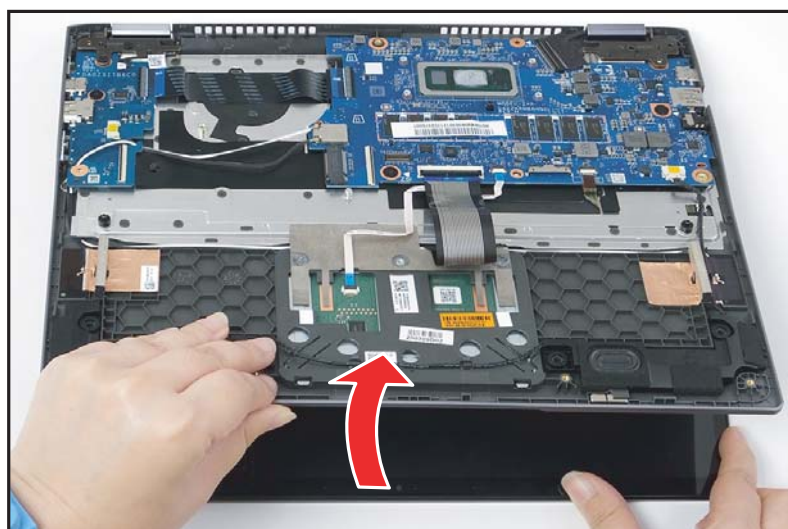


Figure 3-40. Mainboard Removal

4. Close the top assembly and lift the right side of LCD hinge until it is fully extended (Figure 3-41).

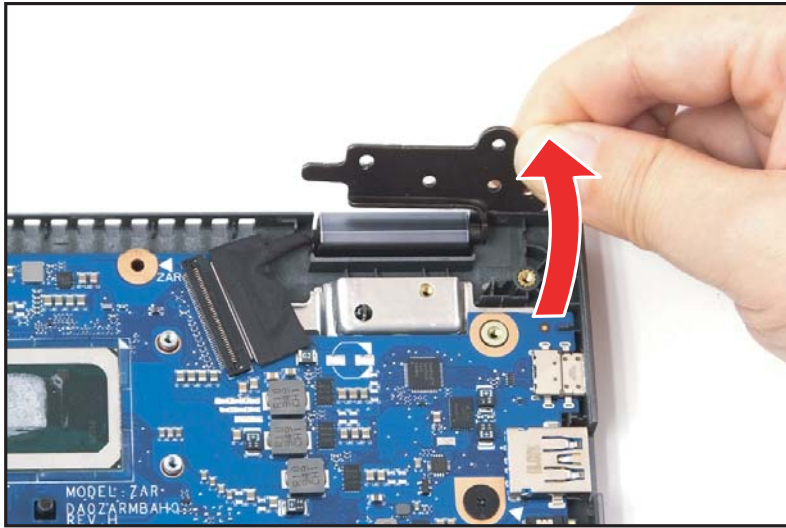


Figure 3-41. Mainboard Removal

5. Disconnect the 40-pin USB board FFC to the mainboard connector (D) (Figure 3-42).
6. Disconnect WLAN antennas cables from the WLAN module connectors (E) (Figure 3-42).
7. Disconnect the keyboard FPC from the mainboard connector (F) (Figure 3-42).
8. Disconnect the touchpad FFC from the mainboard connector (G) (Figure 3-42).
9. Disconnect the keyboard backlight FPC from the mainboard connector (H) (Figure 3-42).
10. Disconnect the speaker cable from the mainboard connector (I) (Figure 3-42).
11. Disconnect the eDP cable from the mainboard connector (J) (Figure 3-42).

⚠ CAUTION:

Make sure all cables, FFCs, and FPC are disconnected from the connectors on the mainboard to avoid damage during removal.

12. Remove two (2) screws (K) securing the mainboard in place (Figure 3-42).

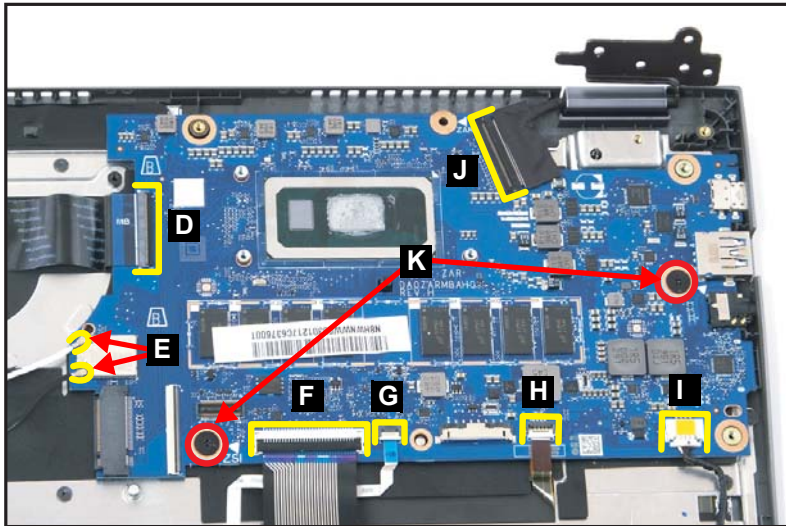


Figure 3-42. Mainboard Removal

13. Release the mainboard from the I/O ports slots and guide pins (L) on the top assembly. Then remove the mainboard (Figure 3-43).

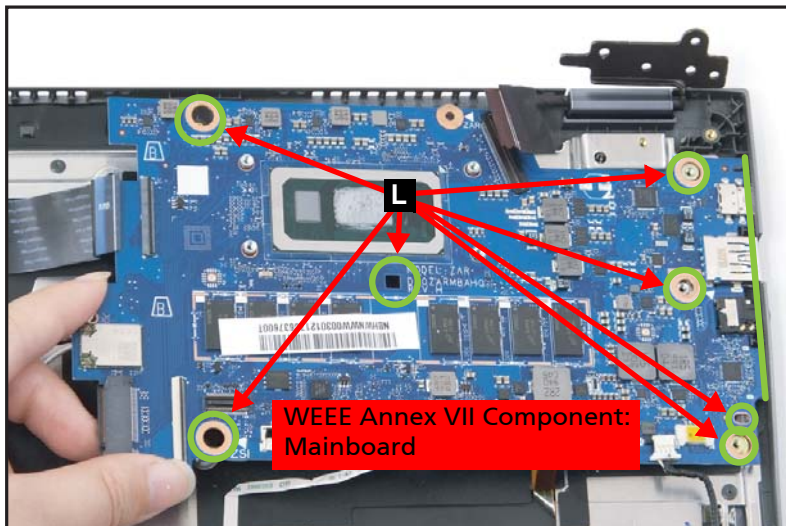


Figure 3-43. Mainboard Removal

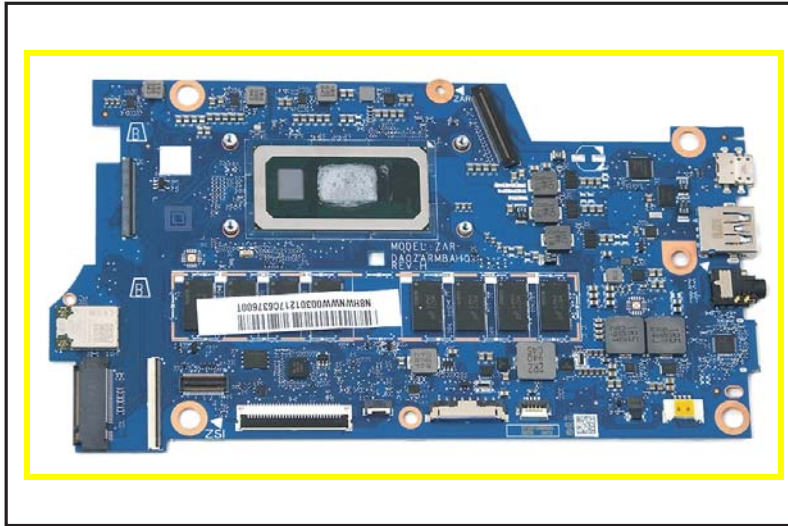




Figure 3-44. Mainboard

+ IMPORTANT:

Circuit boards >10 cm² have been highlighted with a yellow rectangle as shown in [Figure 3-44](#). Remove the circuit board and follow local regulations for disposal.

ID	Size	Torque	Quantity	Screw Type
A	M2.0*4.0	2.0+10%KGF/CM	2	
K	M2.0*2.5 (D7.0)	2.0+10%KGF/CM	2	

Top Assembly Removal

Prerequisite:

[USB Board Removal](#), [Mainboard Removal](#), [WLAN Antenna Removal](#), [Touchpad Module Removal](#), and [LCD Module Removal](#)

⇒ NOTE:

The keyboard is included as part of the top assembly and cannot be disassembled. In the event that the keyboard can no longer be used, replace the entire top assembly.



Figure 3-45. Top Assembly

LCD Module Disassembly Process

LCD Module Disassembly Flowchart

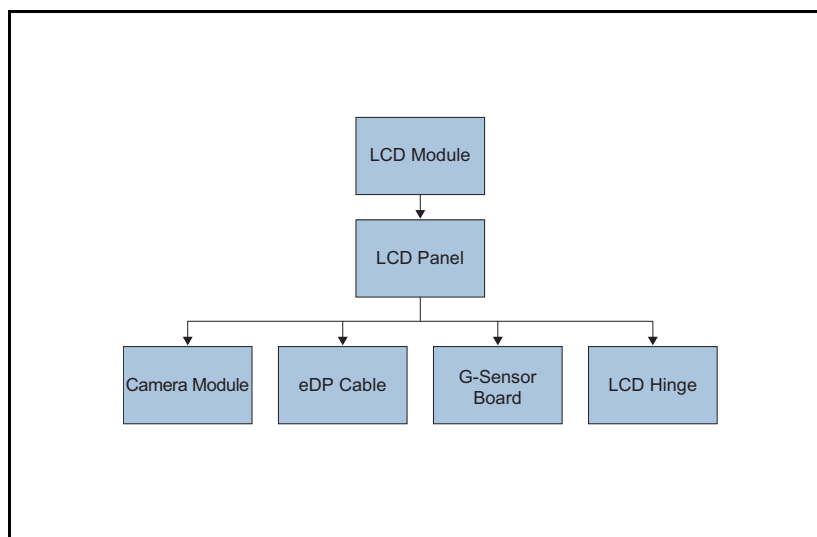


Table 3-3. LCD Module Screw List

Step	Size	Quantity	Acer Part No.
LCD Hinges Removal	M2.5*2.3	6	86.HQBN7.004

LCD Panel Removal

Prerequisite:

[LCD Module Removal](#)

1. Pry the LCD panel from the left side to release latches ([Figure 3-46](#)).

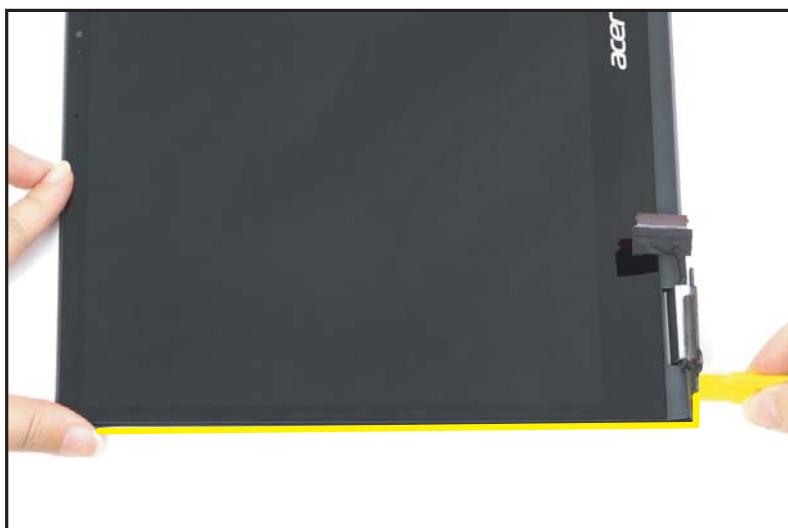


Figure 3-46. LCD Panel Removal

2. Continue along the upper side of the LCD panel ([Figure 3-47](#)).

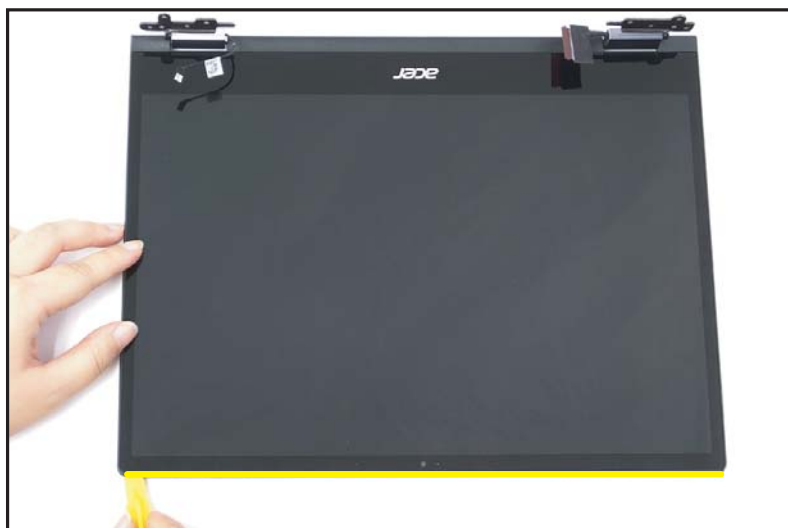


Figure 3-47. LCD Panel Removal

3. Continue along the right side of the LCD panel (Figure 3-48).



Figure 3-48. LCD Panel Removal

4. Carefully lift the LCD panel (A) (Figure 3-49).

⚠ CAUTION:

Do not remove the LCD panel yet because the eDP cable has not been released from the LCD hinges.



Figure 3-49. LCD Panel Removal

5. Release the eDP cable from the rubber (B) inside the left LCD hinge cap ([Figure 3-50](#)).

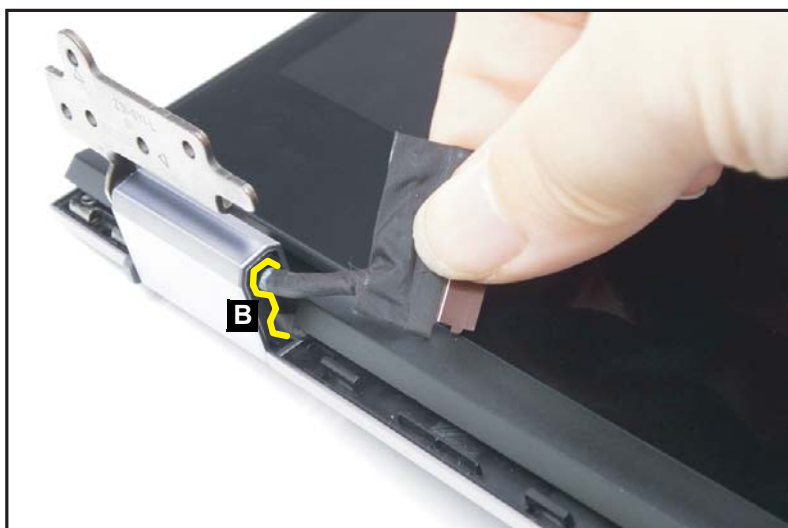


Figure 3-50. LCD Panel Removal

6. Remove the LCD panel.

Camera Module Removal

Prerequisite:

[LCD Panel Removal](#)

1. Find the camera module (A) on the LCD panel ([Figure 3-51](#)).



Figure 3-51. Camera Module Removal

2. Lift the camera module to release it from the guide pins (B). Then the camera module from the LCD panel ([Figure 3-52](#)).

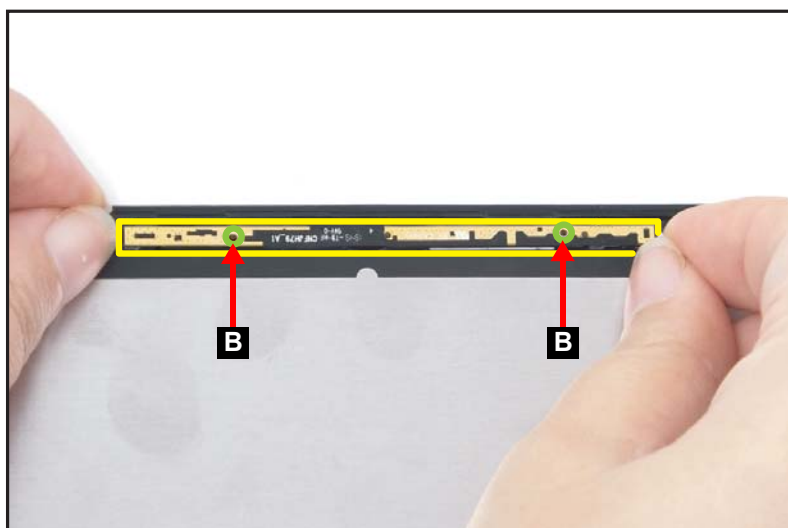


Figure 3-52. Camera Module Removal

3. Disconnect the eDP cable from the camera module connector (C) (Figure 3-53).

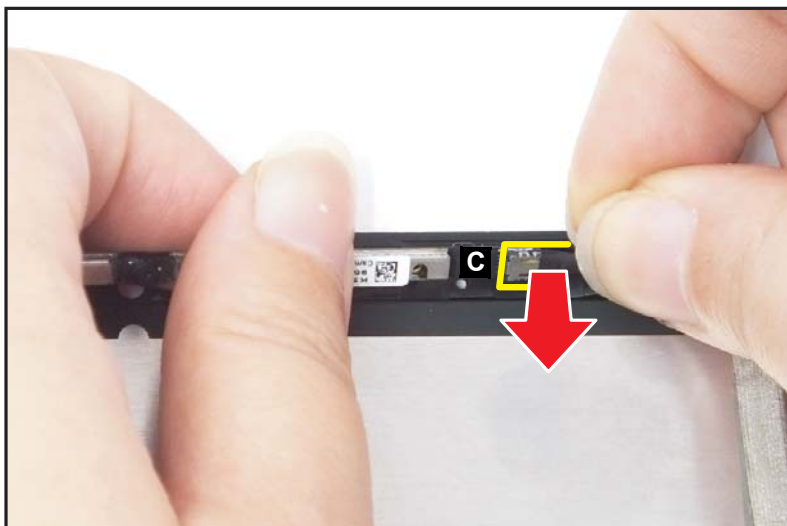


Figure 3-53. Camera Module Removal

eDP Cable Removal

Prerequisite:

[LCD Panel Removal](#)

⇒ NOTE:

The eDP cable includes the LCD panel cable, the camera cable, and the control board cable.

1. Lift the camera module to release it from the guide pins (A). Then the camera module from the LCD panel ([Figure 3-54](#)).

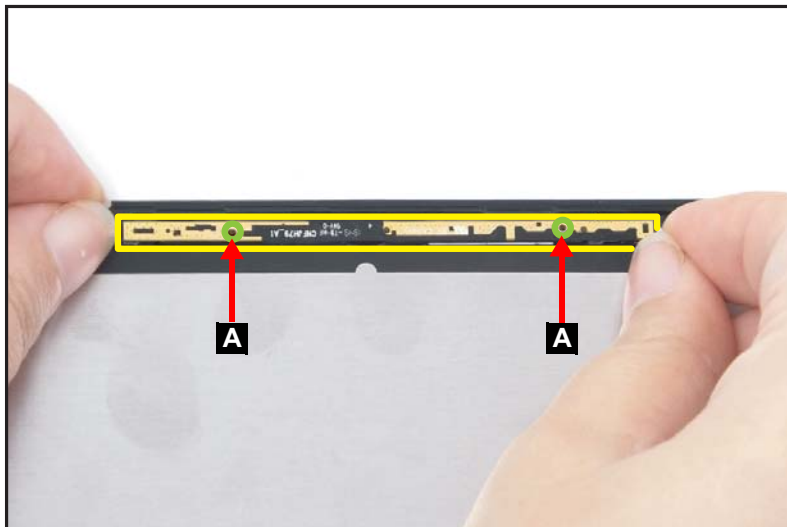


Figure 3-54. eDP Cable Removal

2. Unroute the eDP cable (B) from the cable guides (Figure 3-55).

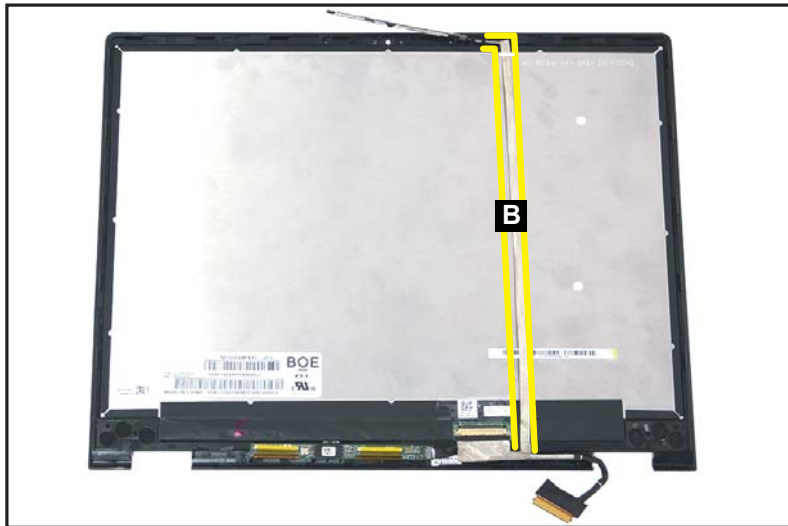


Figure 3-55. eDP Cable Removal

3. Detach the tape (C) securing the eDP cable to the control board (Figure 3-56).

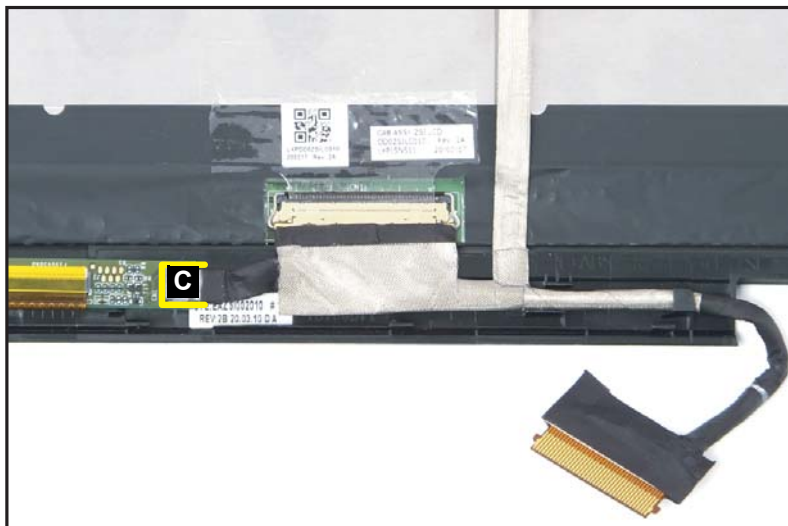


Figure 3-56. eDP Cable Removal

4. Disconnect the eDP cable from the control board connector (D) (Figure 3-57).



Figure 3-57. eDP Cable Removal

⇒ **NOTE:**

Use care not to damage the cable.

5. Detach the mylar tape (E) securing the eDP cable to the LCD panel (Figure 3-58).

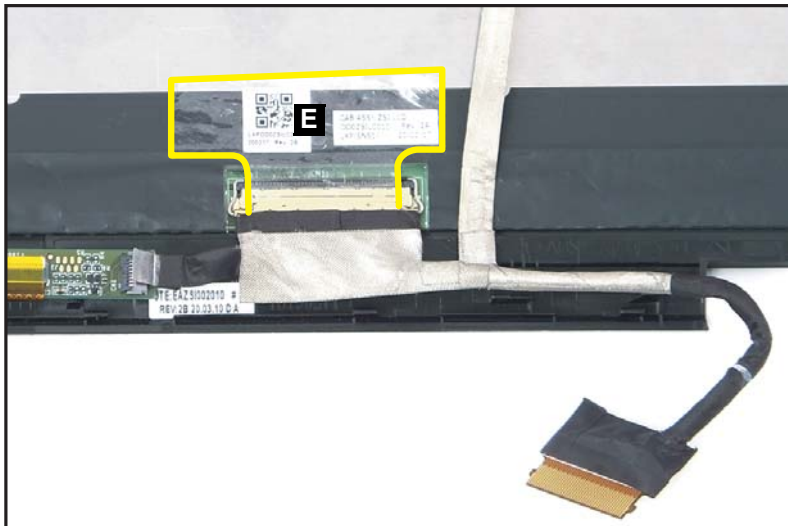


Figure 3-58. eDP Cable Removal

6. Lift the latch (F) securing the eDP cable ([Figure 3-59](#)).

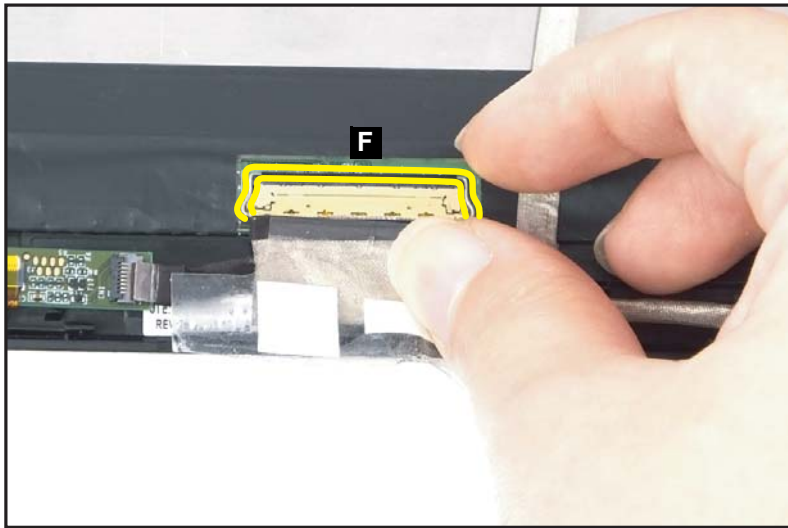


Figure 3-59. eDP Cable Removal

7. Disconnect the eDP cable from the LCD panel connector (G) ([Figure 3-60](#)).

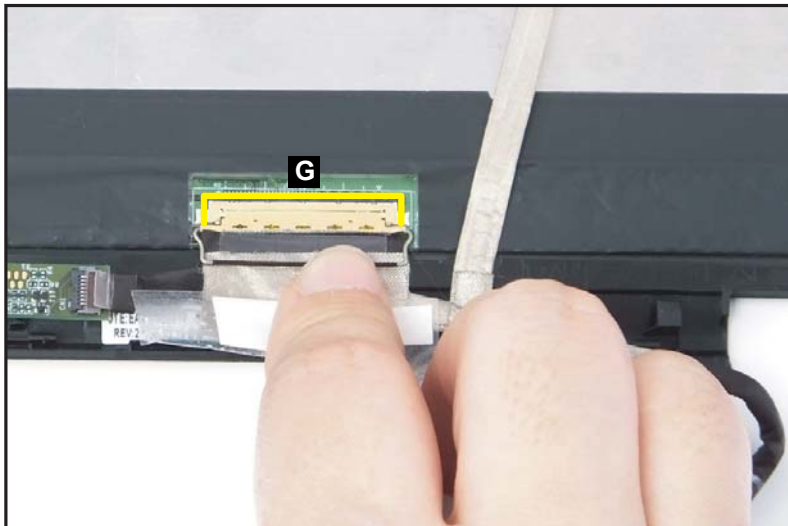


Figure 3-60. eDP Cable Removal

8. Disconnect the eDP cable from the camera module connector (H) and remove it from the LCD panel (Figure 3-61).

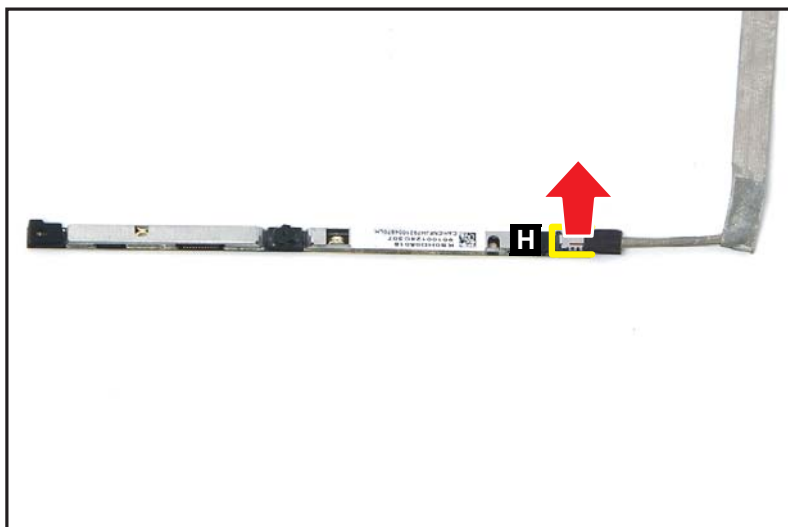


Figure 3-61. eDP Cable Removal

G-Sensor Board Removal

Prerequisite:

[LCD Panel Removal](#)

1. Find the G-sensor board (A) on the LCD cover ([Figure 3-62](#)).



Figure 3-62. G-Sensor Board Removal

2. Release the G-sensor cable from the rubber (B) inside the right LCD hinge cap. Then unroute the cable from the cable guide (C) ([Figure 3-63](#)).

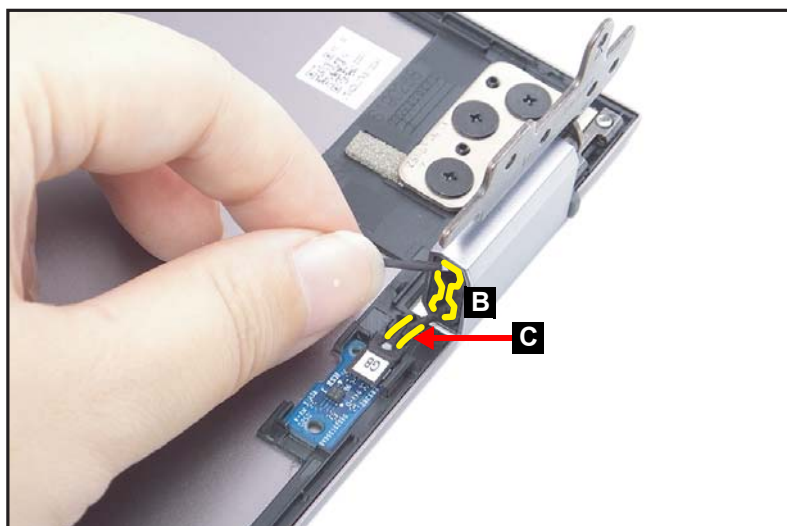


Figure 3-63. G-Sensor Board Removal

3. Detach the tape (D) securing the G-sensor cable to the G-sensor board (Figure 3-64).

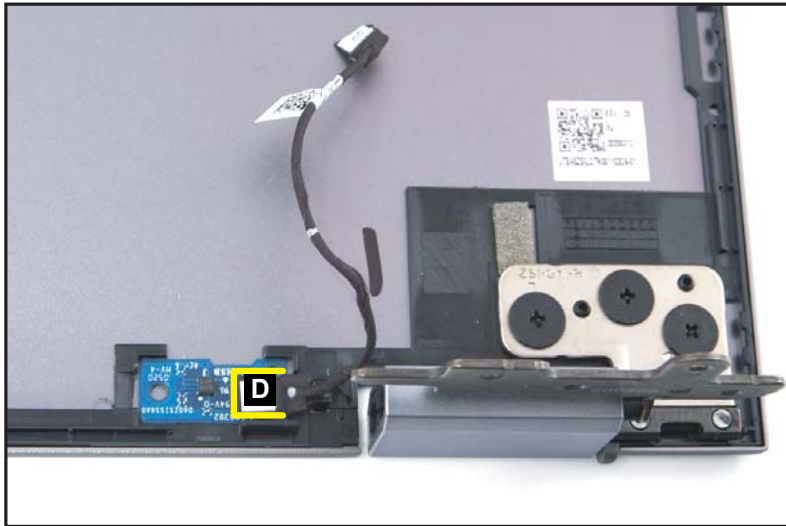


Figure 3-64. G-Sensor Board Removal

4. Disconnect the G-sensor cable from the G-sensor board connector (E) (Figure 3-65).

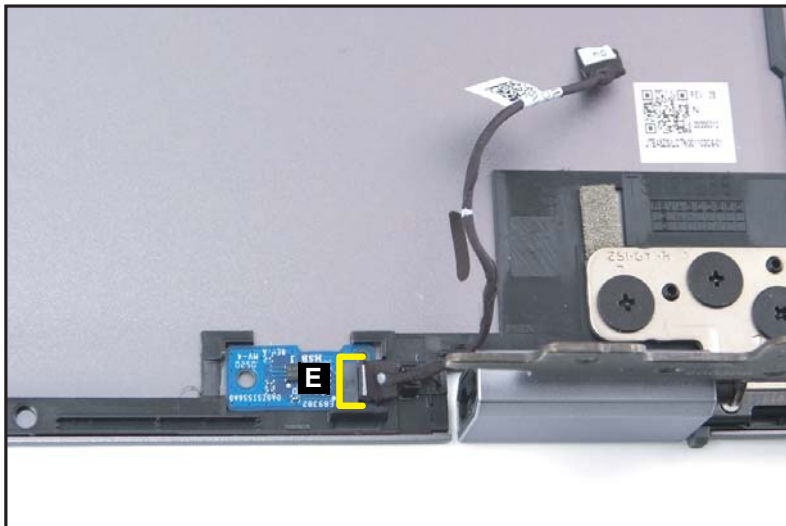


Figure 3-65. G-Sensor Board Removal

5. Remove the G-sensor board from the LCD cover (Figure 3-66).



Figure 3-66. G-Sensor Board Removal

LCD Hinges Removal

Prerequisite:

[LCD Panel Removal](#)

1. Release the G-sensor cable from the rubber (A) inside the right LCD hinge cap. Then unroute the cable from the cable guide (B) ([Figure 3-67](#)).

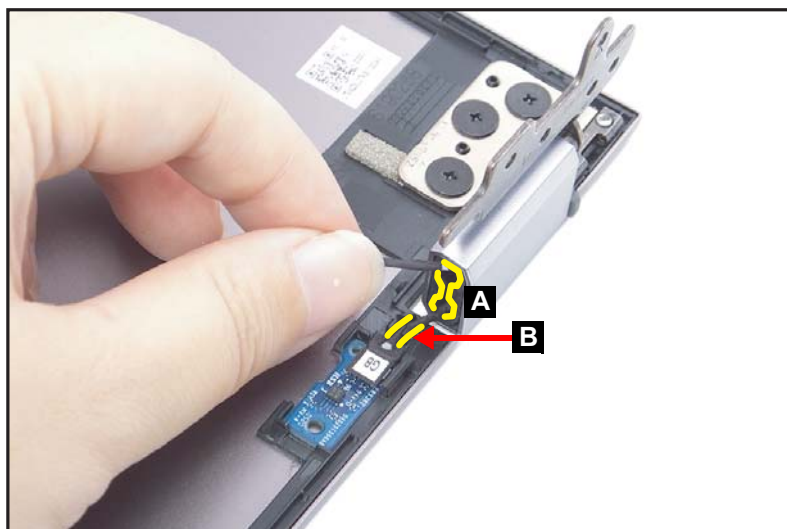


Figure 3-67. LCD Hinges Removal

2. Remove six (6) screws securing the LCD hinges in place ([Figure 3-68](#)).

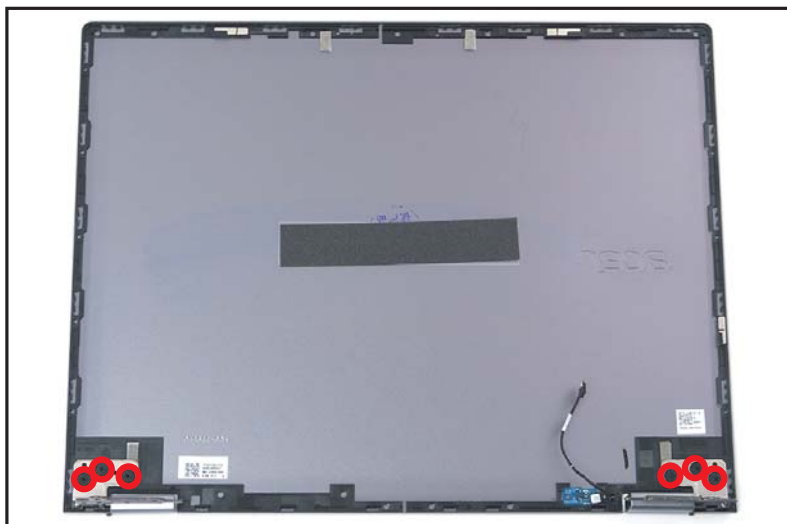


Figure 3-68. LCD Hinges Removal

3. Remove the LCD hinges (C) from the LCD cover (Figure 3-69).

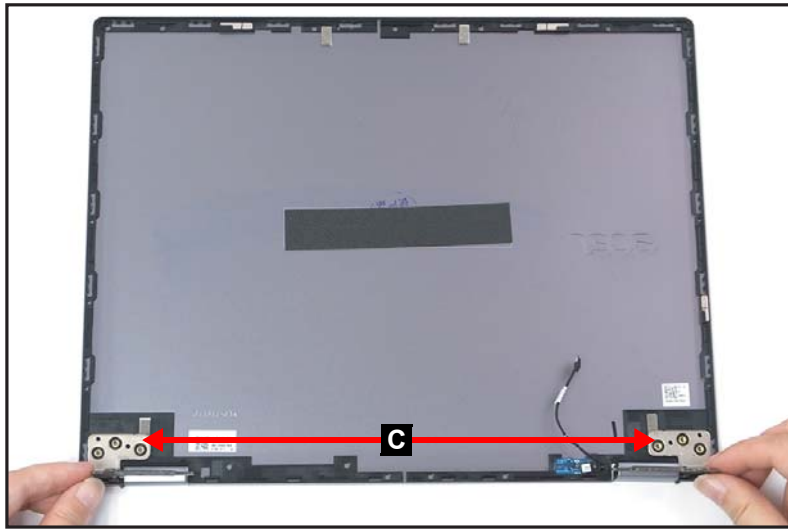



Figure 3-69. LCD Hinges Removal

ID	Size	Torque	Quantity	Screw Type
Red Call Out	M2.5*2.3	3.0+15%KGF/CM	6	

LCD Module Reassembly Process

Replacing the LCD Hinges

1. Place the left and right LCD hinges (A) on the LCD cover ([Figure 3-70](#)).

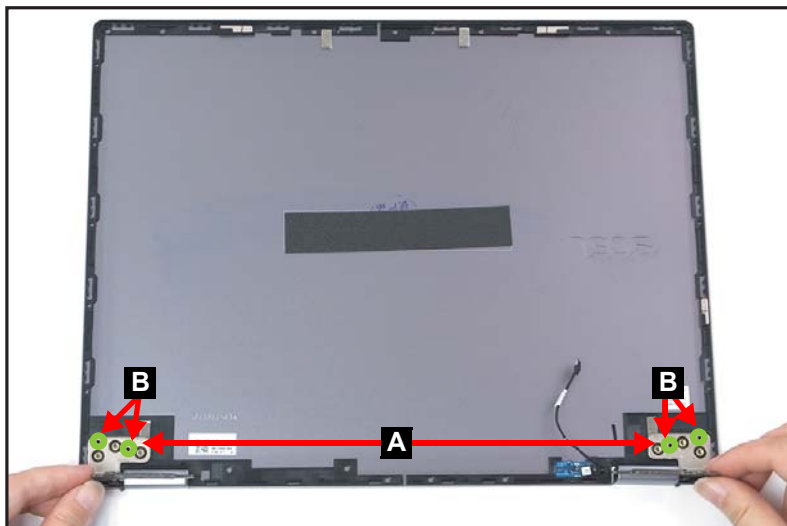


Figure 3-70. Replacing the LCD Hinges

+ **IMPORTANT:**

When installing the LCD hinges, make sure they are properly aligned with the guide pins (B) and placed onto their designated locations as shown in [Figure 3-70](#).

2. Install six (6) screws to secure the LCD hinges in place (Figure 3-71).



Figure 3-71. Replacing the LCD Hinges

3. Route the G-sensor cable through the cable guide (C). Then place and secure the G-sensor cable into the rubber (D) inside the right LCD hinge cap (Figure 3-72).

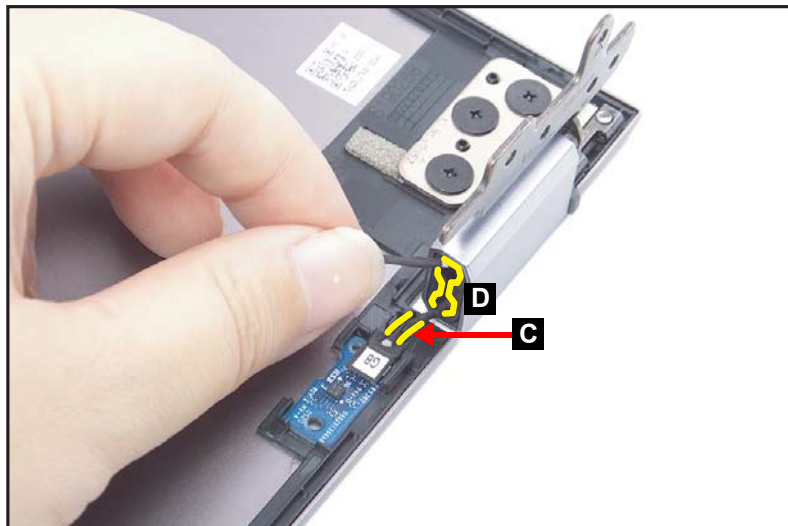



Figure 3-72. Replacing the LCD Hinges

ID	Size	Torque	Quantity	Screw Type
Red Call Out	M2.5*2.3	3.0+15%KGF/CM	6	

Replacing the G-Sensor Board

1. Place the G-sensor board onto its compartment on the LCD cover. Make sure the aperture on the G-sensor board is aligned with the green indicators on the LCD cover as shown in [Figure 3-73](#).



Figure 3-73. Replacing the G-Sensor Board

2. Connect the G-sensor cable to the G-sensor board connector (A) ([Figure 3-74](#)).

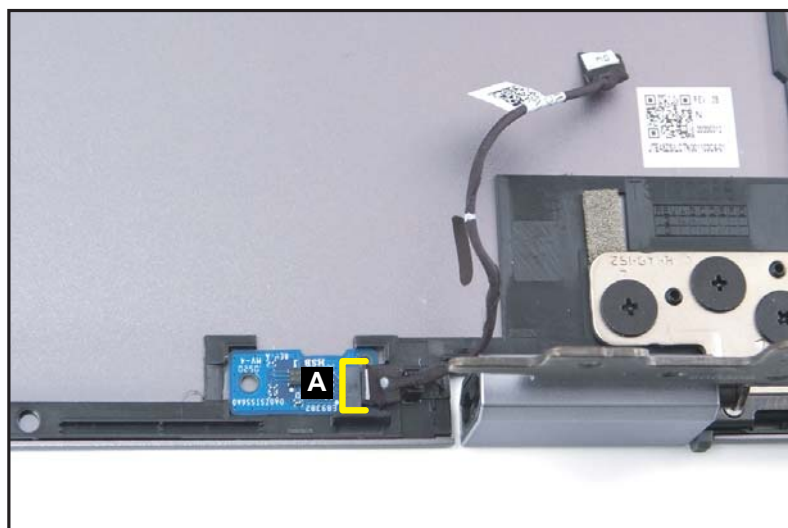


Figure 3-74. Replacing the G-Sensor Board

3. Attach the tape (B) to secure the G-sensor cable in place (Figure 3-75).

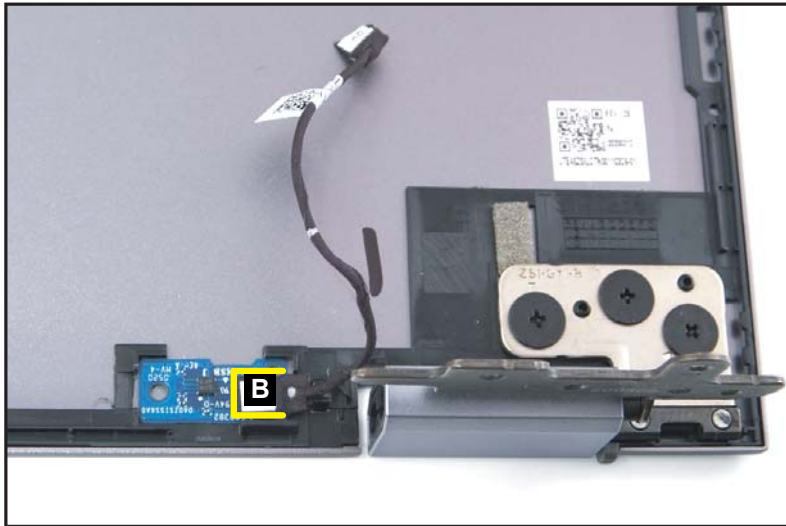


Figure 3-75. Replacing the G-Sensor Board

4. Route the G-sensor cable through the cable guide (C). Then place and secure the G-sensor cable into the rubber (D) inside the right LCD hinge cap (Figure 3-76).

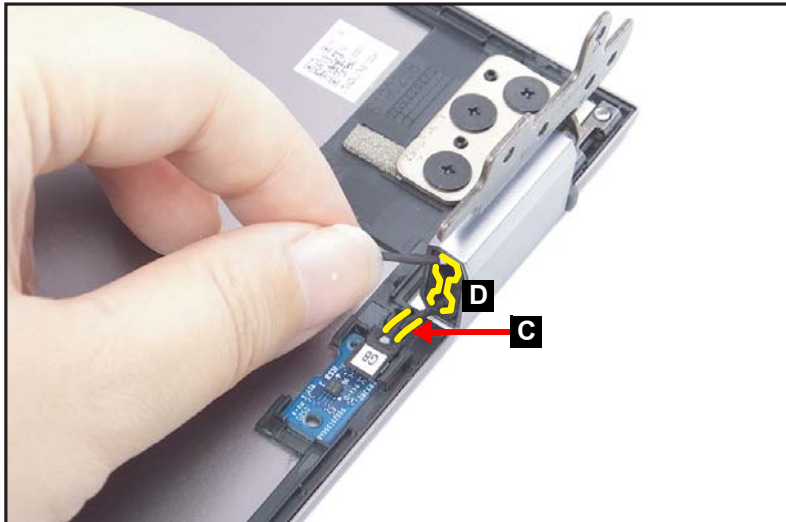


Figure 3-76. Replacing the G-Sensor Board

Replacing the eDP Cable

⇒ **NOTE:**

The eDP cable includes the LCD panel cable, the camera cable, and the control board cable.

1. Connect the eDP cable to the camera module connector (A) (Figure 3-77).

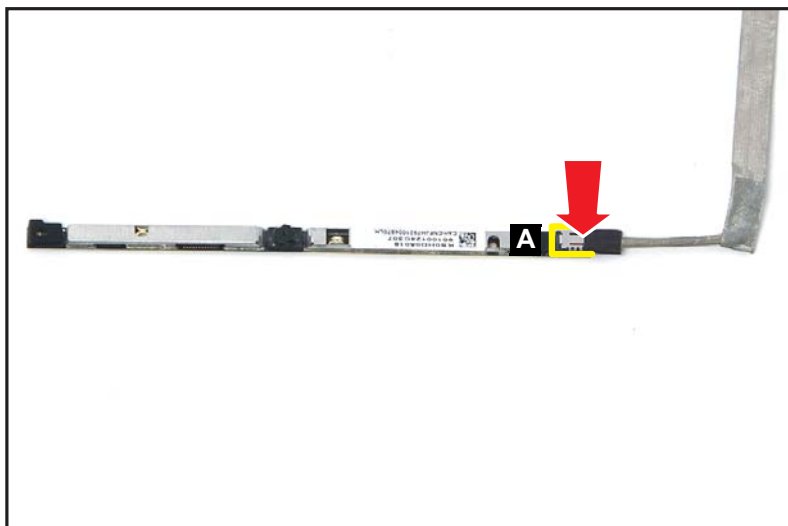


Figure 3-77. Replacing the eDP Cable

2. Align and install the camera module (B) to its compartment on the LCD cover (Figure 3-78).

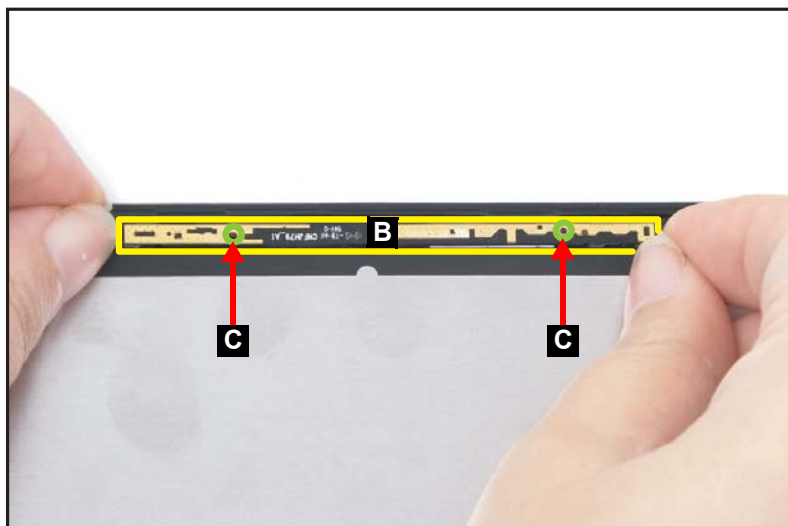


Figure 3-78. Replacing the eDP Cable

+ **IMPORTANT:**

When installing the camera module, make sure it is properly aligned with the guide pins (C) and placed onto its designated location as shown in [Figure 3-78](#).

3. Connect the eDP cable to the LCD panel connector (D) ([Figure 3-79](#)).

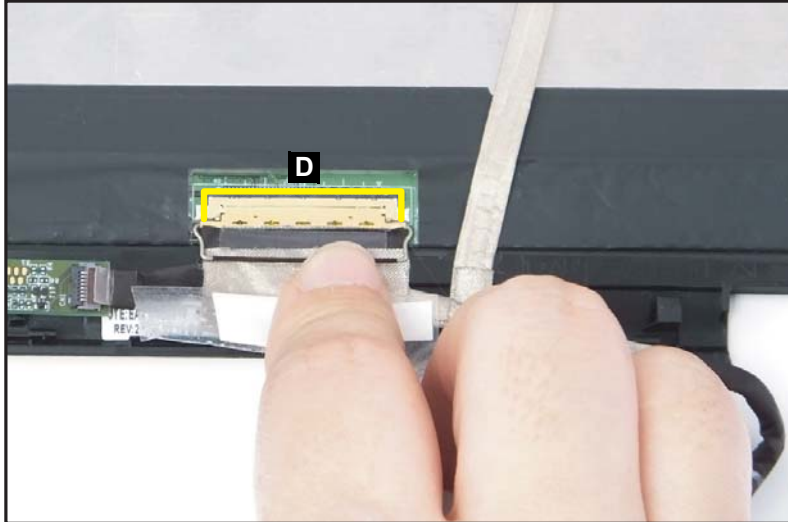


Figure 3-79. Replacing the eDP Cable

4. Push the latch (E) down to secure the eDP cable in place ([Figure 3-80](#)).

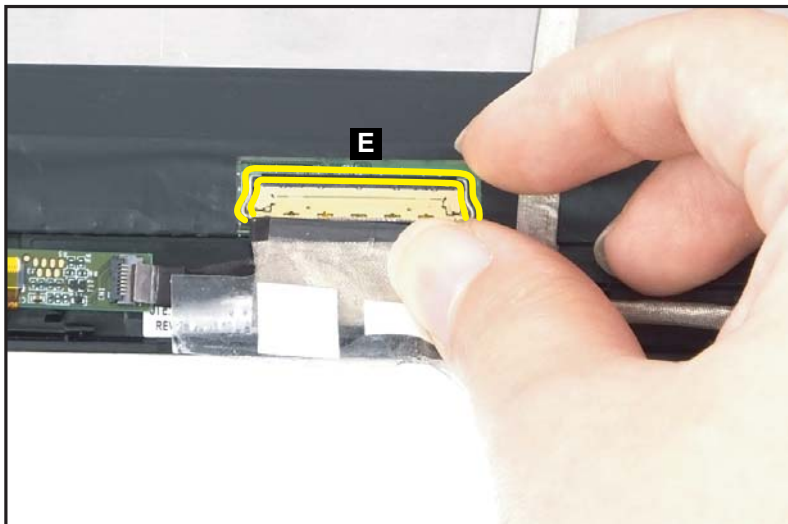


Figure 3-80. Replacing the eDP Cable

5. Adhere the mylar tape (F) to secure the eDP cable to the LCD panel ([Figure 3-81](#)).

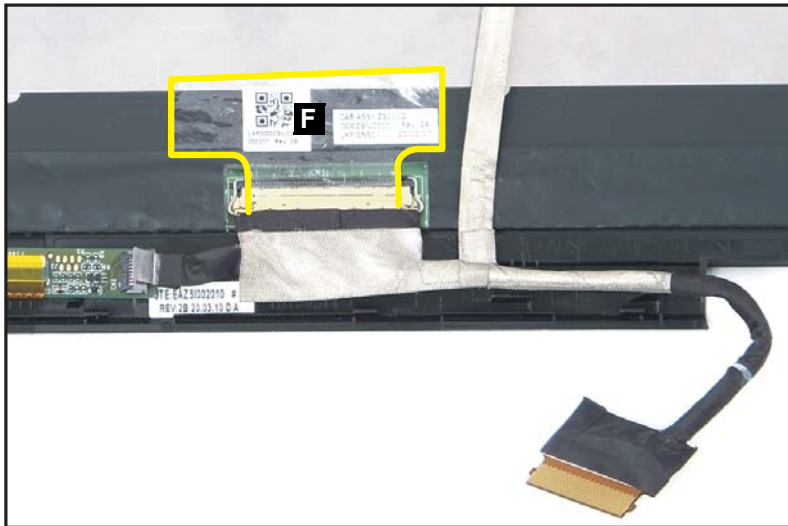


Figure 3-81. Replacing the eDP Cable

6. Connect the eDP cable to the control board connector (G) ([Figure 3-82](#)).



Figure 3-82. Replacing the eDP Cable

7. Attach the tape (H) to secure the eDP cable in place (Figure 3-83).

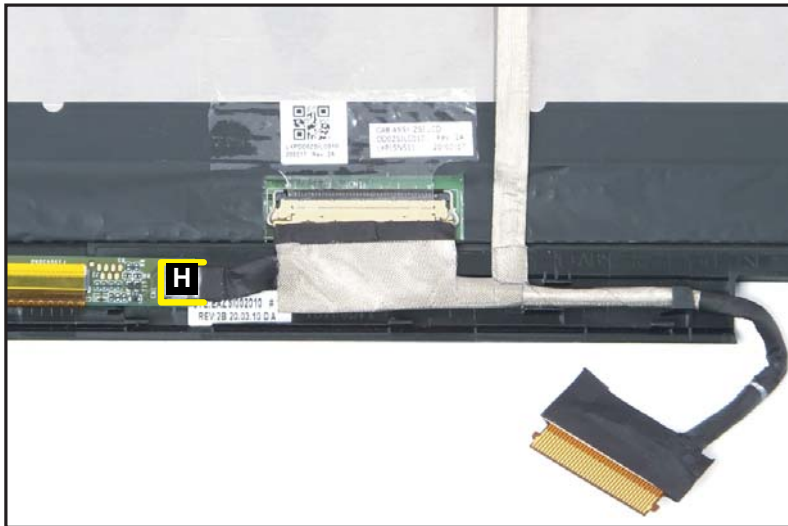


Figure 3-83. Replacing the eDP Cable

8. Starting from the upper side of the LCD panel, attach the eDP cable along the designated route (the white line marked on the LCD panel). When reaching at the bottom part (the LCD bezel area), make sure the eDP cable is properly aligned with the green line (I) as shown in Figure 3-84.

⚠ CAUTION:

Make sure the eDP cable is secured in the cable guides to avoid damage to the cable.



Figure 3-84. Replacing the eDP Cable

Replacing the Camera Module

1. Connect the eDP cable to the camera module connector (A) ([Figure 3-85](#)).

⇒ **NOTE:**

Use care not to damage the cable. Please take note that the eDP cable includes the LCD panel cable, the camera cable, and the control board cable.

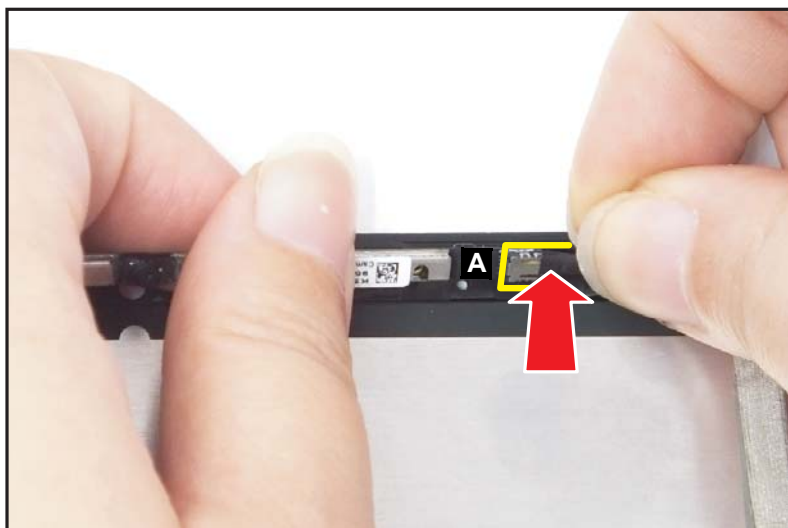


Figure 3-85. Replacing the Camera Module

2. Align and install the camera module (B) to its compartment on the LCD cover ([Figure 3-86](#)).

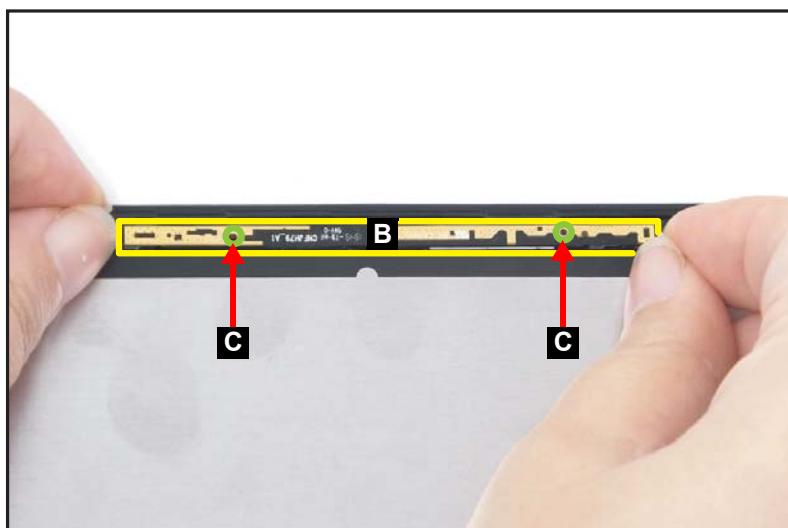


Figure 3-86. Replacing the Camera Module

+ **IMPORTANT:**

When installing the camera module, make sure it is properly aligned with the guide pins (C) and placed onto its designated location as shown in [Figure 3-86](#).

Replacing the LCD Panel

1. Place and secure the eDP cable into the rubber (A) inside the left LCD hinge cap (Figure 3-87).



Figure 3-87. Replacing the LCD Panel

2. Install the LCD panel (B) by aligning the hinge caps (C) onto their respective slots on the bottom side of the LCD cover, and then press the caps firmly to secure the latches to the LCD cover (Figure 3-88).

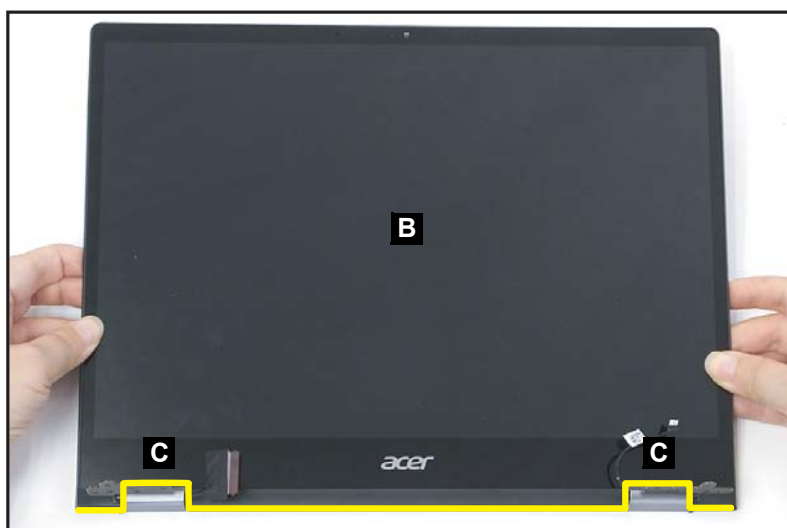


Figure 3-88. Replacing the LCD Panel

3. Start pressing along the bottom side (D) of the LCD panel to secure the latches to the LCD cover (Figure 3-89).
4. Continue pressing upward along the left and right sides (E) of the LCD panel to engage the latches (Figure 3-89).
5. Finally, press along the upper side (F) of the LCD panel to fully secure the bezel to the LCD cover (Figure 3-89).

⇒ **NOTE:**

When pressing on the latches, make sure to follow the direction of the arrows (Figure 3-89).

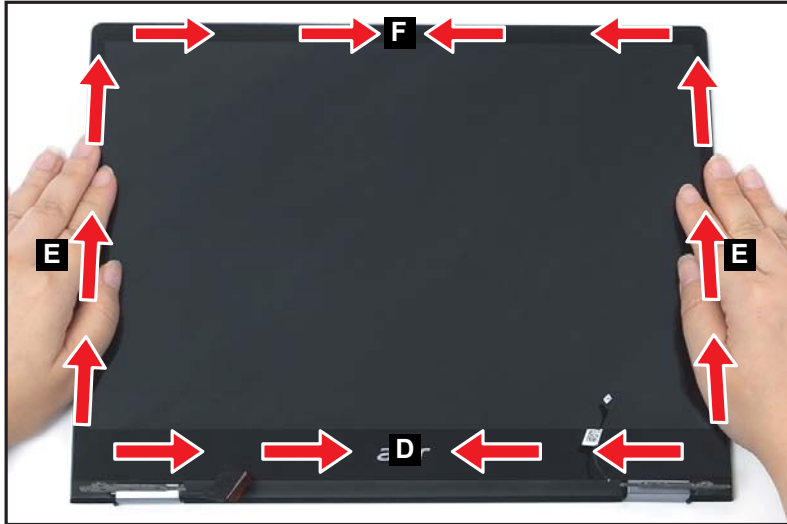


Figure 3-89. Replacing the LCD Panel

Main Unit Reassembly Process

Replacing the Top Assembly

⇒ **NOTE:**

The keyboard is included as part of the top assembly and cannot be disassembled. In the event that the keyboard can no longer be used, replace the entire top assembly.



Figure 3-90. Top Assembly

Replacing the Mainboard

1. Install the mainboard by aligning and inserting its I/O ports into their slots on the top assembly (Figure 3-91).

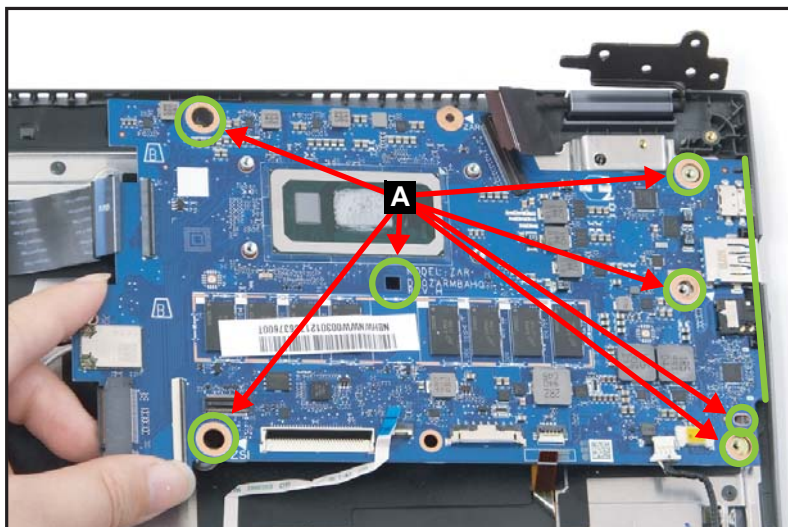


Figure 3-91. Replacing the Mainboard

+ **IMPORTANT:**

When installing the mainboard, make sure it is properly aligned with the guide pins (A) and placed onto its designated location as shown in Figure 3-91.

⚠ CAUTION:

Make sure all cables, FFCs, and FPCs are moved away from the mainboard during installation.

2. Install two (2) screws (B) to secure the mainboard in place (Figure 3-92).
3. Connect the 40-pin USB board FFC to the mainboard connector (C) (Figure 3-92).
4. Connect the WLAN antennas cables from the WLAN module connectors (D) (Figure 3-92).
5. Connect the keyboard FPC to the mainboard connector (E) (Figure 3-92).
6. Connect the touchpad FFC to the mainboard connector (F) (Figure 3-92).
7. Connect the keyboard backlight FPC to the mainboard connector (G) (Figure 3-92).
8. Connect the speaker cable to the mainboard connector (H) (Figure 3-92).

9. Connect the eDP cable to the mainboard connector (I) (Figure 3-92).

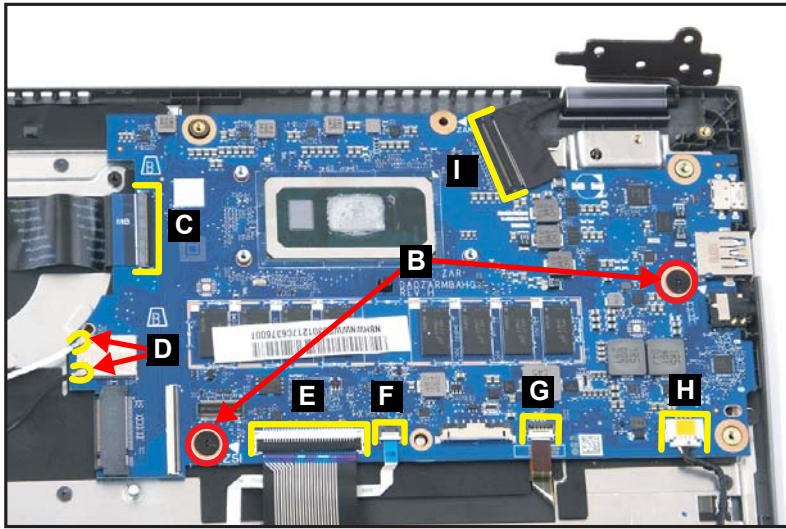


Figure 3-92. Replacing the Mainboard

10. Close the right side of LCD hinge until it is fully seated in place (Figure 3-93).

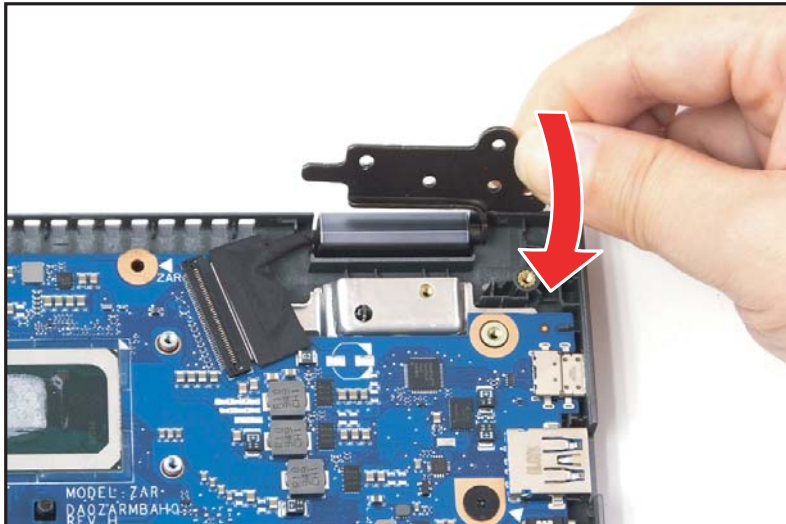


Figure 3-93. Replacing the Mainboard

11. Attach the mylar (J) onto the mainboard (Figure 3-94).

+ **IMPORTANT:**

When attaching the mylar, make sure it is properly aligned with the guide pins (K) and placed onto its designated location as shown in Figure 3-94.

12. Install and secure two (2) screws (L) to the right side of LCD hinge (Figure 3-94).

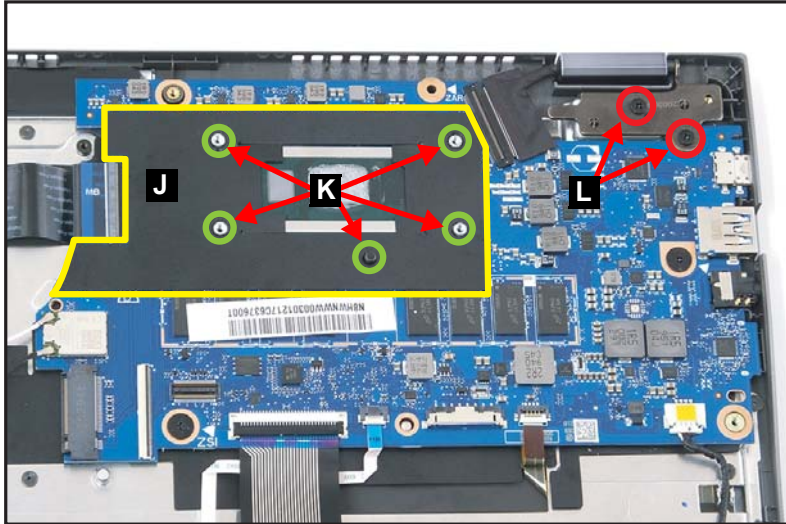




Figure 3-94. Replacing the Mainboard

ID	Size	Torque	Quantity	Screw Type
B	M2.0*2.5 (D7.0)	2.0+10%KGF/CM	2	
L	M2.0*4.0	2.0+10%KGF/CM	2	

Replacing the USB Board

1. Place the USB board (A) to its compartment on the top assembly. Make sure the guide pins (B) and USB port slot are properly aligned ([Figure 3-95](#)).

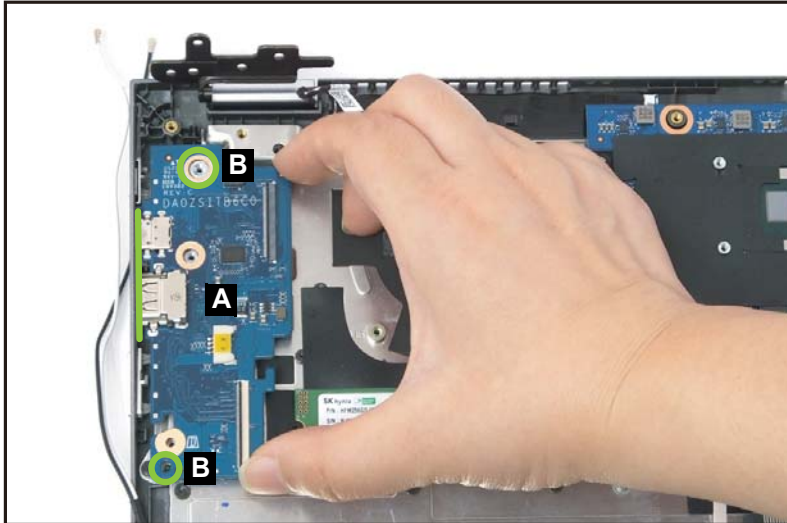


Figure 3-95. Replacing the USB Board

2. Install one (1) screw (C) to secure the USB board in place ([Figure 3-96](#)).
3. Connect the G-sensor cable to the mainboard connector (D) ([Figure 3-96](#)).
4. Connect the 40-pin USB board FFC (E) to the mainboard and USB board connectors ([Figure 3-96](#)).
5. Connect the 45-pin USB board FFC (F) to the mainboard and USB board connectors ([Figure 3-96](#)).

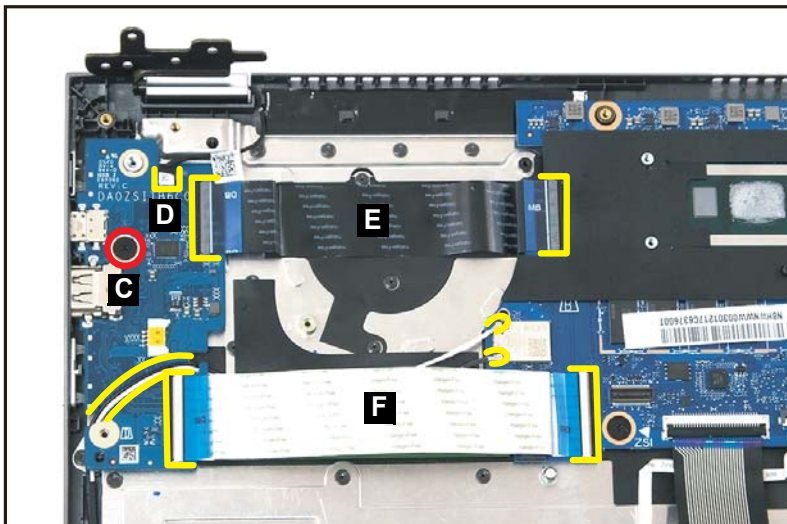


Figure 3-96. Replacing the USB Board

6. Close the left side of LCD hinge until it is fully seated in place (Figure 3-97).

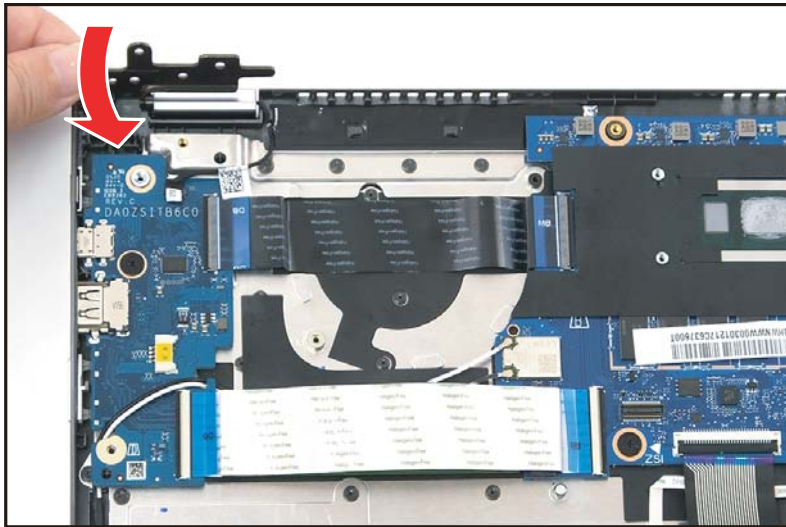


Figure 3-97. Replacing the USB Board

7. Install and secure two (2) screws (G) to the left side of LCD hinge (Figure 3-98).

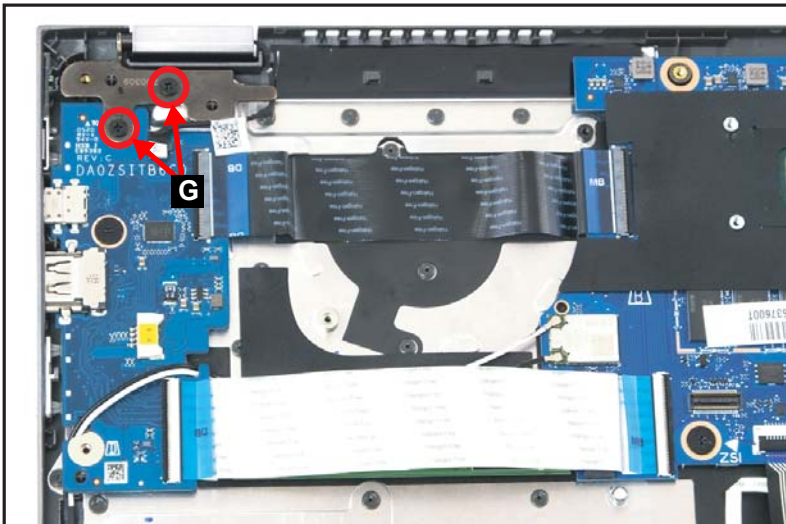




Figure 3-98. Replacing the USB Board

ID	Size	Torque	Quantity	Screw Type
C	M2.0*2.5 (D7.0)	2.0+10%KGF/CM	1	
G	M2.0*4.0	2.0+10%KGF/CM	2	

Replacing the WLAN Antenna

1. Place the AUX antenna to the right side of the top assembly. Make sure the antenna PCB circuit area is properly seated and placed onto its compartment highlighted by a green rectangle as shown in [Figure 3-114](#).
2. Adhere the grounding foil of the AUX antenna as marked in yellow ([Figure 3-114](#)).

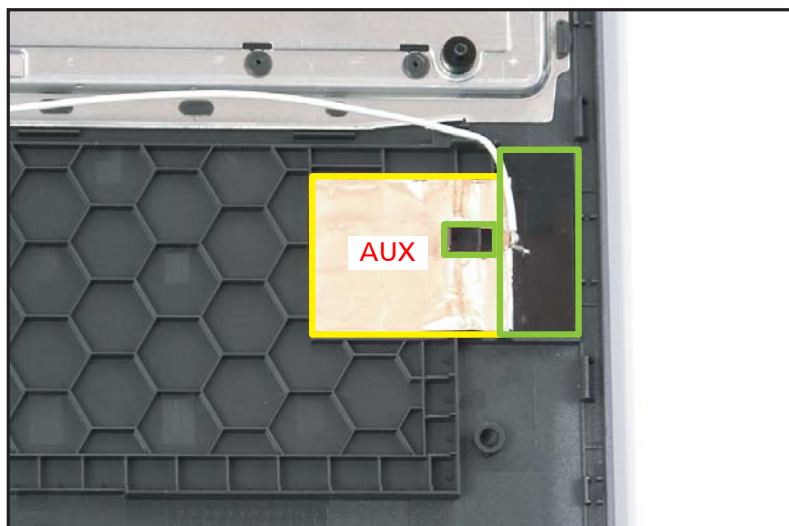


Figure 3-99. Replacing the WLAN Antenna

3. Place and attach the side gasket (A) onto its slot on the top assembly ([Figure 3-100](#)).

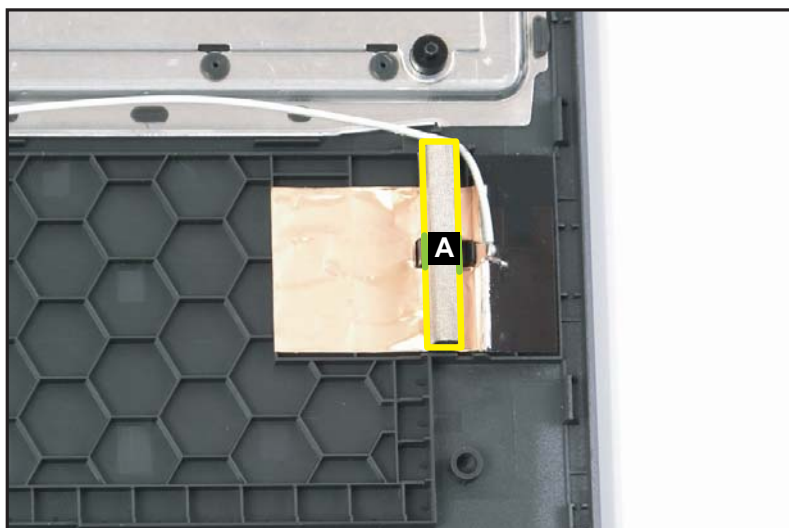


Figure 3-100. Replacing the WLAN Antenna

4. Place the MAIN antenna to the left side of the top assembly. Make sure the antenna PCB circuit area is properly seated and placed onto its compartment highlighted by a green rectangle as shown in [Figure 3-101](#).
5. Adhere the grounding foil of the MAIN antenna as marked in yellow ([Figure 3-101](#)).

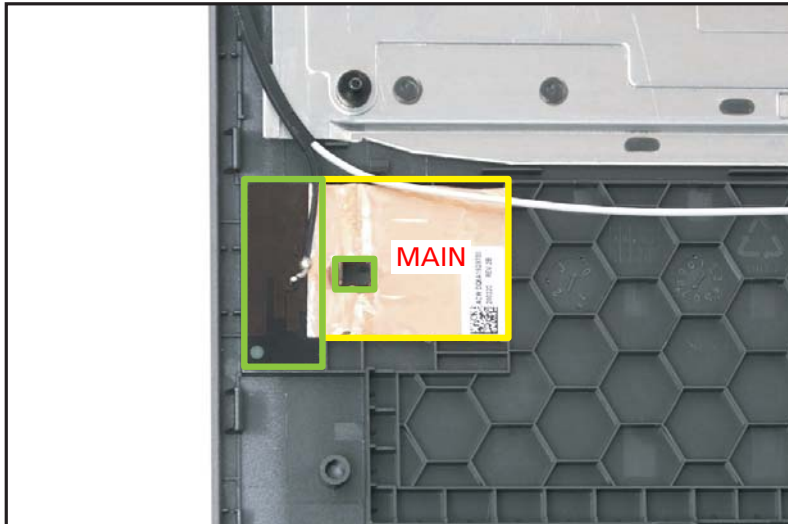


Figure 3-101. Replacing the WLAN Antenna

6. Place and attach the side gasket (B) onto its slot on the top assembly ([Figure 3-102](#))

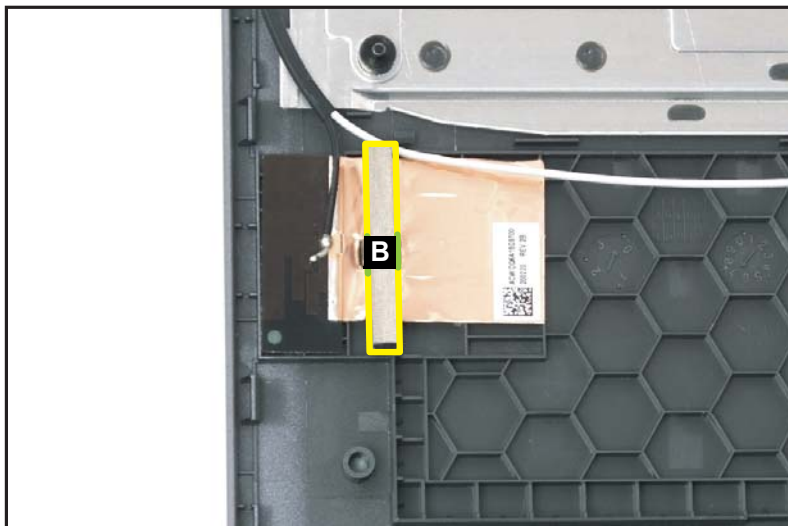


Figure 3-102. Replacing the WLAN Antenna

7. Lift the keyboard FPC (C) and route the WLAN antennas cables through the cable guides (Figure 3-103).

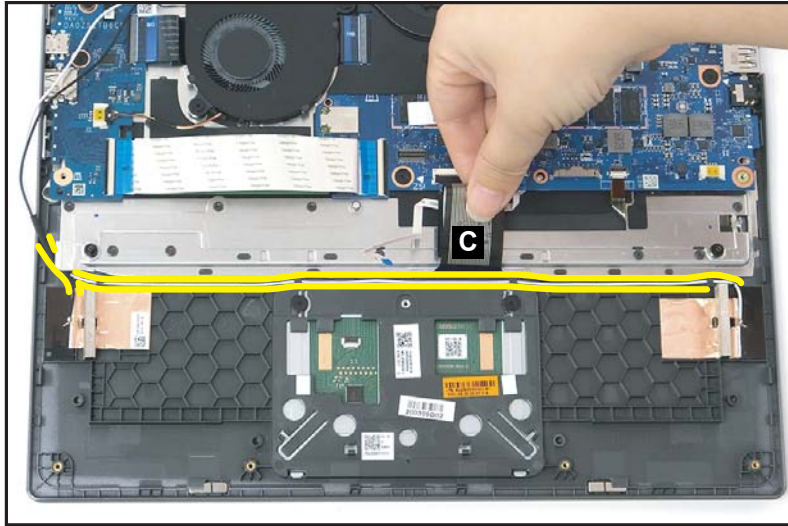


Figure 3-103. Replacing the WLAN Antenna

8. Continue to route the WLAN antennas cables through the cable guides and connect the WLAN antennas cables to the WLAN module connectors (D) (Figure 3-104).

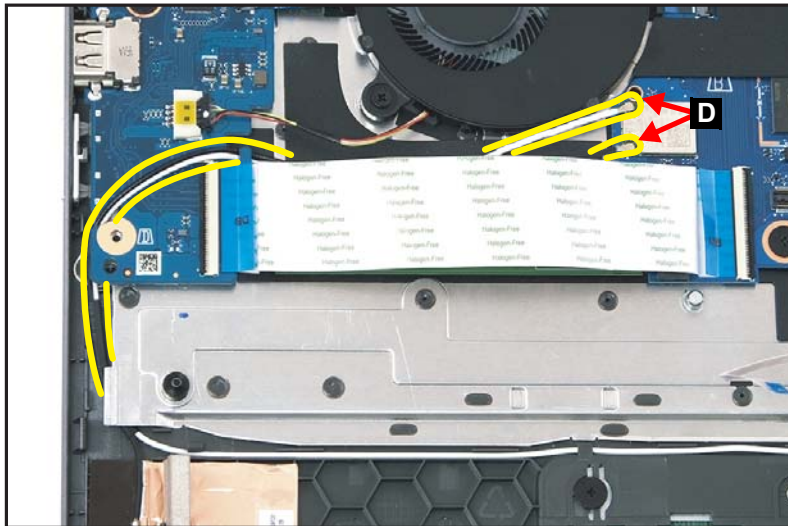


Figure 3-104. Replacing the WLAN Antenna

9. Attach the conductive tape (E) onto the touchpad module and top assembly (Figure 3-105).

+ **IMPORTANT:**

When attaching the tape, make sure it is properly aligned with the screws and screw hole (F) and placed onto its designated location as shown in Figure 3-105.

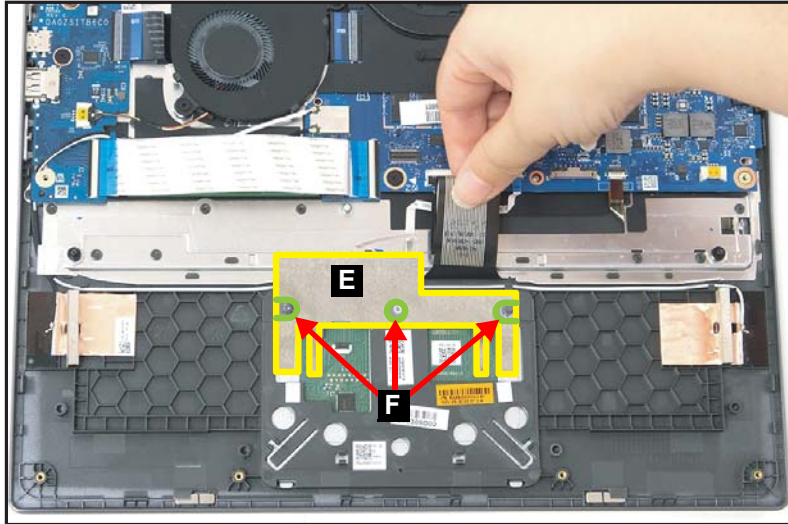


Figure 3-105. Replacing the WLAN Antenna

10. Connect the touchpad FFC to the touchpad connector (G) (Figure 3-106).

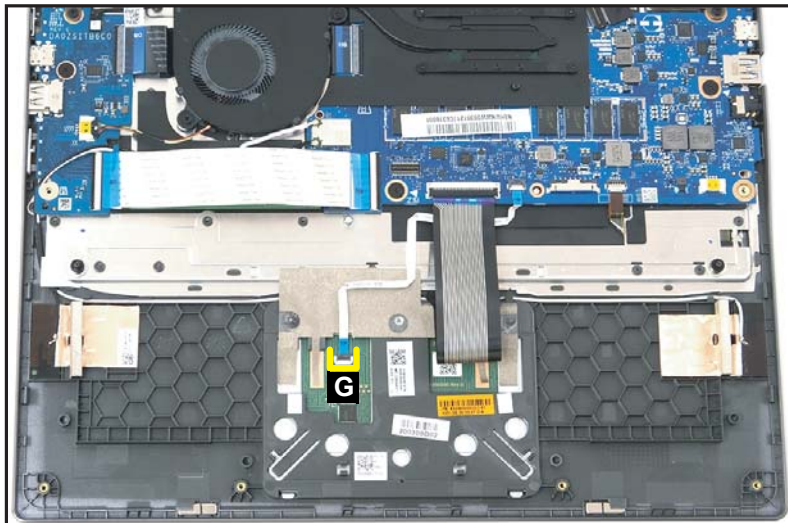


Figure 3-106. Replacing the WLAN Antenna

Replacing the Fan

1. Place the fan (A) onto its compartment on the top assembly (Figure 3-107).

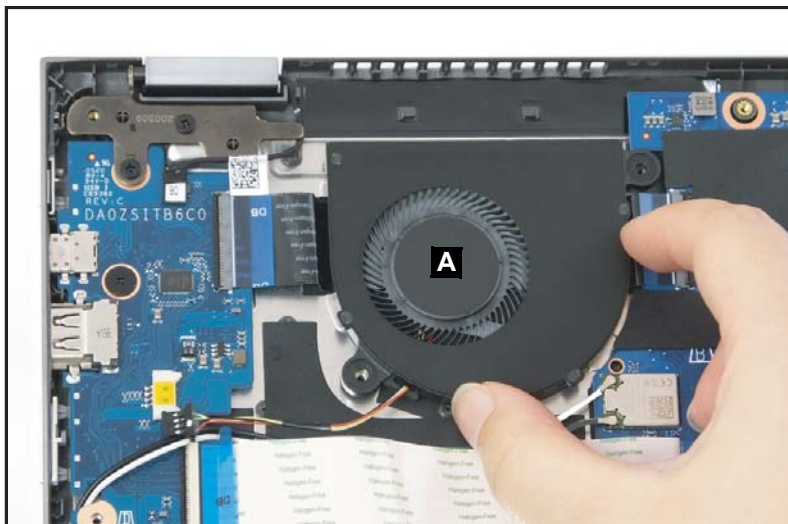


Figure 3-107. Replacing the Fan

2. Install and secure two (2) screws to the fan (Figure 3-108).
3. Connect the fan cable to the mainboard connector (B) (Figure 3-108).

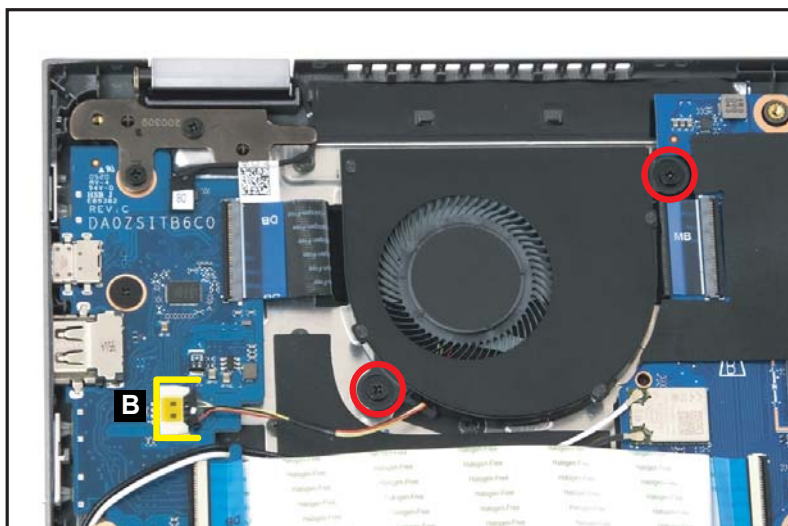



Figure 3-108. Replacing the Fan

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*4.0	2.0+10%KGF/CM	2	

Replacing the LCD Module

1. By holding the top assembly upright and the keyboard is facing you, align the top assembly with the LCD hinges slots on the LCD module as shown in [Figure 3-109](#). Then close the top assembly ([Figure 3-109](#)).

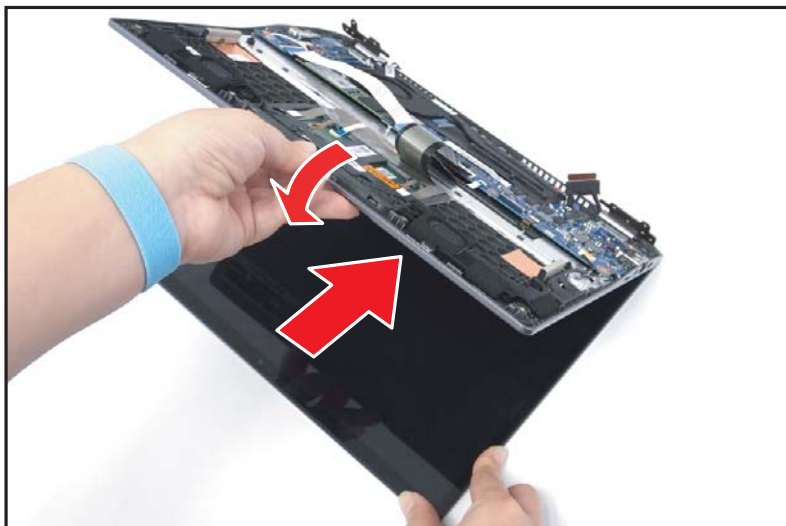


Figure 3-109. Replacing the LCD Module

2. Close both LCD hinges until they are fully seated in place ([Figure 3-110](#)).

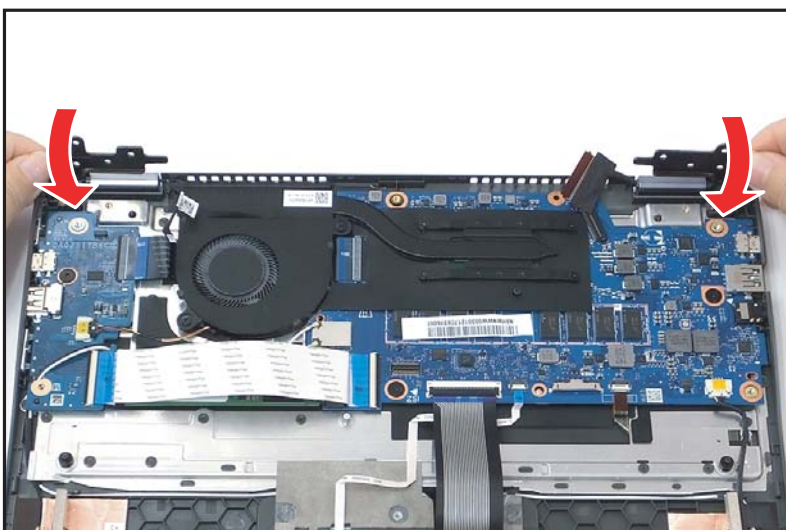


Figure 3-110. Replacing the LCD Module

3. Install four (4) screws to secure the LCD module in place (Figure 3-111).

⚠ CAUTION:

Make sure all cables are moved away from the device to avoid damage during installation.



Figure 3-111. Replacing the LCD Module

4. Connect the eDP cable to the mainboard connector (A) (Figure 3-112).

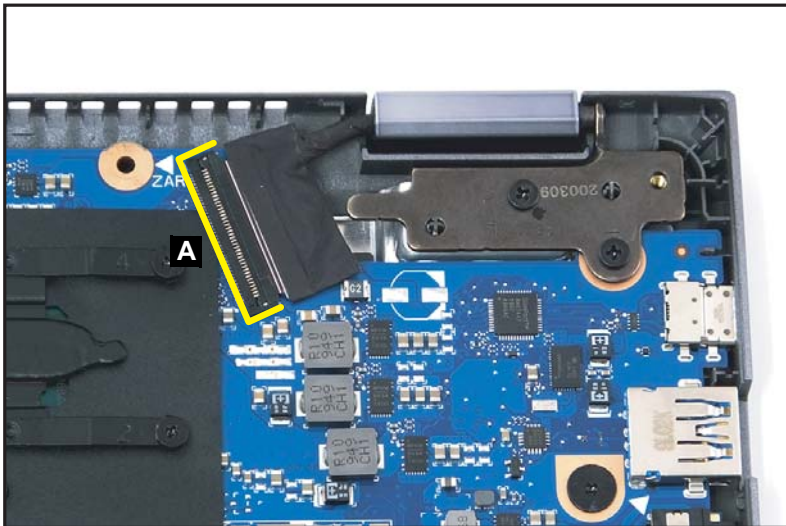


Figure 3-112. Replacing the LCD Module

5. Route the G-sensor cable through the cable guide (B) (Figure 3-113).
6. Connect the G-sensor cable to the mainboard connector (C) (Figure 3-113).

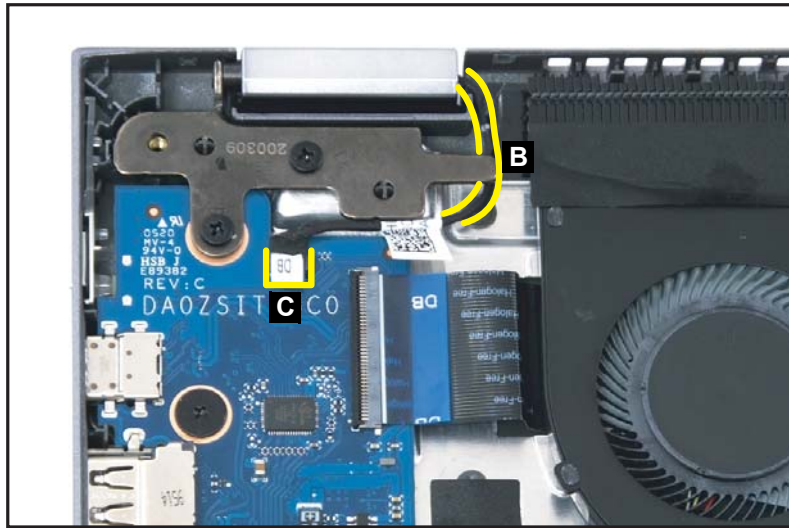



Figure 3-113. Replacing the LCD Module

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*4.0	2.0+10%KGF/CM	4	

Replacing the Touchpad Module

1. Slide the touchpad module (A) into the bottom latches (B) until those are fully engaged (Figure 3-114).
2. Ensure that the touchpad module is properly aligned with the guide pins (C), push the touchpad module firmly onto its slot until it is fully seated in place (Figure 3-114).

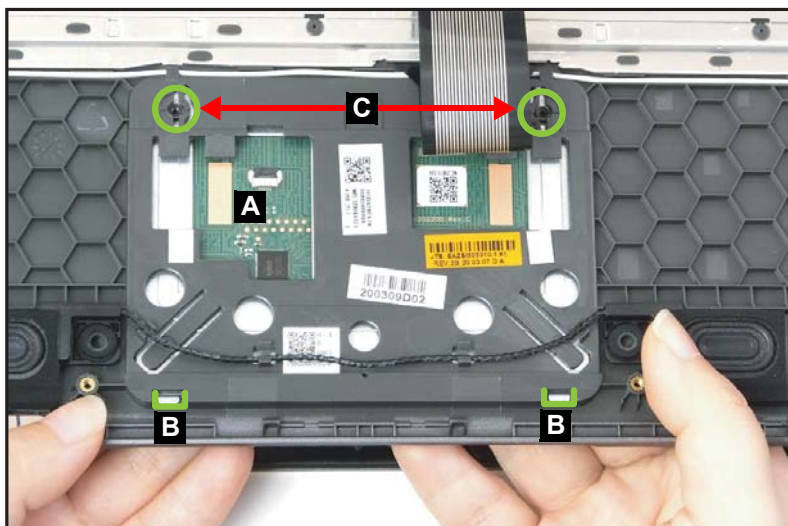


Figure 3-114. Replacing the Touchpad Module

3. Lift the keyboard FPC (D) for easy access to the screw holes. Then install and secure two (2) screws to the touchpad module (Figure 3-115).

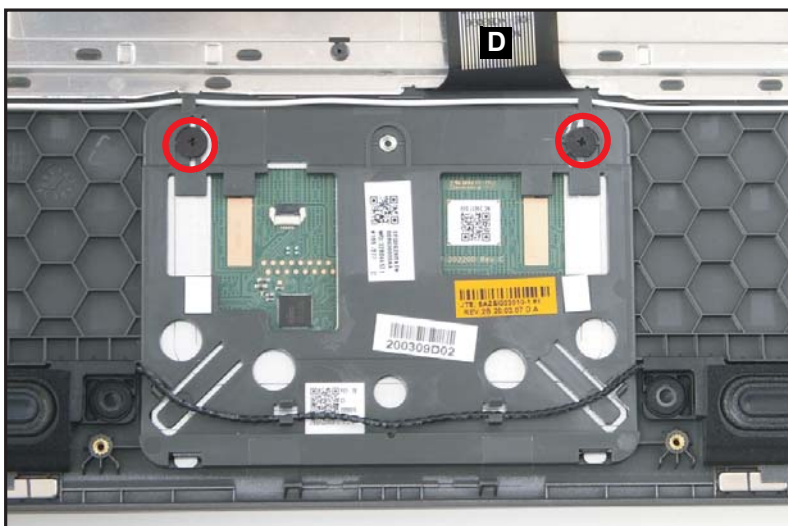


Figure 3-115. Replacing the Touchpad Module

4. Attach the conductive tape (E) onto the touchpad module and top assembly (Figure 3-116).

+ **IMPORTANT:**

When attaching the tape, make sure it is properly aligned with the screws and screw hole (F) and placed onto its designated location as shown in Figure 3-116.

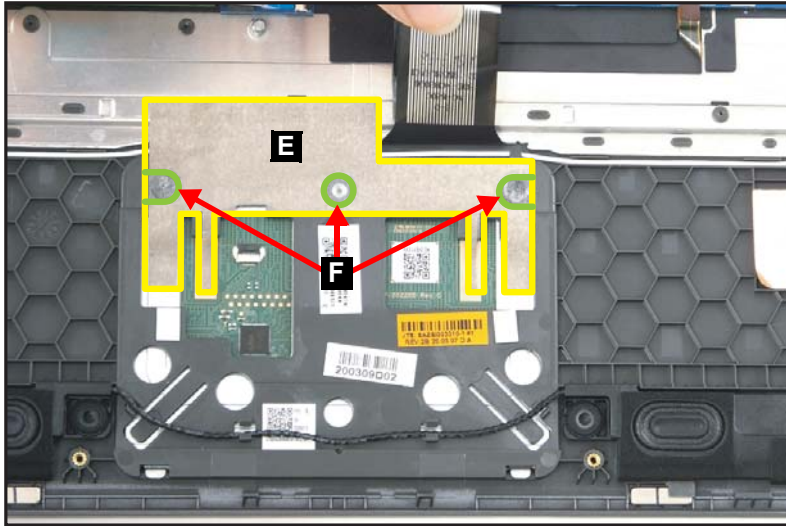


Figure 3-116. Replacing the Touchpad Module

5. Connect the touchpad FFC to the mainboard connector (G) and the touchpad connector (H) (Figure 3-117).

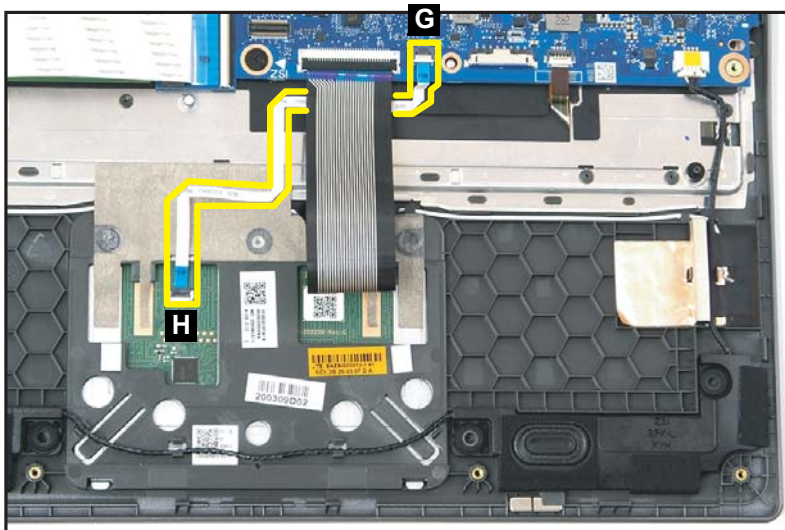



Figure 3-117. Replacing the Touchpad Module

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*2.5 (D7.0)	2.0+10%KGF/CM	2	

Replacing the Speaker Module

1. Place the speaker module (A) into its compartment on the top assembly (Figure 3-118).

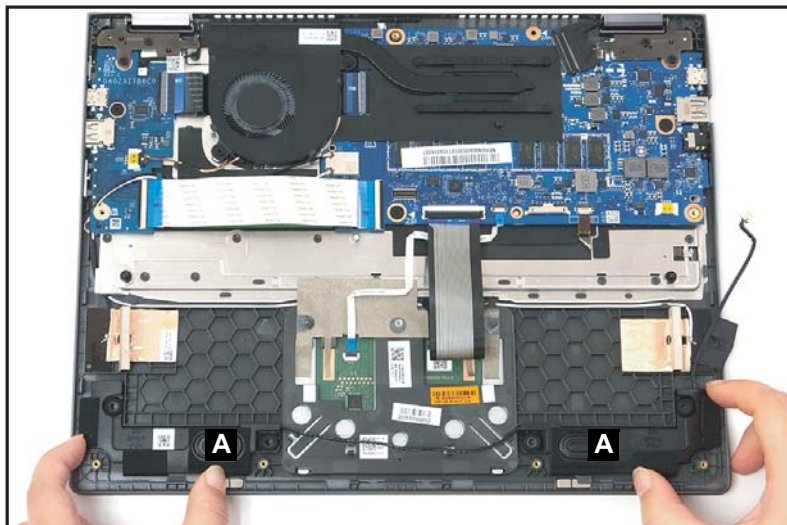


Figure 3-118. Replacing the Speaker Module

2. Route and secure the speaker cable (B) along the cable guides on the top assembly (Figure 3-119).
3. By aligning with the guide pin (C), install the tape (D) onto its slot as shown in Figure 3-119.
4. Connect the speaker cable to the mainboard connector (E) (Figure 3-119).

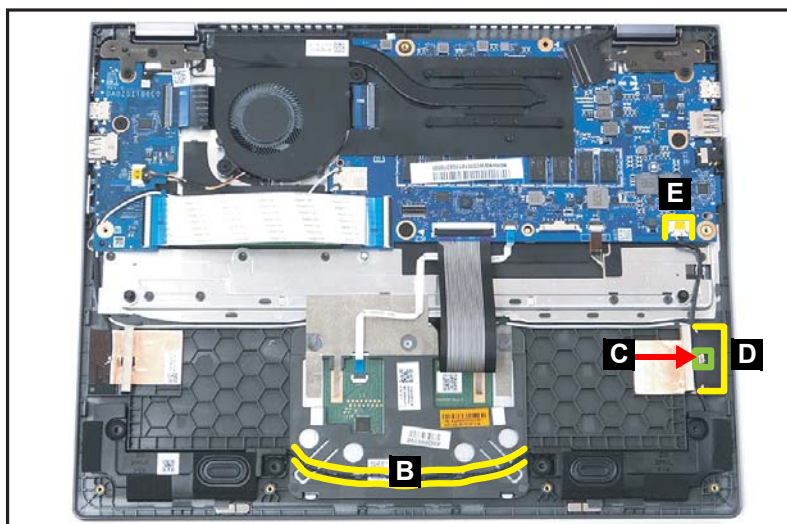


Figure 3-119. Replacing the Speaker Module

Replacing the SSD Module

1. Insert the SSD module (A) to the mainboard connector (B) (Figure 3-120).

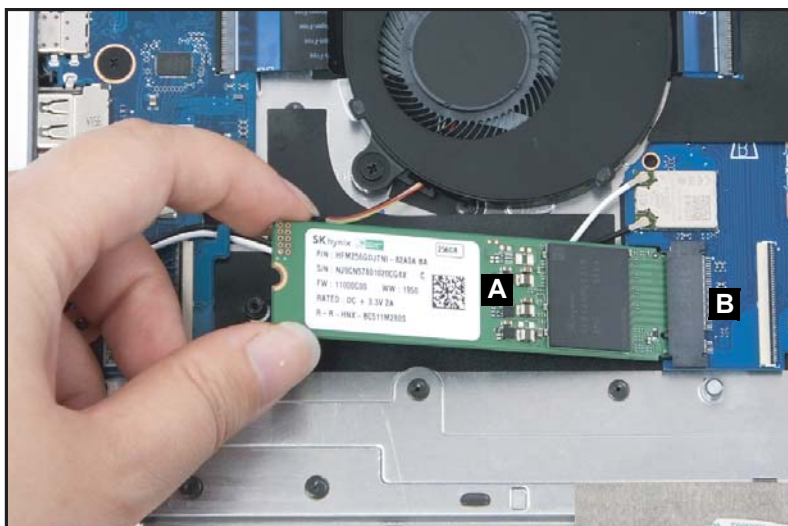


Figure 3-120. Replacing the SSD Module

2. Install and secure one (1) screw to the SSD module (Figure 3-121).




Figure 3-121. Replacing the SSD Module

3. Connect the 45-pin USB board FFC to the USB board connector (C) and the mainboard connector (D) (Figure 3-122).



Figure 3-122. Replacing the SSD Module

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*2.5	2.0+10%KGF/CM	1	

Replacing the Heatsink

+ **IMPORTANT:**

Apply approved thermal grease and ensure all heat pads are in position before replacing the module.

⚠ CAUTION:

Use caution when applying thermal grease. Thermal grease may cause damage to the mainboard.

The following thermal grease types are approved for use:

- Silmore GP50
- Honeywell
- Jet Motor 7762

The following thermal pads are approved for use:

- Eapus XR-PE
1. Remove all traces of thermal grease from CPU (or GPU) using a lint-free cloth or cotton swab and Isopropyl Alcohol, Acetone, or other approved cleaning agent.
 2. Apply small amount of thermal grease to center of CPU.

⇒ **NOTE:**

Force used during installation of heatsink is sufficient to spread grease evenly over CPU top.

3. Place the heatsink (A) onto its compartment on the top assembly ([Figure 3-123](#)).

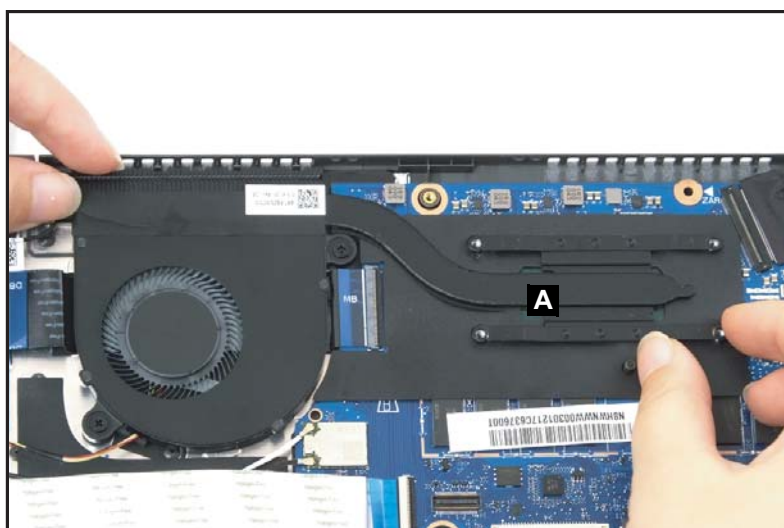


Figure 3-123. Replacing the Heatsink

4. Install and secure four (4) screws (in numerical order from one (1) to four (4)) to the heatsink (Figure 3-124). Ensure the heatsink is properly aligned and seated.
5. Attach the mylar (B) to secure the fan module in place (Figure 3-124).

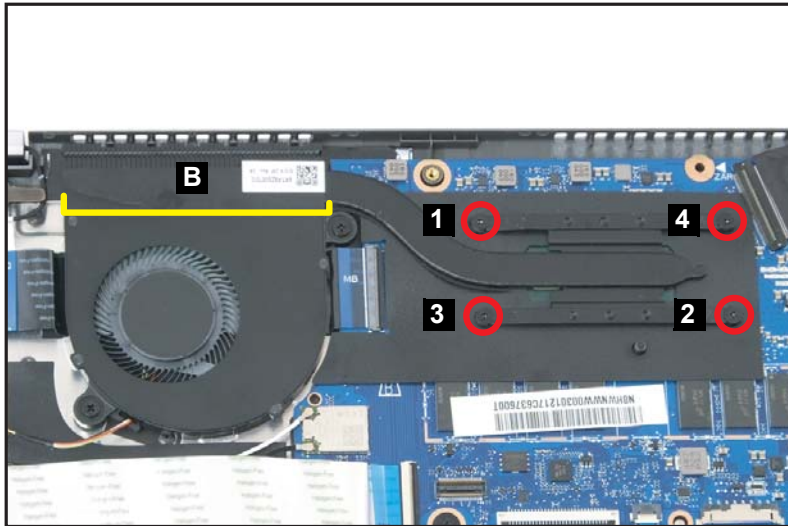



Figure 3-124. Replacing the Heatsink

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*2.5	2.0+10%KGF/CM	4	

Replacing the Battery Pack

1. By aligning with the guide pins (A), place the battery pack (B) to its compartment on the system (Figure 3-125).

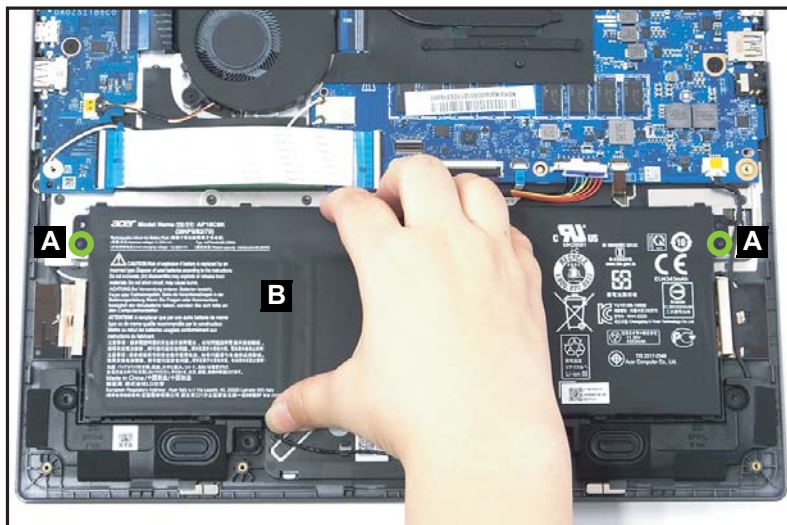


Figure 3-125. Replacing the Battery Pack

2. Connect the battery cable to the mainboard connector (C) (Figure 3-126).



Figure 3-126. Replacing the Battery Pack

3. Attach the tape (D) to secure the battery cable to the mainboard connector (Figure 3-127).
4. Attach the transparent mylar (E) to secure the battery cable and keyboard FPC in place (Figure 3-127).

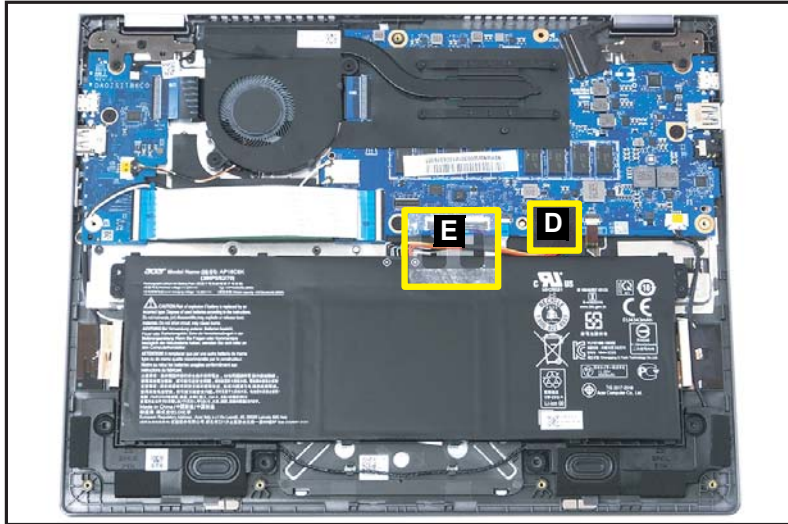


Figure 3-127. Replacing the Battery Pack

Replacing the Base Cover

1. Carefully place the base cover onto the top assembly. Make sure that the edges of the base cover are aligned properly to those of the top assembly ([Figure 3-128](#)).



Figure 3-128. Replacing the Base Cover

2. Press downward on the system to engage the tabs. Make sure all the tabs are fully engaged ([Figure 3-129](#)).




Figure 3-129. Replacing the Base Cover

3. Install nine (9) screws to secure the base cover in place (Figure 3-130).



Figure 3-130. Replacing the Base Cover

ID	Size	Torque	Quantity	Screw Type
Red Call out	M2.0*5.2	2.0+10%KGF/CM	9	

CHAPTER 4

Troubleshooting

Introduction	4-3
General Information	4-3
Power On Issues	4-4
No Display Issues.	4-5
LCD Picture Failure	4-7
Internal Keyboard Failure	4-8
Touch Pad Failure	4-9
Internal Speaker Failure.	4-10
Audio Codec Failure	4-12
Other Functions Failure	4-13
Intermittent Problems	4-14
Undetermined Problems	4-14

Troubleshooting

Introduction

This chapter contains information about troubleshooting common problems associated with the notebook.

General Information

The following procedures are a guide for troubleshooting computer problems. The step by step procedures are designed to be performed as described.

⇒ **NOTE:**

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

1. Obtain as much detailed information as possible about the problem.
2. If possible, verify the symptoms by re-creating the failure through diagnostic tests or repeating the operation that led to the problem.
3. Use [Table 4-1](#) with the verified symptom to determine the solution.

Table 4-1. Common Problems

Symptoms (Verified)
Power On Issues
No Display Issues
LCD Picture Failure
Internal Keyboard Failure
Touch Pad Failure
Internal Speaker Failure
Audio Codec Failure
Other Functions Failure
Intermittent Problems
Undetermined Problems

4. If the Issue is still not resolved, refer to [Online Support Information](#).

⇒ **NOTE:**

Do not replace non-defective FRU parts.

Power On Issues

If the system does not power on, perform the following:

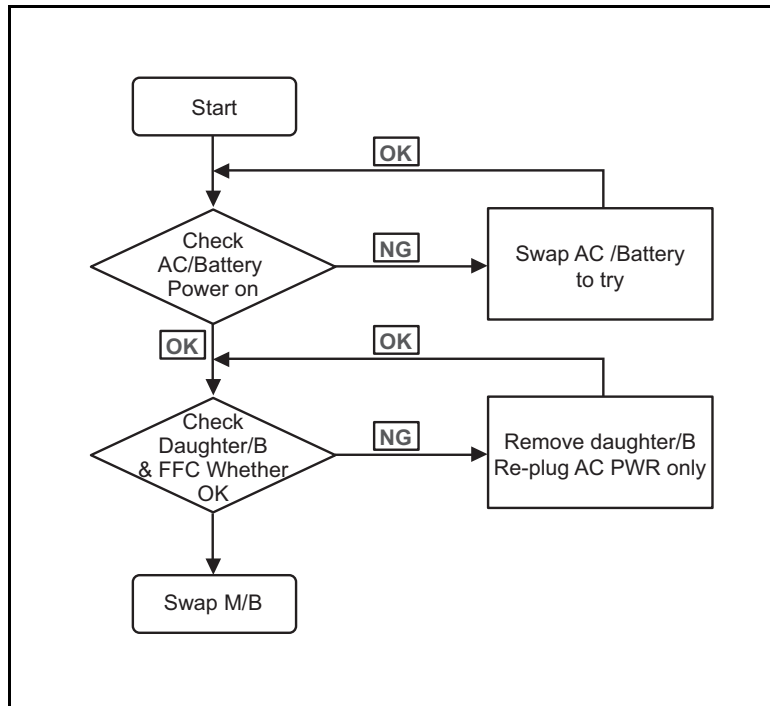


Figure 4-1. Power On Issue

Computer Shuts Down Intermittently

If the system powers off at intervals, perform the following.

1. Make sure the power cable is properly connected to the computer and the electrical outlet.
2. Remove all extension cables between the computer and the outlet.
3. Remove all surge protectors between the computer and the electrical outlet. Plug the computer directly into a known serviceable electrical outlet.
4. Remove all external and non-essential hardware connected to the computer that are not necessary to boot the computer to the failure point.
5. Remove any recently installed software.
6. If the Issue is still not resolved, refer to [Online Support Information](#).

No Display Issues

If the Display does not work, perform the following:

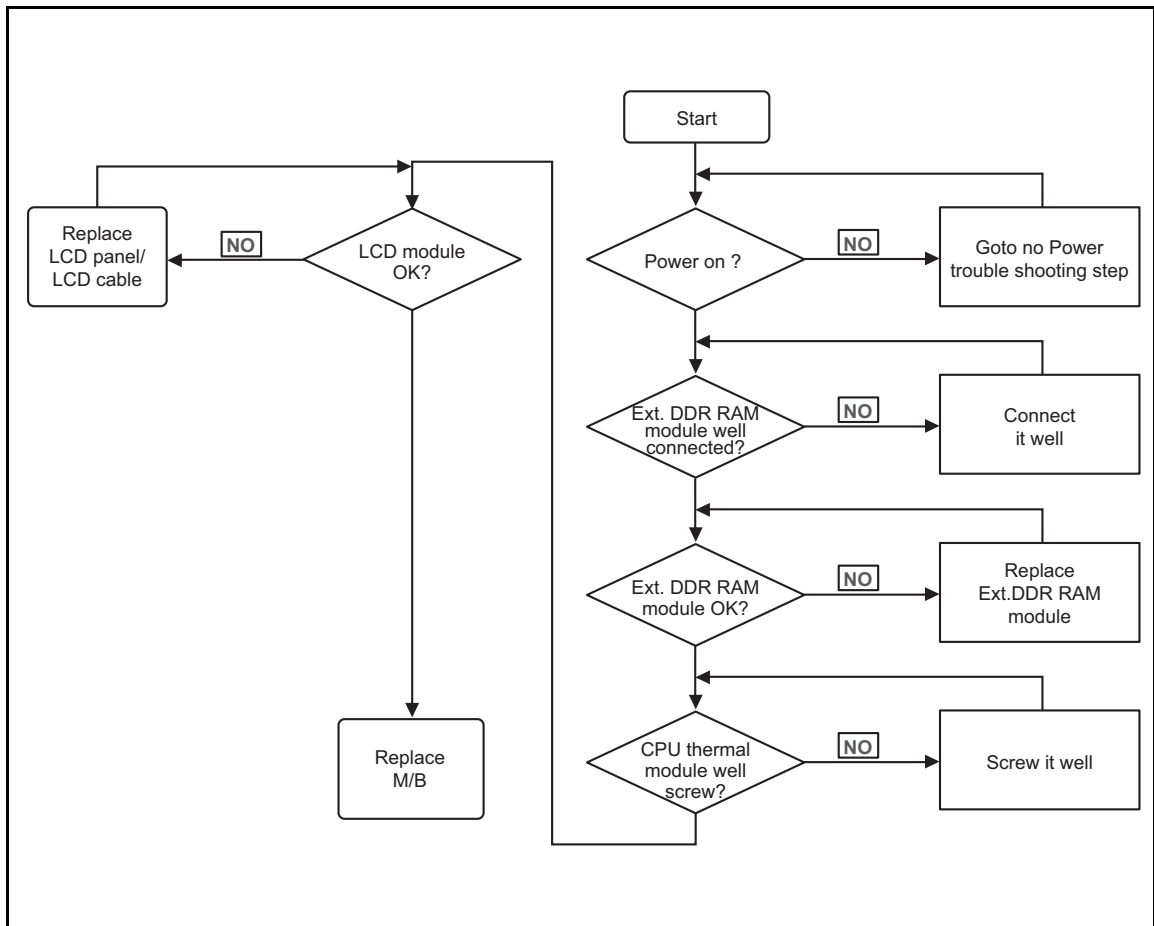


Figure 4-2. No Display Issue

No POST or Video

If the POST or video does not appear, perform the following:

1. Make sure that internal display is selected. Switching between internal and external display by pressing **Ctrl** + **F4**. Reference product pages for specific model procedures.
2. Make sure the computer has been turned on.

If no power, refer to [Power On Issues](#).

3. Turn off the Chromebook. Remove the power cable, and then plug it back in. Press **Refresh** **⌘** + **Power** **⏻** to perform the hard reset.
4. Connect an external monitor to the computer and switch between the internal display and the external display is pressing **Ctrl** + **F4**. If you are using a separate keyboard, press **F4**.

⇒ **NOTE:**

If you've connected an external monitor, the screen will only appear on the external monitor. If you've connected a projector, the screen will be displayed on both your Chromebook and via the projector.

5. If the POST or video appears on the external display only, refer to [LCD Picture Failure](#).
6. Disconnect power and all external devices including port replicators or docking stations. Remove any memory cards.
7. Start the computer. If the computer boots correctly, add the devices one by one until the failure point is discovered.
8. If the Issue is still not resolved, refer to [Online Support Information](#).

Abnormal Video

If the video appears abnormal, perform the following:

1. Boot the computer.
 - If permanent vertical/horizontal lines or dark spots appear in the same location, the LCD is faulty and should be replaced. Refer to [Disassembly Process](#).
 - If extensive pixel damage is present (different colored spots in the same locations on the screen), the LCD is faulty and should be replaced. Refer to [LCD Module Removal](#) and [Replacing the LCD Module](#).

⇒ **NOTE:**

Make sure that the computer is not running on battery alone as this may reduce display brightness.

2. Adjust the brightness to its highest level. Refer to the User Manual for instructions on adjusting the settings. If the display is too dim at the highest brightness setting, the LCD is faulty and should be replaced. Refer to [Disassembly Process](#).
3. Check the display resolution is correctly configured:
 - Minimize or close all Windows.
 - If display size is only abnormal in an application, check the view settings and control/mouse wheel zoom feature in the application.
 - If the Chromebook display resolution is not normal, click the status area where your account picture appears.
 - Click **Settings > Display Settings**.
 - Click on the **Resolution** drop-down menu to choose the desired resolution.
 - Check the display again. Readjust if necessary.
4. Roll back the video driver to the previous version if updated.
5. Remove and reinstall the video driver.
6. Run the Diagnostic test and follow the on-screen prompts, refer to [Key Component Replacement and HWID Re-configuration](#).
7. If the Issue is still not resolved, refer to [Online Support Information](#).

LCD Picture Failure

If the LCD fails, perform the following:

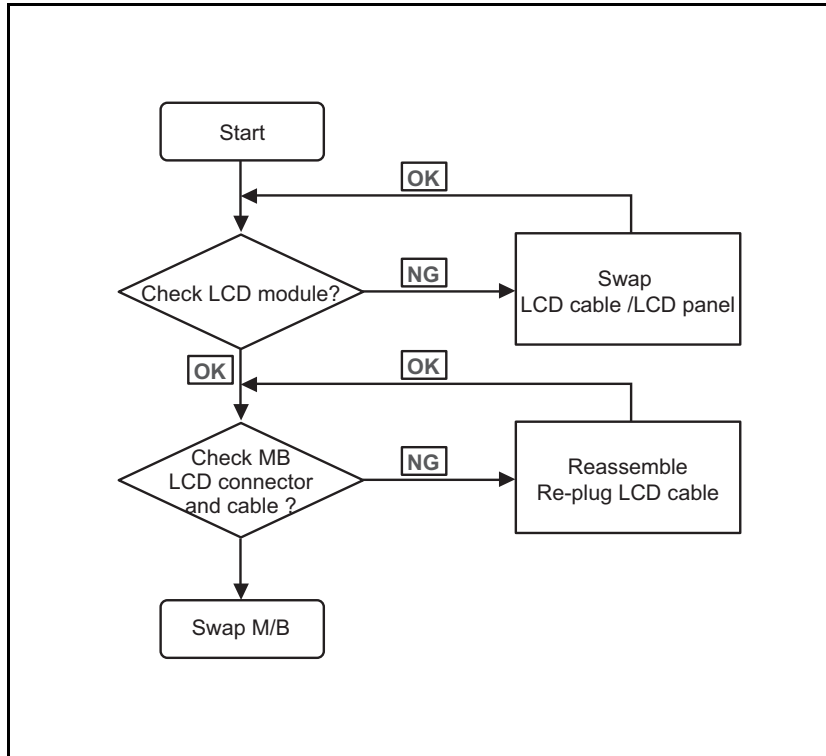


Figure 4-3. LCD Failure

Internal Keyboard Failure

If the internal keyboard fails, perform the following:

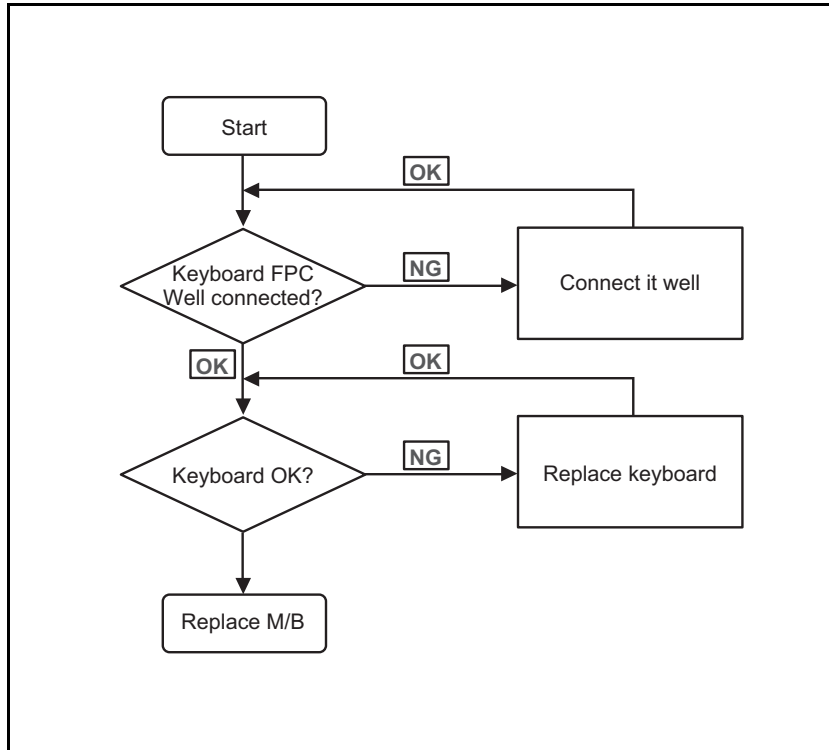


Figure 4-4. Internal Keyboard Failure

Touch Pad Failure

If the touch pad fails, perform the following:

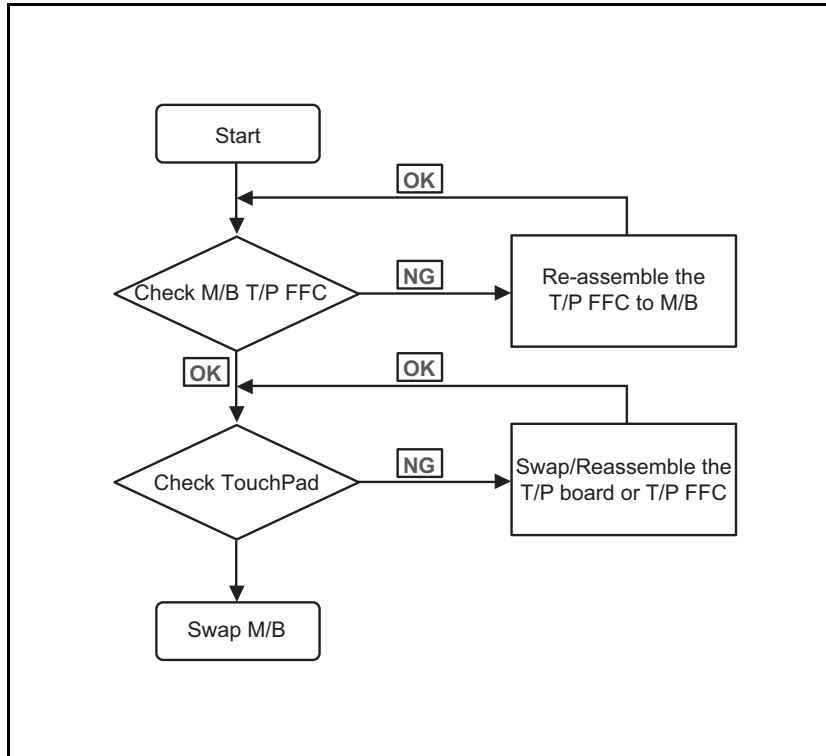


Figure 4-5. Touch Pad Failure

Internal Speaker Failure

If internal speakers fail, perform the following:

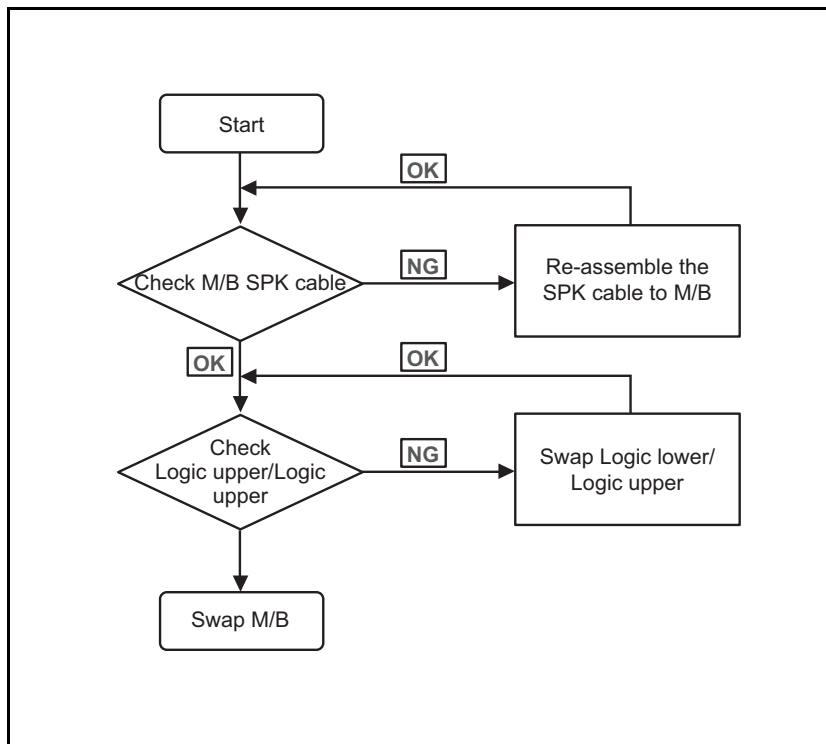


Figure 4-6. Internal Speaker Failure

Sound Problems

Perform the following, one at a time.

1. Boot the computer.
2. If updated recently, roll back the audio driver to the previous version. Remove and reinstall the audio driver.
3. Make sure that all volume controls are set mid range:
 - Click or , or click the status area of the taskbar.
 - Drag the slider to 50. Confirm that the volume is not muted.
 - Click Mixer to verify that other audio applications are set to 50 and not muted.
4. Remove any recently installed hardware or software.
5. Factory reset your Chromebook:

⇒ NOTE:

Make sure to back up all the files on Google Drive or an external hard drive.

- Sign out of the Chromebook and press and hold **Ctrl + Alt + Shift + R**.
- Click **Restart** to restart the Chromebook, and then follow the on-screen

instructions.

- Check if the problem is fixed once you set up the Chromebook.
6. Restore system and file settings from a known good date using *Chromebook Recovery Utility*.
 7. Reinstall the operating system.
 8. If the issue is still not resolved, refer to [Online Support Information](#).

Audio Codec Failure

If the audio codec fails, perform the following:

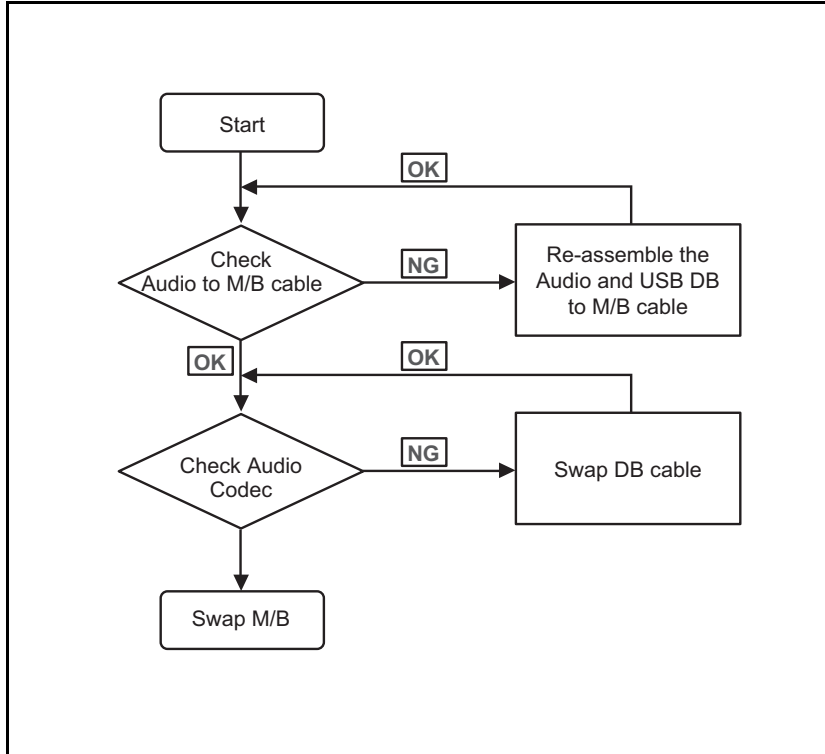


Figure 4-7. Audio Codec Failure

Other Functions Failure

1. Check if the drives are functioning correctly.
2. Check if the external modules are functioning correctly.
3. Change the mainboard to check if current one is defective.

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, perform 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 an error is detected, replace the FRU. Rerun the test to verify that there are no more errors.

Undetermined Problems

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

Perform the following 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. (Refer to [Power On Issues](#)).

1. Remove power from the computer.
2. Visually check components 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
 - BD/CD-ROM/Diskette drive Module
 - PC Cards
4. Apply power to the computer.
5. Determine if the problem has changed.
6. If the problem does not recur, connect the removed devices one at a time until failing FRU is found.
7. If the problem remains, replace the following FRUs:
 - System board
 - LCD assembly

CHAPTER 5

Jumper and Connector Locations

Mainboard Jumper and Connector Locations 5-3

Jumper and Connector Locations

Mainboard Jumper and Connector Locations

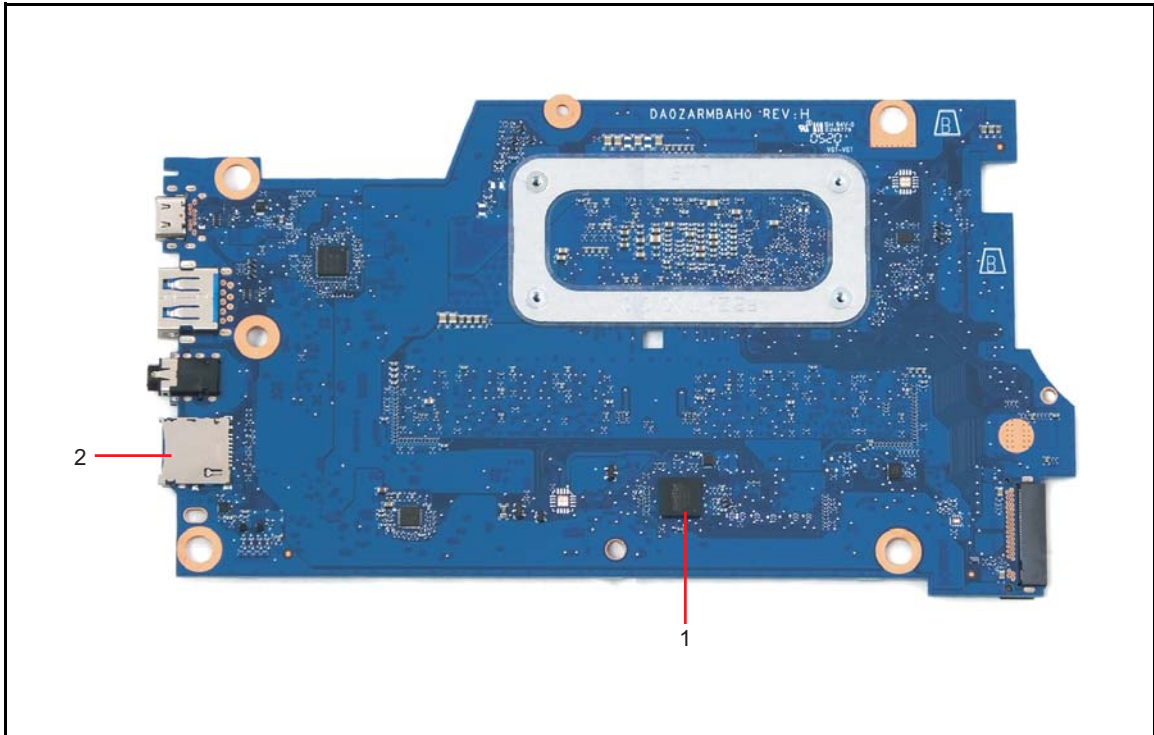


Figure 5-1. Mainboard Top

Table 5-1. Mainboard Top

Item	Description	Item	Description
1	EC	2	SD Card Reader

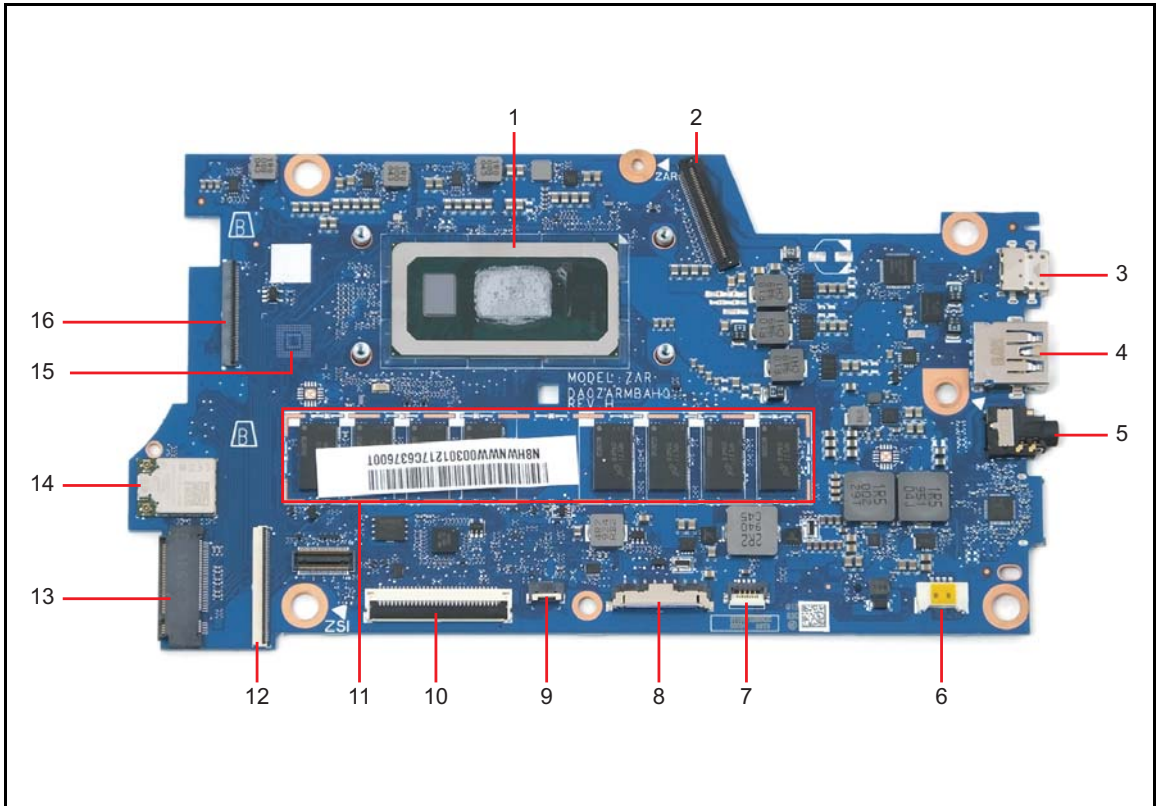


Figure 5-2. Mainboard Bottom

Table 5-2. Mainboard Bottom

Item	Description	Item	Description
1	CML CPU	9	Touchpad Connector
2	eDP Connector	10	Keyboard Connector
3	USB Type-C Connector	11	DDR4
4	USB Type-A Connector	12	DB FFC Connector
5	Audio Jack	13	SSD Connector
6	Speaker Connector	14	Wi-Fi
7	Keyboard Backlight Connector	15	eMMC
8	Battery Connector	16	DB FFC Connector

CHAPTER 6

FRU (Field Replaceable Unit) List

Exploded Diagrams	6-4
FRU List	6-8
Screw List	6-17

FRU (Field Replaceable Unit) List

This chapter provides users with a FRU (Field Replaceable Unit) listing in global configurations for the Chromebook CP713-2W. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

⇒ **NOTE:**

WHEN ORDERING FRU PARTS, check the most up-to-date information available on the regional web or channel. Part number changes will not be noted on the printed Service Guide. For Acer AUTHORIZED SERVICE PROVIDERS, the Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. Users MUST use the local FRU list provided by the regional Acer office to order FRU parts for repair and service of customer machines.

⇒ **NOTE:**

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

Exploded Diagrams

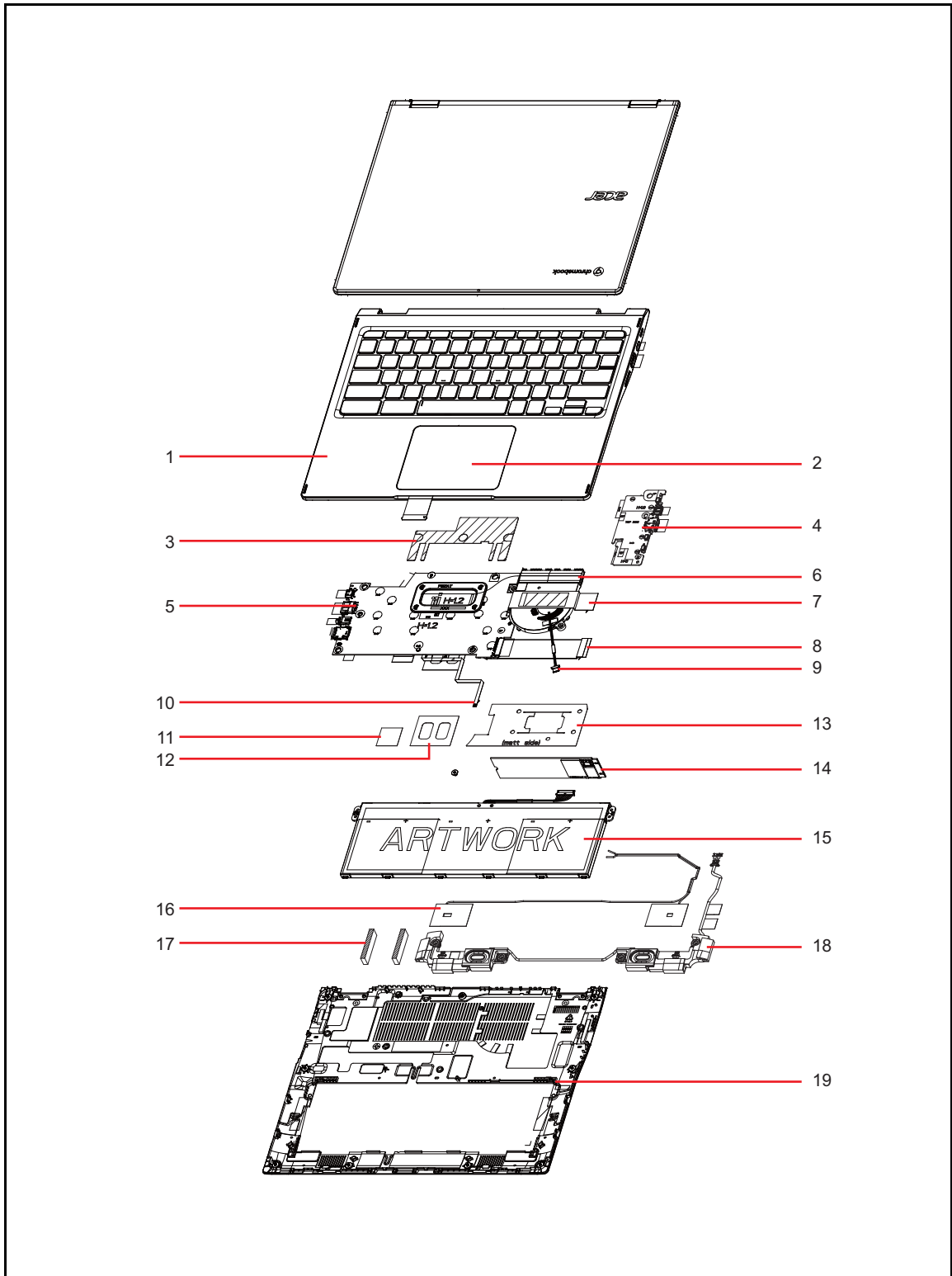


Figure 6-1. System Exploded Diagram

Table 6-1. System Exploded Diagram

No.	Description	Acer Part No.
1	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray Arabic Chrome OS for Full Size White BL NK.I1113.0TX	6B.HQBN7.001
2	TOUCHPAD ASSY GRAY W/GLASS,BRACKET	56.HQBN7.001
3	CONDUCTIVE TAPE W/MYLAR	47.HQBN7.002
4	USB BOARD	55.HQBN7.001
5	Mainboard CP713-2W Intel Ci5-10210U 8GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HQB11.002
6	HEAT SINK 15W UMA	24.HQBN7.001
7	FFC CABLE - USB BOARD 103.5MM 40P	50.HQBN7.002
8	FFC CABLE - USB BOARD 116.5MM 45P	50.HQBN7.003
9	FAN DC 5V	23.HQBN7.002
10	FFC CABLE - TOUCHPAD	50.HQBN7.004
11	ACETATE TAPE FOR BATTERY(21*21mm)	47.HKKN7.001
12	INS MYLAR MB KB	47.VFXN7.001
13	INSULATOR MYLAR ON MAINBOARD	47.HQBN7.003
14	Flash Disk HYNIX SSD NAND 128GB HFM128GDJTNG-8310A LF+HF	KN.1280G.006
15	Battery MURATA Typ.48Wh 4200mAh 3S1P AP18C4K 248x84.4x5.5(mm) AP18C 11.4V 60W Polymer	KT.00304.012
16	ANTENNA MAIN+AUX	50.HQBN7.006
17	GASKET - ON ANTENNA	47.HQBN7.004
18	SPEAKER SET L+R	23.HQBN7.001
19	LOWER CASE GRAY	60.HQBN7.001

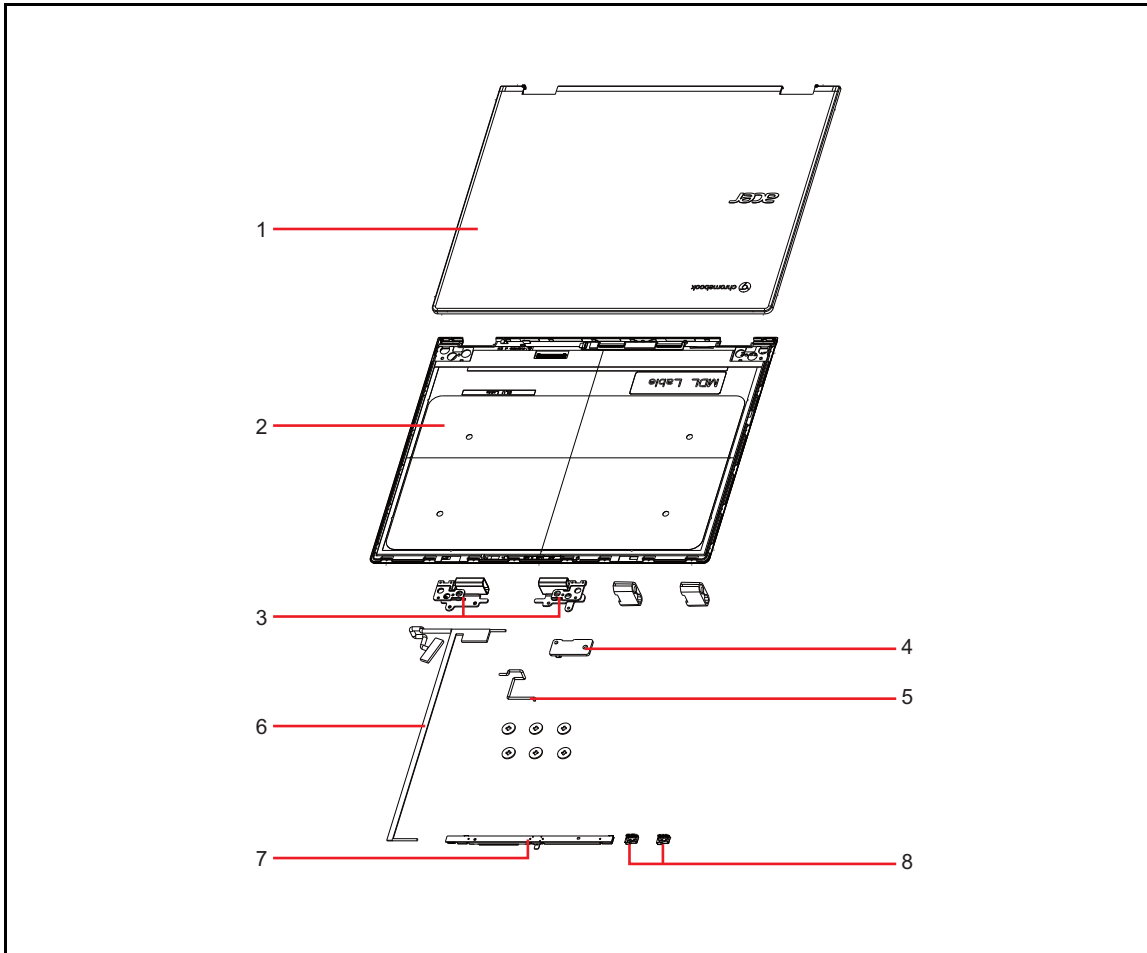


Figure 6-2. LCD Assembly Exploded Diagram

Table 6-2. LCD Assembly Exploded Diagram

No.	Description	Acer Part No.
1	LCD COVER ASSY GRAY	60.HQBN7.002
2	LCD MODULE W/ LCD BEZEL, GLASS, LCD Panel GIS 13.5" QHD Glare NE135FBM-N41/NC135GFL01 LF 415nit 30ms 1500:1 GF2/MM/Gorilla 0.55mm/6918/COB/I2C KL.1350G.001	6M.HQBN7.001
3	HINGE L W/RUBBER	33.HQBN7.001
	HINGE R W/RUBBER	33.HQBN7.002
4	G-SENSOR BOARD	55.HQBN7.002
5	CABLE - G-SENSOR BOARD	50.HQBN7.001
6	LCD CABLE	50.HQBN7.007
7	Camera Tech-Front HD Camera TF_OV9734_SPCA2087N_AOET_ZTS6735_Chrome Y3.2mm (dual Mic distance 66mm)	KS.0HD0Q.008

Table 6-2. LCD Assembly Exploded Diagram

No.	Description	Acer Part No.
8	RUBBER ON MIC	47.HQBN7.001

FRU List

Table 6-3. FRU List







Category	Description	Acer Part No.
ADAPTER		
	Adapter LITE-ON 45W 5V/3A_9V/3A_12V/3A_15V/3A_20V/2.25A Type C PA-1450-50AD LF Black Meet DOE6, CoC Tier2, IEC 62368	KP.04503.014
	Adapter Chicony Power 45W 5V/3A_9V/3A_12V/3A_15V/3A_20V/2.25A Type C A045RP05P LF Black Meet DOE6, CoC Tier2, IEC 62368	KP.0450H.012
	Adapter DELTA 45W 5V/3A_9V/3A_12V/3A_15V/3A_20V/2.25A Type C ADP-45HG BA LF Black Meet CoC Tier-2 & IEC 62368	KP.04501.023
BATTERY		
	Battery MURATA Typ.48Wh 4200mAh 3S1P AP18C4K 248x84.4x5.5(mm) AP18C 11.4V 60W Polymer	KT.00304.012
	Battery LGC Typ.50Wh 4470mAh 3S1P AP18C8K 248x84.4x5.5(mm) AP18C 11.25V 65W Polymer	KT.0030G.020
BOARD		
	USB BOARD	55.HQBN7.001
	G-SENSOR BOARD	55.HQBN7.002
	TOUCHPAD ASSY GRAY W/GLASS,BRACKET	56.HQBN7.001
CABLE		
	CABLE - G-SENSOR BOARD	50.HQBN7.001

Table 6-3. FRU List (Continued)


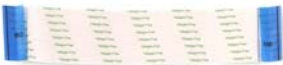

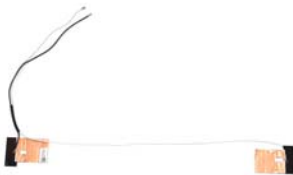




Category	Description	Acer Part No.
	FFC CABLE - USB BOARD 103.5MM 40P	50.HQBN7.002
	FFC CABLE - USB BOARD 116.5MM 45P	50.HQBN7.003
	FFC CABLE - TOUCHPAD	50.HQBN7.004
	ANTENNA MAIN+AUX	50.HQBN7.006
	LCD CABLE	50.HQBN7.007
CAMERA		
	Camera Tech-Front HD Camera TF_OV9734_SPCA2087N_AOET_ZTS6735_Chrome Y3.2mm (dual Mic distance 66mm)	KS.0HD0Q.008
	Camera CHICONY HD Camera CH_GC1009_RTS5846N_Powertip_ZTS6735_Chrome Y3.2mm (dual Mic distance 66mm)	KS.0HD06.018
CASE/COVER/BRACKET ASSEMBLY		
	LOWER CASE GRAY	60.HQBN7.001

Table 6-3. FRU List (Continued)








Category	Description	Acer Part No.
	LCD COVER ASSY GRAY	60.HQBN7.002
	HINGE L W/RUBBER	33.HQBN7.001
	HINGE R W/RUBBER	33.HQBN7.002
FAN SINK/SPEAKER/EARPHONE/RTC		
	SPEAKER SET L+R	23.HQBN7.001
	FAN DC 5V	23.HQBN7.002
	HEAT SINK 15W UMA	24.HQBN7.001
HDD/HARD DISK DRIVE		
	Flash Disk HYNIX SSD NAND 128GB HFM128GDJTNG-8310A LF+HF	KN.1280G.006
	Flash Disk HYNIX SSD NAND 256GB M.2 2280 BC511 HFM256GDJTNI-82A0A LF+HF	KN.2560G.029
	Flash Disk SANDISK SSD NAND 128GB SDAPNUW-128G-1014 LF+HF	KN.1280D.010
	Flash Disk SANDISK SSD NAND 256GB SDAPNUW-256G-1014 LF+HF	KN.2560D.010
KB ASSEMBLY		
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray Arabic Chrome OS for Full Size White BL NK.I1113.0TX	6B.HQBN7.001
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray FR/Arabic Chrome OS for Full Size White BL NK.I1113.0UD	6B.HQBN7.002

Table 6-3. FRU List (Continued)


Category	Description	Acer Part No.
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Belgium Chrome OS for Full Size White BL NK.I1113.0U9	6B.HQBN7.003
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Brazilian Portuguese Chrome OS for Full Size White BL NK.I1113.0UA	6B.HQBN7.004
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray Bulgaria Chrome OS for Full Size White BL NK.I1113.0U7	6B.HQBN7.005
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray US w/ Canadian French Chrome OS for Full Size White BL NK.I1113.0UT	6B.HQBN7.006
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray SLO/CRO Chrome OS for Full Size White BL NK.I1113.0UM	6B.HQBN7.007
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray CZ/SK Chrome OS for Full Size White BL NK.I1113.0UB	6B.HQBN7.008
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Danish Chrome OS for Full Size White BL NK.I1113.0UC	6B.HQBN7.009
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray French Chrome OS for Full Size White BL NK.I1113.0UE	6B.HQBN7.010
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray German Chrome OS for Full Size White BL NK.I1113.0UF	6B.HQBN7.011
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray Greek Chrome OS for Full Size White BL NK.I1113.0TZ	6B.HQBN7.012

Table 6-3. FRU List (Continued)


Category	Description	Acer Part No.
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray US International w/ Hebrew Chrome OS for Full Size White BL NK.I1113.0U6	6B.HQBN7.013
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Hungarian Chrome OS for Full Size White BL NK.I1113.0UG	6B.HQBN7.014
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray Persian Chrome OS for Full Size White BL NK.I1113.0U1	6B.HQBN7.015
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Italian Chrome OS for Full Size White BL NK.I1113.0UH	6B.HQBN7.016
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 78KS Gray Japanese Chrome OS for Full Size White BL NK.I1113.0UU	6B.HQBN7.017
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray ALA-Spanish Chrome OS for Full Size White BL NK.I1113.0U8	6B.HQBN7.018
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Norwegian Chrome OS for Full Size White BL NK.I1113.0UK	6B.HQBN7.019
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Portuguese Chrome OS for Full Size White BL NK.I1113.0UL	6B.HQBN7.020
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray Russian Chrome OS for Full Size White BL NK.I1113.0UO	6B.HQBN7.021
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Nordic Chrome OS for Full Size White BL NK.I1113.0UJ	6B.HQBN7.022
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Spanish Chrome OS for Full Size White BL NK.I1113.0UN	6B.HQBN7.023

Table 6-3. FRU List (Continued)

Category	Description	Acer Part No.
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Sweden Chrome OS for Full Size White BL NK.I1113.0UP	6B.HQBN7.024
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Swiss/G Chrome OS for Full Size White BL NK.I1113.0UQ	6B.HQBN7.025
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray Traditional Chinese Chrome OS for Full Size White BL NK.I1113.0TY	6B.HQBN7.026
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray Thailand Chrome OS for Full Size White BL NK.I1113.0U3	6B.HQBN7.027
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray Turkish Chrome OS for Full Size White BL NK.I1113.0UR	6B.HQBN7.028
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray US International Chrome OS for Full Size White BL NK.I1113.0U5	6B.HQBN7.029
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 75KS Gray UK Chrome OS for Full Size White BL NK.I1113.0US	6B.HQBN7.030
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray Ukrainian Chrome OS for Full Size White BL NK.I1113.0U2	6B.HQBN7.031
	UPPER CASE ASSY GRAY W/ BL Keyboard CHICONY AL01G_C19EWL AL1G Internal 11 Standard 74KS Gray US Chrome OS for Full Size White BL NK.I1113.0U4	6B.HQBN7.032

Table 6-3. FRU List (Continued)

Category	Description	Acer Part No.
LCD		
	LCD MODULE W/ LCD BEZEL, GLASS, LCD Panel GIS 13.5' QHD Glare NE135FBM-N41/NC135GFL01 LF 415nit 30ms 1500:1 GF2/MM/Gorilla 0.55mm/6918/COB/I2C KL.1350G.001	6M.HQBN7.001
	LCD MODULE W/ LCD BEZEL, GLASS, LCD Panel GIS 13.5' QHD Glare NE135FBM-N41/NC135GFL03 LF 415nit 30ms 1500:1 GF2/MM/Gorilla 0.55T/6918/AG/I2C KL.1350G.002	6M.HQBN7.002
MAINBOARD		
	Mainboard CP713-2W Intel Ci5-10210U 8GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HQB11.002
	Mainboard CP713-2W Intel Ci7-10510U 16GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HQB11.001
	Mainboard CP713-2W Intel Ci3-10110U 8GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HQB11.008
	Mainboard CP713-2W Intel PMD6405U 8GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HQB11.00H
	Mainboard CP713-2W Intel Ci5-10210U 8GB eMMC64GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HTZ11.00K
	Mainboard CP713-2W Intel Ci3-10110U 4GB eMMC64GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HTZ11.001
	Mainboard CP713-2W Intel Ci3-10110U 8GB eMMC64GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HTZ11.00A
	Mainboard CP713-2W Intel Ci3-10110U 8GB eMMC128GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HTZ11.00D
	Mainboard CP713-2W Intel PMD6405U 4GB eMMC64GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HTZ11.003
	Mainboard CP713-2W Intel PMD6405U 4GB eMMC128GB UMA AX201.D2WG.NV WiFi 6 w/ BT	NB.HTZ11.009

Table 6-3. FRU List (Continued)













Category	Description	Acer Part No.
POWER CORD		
	POWER CORD 1M 125V EUR+KOR BLACK	27.NE307.015
	POWER CORD 1M 125V US BLACK	27.NE307.003
	POWER CORD 1M 125V JAP BLACK	27.NE307.001
	POWER CORD 1M 125V TAIWAN BLACK	27.NE307.002
	POWER CORD 1M 125V ARG BLACK	27.NE307.004
	POWER CORD 1M 125V AUS BLACK	27.NE307.005
	POWER CORD 1M 125V BRAZIL BLACK	27.NE307.006
	POWER CORD 1M 125V CHINA BLACK	27.NE307.007
	POWER CORD 1M 125V DENMARK BLACK	27.NE307.008
	POWER CORD 1M 125V INDIA BLACK	27.NE307.009
	POWER CORD 1M 125V ISRAEL BLACK	27.NE307.010
	POWER CORD 1M 125V ITL BLACK	27.NE307.011
	POWER CORD 1M 125V S.AFRICA BLACK	27.NE307.012
	POWER CORD 1M 125V SWISS BLACK	27.NE307.013
POWER CORD 1M 125V UK BLACK	27.NE307.014	
MISCELLANEOUS		
	RUBBER ON MIC	47.HQBN7.001
	CONDUCTIVE TAPE W/MYLAR	47.HQBN7.002
	INSULATOR MYLAR ON MAINBOARD	47.HQBN7.003
	INS MYLAR MB KB	47.VFXN7.001
	ACETATE TAPE FOR BATTERY(21*21mm)	47.HKKN7.001

Table 6-3. FRU List (Continued)

Category	Description	Acer Part No.
	GASKET - ON ANTENNA	47.HQBN7.004


Screw List

Table 6-4. Screw List

Category	Description	Acer Part No.
	SCREW(M2*5.2-I,NYLOK)BNI W/WASHER	86.HQBN7.001
	SCREW M2*2.5-I(BZN,NYLOK)IRON	86.GVJN7.002
	SCREW M2.0*2.5-IBZNNYLOKD7.0 IRON	86.HQBN7.002
	SCREW M2.0*4.0-I(BZN)(NYLOK)(IRON)	86.HQBN7.003
	SCREWM2.5*2.3-IBZNNYLOKD7.5T0.6 IRON	86.HQBN7.004

CHAPTER 7

Model Definition and Configuration



Chromebook CP713-2W.7-3

Model Definition and Configuration

Chromebook CP713-2W

Table 7-1. RO, Description (UMACiLR_4T(HQB))

Model	RO	Country	Acer Part No	Description
CP713-2W-36LN	EMEA	UK	NX.HQBEK.001	CP713-2W-36LN CHROMENGB1 UMACiLR_4T 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EN11 -
CP713-2W-373X	EMEA	France	NX.HQBEF.001	CP713-2W-373X CHROMENFR1 UMACiLR_4T 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_FRW8 -
CP713-2W-38P1	PA	USA	NX.HQBAA.001	CP713-2W-38P1 CHROMENUS7 UMACiLR_4T 310110/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENP1 -
CP713-2W-53S7	EMEA	France	NX.HQBEF.003	CP713-2W-53S7 CHROMENFR1 UMACiLR_4T 510210/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_FRW8 -
CP713-2W-568T	PA	USA	NX.HQBAA.002	CP713-2W-568T CHROMENUS7 UMACiLR_4T 510210/1*16G/256G/48Wh/QHD/T_ _WiFi6+BT5_HD_StGray_ENP1 -
CP713-2W-79H3	PA	USA	NX.HQBAA.003	CP713-2W-79H3 CHROMENUS7 UMACiLR_4T 710510/1*16G/128G/48Wh/QHD/T_ _WiFi6+BT5_HD_StGray_ENP1 -
CP713-2W-P4TE	EMEA	Spain	NX.HQBEB.001	CP713-2W-P4TE CHROMENES1 UMACiLR_4T 6405/1*8G/128G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_ESFF -
CP713-2W-30MC	EMEA	Nordic	NX.HQBED.004	CP713-2W-30MC CHROMENND1 UMACiLR_4T 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-30VF	EMEA	France	NX.HQBEF.002	CP713-2W-30VF CHROMENFR1 UMACiLR_4T 310110/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_FRW8 -

Table 7-1. RO, Description (UMACiLR_4T(HQB)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-32D9	EMEA	Romania	NX.HQBEX.004	CP713-2W-32D9 CHROMENRO1 UMACiLR_4T 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EN11 -
CP713-2W-33FF	EMEA	Nordic	NX.HQBED.003	CP713-2W-33FF CHROMENND1 UMACiLR_4T 310110/1*4G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-35J8	EMEA	Bulgaria	NX.HQBEX.003	CP713-2W-35J8 CHROMENBG3 UMACiLR_4T 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_BG61 -
CP713-2W-366G	EMEA	Italy	NX.HQBET.001	CP713-2W-366G CHROME_CEUNIT1 UMACiLR_4T 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_DED1 - Q2 2020
CP713-2W-380B	EMEA	Czech	NX.HQBEC.001	CP713-2W-380B CHROMENCZ2 UMACiLR_4T 310110/1*4G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_CS62 -
CP713-2W-52HF	EMEA	Nordic	NX.HQBED.007	CP713-2W-52HF CHROMENND1 UMACiLR_4T 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-52P2	EMEA	UK	NX.HQBEB.002	CP713-2W-52P2 CHROMENGB1 UMACiLR_4T 510210/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EN11 -
CP713-2W-547P	EMEA	Nordic	NX.HQBED.005	CP713-2W-547P CHROMENND1 UMACiLR_4T 510210/1*4G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-54VL	EMEA	Nordic	NX.HQBED.009	CP713-2W-54VL CHROMENND1 UMACiLR_4T 510210/1*16G/128G/48Wh/QHD/T_ _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-550C	EMEA	Nordic	NX.HQBED.008	CP713-2W-550C CHROMENND1 UMACiLR_4T 510210/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-553E	EMEA	Nordic	NX.HQBED.006	CP713-2W-553E CHROMENND1 UMACiLR_4T 510210/1*4G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -

Table 7-1. RO, Description (UMACiLR_4T(HQB)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-57L5	EMEA	Nordic	NX.HQBED.00A	CP713-2W-57L5 CHROMENND1 UMACiLR_4T 510210/1*16G/256G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-5807	AAP	Singapore	NX.HQBSG.001	CP713-2W-5807 CHROMENSG7 UMACiLR_4T 510210/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-584G	AAP	Singapore	NX.HQBSG.002	CP713-2W-584G CHROMENSG7 UMACiLR_4T 510310/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-7000	EMEA	Nordic	NX.HQBED.00G	CP713-2W-7000 CHROMENND1 UMACiLR_4T 710510/1*16G/256G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-7382	AAP	Singapore	NX.HQBSG.003	CP713-2W-7382 CHROMENSG7 UMACiLR_4T 710510/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-73YD	EMEA	Nordic	NX.HQBED.00D	CP713-2W-73YD CHROMENND1 UMACiLR_4T 710510/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-75EA	EMEA	Nordic	NX.HQBED.00C	CP713-2W-75EA CHROMENND1 UMACiLR_4T 710510/1*4G/256G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-7733	EMEA	Nordic	NX.HQBED.00B	CP713-2W-7733 CHROMENND1 UMACiLR_4T 710510/1*4G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-77XE	EMEA	Nordic	NX.HQBED.00E	CP713-2W-77XE CHROMENND1 UMACiLR_4T 710510/1*8G/256G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-796M	EMEA	Nordic	NX.HQBED.00F	CP713-2W-796M CHROMENND1 UMACiLR_4T 710510/1*16G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-P4HB	EMEA	Romania	NX.HQBEX.001	CP713-2W-P4HB CHROMENRO1 UMACiLR_4T 6405/1*8G/128G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_EN11 -

Table 7-1. RO, Description (UMACiLR_4T(HQB)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-P51X	EMEA	Nordic	NX.HQBED.001	CP713-2W-P51X CHROMENND1 UMACiLR_4T 6405/1*4G/128G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_ENS2 -
CP713-2W-P6H4	EMEA	Bulgaria	NX.HQBEX.002	CP713-2W-P6H4 CHROMENBG3 UMACiLR_4T 6405/1*4G/128G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_BG61 -
CP713-2W-P7V5	EMEA	Nordic	NX.HQBED.002	CP713-2W-P7V5 CHROMENND1 UMACiLR_4T 6405/1*8G/128G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_ENS2 -
CP713-2W-36TD	EMEA	Italy	NX.HQBET.002	CP713-2W-36TD CHROMENIT1 UMACiLR_4T 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_DED1 - Amazon Q2 2020
CP713-2W-P7H1	EMEA	France	NX.HQBEB.004	CP713-2W-P7H1 CHROMENFR1 UMACiLR_4T 6405/1*8G/128G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_FRW8 -
CP713-2W-P4V H	EMEA	France	NX.HQBEB.005	CP713-2W-P4VH CHROMENFR1 UMACiLR_4T 6405/1*8G/128G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_FRW8 - Acer Store
CP713-2W-513J	EMEA	France	NX.HQBEB.006	CP713-2W-513J CHROMENFR1 UMACiLR_4T 510210/1*16G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_FRW8 -
CP713-2W-58A U	EMEA	France	NX.HQBEB.007	CP713-2W-58AU CHROMENFR1 UMACiLR_4T 510210/1*16G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_FRW8 - Acer Store
CP713-2W-50CR	CHIN A	Hong Kong	NX.HQBCF.002	CP713-2W-50CR CHROMENHK2 UMACiLR_4T 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ZH34 -
CP713-2W-779Q	CHIN A	Hong Kong	NX.HQBCF.001	CP713-2W-779Q CHROMENHK2 UMACiLR_4T 710510/1*16G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ZH34 -

Table 7-1. RO, Description (UMACiLR_4T(HQB)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-3674	CHINA	Hong Kong	NX.HQBCF.003	CP713-2W-3674 CHROMENHK2 UMACiLR_4T 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ZH34 -
CP713-2W-53BR	EMEA	France	NX.HQBEF.008	CP713-2W-53BR CHROMENFR1 UMACiLR_4T 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_FRW8 -
CP713-2W-56L3	EMEA	France	NX.HQBEF.009	CP713-2W-56L3 CHROME_CEUNFR1 UMACiLR_4T 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_FRW4 -
CP713-2W-34CU	EMEA	Czech	NX.HQBEC.002	CP713-2W-34CU CHROMENCZ2 UMACiLR_4T 310110/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_CS62 -
CP713-2W-58SV	EMEA	France	NX.HQBEF.00A	CP713-2W-58SV CHROME_CEUNFR1 UMACiLR_4T 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_FRW4 - CRR3Y
CP713-2W-74KU U	TWN	GCTWN	NX.HQBTA.001	CP713-2W-74KU CHROMENTW5 UMACiLR_4T 710610/1*16G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_TC21 -
CP713-2W-33X W	EMEA	Spain	NX.HQBEB.002	CP713-2W-33XW CHROMENES1 UMACiLR_4T 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ESFF - E-Commerce

Table 7-2. CPU, LCD, VGA Chip (UMACiLR_4T(HQB))

Model	Country	Acer Part No	CPU	LCD	VGA Chip
CP713-2W-36LN	UK	NX.HQB EK.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-373X	France	NX.HQB EF.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-38P1	USA	NX.HQB AA.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-53S7	France	NX.HQB EF.003	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-568T	USA	NX.HQB AA.002	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-79H3	USA	NX.HQB AA.003	Ci710510U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P4TE	Spain	NX.HQB EB.001	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-30M C	Nordic	NX.HQB ED.004	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-30VF	France	NX.HQB EF.002	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-32D9	Romania	NX.HQB EX.004	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-33FF	Nordic	NX.HQB ED.003	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-35J8	Bulgaria	NX.HQB EX.003	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-366G	Italy	NX.HQB ET.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-380B	Czech	NX.HQB EC.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-52HF	Nordic	NX.HQB ED.007	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-52P2	UK	NX.HQB EK.002	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-547P	Nordic	NX.HQB ED.005	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-54VL	Nordic	NX.HQB ED.009	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-550C	Nordic	NX.HQB ED.008	Ci510210U	N13.5QHDGSSRIB /TP1	UMA

Table 7-2. CPU, LCD, VGA Chip (UMACiLR_4T(HQB)) (Continued)

Model	Country	Acer Part No	CPU	LCD	VGA Chip
CP713-2W-553E	Nordic	NX.HQBED.006	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-57L5	Nordic	NX.HQBED.00A	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-5807	Singapore	NX.HQBSG.001	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-584G	Singapore	NX.HQBSG.002	Ci510310U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-7000	Nordic	NX.HQBED.00G	Ci710510U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-7382	Singapore	NX.HQBSG.003	Ci710510U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-73YD	Nordic	NX.HQBED.00D	Ci710510U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-75EA	Nordic	NX.HQBED.00C	Ci710510U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-7733	Nordic	NX.HQBED.00B	Ci710510U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-77XE	Nordic	NX.HQBED.00E	Ci710510U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-796M	Nordic	NX.HQBED.00F	Ci710510U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P4HB	Romania	NX.HQBEX.001	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P51X	Nordic	NX.HQBED.001	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P6H4	Bulgaria	NX.HQBEX.002	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P7V5	Nordic	NX.HQBED.002	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-36TD	Italy	NX.HQBET.002	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P7H1	France	NX.HQBEB.004	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P4VH	France	NX.HQBEB.005	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-513J	France	NX.HQBEB.006	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-58AU	France	NX.HQBEB.007	Ci510210U	N13.5QHDGSSRIB /TP1	UMA

Table 7-2. CPU, LCD, VGA Chip (UMACiLR_4T(HQB)) (Continued)

Model	Country	Acer Part No	CPU	LCD	VGA Chip
CP713-2W-50CR	Hong Kong	NX.HQBCF.002	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-779 Q	Hong Kong	NX.HQBCF.001	Ci710510U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-3674	Hong Kong	NX.HQBCF.003	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-53BR	France	NX.HQBEF.008	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-56L3	France	NX.HQBEF.009	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-34CU	Czech	NX.HQBEC.002	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-58SV	France	NX.HQBEF.00A	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-74KU	GCTWN	NX.HQBTA.001	Ci710610U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-33XW	Spain	NX.HQBEB.002	Ci310110U	N13.5QHDGSSRIB /TP1	UMA

Table 7-3. Memory, HDD (UMACiLR_4T(HQB))

Model	Country	Acer Part No	Memory	HDD
CP713-2W-36LN	UK	NX.HQBEEK.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-373X	France	NX.HQBEF.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-38P1	USA	NX.HQBAA.001	OB8GBIV(512x16*8)	F80256PM
CP713-2W-53S7	France	NX.HQBEF.003	OB8GBIV(512x16*8)	F80256PM
CP713-2W-568T	USA	NX.HQBAA.002	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-79H3	USA	NX.HQBAA.003	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-P4TE	Spain	NX.HQBEB.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-30MC	Nordic	NX.HQBED.004	OB8GBIV(512x16*8)	F80128PM
CP713-2W-30VF	France	NX.HQBEF.002	OB8GBIV(512x16*8)	F80256PM
CP713-2W-32D9	Romania	NX.HQBEX.004	OB8GBIV(512x16*8)	F80128PM
CP713-2W-33FF	Nordic	NX.HQBED.003	OB4GBIV(512x16*4)	F80128PM
CP713-2W-35J8	Bulgaria	NX.HQBEX.003	OB8GBIV(512x16*8)	F80128PM
CP713-2W-366G	Italy	NX.HQBET.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-380B	Czech	NX.HQBEC.001	OB4GBIV(512x16*4)	F80128PM
CP713-2W-52HF	Nordic	NX.HQBED.007	OB8GBIV(512x16*8)	F80128PM

Table 7-3. Memory, HDD (UMACiLR_4T(HQB)) (Continued)

Model	Country	Acer Part No	Memory	HDD
CP713-2W-52P2	UK	NX.HQB EK.002	OB8GBIV(512x16*8)	F80256PM
CP713-2W-547P	Nordic	NX.HQB ED.005	OB4GBIV(512x16*4)	F80128PM
CP713-2W-54VL	Nordic	NX.HQB ED.009	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-550C	Nordic	NX.HQB ED.008	OB8GBIV(512x16*8)	F80256PM
CP713-2W-553E	Nordic	NX.HQB ED.006	OB4GBIV(512x16*4)	F80256PM
CP713-2W-57L5	Nordic	NX.HQB ED.00A	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-5807	Singapore	NX.HQB SG.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-584G	Singapore	NX.HQB SG.002	OB8GBIV(512x16*8)	F80128PM
CP713-2W-7000	Nordic	NX.HQB ED.00G	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-7382	Singapore	NX.HQB SG.003	OB8GBIV(512x16*8)	F80128PM
CP713-2W-73YD	Nordic	NX.HQB ED.00D	OB8GBIV(512x16*8)	F80128PM
CP713-2W-75EA	Nordic	NX.HQB ED.00C	OB4GBIV(512x16*4)	F80256PM
CP713-2W-7733	Nordic	NX.HQB ED.00B	OB4GBIV(512x16*4)	F80128PM
CP713-2W-77XE	Nordic	NX.HQB ED.00E	OB8GBIV(512x16*8)	F80256PM
CP713-2W-796M	Nordic	NX.HQB ED.00F	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-P4HB	Romania	NX.HQB EX.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-P51X	Nordic	NX.HQB ED.001	OB4GBIV(512x16*4)	F80128PM
CP713-2W-P6H4	Bulgaria	NX.HQB EX.002	OB4GBIV(512x16*4)	F80128PM
CP713-2W-P7V5	Nordic	NX.HQB ED.002	OB8GBIV(512x16*8)	F80128PM
CP713-2W-36TD	Italy	NX.HQB ET.002	OB8GBIV(512x16*8)	F80128PM
CP713-2W-P7H1	France	NX.HQB EF.004	OB8GBIV(512x16*8)	F80128PM
CP713-2W-P4VH	France	NX.HQB EF.005	OB8GBIV(512x16*8)	F80128PM
CP713-2W-513J	France	NX.HQB EF.006	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-58AU	France	NX.HQB EF.007	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-50CR	Hong Kong	NX.HQB CF.002	OB8GBIV(512x16*8)	F80128PM
CP713-2W-779Q	Hong Kong	NX.HQB CF.001	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-3674	Hong Kong	NX.HQB CF.003	OB8GBIV(512x16*8)	F80128PM
CP713-2W-53BR	France	NX.HQB EF.008	OB8GBIV(512x16*8)	F80128PM
CP713-2W-56L3	France	NX.HQB EF.009	OB8GBIV(512x16*8)	F80128PM
CP713-2W-34CU	Czech	NX.HQB EC.002	OB8GBIV(512x16*8)	F80256PM
CP713-2W-58SV	France	NX.HQB EF.00A	OB8GBIV(512x16*8)	F80128PM
CP713-2W-74KU	GCTWN	NX.HQB TA.001	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-33XW	Spain	NX.HQB EB.002	OB8GBIV(512x16*8)	F80128PM

Table 7-4. Wireless LAN, Camera (UMACiLR_4T(HQB))

Model	Country	Acer Part No	Wireless LAN	Camera
CP713-2W-36LN	UK	NX.HQB EK.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-373X	France	NX.HQB EF.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-38P1	USA	NX.HQB AA.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-53S7	France	NX.HQB EF.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-568T	USA	NX.HQB AA.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-79H3	USA	NX.HQB AA.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P4TE	Spain	NX.HQB EB.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-30M C	Nordic	NX.HQB ED.004	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-30VF	France	NX.HQB EF.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-32D9	Romania	NX.HQB EX.004	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-33FF	Nordic	NX.HQB ED.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-35J8	Bulgaria	NX.HQB EX.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-366G	Italy	NX.HQB ET.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-380B	Czech	NX.HQB EC.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-52HF	Nordic	NX.HQB ED.007	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-52P2	UK	NX.HQB EK.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-547P	Nordic	NX.HQB ED.005	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-54VL	Nordic	NX.HQB ED.009	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-550C	Nordic	NX.HQB ED.008	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow

Table 7-4. Wireless LAN, Camera (UMACiiLR_4T(HQB)) (Continued)

Model	Country	Acer Part No	Wireless LAN	Camera
CP713-2W-553E	Nordic	NX.HQBED.006	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-57L5	Nordic	NX.HQBED.00A	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-5807	Singapore	NX.HQBSG.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-584G	Singapore	NX.HQBSG.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-7000	Nordic	NX.HQBED.00G	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-7382	Singapore	NX.HQBSG.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-73YD	Nordic	NX.HQBED.00D	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-75EA	Nordic	NX.HQBED.00C	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-7733	Nordic	NX.HQBED.00B	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-77XE	Nordic	NX.HQBED.00E	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-796M	Nordic	NX.HQBED.00F	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P4HB	Romania	NX.HQBEX.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P51X	Nordic	NX.HQBED.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P6H4	Bulgaria	NX.HQBEX.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P7V5	Nordic	NX.HQBED.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-36TD	Italy	NX.HQBET.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P7H1	France	NX.HQBEB.004	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P4VH	France	NX.HQBEB.005	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-513J	France	NX.HQBEB.006	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-58AU	France	NX.HQBEB.007	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow

Table 7-4. Wireless LAN, Camera (UMACiLR_4T(HQB)) (Continued)

Model	Country	Acer Part No	Wireless LAN	Camera
CP713-2W-50CR	Hong Kong	NX.HQBCF.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-779Q	Hong Kong	NX.HQBCF.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-3674	Hong Kong	NX.HQBCF.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-53BR	France	NX.HQBEF.008	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-56L3	France	NX.HQBEF.009	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-34CU	Czech	NX.HQBEC.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-58SV	France	NX.HQBEF.00A	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-74KU	GCTWN	NX.HQBTA.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-33X W	Spain	NX.HQBEB.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow

Table 7-5. NB Chipset, Battery, Adapter (UMACiLR_4T(HQB))

Model	Country	Acer Part No	NB Chipset	Battery	Adapter
CP713-2W-36LN	UK	NX.HQBK.001	none NB Chipset	48Wh_ 150300	45W_Google PD
CP713-2W-373X	France	NX.HQBEF.001	none NB Chipset	48Wh_ 150300	45W_Google PD
CP713-2W-38P1	USA	NX.HQBAA.001	none NB Chipset	48Wh_ 150300	45W_Google PD
CP713-2W-53S7	France	NX.HQBEF.003	none NB Chipset	48Wh_ 150300	45W_Google PD
CP713-2W-568T	USA	NX.HQBAA.002	none NB Chipset	48Wh_ 150300	45W_Google PD
CP713-2W-79H3	USA	NX.HQBAA.003	none NB Chipset	48Wh_ 150300	45W_Google PD
CP713-2W-P4TE	Spain	NX.HQBEB.001	none NB Chipset	48Wh_ 150300	45W_Google PD
CP713-2W-30MC	Nordic	NX.HQBED.004	none NB Chipset	48Wh_ 150300	45W_Google PD
CP713-2W-30VF	France	NX.HQBEF.002	none NB Chipset	48Wh_ 150300	45W_Google PD

Table 7-5. NB Chipset, Battery, Adapter (UMACiLR_4T(HQB)) (Continued)

Model	Country	Acer Part No	NB Chipset	Battery	Adapter
CP713-2W-32D9	Romania	NX.HQBEX.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-33FF	Nordic	NX.HQBED.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-35J8	Bulgaria	NX.HQBEX.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-366G	Italy	NX.HQBET.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-380B	Czech	NX.HQBEC.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-52HF	Nordic	NX.HQBED.007	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-52P2	UK	NX.HQB EK.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-547P	Nordic	NX.HQBED.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-54VL	Nordic	NX.HQBED.009	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-550C	Nordic	NX.HQBED.008	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-553E	Nordic	NX.HQBED.006	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-57L5	Nordic	NX.HQBED.00A	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-5807	Singapore	NX.HQBSG.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-584G	Singapore	NX.HQBSG.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-7000	Nordic	NX.HQBED.00G	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-7382	Singapore	NX.HQBSG.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-73YD	Nordic	NX.HQBED.00D	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-75EA	Nordic	NX.HQBED.00C	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-7733	Nordic	NX.HQBED.00B	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-77XE	Nordic	NX.HQBED.00E	none NB Chipset	48Wh_150300	45W_Google PD

Table 7-5. NB Chipset, Battery, Adapter (UMACiLR_4T(HQB)) (Continued)

Model	Country	Acer Part No	NB Chipset	Battery	Adapter
CP713-2W-796M	Nordic	NX.HQBED.00F	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P4HB	Romania	NX.HQBEX.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P51X	Nordic	NX.HQBED.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P6H4	Bulgaria	NX.HQBEX.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P7V5	Nordic	NX.HQBED.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-36TD	Italy	NX.HQBET.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P7H1	France	NX.HQBEB.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P4VH	France	NX.HQBEB.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-513J	France	NX.HQBEB.006	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-58AU	France	NX.HQBEB.007	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-50CR	Hong Kong	NX.HQBEB.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-779Q	Hong Kong	NX.HQBEB.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-3674	Hong Kong	NX.HQBEB.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-53BR	France	NX.HQBEB.008	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-56L3	France	NX.HQBEB.009	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-34CU	Czech	NX.HQBEB.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-58SV	France	NX.HQBEB.00A	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-74KU	GCTWN	NX.HQBTA.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-33XW	Spain	NX.HQBEB.002	none NB Chipset	48Wh_150300	45W_Google PD

Table 7-6. RO, Description (UMACiLR_4T_Athena(HWN))

Model	RO	Country	Acer Part No	Description
CP713-2W-51EJ	EMEA	Switzerland	NX.HWNEZ. 001	CP713-2W-51EJ CHROMENCH6 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_DED1 -
CP713-2W-527V	PA	USA	NX.HWNAA .002	CP713-2W-527V CHROME_CEUNUS7 UMACiLR_4T_Athena 510310/1*16G/256G/48Wh/QHD/T_ _WiFi6+BT5_HD_StGray_ENP1 -
CP713-2W-53AW W	EMEA	Germany	NX.HWNEG. 002	CP713-2W-53AW CHROMENDE1 UMACiLR_4T_Athena 510210/1*16G/256G/48Wh/QHD/T_ _WiFi6+BT5_HD_StGray_DE14 -
CP713-2W-54PK	EMEA	UK	NX.HWNEK. 001	CP713-2W-54PK CHROMENGB1 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EN11 -
CP713-2W-57XG	EMEA	UK	NX.HWNEK. 003	CP713-2W-57XG CHROME_CEUNGB4 UMACiLR_4T_Athena 510210/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EN13 -
CP713-2W-58GW W	EMEA	Spain	NX.HWNEB. 002	CP713-2W-58GW CHROMENES1 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ESFF -
CP713-2W-59SE	PA	Canada	NX.HWNAA .005	CP713-2W-59SE CHROMENCA2 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_FRC2 -
CP713-2W-76P2	PA	USA	NX.HWNAA .003	CP713-2W-76P2 CHROME_CEUNUS7 UMACiLR_4T_Athena 710610/1*16G/256G/48Wh/QHD/T_ _WiFi6+BT5_HD_StGray_ENP1 -
CP713-2W-509 M GEDE04	EMEA	Holland	NX.HWNEH. 001	CP713-2W-509M GEDE04 CHROMENNL1 UMACiLR_4T_Athena 510210/1*16G/256G/48Wh/QHD/T_ _WiFi6+BT5_HD_StGray_NLB1 -
CP713-2W-50GD	EMEA	Romania	NX.HWNEX. 001	CP713-2W-50GD CHROMENRO1 UMACiLR_4T_Athena 510210/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EN11 -

Table 7-6. RO, Description (UMACiLR_4T_Athena(HWN)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-50GN GEDE04	AAP	Australia/ New Zealand	NX.HWNSA. 001	CP713-2W-50GN GEDE04 CHROMENAU5 UMACiLR_4T_Athena 510210/1*16G/256G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EH62 -
CP713-2W-51RK	EMEA	France	NX.HWNEF. 002	CP713-2W-51RK CHROMENFR1 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_FRW8 -
CP713-2W-52EB	EMEA	Nordic	NX.HWNED. 004	CP713-2W-52EB CHROMENND1 UMACiLR_4T_Athena 510210/1*16G/256G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-530M	AAP	Singapore	NX.HWNSG. 001	CP713-2W-530M CHROME_CEUNSG7 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-53QJ	AAP	Singapore	NX.HWNSG. 005	CP713-2W-53QJ CHROME_CEUNSG7 UMACiLR_4T_Athena 510310/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-53Z1 GEDE04	PA	USA	NX.HWNAA. .004	CP713-2W-53Z1 GEDE04 CHROMENUS7 UMACiLR_4T_Athena 510210/1*16G/256G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENPD -
CP713-2W-54JA	EMEA	Nordic	NX.HWNED. 003	CP713-2W-54JA CHROMENND1 UMACiLR_4T_Athena 510210/1*16G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-54V4 GEDE04	EMEA	Germany	NX.HWNEG. 003	CP713-2W-54V4 GEDE04 CHROMENDE1 UMACiLR_4T_Athena 510210/1*16G/256G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_DE14 -
CP713-2W-554L	EMEA	France	NX.HWNEF. 001	CP713-2W-554L CHROMENFR1 UMACiLR_4T_Athena 510210/1*8G/256G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_FRW8 -
CP713-2W-55BS GEDE04	AAP	Australia/ New Zealand	NX.HWNSA. 002	CP713-2W-55BS GEDE04 CHROMENAU5 UMACiLR_4T_Athena 510210/1*16G/256G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EH61 -

Table 7-6. RO, Description (UMACiLR_4T_Athena(HWN)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-55ZV	EMEA	UK	NX.HWNEK.002	CP713-2W-55ZV CHROME_CEUNGB4 UMACiLR_4T_Athena 510310/1*8G/256G/48Wh/QHD/T_WiFi6+BT5_HD_StGray_EN13 -
CP713-2W-56RS GEDE04	PA	Mexico	NX.HWNAL.001	CP713-2W-56RS GEDE04 CHROMENMX4E UMACiLR_4T_Athena 510210/1*16G/256G/48Wh/QHD/T_WiFi6+BT5_HD_StGray_N1G1 -
CP713-2W-56UK	EMEA	Spain	NX.HWNEB.001	CP713-2W-56UK CHROMENES1 UMACiLR_4T_Athena 510210/1*16G/128G/48Wh/QHD/T_WiFi6+BT5_HD_StGray_ESFF -
CP713-2W-57B7 GEDE04	EMEA	Germany	NX.HWNEG.005	CP713-2W-57B7 GEDE04 CHROMENDE1 UMACiLR_4T_Athena 510310/1*16G/256G/48Wh/QHD/T_WiFi6+BT5_HD_StGray_DE14 -
CP713-2W-58QM GEDE04	AAP	Thailand	NX.HWNST.001	CP713-2W-58QM GEDE04 CHROMENTH1 UMACiLR_4T_Athena 510210/1*16G/256G/48Wh/QHD/T_WiFi6+BT5_HD_StGray_TH31 -
CP713-2W-58QU	EMEA	France	NX.HWNEF.003	CP713-2W-58QU CHROME_CEUNFR1 UMACiLR_4T_Athena 510210/1*8G/256G/48Wh/QHD/T_WiFi6+BT5_HD_StGray_FRW4 -
CP713-2W-58Y0	EMEA	Germany	NX.HWNEG.004	CP713-2W-58Y0 CHROMENDE1 UMACiLR_4T_Athena 510210/1*16G/256G/48Wh/QHD/T_WiFi6+BT5_HD_StGray_DE14 - DHL Tender
CP713-2W-70Q6	EMEA	Nordic	NX.HWNED.006	CP713-2W-70Q6 CHROMENND1 UMACiLR_4T_Athena 710510/1*8G/256G/48Wh/QHD/T_WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-71XM	EMEA	Nordic	NX.HWNED.008	CP713-2W-71XM CHROMENND1 UMACiLR_4T_Athena 710510/1*16G/256G/48Wh/QHD/T_WiFi6+BT5_HD_StGray_ENS2 -

Table 7-6. RO, Description (UMACiLR_4T_Athena(HWN)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-73J9	AAP	Singapore	NX.HWNSG.006	CP713-2W-73J9 CHROME_CEUNSG7 UMACiLR_4T_Athena 710610/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-75CM	EMEA	Nordic	NX.HWNED.005	CP713-2W-75CM CHROMENND1 UMACiLR_4T_Athena 710510/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-76C7	EMEA	UK	NX.HWNEK.004	CP713-2W-76C7 CHROMENGB1 UMACiLR_4T_Athena 710510/1*16G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EN11 -
CP713-2W-777T	AAP	Singapore	NX.HWNSG.004	CP713-2W-777T CHROME_CEUNSG7 UMACiLR_4T_Athena 710510/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-77LZ	EMEA	Nordic	NX.HWNED.007	CP713-2W-77LZ CHROMENND1 UMACiLR_4T_Athena 710510/1*16G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-7829	AAP	Singapore	NX.HWNSG.002	CP713-2W-7829 CHROME_CEUNSG7 UMACiLR_4T_Athena 710510/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-78B8	EMEA	Spain	NX.HWNEB.003	CP713-2W-78B8 CHROMENES1 UMACiLR_4T_Athena 710510/1*16G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ESFF -
CP713-2W-79TK	AAP	Singapore	NX.HWNSG.003	CP713-2W-79TK CHROME_CEUNSG7 UMACiLR_4T_Athena 710510/1*16G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-597C	AAP	India	NX.HWNSI.001	CP713-2W-597C CHROMENIN1 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ES62 -
CP713-2W-534B	EMEA	Belgium	NX.HWNEH.002	CP713-2W-534B CHROMENBE1 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_NL11 -

Table 7-6. RO, Description (UMACiLR_4T_Athena(HWN)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-53VY	EMEA	Belgium	NX.HWNEH. 004	CP713-2W-53VY CHROME_CEUNBE1 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_NL12 -
CP713-2W-56C5	EMEA	Holland	NX.HWNEH. 003	CP713-2W-56C5 CHROMENNL1 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_NLB1 -
CP713-2W-560V	EMEA	Germany	NX.HWNEG. 001	CP713-2W-560V CHROMENDE1 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_DE14 -
CP713-2W-5715	EMEA	Czech	NX.HWNEC. 001	CP713-2W-5715 CHROME_CEUNCZ2 UMACiLR_4T_Athena 510210/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_CS61 -
CP713-2W-5874	PA	USA	NX.HWNAA .001	CP713-2W-5874 CHROMENUS7 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENP1 -
CP713-2W-51MF	EMEA	Nordic	NX.HWNED. 002	CP713-2W-51MF CHROMENND1 UMACiLR_4T_Athena 510210/1*8G/256G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-51UB	EMEA	Nordic	NX.HWNED. 001	CP713-2W-51UB CHROMENND1 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-50YP	EMEA	UK	NX.HWNEK. 005	CP713-2W-50YP CHROME_CEUNGB4 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EN13 -
CP713-2W-52H5	EMEA	Holland	NX.HWNEH. 005	CP713-2W-52H5 CHROME_CEUNNL1 UMACiLR_4T_Athena 510210/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_NLB1 -
CP713-2W-54AU	EMEA	Spain	NX.HWNEB. 004	CP713-2W-54AU CHROMENES1 UMACiLR_4T_Athena 510210/1*16G/128G/48Wh/QHD/T_ _WiFi6+BT5_HD_StGray_ESF6 - E-Commerce

Table 7-7. CPU, LCD, VGA Chip (UMACiLR_4T_Athena(HWN))

Model	Country	Acer Part No	CPU	LCD	VGA Chip
CP713-2W-51EJ	Switzerland	NX.HWNEZ.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-527V	USA	NX.HWNAA.002	Ci510310U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-53AW	Germany	NX.HWNEG.002	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-54PK	UK	NX.HWNEK.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-57XG	UK	NX.HWNEK.003	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-58GW	Spain	NX.HWNEB.002	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-59SE	Canada	NX.HWNAA.005	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-76P2	USA	NX.HWNAA.003	Ci710610U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-509M GEDE04	Holland	NX.HWNEH.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-50GD	Romania	NX.HWNEX.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-50GN GEDE04	Australia/ New Zealand	NX.HWNSA.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-51RK	France	NX.HWNEF.002	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-52EB	Nordic	NX.HWNED.004	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-530M	Singapore	NX.HWNSG.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-53QJ	Singapore	NX.HWNSG.005	Ci510310U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-53Z1 GEDE04	USA	NX.HWNAA.004	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-54JA	Nordic	NX.HWNED.003	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-54V4 GEDE04	Germany	NX.HWNEG.003	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-554L	France	NX.HWNEF.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA

Table 7-7. CPU, LCD, VGA Chip (UMACiLR_4T_Athena(HWN)) (Continued)

Model	Country	Acer Part No	CPU	LCD	VGA Chip
CP713-2W-55BS GEDE04	Australia/ New Zealand	NX.HWNSA.002	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-55ZV	UK	NX.HWNEK.002	Ci510310U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-56RS GEDE04	Mexico	NX.HWNAL.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-56UK	Spain	NX.HWNEB.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-57B7 GEDE04	Germany	NX.HWNEG.005	Ci510310U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-58QM GEDE04	Thailand	NX.HWNST.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-58QU	France	NX.HWNEF.003	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-58Y0	Germany	NX.HWNEG.004	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-70Q6	Nordic	NX.HWNED.006	Ci710510U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-71XM	Nordic	NX.HWNED.008	Ci710510U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-73J9	Singapore	NX.HWNSG.006	Ci710610U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-75CM	Nordic	NX.HWNED.005	Ci710510U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-76C7	UK	NX.HWNEK.004	Ci710510U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-777T	Singapore	NX.HWNSG.004	Ci710510U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-77LZ	Nordic	NX.HWNED.007	Ci710510U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-7829	Singapore	NX.HWNSG.002	Ci710510U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-78B8	Spain	NX.HWNEB.003	Ci710510U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-79TK	Singapore	NX.HWNSG.003	Ci710510U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-597C	India	NX.HWNSI.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA

Table 7-7. CPU, LCD, VGA Chip (UMACiLR_4T_Athena(HWN)) (Continued)

Model	Country	Acer Part No	CPU	LCD	VGA Chip
CP713-2W-534B	Belgium	NX.HWNEH.002	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-53VY	Belgium	NX.HWNEH.004	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-56C5	Holland	NX.HWNEH.003	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-560V	Germany	NX.HWNEG.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-5715	Czech	NX.HWNEC.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-5874	USA	NX.HWNAA.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-51MF	Nordic	NX.HWNED.002	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-51UB	Nordic	NX.HWNED.001	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-50YP	UK	NX.HWNEK.005	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-52H5	Holland	NX.HWNEH.005	Ci510210U	N13.5QHDGS SRIB/TP1	UMA
CP713-2W-54AU	Spain	NX.HWNEB.004	Ci510210U	N13.5QHDGS SRIB/TP1	UMA

Table 7-8. Memory, HDD (UMACiLR_4T_Athena(HWN))

Model	Country	Acer Part No	Memory	HDD
CP713-2W-51EJ	Switzerland	NX.HWNEZ.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-527V	USA	NX.HWNAA.002	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-53AW	Germany	NX.HWNEG.002	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-54PK	UK	NX.HWNEK.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-57XG	UK	NX.HWNEK.003	OB8GBIV(512x16*8)	F80256PM
CP713-2W-58GW	Spain	NX.HWNEB.002	OB8GBIV(512x16*8)	F80128PM
CP713-2W-59SE	Canada	NX.HWNAA.005	OB8GBIV(512x16*8)	F80128PM
CP713-2W-76P2	USA	NX.HWNAA.003	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-509M GEDE04	Holland	NX.HWNEH.001	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-50GD	Romania	NX.HWNEX.001	OB8GBIV(512x16*8)	F80256PM

Table 7-8. Memory, HDD (UMACiLR_4T_Athena(HWN)) (Continued)

Model	Country	Acer Part No	Memory	HDD
CP713-2W-50GN GEDE04	Australia/ New Zealand	NX.HWNSA.001	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-51RK	France	NX.HWNEF.002	OB8GBIV(512x16*8)	F80128PM
CP713-2W-52EB	Nordic	NX.HWNED.004	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-530M	Singapore	NX.HWNSG.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-53QJ	Singapore	NX.HWNSG.005	OB8GBIV(512x16*8)	F80128PM
CP713-2W-53Z1 GEDE04	USA	NX.HWNAA.004	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-54JA	Nordic	NX.HWNED.003	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-54V4 GEDE04	Germany	NX.HWNEG.003	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-554L	France	NX.HWNEF.001	OB8GBIV(512x16*8)	F80256PM
CP713-2W-55BS GEDE04	Australia/ New Zealand	NX.HWNSA.002	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-55ZV	UK	NX.HWNEK.002	OB8GBIV(512x16*8)	F80256PM
CP713-2W-56RS GEDE04	Mexico	NX.HWNAL.001	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-56UK	Spain	NX.HWNEB.001	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-57B7 GEDE04	Germany	NX.HWNEG.005	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-58QM GEDE04	Thailand	NX.HWNST.001	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-58QU	France	NX.HWNEF.003	OB8GBIV(512x16*8)	F80256PM
CP713-2W-58Y0	Germany	NX.HWNEG.004	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-70Q6	Nordic	NX.HWNED.006	OB8GBIV(512x16*8)	F80256PM
CP713-2W-71XM	Nordic	NX.HWNED.008	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-73J9	Singapore	NX.HWNSG.006	OB8GBIV(512x16*8)	F80128PM
CP713-2W-75CM	Nordic	NX.HWNED.005	OB8GBIV(512x16*8)	F80128PM
CP713-2W-76C7	UK	NX.HWNEK.004	OB16GBIV(1024x16*8)	F80256PM
CP713-2W-777T	Singapore	NX.HWNSG.004	OB8GBIV(512x16*8)	F80256PM
CP713-2W-77LZ	Nordic	NX.HWNED.007	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-7829	Singapore	NX.HWNSG.002	OB8GBIV(512x16*8)	F80128PM
CP713-2W-78B8	Spain	NX.HWNEB.003	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-79TK	Singapore	NX.HWNSG.003	OB16GBIV(1024x16*8)	F80128PM
CP713-2W-597C	India	NX.HWNSI.001	OB8GBIV(512x16*8)	F80128PM

Table 7-8. Memory, HDD (UMACiLR_4T_Athena(HWN)) (Continued)

Model	Country	Acer Part No	Memory	HDD
CP713-2W-534B	Belgium	NX.HWNEH.002	OB8GBIV(512x16*8)	F80128PM
CP713-2W-53VY	Belgium	NX.HWNEH.004	OB8GBIV(512x16*8)	F80128PM
CP713-2W-56C5	Holland	NX.HWNEH.003	OB8GBIV(512x16*8)	F80128PM
CP713-2W-560V	Germany	NX.HWNEG.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-5715	Czech	NX.HWNEC.001	OB8GBIV(512x16*8)	F80256PM
CP713-2W-5874	USA	NX.HWNAA.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-51MF	Nordic	NX.HWNED.002	OB8GBIV(512x16*8)	F80256PM
CP713-2W-51UB	Nordic	NX.HWNED.001	OB8GBIV(512x16*8)	F80128PM
CP713-2W-50YP	UK	NX.HWNEK.005	OB8GBIV(512x16*8)	F80128PM
CP713-2W-52H5	Holland	NX.HWNEH.005	OB8GBIV(512x16*8)	F80128PM
CP713-2W-54AU	Spain	NX.HWNEB.004	OB16GBIV(1024x16*8)	F80128PM

Table 7-9. Wireless LAN, Camera (UMACiLR_4T_Athena(HWN))

Model	Country	Acer Part No	Wireless LAN	Camera
CP713-2W-51EJ	Switzerland	NX.HWNEZ.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-527V	USA	NX.HWNAA.002	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-53AW	Germany	NX.HWNEG.002	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-54PK	UK	NX.HWNEK.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-57XG	UK	NX.HWNEK.003	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-58GW	Spain	NX.HWNEB.002	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-59SE	Canada	NX.HWNAA.005	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-76P2	USA	NX.HWNAA.003	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow

Table 7-9. Wireless LAN, Camera (UMACiiLR_4T_Athena(HWN)) (Continued)

Model	Country	Acer Part No	Wireless LAN	Camera
CP713-2W-509M GEDE04	Holland	NX.HWNEH.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-50GD	Romania	NX.HWNEX.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-50GN GEDE04	Australia/ New Zealand	NX.HWNSA.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-51RK	France	NX.HWNEF.002	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-52EB	Nordic	NX.HWNED.004	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-530M	Singapore	NX.HWNSG.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-53QJ	Singapore	NX.HWNSG.005	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-53Z1 GEDE04	USA	NX.HWNAA.004	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-54JA	Nordic	NX.HWNED.003	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-54V4 GEDE04	Germany	NX.HWNEG.003	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-554L	France	NX.HWNEF.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-55BS GEDE04	Australia/ New Zealand	NX.HWNSA.002	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-55ZV	UK	NX.HWNEK.002	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-56RS GEDE04	Mexico	NX.HWNAL.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow

Table 7-9. Wireless LAN, Camera (UMACiiLR_4T_Athena(HWN)) (Continued)

Model	Country	Acer Part No	Wireless LAN	Camera
CP713-2W-56UK	Spain	NX.HWNEB.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-57B7 GEDE04	Germany	NX.HWNEG.005	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-58QM GEDE04	Thailand	NX.HWNST.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-58QU	France	NX.HWNEF.003	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-58Y0	Germany	NX.HWNEG.004	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-70Q6	Nordic	NX.HWNED.006	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-71XM	Nordic	NX.HWNED.008	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-73J9	Singapore	NX.HWNSG.006	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-75CM	Nordic	NX.HWNED.005	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-76C7	UK	NX.HWNEK.004	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-777T	Singapore	NX.HWNSG.004	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-77LZ	Nordic	NX.HWNED.007	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-7829	Singapore	NX.HWNSG.002	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-78B8	Spain	NX.HWNEB.003	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow

Table 7-9. Wireless LAN, Camera (UMACiiLR_4T_Athena(HWN)) (Continued)

Model	Country	Acer Part No	Wireless LAN	Camera
CP713-2W-79TK	Singapore	NX.HWNSG.003	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-597C	India	NX.HWNSI.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-534B	Belgium	NX.HWNEH.002	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-53VY	Belgium	NX.HWNEH.004	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-56C5	Holland	NX.HWNEH.003	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-560V	Germany	NX.HWNEG.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-5715	Czech	NX.HWNEC.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-5874	USA	NX.HWNAA.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-51MF	Nordic	NX.HWNED.002	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-51UB	Nordic	NX.HWNED.001	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-50YP	UK	NX.HWNEK.005	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-52H5	Holland	NX.HWNEH.005	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-54AU	Spain	NX.HWNEB.004	INTAX201.D2WG .NV_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow

Table 7-10. NB Chipset, Battery, Adapter (UMACiLR_4T_Athena(HWN))

Model	Country	Acer Part No	NB Chipset	Battery	Adapter
CP713-2W-51EJ	Switzerland	NX.HWNEZ.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-527V	USA	NX.HWNAA.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-53AW	Germany	NX.HWNEG.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-54PK	UK	NX.HWNEK.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-57XG	UK	NX.HWNEK.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-58GW	Spain	NX.HWNEB.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-59SE	Canada	NX.HWNAA.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-76P2	USA	NX.HWNAA.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-509M GEDE04	Holland	NX.HWNEH.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-50GD	Romania	NX.HWNEX.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-50GN GEDE04	Australia/New Zealand	NX.HWNSA.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-51RK	France	NX.HWNEF.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-52EB	Nordic	NX.HWNED.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-530M	Singapore	NX.HWNSG.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-53QJ	Singapore	NX.HWNSG.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-53Z1 GEDE04	USA	NX.HWNAA.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-54JA	Nordic	NX.HWNED.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-54V4 GEDE04	Germany	NX.HWNEG.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-554L	France	NX.HWNEF.001	none NB Chipset	48Wh_150300	45W_Google PD

Table 7-10. NB Chipset, Battery, Adapter (UMACiLR_4T_Athena(HWN)) (Continued)

Model	Country	Acer Part No	NB Chipset	Battery	Adapter
CP713-2W-55BS GEDE04	Australia/New Zealand	NX.HWNSA.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-55ZV	UK	NX.HWNEK.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-56RS GEDE04	Mexico	NX.HWNAL.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-56UK	Spain	NX.HWNEB.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-57B7 GEDE04	Germany	NX.HWNEG.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-58QM GEDE04	Thailand	NX.HWNST.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-58QU	France	NX.HWNEF.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-58Y0	Germany	NX.HWNEG.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-70Q6	Nordic	NX.HWNED.006	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-71XM	Nordic	NX.HWNED.008	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-73J9	Singapore	NX.HWNSG.006	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-75CM	Nordic	NX.HWNED.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-76C7	UK	NX.HWNEK.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-777T	Singapore	NX.HWNSG.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-77LZ	Nordic	NX.HWNED.007	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-7829	Singapore	NX.HWNSG.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-78B8	Spain	NX.HWNEB.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-79TK	Singapore	NX.HWNSG.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-597C	India	NX.HWNSI.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-534B	Belgium	NX.HWNEH.002	none NB Chipset	48Wh_150300	45W_Google PD

Table 7-10. NB Chipset, Battery, Adapter (UMACiLR_4T_Athena(HWN)) (Continued)

Model	Country	Acer Part No	NB Chipset	Battery	Adapter
CP713-2W-53VY	Belgium	NX.HWNEH.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-56C5	Holland	NX.HWNEH.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-560V	Germany	NX.HWNEG.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-5715	Czech	NX.HWNEC.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-5874	USA	NX.HWNAA.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-51MF	Nordic	NX.HWNED.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-51UB	Nordic	NX.HWNED.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-50YP	UK	NX.HWNEK.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-52H5	Holland	NX.HWNEH.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-54AU	Spain	NX.HWNEB.004	none NB Chipset	48Wh_150300	45W_Google PD

Table 7-11. RO, Description (UMACiLR_4T_eMMC(HTZ))

Model	RO	Country	Acer Part No	Description
CP713-2W-356L	EMEA	Austria	NX.HTZEV.001	CP713-2W-356L CHROMENAT1 UMACiLR_4T_eMMC 310110/1*8G/64G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_DE11 -
CP713-2W-3666	EMEA	Nordic	NX.HTZED.005	CP713-2W-3666 CHROMENND1 UMACiLR_4T_eMMC 310110/1*4G/64G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-38CB	EMEA	France	NX.HTZEF.005	CP713-2W-38CB CHROMENFR1 UMACiLR_4T_eMMC 310110/1*8G/64G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_FRW8 -
CP713-2W-393J	EMEA	UK	NX.HTZEK.005	CP713-2W-393J CHROMENGB1 UMACiLR_4T_eMMC 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EN11 -
CP713-2W-50T5	EMEA	France	NX.HTZEF.004	CP713-2W-50T5 CHROMENFR1 UMACiLR_4T_eMMC 510210/1*8G/64G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_FRW8 -
CP713-2W-P2JR	EMEA	UK	NX.HTZEK.006	CP713-2W-P2JR CHROMENGB1 UMACiLR_4T_eMMC 6405/1*4G/64G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_EN11 -
CP713-2W-31XW	EMEA	UK	NX.HTZEK.004	CP713-2W-31XW CHROME_CEUNGB4 UMACiLR_4T_eMMC 310110/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_EN13 -
CP713-2W-32RN	EMEA	France	NX.HTZEF.001	CP713-2W-32RN CHROMENFR1 UMACiLR_4T_eMMC 310110/1*8G/64G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_FRW8 - CRR3Y
CP713-2W-33DY	EMEA	Nordic	NX.HTZED.007	CP713-2W-33DY CHROMENND1 UMACiLR_4T_eMMC 310110/1*8G/64G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-34K3	AAP	Japan	NX.HTZSJ.001	CP713-2W-34K3 CHROMENJP9 UMACiLR_4T_eMMC 310110/1*8G/64G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_JA13 -

Table 7-11. RO, Description (UMACiLR_4T_eMMC(HTZ)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-37DT	AAP	Japan	NX.HTZSJ.002	CP713-2W-37DT CHROMENJP9 UMACiLR_4T_eMMC 310110/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_JA13 -
CP713-2W-37W2	EMEA	Nordic	NX.HTZED.006	CP713-2W-37W2 CHROMENND1 UMACiLR_4T_eMMC 310110/1*4G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-37WP	EMEA	Czech	NX.HTZEC.001	CP713-2W-37WP CHROME_CEUNCZ2 UMACiLR_4T_eMMC 310110/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_CS61 -
CP713-2W-38CL	EMEA	UK	NX.HTZEK.001	CP713-2W-38CL CHROMENGB1 UMACiLR_4T_eMMC 310110/1*4G/64G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EN11 -
CP713-2W-38YB	AAP	Australia/ New Zealand	NX.HTZSA.001	CP713-2W-38YB CHROME_CEUNAU5 UMACiLR_4T_eMMC 310110/1*8G/64G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-50MK	EMEA	Nordic	NX.HTZED.00A	CP713-2W-50MK CHROMENND1 UMACiLR_4T_eMMC 510210/1*8G/64G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-50QM	EMEA	France	NX.HTZEF.002	CP713-2W-50QM CHROMENFR1 UMACiLR_4T_eMMC 510210/1*8G/64G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_FRW8 - CRR3Y
CP713-2W-517C	EMEA	UK	NX.HTZEK.002	CP713-2W-517C CHROMENGB1 UMACiLR_4T_eMMC 510210/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EN11 -
CP713-2W-51MN	AAP	Singapore	NX.HTZSG.001	CP713-2W-51MN CHROME_CEUNSG7 UMACiLR_4T_eMMC 510210/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-544K	AAP	Japan	NX.HTZSJ.003	CP713-2W-544K CHROMENJP9 UMACiLR_4T_eMMC 510210/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_JA13 -

Table 7-11. RO, Description (UMACiLR_4T_eMMC(HTZ)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-5481	EMEA	Nordic	NX.HTZED.009	CP713-2W-5481 CHROMENND1 UMACiLR_4T_eMMC 510210/1*4G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-54UY	EMEA	France	NX.HTZEF.003	CP713-2W-54UY CHROMENFR1 UMACiLR_4T_eMMC 510210/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_FRW8 -
CP713-2W-56RK	EMEA	Nordic	NX.HTZED.00B	CP713-2W-56RK CHROMENND1 UMACiLR_4T_eMMC 510210/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-P0NY	EMEA	France	NX.HTZEF.006	CP713-2W-P0NY CHROMENFR1 UMACiLR_4T_eMMC 6405/1*8G/64G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_FRW8 -
CP713-2W-P5GP	AAP	Singapo re	NX.HTZSG.002	CP713-2W-P5GP CHROMENSG7 UMACiLR_4T_eMMC 6405/1*4G/64G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_EH61 -
CP713-2W-P8JX	EMEA	Spain	NX.HTZEB.001	CP713-2W-P8JX CHROMENES1 UMACiLR_4T_eMMC 6405/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ESFF -
CP713-2W-P9YE	EMEA	Nordic	NX.HTZED.004	CP713-2W-P9YE CHROMENND1 UMACiLR_4T_eMMC 6405/1*8G/128G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-P0ZJ	EMEA	Holland	NX.HTZEH.001	CP713-2W-P0ZJ CHROMENNL1 UMACiLR_4T_eMMC 6405/1*4G/64G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_NLB1 -
CP713-2W-36XP	EMEA	Belgium	NX.HTZEH.004	CP713-2W-36XP CHROMENBE1 UMACiLR_4T_eMMC 310110/1*8G/64G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_NL11 -
CP713-2W-39PF	EMEA	Holland	NX.HTZEH.002	CP713-2W-39PF CHROMENNL1 UMACiLR_4T_eMMC 310110/1*8G/64G/48Wh/QHD/T_ WiFi6+BT5_HD_StGray_NLB1 -
CP713-2W-P00C	EMEA	Belgium	NX.HTZEH.003	CP713-2W-P00C CHROMENBE1 UMACiLR_4T_eMMC 6405/1*4G/64G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_NL11 -

Table 7-11. RO, Description (UMACiLR_4T_eMMC(HTZ)) (Continued)

Model	RO	Country	Acer Part No	Description
CP713-2W-39PM	EMEA	Nordic	NX.HTZED.008	CP713-2W-39PM CHROMENND1 UMACiLR_4T_eMMC 310110/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-P5B7	EMEA	Nordic	NX.HTZED.002	CP713-2W-P5B7 CHROMENND1 UMACiLR_4T_eMMC 6405/1*4G/128G/48Wh/QHD/T WiFi6+BT5_HD_StGray_ENS2 -
CP713-2W-39JE	CHINA	Hong Kong	NX.HTZCF.001	CP713-2W-39JE CHROMENHK2 UMACiLR_4T_eMMC 310110/1*4G/64G/48Wh/QHD/T WiFi6+BT5_HD_StGray_ZH34 -
CP713-2W-P289	CHINA	Hong Kong	NX.HTZCF.002	CP713-2W-P289 CHROMENHK2 UMACiLR_4T_eMMC 6405/1*4G/64G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_ZH34 -
CP713-2W-39L9	AAP	Japan	NX.HTZSJ.004	CP713-2W-39L9 CHROMENJP6 UMACiLR_4T_eMMC 310110/1*8G/64G/48Wh/QHD/T WiFi6+BT5_HD_StGray_JA11 -
CP713-2W-3616	AAP	Japan	NX.HTZSJ.005	CP713-2W-3616 CHROMENJP6 UMACiLR_4T_eMMC 310110/1*8G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_JA11 -
CP713-2W-34SJ	EMEA	UK	NX.HTZEK.003	CP713-2W-34SJ CHROMENGB1 UMACiLR_4T_eMMC 310110/1*4G/128G/48Wh/QHD/T _WiFi6+BT5_HD_StGray_EN11 -
CP713-2W-P900	EMEA	Nordic	NX.HTZED.003	CP713-2W-P900 CHROMENND1 UMACiLR_4T_eMMC 6405/1*8G/64G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_ENS2 -
CP713-2W-P6QA	EMEA	Nordic	NX.HTZED.001	CP713-2W-P6QA CHROMENND1 UMACiLR_4T_eMMC 6405/1*4G/64G/48Wh/QHD/T_Wi Fi6+BT5_HD_StGray_ENS2 -
CP713-2W-5725	EMEA	South Africa	NX.HTZEA.001	CP713-2W-5725 CHROMENZA2 UMACiLR_4T_eMMC 510210/1*8G/64G/48Wh/QHD/T WiFi6+BT5_HD_StGray_EH61 -
CP713-2W-35DH	PA	Mexico	NX.HTZAL.001	CP713-2W-35DH CHROMENMX4E UMACiLR_4T_eMMC 310110/1*8G/64G/48Wh/QHD/T WiFi6+BT5_HD_StGray_N1G1 -

Table 7-12. CPU, LCD, VGA Chip (UMACiLR_4T_eMMC(HTZ))

Model	Country	Acer Part No	CPU	LCD	VGA Chip
CP713-2W-356L	Austria	NX.HTZEV.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-3666	Nordic	NX.HTZED.005	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-38CB	France	NX.HTZEF.005	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-393J	UK	NX.HTZEK.005	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-50T5	France	NX.HTZEF.004	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P2JR	UK	NX.HTZEK.006	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-31XW	UK	NX.HTZEK.004	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-32RN	France	NX.HTZEF.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-33DY	Nordic	NX.HTZED.007	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-34K3	Japan	NX.HTZSJ.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-37DT	Japan	NX.HTZSJ.002	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-37W2	Nordic	NX.HTZED.006	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-37WP	Czech	NX.HTZEC.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-38CL	UK	NX.HTZEK.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-38YB	Australia/ New Zealand	NX.HTZSA.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-50MK	Nordic	NX.HTZED.00A	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-50QM	France	NX.HTZEF.002	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-517C	UK	NX.HTZEK.002	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-51MN	Singapore	NX.HTZSG.001	Ci510210U	N13.5QHDGSSRIB /TP1	UMA

Table 7-12. CPU, LCD, VGA Chip (UMACiLR_4T_eMMC(HTZ)) (Continued)

Model	Country	Acer Part No	CPU	LCD	VGA Chip
CP713-2W-544K	Japan	NX.HTZSJ.003	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-5481	Nordic	NX.HTZED.009	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-54UY	France	NX.HTZEF.003	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-56RK	Nordic	NX.HTZED.00B	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P0NY	France	NX.HTZEF.006	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P5GP	Singapore	NX.HTZSG.002	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P8JX	Spain	NX.HTZEB.001	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P9YE	Nordic	NX.HTZED.004	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P0ZJ	Holland	NX.HTZEH.001	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-36XP	Belgium	NX.HTZEH.004	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-39PF	Holland	NX.HTZEH.002	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P00C	Belgium	NX.HTZEH.003	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-39P M	Nordic	NX.HTZED.008	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P5B7	Nordic	NX.HTZED.002	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-39JE	Hong Kong	NX.HTZCF.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P289	Hong Kong	NX.HTZCF.002	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-39L9	Japan	NX.HTZSJ.004	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-3616	Japan	NX.HTZSJ.005	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-34SJ	UK	NX.HTZEK.003	Ci310110U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-P900	Nordic	NX.HTZED.003	PMD6405U	N13.5QHDGSSRIB /TP1	UMA

Table 7-12. CPU, LCD, VGA Chip (UMACiLR_4T_eMMC(HTZ)) (Continued)

Model	Country	Acer Part No	CPU	LCD	VGA Chip
CP713-2W-P6Q A	Nordic	NX.HTZED.001	PMD6405U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-5725	South Africa	NX.HTZEA.001	Ci510210U	N13.5QHDGSSRIB /TP1	UMA
CP713-2W-35DH	Mexico	NX.HTZAL.001	Ci310110U	N13.5QHDGSSRIB /TP1	UMA

Table 7-13. Memory, HDD (UMACiLR_4T_eMMC(HTZ))

Model	Country	Acer Part No	Memory	HDD
CP713-2W-356L	Austria	NX.HTZEV.001	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-3666	Nordic	NX.HTZED.005	OB4GBIV(512x16*4)	eMMC64GB
CP713-2W-38CB	France	NX.HTZEF.005	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-393J	UK	NX.HTZEK.005	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-50T5	France	NX.HTZEF.004	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-P2JR	UK	NX.HTZEK.006	OB4GBIV(512x16*4)	eMMC64GB
CP713-2W-31XW	UK	NX.HTZEK.004	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-32RN	France	NX.HTZEF.001	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-33DY	Nordic	NX.HTZED.007	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-34K3	Japan	NX.HTZSJ.001	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-37DT	Japan	NX.HTZSJ.002	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-37W2	Nordic	NX.HTZED.006	OB4GBIV(512x16*4)	eMMC128GB
CP713-2W-37WP	Czech	NX.HTZEC.001	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-38CL	UK	NX.HTZEK.001	OB4GBIV(512x16*4)	eMMC64GB
CP713-2W-38YB	Australia/New Zealand	NX.HTZSA.001	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-50MK	Nordic	NX.HTZED.00A	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-50QM	France	NX.HTZEF.002	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-517C	UK	NX.HTZEK.002	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-51MN	Singapore	NX.HTZSG.001	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-544K	Japan	NX.HTZSJ.003	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-5481	Nordic	NX.HTZED.009	OB4GBIV(512x16*4)	eMMC128GB
CP713-2W-54UY	France	NX.HTZEF.003	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-56RK	Nordic	NX.HTZED.00B	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-P0NY	France	NX.HTZEF.006	OB8GBIV(512x16*8)	eMMC64GB

Table 7-13. Memory, HDD (UMACiLR_4T_eMMC(HTZ)) (Continued)

Model	Country	Acer Part No	Memory	HDD
CP713-2W-P5GP	Singapore	NX.HTZSG.002	OB4GBIV(512x16*4)	eMMC64GB
CP713-2W-P8JX	Spain	NX.HTZEB.001	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-P9YE	Nordic	NX.HTZED.004	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-P0ZJ	Holland	NX.HTZEH.001	OB4GBIV(512x16*4)	eMMC64GB
CP713-2W-36XP	Belgium	NX.HTZEH.004	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-39PF	Holland	NX.HTZEH.002	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-P00C	Belgium	NX.HTZEH.003	OB4GBIV(512x16*4)	eMMC64GB
CP713-2W-39PM	Nordic	NX.HTZED.008	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-P5B7	Nordic	NX.HTZED.002	OB4GBIV(512x16*4)	eMMC128GB
CP713-2W-39JE	Hong Kong	NX.HTZCF.001	OB4GBIV(512x16*4)	eMMC64GB
CP713-2W-P289	Hong Kong	NX.HTZCF.002	OB4GBIV(512x16*4)	eMMC64GB
CP713-2W-39L9	Japan	NX.HTZSJ.004	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-3616	Japan	NX.HTZSJ.005	OB8GBIV(512x16*8)	eMMC128GB
CP713-2W-34SJ	UK	NX.HTZEK.003	OB4GBIV(512x16*4)	eMMC128GB
CP713-2W-P900	Nordic	NX.HTZED.003	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-P6QA	Nordic	NX.HTZED.001	OB4GBIV(512x16*4)	eMMC64GB
CP713-2W-5725	South Africa	NX.HTZEA.001	OB8GBIV(512x16*8)	eMMC64GB
CP713-2W-35DH	Mexico	NX.HTZAL.001	OB8GBIV(512x16*8)	eMMC64GB

Table 7-14. Wireless LAN, Camera (UMACiLR_4T_eMMC(HTZ))

Model	Country	Acer Part No	Wireless LAN	Camera
CP713-2W-356L	Austria	NX.HTZEV.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-3666	Nordic	NX.HTZED.005	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-38CB	France	NX.HTZEF.005	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-393J	UK	NX.HTZEK.005	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-50T5	France	NX.HTZEF.004	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P2JR	UK	NX.HTZEK.006	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-31XW	UK	NX.HTZEK.004	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow

Table 7-14. Wireless LAN, Camera (UMACiLR_4T_eMMC(HTZ)) (Continued)

Model	Country	Acer Part No	Wireless LAN	Camera
CP713-2W-32RN	France	NX.HTZEF.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-33DY	Nordic	NX.HTZED.007	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-34K3	Japan	NX.HTZSJ.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-37DT	Japan	NX.HTZSJ.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-37W2	Nordic	NX.HTZED.006	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-37WP	Czech	NX.HTZEC.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-38CL	UK	NX.HTZEK.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-38YB	Australia/ New Zealand	NX.HTZSA.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-50MK	Nordic	NX.HTZED.00 A	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-50QM	France	NX.HTZEF.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-517C	UK	NX.HTZEK.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-51MN	Singapore	NX.HTZSG.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-544K	Japan	NX.HTZSJ.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-5481	Nordic	NX.HTZED.009	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-54UY	France	NX.HTZEF.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-56RK	Nordic	NX.HTZED.00 B	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P0NY	France	NX.HTZEF.006	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P5GP	Singapore	NX.HTZSG.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P8JX	Spain	NX.HTZEB.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow

Table 7-14. Wireless LAN, Camera (UMACiLR_4T_eMMC(HTZ)) (Continued)

Model	Country	Acer Part No	Wireless LAN	Camera
CP713-2W-P9YE	Nordic	NX.HTZED.004	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P0ZJ	Holland	NX.HTZEH.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-36XP	Belgium	NX.HTZEH.004	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-39PF	Holland	NX.HTZEH.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P00C	Belgium	NX.HTZEH.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-39PM	Nordic	NX.HTZED.008	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P5B7	Nordic	NX.HTZED.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-39JE	Hong Kong	NX.HTZCF.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P289	Hong Kong	NX.HTZCF.002	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-39L9	Japan	NX.HTZSJ.004	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-3616	Japan	NX.HTZSJ.005	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-34SJ	UK	NX.HTZEK.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P900	Nordic	NX.HTZED.003	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-P6QA	Nordic	NX.HTZED.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-5725	South Africa	NX.HTZEA.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow
CP713-2W-35DH	Mexico	NX.HTZAL.001	INTAX201.D2WG.N V_AX_w/BT 5.0 1216	HD_Mic2_Chrome _Narrow

Table 7-15. NB Chipset, Battery, Adapter (UMACiLR_4T_eMMC(HTZ))

Model	Country	Acer Part No	NB Chipset	Battery	Adapter
CP713-2W-356L	Austria	NX.HTZEV.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-3666	Nordic	NX.HTZED.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-38CB	France	NX.HTZEF.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-393J	UK	NX.HTZEK.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-50T5	France	NX.HTZEF.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P2JR	UK	NX.HTZEK.006	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-31XW	UK	NX.HTZEK.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-32RN	France	NX.HTZEF.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-33DY	Nordic	NX.HTZED.007	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-34K3	Japan	NX.HTZSJ.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-37DT	Japan	NX.HTZSJ.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-37W2	Nordic	NX.HTZED.006	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-37WP	Czech	NX.HTZEC.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-38CL	UK	NX.HTZEK.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-38YB	Australia/New Zealand	NX.HTZSA.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-50MK	Nordic	NX.HTZED.00 A	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-50QM	France	NX.HTZEF.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-517C	UK	NX.HTZEK.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-51MN	Singapore	NX.HTZSG.001	none NB Chipset	48Wh_150300	45W_Google PD

Table 7-15. NB Chipset, Battery, Adapter (UMACiLR_4T_eMMC(HTZ)) (Continued)

Model	Country	Acer Part No	NB Chipset	Battery	Adapter
CP713-2W-544K	Japan	NX.HTZSJ.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-5481	Nordic	NX.HTZED.009	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-54UY	France	NX.HTZEF.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-56RK	Nordic	NX.HTZED.00 B	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P0NY	France	NX.HTZEF.006	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P5GP	Singapore	NX.HTZSG.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P8JX	Spain	NX.HTZEB.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P9YE	Nordic	NX.HTZED.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P0ZJ	Holland	NX.HTZEH.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-36XP	Belgium	NX.HTZEH.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-39PF	Holland	NX.HTZEH.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P00C	Belgium	NX.HTZEH.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-39PM	Nordic	NX.HTZED.008	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P5B7	Nordic	NX.HTZED.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-39JE	Hong Kong	NX.HTZCF.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P289	Hong Kong	NX.HTZCF.002	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-39L9	Japan	NX.HTZSJ.004	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-3616	Japan	NX.HTZSJ.005	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-34SJ	UK	NX.HTZEK.003	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-P900	Nordic	NX.HTZED.003	none NB Chipset	48Wh_150300	45W_Google PD

Table 7-15. NB Chipset, Battery, Adapter (UMACiLR_4T_eMMC(HTZ)) (Continued)

Model	Country	Acer Part No	NB Chipset	Battery	Adapter
CP713-2W-P6QA	Nordic	NX.HTZED.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-5725	South Africa	NX.HTZEA.001	none NB Chipset	48Wh_150300	45W_Google PD
CP713-2W-35DH	Mexico	NX.HTZAL.001	none NB Chipset	48Wh_150300	45W_Google PD

CHAPTER 8

Test Compatible Components

Chrome OS Environment Test..... 8-4

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 Chrome OS 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 Chromebook CP713-2W. Compatibility Test Report released by the Acer Mobile System Testing Department.

Chrome OS Environment Test

Table 8-1. Test Compatible Components

Vendor	Type	Description	Part No.
A Cover			
10001028 QUANTA	Steel Gray 13 AL ANO	QUANTA A cover Steel Gray 13 AL ANO	NC.21011.0LY
Adapter			
60035715 DELTA-SINGAPORE	45W_Google PD	Adapter DELTA 45W 5V/3A_9V/3A_12V/3A_15V/3A_2 0V/2.25A Type C ADP-45HG BA LF Black Meet CoC Tier-2 & IEC 62368	KP.04501.023
60036752 LITE-ON SINGAPORE	45W_Google PD	Adapter LITE-ON 45W 5V/3A_9V/3A_12V/3A_15V/3A_2 0V/2.25A Type C PA-1450-50AD LF Black Meet DOE6, CoC Tier2, IEC 62368	KP.04503.014
60016453 CHICONY POWER	45W_Google PD	Adapter Chicony Power 45W 5V/3A_9V/3A_12V/3A_15V/3A_2 0V/2.25A Type C A045RP05P LF Black Meet DOE6, CoC Tier2, IEC 62368	KP.0450H.012
Audio Codec			
10000981 MISC	Non-AVAP Audio Codec	Non-AVAP Audio Codec WW	NC.21011.00V
B Cover			
10001028 QUANTA	Black 13 PC+ABS Texture w/ Camera	QUANTA B cover Black 13 PC+ABS Texture w/ Camera	NC.21011.0LZ
Battery			
60060184 MURATA-TWN	3CELL4.2	Battery MURATA Typ.48Wh 4200mAh 3S1P AP18C4K 248x84.4x5.5(mm) AP18C 11.4V 60W Polymer	KT.00304.012
60032811 LGC	3CELL4.2	Battery LGC Typ.50Wh 4470mAh 3S1P AP18C8K 248x84.4x5.5(mm) AP18C 11.25V 65W Polymer	KT.0030G.020
10000981 MISC	48Wh_150300	Battery 48Wh_150300	KT.DUM00.004
C Cover			
10001028 QUANTA	Steel Gray 13 PC+ABS Painting	Quanta C cover Steel Gray 13 PC+ABS Painting	NC.21011.0X9

Table 8-1. Test Compatible Components (Continued)

Vendor	Type	Description	Part No.
Camera			
10256402 CHICONY	HD_Mic2_Chrome_Narrow	Camera CHICONY HD Camera CH_GC1009_RTS5846N_Powertip_ZTS6735_Chrome Y3.2mm (dual Mic distance 66mm)	KS.0HD06.018
10174742 TECH-FRONT(CQ)	HD_Mic2_Chrome_Narrow	Camera Tech-Front HD Camera TF_OV9734_SPCA2087N_AOET_ZTS6735_Chrome Y3.2mm (dual Mic distance 66mm)	KS.0HD0Q.008
CPU			
10001067 INTEL	Ci310110U	CPU(BGA) Intel Core i3 i3-10110U BGA 4M 15W V0 Comet Lake	KC.10101.U00
10001067 INTEL	Ci310110U	CPU(BGA) Intel Core i3 i3-10110U BGA 4M 15W A0 Comet Lake 6 core fused	KC.10101.U0F
10001067 INTEL	Ci510210U	CPU(BGA) Intel Core i5 i5-10210U BGA 8M 15W V0 Comet Lake	KC.10201.U00
10001067 INTEL	Ci510210U	CPU(BGA) Intel Core i5 i5-10210U BGA 8M 15W A0 Comet Lake 6 Core fused	KC.10201.U0F
10001067 INTEL	Ci510310U	CPU(BGA) Intel Core i5 i5-10310U BGA 1.7G 8M 15W V0 Comet Lake vPRO	KC.10301.U00
10001067 INTEL	Ci710510U	CPU(BGA) Intel Core i7 i7-10510U BGA 8M 15W V0 Comet Lake	KC.10501.U00
10001067 INTEL	Ci710610U	CPU(BGA) Intel Core i7 i7-10610U BGA 1.8G 8M 15W V0 Comet Lake vPRO	KC.10601.U00
10001067 INTEL	PMD6405U	CPU(BGA) Intel Pentium 6405U BGA 2.4G 15W V0 Comet Lake	KC.64001.5UB
D Cover			
10001028 QUANTA	Steel Gray 13 AL ANO GB	QUANTA D cover Steel Gray 13 AL ANO GB	NC.21011.0M1
HDD			
60058983 SANDISK	F80128PM	Flash Disk SANDISK SSD NAND 128GB SDAPNUW-128G-1014 LF+HF	KN.1280D.010

Table 8-1. Test Compatible Components (Continued)

Vendor	Type	Description	Part No.
60002045 SK HYNIX	F80128PM	Flash Disk HYNIX SSD NAND 128GB HFM128GDJTNG-8310A LF+HF	KN.1280G.006
60058983 SANDISK	F80256PM	Flash Disk SANDISK SSD NAND 256GB BiCS4 SN530 SDBPNPZ-256G-1014 LF+HF	KN.2560D.014
60058983 SANDISK	F80256PM	Flash Disk SANDISK SSD NAND 256GB BiCS4 SN530 SDBPNPZ-256G-1114 LF+HF	KN.2560D.017
60002045 SK HYNIX	F80256PM	Flash Disk HYNIX SSD NAND 256GB M.2 2280 BC511 HFM256GDJTNI-82A0A LF+HF	KN.2560G.029
60058983 SANDISK	eMMC128GB	eMMC SANDISK NAND 128GB SDINBDA4-128-1220W LF+HF FW QS1.1D	KN.1280D.011
60058983 SANDISK	eMMC64GB	eMMC SANDISK NAND 64GB SDINBDA4-64-1220W LF+HF FW:QS1.1D	KN.0640D.009
Keyboard			
10001044 CHICONY	AL01G_C19EWL	Phantom KB CHICONY AL01G_C19EWL AL1G Internal 11 Standard Gray Chrome OS,Full Size White BL "Lock" 6S2P V0 Mylar	NK.I1113.0TW
LAN			
10000981 MISC	none LAN	LAN none LAN without LAN	NI.22400.051
LCD			
10325082 GENERAL INTERFACE	N13.5QHDGSSRIB /TP1	LED LCD Panel GIS 13.5' QHD Glare NE135FBM-N41/NC135GFL01 LF 415nit 30ms 1500:1 GF2/MM/Gorilla 0.55mm/6918/COB/I2C	KL.1350G.001
10325082 GENERAL INTERFACE	N13.5QHDGSSRIB /TP1	LED LCD Panel GIS 13.5' QHD Glare NE135FBM-N41 V8.1/AN1350003001 LF 415nit 30ms 1500:1 GF2/MM/Gorilla 0.55mm/6918/COB/I2C/DC mode	KL.1350G.003
Memory			
60002050 MICRON SG	CM16GbIV	Memory Chip MICRON DDRIV 2666 16Gb MT40A1G16KNR-075:E LF+HF 1024*16 Z11B	KN.01604.003

Table 8-1. Test Compatible Components (Continued)

Vendor	Type	Description	Part No.
60002045 SK HYNIX	CM16GbIV	Memory Chip HYNIX DDRIV 2666 16Gb H5ANAG6NCMR-VKC LF+HF 1024*16 AL	KN.0160G.011
60002050 MICRON SG	CM8GbIV	Memory Chip MICRON DDRIV 3200 8Gb MT40A512M16TB-062E:J LF+HF 512*16 Z21C	KN.8GB04.043
60002215 SAMSUNG	CM8GbIV	Memory Chip SAMSUNG DDRIV 2666 8Gb K4A8G165WC-BCTD LF+HF 512*16 D18	KN.8GB0B.063
60002045 SK HYNIX	CM8GbIV	Memory Chip HYNIX DDRIV 2666 8Gb H5AN8G6NCJR-VKC LF+HF 512*16 AL	KN.8GB0G.061
10000981 MISC	OB16GBIV(1024x16*8)	Memory Chip DDRIV 16GB DUMMY LF+HF 1024*16	KN.16G00.004
10000981 MISC	OB4GBIV(512x16*4)	Memory Chip Qimonda DDRIV 4GB Dummy LF+HF 512*16	KN.4GB02.004
60002041 QIMONDA	OB8GBIV(512x16*8)	Memory Chip DDRIV 8GB Dummy LF+HF 512*16	KN.8GB00.007
NB Chipset			
10000981 MISC	none NB Chipset	NB Chipset none NB Chipset without NB Chipset	KI.22600.054
Packaging			
60059923 SEN HSIN	2020-Brown Box-Single U	2020 Brown PZ+Pulp Molded+Single U SY Rev 1.0	NC.25811.0R7
60059923 SEN HSIN	2020-Brown Box-Single U-Athena Sticker	2020 Brown PZ+Pulp Molded+Single U+Athena Sticker SY Rev 1.0	NC.25811.0US
Thermal			
10000981 MISC	Non AVAP Thermal	MISC Non AVAP Thermal	NC.26111.001
Touchpad			
60040786 ELANTECH	CP5CIG3G	Elantech Chromebook 15 SA577C-12C2 105x76.7x0.86mm 6-pin Moisture (0.7mm Glass)	NC.24611.04V
VGA Chip			
10001067 INTEL	UMA	UMA (Intel)	KI.23200.038
WiFi Antenna			
10000105 WNC	PIFA 2017	WNC PIFA WiFi Antenna	NC.23511.00L

Table 8-1. Test Compatible Components (Continued)

Vendor	Type	Description	Part No.
Wireless LAN			
10001067 INTEL	INTAX201.D2WG. NV_AX_w/BT 5.0 1216	Wireless LAN Intel 802.11ax Bluetooth FM AX201.D2WG.NV WiFi 6 AX 2x2 HrP2 M.2 + BT 5.0 1216 No vPro	KE.11X0N.007

CHAPTER 9

Online Support Information

Introduction 9-3

Online Support Information

Introduction

This section describes online technical support services available to help users repair their Acer Systems.

For distributors, dealers, ASP or TPM, please refer the technical queries to a 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 convenient and valuable support resources.

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

- Service guides for all models
- 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 Traveller'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 technical queries.

We are always looking for ways to optimize and improve our services, so do not hesitate to direct any suggestions or comments to us.