Service Manual

Simplified

Notebook Computer

Model No. CF-19FHGAXXM



This is the Service Manual for the following areas. M ...for U.S.A. and Canada

Model No. CF-19FHGAX 1 M

1: Operation System

A: Microsoft® Windows® XP Professional

J: Microsoft® Windows® VISTA Business

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

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WARNING

For U.K.

This apparatus must be earthed for your safety.

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe.

For your safety, if you have any doubt about the effective earthing of the power point, consult a qualified electrician.

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A 3 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 3 amps and that it is approved by ASTA or BSI to BS 1362.

Check for the ASTA mark \diamondsuit or the BSI mark \heartsuit on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

Warning: THIS APPLIANCE MUST BE EARTHED.

Important

The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow: Earth
Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-and-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol \bigoplus coloured GREEN or GREEN-and-YELLOW.

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured RED.

The mains plug on this equipment must be used to disconnect the mains power.

Please ensure that a socket outlet is available near the equipment and shall be easily accessible.

How to replace the fuse

Open the fuse compartment with a screw-driver and replace the fuse.



Warnings

• This equipment is not designed for connection to an IT power system.

(An IT system is a system having no direct connections between live parts and Earth; the exposed-conduciveparts of the electrical installation are earthed.

An IT system is not permitted where the computer is directly connected to public supply systems in the U.K.)

• Disconnect the mains plug from the supply socket when the computer is not in use.

This equipment is produced to BS800/1983.

LASER SAFETY INFORMATION

For U.S.A.

Class 1 LASER-Product

This product is certified to comply with DHHS Rules 21 CFR Subchapter J.

This product complies with European Standard EN60825 (or IEC Publication 825)

For all areas

This equipment is classified as a class 1 level LASER product and there is no hazardous LASER radiation.

Caution:

- (1) Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- (2) The drive is designed to be incorporated into a computer-based system or unit which has an enclosing cover. It should never be used as a stand alone drive.

Danger:

The serviceman should not remove the cover of drive unit and should not service because the drive unit is a nonserviceable part.

Please check DANGER label on PD-drive unit.

• Unplug the AC power cord to the equipment before opening the top cover of the drive.

When the power switch it on, do not place your eyes close to the front panel door to look into the interior of the unit.

LASER Specification

Class 1 level LASER Product Wave Length: DVD 658±8 nm CD 775~815 nm

Laser safety information is appropriate only when drive with laser is installed.

SAFETY PRECAUTIONS

- 1. Before servicing, unplug the power cord to prevent an electric shock.
- 2. When replacing parts, use only manufacture's recommended components for safety.
- 3. Check the condition of the power cord. Replace if wear or damage is evident.
- 4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.

Important Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- 1. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- 2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- 3. Do not use the telephone to report a gas leak in the vicinity of the leak. vicinity of the leak.
- 4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

LITHIUM BATTERY

This computer contains a lithium battery to enable the date, time, and other data to be stored. The battery should only be exchanged by authorized service personel.

Warning! A risk of explosion from incorrect installation or misapplication may possibly occur.

LITHIUM BATTERY A-

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the equipment manufacturer.

Dispose of used batteries according to the manufacturer's instructions.

LITHIUMBATTERIES A

Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie. Ersatz nur durch denselben order einen vom Hersteller empfohlenen ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

- PILE AU LITHIUM 🛆 -

ATTENTION: IL Y A DANGER D'EXPLOSION S' IL Y A REMPLACEMENT INCORRECT DE LA PILE. REMPLACER UNIQUEMENT AVEC UNE PILE DU MÈME TYPE OU D'UN TYPE RECOMMANDÉ PAR LE CONSTRUCTEUR. METTRE AU RÉBUT LES PILES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT.

Precautions (Battery Pack)

Do Not Use with Any Other Product

The battery pack is rechargeable and was intended for the specified product. If it is used with a product other than the one for which it was designed, electrolyte leakage, generation of heat, ignition or rupture may result.

Do Not Charge the Battery Using Methods Other Than Those Specified

If the battery is not charged using one of the specified methods, electrolyte leakage, generation of heat, ignition or rupture may result.

Do Not Throw the Battery Pack into a Fire or Expose It to Excessive Heat

Generation of heat, ignition or rupture may result.

Avoid Extreme Heat (Near the Fire, in Direct Sunlight, for Example)

Electrolyte leakage, generation of heat, ignition or rupture may result.

Do Not Insert Sharp Objects into the Battery Pack, Expose It to Bumps or Shocks, Disassemble, or Modifv It

Electrolyte leakage, generation of heat, ignition or rupture may result.

Do Not Short the Positive (+) and Negative (-) Contacts

Generation of heat, ignition or rupture may result. Do not place the battery pack together with articles such as necklaces or hairpins when carrying or storing.

Do Not Use This Product with a Battery Pack Other Than the One Specified

Use only the specified battery pack with your product. Use of battery packs other than those manufactured and supplied by Panasonic may present a safety hazard (generation of heat, ignition or rupture).



A lithium ion battery that is recyclable powers the product you have purchased.

Please call 1-800-8-BATTERY for information on how to recycle this battery.

L'appareil que vous vous êtes procuré est alimenté par une batterie au lithium-ion.

Pour des renseignements sur le recyclage de la batterie, veuillez composer le 1-800-8-BATTERY.

- Do not touch the terminals on the battery pack. The battery pack may no longer function properly if the contacts are dirty or damaged.
- Do not expose the battery pack to water, or allow it to become wet.
- If the battery pack will not be used for a long period of time (a month or more), charge or discharge (use) the battery pack until the remaining battery level becomes 30% to 40% and store it in a cool, dry place.
- This computer prevents overcharging of the battery by recharging only when the remaining power is less than approx. 95% (when Economy Mode (ECO) is enabled: 75%) of capacity.
- The battery pack is not charged when the computer is first purchased. Be sure to charge it before using it for the first time. When the AC adaptor is connected to the computer, charging begins automatically.
- Should the battery leak and the fluid get into your eyes, do not rub your eyes. Immediately flush your eyes with clear water and see a doctor for medical treatment as soon as possible.

NOTE

- The battery pack may become warm during recharging or normal use. This is completely normal.
- Recharging will not commence if internal temperature of the battery pack is outside of the allowable temperature range (0 °C to 55 °C {32 °F to 131
 - °F)). (→ ☐ Reference Manual "Battery Power")
 Once the allowable range requirement is satisfied, charging begins automatically. Note that the recharging time varies based on the usage conditions. (Recharging takes longer than usual when the temperature is 10 °C {50 °F} or below.)
- If the temperature is low, the operating time is shortened. Only use the computer within the allowable temperature range.
- The battery pack is a consumable item. If the amount of time the computer can be run by using a particular battery pack becomes dramatically shorter and repeated recharging does not restore its performance, the battery pack should be replaced with a new one.
- When transporting a spare battery inside a package, briefcase, etc., it is recommended that it be placed in a plastic bag so that its contacts are protected.
- Always power off the computer when it is not in use. Leaving the computer on when the AC adaptor is not connected will exhaust the remaining battery capacity.

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1. Specifications

This page provides the specifications for the basic model CF-19FHGAXBM/CF-19FDGAXVM. The model number is different according to the unit configuration.

To check the model number:

Check the bottom of the computer or the box the computer came in at the time of purchase.

To check CPU speed, memory size and the hard disk drive (HDD) size:

Run the Setup Utility (Experience Manual "Setup Utility") and select [Information] menu.

[CPU Speed]: CPU speed, [System Memory]: Memory size, [Hard Disk]: Hard disk drive size

Main Specifications

Model No.		CF-19FHGAXBM	CF-19FDGAXVM		
CPU		Intel® Core™ 2 Duo Processor U7500 (1.06 GHz, 2 MB 1 L2 cache, 533 MHz FSB)			
Chipset		Intel® GM965			
Memory*2*4		1 GB (4 GB Max.)			
Video Memory*1*3		UMA (384 MB Max.)			
Hard Disk Driv	/e ^{*4}	80 GB			
Display Metho	od	10.4 XGA type (TFT)			
Internal LCD	*5	65,536/16,777,216 colors (800 × 600 dots/1024 × 768 dots)			
External Disp	olay ^{*6}	65,536/16,777,216 colors (800 × 600 dots/1024 × 768 dots/1280 × 768 dots/1280 × 1024 dots/1440 × 900 dots)			
Wireless LAN	7				
Bluetooth [™] *8					
LAN		IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE	-TX, IEEE 802.3ab 1000BASE-T		
Modem		Data: 56 kbps (V.92) FAX: 14.4 kbps			
Sound		WAVE and MIDI playback, Intel® High Definition	n Audio subsystem support, Monaural speaker		
Security Chip		TPM (TCG V1.2 compliant) ^{*9}			
Card Slot	PC Card	Type I or Type II x 1 (3.3 V: 400 mA, 5 V: 400 mA)			
	ExpressCard*10	ExpressCard/34 ^{*11} or ExpressCard/54 x 1			
	Smart Card*12	ISO7816 x 1			
	SD Memory Card*13	x 1, Data transfer rate = 8 MB per second ⁻¹⁴			
RAM Module S	Slot	200-pin, 1.8 V, SO-DIMM, DDR2 SDRAM, PC2-4200 Compliant			
Interface		USB port (4-pin, USB 2.0) x 2, Serial Port (Dsub 9-pin male), Modem port (RJ-11), LAN port (RJ-45), External display port (Mini Dsub 15-pin female), Expansion Bus Connector (Dedicated 100-pin female), External Antenna Connector (Dedicated 50 coaxial connector) x 2, IEEE 1394a Interface Connector (4-pin x 1), Microphone Jack (Miniature jack, 3.5 DIA, Stereo), Headphone Jack (Miniature jack, 3.5 DIA, Impedance 32 , Output Power 4 mW x 2)			
Keyboard / Po	ointing Device	82 keys / Touch Pad / Touchscreen (Anti- Reflection, Stylus (included) touch capable)	82 keys / Touch Pad / Digitizer (Anti-Reflection)		
Power Supply		AC adaptor or Battery pack			
AC Adaptor*15		Input: 100 V to 240 V AC, 50 Hz/60 Hz, Output: 16.0 V DC, 3.75 A			
Battery Pack		Li-ion 10.65 V, 5.7 Ah			
Operating Tir	me ^{*16}	Approx. 7 hours ¹¹⁷			
Charging Time*16	Power on	Approx. 7.5 hours			
Time ⁴⁶	Power off	Approx. 4.5 hours			
Clock Battery		Coin type lithium battery 3.0 V			
Power Consumption ^{*18}		Approx. 30 W ^{*19} / Approx. 60 W (Maximum when recharging in the ON state)			
Physical Dimensions (W x H x D) (excluding the hand strap/shoulder strap)		271 mm × 49 mm × 216 mm {10.7" × 1.93" × 8.5"}			
Weight (excluding the hand strap/shoulder strap)		Approx. 2.30 kg {Approx. 5.06 lb.}	Approx. 2.35 kg {Approx. 5.17 lb.}		
Operation Environment		Temperature: 5 °C to 35 °C {41 °F to 95 °F} Humidity: 30% to 80% RH (No condensation)			
Storage Environment		Temperature: -20 °C to 60 °C {-4 °F to 140 °F} Humidity: 30% to 90% RH (No condensation)			

Main Specifications

Operating System	Microsoft® Windows® XP Professional Service Pack 2 with Advanced Security Technologies (NTFS File System)	Microsoft® Windows® XP Tablet PC Edition 2005 (NTFS File System)
Utility Programs	DMI Viewer, Microsoft® Windows® Media Player 10, Adobe Reader, PC Information Viewer, SD Utility, Icon Enlarger, Loupe Utility, Intel® Matrix Storage Manager, Intel® PROSet/Wireless Software ⁷ , Bluetooth™ Stack for Windows® by TOSHIBA®, Wireless Switch Utility, Hotkey Settings, Battery Recalibration Utility, Panasonic Hand Writing 20, Software Keyboard 20, Display Rotation Tool, Interest Professional Package 21, Recover Professional Package 21, Tablet Buttons Settings 20, Power Saving Utility, Wireless Connection Disable Utility 21	

Wireless LAN <Only for model with wireless LAN>

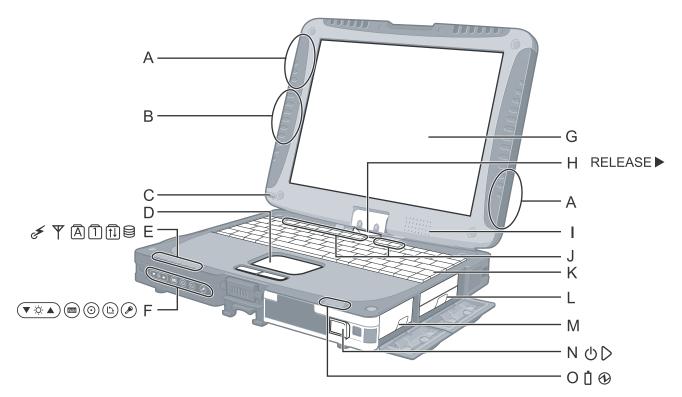
Intel Wireless WiFi Link 4965AG (802.11 a + b + g) ²³			
Data Transfer Rates ^{*24}	IEEE802.11a: 54/48/36/24/18/12/9/6 Mbps (automatically switched) IEEE802.11b: 11/5.5/2/1 Mbps (automatically switched) IEEE802.11g: 54/48/36/24/18/12/9/6 Mbps (automatically switched)		
Standards Supported	IEEE802.11a/IEEE802.11b/IEEE802.11g		
Transmission method	OFDM system, DSSS system		
Wireless Channels Used	IEEE802.11a: Channels 36/40/44/48/52/56/60/64/149/153/157/161/165 IEEE802.11b/IEEE802.11g: Channels 1 to 11		
RF Frequency Band	IEEE802.11a: 5.18-5.32 GHz, 5.745-5.825 GHz IEEE802.11b/IEEE802.11g: 2.412-2.462 GHz		

Bluetooth[™] <Only for model with Bluetooth>

Bluetooth Version	2.0 + EDR
Transmission method	FHSS system
Wireless Channels Used	Channels 1 to 79
RF Frequency Band	2.402-2.48 GHz

- ¹ 1 MB = 1.048.576 bytes
- You can physically expand the memory upto 4 GB, but the total amount of usable memory available will be less depending on the actual system configuration.
- A segment of the main memory is allotted automatically depending on the computer's operating status. The size of the Video Memory cannot be set by the user.
- ¹ 1 GB = 1,000,000,000 bytes. Your operating system or some application software will report as fewer GB.
- ⁵ A 16,777,216 color display is achieved by using the dithering function.
- Maximum resolution depends on the specifications of the external display.
- ⁷ Only for model with wireless LAN
- *8 Only for model with Bluetooth
- For information on TPM, click [start] [Run] and input "c:\util\drivers\tpm\README.pdf", and refer to the Installation Manual of "Trusted Platform Module (TPM)".
- Only for model with ExpressCard slot
- When using ExpressCard/34, the card slot cover cannot be closed.
- Only for model with Smart Card slot
- SD Memory Cards that support high-speed transfer rates can be used. Windows Ready Boost function is also supported. Operation has been tested and confirmed using Panasonic SD Memory Cards and SDHC Memory Cards with a capacity of up to 8 GB. Operation on other SD equipment is not guaranteed.
 - This computer is not compatible with MultiMediaCards. Do not insert this kind of cards.
- 114 Theoretical value and not the actual speed. The transfer rate does not become higher even if you use a card that supports the higher transfer rate.
- ¹⁵ < Only for North America>
 - The AC adaptor is compatible with power sources up to 240 V AC adaptor. The computer is supplied with a 125 V AC compatible AC cord. 20-M-2-1
- Varies depending on the usage conditions.
- Measured using MobileMark™ 2005 (LCD brightness: 60 cd/m²)
- Approx. 0.9 W when the battery pack is fully charged (or not being charged) and the computer is OFF.
- Rated power consumption 23-E-1
- Only for model with Windows XP Professional
- You need to install to use the feature.
- The Product Recovery DVD-ROM is required.
- 123 It does not correspond to IEEE802.11.n.
- ^{*24} These are speeds specified in IEEE802.11a+b+g standards. Actual speeds may differ.

2. Names and Functions of Parts



A: Wireless LAN Antenna

<Only for model with wireless LAN>
Reference Manual "Wireless LAN"

B: Bluetooth Antenna

<Only for model with Bluetooth>

Reference Manual "Bluetooth"

C: Stylus/Pen Holder

D: Touch Pad

E: LED Indicator

This indicator lights when Wireless LAN, Bluetooth, and/or Wireless WAN are connected and ready. It does not necessarily indicate the On/Off condition of the wireless connection.

Reference Manual "Disabling / Enabling Wireless Communication"

▼ : Wireless WAN status

<Only for model with wireless WAN>
Refer to the instruction manual of the wireless device.

A: Caps lock

1 : Numeric key (NumLk)

TI: Scroll lock (ScrLk)

: Hard disk drive status

F: Tablet Buttons

Reference Manual "Tablet Buttons"

G: LCD

<Only for model with touchscreen>

Reference Manual "Touchscreen"

<Only for model with digitizer>

Reference Manual "Digitizer"

H: Display Release Latch

I: Speaker

Reference Manual "Key Combinations"

J: Function Key

Reference Manual "Key Combinations"

K: Keyboard

L: Hard Disk Drive

Reference Manual "Hard Disk Drive"

M: Battery Pack

N: Power Switch

O: LED Indicator

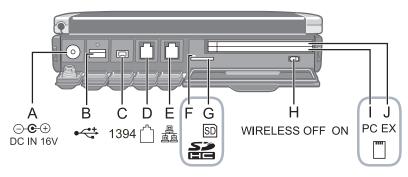
: Battery status

Reference Manual "Battery Power"

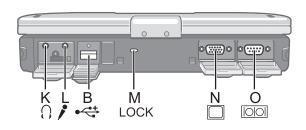
①: Power status

(Off: Power off/Hibernation, Green: Power on, Blinking green: Standby)

Left side



Rear side



A: DC-IN Jack

B: USB Port

→ Preference Manual "USB Devices"

C: IEEE 1394 Interface Connector

→ CD Reference Manual "IEEE 1394 Devices"

D: Modem Port

→ PReference Manual "Modem"

E: LAN Port

→ ♀ Reference Manual "LAN"

F: SD Memory Card Indicator

(Blinking: During access)

→ W Reference Manual "SD Memory Card"

G: SD Memory Card Slot

→ 🖳 Reference Manual "SD Memory Card"

H: Wireless Switch

→ ₩ Reference Manual "Disabling / Enabling Wireless Communication"

I: <for model without Smart Card Slot>

PC Card Slot

→ PReference Manual "PC Card / ExpressCard" <for model with Smart Card Slot>

Smart Card Slot

→ PReference Manual "Smart Card"

J: <for model without Smart Card Slot>

ExpressCard Slot

Reference Manual "PC Card / ExpressCard"

<for model with Smart Card Slot>

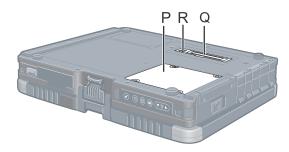
PC Card Slot

Reference Manual "PC Card / ExpressCard"

K: Headphone Jack

You can connect headphones or ampli?ed speakers. When they are connected, audio from the internal speakers is not heard.

Bottom



L: Microphone Jack

A condenser microphone can be used. If other types of microphones are used, audio input may not be possible, or malfunctions may occur as a result.

 When recording in stereo using a stereo microphone:

Click [start] - [All Programs] - [SoundMAX] - [Control Panel] and select [Microphone], and then add a check mark for [No Filtering] in [Microphone Enhancements].

When using a monaural microphone with a 2-terminal plug:

Click [start] - [All Programs] - [SoundMAX] - [Control Panel] and select [Microphone], and then add a check mark for [Voice Recording] in [Microphone Enhancements].

Otherwise, only audio on the left track will be recorded.

M: Security Lock

A Kensington cable can be connected. For further information, read the manual that comes with the cable.

N: External Display Port

→ Preference Manual "External Display"

O: Serial Port

P: RAM Module Slot

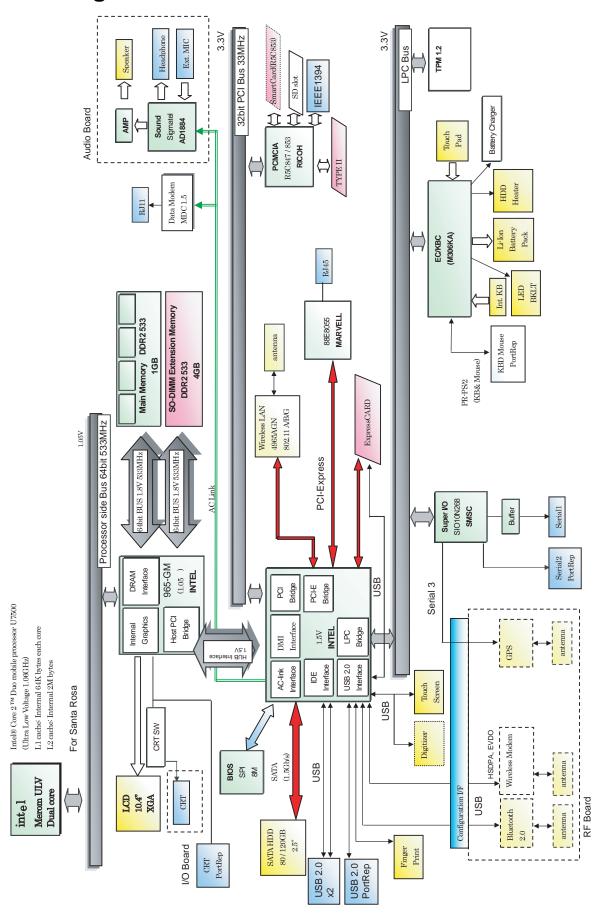
→ PReference Manual "RAM Module"

Q: Expansion Bus Connector

→ Preference Manual "Port Replicator / Car Mounter"

R: External Antenna Connector

3 Block Diagram

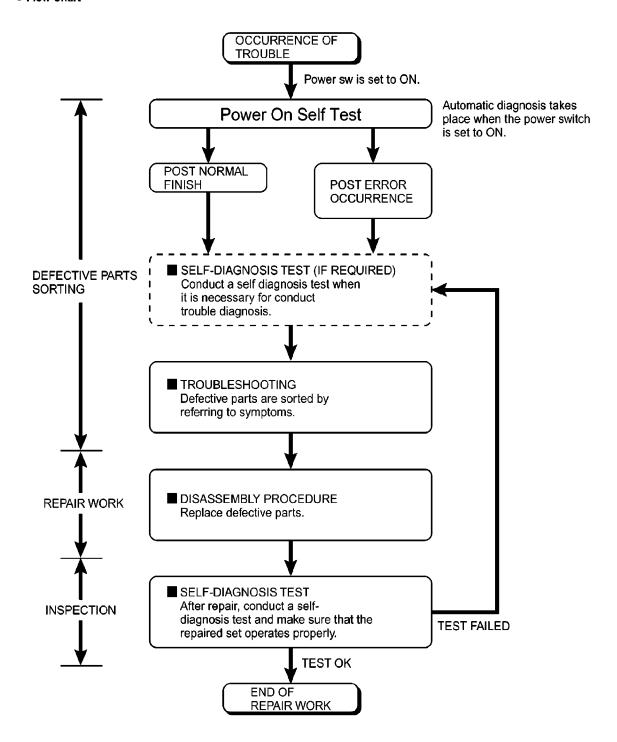


4 Diagnosis Procedure

4.1. Basic Procedures

The basic procedures for diagnosis, disassembly, and test of defective parts of a set to be repaired are summarized below. For details, refer to relevant pages in the Service Manual.

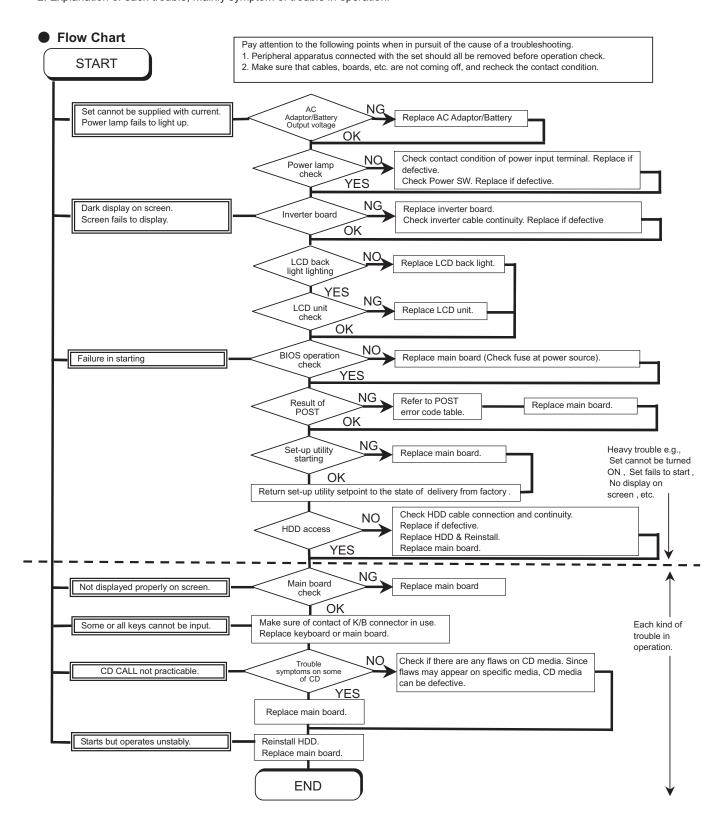
Flow Chart



4.2. Troubleshooting

Please take note of the following two points with regard to troubleshooting:

- 1. Know-how of diagnosis upon occurrence of heavy troubles, e.g. Set cannot be turned ON, Set fails to start, No display on screen, etc.
- 2. Explanation of each trouble, mainly symptom of trouble in operation.



5 Power-On Self Test (Boot Check)

Outline of POST

The set has a boot check function called POST (Power-On Self Test) in it.

The condition of the main body is diagnosed by checking beep sound or error code.

StartTest begins automatically when power switch is set to ON.

Normal finishAfter memory checking, a beep sound is issued once and the set is placed into automatic stop. Note: If no error occurs, nothing is displayed. (No display of OK, etc.)

Error Diagnosis by Checking Beep Signal Sound

The beep sound is as follows:



(Length of bar shows length of sound.)

= long sound (about 0.4 sec.), = short sound (about 0.2 sec.), Length between sounds is about 0.1 sec.

Table of errors classified by beep sounds

Diagnosis	Beep signal sound	Error message
Main board	1(long sound)-2	BIOS ROM error
	1-2-2-3	BIOS ROM error
	1-3-1-1	RAM error
	1-3-1-3	Keyboard controller error
	1-3-4-1	RAM error
	1-3-4-3	RAM error
	1-4-1-1	RAM error
	2-1-2-3	BIOS ROM error
	2-2-3-1	Occurrence of unexpected offering

(Note) A beep sound is also issued in case of other I/O trouble.

6 List of Error Codes <Only when the port replicator is connected>

The following is a list of the messages that BIOS can display. Most of them occur during POST. Some of them display information about a hardware device, e.g., the amount of memory installed. Others may indicate a problem with a device, such as the way it has been configured. Following the list are explanations of the messages and remedies for reported problems.

If your system displays one of except the messages marked below with an asterisk (*), write down the message and contact Panasonic Technical Support. If your system fails after you make changes in the Setup menus, reset the computer, enter Setup and install Setup defaults or correct the error.

0200 Failure Fixed Disk

Fixed disk in not working or not configured properly. Check to see if fixed disk is attached properly. Run Setup. Find out if the fixed-disk type is correctly identified.

0210 Stuck key

Stuck key on keyboard.

0211 Keyboard error

Keyboard not working.

0212 Keyboard Controller Failed

Keyboard controller failed test. May require replacing keyboard controller.

0213 Keyboard locked - Unlock key switch

Unlock the system to proceed.

0230 System RAM Failed at offset: nnnn

System RAM failed at offset nnnn of in the 64k block at which the error was detected.

0231 Shadow RAM Failed at offset: nnnn

Shadow RAM failed at offset *nnnn* of the 64k block at which the error was detected.

0232 Extended RAM Failed at offset: nnnn

Extended memory not working or not configured properly at offset *nnnn*.

0250 System battery is dead - Replace and run SETUP

The CMOS clock battery indicator shows the battery is dead. Replace the battery and run Setup to reconfigure the system.

*0251 System CMOS checksum bad - Default configuration used

System CMOS has been corrupted or modified incorrectly, perhaps by an application program that changes data stored in CMOS. The BIOS installed Default SETUP Values. If you do not want these values, enter Setup and enter your own values. If the error persists, check the system battery or contact Panasonic Technical Support.

0260 System timer error

The timer test failed. Requires repair of system board.

0270 Real time clock error

Real-time clock fails BIOS test. May require board repair.

*0280 Previous boot incomplete - Default configuration used

Previous POST did not complete successfully. POST loads default values and offers to run Setup. If the failure was caused by incorrect values and they are not corrected, the next boot will likely fail. On systems with control of **wait states**, improper Setup settings can also terminate POST and cause this error on the next boot. Run Setup and verify that the wait-state configuration is correct. This error is cleared the next time the system is booted.

0281 Memory Size found by POST differed from EISA CMOS

Memory size found by POST differed from EISA CMOS.

02D0 System cache error - Cache disabled

Contact Panasonic Technical Support.

02F0: CPU ID:

CPU socket number for Multi-Processor error.

02F4: EISA CMOS not writable

ServerBIOS2 test error: Cannot write to EISA CMOS.

02F5: DMA Test Failed

ServerBIOS2 test error: Cannot write to extended DMA (Direct Memory Access) registers.

02F6: Software NMI Failed

ServerBIOS2 test error: Cannot generate software NMI (Non-Maskable Interrupt).

02F7: Fail - Safe Timer NMI Failed

ServerBIOS2 test error: Fail-Safe Timer takes too long.

device address Conflict

Address conflict for specified device.

Allocation Error for: device

Run ISA or EISA Configuration Utility to resolve resource conflict for the specified device.

Failing Bits: nnnn

The hex number *nnnn* is a map of the bits at the RAM address which failed the memory test. Each 1 (one) in the map indicates a failed bit. See error 230,231 or 232 for offset address of the failure in System, Extended or Shadow memory.

Invalid System Configuration Data

Problem with NVRAM (CMOS) data.

I/O device IRQ conflict

I/O device IRQ conflict error.

Operating System not found

Operating system cannot be located on either drive A: or drive C:. Enter Setup and see if fixed disk and drive A: are properly identified.

Parity Check 1 nnnn

Parity error found in the system bus. BIOS attempts to locate the address and display it on the screen. If it cannot locate the address, it displays ????. Parity is a method for checking errors in binary data. A parity error indicates that some data has been corrupted.

Parity Check 2 nnnn

Parity error found in the I/O bus. BIOS attempts to locate the address and display it on the screen. If it cannot locate the address, it displays ????.

Press <F1> to resume, <F2> to Setup

Displayed after any recoverable error message. Press <F1> to start the boot process or <F2> to enter a Setup and change the settings. Write down and follow the information shown on the screen.

7 Self Diagnosis Test

As for the self-diagnosis test(PC-Diagnostic utility) to use this model, a standard test and the enhancing test by the module of the main body building in are possible.

Notes To skip BIOS password

Use <Ctrl>+<F10> key to skip BIOS password or authentication of fingerprint.

This key is only for entering DIAG mode. Not available to boot the computer.

If customer set "HDD Lock", the DIAG program cannot perform HDD test.

*This key is for service purpose only. Do not disclose this information to unrelated others.

1. Beginning of self-diagnosis test

1-1. Setting of content of setup

- 1. The power supply of the computer is turned on.
- 2. "F2" is pushed on the screen of "Panasonic" while "press <F2 to enter Setup>" is displayed.
- 3. The setup utility starts and then takes notes of the content of the BIOS setup of present set.
- 4. "F9" is pushed, "Yes" is selected on the screen of "Is the default value loaded? ", and "Enter" is pushed.
- 5. "F10" is pushed.
- 6. "Yes" is selected on the screen of the setup confirmation, and "Enter" is pushed.
- 7. The computer starts automatically.

Attention

- If the device which can be set is set to "Invalidity" by "Advanced" or "Security" menu, becomes an error by "PC-Diagnostic utility".
 - (It is judged that the device which can be set to "Invalidity" by "Main" menu such as "Flat pad" is normal if the controller operates normally though sets to "Invalidity" by the setup.)
- In the model with built-in DVD of the USB connection, even if DVD is normal, becomes an error if legacy USB is set to "Invalidity"

1-2. When you execute an automatic test

- 1. "Ctrl" + "F7" is pushed while the "Panasonic" start screen is displayed after the computer is started.
- 2. The test of all devices begins automatically by "PC-Diagnostic utility" 's starting.

Attention

- It is a test which the customer who bought PC can execute. (As for HDD, the enhancing test is also possible.)
- · A flat pad does not work for a while after starting "PC-Diagnostic utility".
- The movement of a flat pad might become abnormal If after RAM begins from the CPU/System test, a flat pad will be operated in about 30 seconds. In that case,restarts pushing"Alt" + "Ctrl" + "Del" key. Or, please start "PC-Diagnostic utility" again after doing the power supply switch in the slide, and turning off the power supply.

1-3. When you execute the enhancing test

- 1. Please let me discontinue diagnosing clicking uto end an automatic test.
- 2. Please click on the character of "D" "PC-Diagnostic utility" on the screen while pushing both of right "Shift" and left "Shift" keys.



- 3. All devices which can select the enhancing test make the setting of the enhancing test possible.
- 4. The district device is made"FULL" display (enhancing test).
- 5. The test begins clicking .

^{*}Please refer to item 4 for the error result of each test and the division of the breakdown part.

2. Operation of PC-Diagnostic Utility

- -Only the device which can be inspected on the entire screen is displayed.
- -The item does not appear when the device of wireless LAN etc. is not physically connected.
- -The movement of the item must use an arrow key or a flat pad.



- -As for the device under the diagnosis, blue and yellow are alternately displayed at the left of the icon.
- The diagnosis result of the device greens at the left of the icon when it is normal, and becomes red when abnormal.



-When the test of all devices ends, the test result is displayed under the right of the screen.



- -Please click while diagnosing when being stop on the way by the time the test of all devices ends.
- -Please click when you restart "PC-Diagnostic utility".
- *Each device is tested from the beginning, and it is not possible to restart on the way.
- -When the test of all devices ends, the test result is displayed under the right of the screen.

2-1. Selection of tested device

- -To test only a specific device, "Test" and "Do not test" of each device can be selected.
- -The device which can select the enhancing test changes in order of "The standard is tested" and "Do not test" whenever the device icon is clicked.



Start the standard test



Please begin testing clicking if the selection of the tested device ends.

2-2. "PC-Diagnostic utility" End method

When \boxtimes of "Close" on the right of the screen is clicked, the computer reactivates automatically. Or, the power supply switch is done in the slide and the power supply is turned off.

2-3. The content of the setup is returned to the setting of the user

- 1. Turned on the computer.
- 2. "F2" is pushed on the screen while "Press<F2>to enter Setup" is displayed of "Panasonic".
- 3. Push "F10", and on the screen of "Is the change in the setting preserved and do end?" and then "Yes" is selected, and "Enter" is pushed.
- 4. The computer reactivates automatically.
- 5. The end option is chosen by the start menu, and the power supply of the computer is turned off.

Standard at test time

All devices other than RAM and HDD ----- about 1 minute RAM standard test ----- 1 - 2 minutes HDD standard test ----- 2 - 3 minutes HDD enhancing test (60GB) ----- about 40 minutes

Ex.The standard when the standard <all device> is tested becomes 1+2+3=6 minutes.

There is greatly a difference from RAM test when the memory is increased according to the performance of the memory occasionally.

Moreover, when the main body of PC under the test is a high temperature, it occasionally takes time.

There is greatly a difference from HDD according to the performance of the drive occasionally.

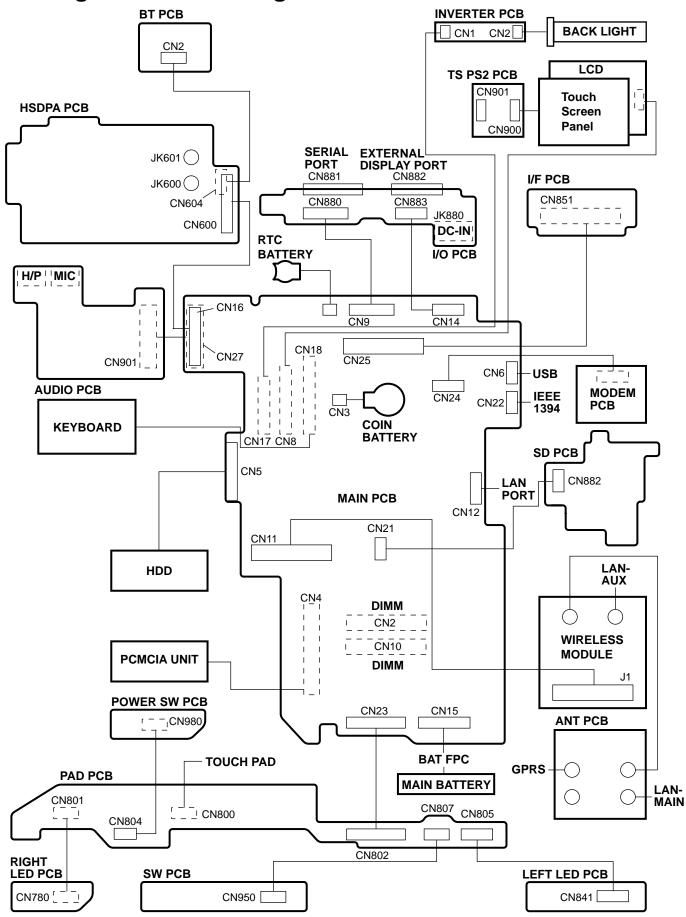
3. Test Item and Division of trouble

Test item	Stanard	Enhan- cing	Content of standard test	Content of enhancing test	Place with possibility of breakdown
CPU / SYSTEM	0	_	CPU is shifted to protected mode, and "Violation of the paging", "Operation of the violation of a privileged instruction", and DMA, INT, TIMER, and the RTC operation are confirmed.	_	CPU / Main board
RAM	0		All memory space is tested in a special memory access pattern based on "R.S.T. technology".		Memory / Mainboard
HDD	0	0	The record area frequently accessed with Microsoft Windows XP to test in about two minutes regardless of points of HDD is emphatically tested.	All record area is tested.	HDD / Mainboard / Cable / Connector
MODEM	0		It is confirmed not to find abnormality in the AC97 modem controller.	_	MODEM/ Mainboard
Wireless LAN	0	_	It is confirmed not to find abnormality in the Wireless LAN modem controller.	_	Wireless LAN board / Connector / Mainboard
Sound *5	0	_			
USB	0	o*1	It is confirmed not to find abnormality in the USB controller.	It is confirmed not to find ab- normalityin the wiring between the USB controller and the connector by confirming the connection of the USB equipment connected with the USB connector.	Mainboard / Connector
LAN	0	o*2	It is confirmed not to find abnormality in the LAN controller.	It is confirmed not to find ab- normalityin the wiring between the controller and the connector by connecting to HUB with LAN cable.	Mainboard / Connector
PC Card	0		It is confirmed not to find abnormality in the CardBus controller.	_	Mainboard
SD	0		It is confirmed not to find abnormality in the SD controller.	_	Mainboard
Keyboard	0	O*3	It is confirmed not to find abnormality in keyboard controller's keyboard interface.	The key is actually input, and the operation is displayed on the screen.	Mainboard / Keyboard
Touch Pad	0	O ^{*4}	Whether keyboard controller's mouse interface operates normally is confirmed.	The operation is actually displayed on the screen by operating the touch pad.	Mainboard / Touch Pad
DVD-ROM	0	O*6	The drive is normally reset, and it is accessible is confirmed.	It is confirmed to be able to read media normally.	Mainboard / DVD Drive / DVD Cable / DVD Connector

Test Item	Standard	Enhanced	Content of Standard Test	Content of Extend Test	The place with possibility of breakdown
Touch Screen	0	0	It is confirmed not to find abnormality in the USB connection of Touch Screen. This test cannot find abnormality of Touch Screen.	Perform Touch Screen functionality practically. Operator has to judge PASS/FAIL with test result.	Main board/ Touch Screen
Bluetooth	0		It is confirmed not to find abnormality in the connection of Main board and Bluetooth module.	_	Bluetooth cable
Wireless WAN	0		It is confirmed not to find abnormality in the connection of Main board and Wireless WAN module.	_	WWAN cable
Floppy	0		It is confirmed not to find abnormality in the legacy FD drive. This test cannot find abnormality of mechanical breakdown. (e.g Head, Motor)	_	FD Drive/ Main board (Super I/O)/ FDD cable FDD connector
Video	0	_	It is confirmed not to find abnormality in access to VRAM with VESA. The PC which uses main memory as VRAM may fail with main memory failure.	_	Main board (Chipset, Graphic Controller)/ Memory
GPS	0	_	It is confirmed not to find abnormality in the connection of Main board and GPS	_	GPS cable
IEEE1394	0		It is confirmed not to find abnormality in the IEEE1394 controller.	_	Main board (IEE⊯394 Controller)
Express Card	_		_	It is confirmed not to find abnormality in the wiring between Chipset and Express Card.	Main board (Chipset)/ Express Card Connector
Smart Card	0		It is confirmed not to find abnormality in the Smart Card controller.	_	Main board (Smart Card Controller)
Serial Port	0	O *7	It is confirmed not to find abnormality of Super I/O UART function. This test cannot find lack of wiring between Super I/O and Serial Connector.	It is confirmed not to find abnormality in the wiring between Super I/O and Serial Connector. This test cannot find failure of cable characteristic and device problems.	Main board (Super I/O)/ Serial Connector
Parallel Port	0	*8	It is confirmed not to find abnormality of Super I/O parallel function. This test cannot find lack of wiring between Super I/O and Parallel Connector.	It is confirmed not to find abnormality in the wiring between Super I/O and Parallel Connector. This test cannot find failure of cable characteristic and device problems.	Main board (Super I/O)/ Parallel Connector

- *1 Please connect the USB device with the port (USB connector) which wants to test before the tests.
- *2 Please connect LAN port with LAN HUB with LAN cable before the tests.
- *3 The operator actually inputs the key, and the operator judges PASS/FAIL of the test.
- *4 The operator actually operates the mouse, and the operator judges PASS/FAIL of the test.
- *5 It is not abnormal though the sound is emitted from the speaker while testing.
 - When the test result is PASS, trouble is thought by not hearing of the sound under the test from the speaker and the headphone by the wiring of the audio output system.
- *6 Please set DVD/CD media in the drive before the tests.
- *7 Please set a Special Loop Back Connector Tool at serial connector for Enhanced Test. (This Connector Tool is same as the one used before.)
- *8 Please set a Special Loop Back Connector Tool at parallel connector for Enhanced Test. (This Connector Tools is same as the one used before.)

8 Wiring Connection Diagram



9 Disassembly/Reassembly

Note:

Power off the computer. Do not shut down to the Suspend or hibernation mode.

Do not add peripherals while the computer is in the Suspend or hibernation mode; abnormal operation may result.

9.1. Disassembly Instructions

9.1.1. Preparation

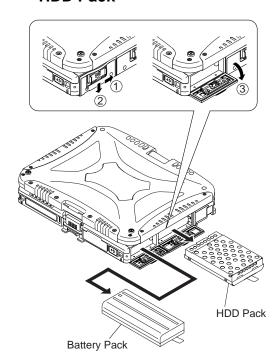
Before disassembling, be sure to make the following preparations.

- ï Shut down Windows and turn off the power.
- ï Disconnect the AC adaptor.
- i Remove the optional DIMM memory card and PCMCIA card if they are connected.
- ï Remove other devices if they are connected.

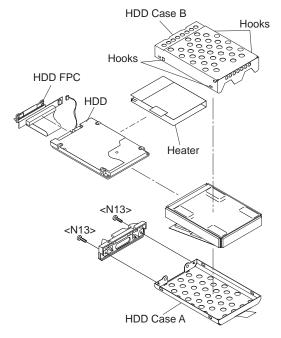
Attention:

- ï Please execute writing BIOS ID when you exchange the Main Board.
- ï Parts (Sheet and rubber) etc. related various the Conductive Cloth and Heat Spreader cannot be recycled. Use new parts.

9.1.2. Removing the Battery Pack and HDD Pack



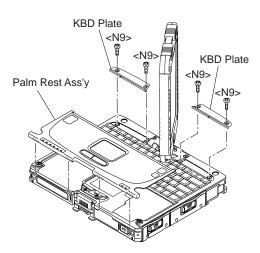
- 1. Open the Battery Cover.
- 2. Remove the Battery Pack.
- 3. Open the HDD Cover.
- 4. Remove the HDD Pack.



- 5. Remove the two Screws <N13>.
- 6. Remove the HDD Case A and the HDD Case B.
- 7. Remove the HDD

Screws <N13>: DXQT2+D4FNL

9.1.3. Removing the Touch Pad and Keyboard



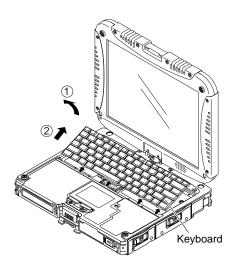
1. Remove the Palm Rest Ass'y.

Note:

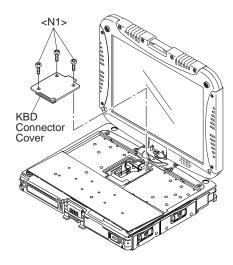
The Palm Rest Ass'y is firmly fixed with two-sided tape.

Carefully remove the Palm Top Cover Sheet not to damage it.

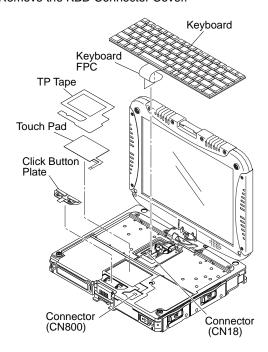
- 2. Remove the 4 Screws <N9>.
- 3. Remove the KBD Plate.



4. Lift the far side of the Keyboard and slide it to backward, and then turn the Keyboard over frontward.



- 5. Remove the 3 Screws <N1>.
- 6. Remove the KBD Connector Cover.

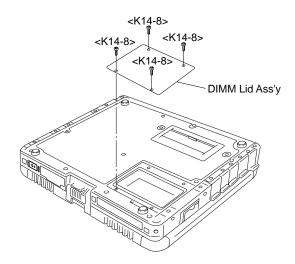


- 7. Disconnect the Cable from Connector (CN18).
- 8. Remove the Keyboard.
- 9. Remove the TP Tape.

- 10. Disconnect the Cable from Connector (CN800).
- 11. Remove the Touch Pad and Click Button Plate.

Screws <N1> : DFHE5025XA Screws <N9> : DRSB2+5FKL

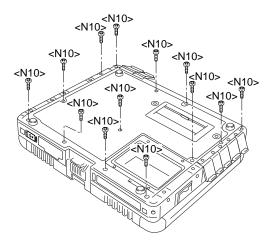
9.1.4. Removing the DIMM Lid Assíy



- 1. Remove the 4 Screws <K14-8>.
- 2. Remove the DIMM Lid Ass'y.

Screws <K14-8>: DRHM5025YAT

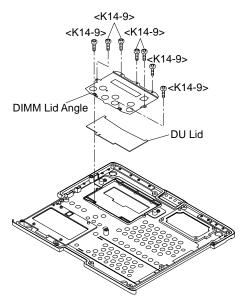
9.1.5. Removing the Rear Cabinet



- 1. Remove the 13 Screws <N10>.
- 2. Open the LID Rubbers.
- 3. Remove the Rear Cabinet.

Screws <N10>: DRHM0061ZA

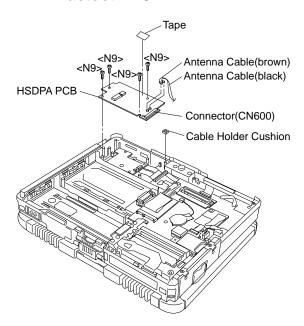
9.1.6. Removing the DU Lid Unit



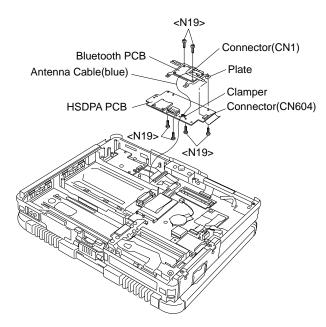
- 1. Remove the 7 Screws <K14-9>.
- 2. Remove the DU Lid Angle and DU Lid.

Screws <K14-9>: DXQT2+D25FNL

9.1.7. Removing the HSDPA PCB and Bluetooth PCB



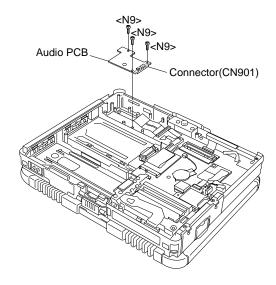
- 1. Remove the Cable Holder Cushion.
- 2. Disconnect the 2 Antenna Cables (brown, black).
- 3. Remove the Tape.
- 4. Remove the 4 Screws. <N9>
- 5. Disconnect the Cable from the Connector (CN600).



- 6. Disconnect the Antenna Cable from the Clamper.
- 7. Disconnect the Antenna Cable.
- 8. Remove the 4 Screws. <N19>
- 9. Disconnect the Cable from the Connector (CN604).
- 10. Remove the 2 Screws. <N19>
- 11. Disconnect the Cable from the Connector (CN1) and remove the Bluetooth PCB and HSDPA PCB.

Screws <N9>: DRSB2+5FKL Screws <N19>: XSB2+3FNL

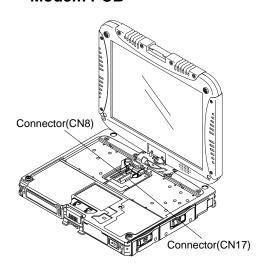
9.1.8. Removing the Audio PCB



- 1. Remove the 3 Screws <N9>.
- 2. Disconnect the Cable from a Connector (CN901).
- 3. Remove the Audio PCB.

Screws <N9>:DRSB2+5FKL

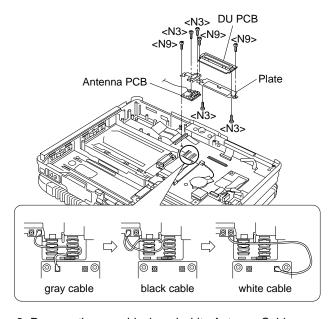
9.1.9. Removing the Main PCB, Wireless Module, SD PCB, Antenna PCB and Modem PCB



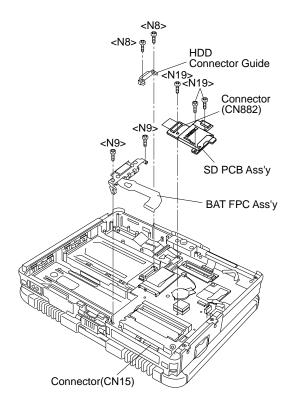
Note:

This procedure is not necessary if the computer is not equipped with Wireless Module or Modem PCB.

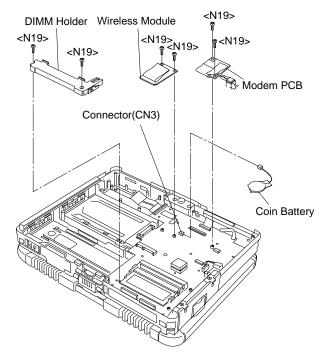
1. Disconnect the 2 LCD Cables. (CN8,CN17)



- 2. Remove the gray, black and white Antenna Cables.
- 3. Remove the 2 Screws <N3> and the 3 Screws <N9>.
- Remove the 2 screws <N3>, and remove the DU PCB, Plate and Antenna PCB.

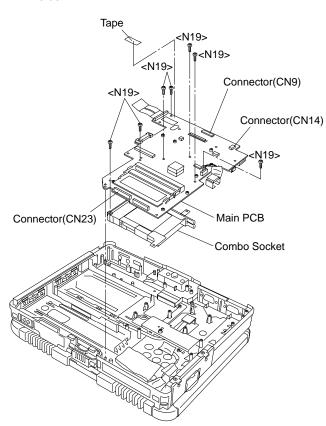


- Remove the 2 Screws <N8>, and remove the HDD Connector Guide.
- 6. Remove the 2 Screws. <N9>
- 7. Disconnect the Cable from the Connector. (CN15)
- 8. Remove the BAT FPC Ass'y.
- 9. Remove the 3 Screws. <N19>
- Disconnect the Cable from the Connector (CN21), and remove the SD PCB Ass'y.



- 11. Disconnect the Cable from the Connector (CN3), and remove the Coin Battery.
- 12. Remove the 2 Screws <N19>, and remove the Wireless Module.
- 13. Remove the 2 Screws <N19>, and remove the Modem PCB.

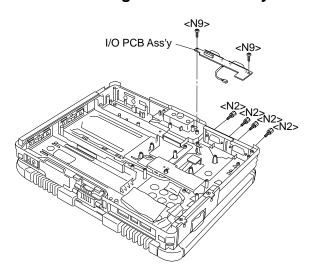
 Remove the 2 Screws <N19>, and remove the DIMM Holder.



- 15. Remove the Tape.
- 16. Disconnect the 3 Cables from the 3 Connectors. (CN9,CN14,CN23)
- 17. Remove the 7 Screws <N19>, and remove the Main PCB and Combo Socket.

Screws <N3>: DFHE5108ZA Screws <N8>: DRSB2+10FKL Screws <N9>: DRSB2+5FKL Screws <N19>: XSB2+3FNL

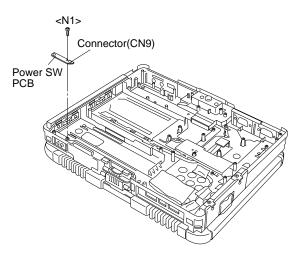
9.1.10. Removing the I/O PCB Ass'y



- 1. Remove the 4 D-SUB Screws <N2>.
- 2. Remove the 2 Screws <N9>.
- 3. Remove the I/O PCB Ass'y.

Screws <N2> : DFHE5058ZB Screws <N9> : DRSB2+5FKL

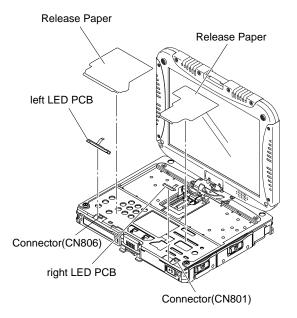
9.1.11. Removing the Power SW PCB



- 1. Remove the Screw <N1>.
- 2. Disconnect the Cable from the Connector (CN9).
- 3. Remove the Power SW PCB.

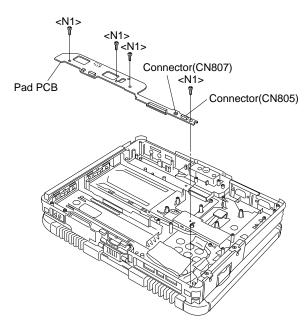
Screw <N1>: DFHE5025XA

9.1.12. Removing the left LED and right LED PCB

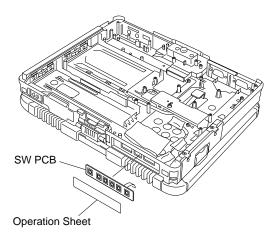


- 1. Remove the two Release Papers.
- 2. Disconnect the Cable from the Connector (CN806).
- 3. Remove the left LED PCB.
- 4. Disconnect the Cable from the Connector (CN801).
- 5. Remove the right LED PCB.

9.1.13. Removing Pad PCB and SW PCB 9.1.14. Removing the Display unit

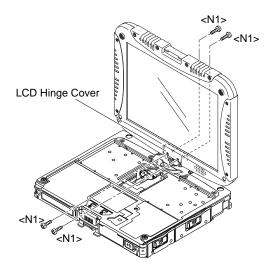


- 1. Disconnect the 2 Cables from the 2 Connectors (CN805, CN807).
- 2. Remove the 4 Screws <N1>.
- 3. Remove the Pad PCB.

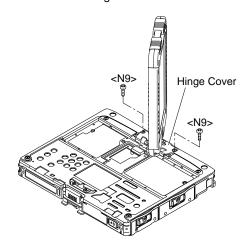


4. Remove the Operation Sheet and the SW PCB.

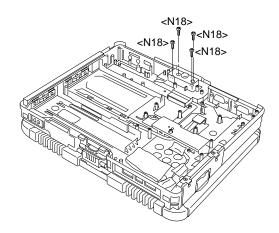
Screws <N1>: DFHE5025XA



- 1. Remove the 4 Screws <N1>.
- 2. Remove the LCD Hinge Cover.



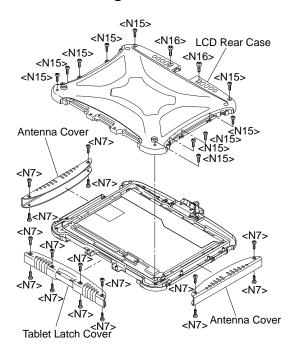
3. Display unit is half-rotated and removes the 2 Screws <N9>.



- 4. Remove the 4 Screws <N18>.
- 5. Turn the computer over.
- 6. Remove the Display Unit.

Screws <N1>: DFHE5025XA Screws <N9>: DRSB2+5FKL Screws <N18>: DXYN4+J7FNL

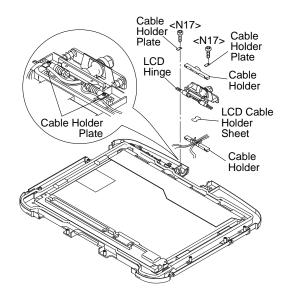
9.1.15. Removing the LCD Rear Case



- Remove the 8 Screws <N7> on the front side of Display unit.
- Remove the 8 Screws <N7> on the back side of Display unit.
- 3. Remove 2 Antenna Covers and Tablet Latch Cover.
- Remove the 10 Screws <N15>.
- 5. Remove the 2 Screws <N16>.
- 6. Remove the LCD Rear Case.

Screws <N7>: DRQT26+E5FKL Screws <N15>: DXYN2+J6FNL Screws <N16>: DXYN3+J10FNL

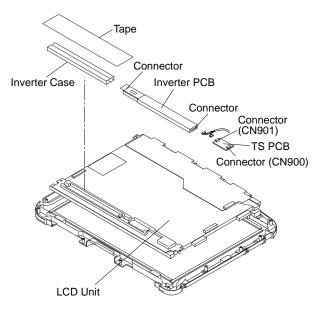
9.1.16. Removing the LCD Hinge



- 1. Remove the Cable Holder.
- 2. Remove the 2 Screws <N17>.
- 3. Remove the Cable Holder Plate and LCD Hinge.

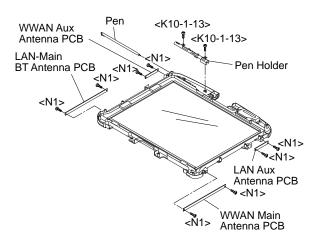
Screws <N17>: DXYN3+J8FNL

9.1.17. Removing Inverter PCB and LCD Unit



- 1. Disconnect the 2 Cables from 2 Connectors (CN1,CN2).
- 2. Remove the Inverter Case and Inverter PCB.
- Disconnect the 2 Cable from 2 connector (CN900,CN901).
- 4. Remove the TS PS2 PCB, then remove the LCD unit.

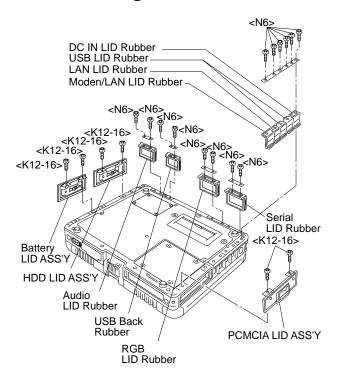
9.1.18. Removing WWAN Main Antenna PCB, LAN-Main BT Antenna PCB, LAN AUX Antenna PCB and WWAN AUX Antenna PCB



- 1. Remove the 2 Screws <N1>.
- 2. Remove the WWAN Main Antenna PCB.
- 3. Remove the 2 Screws <N1>.
- 4. Remove the LAN-Main BT Antenna PCB.
- 5. Remove the 2 Screws <N1>.
- 6. Remove the LAN AUX Antenna PCB.
- 7. Remove the 2 Screws <N1>.
- 8. Remove the WWAN AUX Antenna PCB.
- 9. Remove the Pen
- 10. Remove the two Screws <N6>.
- 11. Remove the Pen Holder.

Screws <N1>: DFHE5025XA Screws <N6>: DRHM5025YA

9.1.19. Removing the Each Cover



- 1. Remove the 14 Screws <N6>.
- 2. Remove the Modem/LAN LID Rubber, LAN LID Rubber, USB

LID Rubber, DC IN LID Rubber, Serial LID Rubber, RGB LID Rubber, Audio LID Rubber and USB Back Rubber.

- 3. Remove the Rear Cabinet. (Refer to 7.1.5 Removing the Rear Cabinet)
- 4. Remove the 6 Screws <K12-16>.
- 5. Remove the Battery LID ASS'Y, HDD LID Ass'y and PCMCIA LID Ass'y.

Screws <K12-16> : DRQT26+D3FKL Screws <N6> : DRHM5025YA

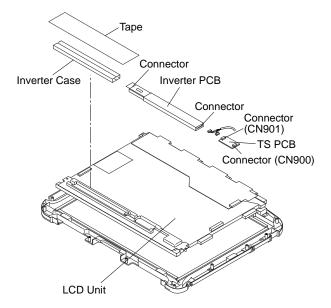
9.2. Reassembly Instructions

9.2.1. Attention when CF-19 series is repaired

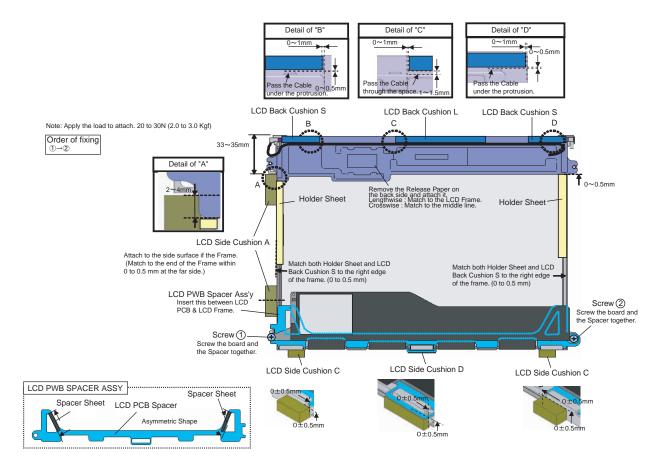
- ï Please execute writing BIOS ID when you exchange the Main Board.
- ï Parts (Sheet and rubber) etc. related various the Conductive Cloth and Heat Spreader cannot be recycled. Use new parts.

9.2.2. Setting up the Inverter Ass'y and LCD UNIT

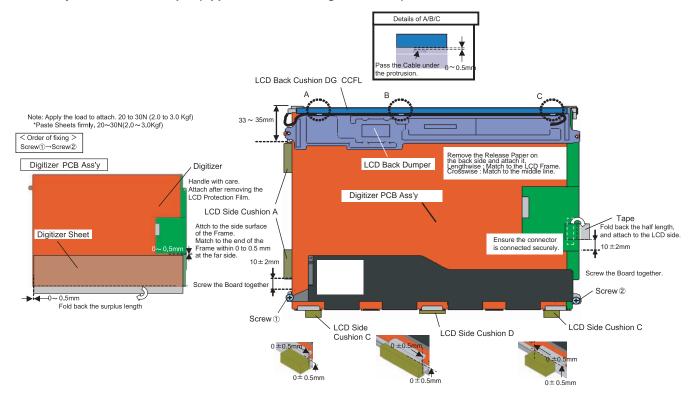
- 1. Set the LCD UNIT to the LCD Front Cabinet/TS Panel.
- 2. Set the TS PCB on the LCD Back Damper, and connect the 2 Cables to the Connectors (CN900 and CN901).
- Set the Inverter PCB to the LCD Back Damper, and connect the 2 Cables to the Connectors.



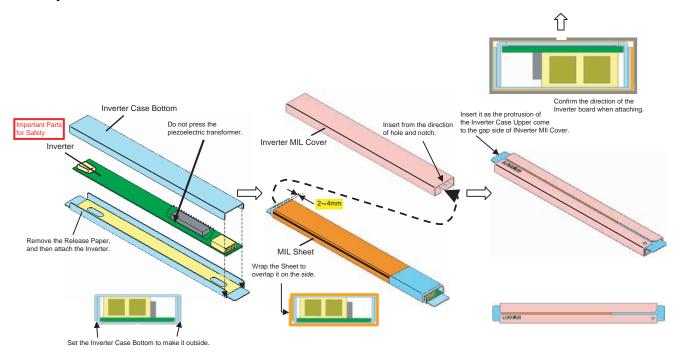
■ Assembly of LCD Back Damper (Applicable Model : Touch Screen Model)



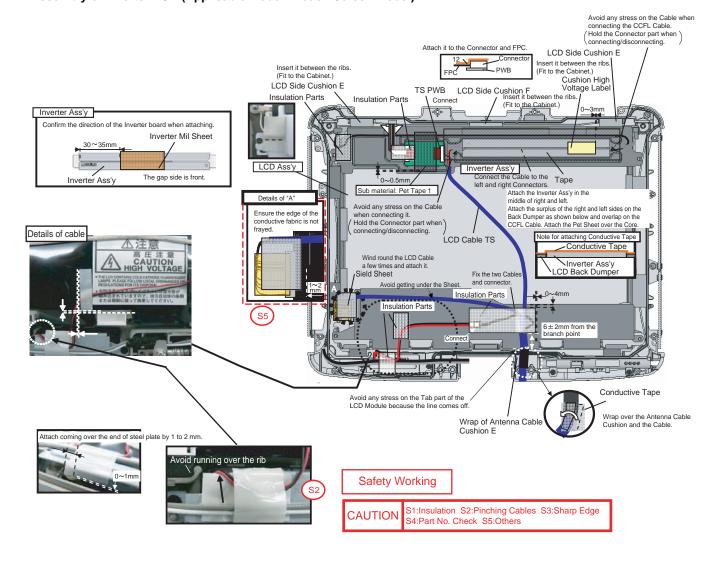
■ Assembly of LCD Back Damper (Application Model : Digitizer Model)

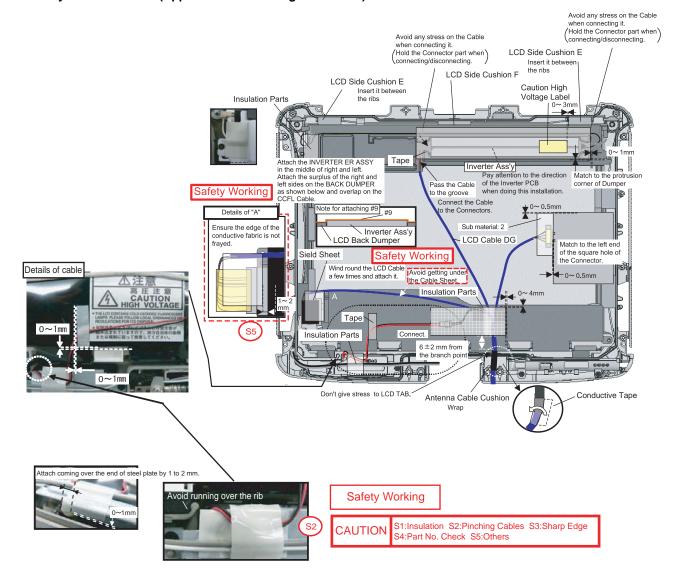


■ Assembly of Inverter PCB

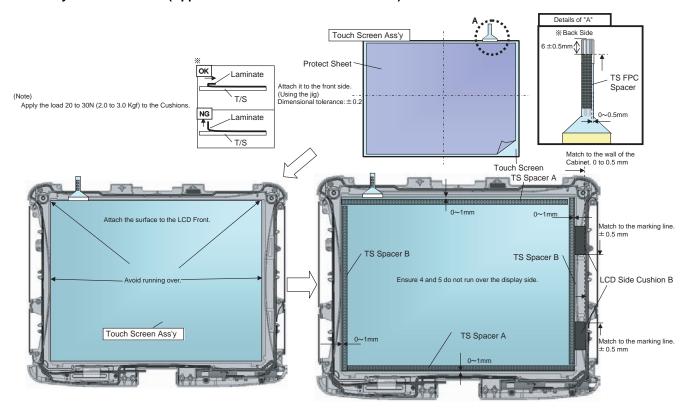


■ Assembly of Inverter PCB (Applicable Model : Touch Screen Model)

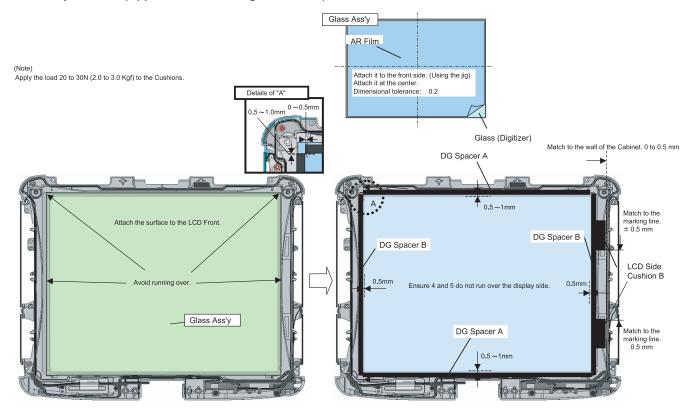




■ Assembly of Touch Screen (Applicable Model : Touch Screen Model)



■ Assembly of Glass (Applicable Model : Digitizer Model)

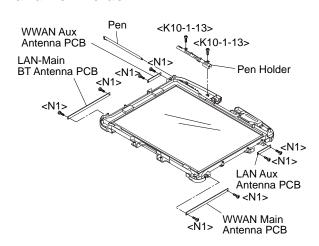


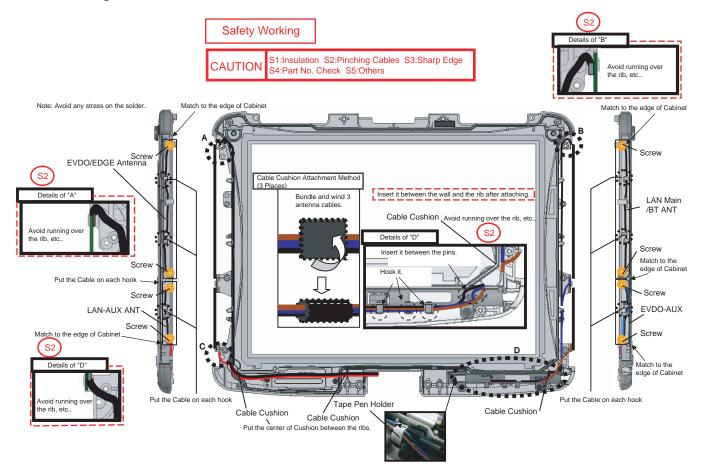
9.2.3. Assembling the WWAN Main Antenna PCB, LAN-Main BT Antenna PCB, LAN AUX Antenna PCB, WWAN AUX Antenna PCB and Pen holder

- 1. Fix the Pen Holder using the 2 Screws. <K10-1-13>
- 2. Attach the Pen.
- 3. Fix the WWAN AUX Antenna PCB using the 2 Screws. <N1>
- 4. Fix the LAN AUX Antenna PCB using the 2 Screws. <N1>
- 5. Fix the LAN-Main BT Antenna PCB using the 2 Screws.
- Fix the WWAN Main Antenna PCB using the 2 Screws. <N1>

Screws <N1>: DFHE5025XA

Screws <K10-1-13> : DRHM5025YAT

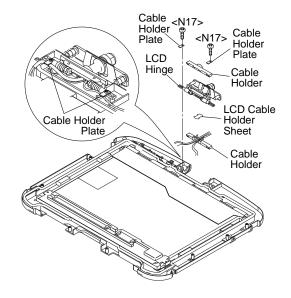




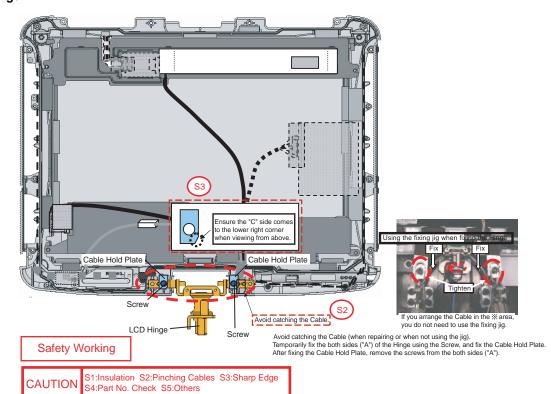
9.2.4. Setting up the LCD Hinge

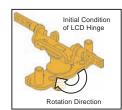
- 1. Wind the Cable coming out of the LCD Unit counterclockwise to the LCD Hinge.
- 2. Set the Lock Plate and the Hinge Top Cover, and rotate the LCD Hinge to turn the Display Unit to front
- 3. Put the LCD Cable and the Antenna Cable in the Cable Holder.
- 4. Fit another Cable Holder and clamp the Cable Holders in the LCD Hinge.
- Fix the LCD Hinge using the 2 Screws <N17> and the 2 Cable Holder Plates.

Screws <N17 > : DXYN3+J8FNL

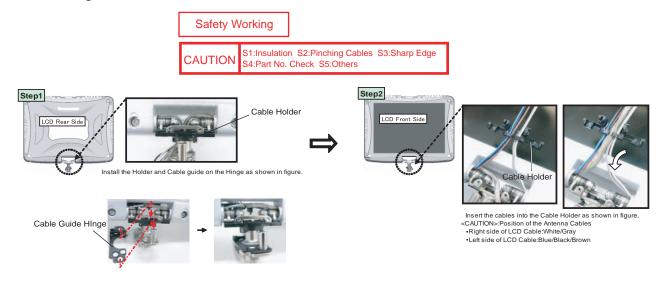


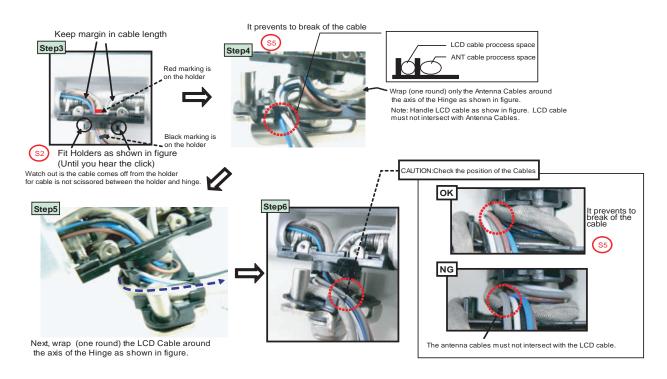
■ Assembly of LCD Hinge





■ Line Processing of Antenna Cable and LCD Cable

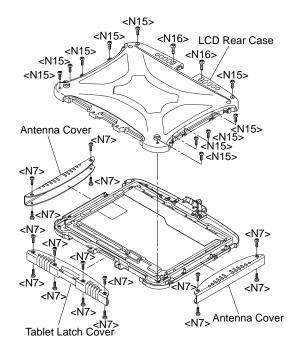




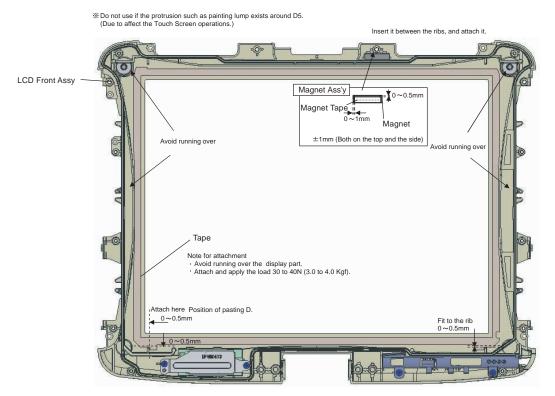
9.2.5. Assembling the Antenna Cover, the Tablet Latch Cover and the LCD Rear Case

- 1. Fix the LCD Rear Case using the 10 Screws <N15> and the 2 Screws. <N16>
- 2. Attach the Antenna Covers and the Tablet Latch Cover to the Display Unit.
- 3. Tighten the 8 Screws <N7> on the back of the Display Unit.
- 4. Turn the Display Unit over, and tighten the 8 Screws. <N7>

Screws <N7>: DRQT26+E5FKL Screws <N15>: DXYN2+J6FNL Screws <N16>: DXYN3+J10FNL

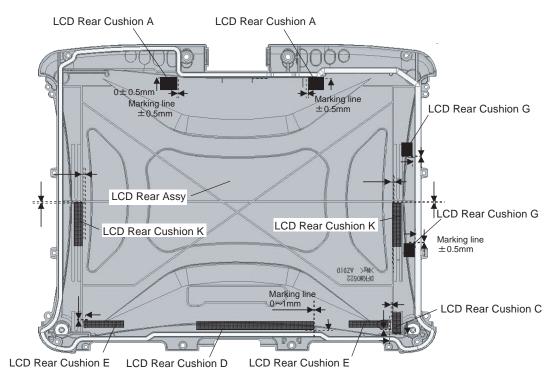


■ Assembly of LCD Front Case



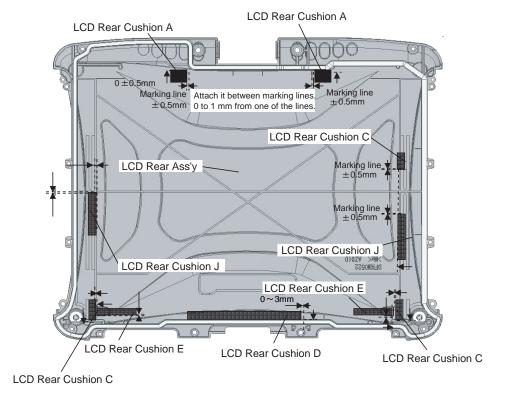
■ Assembly of LCD Rear Case (Applicable Model : Touch Screen Model)

- (Note)
 Arrow without specified measurement: 0 to 0.5 mm
 Allowable right/left displacement of the Cushion: max. 0.5 mm
 Attach and apply the load 30 to 40N (3.0 to 4.0 Kgf).

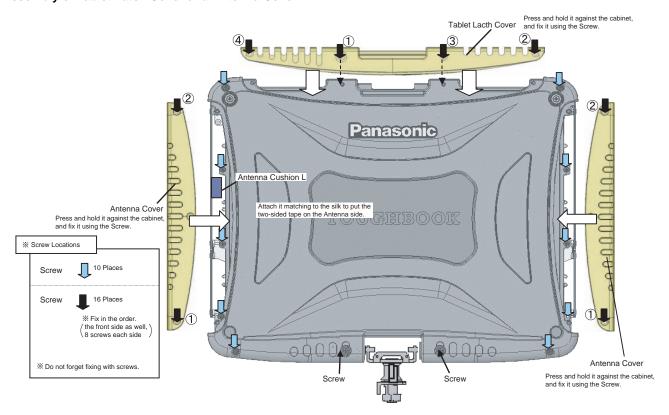


■ Assembly of LCD Rear Case (Applicable Model : Digitizer Model)

- (Note)
 Arrow without specified measurement: 0 to 0.5 mm
 Allowable right/left displacement of the Cushion: max. 0.5 mm
 Attach and apply the load 30 to 40N (3.0 to 4.0 Kgf).

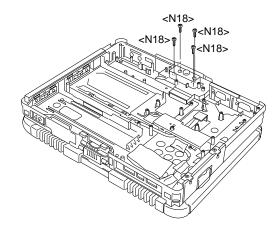


■ Assembly of Tablet Latch Cover and Antenna Cover

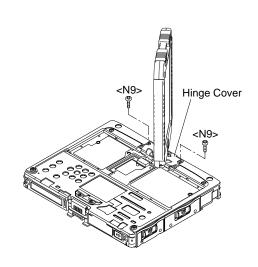


9.2.6. Setting the Display Unit

- 1. Fix the Display Unit using the 2 Screws <N9>.
- 2. Close the Display Unit and turn the computer over, then fix the Display Unit using the 4 Screws <N18>.

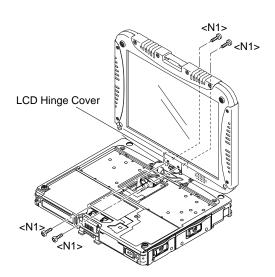


3. Turn the computer over and fix the LCD Hinge Cover using the 2 Screws <N1>.

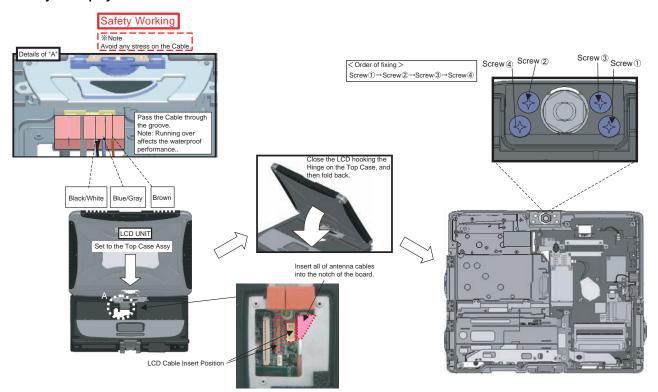


4. Open the Display Unit and fix the LCD Hinge Cover using the 2 Screws <N1>.

Screws <N1> : DFHE5025XA Screws <N9> : DRSB2+5FKL Screws <N18> : XYN4+J7FNL

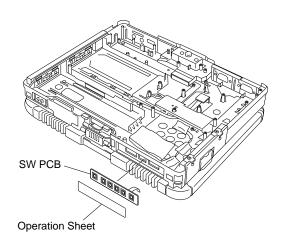


■ Assembly of Display Unit



9.2.7. Setting the Pad PCB and SW PCB

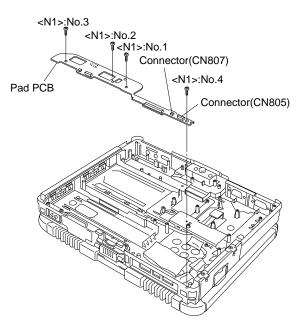
Attach both the SW PCB and the Operation Sheet to the
Cabinet



- 2. Connect the 3 Cables to the 3 Connectors. (CN800,CN805,CN807)
- 3. Fix the Pad PCB using the 4 Screws. <N1> **Note:**

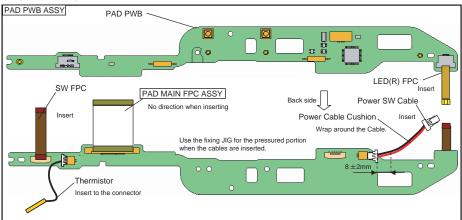
Tighten the Screws in the numbered order (No1 to No4).

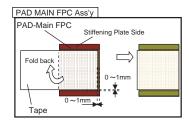
Screws <N1>: DFHE5025XA

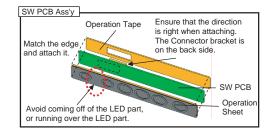


■ Assembly of the Pad PCB and SW PCB

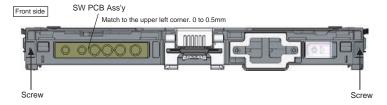
(Note) • Arrow without specified measurement: 0 to 0.5 mm





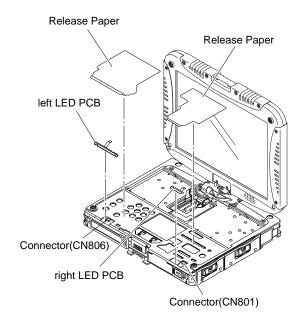


■ Putting of the TP Bottom Tape

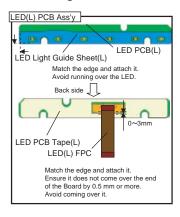


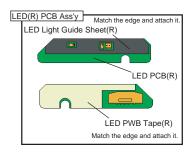
9.2.8. Setting the left LED PCB and right LED PCB

- 1. Connect the Cable to the Connector. (CN806)
- 2. Fix the left LED PCB.
- 3. Connect the Cable to the Connector. (CN801)
- 4. Fix the right LED PCB.
- 5. Attach the two Release Papers.
- 6. Attach the Palm Rest Ass'y.



■ Assembly of the left LED PCB and right LED PCB

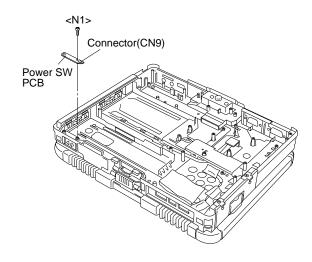




9.2.9. Setting the Power SW PCB

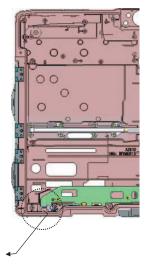
- 1. Connect the Cable to the Connector. (CN9)
- 2. Fix the Power SW PCB using the Screw. <N1>

Screws <N1>: DFHE5025XA



■ Assembly of the Power SW PCB





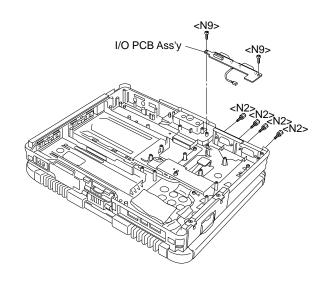
Safety Working

CAUTION S1:Insulation S2:Pinching Cables S3:Sharp Edge S4:Part No. Check S5:Others

9.2.10. Setting the I/O PCB Ass'y

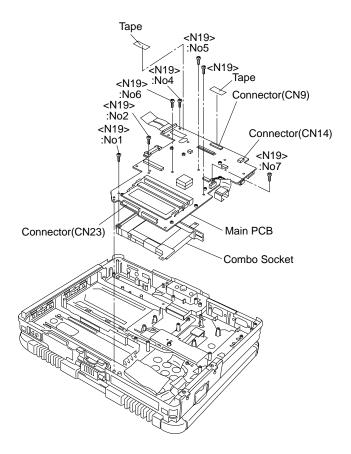
- 1. Fix the I/O PCB using the 2 Screws. <N9>
- 2. Fix the I/O PCB using the 4 Screws. <N2>

Screws<N2>: DFHE5058ZB Screws<N9>: DRSB2+5FKL

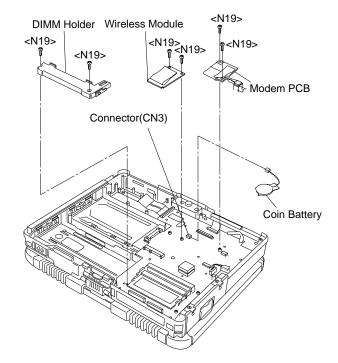


9.2.11. Setting the Main PCB, Wireless Module, SD PCB, DU PCB, Antenna PCB and Modem PCB

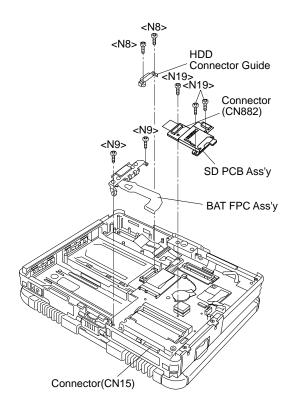
- 1. Fix the Main PCB using the 7 Screws <N9>.
- 2. Connect the 3 Cables to the 3 Connectors. (CN9,CN14,CN23)
- 3. Attach the Tape.



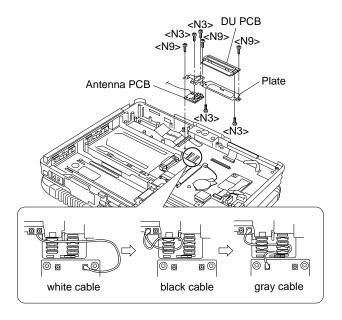
- 4. Fix the Modem PCB using the 2 Screws <N19>.
- 5. Fix the Wireless Module using the 2 Screws <N19>.
- 6. Fix the DIMM Holder using the 2 Screws <N19>.
- 7. Attach the Cable to the Connector (CN3) and attach the Coin Battery.



- 8. Fix the SD PCB Ass'y using the 3 Screws <N19>.
- 9. Attach the Cable to the Connector (CN21).
- 10. Hook the Flex Cable on the DIMM Holder, and turn 90 degrees.
- 11. Fix the BAT FPC Ass'y using the 2 Screws <N9>.
- 12. Connect the cable to the Connector. (CN15)
- 13. Fix the HDD Connector Guide using the 2 Screws <N8>.



- 14. Fix the DU PCB and the Plate using the 2 screws <N3>.
- 15. Fix the DU PCB Ass'y and Antenna PCB using the 3 screws <N9> and the 2 screws <N3> .
- 16. Connect the white, black and gray Cables.

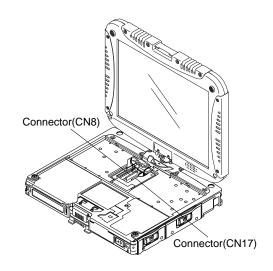


17. Turn the computer over, open the Display Unit, and then connect the 2 LCD Cables. (CN8,CN17)

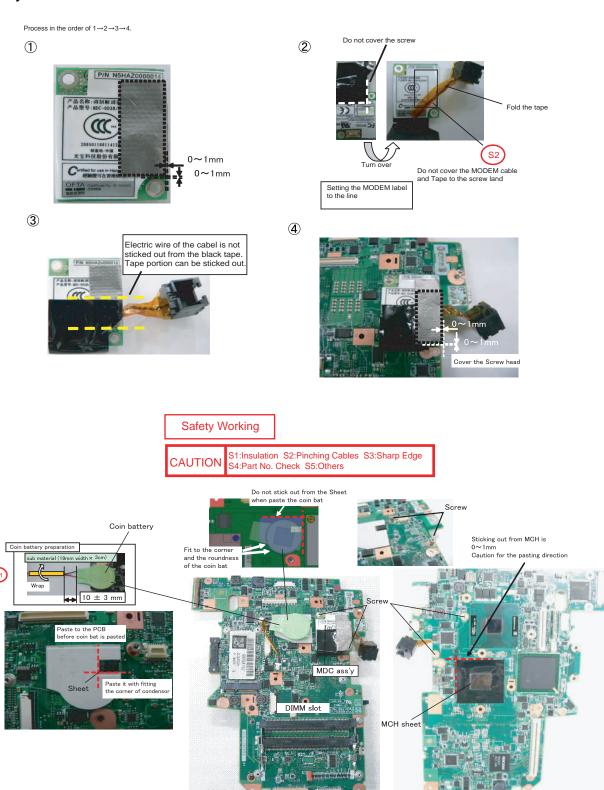
Note:

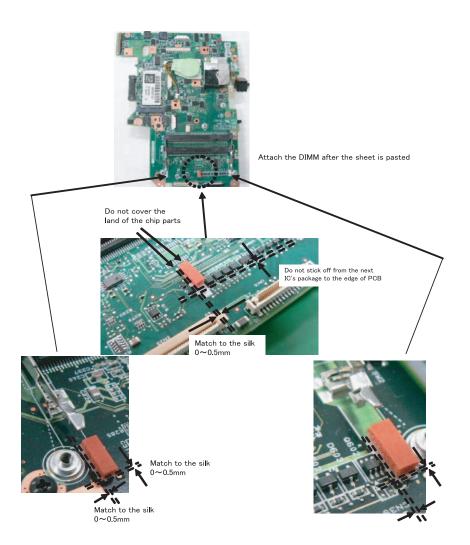
Tighten the Screws in the numbered order (No1 to No7).

Screws <N3>: DFHE5108ZA Screws <N8>: DRSB2+10FKL Screws <N9>: DRSB2+5FKL Screws <N19>: XSB2+3FNL

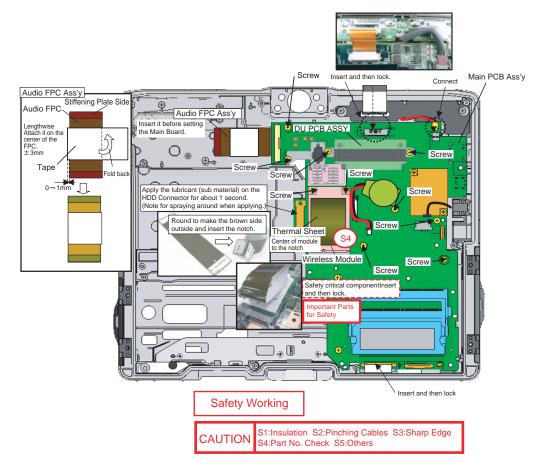


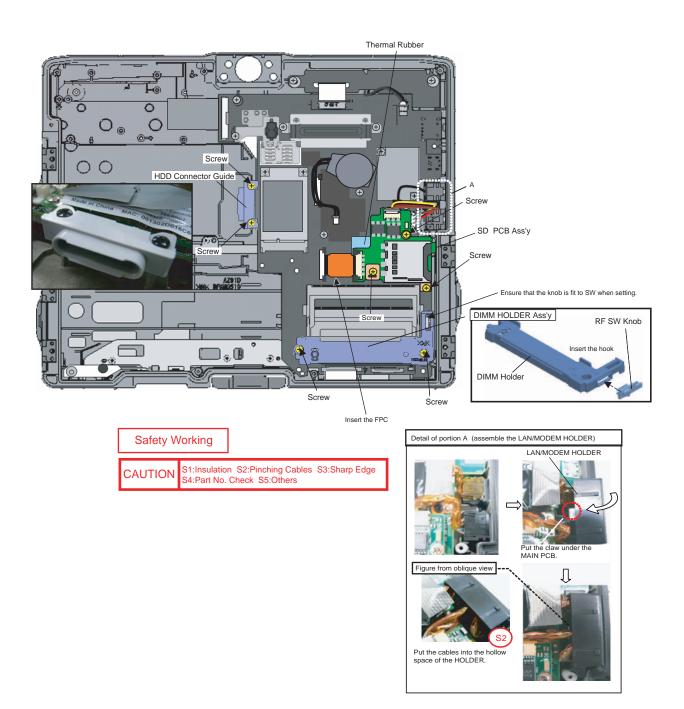
■ Assembly of Main PCB

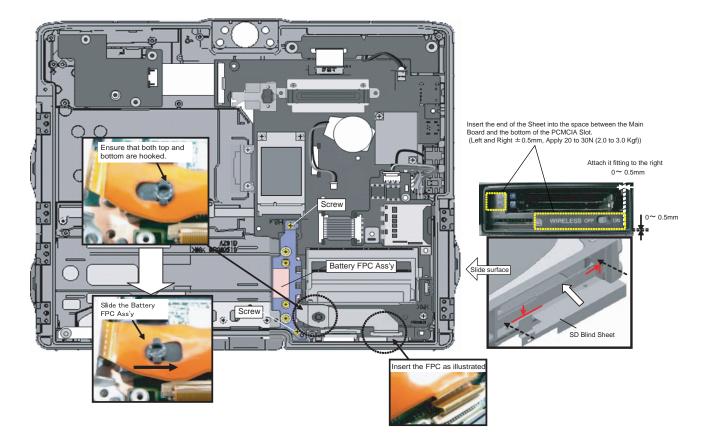




■ Assembly of Main Unit







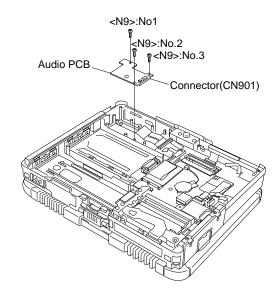
9.2.12. Setting the Audio PCB

- 1. Connect the Cable to the Connector. (CN901)
- 2. Fix the Audio PCB using the 3 Screws. <N9>

Note

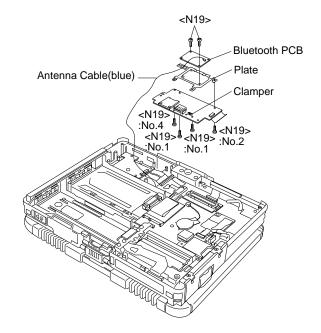
Tighten the Screws in the numbered order (No1 to No3).

Screws <N9>: DRSB2+5FKL



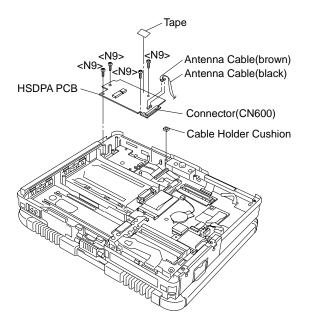
9.2.13. Setting the HSDPA PCB and Bluetooth PCB

- 1. Fix the Plate and Bluetooth PCB using the 2 Screws <N19>.
- 2. Connect the Cable to the Connector. (CN1)
- 3. Connect the Cable to the Connector. (CN604)
- 4. Fix the Plate and the Board using the 4 Screws <N19>.
- 5. Attach the blue Antenna Cable to the Clamper.

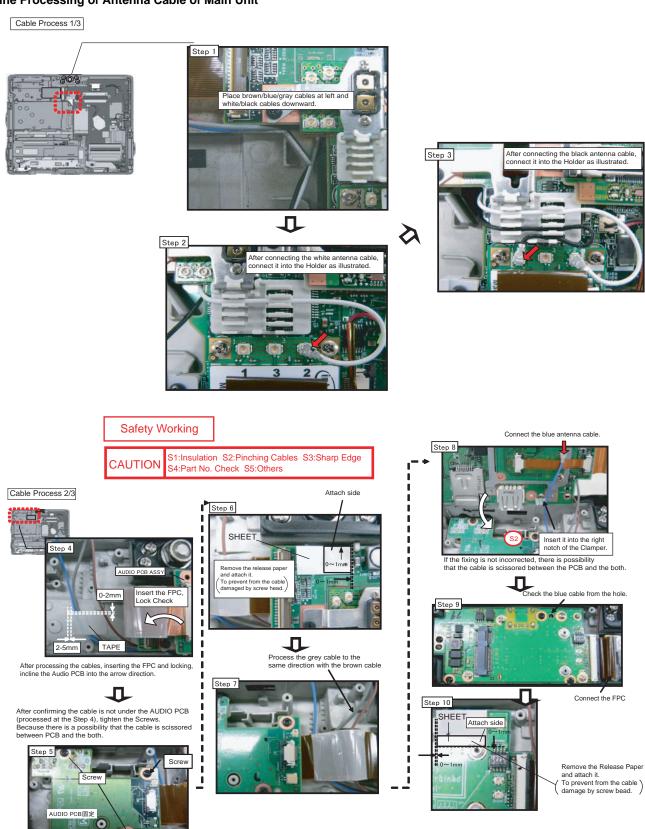


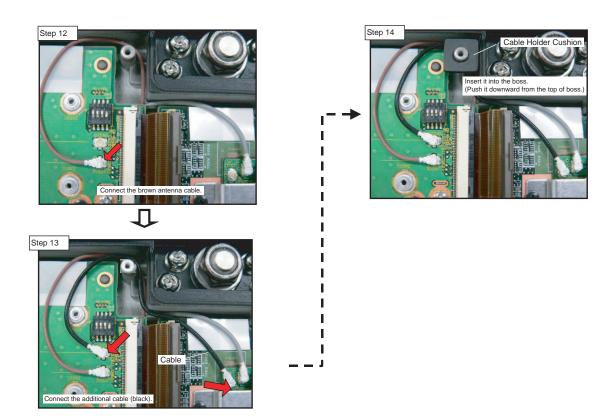
- 6. Connect the Cable to the Connector. (CN600)
- 7. Fix the RF PCB Ass'y using the 4 Screws. <N9>
- 8. Attach the Tape.
- 9. Attach the brown and black Antenna Cables.
- 10. Attach the Cable Holder Cushion.

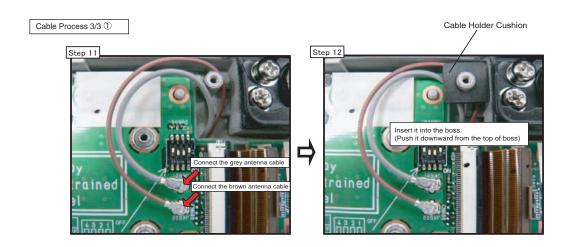
Screws <N9> : DRSB2+5FKL Screws <N19> : XSB2+3FNL



■ Line Processing of Antenna Cable of Main Unit



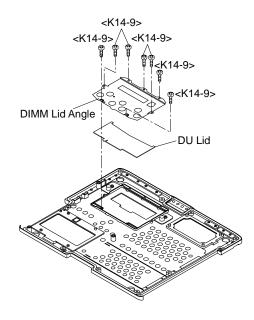




9.2.14. Assembling the DU Lid Unit

1. Fix the DU Lid Angle and the DU Lid using the 7 Screws. <K14-9>

Screws <K14-9>: DXQT2+D25FNL



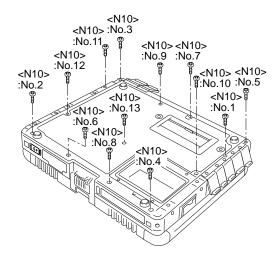
9.2.15. Setting the Rear Cabinet

- Fix the Rear Cabinet on the Computer using the 13 Screws. <N10>
- 2. Close the Lid Covers.

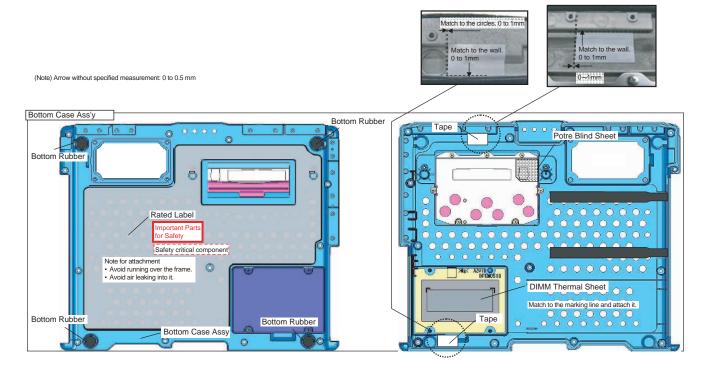
Note:

Tighten the Screws in the numbered order (No1 to No13).

Screws <N10>: DRHM0061ZA



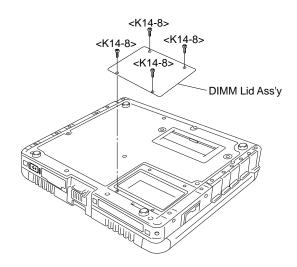
■ Cautions for Setting the Rear Cabinet



9.2.16. Setting the DIMM Lid Ass'y

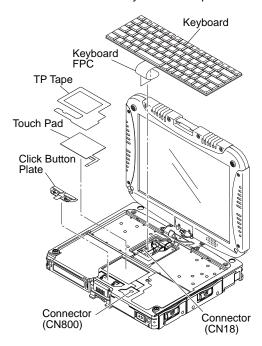
1. Fix the DIMM Lid Ass'y using the 4 Screws. <K14-8>

Screws <K14-8>: DRHM5025YAT

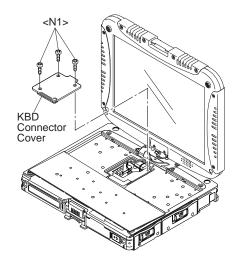


9.2.17. Setting the Touch Pad and Keyboard

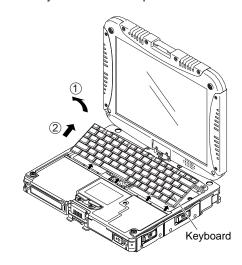
- 1. Connect the Cable to the Connector (CN800), and attach the Touch Pad to the computer.
- 2. Set the Click Button Plate.
- 3. Attach the new TP Tape over the Touch Pad.
- 4. Attach the Palm Rest Ass'y on the computer.



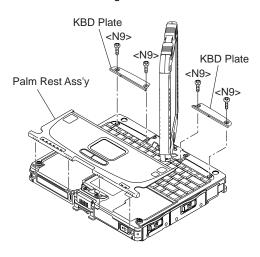
- 5. Connect the Cable of the Keyboard to the Connector (CN18) on the Main PCB.
- 6. Fix the KBD Connector Cover using the three Screws. <N1>



7. Set the Keyboard to the computer.

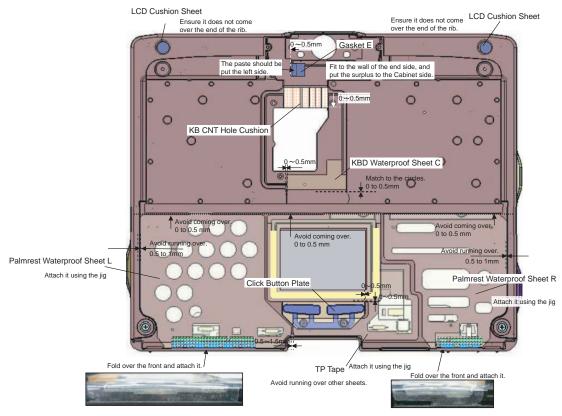


8. Fix the KBD Plate using the four Screws. <N9>



Screws <N1>: DFHE5025XA Screws <N9>: DRSB2+5FKL

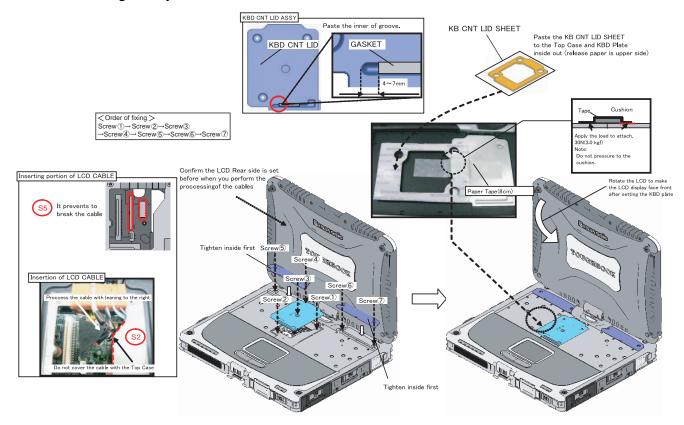
■ Putting of the Sheet



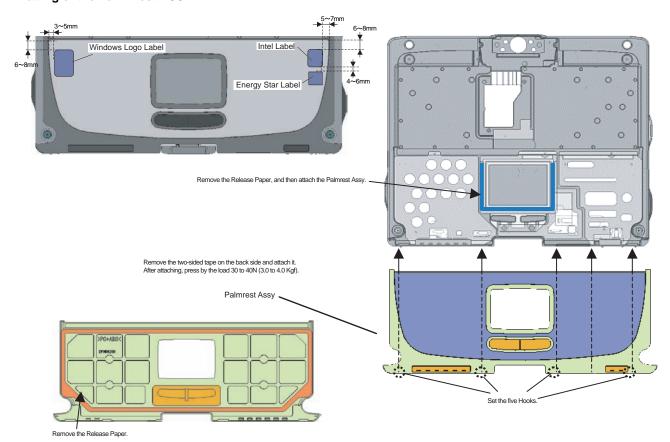
Because the sheets described on this page are waterproof sheets, the whole parts should be put pressure after attaching. (Especially, put pressure around the sheets.)

*Apply the load to attach. 30 to 40N (3.0 to 4.0Kgf)

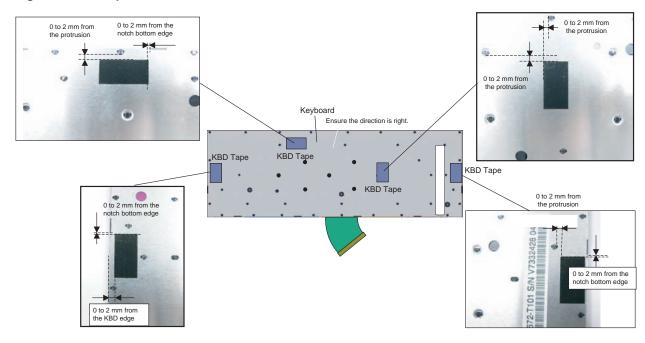
■ Cautions for Setting the Keyboard



■ Putting of the Palm Rest ASSY

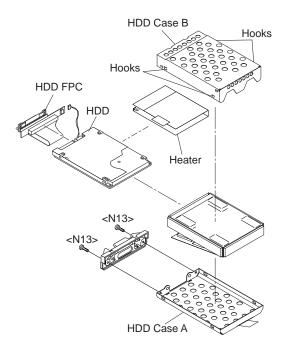


■ Putting of the KBD Tape



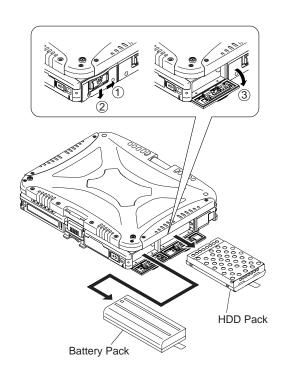
9.2.18. Setting the Battery Pack and the HDD Pack

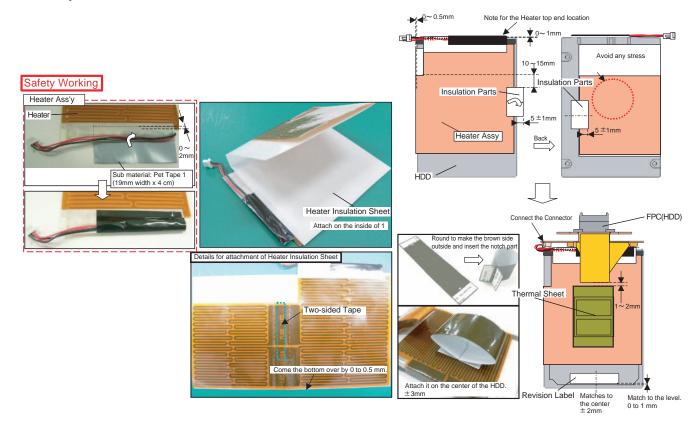
1. Set the HDD in the HDD Case and fix it using the 2 Screws. <N13>

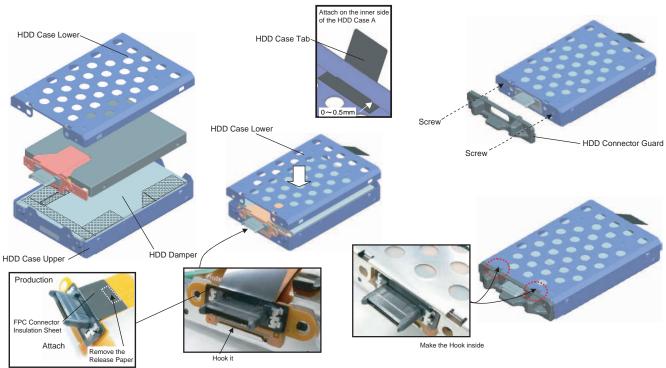


- 2. Open the HDD Cover and set the HDD Pack.
- 3. Open the Battery Cover and set the Battery.

Screws <N13>: DXQT2+D4FNL







9.2.19. Assembling the Each Cover

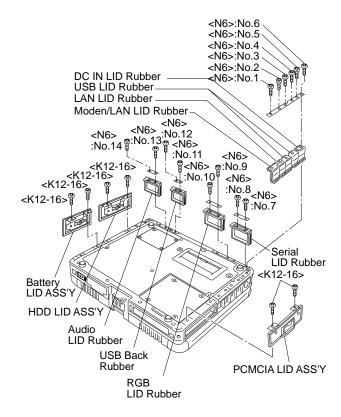
- 1. Fix the Battery LID Ass'y, the HDD LID Ass'y, and the PCMCIA LID Ass'y using the 6 Screws. <K12-16>
- 2. Set the Rear Cabinet.
- Fix the Modem/LAN LID Rubber, the LAN LID Rubber, the USB LID Rubber, the DC IN LID Rubber, the Serial LID Rubber, the RGB LID Rubber, the Audio LID Rubber and USB Back Rubber using the 14 Screws. <N6>

Note:

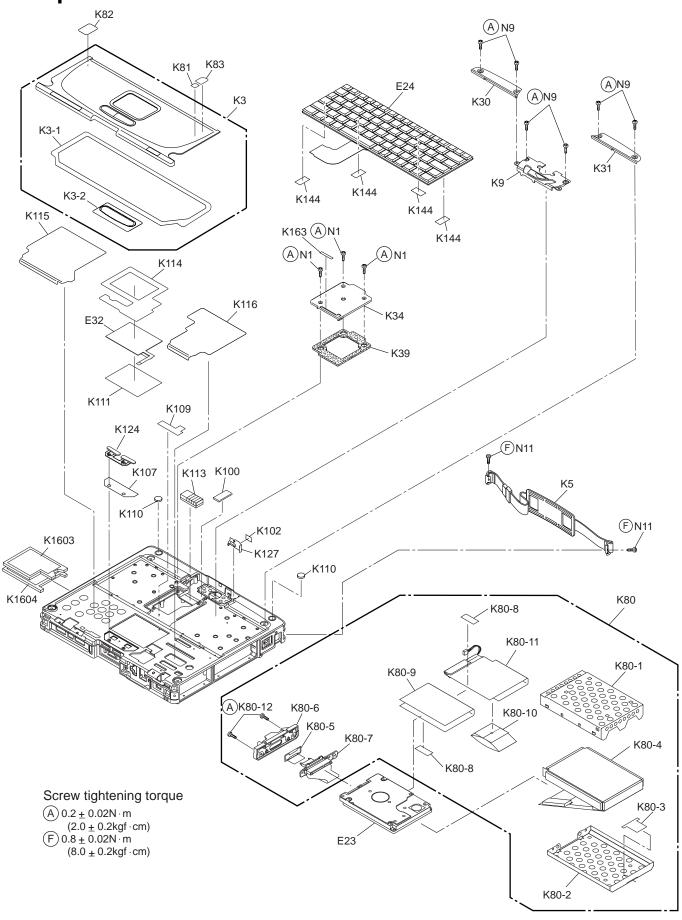
Tighten the Screws in the numbered order (No1 to No14).

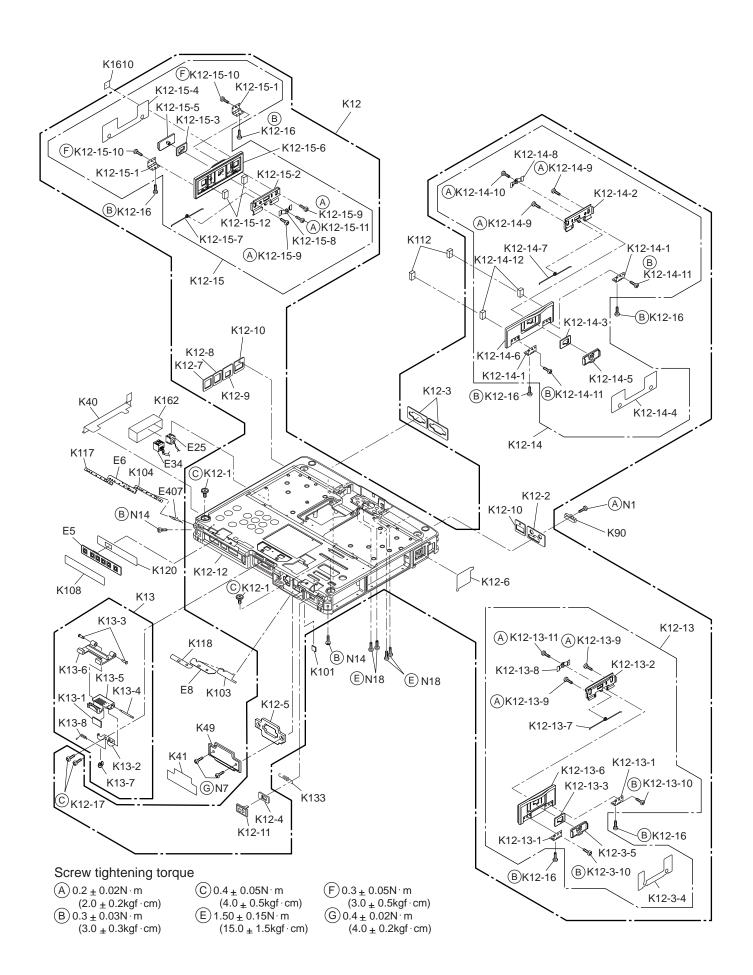
Screws <K12-16> : DRQT26+D3FKL

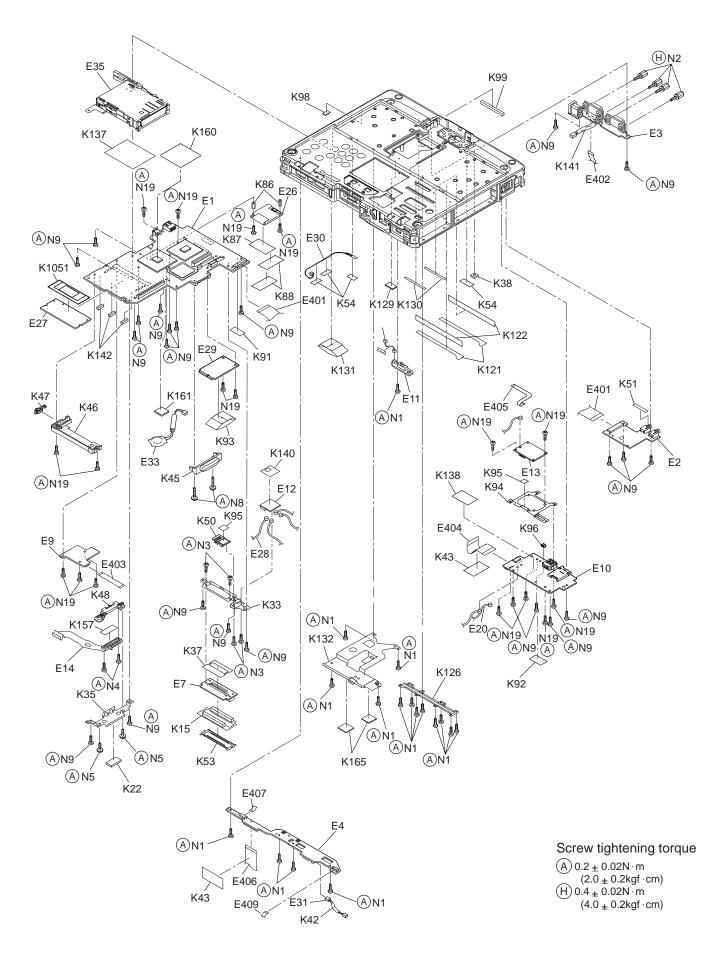
Screw <N6>: DRHM5025YA

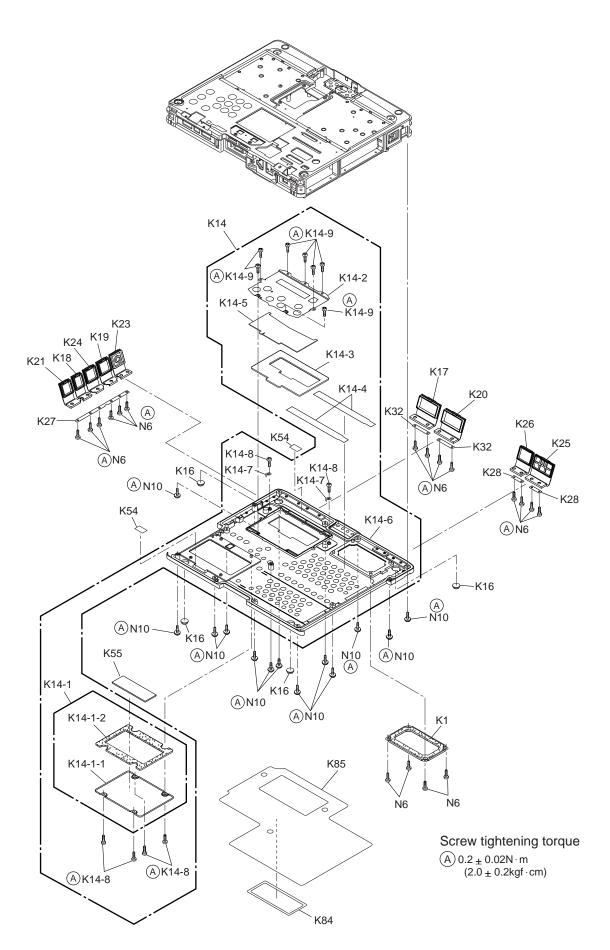


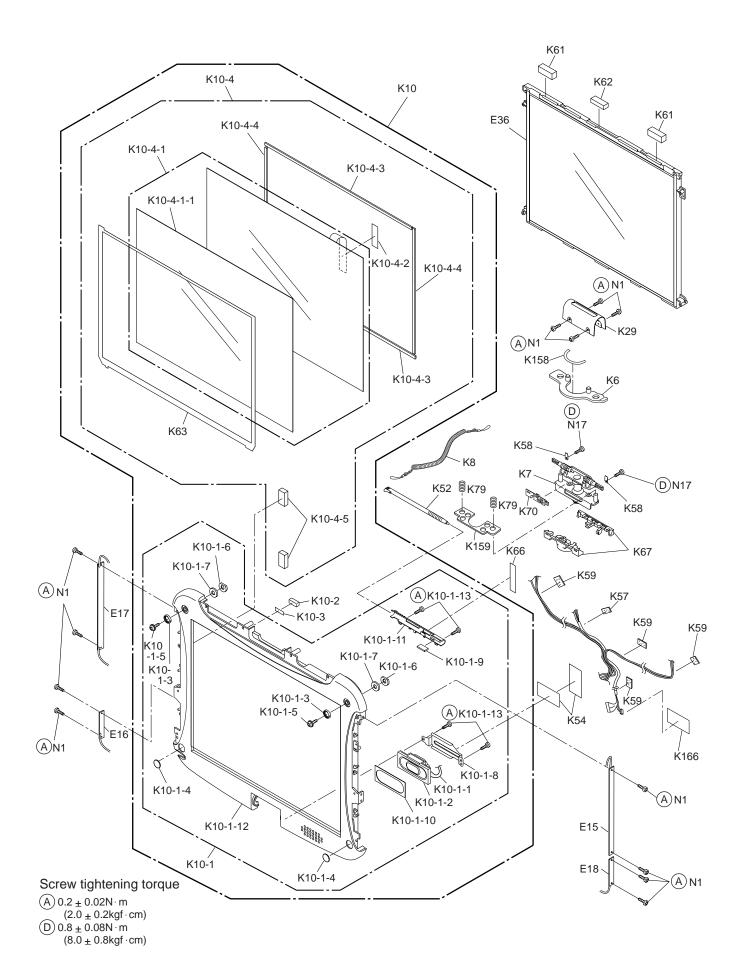
10 Exploded View



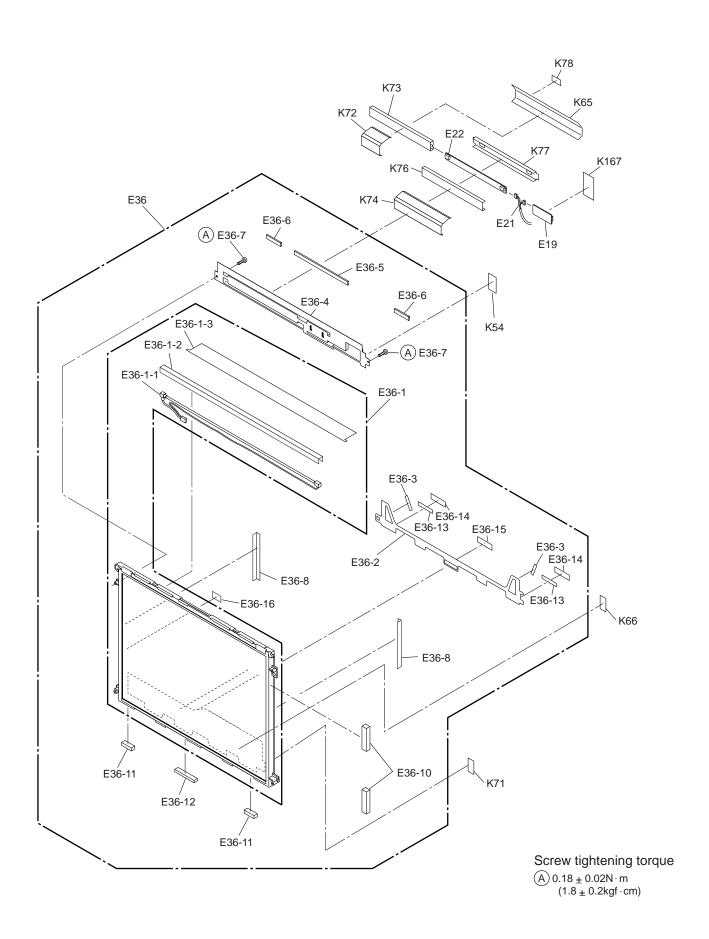


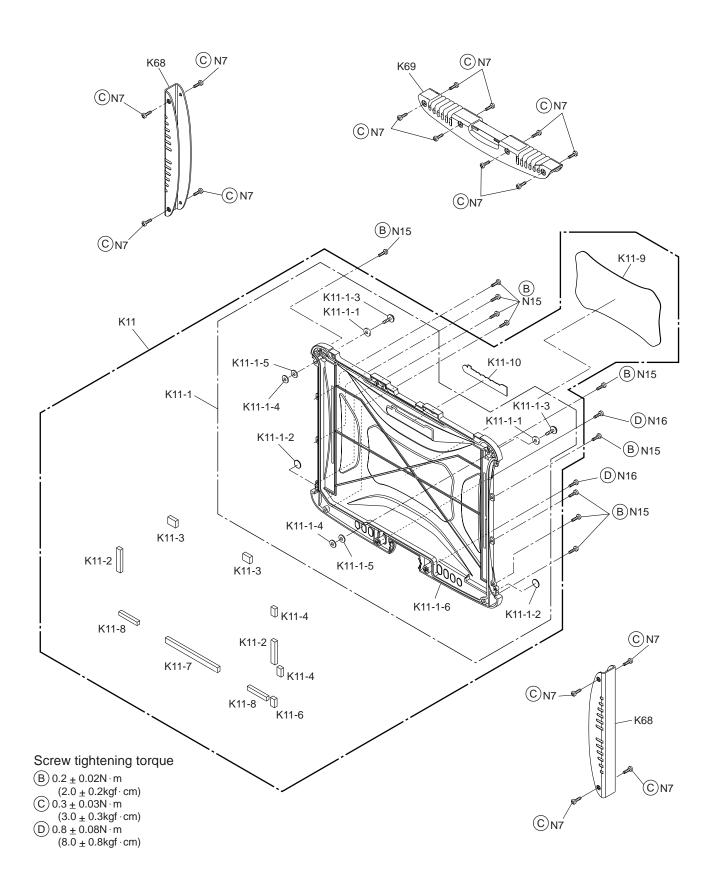






CF-19FHGAXxM





Replacement Parts List

Note: Important Safety Notice

Components identified by mark have special characteristics important for safety.

When replacing any of these components, use only manufacturer's specified parts.

CF-19FHGAXxM NRP: Non Reusable Parts

CF-19FHGAXxM NRP: Non Reusable Pa				
REF. NO and	os	PART NO.	DESCRIPTION	Q'TY
Main Block Unit				
E1		DL31U1633AAA	PCB, MAIN RTL	1
E2		DL32U1633AAA	PCB, AUDIO RTL	1
E3		DL33U1633AAA	PCB, IO RTL	1
E4		DL31U1634AAA	PCB, PAD RTL	1
E5		DL32U1634AAA	PCB, SW RTL	1
<u>E6</u>		DL33U1634AAA	PCB, LED-LEFT RTL	1
E7 E8		DL34U1634AAA DL36U1634AAA	PCB, LFD-RIGHT RTL	1
E9		DL37U1634AAA	PCB, LED-RIGHT RTL PCB, SD RTL	1
E10		DL38U1634AAA	PCB, HSDPA RTL	1
E11		DL39U1634AAA	PCB, POWERSW RTL	1
E12		DL3UP1552AAA	PCB, EXT ANT UNIT RTL	1
E13		DL31U1635AAA	PCB, BT RTL	1
E14		DL3UP1566AAA	BAT FPC UNIT	1
E15		DL3U11553AAA	WWAN MAIN ANT RTL	1
E16		DL3U21553AAA	WWAN AUX ANT RTL	1
E17		DL3U31553AAA	LAN-MAIN BT ANT RTL	1
E18		DL3U41553AAA	LAN AUX ANT RTL	1
E19		DL3UP1605AAA	CF-19 TS PCB UNIT RTL	1
E20		DFJS1060ZA	WWAN COAXIAL CABLE	1
E21		DFJS1117ZA	LCD CABLE TS	1
E22	<u> </u>	N0GB1J000019	INVERTER	1
E23	\triangle	N3CAYYY00030	HARD DISK	1
E24		N2AZZY000078	KEYBOARD VISTA, U.S.	1
E25		DFJS1120ZA	MODEM CABLE	1
E26	⚠	N5HAZ0000014	MODEM	1
E27 E28		N5ZZ00000128	DDR2-667 200PIN SO-DIMM, 1GB	1
E28	\wedge	DFJS1059ZA N5HZC0000031	WLAN COAXIAL CABLE	1
E30	7:\	D4CZY103A003	WIRELESS LAN MODULE THERMISTOR	1
E31		DFJS1043ZA	POWER SW CABLE	1
E32		N2EABEC00006	TOUCHPAD	1
E33		BR-2330A/SF	LITHIUM COIN BATTERY	1
E34		DFJS1119ZA	LAN CABLE	1
E35		K1NB94B00001	EXPRESS PCMCIA COMBO SLOT	1
E36		DFWV08A0108	LCD UNIT ASS'Y	1
E36-1		DL3DW0186AAA	LCD ASS'Y	1
E36-1-1		A2CA00000056	LCD BACKLIGHT, CCFGL	1
E36-1-2		DFHM0290ZA	REFLECTION ANGLE	1
E36-1-3		DFHR3H12YA	LCD REFLECT TAPE	1
E36-2		DFHR3612ZA	LCD PWB SPACER	1
E36-3		DFHR3647YA	SPACER SHEET	2
E36-4		DFHR3D92YA	LCD BACK DAMPER	1
E36-5		DFHR3570YA	LCD BACK CUSHION	1
E36-6		DFHR3571YA	LCD BACK CUSHION S	2
E36-7		DXHM0042ZA	SCREW	2
E36-8		DFHR3648ZA	HOLDER SHEET B	2
E36-10 E36-11		DFHR3B64ZA DFHR3506YA	LCD SIDE CUSHION A	2
E36-11		DFHR3506YA	LCD SIDE CUSHION C	1
E36-12 E36-13		DFHR3507YA	LCD SIDE CUSHION D LCD BACK SPACER TS	2
E36-14		DFHR3G97ZA DFHR3G99ZA	LCD REAR CUSHION F	2
E36-15		DFHR3G99ZA DFHR3H84ZA	LCD REAR CUSHION I	1
E36-16		DFMX0383TA	INSULATION PARTS	1
E401		DFUP1587ZA	FPC, AUDIO 40PIN	1
E402		DFUP1588ZA	FPC, IO 24PIN	1
LTUL		D. O. 1000L/(11 0, 10 271 114	

E403		DFUP1644ZA	FPC, SD(19MK2 SD LAN 24PIN)		1
E404		DFUP1586ZA	FPC, HSDPA 50PIN		1
E405		DFUP1645ZA	FPC, BT(19MK2 BT FPC 10PIN)		1
E406		DFUP1589ZA	FPC, PAD 40PIN		1
E407		DFUP1591ZA	FPC, LED LEFT 10PIN		2
E409		DFUP1593ZA	FPC, LED RIGHT 6PIN		1
Accessories					
A1	\triangle	NCR-B/603A	LITHIUM ION BATTERY PACK		1
A2	A	CF-AA1633AM1	AC ADAPTOR		1
A3		K2CG3DR00003	AC CORD		1
A4 (A)		DFQW5088ZA	OPERATING INSTRUCTIONS(CF-19MK2)		1
A4 (J)	⚠	DFQW5097ZA	MANUAL(CF-19MK2 VISTA)		1
A5		DFJS954ZA	MODEM CABLE		1
A6		DFHS9017ZA	TOUCHPANEL CLOTH		1
A7 (A)		DFQM8379MA	RECOVERY DVD, VISTA		1
A8		DFQC9006ZB-0	SHOULDER BELT ASS'Y		1
Packing Material		In ====================================	l		
P1		DFPE0733YA	HOLDER		1
P2		DFPE0859YA	HOLDER		1
P3		DFPK1210WA	PACKING CASE		1
P4		DFPK1216YA	ACCESSORY BOX		1
Mechanical Parts		DELIMON1774 O	E70 LID ACC'V	1	4
K1 K3		DFHM9017ZA-0 DFHR9125ZD-0	EZC LID ASS'Y		1
			PALM REST ASS'Y	NDD	I
K3-1 K3-2		DFHR3578ZA DFHR3580YA	PARMREST TAPE OUTSIDE	NRP	<u> </u>
			PARMREST TAPE RUBBER	NRP	1
K5 K6	Λ	DFQC9009ZC-0	STRAP BG ASS'Y		1
K7	<u> </u>	DFKE9059YA DFBH3029UA	LOCK PLATE ASS'Y		1
K8		DFME0148YA	HINGE PEN TETHER		<u>'</u> 1
K9	Æ	DFKE9086ZA-0	HINGE TOP COVER ASM		1
K10	<u> </u>	DFWV80A0401	LCD FRONT CABINET/TS PANEL ASS'Y		<u>1</u>
K10-1	<u> </u>	DFKF9033VB-1	LCD FRONT CASE ASS'Y TS		<u>'</u> 1
K10-1-1	<u> </u>	DFJS1064ZA	SPEAKER CABLE		1
K10-1-2		L0AA04C00012	SPEAKER		1
K10-1-3		DFHG1634YA-0	LCD CABINET CUSHION A	NRP	2
K10-1-4		DFHG1635ZA-0	LCD CABINET CUSHION B	NRP	2
K10-1-5		DFHM0319YA	LCD ELEPASS	IVI	2
K10-1-6		DFHM0321ZA	D WASHER		2
K10-1-7		DFHM0322ZA	SPRING WASHER		2
K10-1-8		DFHM0413ZA	SPEAKER PLATE		1
K10-1-9		DFHR3469ZA	PEN FRICTION SHEET	NRP	1
K10-1-10		DFHR3H08ZA	SPEAKER WP SHEET	NRP	1
K10-1-11		DFHR6282ZB	PEN HOLDER		1
K10-1-12	Ą	DFKM0521VA-1	FRONT CASE TS BLACK		1
K10-1-13		DRHM5025YAT	SCREW	<u> </u>	4
K10-2		DFHE0805ZA	MAGNET	<u> </u>	1
K10-3		DFHP7149ZA	MAGNET TAPE	NRP	1
K10-4		DFWV84A0308	TOUCH SCREEN PANEL KIT	j	1
K10-4-1		DL3DV0186AAA	TS PANEL ASS'Y		1
K10-4-1-1		DFHR9071ZA	PROTECTIVE FILM		1
K10-4-2		DFHR3630ZA	TS FPC SPACER	NRP	1
K10-4-3		DFHR3476ZA	TS SPACER A	NRP	2
K10-4-4		DFHR3477ZA	TS SPACER B	NRP	2
K10-4-5		DFHR3464WA	LCD SIDE CUSHION B TS	NRP	2
K11		DFWV80C0532	LCD REAR CABINET ASS'Y		1
K11-1	Λ	DFKM9039YA-0	REAR CASE ASS'Y		1
K11-1-1		DFHG1634YA-0	LCD CABINET CUSHION A	NRP	2
K11-1-2		DFHG1635ZA-0	LCD CABNET CUSHION B	NRP	2
K11-1-3		DFHM0319YA	LCD ELEPASS		2
K11-1-4		DFHM0321ZA	D WASHER		2
K11-1-5		DFHM0322ZA	SPRING WASHER		2
K11-1-6	⚠	DFKM0522YA-0	REAR CASE		1
K11-2		DFHR3J19ZA	LCD REAR CUSHION J	NRP	2
K11-3		DFHR3460YA	LCD REAR CUSHION A	NRP	2
K11-4		DFHR3567YA	LCD REAR CUSHION G	NRP	2

1/11 0	DELIBOROOVA	LOD DEAD OLIOUTON O	vpl 4
K11-6	DFHR3563YA	LCD REAR CUSHION C NF	
K11-7	DFHR3564YA	LCD REAR CUSHION D NF	
K11-8	DFHR3565YA	LCD REAR CUSHION E NF	RP 2
K11-9	DFGB0165YA-0	TOUGHBOOK BADGE NEW NF	RP 1
K11-10	DFGB0131YA-0	PANASONIC BADGE	1
K12 🅂	DFKM9040WA-0	TOP CASE ASS'Y	1
K12-1	DFHM0320YA	TOP ELEPASS	2
K12-2	DFHR3434ZA		
K12-3	DFHR3440ZA	DSUB WATERPROOF SHEET NF	
K12-4	DFHR3470YA	PSW WATERPROOF SHEET NF	
K12-5	DFHR3D86ZA	FS CASE WP SHEET NF	RP 1
K12-6	DFHR3D94YA	GPS HOLE SHEET A NF	RP 1
K12-7	DFHR3E15ZA	LAN WP SHEET NF	RP 1
K12-8	DFHR3E16ZA	MODEM WP SHEET NF	RP 1
K12-9	DFHR3F00ZA	1394 WP SHEET NF	
K12-10	DFHR3F01ZA		
			(P
K12-11	DFHR6276ZA-0	POWER SW KNOB	
K12−12 <u> </u>	DFKM0519WA-0	TOP CASE	1
K12−13 <u>∧</u>	DFKE9089YA-0	BAT LID ASS'Y	1
K12-13-1	DFBH3030ZA	LID HINGE	2
K12-13-2	DFHM0315YC	LATCH PLATE BATTERY	1
K12-13-3	DFHR3466YA	LID KNOB SHEET NF	RP 1
K12-13-4	DFHR3509YA	BAT COVER SHEET NF	
			1
K12-13-5	DFKE0889ZA-0	LID KNOB	<u> </u>
K12−13−6 <u></u>	DFKE0891ZA-0	BAT LID	1
K12-13-7	DFUN0068XA	LID KNOB SPRING	1
K12-13-8	DFUS0323ZA	LID KNOB SPRING PLATE	1
K12-13-9	DRHM0109ZAT	SCREW	2
K12-13-10	DRQT26+D3KLT	SCREW	2
K12-13-11	DXQT2+F3FNLT	SCREW	1
K12-14	DFKE9090XA-0	HDD LID ASS'Y	1
K12-14-1	DFBH3030ZA	LID HINGE	2
K12-14-2	DFHM0285XC	LID LATCH PLATE	1
K12-14-3	DFHR3466YA	LID KNOB SHEET NF	RP 1
K12-14-4	DFHR3508YA-0	HDD COVER SHEET NF	RP 1
K12-14-5	DFKE0889ZA-0	LID KNOB	1
K12-14-6	DFKE0890ZA-0	HDD LID	1
K12-14-7	DFUN0068XA	LID KNOB SPRING	1
K12-14-8	DFUS0323ZA		1
		LID KNOB SPRING PLATE	
K12-14-9	DRHM0109ZAT	SCREW	2
K12-14-10	DRQT26+D3KLT	SCREW	2
K12-14-11	DRHM5025YAT	SCREW	1
K12-14-12	DFHR6218YA	SPACER	2
K12−15 <u>Λ</u>	DFKE9091YA-0	PCMCIA LID ASS'Y	1
K12-15-1	DFBH3030ZA	LID HINGE	2
K12-15-2	DFHM0285XC	LID LATCH PLATE	1
K12-15-3	DFHR3466YA	LID KNOB SHEET NF	
	DFHR3588RA-0		
K12-15-4			\r
K12-15-5	DFKE0889ZA-0	LID KNOB	1
K12−15−6 <u></u> Λ	DFKE0890ZA-0	HDD LID	1
K12-15-7	DFUN0068XA	LID KNOB SPRING	1
K12-15-8	DFUS0323ZA	LID KNOB SPRING PLATE	1
K12-15-9	DRHM0109ZAT	SCREW	2
K12-15-10	DRHM5025YAT	SCREW	1
K12-15-11	DRQT26+D3KLT	SCREW	2
K12-15-12	DFHR6218YA		2
		SPACER	6
K12-16	DRQT26+D3KLT	SCREW	
K12-17	DXQT3+F4FNLT	SCREW	2
K13 <u>∧</u>	DFKE9092YA-0	TABLET LATCH ASS'Y	1
K13-1	DFHG1669ZA	TABLET LATCH SHEET NF	RP 1
K13-2	DFHM0291ZA	TABLET LATCH PLATE	1
K13-3	DFHM0294WA	TABLET LATCH PIN	2
K13-4	DFHM0295ZA	TABLET LATCH SHAFT	1
		TO DEET DESTRUCTION OF THE PROPERTY OF THE PRO	
K12−5 A			1
K13-5 A	DFKE0892ZA-0	TABLET LATCH KNOB	1
K13-5 <u>∧</u> K13-6 <u>∧</u> K13-7			1

K13-8	DFUN0069XA	LATCH KNOB SPRING	1
	↑ DFKM9041XA-0	BOTTOM CASE ASS'Y	1
K14 Z	DFHM9016ZA-0	DIMM LID ASS'Y	1
K14-1-1	DFHM0401ZA-0	DIMM LID	<u>'</u>
K14-1-1	DFHR3E14ZA	DIMM LID WP SHEET NRP	1
K14-1-2 K14-2			1
	DFHM0410YA	DU LID ANGLE	
K14-3	DFHR3441ZA	DU LID WATERPROOF SHEET NRP	
K14-4	DFHR3F64ZA	HDD BOTTOM SHEET	2
K14-5	DFHR6283ZB-0	DU LID	1
	<u>↑</u> DFKM0518XA-0	BOTTOM CASE	1
K14-7	DFUS0316ZA	PLATE SPRING GUIDE PIN	2
K14-8	DRHM5025YAT	SCREW	6
K14-9	DXQT2+D25FNL	SCREW	7
K15	DFHE1019YA	DU CON SPONGE	1
K16	DFHG1209ZA	RUBBER HOOT	4
K17	DFHG1996ZA-0	SERIAL LID RUBBER	1
K18	DFHG1638ZB-0	MODEM LID RUBBER	1
K19	DFHG1998ZA-0	USB LID RUBBER	1
K20	DFHG1997ZA-0	RGB LID RUBBER	1
K21	DFHG1660ZB-0	LAN LID RUBBER	1
K22	DFHG1790ZA	BAT CUSHION	1
K23	DFHG1902ZA-0	DC-IN LID RUBBER	1
K24	DFHG1903ZB-0	1394 LID RUBBER	1
K25	DFHG1906ZA-0	AUDIO LID RUBBER	1
K26	DFHG1907YB-0	USB LID RUBBER 2	1
K27	DFHM0286YB	LID RUBBER PLATE A	1
K28	DFHM0288ZB	LID RUBBER PLATE C	2
K29	DFHM0296XA-0	LCD HINGE COVER(SILVER)	1
K30	DFHM0302XA-1	KEYBOARD PLATE(L)	1
K30	DFHM0303XA-0	KEYBOARD PLATE(R)	<u>'</u>
K32	DFHM0303XA=0		2
K32		LID RUBBER PLATE B	1
	DFHM0403XA	DU CNT ANGLE	
K34	DFHM0406ZA	KBD CNT LID	1
K35	DFHM0407ZA	BAT CON ANGLE	1
K37	DFHR3487YA	PORTRE SHEET NRP	1
K38	DFHR3636ZA	CABLE HOLD SHEET NRP	
K39	DFHR3D91ZA	KB CNT LID WP SHEET NRP	
K40	DFHR3E03ZA	SD BLIND SHEET NRP	
K41	DFHR3E53ZA	FS SCREW SHEET NRP	
K42	DFHR3F62ZA	POWER SWITCH CABLE SHEET NRP	
K43	DFHR3G19ZA	INSULATION SHEET NRP	2
K45	DFHR6246ZA	HDD GUIDE	1
K46	DFHR6284ZA	DIMM HOLDER	1
K47	DFHR6286ZA-0	RF SW KNOB	1
K48	DFHR6289YA	BAT CON HOLDER	1
K49	DFHR6290ZA-0	FS DUMMY CASE	1
K50	DFHR6312ZA	ANT CABLE HOLDER	1
K51	DFHR7946ZA	MP GUIDE SHEET NRP	1
K52	DFHR9081ZA	PEN	1
K53	DFMC0870YA	DU SPRING	1
K54	DFMX0383TA	INSULATION PARTS	9
K55	DFMY0419ZA	DIMM THERMAL RUBBER	1
K57	DFHE0915ZA	EMI SHEET 10X20 NRP	
K58	DFHM0325ZA	CABLE HOLD PLATE	2
K59	DFHR3432ZA	ANT CABLE CUSHION NRP	
K61	DFHR3573YA	LCD SIDE CUSHION E NRP	2
K62	DFHR3574YA	LCD SIDE CUSHION F NRP	1
K63	DFHR3638XA	DG TAPE	1
K65	DFHR3G16ZA	INSULATION SHEET 30X140 NRP	1
K66	DFHR3G42ZA	TAPE PEN HOLDER	2
K67	DFHR6277ZA-0	CABLE HOLDER	2
K68	DFHR6320ZA-0	ANT COVER	2
K68 K69			1
	DFHR6320ZA-0	TABLET LATCH COVER	
K69	DFHR6320ZA-0 DFHR6279YA-0	TABLET LATCH COVER HINGE CABLE HOLDER	1 1
K69 K70	DFHR6320ZA-0 DFHR6279YA-0 DFHR6298ZA	TABLET LATCH COVER HINGE CABLE HOLDER	1

K74 DFMO20878ZA INVESTER SHIELD SHEET NRP K76 DFMX1289ZA INVESTER CASE(LOWER) FORTOTYA K77 DFMX1289ZA INVESTER CASE(LOWER) FORTOTYA K78 DFD00100ZA LOCK SPRING . K80 DFW99A0124 HOD CASE LOWER . K80-1 DFHM04042B HOD CASE LOWER . K80-2 DFHM04042B HOD CASE LOWER . K80-3 DFHR3589ZA HOD CASE LOWER . K80-3 DFHR3589ZA HOD CANECTER . K80-5 DFHR3589ZA HOD CONDETOR GUARD . K80-6 DFHR297ZA HOD CONDETOR GUARD . K80-7 DL3UP1596CAA HOD CONDETOR GUARD . K80-8 DFMX1285ZA INSULATION PARTS NRP K80-1 JEXPY0000008 HEATERHDD . K80-1 JEYT24DFFN LSCYCTYOTA . K80-1 JEYT24DFFN LSCYCTYOTA . K80-1 JEYT25DFA29ZA NIND	K73	DFMC0877YA	INVERTER CASE	1
K76 DFMX1287ZA INVERTER OASE(DASE) K77 DFMX1286ZA INVERTER OASE(DASE) K78 DFO0F07YA CAUTION LABEL K78 DFO0F07YA CAUTION LABEL K79 DFU00F00ZA LOCK SPRING K80 DFWY980124 HOD MOUNTING KIT K80 DFWY980124 HOD MOUNTING KIT K80 DFWY980124 HOD ASE LOWER K80 DFWY980124 HOD CASE LOWER K80 DFWM980124 HOD CASE LOWER K80 DFWM980125 HOD CASE LOWER K80 DFWM980126 HOD CASE LOWER K80 DFWM980127 HOD CASE LOWER				D 1
K77				-
K78 DF00100ZA LOCK SPRING				1
K79				1
K80				1
K80-1			LOCK SPRING	2
K80-2 DFHM0416YA		DFWV99A0124	HDD MOUNTING KIT	1
K80-3	K80-1	DFHM0404ZB	HDD CASE UPPER	1
K80-4 DFHR39H8ZA	K80-2	DFHM0416YA	HDD CASE LOWER	1
K89-5	K80-3	DFHR3589ZA	HDD CASE TAB	1
K80-5	K80-4	DFHR3H58ZA	HDD DAMPER	1
K80-6	K80-5	DFHR3F54ZA	HDD CON SHEET	1
K80-7 DL3UP1564CAA HDD FPC UNIT K80-8 DFMX03837A INSULATION PARTS NPP K80-9 DFMX1265ZA INSULATION PARTS NPP K80-10 DFMX1265ZA INSULATION SHEET NRP K80-11 ▲ DSDYY00000B LATERHADD K80-12 DKDYY00000B HEATERHADD K81 DFGT045ZA ENERGY STAR LABEL K81 DFGT045ZA ENERGY STAR LABEL K82 DFGT984ZA CENTRINO DUO LABEL K83 DFGT984ZA CENTRINO DUO LABEL K84 DFGT0987XA CABEL LABEL K85 DFGT0987XA CABEL LABEL K86 DFH078785ZA MODEM CABLE SHEET NRP K87 DFHRS52A MODEM CABLE SHEET NRP K88 DFMC0881ZA BILL SHEAD SHEET NRP K89 DFHRS312AZA BILL SHEAD SHEET NRP K90 DFHRS312AZA BILL SHEAD SHEET NRP K91 DFHRS314AZA BILL SHEAD SHEET NRP <				1
K80-8 DFMX0383TA MSULATION PARTS NFP 1	*****			1
K80-9 DFMX1285ZA MISULATION SHEET (HDD HEATER) NRP				
K80-10 DFM*3208ZA W_AM SHEET NRP				_
K80-11				
K80-12 DXG72-D4FNL SCREW				
K81 DFOT004SZA ENERGY STAR LABEL K82 DFOT99A9ZA WINDOWS VISTA K83 DFOT9081ZA CENTRINO DUO LABEL K84 DFOT005YA COA SERIAL LAMINATE NRP K85 DFOT0094YA RATED LABEL THE K86 DFH004H004YB HEXAGON SPACER H=42MM Z K87 DFHR3F8SZA MODEM CABLE SHEET NRP K88 DFM0309YA-1 SM LOCK PLATE NRP K90 DFHM0309YA-1 SM LOCK PLATE NRP K91 DFHR3G18ZA BIS HEAD SHEET NRP K92 DFHR3G16ZA BIS HEAD SHEET NRP K93 DFHW3224ZA WLAN SHEET NRP K94 DFHM041ZZA RF-BT PLATE NRP K95 DFHR315ZAZ LCD CABLE TAPE NRP K96 DFHR548ZA CLAMP NRP K98 DFHC0311YA QASKET-65TSV10-4-15 1 K99 DFHE0311ZA QASKET-65TSV10-4-3-50 1 K100 <				1
K82 DFOT94282A WINDOWS VISTA K83 DFOT9931ZA CENTEND DUO LABEL K84 DFOT0957YA COA SERIAL LAMINATE NRP K85 ▲ DFOT1094YA RATEO LABEL NRP K86 Ø FH004H004YB HEXAGON SPACER H=42MM 2 K87 DFHRS685ZA MODEM CABLE SHEET NRP K88 DFMOR981ZA BUSTERAID MODEM NRP K80 DFHM303974-1 SIM LOCK PLATE 1 K80 DFHR3018ZA BIS HEAD SHEET NRP K90 DFHR3018ZA BIS HEAD SHEET NRP K92 DFHR3018ZA BIS HEAD SHEET 2 NRP K92 DFHR3018ZA BIS HEAD SHEET 2 NRP K93 DFHW312ZA RF-BT PLATE NRP K94 DFHM0412ZA RF-BT PLATE NRP K95 DFHR314ZA LCD CABLE TAPE NRP K96 DFHR344ZA CLAMP NRP K98 DFHE0311YA GASKET-65TSV1-3-15-20 NRP		DXQT2+D4FNL	SCREW	2
K83 DFGT9981ZA CENTRINO DUO LABEL K84 DFGT00557A COA SERIAL LAMINATE NRP K85 ▲ DFGT00557A COA SERIAL LAMINATE NRP K86 ▲ DFH004H004YB HEXAGON SPACER H=42MM 2 K87 → DFHRSF35ZA MODEM CABLE SETE NRP K88 → DFMC0881ZA BUSTERAID MODEM NRP K80 → DFMG03681ZA BUSTERAID MODEM NRP K80 → DFMG03681ZA BUSTERAID MODEM NRP K91 → DFHRSG18ZA BUSTERAID MODEM NRP K91 → DFHRSG24ZA BUSTERAID MODEM NRP K92 → DFHRSG24ZA BUSTERAID MODEM NRP K93 → DFHRSG24ZA WLAN SHEET NRP K94 → DFHR012ZA RF-BT PLATE NRP K95 → DFHRS44ZA CLMP NRP K96 → DFHRS44ZA CLMP NRP 1 K98 → DFHE0315AZ GASKET-65TSV10-4-15 NRP 1 K100 → DFHE032AXA<	K81	DFQT0045ZA	ENERGY STAR LABEL	1
K84 DFOT0055YA COA SERAL LAMINATE NRP K85 ▲ DFGT1094YA RATED LABEL 1 K86 DFH004H004YB HEXAGON SPAGER H=4.2MM 2 K87 DFH8785ZA MODEM CABLE SHEET NRP K88 DFM00881ZA BUSTERAID MODEM NRP K80 DFH80309YA-1 SIM LOCK PLATE NRP K90 DFH83039YA-1 SIM LOCK PLATE NRP K90 DFH83039YA-1 SIM LOCK PLATE NRP K90 DFH83038YA-1 SIM LOCK PLATE NRP K92 DFH83018YA BIS HEAD SHEET NRP 1 K92 DFH83024ZA BIS HEAD SHEET NRP 1 K94 DFH94012ZA RF-BT PLATE NRP 1 K95 DFH8154ZA LCD CABLE TAPE NRP 1 K98 DFH6031YA GASKET-65TSV1-3-5-0 1 1 K100 DFHE031YA GASKET-65TSV4-3-50 1 1 K101 DFHG1962ZA POWER SPRING SHEET	K82	DFQT9A29ZA	WINDOWS VISTA	1
K85 ⚠ DFGT1094VA RATED LABEL K86 DFH004H004/VB HEXAGGN SPACER H=4,2MM K87 DFHR3785ZA MODEM CABLE SHEET NRP K88 DFMC039/VA-1 SIM LOCK PLATE K90 DFHR3398ZA BUSTERAID MODEM NRP K91 DFHR3318ZA BIS HEAD SHEET NRP K91 DFHR3318ZA BIS HEAD SHEET NRP K92 DFHR3318ZA BIS HEAD SHEET NRP K93 DFHR3318ZA BIS HEAD SHEET NRP K94 DFHM0412ZA RF-BT PLATE NRP K95 DFHR3154ZA LCD CABLE TAPE NRP K96 DFHR5484ZA CLAMP NRP K98 DFHE0311YA GASKET-65TSV14-3-50 1 K100 DFHB1031ZA GASKET-65TSV13-15-20 1 K101 DFH9726CZA POWER SPRING SHEET NRP K102 DFHP725GZB RF LED PWB TAPE NRP K103 DFHP725GZB RF LED PWB TAPE NRP K104 <td>K83</td> <td>DFQT9981ZA</td> <td>CENTRINO DUO LABEL</td> <td>1</td>	K83	DFQT9981ZA	CENTRINO DUO LABEL	1
K85 ⚠ DFGT1094VA RATED LABEL K86 DFH004H004/VB HEXAGGN SPACER H=4,2MM K87 DFHR3785ZA MODEM CABLE SHEET NRP K88 DFMC039/VA-1 SIM LOCK PLATE K90 DFHR3398ZA BUSTERAID MODEM NRP K91 DFHR3318ZA BIS HEAD SHEET NRP K91 DFHR3318ZA BIS HEAD SHEET NRP K92 DFHR3318ZA BIS HEAD SHEET NRP K93 DFHR3318ZA BIS HEAD SHEET NRP K94 DFHM0412ZA RF-BT PLATE NRP K95 DFHR3154ZA LCD CABLE TAPE NRP K96 DFHR5484ZA CLAMP NRP K98 DFHE0311YA GASKET-65TSV14-3-50 1 K100 DFHB1031ZA GASKET-65TSV13-15-20 1 K101 DFH9726CZA POWER SPRING SHEET NRP K102 DFHP725GZB RF LED PWB TAPE NRP K103 DFHP725GZB RF LED PWB TAPE NRP K104 <td>K84</td> <td>DFQT0055YA</td> <td>COA SERIAL LAMINATE NR</td> <td>P 1</td>	K84	DFQT0055YA	COA SERIAL LAMINATE NR	P 1
K86 DFHD04H004YB HEXAGON SPACER H=4.2MM 2 K87 DFHR3785ZA MODEM CABLE SHEET NRP K88 DFMC0881ZA BUSTERAID MODEM NRP K90 DFHM0309YA-1 SIM LOCK PLATE NRP K91 DFHR3G18ZA BIS HEAD SHEET NRP K92 DFHR3G18ZA BIS HEAD SHEET NRP K94 DFHM322Z4ZA WLAN SHEET NRP K94 DFHM312ZA LCD CABLE TAPE NRP K95 DFHR3154ZA LCD CABLE TAPE NRP K98 DFHE03SWA GASKET-65TSV10-4-15 1 K98 DFHE03BVA GASKET-65TSV13-15-20 1 K100 DFHE1031ZA GASKET-65TSV13-15-20 1 K101 DFHG198CZA POWER SPRING SHEET NRP K102 DFHP720CA AHDESIVE TAPE NRP K103 DFH7257ZB LED PWB TAPE NRP K104 DFH73438ZA CLICK BUTTON SHEET NRP K108 DFHR3438ZA CLICK BUTT	K85 🔨	DFGT1094YA	RATED LABEL	1
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K88 DFMC0881ZA BUSTERAID MODEM NRP 2 K90 DFHM30309ZA-1 SIM LOCK PLATE 1 K91 DFHR3C18ZA BIS HEAD SHEET NRP 1 K92 DFHR3C24ZA BIS HEAD SHEET NRP 1 K93 DFMY3224ZA WLAN SHEET NRP 1 K94 DFHM012ZA RF-BT PLATE NRP 1 K94 DFHM012ZA RF-BT PLATE NRP 1 K95 DFHR3154ZA LOD CABLE TAPE NRP 1 K96 DFHR0326XA GASKET-65TSV10-4-15 1 1 K98 DFHE0311YA GASKET-65TSV10-4-15 1 1 K100 DFHE1031ZA GASKET-65TSV13-15-20 1 1 K101 DFHG1962ZA POWER SPRING SHEET NRP 1 K101 DFHG1962ZA POWER SPRING SHEET NRP 1 K102 DFHP7250ZB LED PWB TAPE NRP 1 K103 DFHR73438SA CLICK BUTTON SHEET <td></td> <td></td> <td></td> <td></td>				
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K98 DFHE0326XA GASKET-65TSV10-4-15 K99 DFHE0811YA GASKET-65TSV4-3-50 K100 DFHE1031ZA GASKET-65TSV4-3-50 K101 DFHG1962ZA POWER SPRING SHEET NRP K101 DFHG1962ZA POWER SPRING SHEET NRP K102 DFHP7256ZB RF LED PWB TAPE NRP K103 DFHP7256ZB RF LED PWB TAPE NRP K104 DFHP7257ZB LED PWB TAPE NRP K107 DFHR3438ZA CLICK BUTTON SHEET NRP K108 DFHR3483SA OPERATION SHEET NRP K109 DFHR3380ZA KB WP SHEET NRP K110 DFHR3642YA LCD CUSHION SHEET NRP K111 DFHR3643ZA TP BOTTOM TAPE NRP K112 DFHR3655YA HDD CASE SPACER 2 K113 DFHR3D90ZA KB CNT HOLE CUSHION NRP 1 K114 DFHR3D932B TP WP SHEET NRP 1 K116 DFHR3D932CA LED PWB TAPE	K95	DFHR3154ZA	LCD CABLE TAPE NR	P 1
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NRP				
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K110 DFHR3642YA LCD CUSHION SHEET NRP 2 K111 DFHR3643ZA TP BOTTOM TAPE NRP 1 K112 DFHR3655YA HDD CASE SPACER 2 K113 DFHR3D90ZA KB CNT HOLE CUSHION NRP 1 K114 DFHR3D93ZB TP WP SHEET NRP 1 K115 DFHR3D97ZA LED PWB TAPE NRP 1 K116 DFHR3D97ZA LED PWB TAPE NRP 1 K116 DFHR3E02ZA PALM REST WP SHEET R NRP 1 K117 DFHR3E02ZA PALM REST WP SHEET R NRP 1 K118 DFHR3E19ZA LED SYAKOU SHEET NRP 1 K118 DFHR3E34ZA RF SYAKOU SHEET NRP 1 K120 DFHR3F55ZA OPERATION TAPE NRP 1 K121 DFHR3F65ZA PC SHEET NRP 2 K122 DFHR3F66ZB PET SHEET NRP 2 K124 DFHR6044XA CLICK BUTTON P		DFHR3483SA		1
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K114 DFHR3D93ZB TP WP SHEET NRP 1 K115 DFHR3D97ZA LED PWB TAPE NRP 1 K116 DFHR3E02ZA PALM REST WP SHEET R NRP 1 K117 DFHR3E19ZA LED SYAKOU SHEET NRP 1 K118 DFHR3E34ZA RF SYAKOU SHEET NRP 1 K120 DFHR3F55ZA OPERATION TAPE NRP 1 K121 DFHR3F65ZA PC SHEET NRP 2 K121 DFHR3F66ZB PET SHEET NRP 2 K122 DFHR3F66ZB PET SHEET NRP 2 K124 DFHR6044XA CLICK BUTTON PLATE 1 K126 DFMD2182ZA PLATE HEAT PIPE 1 K127 DFMD3125ZA BACK PLATE KENSINGTON 2 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1		.		
K115 DFHR3D97ZA LED PWB TAPE NRP 1 K116 DFHR3E02ZA PALM REST WP SHEET R NRP 1 K117 DFHR3E19ZA LED SYAKOU SHEET NRP 1 K118 DFHR3E34ZA RF SYAKOU SHEET NRP 1 K120 DFHR3F55ZA OPERATION TAPE NRP 1 K121 DFHR3F65ZA PC SHEET NRP 2 K122 DFHR3F66ZB PET SHEET NRP 2 K124 DFHR6044XA CLICK BUTTON PLATE 1 K126 DFMD2182ZA PLATE HEAT PIPE 1 K127 DFMD2182ZA PLATE HEAT PIPE 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137				
K116 DFHR3E02ZA PALM REST WP SHEET R NRP 1 K117 DFHR3E19ZA LED SYAKOU SHEET NRP 1 K118 DFHR3E34ZA RF SYAKOU SHEET NRP 1 K120 DFHR3F55ZA OPERATION TAPE NRP 1 K121 DFHR3F65ZA PC SHEET NRP 2 K122 DFHR3F66ZB PET SHEET NRP 2 K124 DFHR6044XA CLICK BUTTON PLATE 1 K126 DFMD2182ZA PLATE HEAT PIPE 1 K127 DFMD2182ZA PLATE HEAT PIPE 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1				
K117 DFHR3E19ZA LED SYAKOU SHEET NRP 1 K118 DFHR3E34ZA RF SYAKOU SHEET NRP 1 K120 DFHR3F55ZA OPERATION TAPE NRP 1 K121 DFHR3F65ZA PC SHEET NRP 2 K122 DFHR3F66ZB PET SHEET NRP 2 K124 DFHR6044XA CLICK BUTTON PLATE 1 K126 DFM02182ZA PLATE HEAT PIPE 1 K127 DFM03125ZA BACK PLATE KENSINGTON 2 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1				
K118 DFHR3E34ZA RF SYAKOU SHEET NRP 1 K120 DFHR3F55ZA OPERATION TAPE NRP 1 K121 DFHR3F65ZA PC SHEET NRP 2 K122 DFHR3F66ZB PET SHEET NRP 2 K124 DFHR6044XA CLICK BUTTON PLATE 1 K126 DFMD2182ZA PLATE HEAT PIPE 1 K127 DFMD3125ZA BACK PLATE KENSINGTON 2 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1		.		
K120 DFHR3F55ZA OPERATION TAPE NRP 1 K121 DFHR3F65ZA PC SHEET NRP 2 K122 DFHR3F66ZB PET SHEET NRP 2 K124 DFHR6044XA CLICK BUTTON PLATE 1 K126 DFMD2182ZA PLATE HEAT PIPE 1 K127 DFMD3125ZA BACK PLATE KENSINGTON 2 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1		.		
K121 DFHR3F65ZA PC SHEET NRP 2 K122 DFHR3F66ZB PET SHEET NRP 2 K124 DFHR6044XA CLICK BUTTON PLATE 1 K126 DFMD2182ZA PLATE HEAT PIPE 1 K127 DFMD3125ZA BACK PLATE KENSINGTON 2 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1				
K122 DFHR3F66ZB PET SHEET NRP 2 K124 DFHR6044XA CLICK BUTTON PLATE 1 K126 DFMD2182ZA PLATE HEAT PIPE 1 K127 DFMD3125ZA BACK PLATE KENSINGTON 2 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1		.		
K124 DFHR6044XA CLICK BUTTON PLATE 1 K126 DFMD2182ZA PLATE HEAT PIPE 1 K127 DFMD3125ZA BACK PLATE KENSINGTON 2 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1				
K126 DFMD2182ZA PLATE HEAT PIPE 1 K127 DFMD3125ZA BACK PLATE KENSINGTON 2 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1	K122	DFHR3F66ZB	PET SHEET NR	
K127 DFMD3125ZA BACK PLATE KENSINGTON 2 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1	K124	DFHR6044XA	CLICK BUTTON PLATE	1
K127 DFMD3125ZA BACK PLATE KENSINGTON 2 1 K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1	K126	DFMD2182ZA	PLATE HEAT PIPE	1
K129 DFMY0278YA THERMAL SHEET NRP 1 K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1	K127	DFMD3125ZA		1
K130 DFMY0473ZA CPU HEAT PIPU RUBBER NRP 2 K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1				-
K131 DFMY3208ZA WLAN SHEET NRP 1 K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1				
K132 DFMY5039ZA HEAT PIPE UNIT 1 K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1		.		
K133 DFUQ0111ZA POWER SW SPRING 1 K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1				1
K137 DFMY3234ZA THERMAL DIFFUSION SHEET NRP 1		.		
				1
K140 DFHR3488ZA ANTENNA SHEET NRP 1				
	K140	DFHR3488ZA	ANTENNA SHEET NR	P 1

K141	DFHG429YA	IO DC TUBE		1
K142	DFHR3G38ZA	DIMM CUSHION		3
K144	DFHP7270ZA	ADHESIVE TAPE	NRP	4
K157	DFMX1339ZA	BAT INSULATION SHEET	NRP	1
K158	DFHR3J82ZA	LCD CABLE PROTECTER		1
K159	DFHR6352ZA	CABLE GUIDE HINGE		1
K160	DFHR3F89ZA	MCH SHEET	NRP	1
K161	DFHR3H64ZA	COIN BAT SHEET	NRP	1
K162	DFHR6353ZA	LAN CONN HOLDER		1
K163	DFMC0901ZA	GASKET-65TSV13-1(T9)-1.9		1
K164	DFMY0472ZA	THERMAL RUBBER CPU		1
K165	DFMY0475ZA	ICH RUBBER		2
K166	DFHR3650ZA	WATERPROOF SHEET	NRP	1
K167	DFHR3H95ZA	LCD TS PWB SHEET	NRP	1
K1051	DFMY3264YA	DIMM THERMAL SHEET	NRP	1
K1603	DFHR6339ZA-0	DUMMY EXPRESS CARD		1
K1604	DFHR6340ZA-0	DUMMY PC CARD		1
K1610	DFHR3J11ZA	PCMCIA DUMMY CARD CUSHION		1
N1	DFHE5025XA	SCREW		33
N2	DFHE5058ZB	SCREW		4
N3	DFHE5108ZA	SCREW		4
N4	DRHM0112ZA	SCREW		2
N5	DRHM0115ZA	SCREW		2
N6	DRHM5025YA	SCREW		18
N7	DRQT26+E5FKL	SCREW		18
N8	DRSB2+10FKL	SCREW		2
N9	DRSB2+5FKL	SCREW		27
N10	DRHM0061ZA	SCREW		13
N11	DRYN3+J6FKL	SCREW		2
N14	DRQT3+E4FKL	SCREW		2
N15	DXYN2+J6FNL	SCREW		10
N16	DXYN3+J10FNL	SCREW		2
N17	DXYN3+J8FNL	SCREW		2
N18	DXYN4+J8FNL	SCREW		4
N19	XSB2+3FNL	SCREW		17

Replacement Parts List

Note: Important Safety Notice

Components identified by \bigwedge mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.

CF-19FHGAXxM

REF. NO and AREA	PART NO.	DESCRIPTION	Q'TY
MAIN PCB			
C 1, 135, 136, 137, 197,	F1J0J4750019	CAPACITOR, 6.3V, 4.7µF	11
198, 268, 279, 281, 328,			
376			
C 2, 3, 4, 5, 6, 9, 50, 51,	F1G1C104A042	CAPACITOR, 16V, 0.1µF	154
55, 56, 57, 61, 62, 63,			
64, 65, 66, 67, 68, 69,			
70, 71, 72, 73, 74, 75,			
76, 77, 152, 153, 154,			
155, 159, 161, 163, 165,			
168, 169, 170, 171, 174,			
176, 178, 180, 185, 187,			
190, 205, 206, 230, 231,			
232, 233, 234, 235, 237,			
238, 239, 240, 241, 242,			
243, 244, 245, 246, 272,			
282, 283, 289, 290, 300,			
301, 302, 309, 313, 314,			
316, 317, 318, 320, 323,			
327, 334, 346, 351, 356,			
375, 393, 394, 396, 397,			
398, 399, 400, 401, 403,			
404, 405, 406, 407, 408,			
409, 410, 411, 412, 413,			
415, 416, 417, 418, 419,			
420, 421, 424, 428, 429,			
432, 439, 450, 451, 453,			
454, 459, 460, 461, 462,			
463, 470, 471, 472, 488,			
490, 500, 501, 502, 503,			
507, 508, 510, 512, 513,			
514, 516, 520, 521, 522,			
523, 524, 601, 607, 642,			
C 10, 11, 12, 13, 14, 15,	F1J0J106A016	CAPACITOR, 6.3V, 10µF	81
16, 17, 18, 19, 20, 21,	1 1000 100/1010	OAI AOITON, 0.5V, TOPI	01
22, 23, 24, 25, 26, 27,			
28, 29, 30, 31, 32, 33,			
34, 35, 36, 37, 38, 39,			
40, 41, 45, 84, 85, 86,			
87, 88, 89, 90, 91, 92,			
93, 94, 95, 96, 158, 160,			
162, 164, 173, 175, 177,			
179, 186, 189, 249, 250,			
251, 252, 253, 254, 288,			
319, 344, 345, 347, 370,			
371, 372, 378, 379, 380,			
381, 437, 473, 511, 515,			
723. 742. 743			
C 42, 78, 79, 80, 81, 83,	EEFCX0D221R	CAPACITOR, 2V, 220µF	8
247, 248		, -, 	
C 46, 306, 307, 325, 422,	F1G1H102A496	CAPACITOR, 50V, 1000pF	28
431, 433, 489, 491, 492,		, , , ==1	
616, 628, 631, 635, 653,			
655, 657, 669, 686, 688,			
693, 706, 713, 754, 755,			
756, 757, 758			
C 58, 59, 138, 139, 140,	F1H0J1050022	CAPACITOR, 6.3V, 1µF	25
141, 142, 143, 144, 145,			
150, 157, 166, 181, 199,			
200, 201, 202, 203, 204,			
269, 270, 271, 388, 509	1		

C 97, 255, 256, 315, 321,	F1H1A1050015	CAPACITOR, 10V, 1µF	21
336, 337, 340, 341, 342,			
343, 386, 387, 389, 390,			
525, 603, 726, 740, 751,			
768	E40014744004	040401700 001/ 047 5	
C 98, 99, 100, 101, 102,	F1G0J474A001	CAPACITOR, 6.3V, 0.47µF	7
103, 104	E4 10 1000 A 0 E4	CARACITOR COV 2005	9
C 105, 106, 107, 108, 109,	F1J0J226A051	CAPACITOR, 6.3V, 22µF	9
110, 111, 112, 258 C 113, 114, 115, 191, 192,	F1G1E103A062	CAPACITOR, 25V, 0.01µF	34
193, 194, 259, 260, 261,	1 1012103A002	ολί Ασττοίλ, 23V, 0.01μι	34
262, 263, 276, 277, 278,			
293, 303, 304, 305, 308,			
312, 326, 332, 350, 373,			
374, 438, 485, 600, 615,			
626 636 640 720			
C 116, 117, 118, 119, 120,	F1G0J224A001	CAPACITOR, 6.3V, 0.22µF	8
121, 122, 123		·	
C 124	F1G1H330A542	CAPACITOR, 50V, 33pF	1
C 126, 127, 128, 129, 130,	F1G0J105A001	CAPACITOR, 6.3V, 1µF	12
131, 132, 133, 236, 265,			
266, 267			
C 195, 196	F1G1H150A542	CAPACITOR, 50V, 15pF	2
C 211, 222, 223, 224, 225,	F1G1A104A014	CAPACITOR, 10V, 0.1µF	14
226, 227, 228, 383, 384,		•	
385, 425, 426, 427			
C 257, 264	F1G1H3R0A543	CAPACITOR, 50V, 3pF	2
C 273	EEFCX0J121R	CAPACITOR	1
C 329, 330	F1G1H120A542	CAPACITOR, 50V, 12pF	2
C 331, 671	F1J1E334A081	CAPACITOR, 25V, 0.33µF	2
C 333	F1G1H271A495	CAPACITOR, 50V, 270pF	1
C 348, 349, 630, 651, 684,	F1G1H221A495	CAPACITOR, 50V, 220pF	8
695, 703, 709	F1G1H2Z1A493	CAPACITOR, 50V, 220pr	0
C 382, 643, 644, 645	F1G1C473A004	CAPACITOR, 16V, 0.047µF	4
C 391, 392	F1G1H4R0A543	CAPACITOR, 50V, 4pF	2
· · · · · · · · · · · · · · · · · · ·		•	
C 423	F1G1E472A062	CAPACITOR, 25V, 4700pF	1
C 435, 606, 627, 634, 658,	F1H1H104A748	CAPACITOR, 50V, 0.1µF	14
685, 692, 702, 705, 725,			
765, 767, 769, 770	E4 14 E4 0 E A 000	CARACITOR OF VALE	
C 455, 456, 457, 458, 604	F1J1E105A009	CAPACITOR, 25V, 1µF	5
C 484, 487	F1G1A683A014	CAPACITOR, 10V, 0.068µF	2
C 506, 624, 650, 687, 715,	F1G1H1010005	CAPACITOR, 50V, 100pF	6
749			
C 609, 610, 611, 612, 613,	F1H1H103A748	CAPACITOR, 50V, 0.01µF	6
614	FFFCV0 M04D	CARACITOR COV 1000F	2
C 620, 621	EEFCX0J101R	CAPACITOR, 6.3V, 100µF	
C 623, 638, 662, 663, 674,		•	2
	F1K1E1060001	CAPACITOR, 25V, 10µF	20
696, 701, 716, 746, 772,	F1K1E1060001	•	
696, 701, 716, 746, 772, 773, 775, 776, 777, 778,	F1K1E1060001	•	
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785		CAPACITOR, 25V, 10μF	20
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759	F1H1C224A074	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF	20
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710	F1H1C224A074 F1G1H220A542	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF	20 4 5
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711	F1H1C224A074 F1G1H220A542 F1J0J475A009	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF	20 4 5 5
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639	F1H1C224A074 F1G1H220A542	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF	20 4 5
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711	F1H1C224A074 F1G1H220A542 F1J0J475A009	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF	20 4 5 5
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF	20 4 5 5
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF CAPACITOR, 6.3V, 47µF	20 4 5 5 1
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF	20 4 5 5 1 1 2 1
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF	20 4 5 5 1 1 2 1 2
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP	20 4 5 5 1 1 2 1 2 4
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747 C 668, 761	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE F1G1H151A495	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP CAPACITOR, 50V, 150pF	20 4 5 5 1 1 2 1 2 4 2 4 2
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747 C 668, 761 C 670, 745	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE F1G1H151A495 F1G1H331A496	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP CAPACITOR, 50V, 150pF CAPACITOR, 50V, 330pF	20 4 5 5 1 1 2 1 2 4 2 2 2
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747 C 668, 761 C 670, 745 C 673, 752	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE F1G1H151A495	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP CAPACITOR, 50V, 150pF CAPACITOR, 50V, 330pF CAPACITOR, 50V, 0.018µF	20 4 5 5 1 1 2 1 2 4 2
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747 C 668, 761 C 670, 745 C 680, 697, 700, 724	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE F1G1H151A495 F1G1H331A496	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP CAPACITOR, 50V, 150pF CAPACITOR, 50V, 330pF	20 4 5 5 1 1 2 1 2 4 2 2 2
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747 C 668, 761 C 670, 745 C 673, 752	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE F1G1H151A495 F1G1H331A496 F1H1H1830001	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 2V, 150µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP CAPACITOR, 50V, 150pF CAPACITOR, 50V, 330pF CAPACITOR, 50V, 0.018µF	20 4 5 5 1 1 2 1 2 4 2 2 2 2
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747 C 668, 761 C 670, 745 C 680, 697, 700, 724	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE F1G1H151A495 F1G1H331A496 F1H1H1830001 EEFCD0D101ER	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 6.3V, 47µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP CAPACITOR, 50V, 150pF CAPACITOR, 50V, 330pF CAPACITOR, 50V, 0.018µF CAPACITOR, 2V, 100µF CAPACITOR, 50V, 4700pF	20 4 5 5 1 1 2 1 2 4 2 2 2 4 4 2 4 4 4 4 4 4 4 4
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747 C 668, 761 C 670, 745 C 680, 697, 700, 724 C 683, 714 C 689, 708	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE F1G1H151A495 F1G1H331A496 F1H1H1830001 EEFCD0D101ER F1G1H472A496 F1G1H471A496	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 6.3V, 47µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP CAPACITOR, 50V, 150pF CAPACITOR, 50V, 330pF CAPACITOR, 50V, 0.018µF CAPACITOR, 2V, 100µF CAPACITOR, 50V, 470pF CAPACITOR, 50V, 470pF	20 4 5 5 5 1 1 2 1 2 4 2 2 4 2 2 4 2 2 2
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747 C 668, 761 C 670, 745 C 673, 752 C 680, 697, 700, 724 C 683, 714 C 689, 708 C 694, 704	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE F1G1H151A495 F1G1H331A496 F1H1H1830001 EEFCD0D101ER F1G1H472A496 F1G1H471A496 F1G1H471A496 F1G1H182A496	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 6.3V, 47µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP CAPACITOR, 50V, 150pF CAPACITOR, 50V, 330pF CAPACITOR, 50V, 0.018µF CAPACITOR, 2V, 100µF CAPACITOR, 50V, 4700pF CAPACITOR, 50V, 470pF CAPACITOR, 50V, 470pF CAPACITOR, 50V, 1800pF	20 4 5 5 1 1 2 1 2 4 2 2 2 2 4 2 2 2 2 2
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747 C 668, 761 C 670, 745 C 673, 752 C 680, 697, 700, 724 C 683, 714 C 689, 708 C 694, 704 C 707	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE F1G1H151A495 F1G1H331A496 F1H1H1830001 EEFCD0D101ER F1G1H472A496 F1G1H471A496 F1G1H471A496 F1G1H182A496 F1G1H100A544	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP CAPACITOR, 50V, 150pF CAPACITOR, 50V, 150pF CAPACITOR, 50V, 0.018µF CAPACITOR, 50V, 0.018µF CAPACITOR, 50V, 4700pF CAPACITOR, 50V, 470pF CAPACITOR, 50V, 470pF CAPACITOR, 50V, 1800pF CAPACITOR, 50V, 1800pF CAPACITOR, 50V, 100pF	20 4 5 5 5 1 1 2 1 2 4 2 2 2 4 2 2 2 4 2 2 1 1
696, 701, 716, 746, 772, 773, 775, 776, 777, 778, 779, 782, 783, 784, 785 C 625, 682, 712, 759 C 629, 632, 637, 690, 710 C 633, 654, 660, 691, 711 C 639 C 647 C 652, 760 C 659 C 661, 744 C 664, 665, 672, 747 C 668, 761 C 670, 745 C 673, 752 C 680, 697, 700, 724 C 683, 714 C 689, 708 C 694, 704	F1H1C224A074 F1G1H220A542 F1J0J475A009 EEFCX0G151R EEFCD0J470ER F1G1H561A496 F1H1H222A748 F1G1H470A542 EEFSX0D471XE F1G1H151A495 F1G1H331A496 F1H1H1830001 EEFCD0D101ER F1G1H472A496 F1G1H471A496 F1G1H471A496 F1G1H182A496	CAPACITOR, 25V, 10µF CAPACITOR, 16V, 0.22µF CAPACITOR, 50V, 22pF CAPACITOR, 6.3V, 4.7µF CAPACITOR, 6.3V, 47µF CAPACITOR, 6.3V, 47µF CAPACITOR, 50V, 560pF CAPACITOR, 50V, 2200pF CAPACITOR, 50V, 47pF SPCAP CAPACITOR, 50V, 150pF CAPACITOR, 50V, 330pF CAPACITOR, 50V, 0.018µF CAPACITOR, 2V, 100µF CAPACITOR, 50V, 4700pF CAPACITOR, 50V, 470pF CAPACITOR, 50V, 470pF CAPACITOR, 50V, 1800pF	20 4 5 5 1 1 2 1 2 1 2 4 2 2 2 2 2 2 2 2 2 2 2 2

C 766		F1G1H152A496	CAPACITOR, 50V, 1500pF	T 1
CF 1, 2, 3		D4CC1103A038	THERMISTOR	3
CN 2		K1MYL0B00003	CONNECTOR	1
CN 4		K1NAF0D00003	CONNECTOR	1
CN 5		K1KY42B00001	CONNECTOR	1
CN 6		K1FY104BA024	CONNECTOR, USB	1
CN 8		K1KA20AA0261	CONNECTOR	1
CN 9, 21, 42		K1MY24BA0310	CONNECTOR	3
CN 9, 21, 42 CN 10		K1MYL0B00004		1
CN 10		K1MY52BA0190	CONNECTOR	
				1
CN 14		K1KA02B00292	CONNECTOR	1
CN 15		K1MY30AA0158	FPC CONNECTOR	1
CN 16		K1MN50AA0018	CONNECTOR	1
CN 17		K1KA20A00310	CONNECTOR	1
CN 18		K1MN26AA0074	CONNECTOR	1
CN 20		K1MY04AA0041	CONNECTOR	1
CN 22		K2HZ104B0014	CONNECTOR	1
CN 23		K1MY40A00001	CONNECTOR	1
CN 24		K1KY12A00005	CONNECTOR	1
CN 25		K1KYA0A00019	CONNECTOR	1
CN 27		K1MN40B00048	CONNECTOR	1
CN 33		K1KA02BA0014	CONNECTOR	1
D 2, 3, 8		MA2J72900L	DIODE	3
D 4		B0JDBE000002	DIODE	1
D 5, 600		B0JCPD000023	DIODE	2
D 6		B0KB00000044	DIODE	1
D 9, 10, 11		MA3J14700L	DIODE	3
D 601, 602, 603		B0ADDH000004	DIODE	3
D 604		MAZ81200ML	DIODE	1
D 605		MAZ81800ML	DIODE	1
D 606, 622		MA3S132E0L	DIODE	2
D 608		B0JCQD000001	DIODE	1
D 609, 626, 631		B0JCMD000010	DIODE	3
D 610, 627, 630		B0JDAE000004	DIODE	3
D 612, 613, 614, 615, 617,		MAZ80510ML	DIODE	7
618, 623		WAZOOSTOWL	DIODE	1 '
D 616		MAZ80620ML	DIODE	1
D 619, 621		MA2S11100L	DIODE	2
D 620		B2ABAM000002	DIODE	1
D 624		B0JCRC000002	DIODE	1
D 632, 635		B0JCMD000014	DIODE	2
F 1	Λ	K5H502Z00003	FUSE, 5A, 32V	1
F 2, 3, 4, 5, 8	\triangle	K5H202Z00005	FUSE, 2A, 32V	5
F 10	\triangle	K5H802300002	FUSE, 8A, 72V	1
F 600	<u> </u>	K5H103300003	FUSE, 10A, 72V	1
IC 1	<u> </u>	C2GBD0000037	CPU	1
IC 2	-	C1CB00002802	CHIPSET	1
IC 3		C0JBBZ000319	PLL	1
			CHIPSET ICH8M	
IC 4		C1CB00002741		1
IC 5		C1CB00002585	IC	1
IC 6		C1CB00002732	LAN CONTROLLER	1
IC 7		C3EBFY000002	SERIAL EEPROM	1
IC 8		C1DB00001159	IC, PERIPHERAL LSI	1
IC 9		C0CBCBC00137	IC, REGULATOR	1
IC 10		C1CB00002540	IC, TEMPERATURE CENSOR IC	1
IC 11		C0DBZYY00017	IC	1
IC 12, 19		C0DBZYY00026	IC, USB POWER SW	2
IC 14		C0DBZYY00265	POWER MANAGEMENT SWTICH	1
IC 15		C3EBDY000005	IC, EEPROM	1
IC 16		C0DBZYY00016	IC	1
IC 18, 32, 34, 35		C0JBAZ002422	IC, FET SWITCH	4
IC 20		C0ZBZ0000978	IC	1
IC 21, 22		C0JBAS000218	IC, LOGIC	2

IC 23, 24, 25, 71		C0EBE0000460	IC	4
IC 26		C0EBH0000457	IC	1
IC 27	 	C2CBJA000003	IC, MICON	1
IC 30	 	C3FBLY000048	FLASH MEMORY	1
IC 31		C1CB00002790	IC, SECURITY CHIP	1
IC 33, 51, 52		C0JBAA000345	IC, LOGIC	3
IC 41	 	C0JBAA000380	IC	1
IC 42		C1CB00002723	CARDBUS CONTOLLER	1
IC 46, 55, 56, 57, 59, 67,	 	C0JBAA000362	IC, LOGIC	7
IC 50	 	C0JBAZ002192	IC	1
IC 53		C0JBAC000363	GATE LOGIC	1
IC 54		C0JBAC000367	IC, LOGIC	1
IC 58		C0JBAE000321	IC, LOGIC	1
IC 60	 	C0DBAYY00282	DC/DC CONTROLLER FOR GMCH	1
IC 65		C0DBGYY00422	LINEAR REGULATOR	1
IC 66		C0DBGYY00423	LINEAR REGULATOR	1
IC 68		C0JBAR000500	IC, SWITCH	1
IC 70		C0DBEFE00003	IC	1
IC 600		C0ABZA000047	IC, AMP	1
IC 601		C0ABBA000093	IC, OP AMP	1
IC 602		C0DBAYY00194	IC, DC/DC	1
IC 603		C0JBAD000236	IC, LOGIC	1
IC 604		C0JBAB000621	IC, LOGIC	1
IC 605		C0DBEFH00002	IC, REGULATOR	1
IC 607		C0EBE0000333	IC	1
IC 608	 	C0DBDJH00009	IC, LINER	1
IC 610, 611, 612	 	C0DBALH00003	IC	3
L 4, 5, 6, 9, 10, 11, 12, 13,	 	J0JJC0000021	INDUCTOR	10
29, 53				
L 7, 17, 40, 41, 47, 48, 51, 52, 60, 61		J0MAB0000200	INDUCTOR	10
L 14		G1C91NM00001	INDUCTOR	1
L 15, 16		G1C1R0Z00002	INDUCTOR	2
L 20, 21, 22, 23, 24, 25		J0JDC0000044	CHIP BEADS	6
L 28		G1C100K00011	INDUCTOR	1
L 30, 31		G1C1R0MA0076	INDUCTOR	2
L 35, 36, 49		J0JHC0000074	INDUCTOR	3
L 42, 43, 44		J0JDC0000045	INDUCTOR	3
L 50		J0JDC0000105	CHIP BEADS	1
L 600		G1C4R7MA0240	CHOK COIL	
L 601, 604				1
1 600		G1C100Z00023	COIL	1 2
L 602		G1C100Z00023 G1CR60MA0299		
L 602 L 603			COIL	2
		G1CR60MA0299	COIL	2
L 603		G1CR60MA0299 G1C2R7Z00003	COIL COIL	2 1 1
L 603 L 605, 606		G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013	COIL COIL COIL INDUCTOR	2 1 1 2
L 603 L 605, 606 L 609	<u> </u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1CR82M00006	COIL COIL COIL INDUCTOR COIL	2 1 1 2 1
L 603 L 605, 606 L 609 L 610	<u> </u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1CR82M00006 G1A160HA0032	COIL COIL INDUCTOR COIL COIL	2 1 1 2 1 1
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655,	Δ	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015	COIL COIL INDUCTOR COIL COIL PROTECTOR 1.1A	2 1 1 2 1 1
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608,	<u> </u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023	COIL COIL INDUCTOR COIL COIL COIL PROTECTOR 1.1A TRANSISTOR	2 1 1 2 1 1 1 1 6
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655, 656	<u></u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023 B1GBCFJN0037	COIL COIL INDUCTOR COIL COIL PROTECTOR 1.1A TRANSISTOR TRANSISTOR	2 1 1 2 1 1 1 6 13
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655, 656 Q 4, 39, 620 Q 5, 8, 28 Q 9, 10, 11, 21, 26, 31, 33,	<u> </u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023 B1GBCFJN0037	COIL COIL INDUCTOR COIL COIL COIL PROTECTOR 1.1A TRANSISTOR TRANSISTOR TRANSISTOR	2 1 1 2 1 1 1 6 13
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655, 656 Q 4, 39, 620 Q 5, 8, 28	<u></u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023 B1GBCFJN0037 B1GDCFNN0031 B1MBDCA00004	COIL COIL INDUCTOR COIL COIL COIL PROTECTOR 1.1A TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2 1 1 2 1 1 1 6 13
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655, 656 Q 4, 39, 620 Q 5, 8, 28 Q 9, 10, 11, 21, 26, 31, 33, 630 Q 12, 14, 15, 17, 18, 19 Q 22, 24, 36, 37, 610, 621,	<u></u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023 B1GBCFJN0037 B1GDCFNN0031 B1MBDCA00004 B1DHDC000028	COIL COIL INDUCTOR COIL COIL COIL PROTECTOR 1.1A TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2 1 1 2 1 1 1 6 13
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655, 656 Q 4, 39, 620 Q 5, 8, 28 Q 9, 10, 11, 21, 26, 31, 33, 630 Q 12, 14, 15, 17, 18, 19 Q 22, 24, 36, 37, 610, 621, 631 Q 25, 32, 623, 624, 625,	<u></u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023 B1GBCFJN0037 B1GDCFNN0031 B1MBDCA00004 B1DHDC000028	COIL COIL INDUCTOR COIL COIL COIL PROTECTOR 1.1A TRANSISTOR	2 1 1 2 1 1 1 1 6 13
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655, 656 Q 4, 39, 620 Q 5, 8, 28 Q 9, 10, 11, 21, 26, 31, 33, 630 Q 12, 14, 15, 17, 18, 19 Q 22, 24, 36, 37, 610, 621, 631 Q 25, 32, 623, 624, 625, 626, 628, 629	<u></u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023 B1GBCFJN0037 B1GDCFNN0031 B1MBDCA00004 B1DHDC000028 B1MBBCA00003 B1GBCFNN0042 XP0421300L	COIL COIL COIL INDUCTOR COIL COIL COIL PROTECTOR 1.1A TRANSISTOR	2 1 1 2 1 1 1 6 13 3 3 8 6 7
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655, 656 Q 4, 39, 620 Q 5, 8, 28 Q 9, 10, 11, 21, 26, 31, 33, 630 Q 12, 14, 15, 17, 18, 19 Q 22, 24, 36, 37, 610, 621, 631 Q 25, 32, 623, 624, 625, 626, 628, 629 Q 27	<u></u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023 B1GBCFJN0037 B1GDCFNN0031 B1MBDCA00004 B1DHDC000028 B1MBBCA00003 B1GBCFNN0042 XP0421300L B1GFCFNN0019	COIL COIL COIL INDUCTOR COIL COIL COIL PROTECTOR 1.1A TRANSISTOR	2 1 1 2 1 1 1 1 6 13 3 3 8 6 7
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655, 656 Q 4, 39, 620 Q 5, 8, 28 Q 9, 10, 11, 21, 26, 31, 33, 630 Q 12, 14, 15, 17, 18, 19 Q 22, 24, 36, 37, 610, 621, 631 Q 25, 32, 623, 624, 625, 626, 628, 629 Q 27 Q 30, 603, 604, 606, 607	<u></u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023 B1GBCFJN0037 B1GDCFNN0031 B1MBDCA00004 B1DHDC000028 B1MBBCA00003 B1GBCFNN0042 XP0421300L B1GFCFNN0019 B1CHRD000001	COIL COIL COIL INDUCTOR COIL COIL COIL PROTECTOR 1.1A TRANSISTOR	2 1 1 2 1 1 1 1 6 13 3 3 8 6 7
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655, 656 Q 4, 39, 620 Q 5, 8, 28 Q 9, 10, 11, 21, 26, 31, 33, 630 Q 12, 14, 15, 17, 18, 19 Q 22, 24, 36, 37, 610, 621, 631 Q 25, 32, 623, 624, 625, 626, 628, 629 Q 27 Q 30, 603, 604, 606, 607 Q 34, 35	<u></u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023 B1GBCFJN0037 B1GDCFNN0031 B1MBDCA00004 B1DHDC000028 B1MBBCA00003 B1GBCFNN0042 XP0421300L B1GFCFNN0019 B1CHRD000001	COIL COIL COIL INDUCTOR COIL COIL PROTECTOR 1.1A TRANSISTOR	2 1 1 2 1 1 1 1 6 13 3 3 8 6 7
L 603 L 605, 606 L 609 L 610 PA 2 Q 1, 2, 646, 657, 659, 661 Q 3, 6, 13, 20, 29, 40, 608, 619, 641, 643, 649, 655, 656 Q 4, 39, 620 Q 5, 8, 28 Q 9, 10, 11, 21, 26, 31, 33, 630 Q 12, 14, 15, 17, 18, 19 Q 22, 24, 36, 37, 610, 621, 631 Q 25, 32, 623, 624, 625, 626, 628, 629 Q 27 Q 30, 603, 604, 606, 607	<u></u>	G1CR60MA0299 G1C2R7Z00003 G1C4R7Z00013 G1C4R7Z00013 G1CR82M00006 G1A160HA0032 D4FB1R100015 B1CFGD000023 B1GBCFJN0037 B1GDCFNN0031 B1MBDCA00004 B1DHDC000028 B1MBBCA00003 B1GBCFNN0042 XP0421300L B1GFCFNN0019 B1CHRD000001	COIL COIL COIL INDUCTOR COIL COIL COIL PROTECTOR 1.1A TRANSISTOR	2 1 1 2 1 1 1 1 6 13 3 3 8 6 7

Q 611, 639, 650	B1CFGD000003	TRANSISTOR	3
Q 613, 618, 633, 636, 638,	B1CFRD000014	FET	11
642, 647, 648, 652, 653,	D TOT RECOOL 14		
660			
Q 614, 640, 645	B1MBEDG00001	FET	3
Q 622, 627	B1CHRC000009	FET	2
Q 634, 635	B1CFRD000025	FET	2
Q 658	B1MBEDA00008	TRANSISTOR	1
R 3, 5, 20, 52, 53, 56, 192,	ERJ2GEJ102X	RESISTOR, 1/16W, 1KΩ	18
213, 214, 215, 216, 231,			
232, 274, 366, 434, 480,			
481			
R 7, 21, 22, 32, 41, 158,	ERJ2GE0R00X	RESISTOR, 1/16W, 0Ω	30
199, 210, 234, 239, 241,			
317, 331, 370, 396, 492, 499, 604, 625, 692, 693,			
707, 711, 715, 717, 720,			
732, 814, 840, 841			
R 8, 33, 73, 74, 75, 695,	ERJ2RKF1001X	RESISTOR, 1/16W, 1KΩ	9
703, 797, 798			
R 9, 10, 34, 35	ERJ2RKF54R9X	RESISTOR, 1/16W, 54.9Ω	4
R 11, 12, 37, 95, 96	ERJ2RKF1000X	RESISTOR, 1/16W, 100Ω	5
R 13, 39	ERJ2RKF2001X	RESISTOR, 1/16W, 2KΩ	2
R 14	D1H85104A024	RESISTOR ARRAY	1
R 15, 16	ERJ2RKF27R4X	RESISTOR, 1/16W, 27.4Ω	2
R 24, 609, 612, 613, 824	ERJ2GEJ562X	RESISTOR, 1/16W, 5.6KΩ	5
R 25, 26	ERJ2GEJ560X	RESISTOR, 1/16W, 56Ω	2
R 27, 157, 324, 638, 639,	ERJ2GEJ100X	RESISTOR, 1/16W, 10Ω	15
651, 652, 734, 735, 745,			
746, 762, 763, 774, 775	ED 16 - 17 - 1 - 1 - 1	 	
R 28	ERJ2RKF56R0X	RESISTOR, 1/16W, 56Ω	1
R 29	ERJ2RKF68R0X	RESISTOR, 1/16W, 68Ω	1
R 30	ERJ2GEJ240X	RESISTOR, 1/16W, 24Ω	1
R 36, 72, 180, 225	ERJ2RKF24R9X	RESISTOR, 1/16W, 24.9Ω	4
R 38	ERJ2RKF2210X	RESISTOR, 1/16W, 221Ω	1
R 40, 154, 155, 156, 486,	D1H81034A024	RESISTOR ARRAY	7
504, 505	ED IOOE IOOOY	DESISTOR 4/40W 20VO	
R 61, 226	ERJ2GEJ203X	RESISTOR, 1/16W, 20KΩ	2
R 65, 66, 450, 451	ERJ2GEJ222X	RESISTOR, 1/16W, 2.2KΩ	4
R 67, 68, 177, 369, 520,	ERJ2GEJ330X	RESISTOR, 1/16W, 33Ω	7
523, 530 R 69	ERJ2RHD3001X	RESISTOR, 1/16W, 3KΩ	1
R 70, 71	ERJ2RHD3001X ERJ2RKF20R0X	RESISTOR, 1/16W, 3KΩ	2
R 76, 77, 325, 497	ERJ2RKF20R0X ERJ2RKF1002X	RESISTOR, 1/16W, 20Ω	4
R 78			1
	ERJ2RKF1301X	RESISTOR, 1/16W, 1.3KΩ	
R 82	ERJ2RKF2371X	RESISTOR, 1/16W, 2370Ω	1
R 83	ERJ2RKF3920X	RESISTOR, 1/16W, 392Ω	1
R 90, 91, 150, 153, 174,	ERJ2GEJ103X	RESISTOR, 1/16W, 10KΩ	51
175, 204, 220, 261, 280, 289, 290, 291, 297, 298,			
289, 290, 291, 297, 298, 302, 316, 319, 322, 323,			
335, 336, 365, 367, 388,			
389, 452, 453, 454, 473,			
474, 489, 498, 507, 521,			
525, 527, 529, 531, 533,			
615, 641, 646, 713, 733,			
737, 741, 765, 771, 805,			
820			
R 92, 93, 94, 337, 721,	ERJ3GEY0R00V	RESISTOR, 1/16W, 0Ω	8
722, 789, 791	ED 100E 1450V	DECICTOR AMON 10	
R 97, 98, 99, 247, 248, 249	ERJ2GEJ1R0X	RESISTOR, 1/16W, 1Ω	6
R 100, 101, 103, 130, 131,	D1HA56080001	RESISTOR ARRAY	6
133 R 102, 132, 333	D1H85604A024	RESISTOR ARRAY	3
R 135	ERJ6GEYJ101V	RESISTOR ARRA1 RESISTOR, 1/10W, 100Ω	1
R 159, 160, 242, 243	D1H83304A024	RESISTOR, 1/10W, 10002	4
R 159, 160, 242, 243			1
	ERJ2RKF22R6X	RESISTOR, 1/16W, 22.6Ω	
R 172, 173	ERJ2RKF3241X	RESISTOR, 1/16W, 3240Ω	2

R 178, 286, 704	ERJ2GEJ471X	RESISTOR, 1/16W, 470Ω	3
R 181	D1HA1048A001	RESISTOR ARRAY	1
R 182	D1H81504A024	RESISTOR ARRAY	1
R 205, 206, 211	D1H84724A024	RESISTOR ARRAY	3
R 207	D1H81044A024	RESISTOR, 1/16W, 100KΩ	1
R 208, 209	ERJ2RKF4530X	RESISTOR, 1/16W, 453Ω	2
R 221, 364	ERJ2GEJ334X	RESISTOR, 1/16W, 330KΩ	2
R 227, 311, 391, 392, 423,	ERJ2GEJ101X	RESISTOR, 1/16W, 100Ω	23
470, 472, 493, 494, 495,			
602, 603, 668, 669, 670,			
673, 674, 675, 676, 683,			
694, 802, 803 R 228, 229	ERJ2RKF3323X	RESISTOR, 1/16W, 332KΩ	2
R 230	ERJ2GEJ106X	RESISTOR, 1/16W, 10MΩ	1
R 244, 245, 246, 253, 293,	D1HA1038A001	RESISTOR ARRAY	16
475, 476, 477, 478, 479,	2		
482, 483, 500, 501, 502,			
503			_
R 250, 395, 618, 662, 671	ERJ2GEJ105X	RESISTOR, 1/16W, 1MΩ	5
R 251	ERJ2GEJ121X	RESISTOR, 1/16W, 120Ω	1
R 252, 401, 402, 403, 832	ERJ2GEJ472X	RESISTOR, 1/16W, 4.7KΩ	5
R 263, 265, 266, 267, 268, 269, 272, 273, 300, 301,	ERJ2GEJ104X	RESISTOR, 1/16W, 100KΩ	30
304, 305, 314, 320, 329,			
363, 393, 394, 430, 431,			
432, 433, 617, 619, 620,			
621, 661, 665, 667, 672			
R 279, 292	D1H81024A024	RESISTOR ARRAY	2
R 281, 282, 283, 284, 285,	ERJ2GEJ221X	RESISTOR, 1/16W, 220Ω	11
287, 288, 294, 295, 296,	LNOZOLOZZIX	17 10 10 10 17 17 10 10 17 12 12 12 12 12 12 12 12 12 12 12 12 12	
780			
R 332	ERJ2GEJ331X	RESISTOR, 1/16W, 330Ω	1
R 334	ERJ2GEJ512X	RESISTOR, 1/16W, 5.1KΩ	1
R 380, 381, 382, 383, 384,	ERJ2RKF49R9X	RESISTOR, 1/16W, 49.9Ω	8
385, 386, 387	ED IODHDOOOV	DECISTOR 4/46W 20VO	1
R 400 R 404	ERJ2RHD303X	RESISTOR, 1/16W, 30KΩ	1
R 404 R 405, 406, 605, 608	ERJ2RKF4871X ERJ2RHD103X	RESISTOR, 1/16W, 4.87KΩ RESISTOR, 1/16W, 10KΩ	1
R 420, 421, 422, 677, 742,	ERJ2GEJ223X	RESISTOR, 1/16W, 10KΩ	10
770, 793, 794, 795, 796	ERJZGEJZZSA	RESISTOR, 1/10W, 22KΩ	10
R 490, 496, 506	ERJ2RKF3901X	RESISTOR, 1/16W, 3.9KΩ	3
R 491	ERJ2RKF5602X	RESISTOR, 1/16W, 56KΩ	1
R 601	D1ZZ00000046	RESISTOR, 1W, 5mΩ	1
R 606, 611, 706	ERJ2RKF1003X	RESISTOR, 1/16W, 100KΩ	3
R 607, 610, 809	ERJ2RKF1503X	RESISTOR, 1/16W, 150KΩ	3
R 614	ERJ3GEYJ3R3V	RESISTOR, 1/16W, 3.3Ω	1
R 616, 636, 681	ERJ2GEJ473X	RESISTOR, 1/16W, 47KΩ	3
R 622, 623	D1BDR1000002	RESISTOR, 1/8W, 0.1Ω	2
R 624	D1BDR068A100	RESISTOR, 0.068Ω	1
R 626	ERJ3GEYJ562V	RESISTOR, 1/16W, 5.6KΩ	1
R 630	ERJ2RKF1102X	RESISTOR, 1/16W, 11KΩ	1
R 631	ERJ2RKF1302X	RESISTOR, 1/16W, 13KΩ	1
R 634, 654, 761, 778	D1BDR022A099	RESISTOR, 1/3W, 0.022Ω	4
R 635, 731, 839	D1BDR018A099	RESISTOR, 1/3W, 0.018Ω	3
R 637, 663, 747, 752, 776,	ERJ2GEJ474X	RESISTOR, 1/16W, 470KΩ	6
822	ED 1005 11 501	DECIOTOR 4/40W 45/40	
R 640, 736, 764	ERJ2GEJ153X	RESISTOR, 1/16W, 15KΩ	3
R 642, 738, 766, 799, 800	ERJ3GEYJ100V	RESISTOR, 1/16W, 10Ω	5
R 643	ERA3YEB622V	RESISTOR, 1/16W, 6.2KΩ	1
R 644, 829, 830	ERA3YKB104V	RESISTOR, 1/16W, 100KΩ	3
R 645, 768, 842	ERA3YEB203V	RESISTOR, 1/16W, 20ΚΩ	3
R 647	ERJ2GEJ333X	RESISTOR, 1/16W, 33KΩ	1
R 648	ERJ3RBD303V	RESISTOR, 1/16W, 30KΩ	1
R 649	ERJ3RBD103V	RESISTOR, 1/16W, 10KΩ	1
R 650	ERJ3RBD132V	RESISTOR, 1/16W, 1.3KΩ	1

R 653, 749, 760, 777, 779, 833	D1BDR033A099	RESISTOR, 1/3W, 0.033Ω	6
R 664	ERJ2GEJ684X	RESISTOR, 1/16W, 680KΩ	1
R 666	ERJ2GEJ225X	RESISTOR, 1/16W, 2.2MΩ	1
R 678, 682	ERJ6GEYJ122V	RESISTOR, 1/10W, 1.2KΩ	2
R 679, 680	ERJ6GEYJ222V	RESISTOR, 1/10W, 2.2KΩ	2
R 690	ERJ2GEJ393X	RESISTOR, 1/16W, 39KΩ	1
R 696	ERJ2RKF1800X	RESISTOR, 1/16W, 180Ω	1
R 699	ERJ2RKF4702X	RESISTOR, 1/16W, 47KΩ	1
R 700, 801	ERJ2RKF6801X	RESISTOR, 1/16W, 6.80KΩ	2
R 701	ERJ2RKF5103X	RESISTOR, 1/16W, 510KΩ	1
R 702, 708, 714	ERJ3GEYJ1R0V	RESISTOR, $1/16W$, 1Ω	3
R 709	ERJ2RHD222X	RESISTOR, 1/16W, 2.2KΩ	1
R 710	ERJ2RKF5101X	RESISTOR, 1/16W, 5.1KΩ	1
R 712	ERJ2RKF3601X	RESISTOR, 1/16W, 3.6KΩ	1
R 716, 810	ERJ3GEYJ101V	RESISTOR, 1/16W, 100Ω	2
R 718, 790	ERJ3GEYJ2R2V	RESISTOR, 1/16W, 2.2Ω	2
R 719, 808	D1ZZ00000093	RESISTOR, 1W, 1mΩ	2
R 739	ERJ2RKF4701X	RESISTOR, 1/16W, 4.7KΩ	1
R 740, 744, 772	ERJ2RKF1502X	RESISTOR, 1/16W, 4.7/Ω2	3
R 743	ERJ2RKF7501X	RESISTOR, 1/16W, 7.5KΩ	1
R 748	ERJ2RKF1101X	RESISOTR, 1/16W, 1.1KΩ	1
R 751	D1BDR016A099	RESISTOR, 1/10W, 1.11Ω2	1
R 767	ERA3YEB621V	RESISTOR, 1/3W, 6.016Ω RESISTOR, 1/16W, 620Ω	1
R 769, 835	ERA3YEB243V	RESISTOR, 1/16W, 620Ω RESISTOR, 1/16W, 24KΩ	2
		·	
R 773	ERJ2RKF1202X	RESISTOR, 1/16W, 12KΩ	1
R 792, 813	ERJ2RKF6981X	RESISTOR, 1/16W, 6.98KΩ	2
R 806	ERJ2RKF4022X	RESISTOR, 1/16W, 40.2KΩ	1
R 807	D1H8R0040009	JUMPER	1
R 811	ERJ2RKF1691X	RESISTOR, 1/16W, 1.69ΚΩ	1
R 812	ERJ2GEJ303X	RESISTOR, 1/16W, 30KΩ	1
R 815	ERJ3GEYJ104V	RESISTOR, 1/16W, 100KΩ	1
R 817	ERJ2RKF1433X	RESISTOR, 1/16W, 143KΩ	1
R 821	ERJ2RKD114X	RESISTOR, 1/16W, 110KΩ	1
R 823	ERJ2RHD3652X	RESISTOR, 1/16W, 36.5KΩ	1
R 825	ERJ2GEJ154X	RESISTOR, 1/16W, 150KΩ	1
R 826, 827	ERJ2RHD302X	RESISTOR, 1/16W, 3KΩ	2
R 831, 836, 843	ERA3YEB333V	RESISTOR, 1/16W, 33KΩ	3
SW 2	K0D112B00071	SW	1
X 1	H0J143500058	OSCILLATOR, 14.318MHz	1
X 2	H0J327200115	OSCILLATOR, 32.768KHz	1
X 3	H0J245500083	XTAL	1
X 4	H0J250500076	XTAL	1
X 5	H2D800400015	OSCILLATOR, 8MHz	1
ZA 1, 2, 5, 6, 7, 10, 11	K1YGZZ000060	SPACER	7
AUDIO PCB	I=	Ta	1 -
C 900, 906, 916, 917, 934,	F1G1A104A014	CAPACITOR, 10V, 0.1μF	6
935 C 901, 903, 943, 948	F1H1A225A039	CAPACITOR, 10V, 2.2µF	4
C 902, 907, 908, 912, 915,	F1G0J224A001	CAPACITOR, 6.3V, 0.22µF	9
918, 919, 932, 944	1 1 3 3 3 2 2 - 7 1 0 0 1	σ / σ σ σ.	
C 909	F1G1E103A062	CAPACITOR, 25V, 0.01µF	1
C 910, 928, 929, 930, 931	F1H1A1050015	CAPACITOR, 10V, 1µF	5
C 911, 922, 937, 938, 951	F1J0J106A016	CAPACITOR, 6.3V, 10µF	5
C 913	F1G1H221A495	CAPACITOR, 50V, 220pF	1
C 914, 920, 921, 952	F1G1C104A042	CAPACITOR, 16V, 0.1µF	4
C 923, 924	F1H0J1050022	CAPACITOR, 6.3V, 1µF	2
C 925, 939, 940	F1G1H102A496	CAPACITOR, 50V, 1000pF	3
C 926, 927	F1H1A474A028	CAPACITOR, 10V, 0.47µF	2
C 933, 941, 946	F1G1H1010005	CAPACITOR, 50V, 100pF	3
C 936	F1G0J105A001	CAPACITOR, 6.3V, 1µF	1
C 942, 945	F1G1H471A496	CAPACITOR, 50V, 470pF	2
C 949, 950, 953, 954	F1L0J107A016	CAPACITOR, 6.3V, 100µF	4
CN 901	K1MN40B00048	CONNECTOR	1
<u> </u>		•	

CN 902		K1MY12BA0309	CONNECTOR	1
CN 904		K1KA02BA0014	CONNECTOR	1
D 902		B0JDBE000002	DIODE	1
F 902	Λ	K5H202Z00005	FUSE, 2A, 32V	1
IC 900		C1CB00002733	AUDIO CODEC	1
IC 901		C0CBCBC00130	IC, REGURATOR	1
IC 902		C0JBAE000306	IC,	1
IC 903		C0JBAS000251	IC	1
IC 904		C0ABBA000093	IC, OP AMP	1
IC 905		AN12945A-VB	IC, AUDIO AMP	1
JK 901, 902		K2HC103B0197	JACK	2
JK 903		K1QZA1AE0001	CONNECTOR	
L 900, 901, 904, 905, 907		J0JCC0000286	INDUCTOR	5
L 902, 903		J0MAB0000174	INDUCTOR	2
L 906		J0JJC0000015	INDUCTOR	1
Q 900, 905, 908		B1GBCFNN0042	TRANSISTOR	3
Q 902		XP0421300L	TRANSISTOR	1
Q 903, 904	-	B1CFGD000023	TRANSISTOR	2
Q 907		B1GDCFNN0031	TRANSISTOR	1
R 900, 904, 907, 909, 913,		ERJ2GEJ103X	RESISTOR, 1/16W, 10KΩ	13
920, 921, 928, 932, 940, 942, 947, 951		LNJZGLJ103A	INCOISTON, 1/10W, 10N2	13
R 901, 922		ERJ2RKF2671X	RESISTOR, 1/16W, 2.67KΩ	2
R 902		ERJ2GEJ330X	RESISTOR, 1/16W, 33Ω	1
R 905, 910, 936		ERJ2GEJ472X	RESISTOR, 1/16W, 4.7KΩ	3
R 906, 911		ERJ2GEJ390X	RESISTOR, 1/16W, 39Ω	2
R 912		ERJ2GEJ473X	RESISTOR, 1/16W, 47KΩ	1
R 915, 916		ERJ2RKF1003X	RESISTOR, 1/16W, 100KΩ	2
R 917		ERJ2GE0R00X	RESISTOR, $1/16W$, 0Ω	1
R 918, 919, 930, 937, 939, 943, 944		ERJ2GEJ104X	RESISTOR, 1/16W, 100KΩ	7
R 923		ERJ2GEJ100X	RESISTOR, 1/16W, 10Ω	1
R 926		ERJ2RHD3922X	RESISTOR, 1/16W, 39.2KΩ	1
R 927		ERJ2RHD203X	RESISTOR, 1/16W, 20KΩ	1
R 929		ERJ2RKF1602X	RESISTOR, 1/16W, 16KΩ	1
R 931, 933		ERJ2RKF1002X	RESISTOR, 1/16W, 10KΩ	2
R 934, 938, 946, 948		ERJ2GEJ102X	RESISTOR, 1/16W, 1KΩ	4
R 935		ERJ2GEJ471X	RESISTOR, 1/16W, 470Ω	1
R 941, 945		ERJ2GEJ222X	RESISTOR, 1/16W, 2.2KΩ	2
R 950		ERJ3GEY0R00V	RESISTOR, 1/16W, 0Ω	1
IO PCB				
C 880		F1H1H104A748	CAPACITOR, 50V, 0.1µF	1 1
C 883		F1L1E106A017	CAPACITOR, 25V, 10µF	1
C 884, 885, 886, 887, 888,		F1G1H330A542	CAPACITOR, 50V, 33pF	7
889, 890	L			<u> </u>
C 891		F1G1C104A042	CAPACITOR, 16V, 0.1µF	1
C 892, 893		EZASCE101M	CAPACITOR ARRAY	2
CN 880		K1MY24AA0158	CONNECTOR	1
CN 881		K1FA209BA004	CONNECTOR	1
CN 882		K1FB115BA014	CONNECTOR	1
CN 883	Λ	DFJS1063ZA	I/O DC CABLE	1
D 880		B0JCPD000023	DIODE	1
D 881		MA2J72900L	DIODE	1
F 800	Δ	K5H802300002	FUSE, 8A, 72V	1
JK 880	Δ	K2EEYB000001	JACK	1
L 880		J0JKC0000007	INDUCTOR	1
L 881, 882, 883, 884, 885, 886, 887		J0JDC0000038	CHIP BEADS	7
PA 880	Δ	D4FB1R100015	PROTECTOR 1.1A	1
R 881		D1BDR4700001	RESISTOR, 1/8W, 0.47Ω	1
R 882, 883, 884		ERJ2RKF75R0X	RESISTOR, 1/16W, 75Ω	3
R 885, 886		ERJ2GEJ222X	RESISTOR, 1/16W, 2.2KΩ	2
PAD PCB				-
C 800, 801		F1G1H681A496	CAPACITOR, 50V, 680pF	2

C 802	F1G1F	103A062	CAPACITOR, 25V, 0.01µF	1
C 803, 804, 806		C104A042	CAPACITOR, 16V, 0.1µF	3
C 805		106A016	CAPACITOR, 6.3V, 10µF	1
CN 800	K1MY	04BA0104	CONNECTOR	1
CN 801	K1MY	06BA0309	CONNECTOR	1
CN 802	K1MY	40A00001	CONNECTOR	1
CN 803	K1MY	08AA0158	CONNECTOR	1
CN 804, 807	K1KA0	2BA0014	CONNECTOR	2
CN 805	K1MY	10AA0158	CONNECTOR	1
CN 806	K1MY	10BA0309	CONNECTOR	1
F 800	<u></u> ★ K5H20	2Z00005	FUSE, 2A, 32V	1
IC 800	C0EBI	0000460	IC	1
IC 801		00001417	IC, FLAT PAD CONTROLLER	1
Q 800, 801		CFJN0004	TRANSISTOR	2
R 800		SEJ273X	RESISTOR, 1/16W, 27KΩ	1
R 801, 802		SEJ822X	RESISTOR, 1/16W, 8.2KΩ	2
R 803		EJ105X	RESISTOR, 1/16W, 1MΩ	1
R 804, 805		SEJ222X	RESISTOR, 1/16W, 2.2KΩ	2
RA 800		034A024	RESISTOR ARRAY	1
SW 800, 801		0000618	SW	2
SW 802, 803		LDA15	SWITCH	2
X 800	H2D40	00400012	OSCILLATOR, 4MHz	1
SW PCB	IZANAY.	10110150	TOONINGTOR	
CN 950		10AA0158	CONNECTOR	1
LD 951 SW 950, 951, 952, 953, 954,		B0000210 LDA15	DIODE SWITCH	1 6
955	EVQP	LDATS	SWITCH	О
LED-LEFT PCB				
CN 841	K1MY	10AA0158	CONNECTOR	1
LD 841, 842, 843, 844, 845,	B3ABE	30000210	DIODE	6
846				
PR PCB	T4 14 A	4050004	TOADAOITOD 40V 40F	0
C 851, 852, 854		1050021	CAPACITOR, 10V, 1µF	3
C 855, 856, 857 CA 851, 852, 854, 857, 858,		30000146 3C000004	INDUCTOR CAPACITOR ARRAY	3 6
859	JUHAL	SC00004	CAPACITOR ARRAY	O
CN 850	K1KY/	A0A00018	CONNECTOR	1
CN 851	K1KA/	\0AA0244	CONNECTOR	1
L 850	JOMAE	30000200	INDUCTOR	1
L 852, 853	J0JJC	0000015	INDUCTOR	2
LED-RIGHT PCB				
LD 781	B3AGI	30000040	DIODE	1
LD 782	B3ADE	30000065	DIODE	1
LD 783	B3ABE	30000210	DIODE	1
CN 780	K1MY	06AA0158	CONNECTOR	1
SD PCB			Incom.	
LD 880		30000020	DIODE	1
C 880		1330A542	CAPACITOR, 50V, 33pF	1
C 881, 882, 884, 885, 886, 887	F1G10	C104A042	CAPACITOR, 16V, 0.1μF	6
C 889, 890, 891, 892	F1H2A	103A020	CAPACITOR, 100V, 0.01µF	4
C 893		102A003	CAPACITOR, 2000V, 1000pF	1
CN 880		24BA0310	CONNECTOR	1
CN 881	K1NA(9E00076	CONNECTOR	1
CN 882		08BA0014	CONNECTOR	1
R 880	D1H87	′504A024	RESISTOR ARRAY	1
R 882	ERJ20	EJ103X	RESISTOR, 1/16W, 10KΩ	1
T 880, 881	G5BY0	C0000015	TRANCE	2
HSDPA PCB				
C 600, 603		11010005	CAPACITOR, 50V, 100pF	2
C 601, 602, 604, 608	F1J0J	106A016	CAPACITOR, 6.3V, 10µF	2 4
C 601, 602, 604, 608 C 609, 610	F1J0J ² EEFUI	106A016 D0J151ER	CAPACITOR, 6.3V, 10µF CAPACITOR, 6.3V, 150µF	
C 601, 602, 604, 608	F1J0J EEFUI F1G10	106A016	CAPACITOR, 6.3V, 10µF	4

0.040	EEEOVO MOAD	IOADA OITOD	1 4
C 619 C 622	EEFCX0J121R	CAPACITOR FOLL 2007 F	1
	F1G1H221A495	CAPACITOR, 50V, 220pF	1
CN 600	K1MN50BA0153	CONNECTOR	1
CN 601	K1MY52BA0190	CONNECTOR	1
CN 602	K1NA08E00013	SIM CONNECTOR	1
CN 604	K1MY10BA0309	CONNECTOR	1
D 600	B0KB00000044	DIODE	1
D 603	B0JCRC000002	DIODE	1
IC 600	C0JBAZ002422	IC, FET SWITCH	1
IC 601	C0JBAC000382	IC, LOGIC	1
IC 602	C0DBAYY00204	IC, DC/DC CONVERTER	1
IC 603	C0DBZGD00016	IC	1
IC 604	C0DBZYY00026	IC, USB POWER SW	1
IC 605	C0EBE0000460	IC	1
JK 600, 601	K1QZA1AE0001	CONNECTOR	2
L 600	J0JJC0000015	INDUCTOR	1
L 601	J0JJC0000015	INDUCTOR	1
L 602	J0MAB0000200	INDUCTOR	1
L 603	G1C2R7MA0273	INDUCTOR, COIL	1
Q 600	B1DHFD000015	TRANSISTOR	1
Q 602, 604	B1GBCFNN0042	TRANSISTOR	2
Q 603	B1CFGD000023	TRANSISTOR	1
R 600	D1BDR0330001	RESISTOR, 1/8W, 0.033Ω	1
R 601	D1BDR0470002	RESISTOR, 1/8W, 0.047Ω	1
R 602, 606, 609, 615, 616	ERJ2GEJ103X	RESISTOR, 1/16W, 10KΩ	5
R 603, 613	ERJ2GE0R00X	RESISTOR, 1/16W, 0Ω	2
R 604, 611, 612, 619	ERJ2GEJ101X	RESISTOR, 1/16W, 0Ω	4
R 608		RESISTOR, 1/16W, 100Ω	1
	ERJ2RKF1001X		
R 610	ERJ6GEY0R00V	RESISTOR, 1/10W, 0Ω	1
R 617	ERJ2RKF1002X	RESISTOR, 1/16W, 10KΩ	1
R 618	ERA3YEB303V	RESISTOR, 1/16W, 30KΩ	1
R 621, 622	ERJ2GEJ104X	RESISTOR, 1/16W, 100KΩ	2
SW 600	K0D444A00041	SWTICH	1
ZA 600, 601	K1YGZZ000060	SPACER	2
CN 603	K1FY104BA024	CONNECTOR, USB	1
PPOWER SWPCB			
CN 980	K1KA02AA0262	CONNECTOR	1
SW 980	K0D112A00096	SW	1
BT PCB	-	•	-
C 1	F1J0J106A016	CAPACITOR, 6.3V, 10µF	1
C 2, 4, 7, 11	F1G1C104A042	CAPACITOR, 16V, 0.1µF	4
C 3, 5	F1G1H102A496	CAPACITOR, 50V, 1000pF	2
C 6, 9	F1G1E103A062	CAPACITOR, 25V, 0.01µF	2
C 8	F1G1H270A542	CAPACITOR, 50V, 27pF	1
C 10	F1G1HR50A543	CAPACITOR, 50V, 0.5pF	1
CN 2	K1MY10BA0309	CONNECTOR	1
IC 1	C0JBAZ002422	IC, FET SWITCH	1
IC 2	N5HZZ0000056	BLUETOOTH MODULE	1
IC 3	C0EBE0000460	IC IC	1
IC 5	C0JBAC000382	IC, LOGIC	1 1
JK 1	K1QZA1AE0001	CONNECTOR	1
L 1, 2	J0JJC0000015	INDUCTOR	2
L 4	G1C5N6ZA0029	INCUCTOR	1
L 5	J0MAB0000200	INDUCTOR	1
Q 1	B1GBCFNN0042	TRANSISTOR	1
Q 2	B1DHDC000028	TRANSISTOR	1
R 1, 2, 3	ERJ2GEJ103X	RESISTOR, 1/16W, 10KΩ	3
TS PCB			
C 900, 901, 902, 903	F1G1E472A062	CAPACITOR, 25V, 4700pF	4
C 904, 905, 906, 907	F1G1H681A496	CAPACITOR, 50V, 680pF	4
C 908, 911, 912	F1G1C104A042	CAPACITOR, 16V, 0.1µF	3
C 909	F1G1E223A062	CAPACITOR, 25V, 0.022µF	1
C 910	F1G1H102A496	CAPACITOR, 50V, 1000pF	1

C 913, 916	F1J0J106A016	CAPACITOR, 6.3V, 10µF	2
C 914	F1G0J224A001	CAPACITOR, 6.3V, 0.22µF	1
CN 900	K1MN04B00073	CONNECTOR	1
CN 901	K1KA06BA0014	CONNECTOR	1
IC 900	C0EBE0000460	IC	1
IC 902	C1CB00002515	IC, TOUCHPANEL CONTROLLER	1
Q 900, 901	XP0431400L	TRANSISTOR	2
Q 902	B1GDCFNN0031	TRANSISTOR	1
R 900, 903, 905, 909, 911, 912, 917, 918, 922, 923	ERJ2GEJ102X	RESISTOR, 1/16W, 1KΩ	10
R 906, 930	ERJ2GEJ473X	RESISTOR, 1/16W, 47KΩ	2
R 908	ERJ2GEJ273X	RESISTOR, 1/16W, 27KΩ	1
R 913, 914, 915, 916	ERJ2GEJ822X	RESISTOR, 1/16W, 8.2KΩ	4
R 919, 925	ERJ2GE0R00X	RESISTOR, 1/16W, 0Ω	2
R 926	D1HA47380002	RESISTOR ARRAY	1
R 927, 928	ERJ2GEJ270X	RESISTOR, 1/16W, 27Ω	2
R 929	ERJ2GEJ152X	RESISTOR, 1/16W, 1.5KΩ	1
X 900	H2D600400005	OSCILLATOR, 6MHz	1