



LED TV

Chassis : U91A

Model : UN55F9000AF
UN65F9000AF

SERVICE Manual

LED TV



UN**F9000AF

Contents

1. Precautions
2. Product specifications
3. Disassembly and Reassembly
4. Troubleshooting
5. Wiring Diagram

Contents

1. Precautions	1-1
1-1. Safety Precautions	1-1
1-1-1. Warnings.....	1-1
1-1-2. Servicing the LED TV	1-1
1-1-3. Fire and Shock Hazard	1-1
1-1-4. Product Safety Notices	1-2
1-2. Servicing Precautions.....	1-3
1-2-1. General Servicing Precautions	1-3
1-3. Static Electricity Precautions	1-4
1-4. Installation Precautions	1-5
2. Product Specifications.....	2-1
2-1. Feature & Specifications.....	2-1
2-1-1. Features	2-1
2-1-2. Product View.....	2-2
2-1-3. Specifications	2-3
2-2. Detailed Specifications	2-5
2-3. Accessories	2-8
2-4. Viewing the Functions	2-9
2-4-1. SMART Interaction	2-9
2-4-2. Smart Control	2-11
2-4-3. SMART HUB.....	2-15
2-4-4. Supported Formats.....	2-17
2-4-5. 3D Active Glasses	2-20
3. Disassembly and Reassembly	3-1
3-1. Disassembly and Reassembly	3-1
3-1-1. TV	3-1
4. Troubleshooting	4-1
4-1. Troubleshooting	4-1
4-1-1. Previous Check	4-1
4-1-2. Simple flow chart of malfunction	4-3
4-2. How to Check Fault Symptom	4-4
4-2-1. NO Power and No Video	4-4
4-2-2. Video trouble shooting	4-6
4-2-4. Problems and Solutions.....	4-7
4-3. Factory Mode Adjustments	4-9
4-3-1. Detail Factory Option	4-9
4-3-2. Entering Factory Mode	4-10
4-3-3. Factory Data	4-11

4-4. White Balance	4-24
4-4-1. Calibration	4-24
4-4-2. Service Adjustment.....	4-24
4-4-3. Adjustment.....	4-26
4-5. RS-232C	4-27
4-6. AV Control Tab.....	4-28
4-7. Software Upgrade.....	4-34
4-7-1. How to Check the Software Version	4-34
4-7-2. How to Upgrade Software.....	4-35

5. Wiring Diagram	5-1
5-1. Wiring Diagram.....	5-1
5-2. Connector	5-2
5-2-1. Main Board	5-2
5-2-2. Jack Pin Board	5-5
5-3. Connector Functions	5-7



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1. Precautions

1-1. Safety Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1-1. Warnings



For continued safety, do not attempt to modify the circuit board.
Disconnect the AC power and DC power jack before servicing.

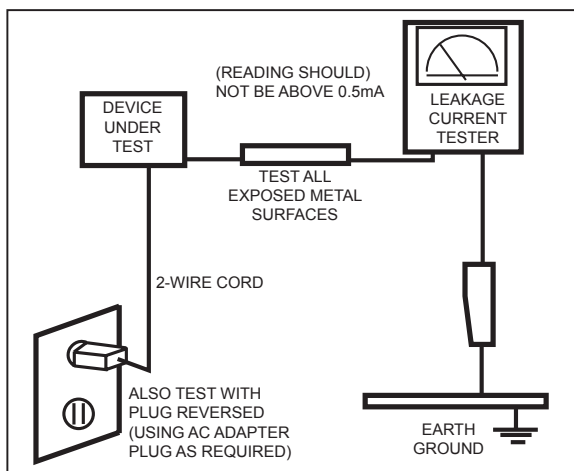
1-1-2. Servicing the LED TV

1. When servicing the LED TV, Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3. Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor/capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check:



Do not use an isolation transformer during this test.

Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts.
The current measured should not exceed 0.5 milliamp.
Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4. Product Safety Notices

Some electrical and mechanical parts have special safetyrelated characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by  on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2. Servicing Precautions



An electrolytic capacitor installed with the wrong polarity might explode.



Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.



If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1. General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to: (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug. The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3. Static Electricity Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.



Be sure no power is applied to the chassis or circuit and observe all other safety precautions.

8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4. Installation Precautions

1. For safety reasons, more than a people are required for carrying the product.
2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.
3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.
4. Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture. Otherwise, it may cause a fire or electric shock.
5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.
6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the highvoltage cable or the antenna falling over may cause fire or electric shock.
7. When installing the product, leave enough space (0.4m) between the product and the wall for ventilation purposes. A rise in temperature within the product may cause fire.

2. Product Specifications

2-1. Feature & Specifications

2-1-1. Features

- **3D:** This new feature enables you to view 3D content.
- **SMART HUB:** This TV features Smart Hub, a multi-purpose entertainment and family center. With Smart Hub, you can surf the web, download applications, and stay in touch with family and friends through social networking services. In addition, you can view or play photo, video, and music files stored on external storage devices. Press the  button to launch Smart Hub. Choose a service using the icons displayed in the top part of the screen. Smart Hub services and functionality include:
 - **Social:** Watch the latest YouTube videos and your and your friends' video posts on Facebook and Twitter. You can also make video calls to friends by the TV camera.
 - **Apps:** Samsung Apps offers an extensive collection of free and paid news, sports, weather, and gaming content you can directly download to and enjoy on your TV.
 - **On TV:** Check a listing of programs that are currently airing or are scheduled to air.
 - **Movies & TV Shows:** Purchase and watch movies and series without a separate external device.
 - **Photos, Videos & Music:** Play back photo, video, and music files from an external storage device.
- **Anynet+ (HDMI-CEC):** This allows you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote.
- **e-Manual:** Provides a detailed, on-screen user's manual built into your TV.
- **SMART Interaction:** Using this function, you can access and control menu options and functions using motions.
- **Device Manager:** Use the TV features with a USB or Bluetooth keyboard and mouse.
- **MHL & Screen Mirroring:** Displays mobile device screens on your TV using a wired or wireless connection.

2-1-2. Product View

Model	UN**F9000AF		
Front View	 * W : Width H : High D : Depth		
Detail View			
Front Color	Front Color : Black / Stand Color : Chrome Silver		
Dimensions (W x H x D)	55"	Set with Stand	1245.6 x 756.9 x 310.2 mm
		Set without Stand	1245.6 x 717.8 x 38.6 mm
	65"	Set with Stand	1462.3 x 874.7 x 330.3 mm
		Set without Stand	1462.3 x 837.8 x 40.7 mm
Weight	55"	Set with Stand	23.6 kg
		Set without Stand	22.2 kg
	65"	Set with Stand	34.2 kg
		Set without Stand	32.1 kg
Panel Type	SVA (Super Vertical Align)		
Internal Memory	Flash 4G		
DDR	2048Mbyte		
Feature	3D, MoIP, Media Bridge, Allshare, Internet TV, Built-in WiFi, Full Browser, Bluetooth		

2-1-3. Specifications

Model	UN55F9000AF
Item	Description
LCD Panel	55 inch UHD 120Hz
Scanning Frequency	Horizontal : 270KHz (TYP) Vertical : 120Hz (TYP)
Display Colors	16.7M (True Display) 1.07B (Dithered 10bit)
Maximum Resolution	Horizontal : 3,840 Pixels Vertical : 2,160 Pixels
Input Signal	Analog 0.7 Vp-p $\pm$ 5% positive at 75 Ω , internally terminated
Input Sync Signal	H/V Separate, TTL, P. or N.
Maximum Pixel Clock Rate	76.5MHz x 4 (Typ 74.25MHz x 4)
Active Display (H x V)* * Horizontal x Vertical	47.7 (H) x 26.8 (V) inches / 1211.6 (H) x 682.4 (V) mm
AC Power Voltage & Frequency	AC220-240V 50/60Hz
Power Consumption	230W (Under 0.1W, Standby by)
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10% ~ 80%, non-condensing Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5% ~ 95%, non-condensing
Audio Specifications	- MAX Internal Audio Output Power : 70W - Woofer : 20W x 2 - Tweeter : 15W x 2 - Equalizer : 5 Band - RF : 20Hz ~ 15.4kHz - AV/Component/HDMI : 20Hz ~ 20kHz
Note : 3D, MoIP, Media Bridge, Allshare, Internet TV, Built-in Wi-Fi, Full Browser, Bluetooth	

2. Product specifications

Model	UN65F9000AF
Item	Description
LCD Panel	65 inch UHD 120Hz
Scanning Frequency	Horizontal : 270KHz (TYP) Vertical : 120Hz (TYP)
Display Colors	16.7M (True Display) 1.07B (Dithered 10bit)
Maximum Resolution	Horizontal : 3,840 Pixels Vertical : 2,160 Pixels
Input Signal	Analog 0.7 Vp-p $\pm$ 5% positive at 75 Ω , internally terminated
Input Sync Signal	H/V Separate, TTL, P. or N.
Maximum Pixel Clock Rate	76.5MHz x 4 (Typ 74.25MHz x 4)
Active Display (H x V)* * Horizontal x Vertical	56.3 (H) x 31.7 (V) inches / 1430.4 (H) x 805.4 (V) mm
AC Power Voltage & Frequency	AC220-240V 50/60Hz
Power Consumption	265W (Under 0.1 W, Stand by)
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10% ~ 80%, non-condensing Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5% ~ 95%, non-condensing
Audio Specifications	• MAX Internal Audio Output Power : 70W – Woofer : 20W x 2 – Tweeter : 15W x 2 • Equalizer : 5 Brand • RF : 20Hz ~ 15.4kHz • AV/Component/HDMI : 20Hz ~ 20kHz
Note : 3D, MoIP, Media Bridge, Allshare, Internet TV, Built-in Wi-Fi, Full Browser, Bluetooth	

2-2. Detailed Specifications

	Item	UN**F9000AF
General Information	Product (LCD, LED, PDP)	LED
	Series	9
Display	Inch	55" / 65"
	Resolution	3,840 x 2,160
	Ultra Clear Panel	Yes
Video	Clear Motion Rate	1200
	Micro Dimming	Micro Dimming Ultimate
	Precision Black	Yes
	Digital Noise Filter	Yes
	Wide Color Enhancer	Yes
Audio	Sound Output (RMS)	70W (15W x 2 + 20W x 2)
	Dolby	Dolby Digital Plus / Dolby Pulse
	SRS	DNSe+
	dts 2.0+Digital Out	DTS Premium Audio
	Speaker Type	Down Firing + Full Range
	Sound Customizer	Yes
	Auto Volume Leveler	Yes
Smart Content	Samsung SMART TV	Yes
	Dual Core	No
	Quad Core	Yes
	Smart Guide	Yes
	Movie & TV Shows	Yes
	Apps	Yes
	Social	Yes
	Photos, Clips & Music	Yes
	Family Story	No
	Fitness	Yes
	Kids	Yes
	Smart Hub	Yes
	Your Video	No
	Skype™ on Samsung TV	Yes
	Web Browser	Yes
	Recommendation Bar	Yes
	Recent History	Yes
Smart Convenience	Personal Video Recorder Ready	No
	Time Shift Ready	No
	ConnectShare™ (USB2.0)	Movie

2. Product specifications

Item		UN**F9000AF
Smart Convenience	RUI	No
	RVU	Yes (Direct TV ready), US only
	Smart Phone Remote supported	Yes
	Wireless LAN Adapter Ready	No
	BD Wise	Yes
	Game Mode	Yes
	Anynet+ (HDMI-CEC)	Yes
	Picture-In-Picture	Yes
	Triple Protector	N/A
	OSD Language	English, Spanish, French
Smart Convergence	Allshare (Powered by DLNA)	Yes
	AllShare Play	Yes
	Samsung SMART View	Yes
	WiFi Direct	Yes
Smart Interaction	Camera Built-in	Yes
	Face recognition	Yes
	Motion control	Yes
	Voice Control (Embedded)	Yes
	Voice Control (Server)	Yes
	NLU (Natural Language Understanding)	Yes
	Camera App	Yes
	Samsung TV Apps supported	Yes
Smart Evolution	Smart Evolution Ready	Yes
3D	3D	Yes
	3D Converter	Yes
	3D Sound	Yes
Tuner/Broadcasting	DTV Tuner	ATSC / Clear QAM
	Analog Tuner	Yes
	MHP / MHEG (version)/ ACAP	N/A
	EPG	Yes
	Channel List USB-Clone	N/A
	CI+	N/A
	Auto Channel Search	Yes
	Teletext (TTX) (1,000 pages)	No
Connectivity	HDMI	4
	USB	3
	Headphone	No
	Wireless LAN Built-in	Yes

Item		UN**F9000AF
Connectivity	Component In (Y/Pb/Pr)	1
	Composite In (AV)	2 (1 Common Use for Component Y)
	Digital Audio Out (Optical)	1
	PC In (D-sub)	No
	Scart	N/A
	RF In (Terrestrial / Cable input)	1
	RF In (Satellite Input)	No
	PC Audio In (Mini Jack)	No
	DVI Audio In (Mini Jack)	No
	Audio Out (Mini Jack)	1
	Ethernet (LAN)	1
	MHL	Yes
	IR Out	Yes
Design	Design	Metal
	Color	Black
	Bezel Type	Ultra Slim(0.5" thin)
	Light Effect (Deco)	Yes
	Swivel (Left/Right)	No
	Stand Type	Arc
Accessory	3D Active Glasses (Included)	4 (SSG-5100GB)
	Samsung Smart Touch Control (Included)	Yes
	Samsung IR Blaster (Included)	Yes
	Wireless LAN Adaptor (Included)	No
	MoIP Camera	No
	Wireless Keyboard	No
	Remote Controller Model	TM1390B
	Batteries (for Remote Control)	Yes
	Ultra Slim Wall Mount Supported	No
	Mini Wall Mount Supported	Yes
	Vesa Wall Mount Supported	Yes
	Slim Gender Cable	1AV, 1 Component(AV share), 1L/R
	Power Cable	Yes
	ANT-Cable	No
	User Manual	Yes
	E-Manual	Yes

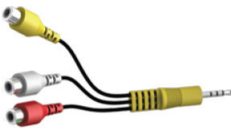
2-3. Accessories



NOTE

- The items' colors and shapes may vary depending on the model.
- Check that there is no accessory hidden behind packing materials when you open the box.
- The part code for some accessories may differ depending on your region.

Product	Code. No	Product	Code. No
• Smart Touch Control	AA59-00758A	• Samsung 3D Active Glasses	BN96-25617A
• Remote Control	AA59-00784C	• Regulatory Guide	BN68-04972A
• Batteries (AAA x 4)	4301-000103	• User Manual	BN68-05426A
• Power Cord	3903-000598	• Quick Setup Guide	BN68-05427A

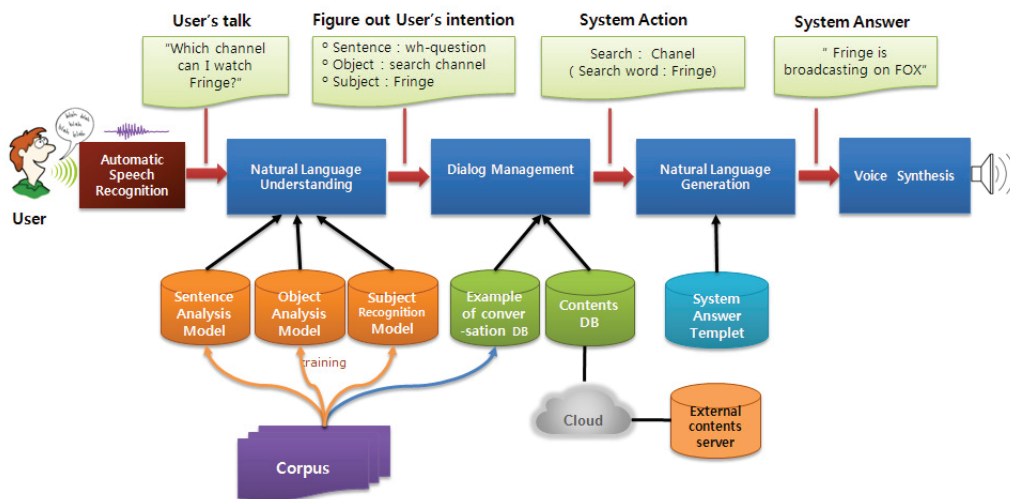
Image	Product	Code. No
	• IR Extender Cable	BN96-26652A
	• RCA Adapter x 2	BN39-01154H
	• Component Adapter	BN39-01154C
	• One Connect	BN82-01467A
	• One Connect Cable	BN39-01815B
	• Power inlet cover	BN96-29253A

2-4. Viewing the Functions

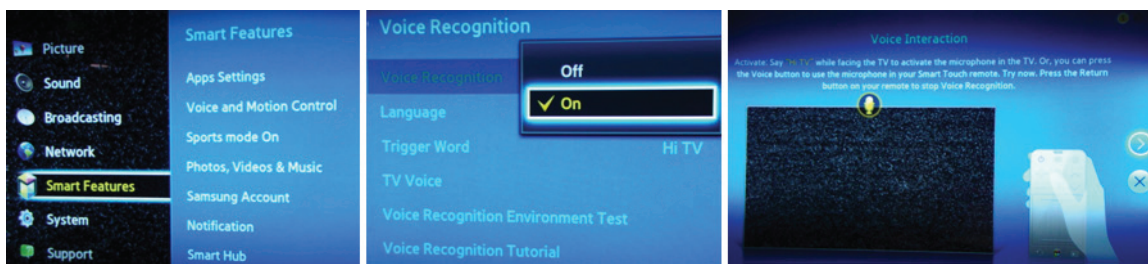
2-4-1. SMART Interaction

■ Voice Recognition

- Conversation with TV by Human Talks.
- TV answer or execute about User's Talks.



Start to use Voice Recognition



Voice Recognition

Voice Recognition On

Voice Recognition Tutorial

Example of Broadcasting & Contents

- Search Program title (on air) "What's the title?"
- Recommend/Search Program (Channel) "Something interesting program?"
- Search the specific Genre of contents "Which channel is on NEWS?"
- Search the specific Program title "Find "American Idols"
- Search the program by performer "Find channel which Oprah Winfrey appear"
- Change Channel by calling the channel "FOX, USA Network, CWTY, NBC, ..."



NOTE

- Support Genre

DRAMA	MOVIE	CARTOON	ENTERTAINMENT
SPORTS	HOBBY	MUSIC	EDUCATION
SHOPPING	NEWS	CURRENT EVENTS	CULTURE

■ Motion Recognition

- One-Hand Motion Control



Slightly shake the hand forward to TV
Degree : front/left/right 45 degree

- Two-Hand Motion Control

[Case 1] Recognize one hand



Slightly shake the hand forward to TV

[Case 2] Recognize two hands



Slightly shake two hands forward to TV

Motion Recognition

- Pointing Mode Command Set



Slap : Free Pointing



Grab : Execute



Grab & Move : Panning



CCW Rotation : Back



Same as "Return" key on remote.

- Special Command Set ('13 New Functions)



Slap : Move SMART HUB Window, Photo



Two-Handed : Zoom In/Out



Slap : Move SMART HUB Window, Photo



Rotation : Rotating Photo



2-4-2. Smart Control

The Smart Touch Control makes it easier and more convenient to use the TV. For example, you can use the remote control's built-in touchpad to move the focus and make selections as you would on a computer using a mouse. In addition, you can use the virtual control panel displayed on the screen to change channels, play media files, and access favorites.

■ Connecting to the TV

In order to operate the TV using a Smart Touch Control unit, you must first pair it to the TV via Bluetooth.

1. To turn on the TV, point the Smart Touch Control at the remote control receiver of the TV and press the TV button. The remote control receiver's location may vary depending on the model.
2. A Bluetooth icon will appear at the bottom left of the screen as shown below. The TV will then attempt to connect to the Smart Touch Control unit automatically



<Attempting to connect and completion icons>

■ Reconnecting the Smart Touch Control Unit

If you need to reestablish the connection between the TV and the Smart Touch Control unit, press the pairing button at the back of the Smart Touch Control unit.



<The Smart Touch Control unit's pairing button>

The pairing button can be accessed by removing the control unit's battery cover. Pressing the pairing button automatically reestablishes the connection between the control unit and the TV.

■ Buttons and Descriptions



Touchpad

Drag your finger on the touchpad as you would on the touchpad of a laptop to move the focus displayed on the screen. To select item, press the touchpad.

<The Smart Touch Control>

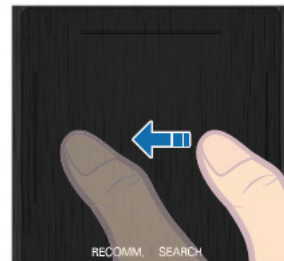
 TV Turns the TV on/off.	 RETURN/EXIT Returns to the previous menu. Press and hold this button to quit the current process or App.
 SOURCE Changes the source.	 SMART HUB Launch Smart Hub. While an application is running, pressing the Smart Hub button terminates the application.
 STB Turns the cable box or satellite receiver on/off.	 GUIDE Check the digital channel broadcasting schedule.
 VOL Adjusts the volume.	 RIGHT Turn on the backlight for the buttons. The backlight lasts for only a few seconds. Turns the remote control light on or off. When on, the buttons become illuminated for a moment when pressed.
 VOICE Run Voice Recognition. To speak a voice command, press and hold the VOICE button and say a voice command.	 DVR Displays the STB EPG (Electronic Program Guide).
 MUTE Turns the TV sound on/off.	 MENU Opens the OSD
 MORE Displays a virtual remote control on the screen. The virtual remote control consists of a number panel, a playback control panel, and a quick access panel. Use the touchpad to select numbers and buttons.	 3D Turns the 3D image on or off.

■ Reconnecting the Smart Touch Control Unit

Use the touchpad to perform various commands. Navigate to Guide (**System** → **Device Manager** → **Smart Touch Control Settings** → **Guide**) to view an on-screen guide to using the Smart Touch Control.

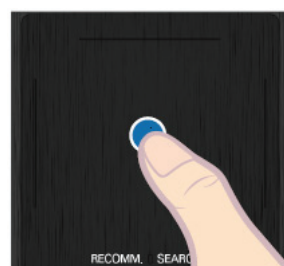
- Dragging

Drag on the touchpad in the desired direction. Move the focus or the pointer in the direction the finger is dragging.



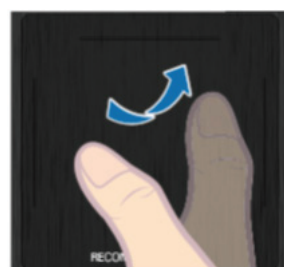
- Tap

Tap on the touchpad. This selects the focused item.



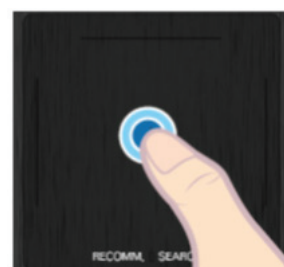
- Flicking

Flick on the touchpad in the desired direction. This moves the focus or scrolls the screen based on the direction and speed of the flick.



- Tapping and Holding

Tap and hold on the touchpad for at least 3 seconds. This gives you access to hidden features included in certain applications.



- Tapping and Dragging

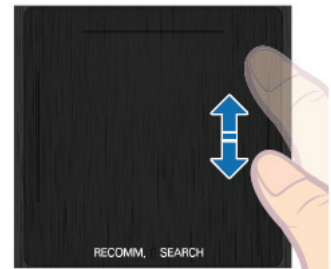
Tap on the touchpad, drag and release. This moves the selected web item in a webpage or your current location on a map.



2. Product specifications

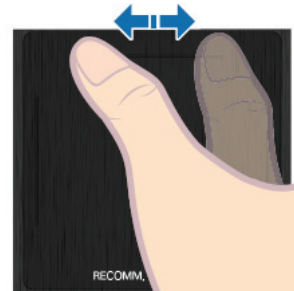
- Scrolling Up/Down

Scroll up/down the line on either the left or right edge of the touchpad. This scrolls a webpage or a list up/down. This scrolling feature easily accommodates both right-handed and left-handed users.



- Scrolling Left/Right

Scroll left/right on the line at the top or bottom edge of the touchpad. This scrolls a horizontal webpage or the Smart Hub panel to the left/right.



2-4-3. SMART HUB

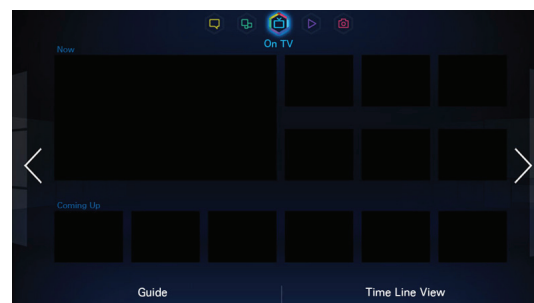
This TV features Smart Hub, a multi-purpose entertainment and family center. With Smart Hub, users can surf the web, download applications, and stay in touch with family and friends through social networking services. In addition, you can enjoy photo, video, and music files stored on external storage devices.



On TV

This functions is only available on U.S and Canada.

While you watch TV, a list of recommended programs on other channels appears on the screen. You can use this list to change the channel and find out more information about the recommended programs including how much time is left until they air.



Movies & TV Shows

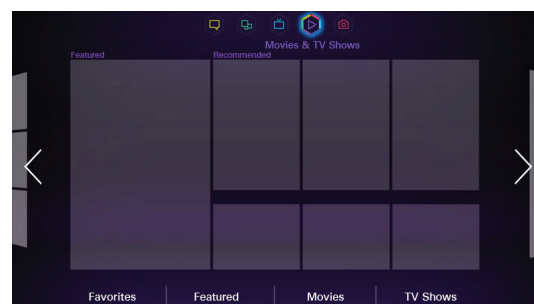
Purchase and watch movies and series without a separate external device.

This functions is only available on U.S and Canada.

Users can buy movies and TV shows online.

Open Smart Hub and select Movies & TV Shows.

This service may be not available depending on the country or region.

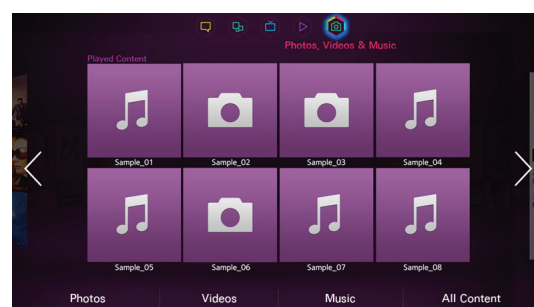


Movies & TV Shows

Play back photo, video, and music files from an external storage device.

Open Smart Hub and select Photos, Videos & Music.

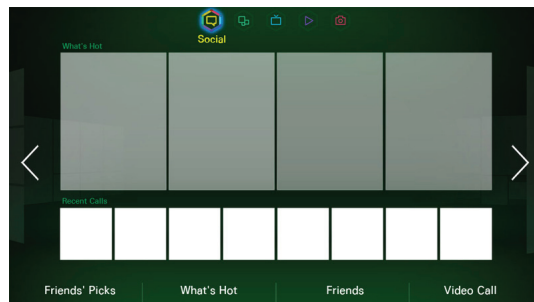
Enjoy photo, video and music files from an external storage device directly on your TV. Back up important files before connecting an external storage device to the TV. Samsung will not be held responsible for damaged or lost files.



Social



Watch the latest YouTube videos and you and your friends' video posts on Facebook and Twitter. You can also make video calls to friends by connecting the TV to a camera (sold separately).

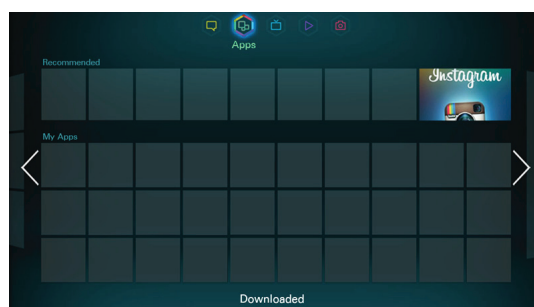


Apps



Download and install applications such as WebBrowser and Family Tree.

Samsung Apps offers an extensive collection of free and paid news, sports, weather, and gaming content you can directly download to and enjoy on your TV. First, check the network and make sure the TV is connected to the Internet. Your TV needs to be connected to the Internet in order to use Apps.



- **Samsung Apps**
Samsung Apps offers various free and paid news, sports, weather, and gaming applications. Samsung Apps lets you search for applications and install them directly on your TV. Read and agree to the terms and conditions of use and then browse through the categories or directly search for applications.
- **Fitness**
Fitness is an application that helps you stay fit. Create a profile, set up an exercise plan, and start exercising according to a structured regimen. Read and agree to the terms and conditions before using Fitness.
- **Family Story**
Family Story allows people to share photos, messages and events with family and friends. Family Story is available on TVs, computers, and mobile devices, allowing you to stay connected with your friends and loved ones at home, at the office, and even while on the go. Read and agree to the terms and conditions before using Family Story.
- **Kids**
This is a quick launcher and recommended list for applications and content that is suitable for children and even provides services not currently installed on your TV. Using Kids, you can download applications and content for your children to your TV. Certain services, however, are fee-based.
- **WebBrowser**
WebBrowser is a web-browsing application. Using WebBrowser, you can browse the Internet on your TV as you would on your computer and even watch TV while you surf the web. The browsing experience, however, may not be the same as it is on your computer. Use a keyboard and mouse for a more convenient web browsing experience.
- **Social Networks**
Share your thoughts and comments about a program on the air through social networking services. Social Networks displays social network services such as Twitter, Facebook, Google Talk, and NateOn on a single screen. You can even post messages and comments in the same manner as you would using a computer. You must first link your Samsung account to the respective SNS accounts before you can access them using Social Networks.

2-4-4. Supported Formats

■ Supported Subtitle Formats

External

Name	File Extension
MPEG-4 Timed text	Timed text .txt
SAMI	.smi
SubRip	.srt
SubViewer	.sub
Micro DVD	.sub or .txt
SubStation Alpha	.ssa
Advanced SubStation Alpha	.ass
Powerdivx	.psb

Internal

Name	File Extension
Xsub	AVI
SubStation Alpha	MKV
Advanced SubStation Alpha	MKV
SubRip	MKV
MPEG-4 Timed text	MP4

■ Supported Music File Formats

File Extension	Type	Codec	Comments
*.mp3	MPEG	MPEG1 Audio Layer 3	
*.m4a	MPEG4	AAC	
*.mpa			
*.aac			
*.flac	FLAC	FLAC	Supports up to 2 channel
*.ogg	OGG	Vorbis	Supports up to 2 channel
*.wma	WMA	WMA	WMA 10 Pro supports up to 5.1 channel. WMA lossless audio is not supported. Supports up to M2 profile (except LBR mode)
*.wav	wav	wav	
*.mid *.midi	midi	midi	type 0, type 1 are supported.
*.ape	ape	ape	

■ Supported Video Formats

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec			
*.avi	AVI MKV ASF MP4 3GP MOV FLV VRO VOB PS TS SVAF	Divx 3.11 / 4 / 5 / 6	1920 x 1080	6~30	30	AC3 LPCM ADPCM(IMA, MS) AAC HE-AAC WMA DD+ MPEG(MP3) G.711(A-Law, μ-Law)			
*.mkv		MPEG4 SP/ASP							
*.asf		H.264 BP/MP/HP							
*.wmv		Motion JPEG	640 x 480		8				
*.mp4									
*.3gp		Microsoft MPEG-4 v3	1280 x 720						
*.vro									
*.mpg		Window Media Video v7,v8			30				
*.mpeg									
*.ts		Window Media Video v9							
*.tp									
*.trp		MPEG2	1920x1080						
*.mov									
*.flv									
*.vob		MPEG1							
*.svi									
*.m2ts		MVC		24/25/30	60				
*.mts				6~30	4				
*.divx		VP6	640 x 480						
*.webm		WebM	VP8	1920 x1080		20	Vorbis		

■ Other Restrictions

Codecs may not function properly if there is a problem with the content data. Video content does not play or does not play correctly if there is an error in the content or container. "Sound or video may not work if they have standard bit rates/ frame rates above the TV's compatibility ratings." If the Index Table is wrong, the Seek (Jump) function does not work. "When playing video over a network connection, the video may not play smoothly because of data transmission speeds." Some USB/digital camera devices may not be compatible with the player.

■ Video Decoders

- Supports up to H.264, Level 4.1 (does not support FMO/ASO/RS)
- VC1 AP L4 is not supported.
- All video codecs excluding WMV v7, v8, MSMPEG4 v3, MVC, and VP6:
 - Below 1280 x 720: 60 frame max
 - Above 1280 x 720: 30 frame max
- GMC is not supported.
- Supports SVAF top/bottom and left/right only.
- Supports Blu-ray/DVD MVC specs only.

■ Audio Decoders

- WMA 10 Pro supports up to 5.1 channels. Supports up to M2 profile. (Excluding M0 LBR mode)
- WMA lossless audio is not supported.
- Vorbis is supported for up to 2 channels.
- DD+ is supported for up to 5.1 channels.

2-4-5. 3D Active Glasses

■ Features

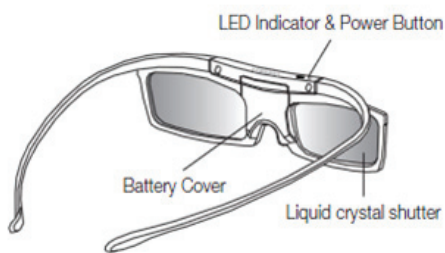
Samsung's SSG-5100GB 3D glasses enable you to view 3D images on your 3D TV. the Samsung 3D glasses communicate with Samsung 3D TVs via the 2.4 GHz RF band.



NOTE

The Samsung 3D glasses only copatible with Samsung D, E, and F series 3D TV's that were released in 2011, 2012, and 2013. these 3D glasses cannot be connected to other Bluetooth devices.

■ Parts



3. Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the LED TV.



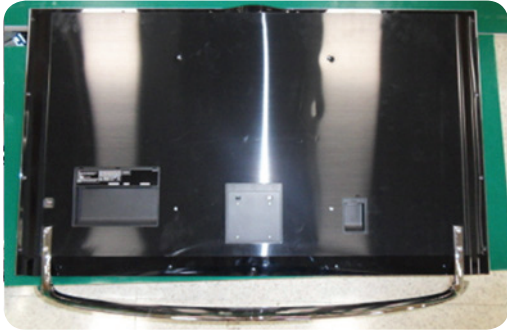
This LED TV contains electrostatically sensitive devices. Use caution when handling these components.

3-1. Disassembly and Reassembly

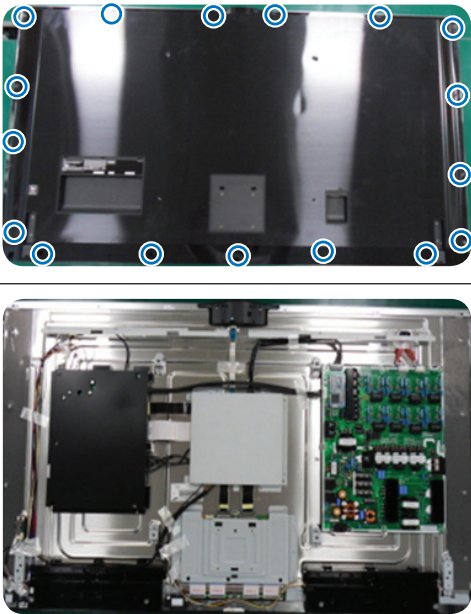
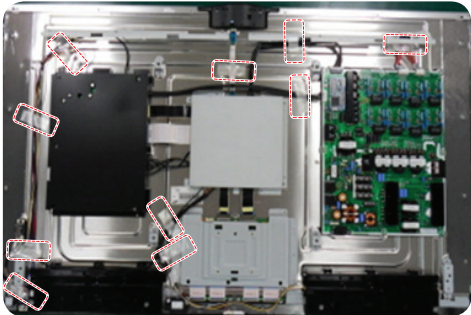
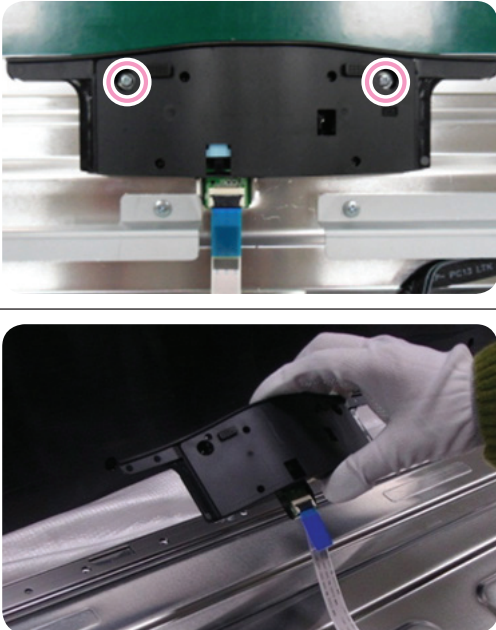


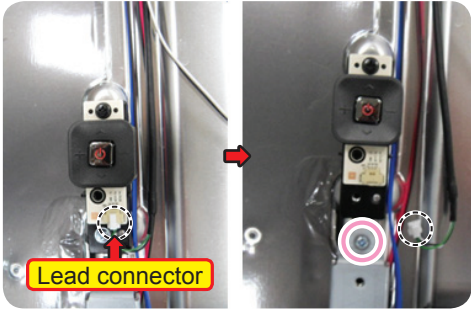
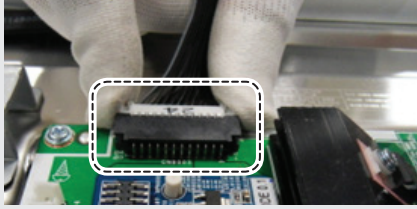
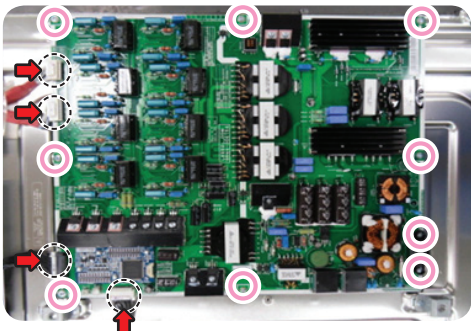
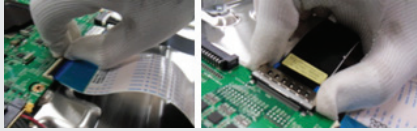
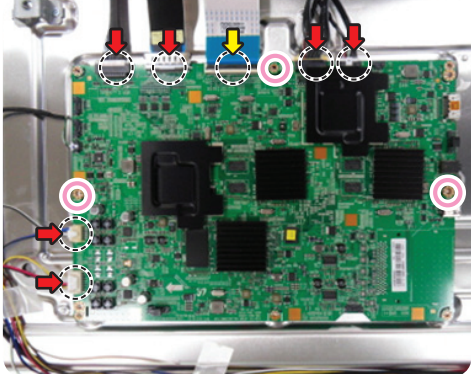
1. Disconnect the LED TV from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

3-1-1. TV

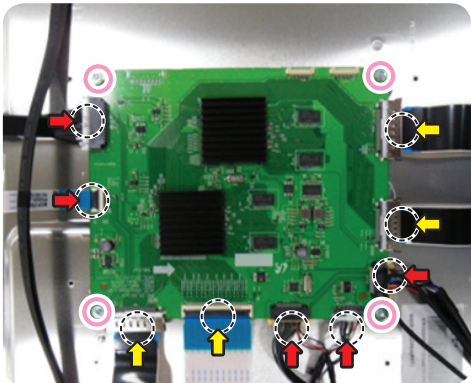
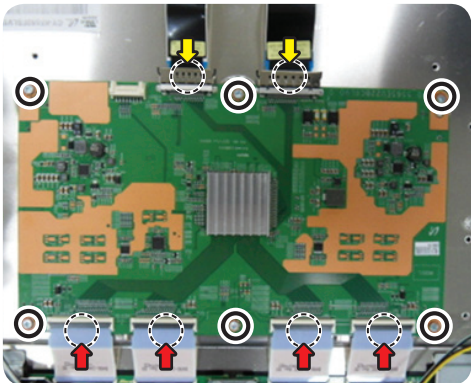
Description	Picture Description	Screws
1 Place TV face down on cushioned table.		
2 Remove 4 screws from the BRACKET-STAND,SUPPORT-R/L.		  6003-001321
3 Remove ASSY STAND P-BASE.  CAUTION Becareful when you remove ASSY STAND P-BASE, It could be sharp as a metal parts.		

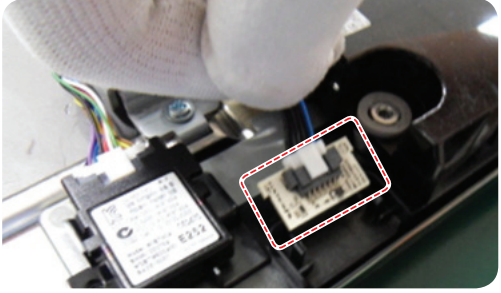
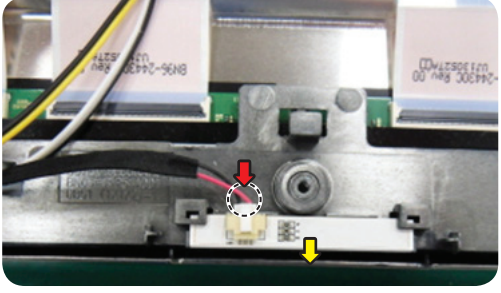
3. Disassembly and Reassemble

Description	Picture Description	Screws
4 Remove the screws for the ASSY COVER P-REAR Then carefully remove the ASSY COVER P-REAR. • 55 inch : 17 EA • 65 inch : 19 EA • Panel View		Torque : 7~ 8Kgf.cm.  6001-002755
5 Remove the electric tapes () shown on the image. ! CAUTION When assembling the TV, the electric tapes must be applied on the same locations. Please remember to take a picture of where the tapes were first applied.		
6 Remove the FFC Cable and screws(2EA) from the ASSY MISC P-AQUILA_UD6. Then carefully remove the ASSY MISC P-AQUILA_UD6.		Torque : 7~ 8Kgf.cm  6001-003016

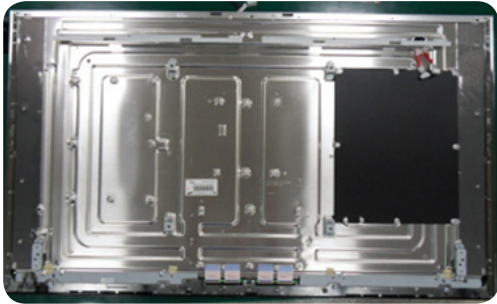
Description	Picture Description	Screws
7 Remove the Lead Connector and screws(1EA) from the ASSY BOARD P-JOG FUNCTION. Then carefully remove the ASSY BOARD P-JOG FUNCTION.	 Lead connector	Torque : 7~ 8Kgf.cm  6001-003016
8 Remove the Lead Connectors and screws(9EA) from the DC VSS-LED PD BD unit. Then carefully remove the DC VSS-LED PD BD unit.  NOTE How to disconnect a Side Locking Type Connector 	  : Lead connector	Torque : 7~ 8Kgf.cm  6001-003016
9 Remove the screws(5EA) from the ASSY SHIELD P-PCB,MAIN.		Torque : 7~ 8Kgf.cm  6001-003016
10 Then remove the Cables and screws (3EA) from the ASSY PCB MAIN. Finally carefully remove the ASSY PCB MAIN.  NOTE How to disconnect the LVDS Cable 	  : Cable  : LVDS Cable	Torque : 7~ 8Kgf.cm  6001-003016

3. Disassembly and Reassemble

Description	Picture Description	Screws
11 Remove the screws(4EA) from the ASSY SHIELD P-PCB,FRC.		Torque : 7~ 8Kgf.cm  6001-003016
12 Remove the cables and screws(4EA) from the ASSY PCB MISC-FRC. Finally carefully remove the ASSY PCB MISC-FRC.	  : Cable  : LVDS Cable	Torque : 7~ 8Kgf.cm  6001-003016
13 Remove the screws(4EA) from the Cover of ASSY T CON P.		Torque : 7~ 8Kgf.cm  6001-003016
14 Remove the cables and screws(6EA) from the ASSY T CON P. Finally carefully remove the ASSY T CON P.	  : Cable  : LVDS Cable	Torque : 7~ 8Kgf.cm  6001-003016

Description	Picture Description	Screws
15 Remove the Cable and screws(1EA) from the ASSY BOARD P-RF-MODULE.  NOTE Remove the ASSY BOARD P-RF-MODULE unit by toggling the unit left and right.	  : Cable	Torque : 7~ 8Kgf.cm  6001-003016
16 Remove the IR unit by lifting it up.		
17 Remove the NETWORK unit by moving it from top to bottom.		
18 Remove the Cable from the ASSY BLU P-LOGO than remove the ASSY BLU P-LOGO unit by pushing the unit from top to bottom.		
19 Remove the ASSY SPEAKER P(R/L).  NOTE If the 26p Cable that is connected to all of the modules from steps 15~18, the ASSY SPEAKER P(R/L) can be detached easily.		

3. Disassembly and Reassemble

Description	Picture Description	Screws
20 Panel Back Side View. Panel		



NOTE

Reassembly procedures are in the reverse order of disassembly procedures.

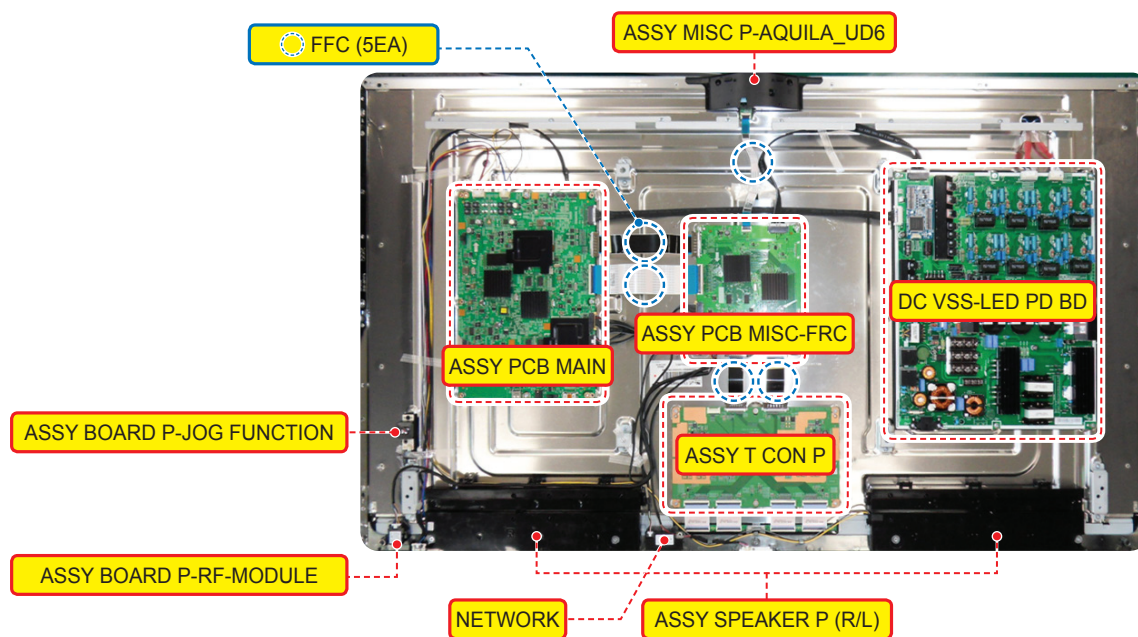
- Always remember to disconnect the Power Cord before assembling or disassembling the LED TV.
- Always take precautions and follow the steps properly. Remember to take a picture before disassembling.
- Recommended screwdriver torque : 5 ~ 7kgf (The torque may need to be adjusted accordingly.)

4. Troubleshooting

4-1. Troubleshooting

4-1-1. Previous Check

- Check the various cable connections first.
 - Check to see if there is a burnt or damaged cable.
 - Check to see if there is a disconnected or loose cable connection.
 - Check to see if the cables are connected according to the connection diagram.
- Check the power input to the Main Board.



3. Determining if the failure resulted from the **Main Board**, **FRC Board**, or **T-CON Board**

- Nothing on screen:** If the 'Backlight' is on but nothing appears on screen and the LED signal in front of the TV is blinking, please first check the connection of the LVDS cable. If problem persists, please replace in the following order: (1) FRC Board (2) T-CON Board (3) Main Board
- Screen distortion:** Go under 'SVC' in the Service Mode and check the internal pattern.

- For All mode

pattern sel	FRC Pre	FRC POST	NT72314 OSD Pre	NT72314 OSD Post	Problem
OK	OK	OK	OK	OK	Main Board or Signal Input Source
NG	OK	OK	OK	OK	Main Board
NG	NG	OK	OK	OK	Main Board, LVDS, or FRC
NG	NG	NG	OK	OK	Main Board, LVDS, or FRC
NG	NG	NG	NG	OK	Main Board, LVDS, or FRC
NG	NG	NG	NG	NG	Main Board, LVDS, or FRC T-CON, or Panel

- HDMI Mode (Additional Inspection)

HDMI	Picture	Problem
OK	NG	HDMI Input Source, HDMI Cable, or HDMI Jack
NG	NG	HDMI Switch Failure. Check starting with the pattern for Echo-P

■ How to check inner pattern?

1. Enter the service mode → Choose 'SVC' → Check the 'internal pattern.'

2. Enter 'Service Mode.'

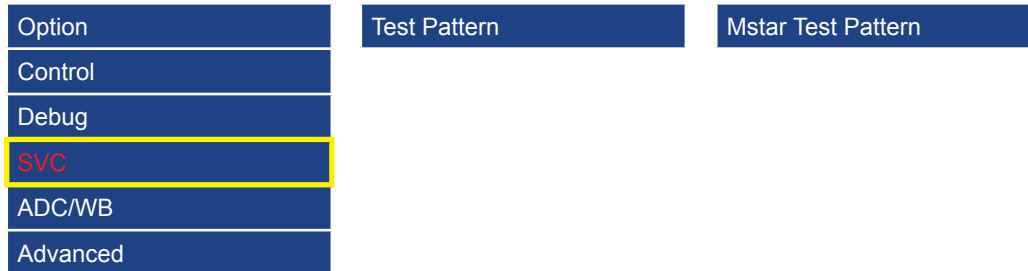
- If you do not have Factory remote control



- If you have Factory remote control

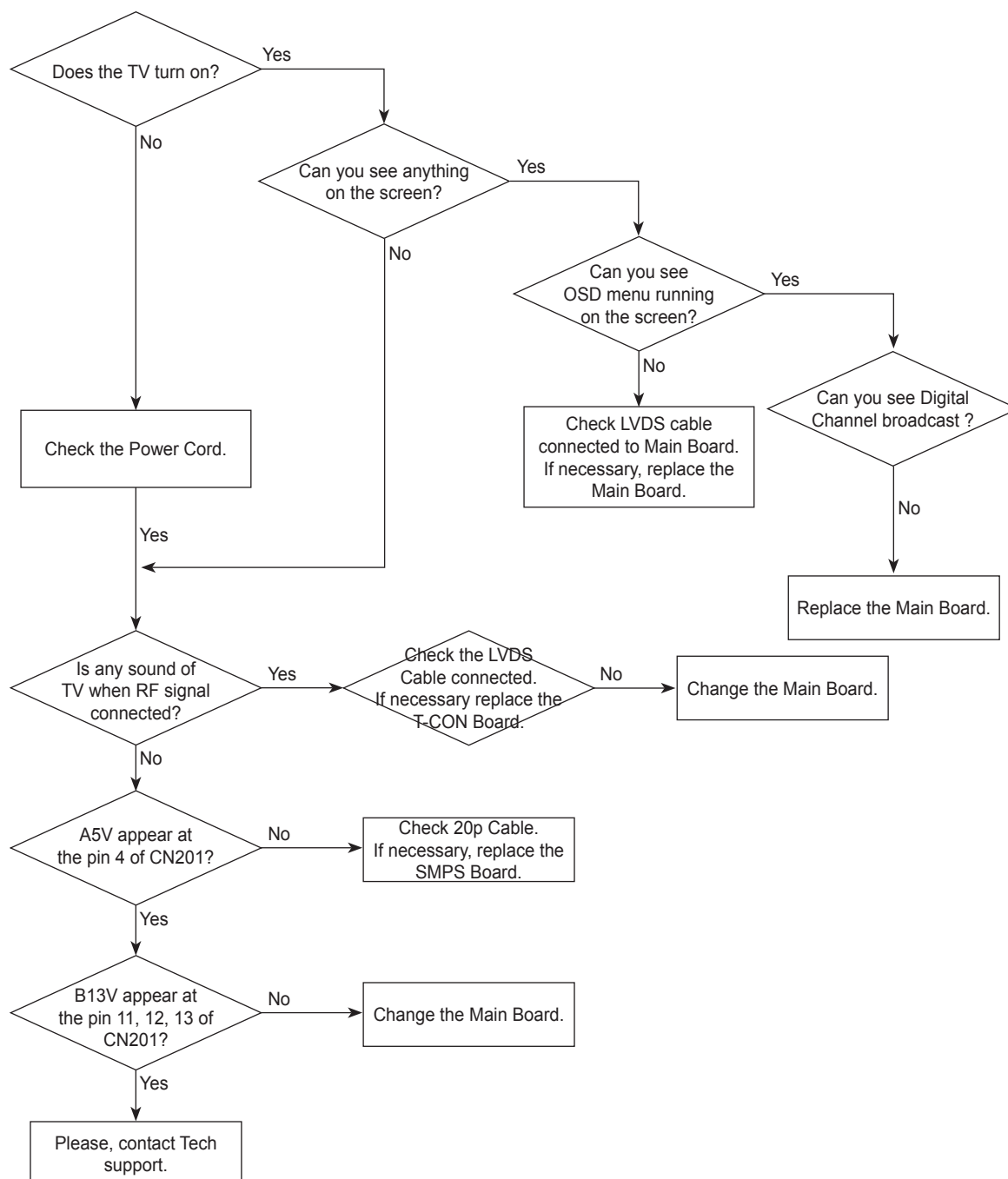


3. Choose 'SVC → Test pattern'.



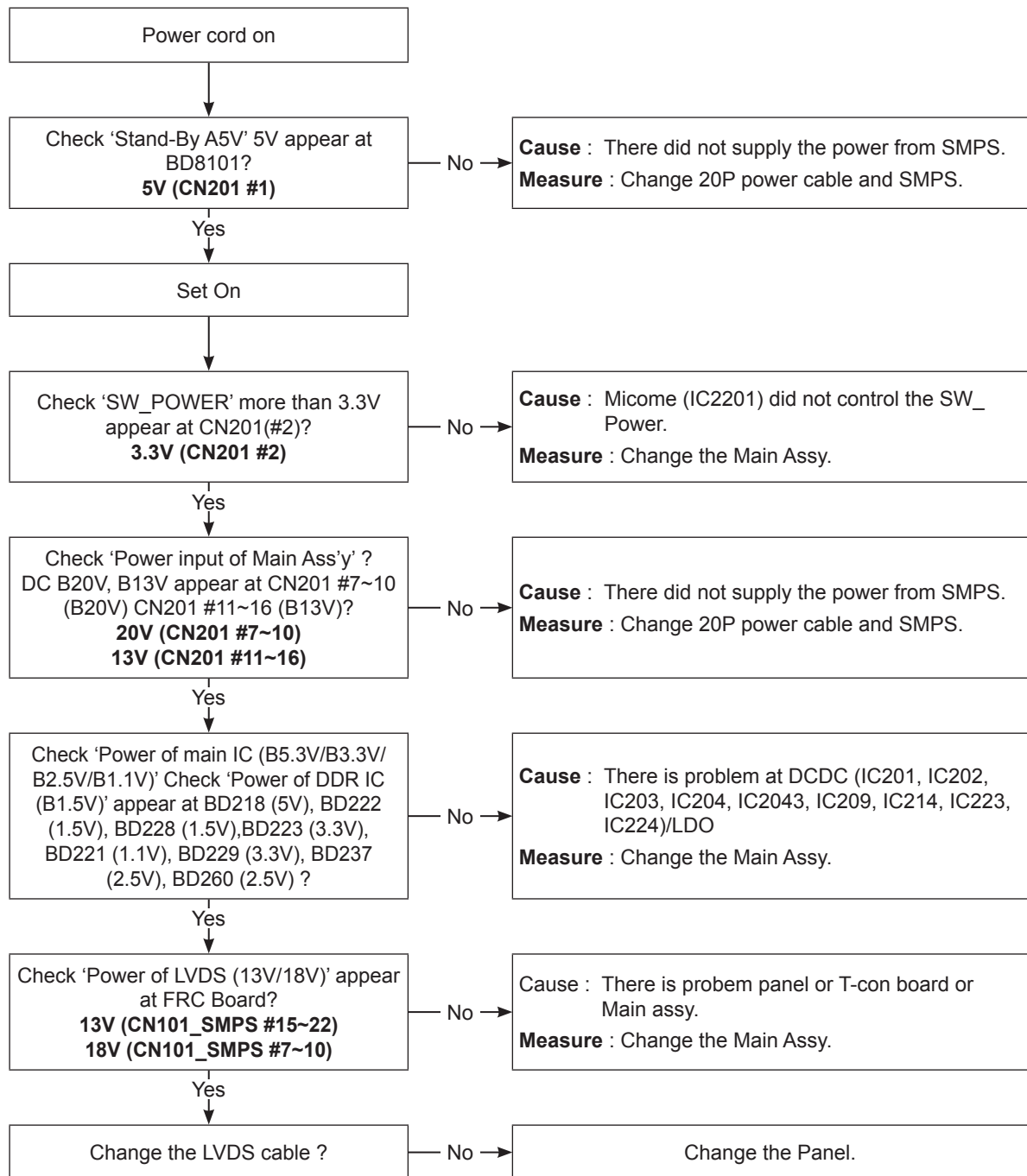
4. Select each type of pattern by toggling left and right and make sure that the patterns show properly.

4-1-2. Simple flow chart of malfunction

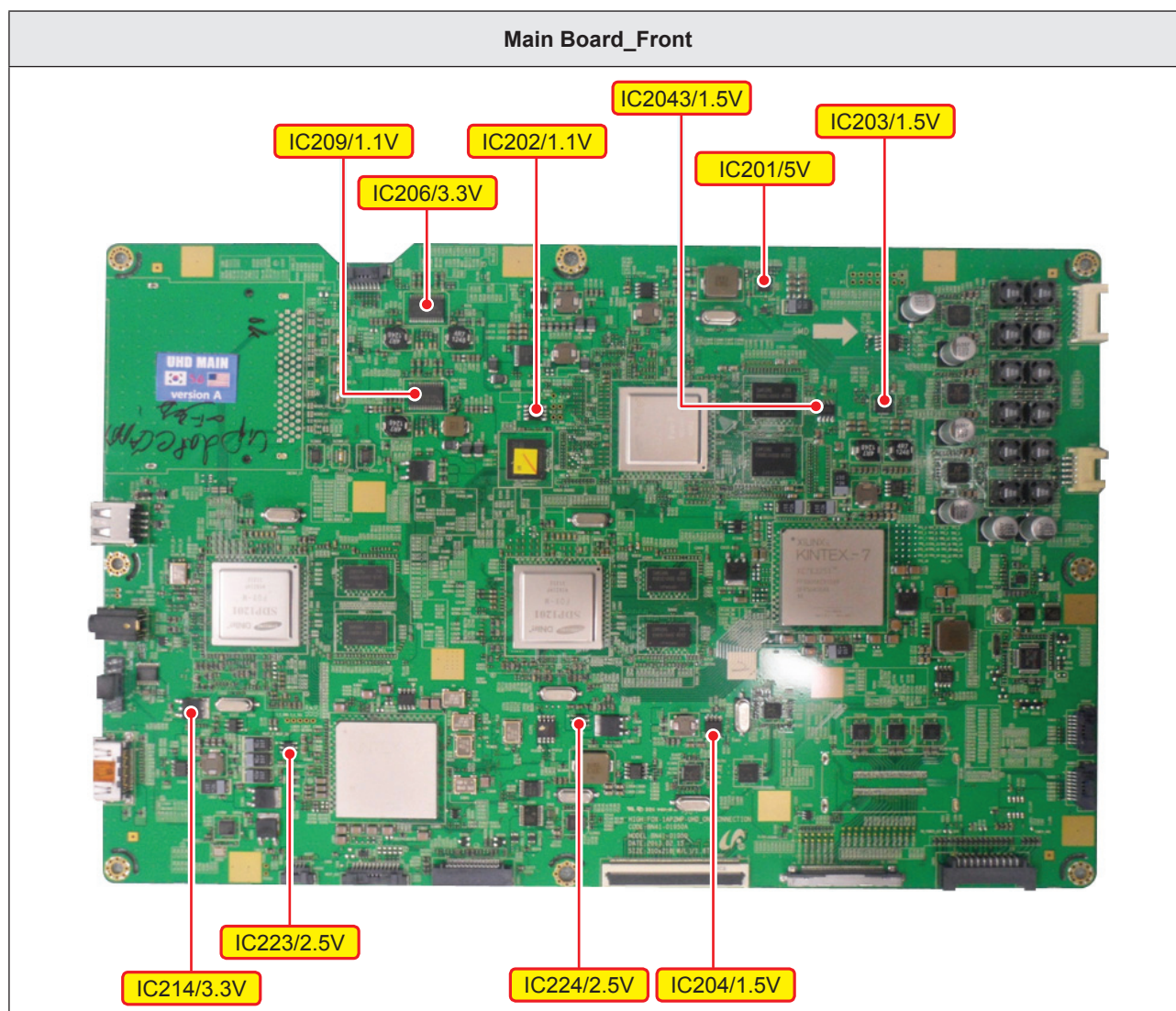


4-2. How to Check Fault Symptom

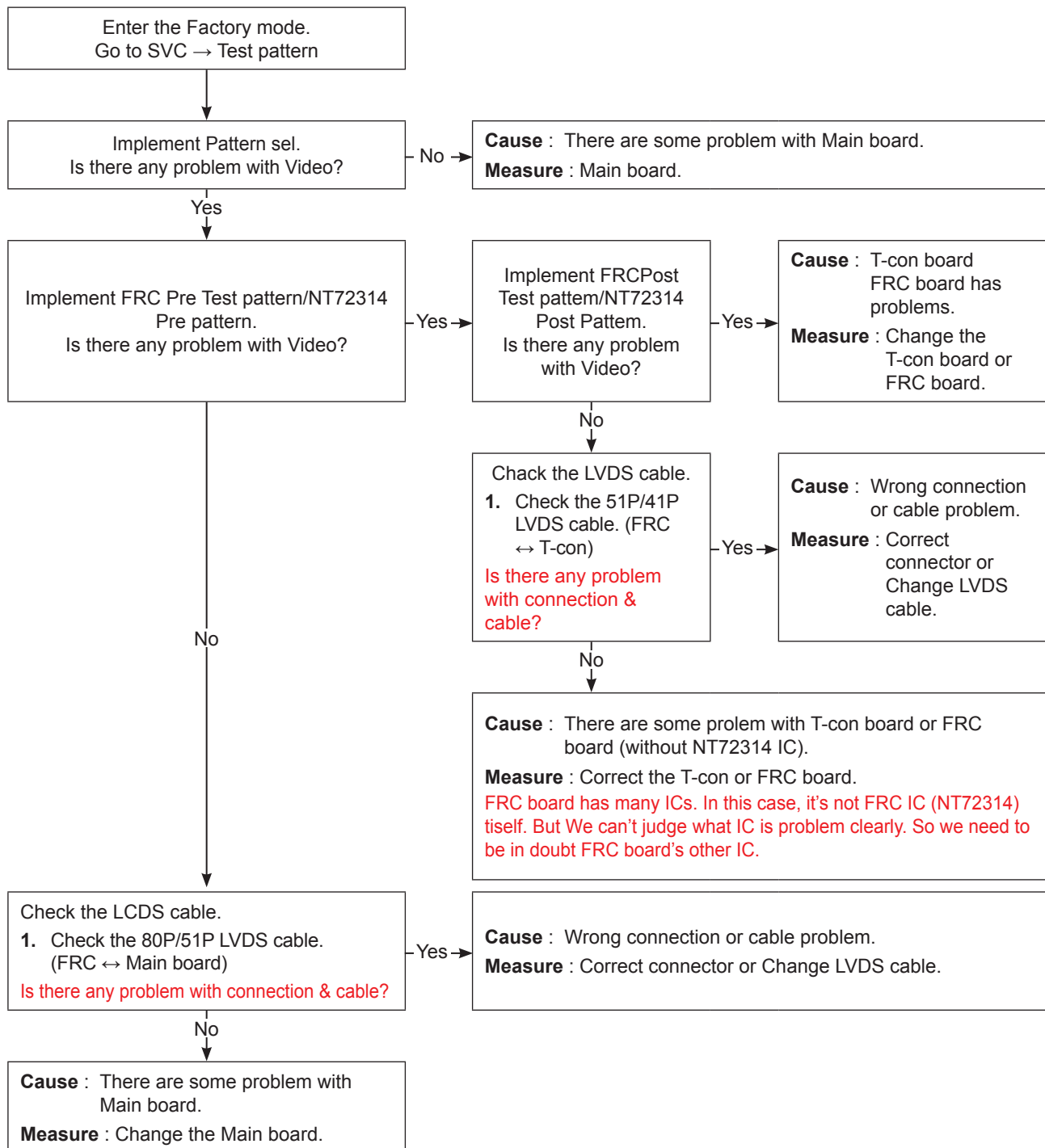
4-2-1. NO Power and No Video



■ Location of Parts



4-2-2. Video trouble shooting



NOTE

We can't supply to **T-CON test pattern**. Because there are many issues to produce test pattern for two T-con (Top and Bottom).

And we'll supply to Service like below.

- United service materal code: T-con (Top) + T-con (Bottom) + FRC board
- Reason: We can't separate T-CON & FRC board from Video problem easily. the best method is chang the both of FRC board & T-con board.

4-2-4. Problems and Solutions

■ Apps

There is something wrong with the TV.	Try this!
Some application content only appears in English. How can I change the language?	• The application content language may be different from the user interface language. • The ability to change the language depends on the service provider.
Some application services do not work.	• Check with the service provider. • Refer to the help section on the application service provider's website.

■ Photos, Videos & Music

There is something wrong with the TV.	Try this!
Some files can't be played back.	• This problem may occur with high-bitrate files. Most files can be played back, but you might experience problems with high-bitrate files.

■ Web Browser

1. Select Web Browser. The browsing screen may differ from the one on your computer.
2. The web browser is not compatible with Java applications.
3. You cannot download files. If you attempt to download a file, you will receive an error message instead.
4. The web browser may not be able to access certain websites.
5. Playing Flash videos may be restricted.
6. E-commerce for online purchases is not supported.
7. With websites that have scrollable windows, scrolling through such a window can result in corrupted characters.
8. ActiveX is not supported.
9. Certain options are not accessible in Link Browsing mode. (Switch to Pointer Browsing to activate this.)
10. Only a limited number of fonts are supported. Certain symbols and characters may not be displayed properly.
11. The response to remote commands and the resulting on-screen display may be delayed while a webpage is loading.
12. Loading a webpage may be delayed or suspended completely with certain operating systems.
13. The copy and paste operations are not supported.
14. When composing an email or a simple message, certain functions such as the font size and color selection may not be available.
15. There is a limit to the number of bookmarks and the size of the log file that can be saved.
16. The number of windows that can be opened concurrently varies depending on the search conditions and the TV model.
17. The web browsing speed will vary depending on the network environment.
18. Playing embedded video automatically disables PIP. Video playback may not commence after PIP is disabled. In this case, you will have to reload the page.
19. The web browser supports .mp3 audio files only.
20. The web browser supports a specific file format for importing and exporting bookmarks. (Compatible Format: Netscape-bookmarkfile- 1)
21. The folder tree information is not included when importing and exporting bookmarks.

4. Troubleshooting

- 22.** Exporting bookmarks to a USB device connected to the TV saves the bookmarks under a folder named "Samsung SmartTV Bookmark".
- 23.** If Clock (System > Time > Clock) has not been enabled, the browsing history will not be saved.
- 24.** The browsing history is saved in the order of latest to oldest, with the oldest entries being overwritten first.
- 25.** Depending on the types of video/audio codecs supported, it might not be possible to play back certain video and audio files during Flash playback.
- 26.** A sudden change in the picture brightness inside a video window may affect the brightness of the screen. This problem applies to PDP TVs only.
- 27.** Video sources from PC-optimized streaming service providers may not play properly on our proprietary web browser.
- 28.** Using the on-screen QWERTY keyboard automatically disables PIP. (Except when entering a URL.)

4-3. Factory Mode Adjustments

4-3-1. Detail Factory Option



NOTE

If you replace the main board with new one, please change the factory option as well.
The options you must change are "**Type**".

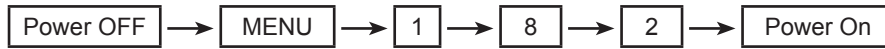
■ UN**F9000AFXZA

Inches		55"	65"
PANEL	Vendor	SEC	SEC
	Code	BN95-01152A	BN95-01153A
	Spec.	CY-KF550FSLV1V	CY-KF650FSLV1V
SMPS	Vendor	SEM	DONGYANG
	Code	BN44-00675A	BN44-00675B
	Spec.	L65D2L_DSM	L65D2L_DDY
MAIN ASSY	Chassis Ass'y	BN91-11396A	BN91-11396B
	PBA Ass'y	BN94-06669A	BN94-06669B
Byte	Item		
0	Factory Reset	-	-
1	Type	55A1UU9L	65A1UU9L
2	Local set	US	US
3	SW Model	UF9000	UF9000
4	BOM Model	9000	9000
5	Tuner	SI2190	SI2190
6	Ch table	NONE	NONE

4-3-2. Entering Factory Mode

To enter 'Service Mode' Press the remote -control keys in this sequence :

- If you do not have Factory remote control



- If you have Factory remote control



- If you don't have Factory remote control, can't control some menus. (Expert, Advanced menu)

Option	T-FXPAKUC-xxxx	Main SW Version
Control	T-FOXAUSS3-xxxx	Sub micom Version
Debug	BT Version :	Bluetooth Version
SVC	E-Manual : EPATSCE-xxxx	E-Manual Version
ADC/WB	Camera Version : x.xx	Camera Version
Advanced	Mic Version : x.xx	Camera(Mic) Version
	Blaster-Version : x.xx	IR Blaster Version
	EDID SUCCESS	
	CALIB : AV / COMP / PC / HDMI /	
	Option : xxxx xxxx xxx	
	CPLD/LD : T-FOXCPLD 0003	LD Version
	SDAL-FOXP-MAIN-xxxx-xxxx	
	RFS : "Fox.P 00xx" / 201x-xx-xx	
	KERNEL : xxx.xxxx./ Onboot : xxxx	
	DTP-DTVTD-xxxx	
	Backend IC[1], Data Ver : xxxx	FRC SW Version
	TCON Version: xxxx	TCON Version
	Model : xxxxxxxx	
	Wired MAC----	Condition of Wired Mac
	Wireless MAC----	Condition of Wireless Mac
	DRM : Crt O,Nf O,Wv O, Hc O, Dc O, Mx O, MI O	
	Factory Data Ver : xx	
	EERC Version : xx	
	DTP-BP-HAL-xxxx	
	DTP-BP-MW-xxxx	
	DTP-BP-APP-xxxx	
	Date of purchase : mm/dd/yyyy	

4-3-3. Factory Data

■ Option

Factory Menu Name	Data	Range
Factory Reset	-	
Type	55A1UU9L 65A1UU9L	
Local Set	US	
SW Model	UF9000	
BOM Model	9000	
TUNER	SI2190	
Ch Table	NONE	
MRT Option		
Front Color	U-MOIP	
LVDS FORMAT	JEIDA	
Language_Arabic	US	
Region	USA	
PnP Language	ENG_US	
WIFI REGION	S	
OTN Support	ON	
OTA Support	OFF	
TTX	OFF	
China HD	OFF	
NT Conversion	OFF	
Num of DTV	1	
Num of AV	1	
Num of COMP	1	
Num of HDMI	4	
Num of SCART	0	
Num of USB Port	3	
Num of HeadPhone	0	
Num of RVU	1	
Num of Display	2	
Num of IPTV	0	
Num of RUI	0	
Num of PVR RECORD	0	
TOOLS Support	40	
LNA Support	OFF	
24Px4 Support	OFF	

4. Troubleshooting

Factory Menu Name	Data	Range
BD Wise Support	ON	
Data Service Support	OFF	
PVR Support	OFF	
CI Support	OFF	
LEDMotionPlus Support	ON	
Natural Mode Support	ON	
Relax Mode Support	OFF	
HDMI/DVI SEL	4	
Select LCD/PDP	LCD	
Wall Mount	OFF	
HV Flip		HV Flip / H Filp / OFF
Light Effect	OFF	
e-Pop Default	1	
CAMERA Support	OFF	
NETWORK Support	3	
EcoSensor Support	ON	
3D Support	ON	
BT Support	ON	
BT ADDRESS		
Engineer Option		
Auto Power	MEMORY	
Type Of PANEL KEY	None	
5 Way Function Key	R BACK	
Contents Bar	OFF	
Cable Modulation	QAM	
Standby led on/off	OFF	
Recognition Support		
IF AGC	0	
D AGC	0	
PH BW	0	
FQ BW	0	
PH RATE	0	
PD EN	0	
PEQ Inx	0	
WF Scale		
WF Type	0	
Nu of Network Stream	1	

Factory Menu Name	Data	Range
DP V Size	0	
Backend Device	FOX-FT1	
BT_AUDIO_ON_OFF	OFF	
Config_AV_PATH		
ECO Standby	OFF	
Fast Logo Delay	0	
Num of PANEL KEY	6	

■ Control

Factory Menu Name	Data	Range
EDID		
EDID ON/OFF	OFF	
EDID WRITE ALL	...	
EDID WRITE HDMI	...	
EDID Ver	...	
EDID Port		
Sub Option		
RS-232 Jack	UART	Debug/UART
Watchdog	OFF	
Checksum	0x0000	
Fast Boot in Production	OFF	
USB Serial	OFF	
Eeprom Reset		
ECO IC TYPE	NONE	
Info Link Server Type	development	
Info Link Country	None	
TTX Group	-	
Visual Test	-	
MediaPlayDB	-	
OPTION_SWU		
OTN Server Type	operating	
OTN Test Server	OFF	
SWU Reset		
SWU Duration	OFF	
SWU Fail Test	OFF	
OPTION_NUM		
Num of ATV	1	

4. Troubleshooting

Factory Menu Name	Data	Range
Num of SVIDEO	0	
Num of PC	0	
Num of DVI	0	
Num of OPTICAL Link	1	
Num of MEDIA	1	
Num of Tuner	1	
Num of ISP	1	
RF Remocon Support	OFF	
CDD mode	-	
DPMS Support	OFF	
Num of IPTV CIP	0	
Num of CI	0	
Num of DECODER	0	
T-CON Device		
BOARD CONTROL	OFF	
HP LINE	LineOut	
RM		
Server Type	Operating	
RTS Mode	OFF	
PSA		
FKP Download1	0	
FKP Download2	0	
LMK threshold	3	
Low threshold	10	
High threshold	15	
CSB	ON	
CLB	ON	
PDP Option		
Pixel Shift Test	OFF	
Logic SW	0	
Panel Temperature	0	
LOGIC Waveform Day	0	
Logic CheckSum	0	
MRT	0	
SAPC Timer		
APC Speed		
Hotel Option		

Factory Menu Name	Data	Range
Hospitality Mode	OFF	
Power On	...	
Menu OSD	...	
Operation	...	
Music Mode	...	
External Source	...	
Eco Solution	...	
Cloning	...	
Shop Option		
Shop Mode	OFF	
Exhibition Mode	OFF	
3D Cube	OFF	
Asia Option		
Unbalance	OFF	
AF Level adjust	3	
TX Power Level	0	
Mono Last Memory	OFF	
H Shaking	OFF	
SOUND		
Carrier_Mute	OFF	
High Devi	OFF	
Speaker Delay Normal	0x6Eh	
SPDIF PCM Gain	-9dB	
FM M Prescale	0x30h	
FM Prescale	0x00h	
AM Prescale	0x32h	
NICAM Prescale	0x48h	
BTSC Mono Prescale	0x19h	
BTSC stereo Prescale	0x2Fh	
BTSC SAP Prescale	0x2Bh	
A2Ident High THID	31	
A2Ident Low THID	0	
Pilot Level High Thld	0x28h	
Pilot Level Low Thld	0x10h	
Carrier2 Amp High THID	4	
Carrier2 Amp Low THID	3	
Carrier2 SNR High THR	16	

4. Troubleshooting

Factory Menu Name	Data	Range
Carrier2 SNR Low THR	80	
Sig Error On	35	
Sig Error Off	41	
Amp Model	TAS5745	
Amp Volume	0xcbh	
Amp Scale	0x35h	
Amp Check Sum	0x000821B2	
Woofer Type	0	
Woofer Scale	0	
Woofer Check Sum	0x8ah	
Woofer Local EQ Checksum	0	
Speaker EQ	ON	
PEQ Test	Ready	
Local Speaker EQ	0	
Local EQ Checksum	0	
Speaker cut-off Ferq	4	
Audio-IP Test		
SRS Tuning Parm	0	
TruBass-Checksum	0	
Mic Scale	0	
Subwoofer Support	0	
India Sound	OFF	
AudioDock BT delay	50	
Wall Filter Type	0	
Wiselink Delay Menu	90	

■ Debug

Factory Menu Name	Data	Range
Spread Spectrum		
LVDS Spread	ON	
DDR Spread	1.0% Spectrum	
Period	30K	
Amplitude	1	
HD SSC ON/Off	ON	
HD SSC Value	1	
LVDS SSC ON/Off	ON	
LVDS SSC Value	0	

Factory Menu Name	Data	Range
DDR SSC ON/Off	ON	
DDR SSC Value	1	
FRC LVDS SSC ON/OFF	ON	
FRC LVDS SSC MRR	10	
FRC LVDS SSC MFR	1	
FRC LVDS SSC Period	1	
FRC LVDS SSC Modulation	1	
FRC DDR SSC ON/OFF	ON	
FRC DDR SSC MRR	15	
FRC DDR SSC MFR	1	
FRC DDR SSC Period	1	
FRC DDR SSC Modulation	1	
DDR Margin		
A CTRL_OFFSET_0_3	0x0	
A CTRL_OFFSET_D	0x0	
B CTRL_OFFSET_0_3	0x0	
B CTRL_OFFSET_D	0x0	
ND ADJ Support	OFF	
MICOM POWER OFF	OFF	
RF Mute Time	6ms	
CI+1.3	OFF	
FRC		
FRC FDISPLAY ON/OFF	0	
3D FDISPLAY ON/OFF	OFF	
PC Mode ON/OFF	OFF	
Tuner Margin	10	
MPEG Margin	1000	
H.264 Margin	8	
CAM Wait Time		
TS Clock deldy	0	
TCON_TEMP READ	0	
TEMP LAST	60	
DCC VERSION	0x0	
DCC CHK SEL	0	
DCC CHECK LOCAL	0x0	
DCC CHECK TOTAL	0x0	
MultACC Checksum	0	

4. Troubleshooting

Factory Menu Name	Data	Range
IIC Bus stop	OFF	
Tuner Status		
DVB		
SNR		
BER		
Signal Strength		
Bandwidth		
Frequency		
LNA Status		
FFT		
Modulation		
Code Rate		
GI		
Hier Modulation		
Frequency offset		
Timing offset		
AGC		
UCB		
PLL Type		
DEMOD Type		
TPS Lock		
RS Lock		
SSI		
SQI		
Firmware Version		
ISDB-T		
FFT Size_1		
Guard Interval_1		
Freq. Offset_1		
SNR_1		
IF AGC_1		
TMCC Lock_1		
TS Packer_1		
Master Lock_1		
A_Modulation_1		
A_Code Rate_1		
A_Timer InterLeave_1		

Factory Menu Name	Data	Range
A_Segments Num_1		
A_BER_1		
B_Modulation_1		
B_Code Rate_1		
B_Timer InterLeave_1		
B_Segments Num_1		
B_BER_1		
C_Modulation_1		
C_Code Rate_1		
C_Timer InterLeave_1		
C_Segments Num_1		
C_BER_1		

■ SVC

Factory Menu Name	Data	Range
Test Pattern		
Pattern Sel	OFF	
Logic Pattern Sel	...	
Logic Level Sel	...	
FRC Pre Test Pattern	0	
FRC Post Test Pattern	0	
FRC3D Fdisplay	OFF	
FRC3D PC Mode	OFF	
SOC TCON Test Pattern	0	
SOC TCON Pattern Level	255	
SOC TCON FRC Pattern	0	
HDMI WB Pattern	OFF	
HDMI Pattern Sel	0	
Parma Pre Test Pattern	0	
Parma Post Test Pattern	0	
Panel Display Time	0Hr	
SVC Info	0	
Delete S/N	0	
Upgrade		
T-CON Usb Download	Failute	
T-CON CheckSum	Error	
Logic Usb D/L	...	

4. Troubleshooting

Factory Menu Name	Data	Range
SUBMICOM UPGRADE	Failute	
BT UPGRADE		
BT FREPAIRING	ON	
Function Upgrade	Failute	
FRC3D FW Upgrade		
Camera Upgrade		
Mic Upgrade		
CPLD USB Download		
JP MICOM UPGRADE	Failute	
DP MICOM UPGRADE	Failute	
Jump Upgrade	Failute	
Smart Hub Reset	0	
ER Count		
WD Count	0	
AR Count	0	
WIFI ER Count	0	
BT ER Count	0	
HDMI Err Cnt	0	
Camera ER Count	0	
LOG(View Log)		
Select Log Type	NVRAM	
Log View	0	
Delete Log		
Debug Log Down		
Emergency Log Copy		
Self Diagnosis		
Loop Back		
LAN Test		
AV Audio Test		
DVIN Audio Test		
CVBS Test		
COMP Test		
USB HUB Test		
HDMI Test		
SCART Audio Test		
SCART CVBS Test		
SCART RGB Test		

Factory Menu Name	Data	Range
CPU		
DDR		
FLASH		
EEPROM		
Sound AMP		
HDMI Switch IC		
USB HUB IC		
WIFI		
LVDS		
T-CON/FRC		
PCB Test		
MOIP		
App Self Test		
Device self Test		
Voltage		
EcoSensor		
BT		
EXT Sound Inspection		
Woofer Sound Inspection	NONE	
ATV CH Inspection		
DTV CH Inspection		
Satellite CH Inspection		
IPERF	Stopped	
OPTION HDMI		
Expert		
DVB CI		
CAL Data Backup	...	
CAL Data Restore	...	

■ ADC/WB

Factory Menu Name	Data	Range
ADC		
AV Calibration	Success	
Comp Calibraion	Success	
PC Calibration	Success	
HDMI Calibration	Success	
ADC Result		

4. Troubleshooting

Factory Menu Name	Data	Range
1st_Y_GH	258	
1st_Y_GL	128	
1st_Cb_BH	...	
1st_Cb_BL	...	
1st_Cr_RH	...	
1st_Cr_RL	...	
2nd_R_L	132	
2nd_G_L	132	
2nd_B_L	132	
2nd_R_H	70	
2nd_G_H	70	
2nd_B_H	70	
White Balance		
R-Offset	128	
G-Offset	128	
B-Offset	128	
R-Gain	128	
G-Gain	128	
B-Gain	128	
WB_W2_R_Offset	128	
WB_W2_B_Offset	128	
WB_W2_R_Gain	164	
WB_W2_B_Gain	63	
WB_N_R_Offset	128	
WB_N_B_Offset	128	
WB_N_R_Gain	151	
WB_N_B_Gain	108	
MGA		
MGA On/Off	OFF	
R1_Gain	...	
B1_Gain	...	
G1_Gain	...	
R2_Gain	...	
B2_Gain	...	
G2_Gain	...	
R3_Gain	...	
B3_Gain	...	

Factory Menu Name	Data	Range
G3_Gain	...	
R4_Gain	...	
B4_Gain	...	
G4_Gain	...	
R5_Gain	...	
B5_Gain	...	
G5_Gain	...	
R6_Gain	...	
B6_Gain	...	
G6_Gain	...	
R7_Gain	...	
B7_Gain	...	
G7_Gain	...	
R8_Gain	...	
B8_Gain	...	
G8_Gain	...	
R9_Gain	...	
B9_Gain	...	
G9_Gain	...	
R10_Gain	...	
B10_Gain	...	
G10_Gain	...	

4-4. White Balance

4-4-1. Calibration

1. Into the Factory Mode.
2. Select **ADC/WB** menu.
3. Select **ADC** menu.

Option	AV Calibration
Control	Comp Calibration
Debug	PC Calibration
SVC	HDMI Calibration
ADC/WB	
Advanced	

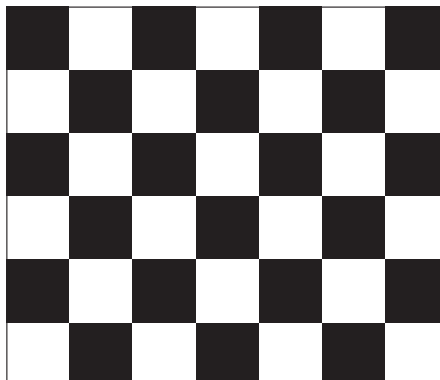
4-4-2. Service Adjustment

You must perform Calibration in the Lattice Pattern before adjusting the White Balance.

■ Color Calibration

- Adjust Specification

Source	Setting Mode	Pattern	Use Equipment
HDMI	1280 x 720@60 Hz	Pattern #24 (Chess Pattern)	CA210 & Master MSPG925 Generator



(Chess Pattern)

- Use other equipment only after comparing the result with that of the Master equipment.

Input mode	Calibration	Pattern
CVBS IN (Model_#1)	Perform in NTSC B&W Pattern #24	Lattice
Component IN (Model_#6)	Perform in 720p B&W Pattern #24	Lattice
HDMI IN	Perform in 720p B&W Pattern #24	Lattice

Method of Color Calibration (AV)

1. Apply the NTSC Lattice (N0. 3) pattern signal to the AV IN 1 port.
2. Press the Source key to switch to "AV1" mode.
3. Enter Service mode.
4. Select the "ADC" menu.
5. Select the "AV Calibration" menu.
6. In "AV Calibration Off" status, press the "▶" key to perform Calibration.
7. When Calibration is complete, it returns to the high-level menu.
8. You can see the change of the "AV Calibration" status from Failure to Success.

Method of Color Calibration (Component)

1. Apply the 720p Lattice (N0. 6) pattern signal to the Component IN 1 port.
2. Press the Source key to switch to "Component1" mode.
3. Enter Service mode.
4. Select the "ADC" menu.
5. Select the "Comp Calibration" menu.
6. In "Comp Calibration Off" status, press the "▶" key to perform Calibration.
7. When Calibration is complete, it returns to the high-level menu.
8. You can see the change of the "Comp Calibration" status from Failure to Success.

Method of Color Calibration (PC)

1. Apply the VESA XGA Lattice (N0. 21) pattern signal to the PC IN port.
2. Press the Source key to switch to "PC" mode.
3. Enter Service mode.
4. Select the "ADC" menu.
5. Select the "PC Calibration" menu.
6. In "PC Calibration Off" status, press the "▶" key to perform Calibration.
7. When Calibration is complete, it returns to the high-level menu.
8. You can see the change of the "PC Calibration" status from Failure to Success.

Method of Color Calibration (HDMI)

1. Apply the 720p Lattice (N0. 6) pattern signal to the HDMI1/DVI IN port.
2. Press the Source key to switch to "HDMI1" mode.
3. Enter Service mode.
4. Select the "ADC" menu.
5. Select the "HDMI Calibration" menu.
6. In "HDMI Calibration Off" status, press the "▶" key to perform Calibration.
7. When Calibration is complete, it returns to the high-level menu.
8. You can see the change of the "HDMI Calibration" status from Failure to Success.

4-4-3. Adjustment

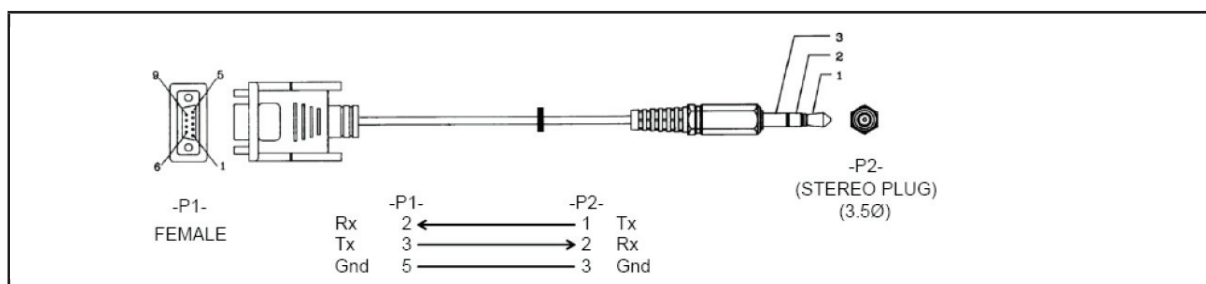
- 1. Into the Factory Mode.
- 2. Select **ADC/WB** menu.
- 3. Select **White Balance** menu.

Option			
Control			
Debug			
SVC		(Low Light)	(Hight Light)
ADC/WB	White Balance	Sub Brightness	Sub Contrast
Advanced		R offset	R gain
		G offset	G gain
		B offset	B gain

4-5. RS-232C

- **RS232C Control**

- Port : COM#(Serial)
- Bit rate : 115200
- Data Bit : 8 bit
- Parity : None
- Stop Bits : 1
- Flow Control : None



- **Description of RS232C**

Pin#	Name	Full Name	Pin#	Name	Full Name	Pin#	Name	Full Name
1	CD	Carrier Detect	4	DTR	Data Terminal Ready	7	RTS	Request To Send
2	RxD	Received Data	5	GND	Signal Ground	8	CTS	Clear To Send
3	TxD	Transmitted Data	6	DSR	Data Set Ready	9	RI	Ring Indicator

4-6. AV Control Tab

Control Item				Cmd1	Cmd2	Cmd3	Value
General	Power	Power		0x00	0x00	0x00	0x00
		Off					0x01
		On					0x02
	Volume	Direct		0x01	0x00	0x00	(0~100)
		Up				0x01	0x00
		Down				0x02	0x00
	Mute			0x02	0x00	0x00	0x00
		Ch.	Direct	0x04	-		
			Continuous	0x03	0x00	0x01	0x00
			Down			0x02	0x00

Control Item				Cmd1	Cmd2	Cmd3	Value
Input	Source List	TV	TV	0x0a	0x00	0x00	0x00
		AV	AV1			0x01	0x00
			AV2				0x01
			AV3				0x02
		S-Video	S-Video1			0x02	0x00
			S-Video2				0x01
			S-Video3				0x02
		Component	Component1			0x03	0x00
			Component2				0x01
			Component3				0x02
		PC	PC1			0x04	0x00
			PC2				0x01
			PC3				0x02
		HDMI	HDMI1			0x05	0x00
			HDMI2				0x01
			HDMI3				0x02
			HDMI4				0x03
		DVI	DVI1			0x06	0x00
			DVI2				0x01
			DVI3				0x02

Control Item				Cmd1	Cmd2	Cmd3	Value
PICTURE	Mode	Dynamic(Entertain)		0x0b	0x00	0x00	0x00
		Standard					0x01
		Movie					0x02
		Natural					0x03

Control Item				Cmd1	Cmd2	Cmd3	Value	
PICTURE	Mode	CAL-NIGHT					0x04	
		CAL-DAY					0x05	
		BD Wise					0x06	
		Relax					0x07	Only for PDP
	BackLight (CellLight)		0~20		0x01	0x00	(0~20)	
	Contrast		0~100		0x02	0x00	(0~100)	
	Brightness		0~100		0x03	0x00	(0~100)	
	Sharpness		0~100		0x04	0x00	(0~100)	
	Color		0~10		0x05	0x00	(0~100)	
	Tint	G/R			0x06	0x00	(0~100)	
	Advanced Settings	Black Tone	Off		0x07	0x00	0x00	
			Dark				0x01	
			Darker				0x02	
			Darkest				0x03	
		Dynamic Contrast	Off			0x01	0x00	
			Low				0x01	
			Medium				0x02	
			High				0x03	
		Shadow Detail	-2 ~ 2			0x02	(-2~2)	Not support
		Gamma	-3 ~ 3			0x03	(-3~3)	
		RGB Only Mode	Off			0x05	0x00	
			Red				0x01	
			Green				0x02	
			Blue				0x03	
		Color Space	Auto			0x06	0x00	
			Native				0x01	
			Custom				0x02	
		White Balance	R-Offset(LCD)			0x07	(0~50)	
		White Balance	G-Offset(LCD)			0x08	(0~50)	
		White Balance	B-Offset(LCD)			0x09	(0~50)	
		White Balance	R-Gain(LCD)			0x0a	(0~50)	
		White Balance	G-Gain(LCD)			0x0b	(0~50)	
		White Balance	B-Gain(LCD)			0x0c	(0~50)	
		White Balance	Reset(LCD)			0x0d	0x00	
		Flesh Tone	-15 ~ 15			0x0e	(-15~15)	
		Edge Enhancement	Off			0x0f	0x00	Not support
			On				0x01	

4. Troubleshooting

Control Item				Cmd1	Cmd2	Cmd3	Value	
PICTURE		xvYCC	Off			0x10	0x00	Only for active Color Space Custom Only for active Color Space Custom Only for active Color Space Custom Only for active Color Space Custom
			On				0x01	
		Motion Lighting	Off			0x11	0x00	
			On				0x01	
		Color Space Custom Color	Red			0x12	0x00	
			Green				0x01	
			Blue				0x02	
			Yellow				0x03	
			Cyan				0x04	
			Magenta				0x05	
		Color Space Custom Color Red Value	0~100			0x13	0~100	
		Color Space Custom Color Green Value	0~100			0x14	0~100	
		Color Space Custom Color Blue Value	0~100			0x15	0~100	
		LED Motion Plus	Off		0x0a	0x07	0x00	
			On(Normal)				0x01	
			Cinema				0x02	
			Ticker				0x03	
	Picture Option	Color Tone	Cool		0x0a	0x00	0x00	
			Standard				0x01	
			Warm1				0x02	
			Warm2				0x03	
		Digital Noise Filter	Off			0x02	0x00	
			Low				0x01	
			Medium				0x02	
			High				0x03	
			Auto				0x04	
			Auto Visualization				0x05	
		MPEG Noise Filter	Off			0x03	0x00	
			Low				0x01	
			Medium				0x02	
			High				0x03	
			Auto				0x04	
		HDMI Black Level	Normal			0x04	0x00	
			Low				0x01	

Control Item				Cmd1	Cmd2	Cmd3	Value
PICTURE		Film Mode	Off			0x05	0x00
			Auto1				0x01
			Auto2				0x02
			Cinema Smooth				0x03
		Auto Motion Plus	Off			0x06	0x00
			Clear				0x01
			Standard				0x02
			Smooth				0x03
			Custom				0x04
			Demo				0x05
	Screen Adjustment	Picture Size	16:9	0x0b	0x0a	0x01	0x00
			Zoom1				0x01
			Zoom2				0x02
			Wide Fit				0x03
			4:3				0x04
			Screen Fit				0x05
			Smart View I				0x06
			Smart View II				0x07
			Auto Wide				0x08
			Wide Zoom				0x09
			Zoom				0x0a
	Reset Picture	Reset Picture		0x0b	0x0b	0x00	0x00
	3D	3D Mode	Off	0x0b	0x0c	0x00	0x00
			2D → 3D				0x01
			Side By Side				0x02
			Top Bottom				0x03
			Line By Line				0x04
			Vertical Line				0x05
			Checker BD				0x06
			Frame Sequence				0x07
		3D → 2D	Off			0x01	0x00
			On				0x01
		3D View Point				0x02	(-5~5)
		Depth				0x03	(1~10)
		3D Auto View	Off			0x05	0x00

Only for PDP

Only for DVB

4. Troubleshooting

Control Item				Cmd1	Cmd2	Cmd3	Value
		3D Auto View	Message Notice				0x01
			On				0x02

Control Item				Cmd1	Cmd2	Cmd3	Value
Sound	Sound Mode	Standard		0x0c	0x00	0x00	0x00
		Music					0x01
		Movie					0x02
		Clear Voice					0x03
		Amplify					0x04
Sound	Equalizer	Balance			0x01	0x00	(0~20)
		100hz				0x01	(0~20)
		300hz				0x02	(0~20)
		1khz				0x03	(0~20)
		3khz				0x04	(0~20)
		10khz				0x05	(0~20)
		Reset				0x06	0x00
	SRS TruSurround HD (echo)	Off			0x02	0x00	0x00
	Virtual Surround (echo)	On					0x01
	SRS TruDialog (echo)	Off			0x03	0x00	0x00
	Dialog Clarify (X9)	On					0x01
	Preferred Language	English			0x04	0x00	0x00
		Spanish					0x01
		French					0x02
		Korean					0x03
		Japanese					0x04
	Multi-Track Sound	Mono			0x05	0x00	0x00
		Stereo					0x01
		SAP					0x02
	Auto Volume	Off			0x06	0x00	0x00
		ON					0x01
		Night					0x02
	Speaker Select	TV Speaker			0x07	0x00	0x00
		External Speaker					0x01

Control Item				Cmd1	Cmd2	Cmd3	Value
	Sound Select	Main			0x08	0x00	0x00
		Sub					0x01
	Sound Reset	Sound Reset			0x09	0x00	0x00
	3D Audio	Off			0x0a	0x00	0x00
		Low					0x01
		Medium					0x02
		High					0x03
	Auto Stereo	Manual			0x0b	0x00	0x00
		Auto					0x01

Only for korea model

Control Item				Cmd1	Cmd2	Cmd3	Value
KEY	Key Generation			0x0d	0x00	0x00	refer to table
OSD	Show/Hide Control	Show		0x0e	0x00	0x00	0x00
		Hide					0x01
Get Status	Power (On/Off)			0xf0	0x00	0x00	0x00
	Volume(0~100)			0xf0	0x01	0x00	0x00
	Mute (On/Off)			0xf0	0x02	0x00	0x00
	Channel Number			0xf0	0x03	0x00	0x00
	Source (TV/AV/.../HDMI/...)			0xf0	0x04	0x00	0x00
	Picture Size			0xf0	0x05	0x00	0x00
	3D (On/Off)			0xf0	0x06	0x00	0x00
	Picture Mode			0xf0	0x07	0x00	0x00
	Sound Mode			0xf0	0x08	0x00	0x00

Key value	Value
Up	96 (0x60)
Down	97 (0x61)
Left	101 (0x65)
Right	98 (0x62)
Menu	26 (0x1A)
Internet	147 (0x93)
Enter(OK)	104 (0x68)
EXIT	45 (0x2D)

4-7. Software Upgrade

Software Upgrade can be performed by downloading the latest firmware from samsung.com to a USB memory device.

- Current Version - The software already installed in the TV.

Software is represented as 'Year/Month/Day_Version'.

4-7-1. How to Check the Software Version

■ Use the Main Menu

1. Click the "MENU" key in remote controller.
2. Select "Support" menu.
3. Locate the menu cursor "Software Upgrade" menu.
4. Click the "INFO" key.
 - Check the Main SW and Micom version.

■ Use the Factory Mode

Option
Control
Debug
SVC
ADC/WB
Advanced

```
T-FXPAKUC-xxxx
T-FOXAUSS3-xxxx
BT Version :
E-Manual : EPATSCE-xxxx
Camera Version : x.xx
Mic Version : x.xx
Blaster-Version : x.xx
EDID SUCCESS
CALIB : AV / COMP / PC / HMDI /
Option : xxxx xxxx xxx
CPLD/LD : T-FOXCPLD 0003
```

4-7-2. How to Upgrade Software

1. Insert a USB drive containing the firmware upgrade downloaded from samsung.com into the TV.

**NOTE**

Please be careful not to disconnect the power or remove the USB drive while upgrades are being applied.

2. The TV will turn off and turn on automatically after completing the firmware upgrade.
3. Please check the firmware version after the upgrades are complete.
 - the new version will have a higher number than the older version.

**NOTE**

- When software is upgraded, video and audio settings you have made will return to their default (factory) settings.
- We recommend you write down your settings before beginning firmware update.

4. After update is completed, restore your previous settings.

■ Main Software Upgrade

1

Store the sw program named "**T-FXPAKUC**" in USB memory stick.

2

Click the "**MENU**" key in Remote Controller.

3

Select "**Support - Software Update - Update Now**" menu.

4

- Click the "**ENTER**" key.
- Wait for upgrade complete.
 - Check the Software Version.

■ Sub Software Upgrade

USB Download

1. After Main Software upgrade, Enter the Factory menu by below method.

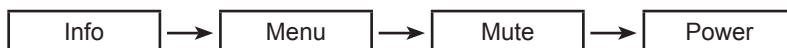
– Factory Remocon

- Click the Remocon button continuedly. (Info key+ Factory key)



– Nomal Remocon

- ❶ Turn off the TV. → ❷ Click the Remocon button continuedly.



2. Select the “SVC”.

Option
Control
Debug
SVC
ADC/WB
Advanced

3. Select the “SUBMICOM UPGRADE”.

Test pattern		DCC CHK SEL	0
Panel Display Time	1Hr	DCC CHECK LOCAL	0x0
Tuner Status		DCC CHECK TOTAL	
T-CON Usb Download	Failure	Fuction Upgrade	off
T-CON CheckSum	Error	Smart Hub Reset	off
Tuner Margin	10	WIFI ER COUNT	0
TS Clock delay	0	BT ER COUNT	0
SUBMICOM UPGRADE	off	Debug Log Down	
BT ADDRESS	0000	MultitACC Checksum	Error
BT UPGRADE		SVC Info	
BT FREEPAIRING	ON	TS Clock delay TC	0
SVC Reset		TS Clock delay S	0
TCON_TEMP READ	0.00	CAL Data Backup	
TEMP LAST	60.00	CAL Data Restore	
DCC VERSION	0x0		

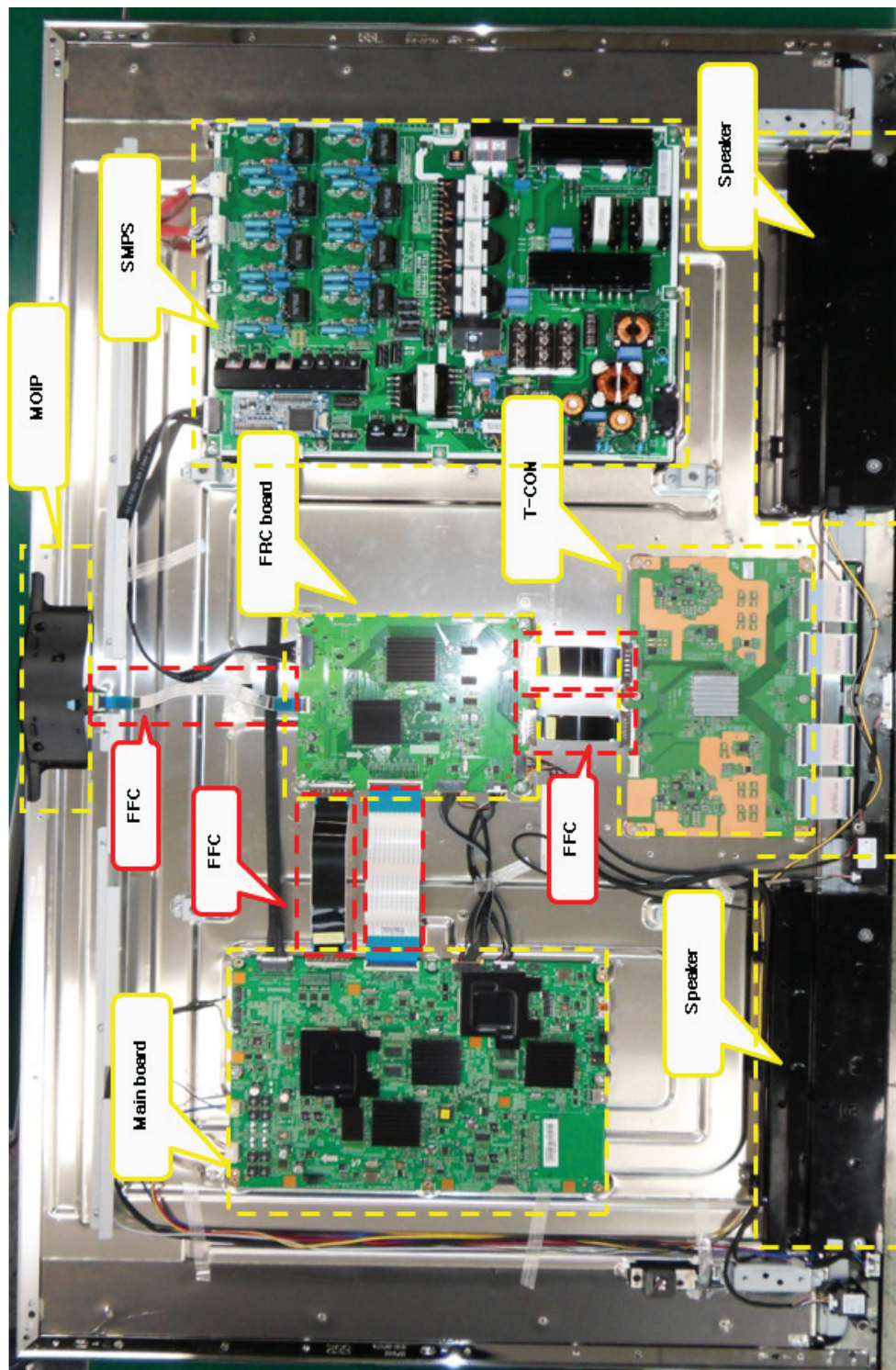
4. Click the “→” remocon key.

SUBMICOM UPGRADE	Wait
-------------------------	------

- Wait for upgrade complete.
- Check the Software version.

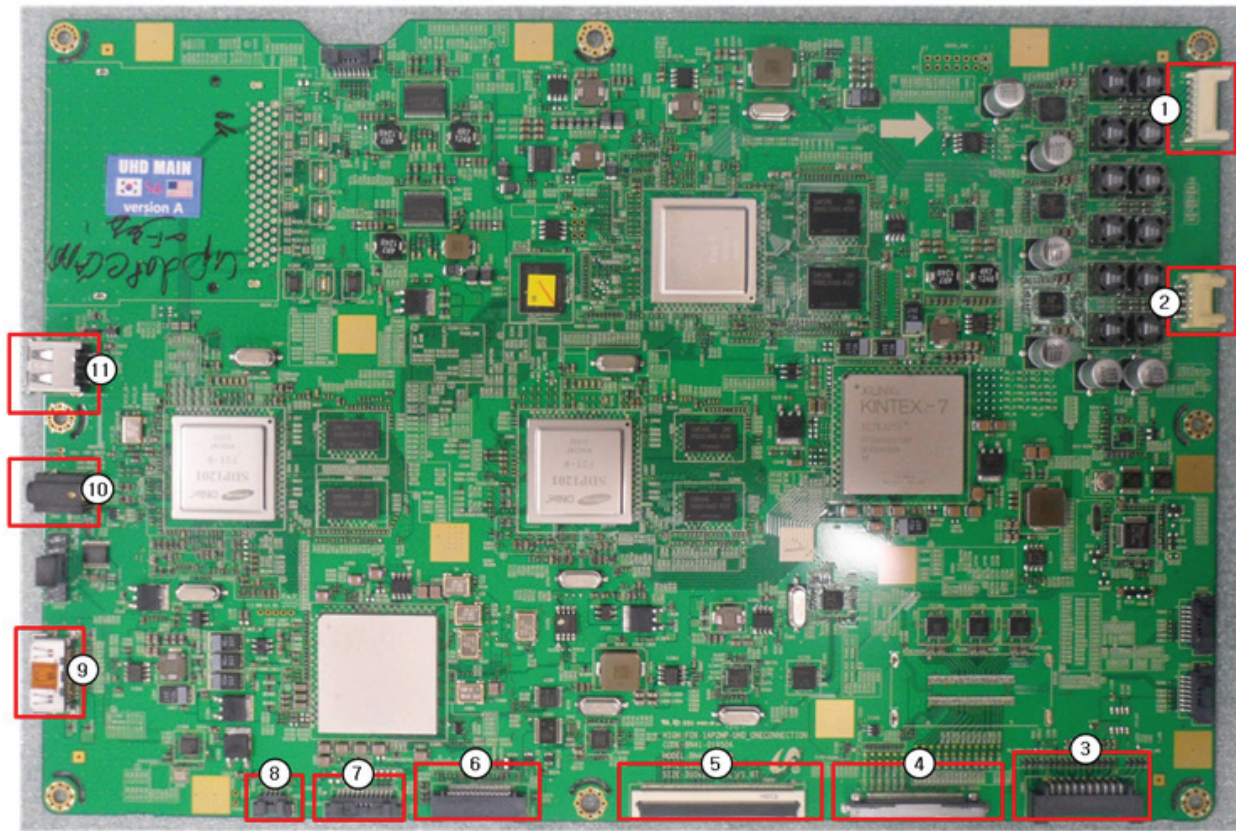
5. Wiring Diagram

5-1. Wiring Diagram



5-2. Connector

5-2-1. Main Board



① CN302(SPEAKER_TOP/BOTTOM)

1	BOTTOM_R+	5	TOP_R1+
2	BOTTOM_R-	6	TOP_R1-
3	BOTTOM_L+	7	TOP_L1+
4	BOTTOM_L-	8	TOP_L1-

② CN401(AUDIO WOOFER)

1	WF_R+	4	WF_L-
2	WF_R-	5	NC
3	WF_L+		

③ CN201(POWER)

1	A5.3V_PW	11	B13V_PW
2	N.C	12	B13V_PW
3	GND	13	B13V_PW
4	GND	14	B13V_PW
5	N.C	15	B13V_PW
6	GND	16	B13V_PW
7	B20VS_PW	17	GND
8	B20VS_PW	18	GND
9	B20VS_PW	19	GND
10	B20VS_PW	20	GND

④ CN3501(LVDS)			
1	N.C	27	LVDS_EVEN_TX0-
2	DGND	28	DGND
3	NT314_SDA	29	LVDS_ODD_TX4+
4	N.C	30	LVDS_ODD_TX4-
5	NT314_SCL	31	LVDS_ODD_TX3+
6	N.C	32	LVDS_ODD_TX3-
7	DCDC_EN0	33	DGND
8	SDA_PANEL	34	TLVDS_ODD_TXCLK+
9	PANEL_I2C_SW	35	LVDS_ODD_TXCLK-
10	EMIITER_BT_SYNC_OUT	36	DGND
11	REF_SYNC_IN	37	LVDS_ODD_TX2+
12	SCL_PANEL	38	LVDS_ODD_TX2-
13	DGND	39	LVDS_ODD_TX1+
14	LVDS_EVEN_TX4+	40	LVDS_ODD_TX1-
15	LVDS_EVEN_TX4-	41	LVDS_ODD_TX0+
16	LVDS_EVEN_TX3+	42	LVDS_ODD_TX0-
17	LVDS_EVEN_TX3-	43	DGND
18	DGND	44	DGND
19	LVDS_EVEN_TXCLK+	45	DGND
20	LVDS_EVEN_TXCLK-	46	N.C
21	DGND	47	N.C
22	LVDS_EVEN_TX2+	48	LD_SCL
23	LVDS_EVEN_TX2-	49	N.C
24	LVDS_EVEN_TX1+	50	LD_SDA
25	LVDS_EVEN_TX1-	51	N.C
26	LVDS_EVEN_TX0+		

⑤ CN3301(UHD LVDS)			
1	N.C	41	N.C
2	LR_STG	42	N.C
3	NT314 S BS0	43	CH5E4+
4	N.C	44	CH5E4-
5	NT314 M BS0	45	CH5E3+
6	N.C	46	CH5E3-
7	N.C	47	N.C
8	N.C	48	CH5ECLK+
9	CH6E4+	49	CH5ECLK-
10	CH6E4-	50	N.C
11	CH6E3+	51	CH5E2+
12	CH6E3-	52	CH5E2-
13	N.C	53	CH5E1+
14	CH6ECLK+	54	CH5E1-
15	CH6ECLK-	55	CH5E0+
16	N.C	56	CH5E0-
17	CH6E2+	57	N.C
18	CH6E2-	58	N.C
19	CH6E1+	59	CH5O4+
20	CH6E1-	60	CH5O4-
21	CH6E0+	61	CH5O3+
22	CH6E0-	62	CH5O3-
23	N.C	63	N.C
24	N.C	64	CH5OCLK+
25	CH6O4+	65	CH5OCLK-
26	CH6O4-	66	N.C
27	CH6O3+	67	CH5O2+
28	CH6O3-	68	CH5O2-
29	N.C	69	CH5O1+
30	CH6OCLK+	70	CH5O1-
31	CH6OCLK-	71	CH5O0+
32	N.C	72	CH5O0-
33	CH6O2+	73	N.C
34	CH6O2-	74	N.C
35	CH6O1+	75	N.C
36	CH6O1-	76	NT314 NRESET
37	CH6O0+	77	N.C
38	CH6O0-	78	PANEL PMIC EN
39	N.C	79	N.C
40	N.C	80	TEMP SEL

5. Wiring Diagram

6 CN2201(KEY FUNCTION & BLUETOOTH & WIFI)

1	BT_NRESET	14	REF_SYNC_IN
2	WAKE_BT	15	DSCL_3.3V
3	POWER_DET	16	GND
4	A5V_PW	17	DSDA_3.3V
5	A3.3V_PW	18	B5V_MODULE_PW
6	MODULE_DP2	19	B5V_MODULE_PW
7	LED_CNTR	20	MODULE_DM
8	MODULE_DM2	21	B5V_MODULE_PW
9	IR	22	MODULE_DP
10	GND	23	B5V_MODULE_PW
11	GND	24	GND
12	EMITTER_BT_SYNC_BUFF	25	GND
13	A3.3_PW	26	USB2_NRESET

7 CN601(MOIP)

1	A5V_MOIP_PW	7	KITE_I2STX_BCLK
2	A5V_MOIP_PW	8	DGND
3	A5V_MOIP_PW	9	KITE_I2STX_LRCLK
4	DGND	10	KITE_I2STX_DATA1
5	WOV	11	KITE_I2STX_DATA3
6	AIT_RESET	12	KITE_I2STX_DATA2

8 CN2202 (SUBMICOM SW DOWNLOAD & POWER BUTTON)

1	KEY_INPUT1	3	SDA_DOWN
2	SCL_DOWN	4	DGND

9 CN3702(SERDES)

1	B3.3_PW	14	SERSES_FW1_N
2	GCLK1_P	15	GND
3	GND	16	SERSES_FW0_P
4	SERSES_BW0_P	17	SERSES_FW0_N
5	SERSES_BW0_N	18	GND
6	GND	19	N.C
7	SERSES_FW3_P	20	N.C
8	SERSES_FW3_N	21	A5V_PW
9	GND	22	TX_MICOM_JACK
10	SERSES_FW2_P	23	RX_MICOM_JACK
11	SERSES_FW2_N	24	GCLK0_P
12	GND	25	B13V_PW_1
13	SERSES_FW1_P	26	B13V_PW_1

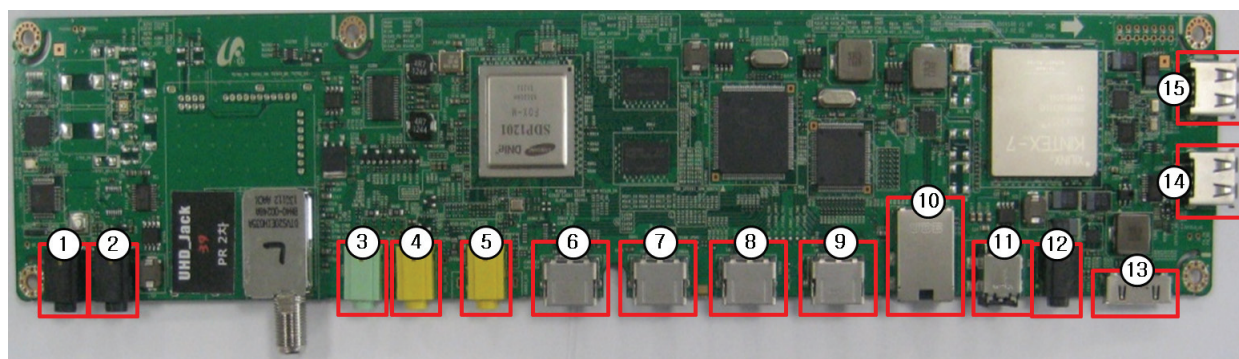
10 CN601(AV-LINK / RS232C)

1	DGND	5	N.C
2	FA_TX	6	IDENT_FANET
3	FA_RX	7	DGND
4	N.C		

11 CN1902(USB3)

1	USB3_VCC_5V_PW	3	FOXAP_USB3_DP
2	FOXAP_USB3_DM	4	DGND

5-2-2. Jack Pin Board

**① CN2402_IRB(IR_OUT)**

1	DGND	5	NC
2	IRB_IR_TX	6	IRB_JACK_ID
3	NC	7	DGND
4	NC		

② CN301(HEADPHONE / LR_OUT)

1	DGND	5	TEST_SR
2	HP_AUD_SL_OUT	6	IDENT_HP
3	HP_SUD_SR_OUT	7	DGND
4	TEST_SL		

③ CN404(COMPONENT)

1	DGND	5	TEST_PB
2	COMP_Y	6	TEST_PR
3	COMP_PB	7	COMP_PR
4	TEST_CVBS_Y3		

④ CN405(AV-LINK)

1	DGND	5	TEST_SR
2	AV1_CVBS	6	TEST_SL
3	COMP_AV1_SR_IN	7	COMP_AV1_SL_IN
4	IDENT_AV1		

⑤ CN501_UBA(AV-LINK2)

1	DGND	5	TEST_SR
2	AV1_CVBS	6	TEST_SL
3	COMP_AV1_SR_IN	7	COMP_AV1_SL_IN
4	IDENT_AV1		

⑥ CN601(HDMI 4/MHL)

1	HDMI3_RX2+	11	DGND
2	DGND	12	HDMI3_RXCLK-
3	HDMI3_RX2-	13	HDMI_CEC
4	HDMI3_RX1+	14	DGND
5	DGND	15	HDMI3_DDC_SCL
6	HDMI3_RX2-	16	HDMI3_DDC_SDA
7	HDMI3_RX0+	17	DGND
8	DGND	18	HDMI3_5V
9	HDMI3_RX0-	19	HDMI3_HPD
10	HDMI3_RXCLK+		

⑦ CN603(HDMI 2/DVI_PC)

1	HDMI4_RX2+	11	DGND
2	DGND	12	HDMI4_RXCLK-
3	HDMI4_RX2-	13	HDMI_CEC
4	HDMI4_RX1+	14	DGND
5	DGND	15	HDMI4_DDC_SCL
6	HDMI4_RX2-	16	HDMI4_DDC_SDA
7	HDMI4_RX0+	17	DGND
8	DGND	18	HDMI4_5V
9	HDMI4_RX0-	19	HDMI4_HPD
10	HDMI4_RXCLK+		

⑧ CN602(HDMI 3/ARC)

1	HDMI2_RX2+	11	DGND
2	DGND	12	HDMI2_RXCLK-
3	HDMI2_RX2-	13	HDMI_CEC
4	HDMI2_RX1+	14	DGND
5	DGND	15	HDMI2_DDC_SCL
6	HDMI2_RX2-	16	HDMI2_DDC_SDA
7	HDMI2_RX0+	17	DGND
8	DGND	18	HDMI2_5V
9	HDMI2_RX0-	19	HDMI2_HPD
10	HDMI2_RXCLK+		

5. Wiring Diagram

9 CN601(HDMI 4/MHL)			
1	HDMI3_RX2+	11	DGND
2	DGND	12	HDMI3_RXCLK-
3	HDMI3_RX2-	13	HDMI_CEC
4	HDMI3_RX1+	14	DGND
5	DGND	15	HDMI3_DDC_SCL
6	HDMI3_RX2-	16	HDMI3_DDC_SDA
7	HDMI3_RX0+	17	DGND
8	DGND	18	HDMI3_5V
9	HDMI3_RX0-	19	HDMI3_HPD
10	HDMI3_RXCLK+		

10 CN1701(ETHERNET)			
1	TX+	5	DGND
2	DGND	6	RX-
3	TX-	7	NC
4	RX+	8	LAN_GND

11 U301(OPTICAL)	
1	FPGA_SPDIF_OUT / FOX_SPDIF_OUT_TEST
2	B5V_USB_OP_WIFI_CI_PW
3	DGND

12 CN501(AV-LINK / RS232C)			
1	DGND	5	N.C
2	FA_TX	6	IDENT_FANET
3	FA_RX	7	DGND
4	N.C		

13 CN1(SERDES)			
1	B3.3_PW	14	SERSES_FW1_N
2	GCLK1+	15	GND
3	GND	16	SERSES_FW0_P
4	SERSES_BW0_P	17	SERSES_FW0_N
5	SERSES_BW0_N	18	GND
6	GND	19	N.C
7	SERSES_FW3_P	20	N.C
8	SERSES_FW3_N	21	A5V_PW
9	GND	22	TX_MICOM_JACK
10	SERSES_FW2_P	23	RX_MICOM_JACK
11	SERSES_FW2_N	24	GCLK0+
12	GND	25	B13V_PW_1
13	SERSES_FW1_P	26	B13V_PW_1

14 CN2103(USB2)			
1	USB2_VCC_5V_PW	3	USB2_DP
2	USB2_DM	4	DGND

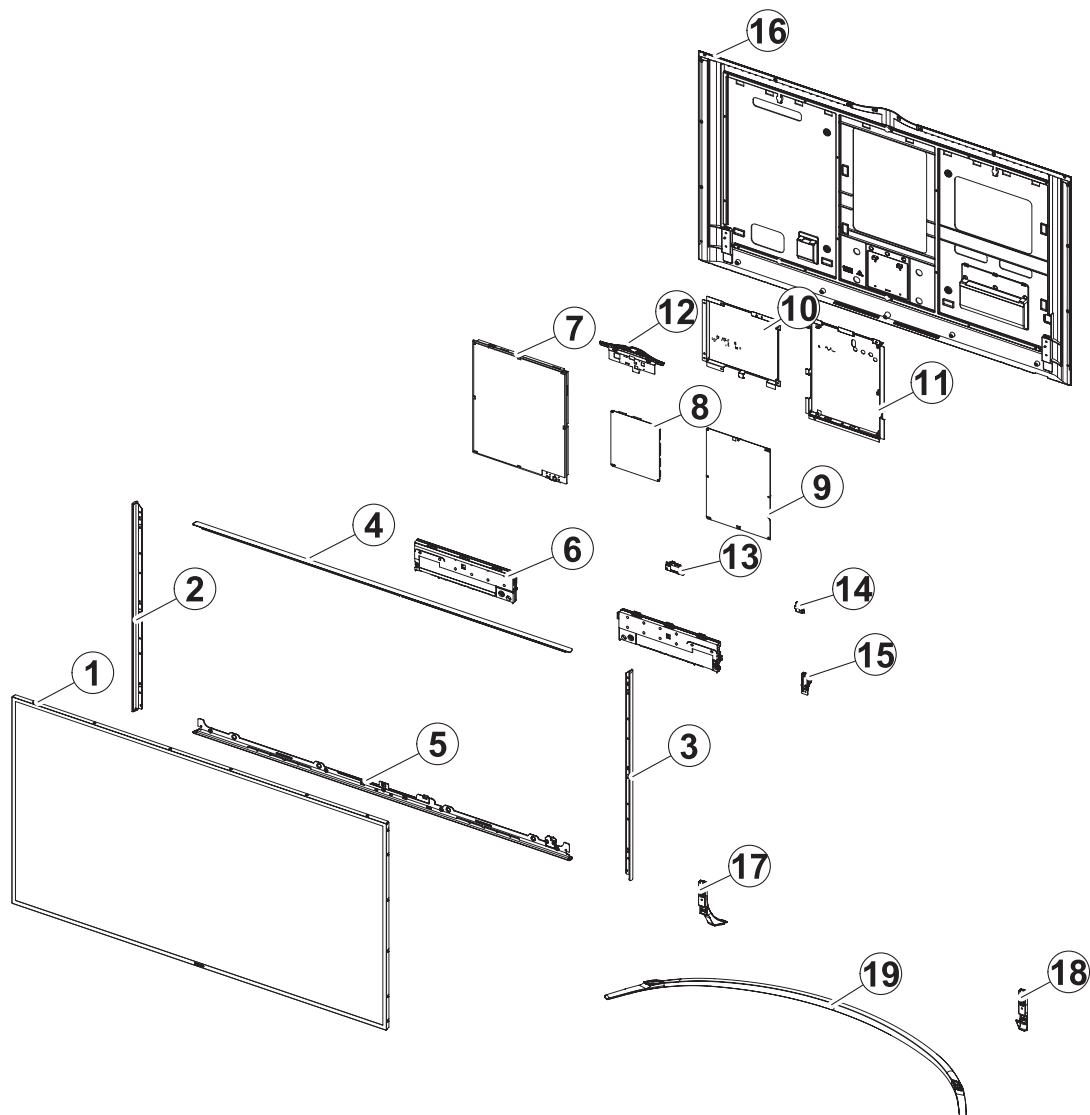
15 CN2102(USB1)			
1	USB1_VCC_5V_PW	3	USB1_DP
2	USB1_DM	4	DGND

5-3. Connector Functions

Connector	Function
CN201 ↔ CN100_MAIN	Supply main power from FRC board to Main Board.
CN101_SMPS ↔ CNM804	Supply main power from SMPS board to FRC Board.
CN3501 ↔ CN301 / CN3301 ↔ CN300	The LVDS signal transfered from Main Board to FRC.

ANNEX. Exploded View & Part List [UN65F9000AFXZA TD01]

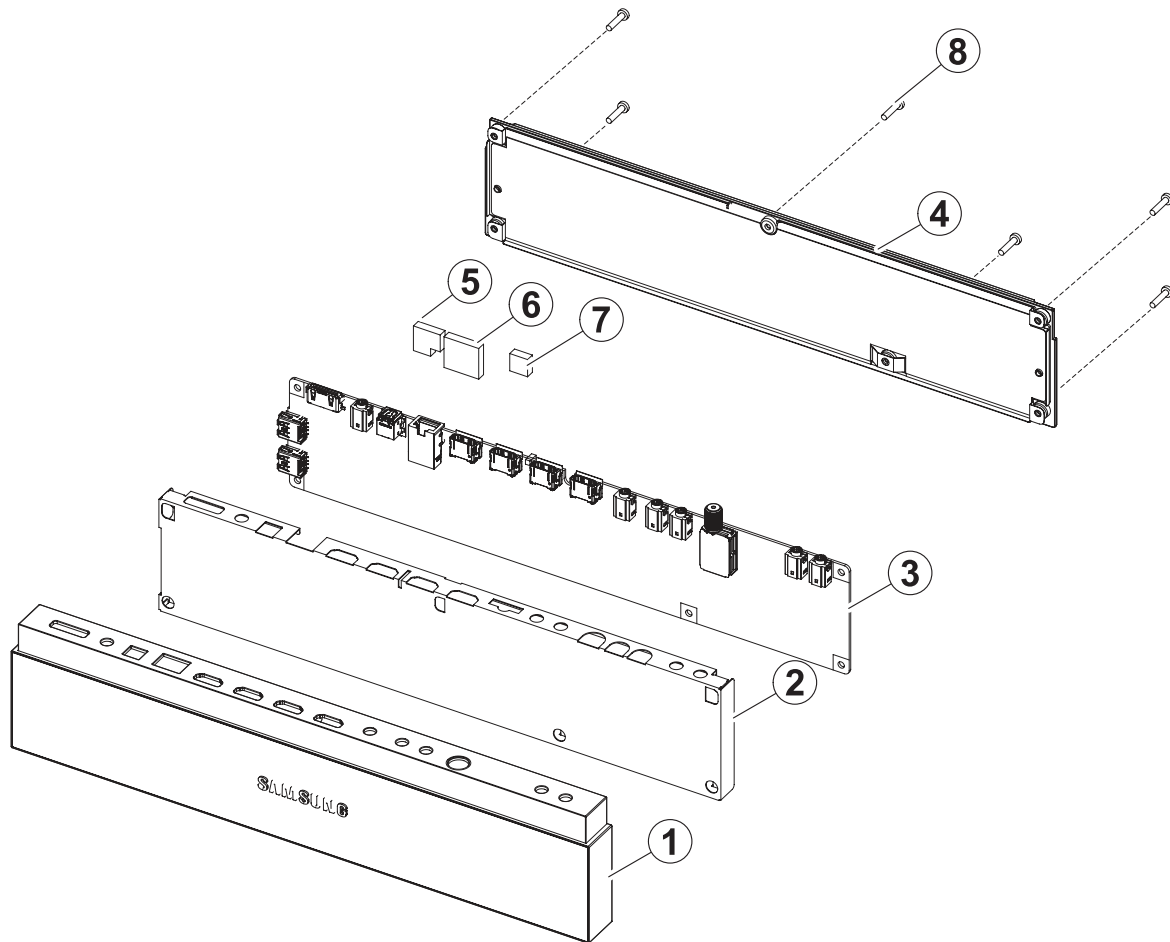
1-1. Exploded View



1-1-1. Parts List

No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
1	BN95-01153A	PRODUCT LCD-AMLCD; CY-KF650FSLV1V,10 bit,	1	SA	
2	BN61-09712A	SUPPORT-R; UF9000 65",AL,SIL *,Extruding,	1	SA	
3	BN61-09711A	SUPPORT-L; UF9000 65",AL,SIL *,Extruding,	1	SA	
4	BN63-11257A	COVER-FRAME, TOP; UF9000 65",AL,Extruding,	1	SA	
5	BN96-29252A	ASSY COVER P-DECORATION; UF9000,65,PC+G/F	1	SA	
6	BN96-29038A	ASSY SPEAKER P; Mid-WF 6ohm, TW 6ohm,Mid-	1	SA	
7	BN44-00675B	DC VSS-LED PD BD; L65D2L_DDY,L65D2L_DDY,A	1	SA	
8	BN94-06622A	ASSY PCB MISC-FRC; UHD 120Hz	1	SA	
9	BN94-06669B	ASSY PCB MISC-MAIN; DP,BN94-06654B	1	SA	
10	BN96-29686A	ASSY SHIELD P-PCB,FRC; US9000,55,SECC	1	SNA	
11	BN96-29611A	ASSY SHIELD P-PCB,MAIN; UF9000,55/65,W/W,	1	SNA	
12	BN96-29221A	ASSY MISC P-AQUILA_UD6; AQUILA_UD6,TV Cam	1	SA	
13	BN59-01161A	NETWORK; WIDT-30Q,Internal WiFi,USB,IEEE8	1	SA	
14	BN96-25376A	ASSY BOARD P-RF-MODULE; Bluetooth Module,	1	SA	
15	BN96-29508A	ASSY BOARD P-JOG FUNCTION; S9,SUNGJI,FR-4	1	SA	
16	BN96-29250A	ASSY COVER P-REAR; UF9000,65,PC+ABS+G/F15	1	SA	
17	BN61-08914A	BRACKET-STAND,SUPPORT-R; UF8000 65",ALCOT	1	SNA	
18	BN61-08917A	BRACKET-STAND,SUPPORT-L; UF8000 65",ALCOT	1	SNA	
19	BN96-26495A	ASSY STAND P-BASE; UF8000 65,EUROPE/NTSC	1	SA	

1-2. ONE CONNECT Exploded View



1-2-1. ONE CONNECT Parts List

No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
1	BN96-29253A	ASSY COVER P-JACK; UF9000,55,ABS+PC,BLK	1	SA	
2	BN96-29259A	ASSY SHIELD P-TOP; US9000,55,EGI-SECC	1	SA	
3	BN94-06653A	ASSY PCB MISC-ACKPACK; UF9Y	1	SNA	
4	BN96-29260A	ASSY SHIELD P-BOTTOM; US9000,65,SECC	1	SA	
5	BN62-00424A	PAD GAP; UN85S9AF,SILICON,2.5mm 0.25mm,3	1	SA	
6	BN62-00423A	PAD GAP; UN85S9AF,SILICON,2.5mm 0.25mm,2	1	SA	
7	BN62-00422A	PAD GAP; UN85S9AF,SILICON,2.5mm 0.25mm,2	1	SA	
8	6003-001086	SCREW-TAPTYPE; BH,+,-,B,M3,L12,ZPC(BLK),S	6	SA	

2-1. Electrical Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
			UN65F9000AFXZA TD01			
1	S001A	BN90-04908A	ASSY STAND;UF8X 65	1	SNA	
0.2	SB04A	BN96-26495A	ASSY STAND P-BASE;UF8000 65,EUROPE/NTSC	1	SA	
..3	SCREW	6003-001321	SCREW-TAPTYPE;BH,+,B,M4,L8,ZPC(BLK),SWRC	2	SA	
..3		BN61-08906A	BRACKET-STAND,BASE-R;UF8000 65",ALCOT,RI	1	SNA	
..3		BN61-08911A	BRACKET-STAND,BASE-L;UF8000 65",ALCOT,LE	1	SNA	
..3		BN67-00434A	RUBBER-FOOT;STAND,SILICON,10*30,T2.0,GRA	2	SNA	
..3		BN67-00437A	RUBBER-FOOT;STAND,SILICON,63*22,T2.0,GRA	1	SNA	
0.2		BN96-26500A	ASSY STAND P-SUPPORT-L;UF8000,65,EUROPE/	1	SA	
..3		BN61-08917A	BRACKET-STAND,SUPPORT-L;UF8000 65",ALCOT	1	SNA	
..3		BN96-27902A	ASSY ACCESSORY-SCREW;BN61-09494A . 8EA L	1	SNA	
...4		6902-000341	BAG PE;LDPE,T0.05,L90,W70,TRP,,,PE MARK	1	SNA	
...4		BN61-09494A	HOLDER-EMI BOLT;BH+,SWRCH18A,L12,M4,S TY	8	SA	
0.2		BN96-26505A	ASSY STAND P-SUPPORT-R;UF8000 65,EUROPE/	1	SA	
..3		BN61-08914A	BRACKET-STAND,SUPPORT-R;UF8000 65",ALCOT	1	SNA	
..3		BN69-08997A	WRAP VINYL-SHRINK;STAND,PET,0.020,W70,L1	0	SNA	
1		BN90-05013A	ASSY COVER MIDDLE;UF9000,65	1	SNA	
0.2		6001-002996	SCREW-MACHINE;FH,+,M3.0,L5.0,ZPC(BLK),SW	15	SA	
0.2		BN61-09711A	SUPPORT-L;UF9000 65",AL,SIL*,Extruding,	1	SA	
0.2		BN61-09712A	SUPPORT-R;UF9000 65",AL,SIL*,Extruding,	1	SA	
..3	AS108	AK63-00946K	SHEET-PROTECTION;F9000 55/65inch,PET,0.0	1	SNA	
0.2		BN63-11257A	COVER-FRAME,TOP;UF9000 65",AL,Extruding,	1	SA	
0.2		BN96-29252A	ASSY COVER P-DECORATION;UF9000,65,PC+G/F	1	SA	
..3	EC13	BN39-01777C	LEAD CONNECTOR;F9000,Lead connector,UL 1	1	SNA	
..3	FD01	BN63-11261A	COVER-DECORATION;UF9000 65",PC+G/F(15%),	1	SNA	
..3		BN96-29541A	ASSY BOARD P-IR FUNCTION;F9000,SUNGJI,FR	1	SA	
..3		BN96-29685A	ASSY BLU P-LOGO;UN55F9000,M13-F9000-AA,B	1	SNA	
1	R001A	BN90-05015A	ASSY COVER REAR;UF9000,65,Arch	1	SNA	
0.2		6001-002755	SCREW-MACHINE;BH,+,M3,L6,ZPC(BLK),SWRCH1	19	SA	
0.2	R001A	BN96-29250A	ASSY COVER P-REAR;UF9000,65,PC+ABS+G/F15	1	SA	
..3		6001-002756	SCREW-MACHINE;BH,+,M3,L6,ZPC(WHT),SWRCH1	14	SA	
..3		AH63-02973A	GASKET;HW-E550,Conductive Fabric,10,6,20	20	SNA	
..3		BN02-00040H	TAPE DOUBLE FACE-COVER REAR;F9000 55/65,	6	SNA	
..3		BN60-00162Y	SPACER-FOAM;FOAM,50000mm,DARK GRAY,0.35T	1	SNA	
..3		BN61-09708F	SUPPORT-REAR;UF9000 65",AL,1262mm,SIL*,E	1	SNA	
..3		BN61-09708G	SUPPORT-REAR;UF9000 65",AL,1130mm,SIL*,E	1	SNA	
..3		BN61-09708H	SUPPORT-REAR;UF9000 65",AL,576mm,SIL*,Ex	2	SNA	
..3		BN61-09708J	SUPPORT-REAR;UF9000 65",AL,686mm,SIL*,Ex	2	SNA	
..3	CCM1	BN63-05199P	COVER-SHEET;AMBER,PE,T0.08,W1000,200M,CL	2	SNA	
..3		BN63-05199W	COVER-SHEET;PD490,PE,T0.08,W70mm,200M,CL	4	SNA	
..3		BN63-08573G	COVER-SHEET;F9000 55/65,PE,T0.08,13mm,10	0	SNA	
..3	R001	BN63-11258A	COVER-REAR;UF9000 65",PC+ABS G/F20%,V1,B	1	SNA	
..3		BN63-11259A	COVER-REAR,MASK;UF9000 65",AL, VCM,T0.6,	1	SNA	
..3		BN68-05423C	LABEL-TERMINAL,BOT;UF9000,PET,T0.125,UO	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2	FC05A	BN96-29253A	ASSY COVER P-JACK;UF9000,55,ABS+PC,BLK	1	SA	
.3		BN61-08900A	BRACKET-MAGNET, JACK;UF 8000 55",STAINLE	3	SNA	
.3	CCM1	BN63-05199K	COVER-SHEET;AMBER,PE,T0.08,W120mm,200M,C	0	SNA	
.3	FC05	BN63-11249A	COVER-JACK;UF9000 55",ABS+PC,V0,BK0008	1	SNA	
1		BN90-05052A	ASSY W/I;UF9000,65	1	SNA	
0.2		BN81-08159Z	PART SET-ELEC W/I;UF4* ~ UF8* ELEC	1	SNA	
0.2		BN81-08367T	PART SET-MECH W/I;UF9Y,U65FA*	1	SNA	
1		BN91-11292A	ASSY LCM-AMLCD;BN95-01153A,CY-KF650FSLV1	1	SNA	
0.2	EC13	BN39-01773M	LEAD CONNECTOR;F9000,Lead connector,UL 2	1	SA	
0.2		BN44-00675B	DC VSS-LED PD BD;L65D2L_DDY,L65D2L_DDY,A	1	SA	
0.2	MF10A	BN94-06667A	ASSY PCB MISC-FRC;DP,BN94-06622A	1	SNA	
.3	MF10A	BN94-06622A	ASSY PCB MISC-FRC;UHD 120Hz	1	SA	
...4		BN62-00273B	HEAT SINK-PS;TV Echo-P,A5052,5t,BLACK,40	2	SNA	
...4		BN97-07580A	ASSY SMD;BN94-06622A	1	SNA	
....5		0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA	
....5		0505-001844	FET-SILICON;SI4435DDY-T1-GE3,P,-30V,-11.	1	SA	
....5		0801-002779	IC-CMOS LOGIC;74LVC1G125,BUS BUFFER,SOT-	1	SA	
....5		0801-003424	IC-CMOS LOGIC;74VHCV541,Octal schmitt bu	1	SA	
....5		1204-003426	IC-VIDEO PROCESS;SENK82,HS BGA,734Q,31x3	2	SA	
....5	IS01	1209-002183	IC-SENSOR;S-5851AAA-M6T1U,SOT,6Z30,2.9x1	1	SA	
....5		2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	20	SA	
....5		2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	2	SA	
....5		2007-000614	R-CHIP;24Kohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005,0.35	1	SA	
....5		2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007721	R-CHIP;560ohm,1%,1/10W,TP,1608	2	SA	
....5		2007-008263	R-CHIP;3Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	3	SNA	
....5		2011-001262	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2.	8	SA	
....5	AD480	2203-000627	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005	2	SNA	
....5	AD480	2203-000679	C-CER,CHIP;0.027nF,5%,50V,C0G,TP,1005	2	SA	
....5	AD480	2203-006698	C-CER,CHIP;1000nF,10%,25V,X7R,TP,1608,0.	2	SA	
....5		2409-001118	C-POLYMER ,CHIP;47uF,20%,10V,WT,TP,3.5X2	2	SA	
....5		2703-003790	INDUCTOR-SMD;4.7uH,20%,8080,0.025ohm,450	2	SA	
....5		2703-004145	INDUCTOR-SMD;2.2uH,20%,6.5 x 6.9mm,0.20o	2	SNA	
....5		2801-003773	CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh	1	SA	
....5		2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
....5		3708-003043	CONNECTOR-FPC/FFC/PIC;80P,0.5mm,SMD-A+DI	1	SA	
....5		3708-003140	CONNECTOR-FPC/FFC/PIC;20P,0.5mm,SMD-A+DI	1	SA	
....5		3711-002050	CONNECTOR-HEADER;BOX,10P,1R,1.25mm,SMD-A	2	SNA	
....5	EH01	3711-005925	HEADER-BOARD TO CABLE;BOX,51P,1R,0.5mm,S	2	SA	
....5	EH01	3711-006395	HEADER-BOARD TO CABLE;BOX,41P,2R,0.5 mm,	1	SA	
....5	EH01	3711-007803	HEADER-BOARD TO CABLE;BOX,12P,1R,1.25mm,	1	SA	
....5	EH01	3711-008441	HEADER-BOARD TO CABLE;BOX,24P,2R,2mm,ANG	1	SA	
....5	EH01	3711-008558	HEADER-BOARD TO CABLE;BOX,26P,2R,1.25mm,	2	SA	
....5		BN41-02076A	PCB MAIN;uhd_55_65inch_nt72314,FR-4,4,1.	1	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...5		BN97-07596A	ASSY MICOM;T-NT9S6M-010E,2013.07.03	1	SNA	
...5		BN97-07597A	ASSY MICOM;T-NT9S6S-010E,2013.07.03	1	SNA	
....6		1107-002223	IC-NOR FLASH;W25Q16DVSSIG,16Mbit,2Mbitx8	1	SNA	
..3		BN98-04949A	ASSY K/D-PACKING ASSY FRC;BN41-02076A	1	SNA	
...4		6902-000359	BAG AIR CAP;LDPE,T0.05,W280,L250,PINK,No	1	SNA	
...4		AA69-05399U	MASTER CARTON;CB,DW,515,445,235	1	SNA	
...4		AA69-05401H	PALLET-CKD,4;CKD,PAPER,1060,920,120	1	SNA	
...4		AA69-05408H	PAD-PLATE;CB,DW,505,435	1	SNA	
...4		AA69-05409N	PAD-CROSS;CB,DW,505,210	1	SNA	
...4		AA69-05409P	PAD-CROSS;CB,DW,436,210	1	SNA	
0.2	PANEL	BN95-01153A	PRODUCT LCD-AMLCD;CY-KF650FSLV1V,10 bit,	1	SA	
..3		0203-001602	TAPE-OPP MASKING;#232,0.14,15,50000,YEL	0	SNA	
..3		6001-002757	SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1	12	SA	
..3		6001-002912	SCREW-MACHINE;CH,+,M3,L3,ZPC(BLK),SWRCH1	28	SNA	
..3		6001-003016	SCREW-MACHINE;PWH,+,M3.0,L5.0,ZPC(WHT),S	4	SA	
..3	T0527	AA68-03539A	LABEL BAR CODE;65X40mm,ART PAPER	1	SNA	
..3		BN02-00102B	TAPE FILAMENT;UE7000,#893,0.15,25,50,WHI	0	SNA	
..3		BN02-00145D	TAPE PET-MASKKIING;F9K,PET(BASE FILM),0.	5	SNA	
..3		BN68-03216A	LABEL-STICKER;WW,Yupo Polyester,80X40,AV	1	SNA	
..3	CCMM1	BN73-00218A	SILICON/RUBBER;UE32B6000VWXXC,SILICON+PO	1	SNA	
..3		BN74-00053A	TAPE-PROTECTION;T460BE1-FB,T550BE1-FB,3M	4	SNA	
..3		BN90-05009A	ASSY MISC-BLU;UD 9K 65	1	SNA	
...4		6001-003010	SCREW-MACHINE;CH,+,M3,L6,ZPC(BLK),SWRCH1	28	SNA	
...4		BN02-00102B	TAPE FILAMENT;UE7000,#893,0.15,25,50,WHI	0	SNA	
...4		BN02-00231A	TAPE ETC-SHEET FIXING(C);Y13 F9K,PC,0.7T	2	SNA	
...4		BN02-00232B	TAPE ETC-SHEET FIXING(S);Y13 F9K,PC,0.7T	4	SNA	
...4		BN61-09717A	LGP-LED;65inch UD, Lenticular,PMMA,1436.	1	SNA	
...4		BN63-11333A	SHEET-PRISM;F9K_65inch_UTE34G,PET,0.3,14	1	SNA	
...4		BN63-11334A	SHEET-DIFFUSER;F9K_65inch_UTE12,PET,0.3,	1	SNA	
...4		BN63-11335A	SHEET-DBEF;F9K 65inch DBEF,PET,0.4,1433.	1	SNA	
...4		BN63-11336A	SHEET-REFLECTOR;F9K_65inch SRS980CS,PET,	1	SNA	
...4		BN96-29073A	ASSY MISC P-LED BAR;65inch UHD LED bar f	4	SNA	
...4		BN96-29082A	ASSY MISC P-CHASSIS BOTTOM;Y13 F9K 65",B	1	SNA	
....5		6001-002912	SCREW-MACHINE;CH,+,M3,L3,ZPC(BLK),SWRCH1	9	SNA	
....5		6001-003016	SCREW-MACHINE;PWH,+,M3.0,L5.0,ZPC(WHT),S	6	SA	
....5		BN02-00040B	TAPE DOUBLE FACE-DIFFUSER FIXING;NNB 32/	1	SNA	
....5		BN02-00102B	TAPE FILAMENT;UE7000,#893,0.15,25,50,WHI	1	SNA	
....5		BN02-00113A	TAPE ETC-FIXING WIRE;Y12 NNB2,PET,0.05T,	1	SNA	
....5		BN02-00243A	TAPE THERMAL-GRAPHITE REAR L;Y13 F9K 65"	1	SNA	
....5		BN02-00244A	TAPE THERMAL-GRAPHITE REAR R;Y13 F9K 65"	1	SNA	
....5	EC13	BN39-01853B	LEAD CONNECTOR;UD 65inch Wire-harness_LE	1	SNA	
....5	EC13	BN39-01854B	LEAD CONNECTOR;UD 65inch Wire-harness_RI	1	SNA	
....5		BN61-08235A	HOLDER-LGP;SNB,M3*L4.9*SCALOCK,trap,4.9,	2	SNA	
....5		BN61-08235B	HOLDER-LGP;Y13 F8K 65",SWRCH18A,6.25,3.5	2	SNA	
....5		BN61-08942A	BRACKET-STAND, PANEL;UF8000 65",SECC,T2.	2	SNA	
....5		BN61-09308A	BOSS-BOND;F8K,acrylate Modified,GREEN	10	SNA	
....5		BN61-09449A	BRACKET-STOPPER NUT;Y13 SF-LED,M2.6*D4.5	10	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		BN62-00442A	INSULATION-POWER BRD;Y13 F9K 55",,PC-FIL	1	SNA	
....5		BN62-00450A	INSULATION-S-PCB L;Y13 F9K 65" SDC,MTU-1	1	SNA	
....5		BN62-00451A	INSULATION-S-PCB R;Y13 F9K 65" SDC,MTU-1	1	SNA	
....5	CC02	BN64-02433A	CHASSIS-BOTTOM;UD 65,AL 3104,T1.5,Y2013	1	SNA	
....5		BN64-02435A	CHASSIS-UPPER PLATE;UD 65,AL 3104,T0.5,Y	1	SNA	
...4		BN96-29115A	ASSY FRAME P-MOLD MIDDLE U;Y13 F9K 65",B	1	SNA	
....5		BN60-00860A	SPACER-PANEL-U(A);Y13 F9K 65",SSP 40,0.4	2	SNA	
....5		BN60-00861A	SPACER-PANEL-U(B);Y13 F9K 65",SSP 40,0.4	2	SNA	
....5		BN61-09697A	FRAME-MOLD MIDDLE U;UD 65,PC+G/F10%,WHIT	1	SNA	
...4		BN96-29116A	ASSY FRAME P-MOLD MIDDLE D;Y13 F9K 65",B	1	SNA	
....5		BN02-00050A	TAPE DOUBLE FACE;SNB 55",SK2100HE,0.05,2	1	SNA	
....5		BN60-00862A	SPACER-LGP-UD;Y13 F9K 65",SI(SH0140U)0.2	2	SNA	
....5		BN60-00863A	SPACER-PANEL-D(A);Y13 F9K 65",SSP 40,0.4	2	SNA	
....5		BN60-00864A	SPACER-PANEL-D(B);Y13 F9K 65",SSP 40,0.4	2	SNA	
....5		BN61-09699A	FRAME-MOLD MIDDLE D;UD 65,PC+G/F10%,WHIT	1	SNA	
...4		BN96-29117A	ASSY FRAME P-MOLD MIDDLE LR;Y13 F9K 65",	2	SNA	
....5		BN60-00865A	SPACER-PANEL-LR;Y13 F9K 65",SSP 40,0.4T,	2	SNA	
....5		BN60-00866A	SPACER-LGP-LR;Y13 F9K 65",SB00.188T+MKT-	2	SNA	
....5		BN61-09701A	FRAME-MOLD MIDDLE LR;UD 65,PC+G/F10%,WHI	2	SNA	
..3	FL06	BN96-24430C	ASSY CABLE P-FFC;E7000,FFC,NH,47mm□1,68	4	SNA	
..3	TC01A	BN96-29085A	ASSY MISC P-CHASSIS TOP;Y13 F9K 65",BN64	1	SNA	
...4		BN63-10029A	COVER-SHEET;UE9500 75",urethane,T0.052,W	5	SNA	
...4	AC157	BN64-02431A	CHASSIS-TOP;UD 65,STAINLESS-ST304,T0.6,	1	SNA	
..3		BN96-29108A	ASSY COVER P-SOURCE;Y13 F9K 65",BN63-112	1	SNA	
...4		BN02-00251A	TAPE ETC-COVER SOURCE L;Y13 F9K 65,PET,0	1	SNA	
...4		BN02-00252A	TAPE ETC-COVER SOURCE R;Y13 F9K 65,PET,0	1	SNA	
...4		BN60-00554A	SPACER-SOURCE;SNB 40/46/55,Silicone-Rubb	8	SNA	
...4		BN61-02932N	BRACKET-STOPPER NUT;LED TV,M3,D7,L6.6,BR	7	SNA	
...4		BN61-09307A	BRACKET-STOPPER NUT;LED TV,M3*D11*L12.6	4	SNA	
...4		BN62-00452A	INSULATION-S-COVER L;Y13 F9K 65" SDC,PET	1	SNA	
...4		BN62-00453A	INSULATION-S-COVER R;Y13 F9K 65" SDC,PET	1	SNA	
...4		BN63-11276A	SHIELD-SOURCE COVER;UD 65,EGI-SECC,T0.8,	1	SNA	
..3		BN96-29164A	ASSY OPEN CELL;LSF650FJ01-A,8bit,65INCH,	1	SNA	
..3		BN96-29165A	ASSY T CON P;LSF650FJ01-S,PCB-CONTROL,8b	1	SA	
..3	SB05A	BN96-29272A	ASSY BRACKET P-STAND LINK;UF9000,55,65,E	1	SNA	
0.2	FL06	BN96-26511D	ASSY CABLE P-FFC;UHD 65 F9000,FFC,2H,155	1	SA	
0.2	FL06	BN96-28071K	ASSY CABLE P-FFC;UHD65, F9000,FFC,2H,155	1	SA	
1		BN91-11388D	ASSY SHIELD;UF9Y	1	SNA	
0.2		6001-003016	SCREW-MACHINE;PWH,+,M3.0,L5.0,ZPC(WHT),S	29	SA	
0.2	SCREW	6003-001086	SCREW-TAPTYPE;BH,+,-,B,M3,L12,ZPC(BLK),S	6	SA	
0.2	EC13	BN39-01475V	LEAD CONNECTOR;UN55F6100,Falt Connector,	1	SA	
0.2	EC13	BN39-01807B	LEAD CONNECTOR;F9000,Lead connector,UL 2	1	SA	
0.2	EC13	BN39-01808B	LEAD CONNECTOR;F9000,Lead connector,UL 2	1	SA	
0.2	EC03	BN39-01815B	CBF SIGNAL;85S9,26P,coaxial,3000,UL,NTR	1	SA	
0.2	EC13	BN39-01822E	LEAD CONNECTOR;UN65S9,Lead Connector,UL2	1	SA	
0.2	EC13	BN39-01856B	LEAD CONNECTOR;UN65S9,Lead Connector,UL2	1	SA	
0.2	NW01	BN59-01161A	NETWORK;WIDT-30Q,Internal WiFi,USB,IEEE8	1	SA	

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Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2		BN61-08936A	BRACKET-WALL, BOTTOM;UF8000 55",SECC,T2.	4	SNA	
0.2		BN61-09835A	BRACKET-GROUND;UF9000 65",SECC,T0.8	2	SNA	
0.2		BN62-00422A	PAD GAP;UN85S9AF,SILICON,2.5mm□0.25mm,2	1	SA	
0.2		BN62-00423A	PAD GAP;UN85S9AF,SILICON,2.5mm□0.25mm,2	1	SA	
0.2		BN62-00424A	PAD GAP;UN85S9AF,SILICON,2.5mm□0.25mm,3	1	SA	
0.2		BN62-00481A	PAD GAP;F9000,PAD GAP,4.5T,50mm,50mm,13E	4	SA	
0.2		BN62-00482A	PAD GAP;F9000,PAD GAP,10T,80mm,20mm,13F1	1	SNA	
0.2		BN63-00028A	GASKET-EMI;PC24PSA,17MM,26MM,100MM,EMI	5	SNA	
0.2		BN63-04077A	GASKET;PS63P71FHX,CONDUCTIVE ADHESIVE sp	2	SNA	
0.2		BN63-07188A	GASKET-EMI;PDP 850,Conductive Fabric,15m	1	SNA	
0.2		BN68-05450D	LABEL-JACKPACK;UD9000,ART PAPER,0.08,Bla	1	SNA	
0.2	FL06	BN96-22728J	ASSY CABLE P-FFC;UHD55 F9000,FFC,NH,180m	1	SA	
0.2	BT	BN96-25376A	ASSY BOARD P-RF-MODULE;Bluetooth Module,	1	SA	
..3	AS BT	BN81-08545A	A/S-BT;Bluetooth Module SCREW	1	SNA	
..3		BN97-07275A	ASSY MICOM-BLUETOOTH F/W;BN81-08385A	1	SNA	
...4		BN81-08385A	AS-BLUETOOTH F/W;BLUETOOTH F/W	1	SNA	
0.2	FL06	BN96-26671W	ASSY CABLE P-FFC;F9000 65inch,FFC,NH,245	1	SA	
0.2	FL06	BN96-28071J	ASSY CABLE P-FFC;UHD55,F9000,FFC,2H,170m	1	SA	
0.2	SP01A	BN96-29038A	ASSY SPEAKER P;Mid-WF 6ohm, TW 6ohm,Mid-	1	SA	
0.2		BN96-29221A	ASSY MISC P-AQUILA_UD6;AQUILA_UD6,TV Cam	1	SA	
0.2		BN96-29254C	ASSY COVER P- TOP;UF9000,55,65,ABS+PC,V0	1	SA	
..3		BN63-11320A	COVER-SHEET;UF9000,SECC,T0.5,VCM	1	SNA	
...4		BN64-02417A	BADGE-BRAND;S9 UHD 85",Ni,0.05,L35mm,SIL	1	SNA	
..3		BN63-11321A	COVER-DECO;UF9000,ABS,HB,NC0001,CR Plati	1	SNA	
..3	T001	BN63-11322B	COVER-TOP;UF9000,ABS+PC,V0,BK0008	1	SNA	
0.2		BN96-29259A	ASSY SHIELD P-TOP;US9000,55,EGI-SECC	1	SA	
..3	T0073	AA63-01413U	GASKET-EMI;42Q7,Conductive Fabric Type,2	1	SNA	
..3	T0073	AA63-01528A	GASKET-EMI;63P7,Conductive Fabric,1.5,10	1	SNA	
..3		BN62-00443A	HEAT SINK-ASSY;UF9000,A1050,T2.0,SILVER,	1	SNA	
..3	AS223	BN63-10881B	SHIELD-TOP;UF9000 UHD 55",ET-SPTE,0.5	1	SNA	
..3		BN63-11111A	GASKET;UN85S9AFXZA,Conductive Fabric,3.5	1	SNA	
0.2		BN96-29260A	ASSY SHIELD P-BOTTOM;US9000,65,SECC	1	SA	
..3		BN61-04692A	BOSS-PRIMER;#94,SHEET,clear,35cps	0	SNA	
..3		BN61-07463C	BOSS-TAPE;SB970,acryl,T0.25,W15,Transpar	1	SNA	
..3		BN63-10997B	SHEET-INSULATOR;F9000,PC,0.43,345.6,69.6	1	SNA	
..3		BN63-11319A	SHIELD-BOTTOM;UF9000,SECC,T1.0	1	SNA	
..3	RB01	BN63-11328A	COVER-BOTTOM;UF9000,PC+ABS+G/F15%,V1,BK0	1	SNA	
..3		BN63-11366A	SHEET-GRAPHITE,BOT;UF9000,EVA 1 SIDE P32	1	SNA	
0.2		BN96-29508A	ASSY BOARD P-JOG FUNCTION;S9,SUNGJI,FR-4	1	SA	
0.2		BN96-29611A	ASSY SHIELD P-PCB,MAIN;UF9000,55/65,W/W,	1	SNA	
..3	M0131	AA63-01313A	GASKET;TORINO,Conductive Fabric,14mm,10m	1	SNA	
..3	M0131	BH63-00104A	GASKET;POSEIDON,Conductive Fabric,2mm,10	2	SNA	
..3	M0131	BN63-00792A	GASKET;NB21BS,Conductive Fabric,2mm,10mm	1	SNA	
..3		BN63-00967A	GASKET;NB17BS,CONDUCTIVE FAB,14MM,14MM,1	1	SNA	
..3	M0131	BN63-03597A	GASKET;TULIP,Conductive Fabric,15mm,13mm	1	SNA	
..3		BN63-03652A	GASKET;Dvorak,Conductive Fabric,2mm,8mm,	1	SNA	
..3		BN63-11253A	SHIELD-PCB,MAIN;UF9000 55"/65",PCM,T0.4	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2		BN96-29686A	ASSY SHIELD P-PCB,FRC;US9000,55,SECC	1	SNA	
.3	T0073	AA63-01110C	GASKET-EMI;42D5,Conductive Fabric,1.0,10	4	SNA	
.3		BN63-04077A	GASKET;PS63P71FHX,CONDUCTIVE ADHESIVE sp	1	SNA	
.3		BN63-07188A	GASKET-EMI;PDP 850,Conductive Fabric,15m	1	SNA	
.3		BN63-11418A	SHIELD-PCB,FRC;UF9000 55",SECC,T0.5	1	SNA	
.3	T0099	BN72-00337C	SPONGE-EMI-BACK;63P3,SHELD FROM,1,10,150	1	SNA	
0.2	M0131	BP63-00223A	GASKET;HLN507W1X/XAA,Conductive Fabric,2	1	SNA	
1	M0017	BN91-11396B	ASSY CHASSIS;UF9Y	1	SNA	
0.2		BN94-06665A	ASSY PCB MISC-JACK;DP,BNBN94-06653A	1	SA	
.3		BN94-06653A	ASSY PCB MISC-ACKPACK;UF9Y	1	SNA	
...4	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...4		BN97-07627A	ASSY SMD;BN94-06653A	1	SNA	
....5		0202-001899	SOLDER-CREAM;M705-GRN360-K2-VT,25-36um,S	3	SNA	
....5	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	4	SA	
....5		0403-001552	DIODE-ZENER;DDZ16,15.69/16.51V,500mW,SOD	1	SA	
....5		0403-001779	DIODE-ZENER;MMSZ5234BT1G,5.89/6.51V,500m	5	SA	
....5		0403-001785	DIODE-ZENER;NZH5V1B,4.94/5.2V,500mW,SOD-	9	SA	
....5		0403-001797	DIODE-ZENER;NZH3V0B,2.85/3.15V,500mW,SOD	9	SNA	
....5		0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	3	SA	
....5		0406-001200	DIODE-TVS;RCLAMP0504F,6/-V,150W,SC-70	2	SA	
....5		0501-000279	TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT-	1	SA	
....5		0505-002598	FET-SILICON;AP2317GN,P,-20V,-4.2A,0.052o	1	SA	
....5		0904-002714	IC-USC;QFN,28P,5.0mm X 5.0mm,12MHz,TP,PL	1	SA	
....5		1001-001686	IC-ANALOG MULTIPLEX;74LV4052,CMOS,TTSOP,	1	SA	
....5		1001-001820	IC-VIDEO SWITCH;SiI9575,SOP,176Z30,20X20	1	SNA	
....5		1001-001834	IC-VIDEO SWITCH;ADV7619KSVZ,TQFP,128P,16	1	SNA	
....5		1002-001749	IC-D/A CONVERTER;PCM5101A,24,TSSOP,20P,6	1	SA	
....5		1006-001509	IC-DRIVER/RECEIVER;MAX3222ECPWR,TSSOP,20	1	SA	
....5		1006-001565	IC-BUS TRANSCEIVER;USB3340-EZK-TR,QFN,32	1	SA	
....5		1103-001564	IC-EEPROM;S-24C512CI-J800,512Kbit,64Kx8,	1	SA	
....5		1105-002442	IC-DDR3 SDRAM;K4B2G1646E-BCK0,DDR3 1600,	2	SNA	
....5		1203-004363	IC-VOL. DETECTOR;SOT-23,3Z30,2.9x1.6mm,P	1	SA	
....5		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
....5		1203-006109	IC-POSIFIXED REG.;S-1206B33-M3T1G,SOT-2	1	SA	
....5		1203-006130	IC-POSIFIXED REG.;S-1172B25-U5T1G,SOT-8	1	SA	
....5		1203-006135	IC-POSIFIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
....5		1203-006136	IC-POSIFIXED REG.;AP1117D-18-GZ-13-89,T	7	SA	
....5		1203-006167	IC-POSIFIXED REG.;S-1172B12-U5T1G,SOT-8	1	SA	
....5		1203-006341	IC-DC/DC CONVERTER;TPS63020DSJ,SON-14,14	1	SA	
....5		1203-007018	IC-DC/DC CONVERTER;TPS54821RHL,QFN,14P,3	1	SA	
....5		1203-007238	IC-PWM CONTROLLER;TPS54427,DDA,8P,4.8x3.	3	SNA	
....5		1203-007502	IC-DC/DC CONVERTER;AOZ3011PI,SO-8,8Z30,4	2	SA	
....5		1203-007547	IC-DC/DC CONVERTER;SN1202033DAPR,HTSSOP,	1	SA	
....5		1203-007707	IC-POSIFIXED REG.;AP7362ADJ,SO-8EP,8Z3	1	SA	
....5		1203-007757	IC-POSIFIXED REG.;TPS7A7001DDAR,SOIC-8	1	SA	
....5		1204-003401	IC-VIDEO PROCESS;SDP1201,FBGA,756Z30,27x	1	SA	
....5		1205-004385	IC-ETHERNET CONTROLLER;RTL8201F-VB-CGT,Q	1	SA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		1205-004447	IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65	1	SA	
....5		1205-004692	IC-SWITCH;TPS2069CDBVR,SOT-23,5P,5.0x3.1	1	SNA	
....5		1205-004704	IC-SWITCH;AP2151W-7,SOT25,5Z30,3.1*3.0mm	1	SA	
....5		1301-002095	IC-FPGA;XC7K325T-1FFG900I,FPGA,900Z30,31	1	SA	
....5		1405-001271	VARISTOR;35V,20Vdc,5A,1.0x0.5x0.6mm,TP,1	11	SA	
....5		2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	3	SNA	
....5		2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	3	SA	
....5		2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
....5		2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	8	SA	
....5		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	47	SA	
....5		2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	6	SA	
....5		2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	4	SNA	
....5		2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	1	SA	
....5		2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
....5		2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	5	SA	
....5		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	90	SA	
....5		2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	7	SNA	
....5		2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	14	SA	
....5		2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	2	SA	
....5		2007-000219	R-CHIP;1.2Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-000591	R-CHIP;22ohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-000683	R-CHIP;3.3Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-000695	R-CHIP;3.3ohm,5%,1/10W,TP,1608	2	SNA	
....5		2007-000772	R-CHIP;33Kohm,1%,1/10W,TP,1608	4	SA	
....5		2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-000816	R-CHIP;390Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-001116	R-CHIP;680ohm,1%,1/10W,TP,1608	1	SA	
....5		2007-001168	R-CHIP;75ohm,5%,1/4W,TP,3216	3	SA	
....5		2007-001284	R-CHIP;4.7ohm,5%,1/16W,TP,1005	8	SNA	
....5		2007-001308	R-CHIP;200ohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-001313	R-CHIP;330ohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	8	SNA	
....5		2007-003015	R-CHIP;2.2ohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-007001	R-CHIP;3.9Kohm,5%,1/16W,TP,1005	1	SA	
....5		2007-007004	R-CHIP;12Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	10	SNA	
....5		2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007136	R-CHIP;4.7Kohm,1%,1/16W,TP,1005	3	SNA	
....5		2007-007137	R-CHIP;1.2Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007139	R-CHIP;47Kohm,1%,1/16W,TP,1005	6	SA	
....5		2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	18	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	14	SNA	
....5		2007-007311	R-CHIP;22Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007314	R-CHIP;5.6Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007315	R-CHIP;3.9Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	4	SA	
....5		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	9	SA	
....5		2007-007470	R-CHIP;7.5Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-007480	R-CHIP;130Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005	5	SNA	
....5		2007-007617	R-CHIP;2.49Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007697	R-CHIP;2.4Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-007698	R-CHIP;5.1Kohm,1%,1/16W,TP,1005	7	SA	
....5		2007-007720	R-CHIP;300Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007736	R-CHIP;510Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	5	SA	
....5		2007-007992	R-CHIP;1ohm,1%,1/10W,TP,1608	2	SA	
....5		2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	61	SA	
....5		2007-008117	R-CHIP;2.7Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-008294	R-CHIP;33ohm,1%,1/16W,TP,1005	8	SA	
....5		2007-008332	R-CHIP;11.5Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-008391	R-CHIP;6.34Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-008779	R-CHIP;0ohm,1%,1/16W,TP,1005	1	SA	
....5		2007-009138	R-CHIP;33Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-009853	R-CHIP;1.6Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2011-001396	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	SNA	
....5		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	5	SA	
....5		2011-001497	R-NETWORK;470ohm,5%,1/16W,L,CHIP,4P,TP,1	2	SNA	
....5		2011-001506	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,4P,TP,1	3	SA	
....5		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	2	SA	
....5		2011-001585	R-NETWORK;47ohm,5%,1/16W,L,CHIP-V,4P,TP,	1	SA	
....5		2011-001586	R-NETWORK;1Kohm,5%,1/16W,L,CHIP-V,4P,TP,	1	SNA	
....5		2011-001587	R-NETWORK;100ohm,5%,1/16W,L,CHIP-V,4P,TP	3	SA	
....5		2011-001590	R-NETWORK;47Kohm,5%,1/16W,L,CHIP-V,4P,TP	1	SNA	
....5	AD480	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	8	SA	
....5	AD480	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	3	SA	
....5	AD480	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005	6	SA	
....5	AD480	2203-000386	C-CER,CHIP;0.015nF,5%,50V,C0G,TP,1005	7	SA	
....5	AD480	2203-000425	C-CER,CHIP;0.018nF,5%,50V,C0G,TP,1005	5	SA	
....5	AD480	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	8	SA	
....5	AD480	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	4	SA	
....5	AD480	2203-000530	C-CER,CHIP;2.7nF,10%,50V,X7R,TP,1005,-	1	SNA	
....5	AD480	2203-000585	C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005	2	SA	
....5	AD480	2203-000761	C-CER,CHIP;330nF,10%,16V,X7R,TP,2012	1	SNA	
....5	AD480	2203-000812	C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005	9	SA	
....5	AD480	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608	2	SNA	
....5	AD480	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1608	2	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5	AD480	2203-001211	C-CER,CHIP;8.2nF,10%,50V,X7R,TP,1608	1	SA	
....5	AD480	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1608	7	SA	
....5	AD480	2203-001634	C-CER,CHIP;33nF,10%,50V,X7R,TP,1608	1	SA	
....5	AD480	2203-001697	C-CER,CHIP;0.082nF,5%,50V,NP0,TP,1608	1	SNA	
....5	AD480	2203-002050	C-CER,CHIP;47nF,10%,50V,X7R,TP,1608	2	SA	
....5	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,TP,1005	29	SNA	
....5	AD480	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,TP,1005	1	SA	
....5	AD480	2203-005054	C-CER,CHIP;0.0047nF,0.25pF,50V,NP0,TP,10	1	SA	
....5	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	8	SA	
....5	AD480	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005,0.5T	18	SNA	
....5	AD480	2203-005481	C-CER,CHIP;47nF,10%,10V,X7R,TP,1005	1	SA	
....5	AD480	2203-005642	C-CER,CHIP;0.22nF,5%,50V,NP0,TP,1005	1	SNA	
....5	AD480	2203-006024	C-CER,CHIP;2200nF,10%,10V,X7R,TP,2012	2	SNA	
....5	AD480	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,TP,1005	204	SA	
....5	AD480	2203-006088	C-CER,CHIP;330nF,10%,10V,X7R,TP,1608	1	SA	
....5	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,TP,1005	1	SNA	
....5	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,0.5	68	SA	
....5	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,TP,2012	1	SNA	
....5	AD480	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0.	1	SA	
....5	AD480	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	12	SC	
....5	AD480	2203-006460	C-CER,CHIP;2200nF,10%,16V,X5R,TP,1608,-	1	SA	
....5	AD480	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,2012	3	SA	
....5	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	27	SNA	
....5	AD480	2203-006741	C-CER,CHIP;470nF,10%,25V,X5R,TP,1608,0.8	1	SNA	
....5	AD480	2203-006818	C-CER,CHIP;47000nF,20%,6.3V,X5R,TP,3216	3	SA	
....5	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608,-	20	SNA	
....5	AD480	2203-006890	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608	31	SNA	
....5	AD480	2203-006908	C-CER,CHIP;100000nF,20%,6.3V,X5R,TP,3225	9	SA	
....5	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
....5	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1	24	SNA	
....5	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608,	19	SA	
....5	AD480	2203-007269	C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012,0	10	SNA	
....5	AD480	2203-007513	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0	71	SA	
....5	AD480	2203-007544	C-CER,CHIP;100nF,10%,50V,X7R,TP,1005	1	SA	
....5	AD480	2203-007563	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	1	SA	
....5	AD480	2203-007569	C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005	4	SA	
....5		2409-001191	C-ORGANIC,SMD;47uF,20%,20V,TP,7343(1.9T)	5	SA	
....5		2503-001051	C-NETWORK;100nFx4,20%,16V,2012	1	SA	
....5		2703-000158	INDUCTOR-SMD;1uH,10%,2012,.4Ohm,50mA,45,	3	SA	
....5		2703-001229	INDUCTOR-SMD;2.2uH,10%,1608,1.15Ohm,15mA	1	SC	
....5		2703-001938	INDUCTOR-SMD;56nH,5%,1005,1.5Ohm,200mA,1	3	SA	
....5		2703-003135	INDUCTOR-SMD;4.7uH,20%,6965,0.04Ohm,7000	2	SNA	
....5		2703-003263	INDUCTOR-SMD;3.3uH,20%,10.0x10.0mm,0.011	3	SNA	
....5		2703-003713	INDUCTOR-SMD;1.5uH,20%,7366,0.015ohm,700	4	SA	
....5		2801-000102	CRYSTAL-SMD;12MHz,30ppm,12pF,100ohm,TP	1	SA	
....5		2801-003331	CRYSTAL-SMD;28.6363MHz,30ppm,HC-49,16pF,	1	SA	
....5		2801-003856	CRYSTAL-SMD;0.032768MHz,20ppm,28-ACP,7pF	1	SNA	

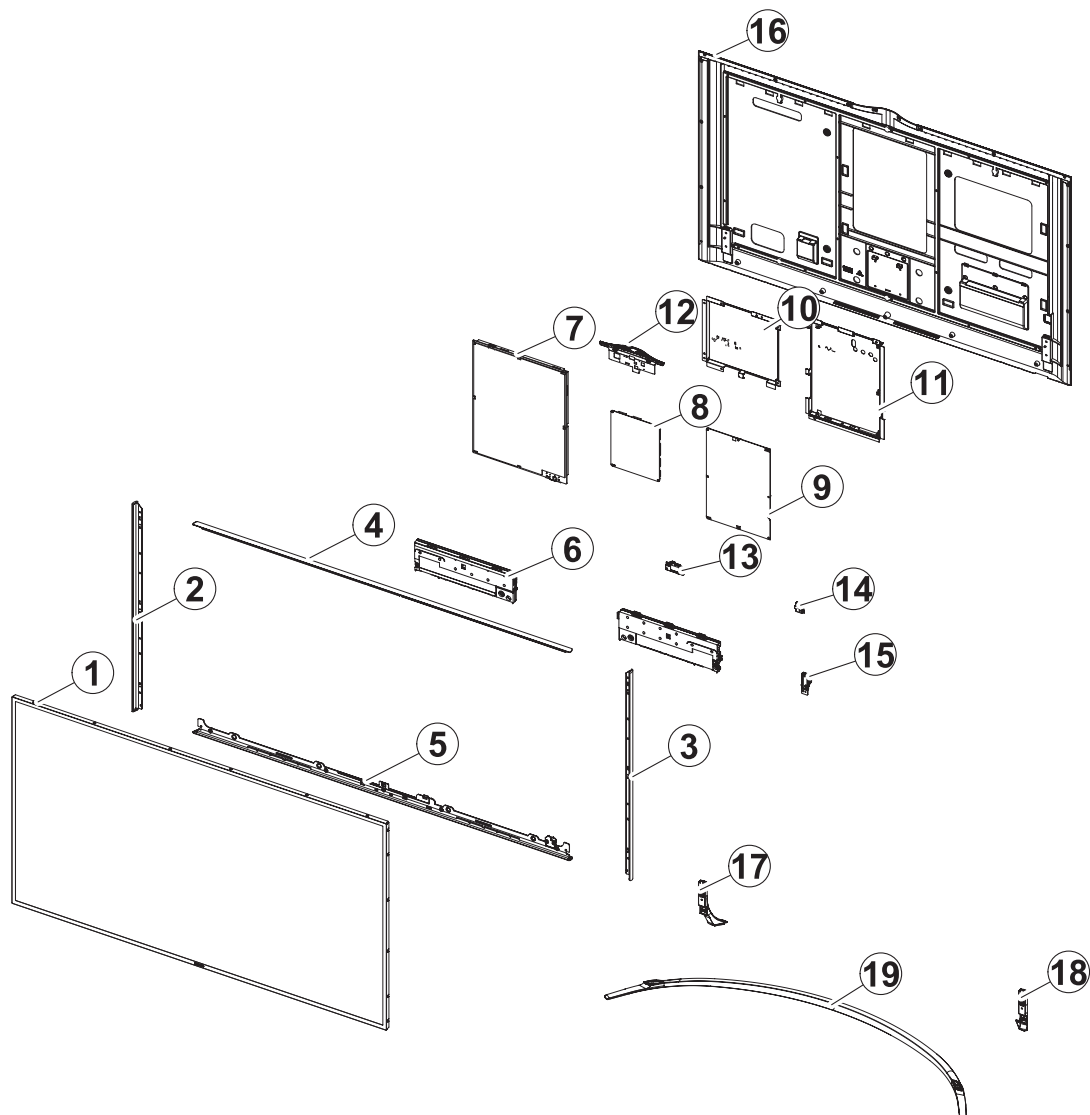
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		2801-004621	CRYSTAL-SMD;27MHz,15ppm,-,14pF,30ohm,TP	1	SA	
....5		2801-004813	CRYSTAL-SMD;24MHz,50ppm,8pF,100ohm,TP	2	SA	
....5		2801-004814	CRYSTAL-SMD;25MHz,50ppm,8pF,100ohm,TP	1	SA	
....5		2801-005291	CRYSTAL-SMD;12MHz,30ppm,4 PIN,16pF,100Oh	1	SNA	
....5		2801-005292	CRYSTAL-SMD;24.576MHz,30ppm,4 PIN,12pF,7	1	SA	
....5		2804-001900	OSCILLATOR-CLOCK;25MHz,50ppm,15pF,TP,3.3	1	SA	
....5		2806-001308	OSCILLATOR-VCXO;27MHz,-,30PF,TP,3.3V,50M	1	SA	
....5		2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....5		3301-001727	BEAD-SMD;120ohm,1005,TP,100MHz,-	3	SNA	
....5		3301-002039	BEAD-SMD;26ohm,1608,TP	56	SA	
....5		3404-001379	SWITCH-TACT;12V,50mA,250gf,4.9x4.9x1.5mm	1	SA	
....5		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,PL	2	SA	
....5		3701-001861	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-A,AU	4	SA	
....5		3707-001104	CONNECTOR-OPTICAL;SMD-A(Ultra Slim),SPDI	1	SA	
....5		3710-003900	SOCKET-INTERFACE;34P,2R,0.5mm,SMD-A,AU,B	1	SA	
....5	EH01	3711-007814	HEADER-BOARD TO CABLE;BOX,4P,1R,1.25mm,S	1	SA	
....5		3722-003044	JACK-USB;4P/1C,NI,BLK,SMD-A,A-TYPE	2	SA	
....5		3722-003199	JACK-MODULAR;8P/8C,ANGLE,AU,1P	1	SA	
....5		3722-003657	JACK-PHONE;1P/7C,P-BRONZE,BLK,ANGLE	3	SA	
....5		3722-003665	JACK-PHONE;1P/7C,AU/NI,YEL,ANGLE	2	SA	
....5		3722-003666	JACK-PHONE;1P/7C,AU/NI,GRN,ANGLE	1	SA	
....5	ET01	BN40-00248A	TUNER;DTSV20EIH035A,DTSV20EIH035A,VSB-Ha	1	SA	
....5		BN41-02038D	PCB MAIN;UHD,FR-4,8,D,1.6T,350*100,1	1	SNA	
....5		BN68-04746A	LABEL-SMD;all model,POLY*,25.4mm x 9.53m	1	SNA	
....5		BN97-07316A	ASSY MICOM;MAINFPGA_v1094,2013.06.21	1	SNA	
....6		1107-002210	IC-NOR FLASH;W25Q128FVSI,128Mbit,128Mx1	1	SNA	
....5		BN97-07373A	ASSY MICOM;T-FOXAUS6-1007,2013.07.04	1	SNA	
....6		0903-001863	IC-MICROCONTROLLER;WT61P807-RG48,LQFP,48	1	SNA	
....5		BN97-07387A	ASSY MICOM-BLASTER;Blaster-Version:3.03,	1	SNA	
....6		BN13-00063A	PLD;MAXQ610J,QFN,44	1	SNA	
..3		BN98-04901A	ASSY K/D-PACKING MATERIAL;UF9Z	1	SNA	
...4		0203-001269	TAPE-OPP MASKING;#301,T0.06,W75,L50000,N	0	SNA	
...4		6902-000314	BAG AIR CAP;LDPE,T0.05,W400,L400,TRP,6.6	1	SNA	
...4		6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	0	SNA	
...4		6922-000003	BAND PP;PP,T0.8,W18,L1650M,TRP,DA69-9014	0	SNA	
...4		AA61-30009A	LOCKER-BAND,CLIP;SPC-1,18MM T0.5	1	SNA	
...4		AA69-05481V	PALLET-CKD,4;CKD,PAPER,1110,870,120	1	SNA	
...4		AA69-06097N	PAD-CROSS;CB,SW,832,100	1	SNA	
...4		AA69-06097P	PAD-CROSS;CB,SW,524,100	1	SNA	
...4		AA69-06104Q	PAD-PLATE;CB,DW,745,515	1	SNA	
...4		AA69-06111C	MASTER CARTON;CB,DW-2,840,535,235	1	SNA	
...4		BN69-00391T	PAD-ANGLE;CB,T5,W1950,L50,YEL,427.000g	1	SNA	
0.2	M0014	BN94-06669B	ASSY PCB MISC-MAIN;DP,BN94-06654B	1	SA	
1	ACCE1	BN92-13415B	ASSY ACCESSORY;UF9Y	1	SNA	
0.2		BN68-05418B	LEAFLET-ONE CONNECT;UF9000,ALL,W/W,ART 1	1	SNA	
0.2	3DGLA	BN96-25617A	ASSY ACCESSORY 3D GLASSES;SSG-5100GB,In	1	SC	
0.2	ACCE1	BN96-28150A	ASSY ACCESSORY;UN55/65F9000AFXZA	1	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..3	T0268	3903-000598	CBF-POWER CORD;DT,UL/CSA,EP-2,N,125V,5A,	1	SA	
..3		4301-000103	BATTERY-ALKALINE;1.5V,750mAH,LR03,10.2x4	4	SNA	
..3	REMO1	AA59-00758A	REMOCON-SMART TOUCH CONTROL;TM1390,14,80	1	SA	
..3	REMO2	AA59-00784C	REMOCON;TM1260B,52,3.0V,NETFLIX, AMAZON	1	SA	
..3	EC08	BN39-01154C	CBF SIGNAL;Chelsea Slim, STEREO Plug to	1	SA	
..3	EC07	BN39-01154H	CBF SIGNAL;UE40B7000WWXXC,3P RCA,30AWG,1	2	SA	
..3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
..3		BN68-04972A	MANUAL FLYER-02,REGULATORY GUI;ALL,SAMSU	1	SNA	
..3		BN68-05426A	MANUAL USERS;UF9000,SAMSUNG,ENG,UNITED S	1	SNA	
..3		BN68-05427A	LEAFLET-QSG;UF9000,SAMSUNG,Eng,North Ame	1	SNA	
..3		BN69-08751A	WRAP VINYL-SHRINK;STAND,PLASTIC OTHERS,P	0	SNA	
..3		BN69-09209A	BOX-01,ACCESSORY;F8000_ACCESSORY,CB,NONS	1	SNA	
..3		BN69-09210A	PAD-TYPE;F8000_ACCESSORY,CB,W461,L327,CB	1	SNA	
..3		BN69-09213A	PAD-TYPE;F8000_ACCESSORY,PAPER,W366,L212	1	SNA	
..3	FLIB	BN96-26652A	ASSY CABLE P;IR BLASTER,IR BLASTER CABL,	1	SA	
1		BN92-13416F	ASSY LABEL;UF9Y	1	SNA	
0.2		0203-001598	TAPE-FILAMENT;#8915,0.15,12,55000,CLR	0	SNA	
0.2		BN68-05050A	LABEL RATING;ALL,SS,PE,T0.05,93,73,Dark	1	SNA	
0.2		BN68-05407B	LABEL-STICKER;UN65F9000AFXZA,ZA,PET,T0.1	1	SNA	
0.2		BN68-05444A	LEAFLET-STOP GUIDE;ALL,SAMSUNG,ENG,USA,W	1	SNA	
1		BN92-13428B	ASSY BOX;UF9000,65	1	SNA	
0.2	T0077	BH68-00329D	LABEL BAR CODE-02;NO CE,NO WT`Y,MPRII,LA	1	SNA	
0.2		BN69-09330B	BOX-SET,OUT;65UF9000,CB,C-03,DW3,YEL,W17	1	SNA	
0.2		BN69-09331A	BOX-SET,IN;65UF9000,CB,C-01,DW1,YEL,W214	1	SNA	
1		BN92-13429B	ASSY P/MATERIAL;UF9000,65	1	SNA	
0.2		6902-000961	BAG PE;NITRON,T0.015/T0.5,W1700,L1100,TR	1	SNA	
0.2		6902-001862	BAG PE;HDPE/NITRON,T0.015/T0.5,W200,L500	1	SNA	
0.2		6922-000013	BAND PP;PP,W18,L2300/L2900,TRP	1	SNA	
0.2	T0214	AA61-20285C	HOLDER-BOX;CORAL,PP,BLACK,HB,17.5g	4	SNA	
0.2		BN02-00102B	TAPE FILAMENT;UE7000,#893,0.15,25,50,WHI	1	SNA	
0.2		BN68-02422B	LABEL-WARNING SHIPPING;ALL MODEL,A/P 100	1	SNA	
0.2		BN69-00391E	PAD-ANGLE;DI19PS,PAPER,T5,50,1500,YEL	1	SNA	
0.2		BN69-09124A	PAD-EPE;85S9-JACK-PACK,EPE,W130,D60,H66,	2	SNA	
0.2		BN69-09151A	BOX-ACCESSORY;85S9,CB,SW-E-BLACK,OFFSET,	1	SNA	
0.2		BN69-09261A	CUSHION-SET;65UF9000,EPS,16.7g/L,W/W	1	SNA	
0.2		BN74-00008D	TAPE-OPP MASKING;OPP,T0.05,W75,L800M,CLR	2	SNA	

ANNEX. Exploded View & Part List [UN55F9000AFXZA TS01]

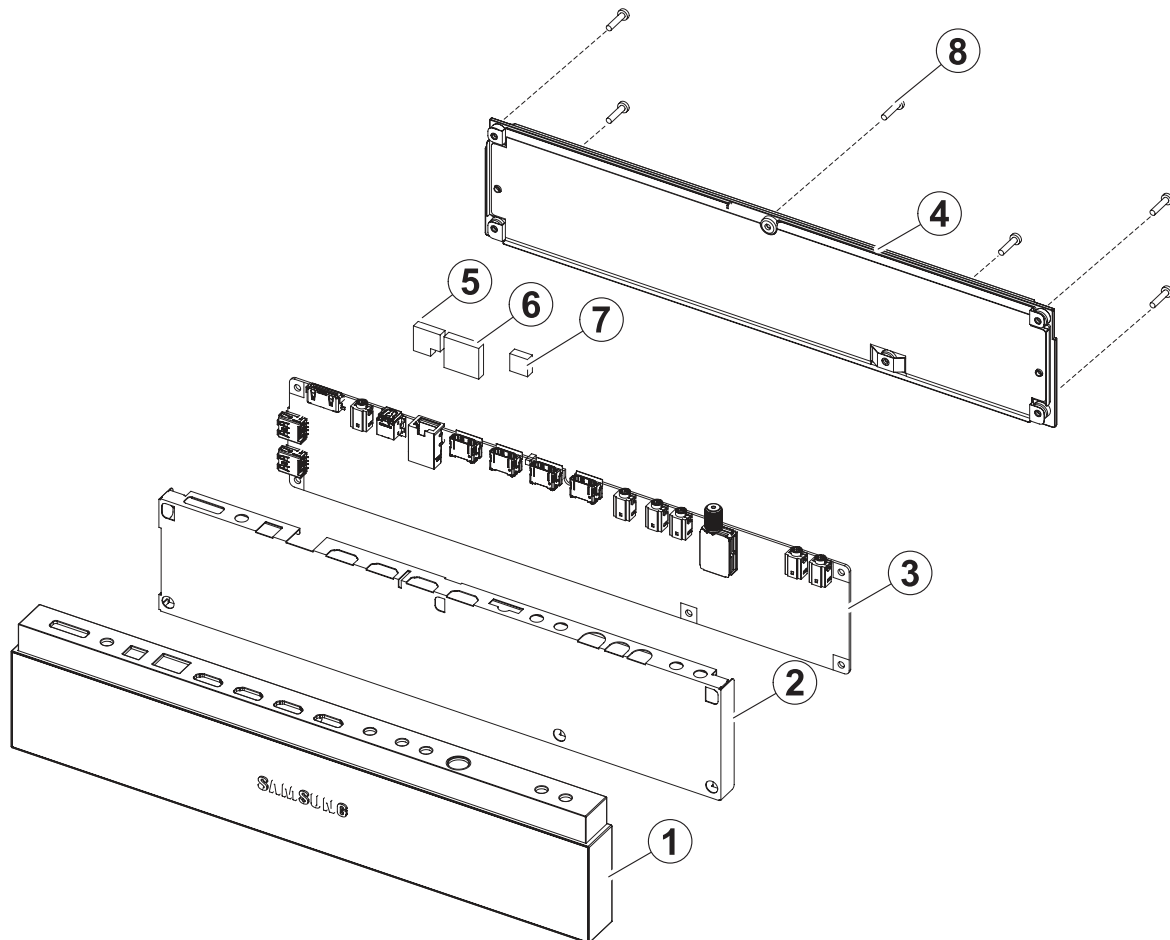
1-1. Exploded View



1-1-1. Parts List

No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
1	BN95-01152A	PRODUCT LCD-AMLCD; CY-KF550FSLV1V,10 bit,	1	SA	
2	BN61-09707A	SUPPORT-R; UF9000 55",AL,SIL *,Extruding,	1	SA	
3	BN61-09706A	SUPPORT-L; UF9000 55",AL,SIL *,Extruding,	1	SA	
4	BN63-11256A	COVER-FRAME, TOP; UF9000 55",AL,Extruding,	1	SA	
5	BN96-29251A	ASSY COVER P-DECORATION; UF9000,55,PC+G/F	1	SA	
6	BN96-29039A	ASSY SPEAKER P; Mid-WF 6ohm, TW 6ohm,Mid-	1	SA	
7	BN44-00675A	DC VSS-LED PD BD; L65D2L_DSM,L65D2L_DSM,A	1	SA	
8	BN94-06621A	ASSY PCB MISC-FRC; UHD 120Hz	1	SA	
9	BN94-06669A	ASSY PCB MISC-MAIN; DP,BN94-06654A	1	SA	
10	BN96-29686A	ASSY SHIELD P-PCB,FRC; US9000,55,SECC	1	SNA	
11	BN96-29611A	ASSY SHIELD P-PCB,MAIN; UF9000,55/65,W/W,	1	SNA	
12	BN96-29221A	ASSY MISC P-AQUILA_UD6; AQUILA_UD6,TV Cam	1	SA	
13	BN59-01161A	NETWORK; WIDT-30Q,Internal WiFi,USB,IEEE8	1	SA	
14	BN96-25376A	ASSY BOARD P-RF-MODULE; Bluetooth Module,	1	SA	
15	BN96-29508A	ASSY BOARD P-JOG FUNCTION; S9,SUNGJI,FR-4	1	SA	
16	BN96-29249A	ASSY COVER P-REAR; UF9000,55,PC+ABS+G/F15	1	SA	
17	BN61-08913A	BRACKET-STAND,SUPPORT-R; UF8000 55",ALCOT	1	SNA	
18	BN61-08916A	BRACKET-STAND,SUPPORT-L; UF8000 55",ALCOT	1	SNA	
19	BN96-26493A	ASSY STAND P-BASE; UF8000 55,EUROPE/NTSC	1	SA	

1-2. ONE CONNECT Exploded View



1-2-1. ONE CONNECT Parts List

No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
1	BN96-29253A	ASSY COVER P-JACK; UF9000,55,ABS+PC,BLK	1	SA	
2	BN96-29259A	ASSY SHIELD P-TOP; US9000,55,EGI-SECC	1	SA	
3	BN94-06653A	ASSY PCB MISC-ACKPACK; UF9Y	1	SNA	
4	BN96-29260A	ASSY SHIELD P-BOTTOM; US9000,65,SECC	1	SA	
5	BN62-00424A	PAD GAP; UN85S9AF,SILICON,2.5mm 0.25mm,3	1	SA	
6	BN62-00423A	PAD GAP; UN85S9AF,SILICON,2.5mm 0.25mm,2	1	SA	
7	BN62-00422A	PAD GAP; UN85S9AF,SILICON,2.5mm 0.25mm,2	1	SA	
8	6003-001086	SCREW-TAPTYPE; BH,+,-,B,M3,L12,ZPC(BLK),S	6	SA	

2-1. Electrical Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
			UN55F9000AFXZA TS01			
1	S001A	BN90-04482A	ASSY STAND;UF8000 55,NORTH AMERICA	1	SNA	
0.2	SB04A	BN96-26493A	ASSY STAND P-BASE;UF8000 55,EUROPE/NTSC	1	SA	
..3	SCREW	6003-001321	SCREW-TAPTYPE;BH,+,B,M4,L8,ZPC(BLK),SWRC	2	SA	
..3		BN61-08904A	BRACKET-STAND,BASE-R;UF8000 55",ALCOT,RI	1	SNA	
..3		BN61-08909A	BRACKET-STAND,BASE-L;UF8000 55",ALCOT,LE	1	SNA	
..3		BN67-00338B	RUBBER-FOOT;SB530,Sillicone,L10.W10,T2.0	2	SNA	
..3		BN67-00437A	RUBBER-FOOT;STAND,SILICON,63*22,T2.0,GRA	1	SNA	
0.2	SR01A	BN96-26503A	ASSY STAND P-SUPPORT-R;UF8000 55,EUROPE/	1	SA	
..3		BN61-08913A	BRACKET-STAND,SUPPORT-R;UF8000 55",ALCOT	1	SNA	
0.2	SR02A	BN96-28051A	ASSY STAND P-SUPPORT-L;UF8000 ,55,EUROPE	1	SA	
..3		BN61-08916A	BRACKET-STAND,SUPPORT-L;UF8000 55",ALCOT	1	SNA	
..3		BN69-08997A	WRAP VINYL-SHRINK;STAND,PET,0.020,W70,L1	0	SNA	
..3		BN96-27902A	ASSY ACCESSORY-SCREW;BN61-09494A . 8EA L	1	SNA	
...4		6902-000341	BAG PE;LDPE,T0.05,L90,W70,TRP,,,PE MARK	1	SNA	
...4		BN61-09494A	HOLDER-EMI BOLT;BH+,SWRCH18A,L12,M4,S TY	8	SA	
1		BN90-05012A	ASSY COVER MIDDLE;UF9000,55	1	SNA	
0.2		6001-002996	SCREW-MACHINE;FH,+,M3.0,L5.0,ZPC(BLK),SW	13	SA	
0.2	SCREW	6003-001010	SCREW-TAPTYPE;FH,+,B,M3,L6,ZPC(WHT),SWRC	2	SA	
0.2		BN61-09706A	SUPPORT-L;UF9000 55",AL,SIL*,Extruding,	1	SA	
0.2		BN61-09707A	SUPPORT-R;UF9000 55",AL,SIL*,Extruding,	1	SA	
..3	AS108	AK63-00946K	SHEET-PROTECTION;F9000 55/65inch,PET,0.0	1	SNA	
0.2		BN63-11256A	COVER-FRAME, TOP;UF9000 55",AL,Extruding,	1	SA	
..3	AS108	AK63-00946R	SHEET-PROTECTION;F9000 55/65inch,PET,0.0	1	SNA	
0.2		BN96-29251A	ASSY COVER P-DECORATION;UF9000,55,PC+G/F	1	SA	
..3	EC13	BN39-01777C	LEAD CONNECTOR;F9000,Lead connector,UL 1	1	SNA	
..3	FD01	BN63-11254A	COVER-DECORATION;UF9000 55",PC+G/F(15%),	1	SNA	
..3		BN96-29541A	ASSY BOARD P-IR FUNCTION;F9000,SUNGJI,FR	1	SA	
..3		BN96-29685A	ASSY BLU P-LOGO;UN55F9000,M13-F9000-AA,B	1	SNA	
1	R001A	BN90-05014A	ASSY COVER REAR;UF9000,55,Arch	1	SNA	
0.2		6001-002755	SCREW-MACHINE;BH,+,M3,L6,ZPC(BLK),SWRCH1	17	SA	
0.2	R001A	BN96-29249A	ASSY COVER P-REAR;UF9000,55,PC+ABS+G/F15	1	SA	
..3		6001-002756	SCREW-MACHINE;BH,+,M3,L6,ZPC(WHT),SWRCH1	14	SA	
..3		AH63-02973A	GASKET;HW-E550,Conductive Fabric,10,6,20	20	SNA	
..3		BN02-00040G	TAPE DOUBLE FACE-COVER NECK;F9000 55,acr	0	SNA	
..3		BN02-00040H	TAPE DOUBLE FACE-COVER REAR;F9000 55/65,	5	SNA	
..3		BN60-00162Y	SPACER-FOAM;FOAM,50000mm,DARK GRAY,0.35T	1	SNA	
..3		BN61-09126B	MAGNET-COVER;UF9000 55/65,MAGNET*,T2,D8	3	SNA	
..3		BN61-09708A	SUPPORT-REAR;UF9000 55",AL,1074mm,SILVER	1	SNA	
..3		BN61-09708B	SUPPORT-REAR;UF9000 55",AL,998mm,SIL*,Ex	1	SNA	
..3		BN61-09708C	SUPPORT-REAR;UF9000 55",AL,504mm,SIL*,Ex	1	SNA	
..3		BN61-09708D	SUPPORT-REAR;UF9000 55",AL,565mm,SIL*,Ex	2	SNA	
..3		BN61-09708E	SUPPORT-REAR;UF9000 55",AL,434mm,SIL*,Ex	1	SNA	
..3	CCM1	BN63-05199P	COVER-SHEET;AMBER,PE,T0.08,W1000,200M,CL	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..3		BN63-05199W	COVER-SHEET;PD490,PE,T0.08,W70mm,200M,CL	4	SNA	
..3		BN63-08573G	COVER-SHEET;F9000 55/65,PE,T0.08,13mm,10	0	SNA	
..3	R001	BN63-11248A	COVER-REAR;UF9000 55",PC+ABS G/F20%,V1,B	1	SNA	
..3		BN63-11250A	COVER-REAR,MASK;UF9000 55",AL, VCM,T0.6,	1	SNA	
..3		BN68-05423C	LABEL-TERMINAL,BOT;UF9000,PET,T0.125,UO	1	SNA	
0.2	FC05A	BN96-29253A	ASSY COVER P-JACK;UF9000,55,ABS+PC,BLK	1	SA	
..3		BN61-08900A	BRACKET-MAGNET, JACK;UF 8000 55",STAINLE	3	SNA	
..3	CCM1	BN63-05199K	COVER-SHEET;AMBER,PE,T0.08,W120mm,200M,C	0	SNA	
..3	FC05	BN63-11249A	COVER-JACK;UF9000 55",ABS+PC,V0,BK0008	1	SNA	
1		BN90-05051A	ASSY W/I;UF9000,55	1	SNA	
0.2		BN81-08159Z	PART SET-ELEC W/I;UF4* ~ UF8* ELEC	1	SNA	
0.2		BN81-08367U	PART SET-MECH W/I;UF9Y,U55FA*	1	SNA	
1		BN91-11290A	ASSY LCM-AMLCD;BN95-01152A,CY-KF550FSLV1	1	SNA	
0.2	EC13	BN39-01773M	LEAD CONNECTOR;F9000,Lead connector,UL 2	1	SA	
0.2		BN44-00675A	DC VSS-LED PD BD;L65D2L_DSM,L65D2L_DSM,A	1	SA	
0.2		BN62-00485A	PAD GAP;F9000,PAD GAP,9.5T,50mm,50mm,13F	1	SNA	
0.2	MF10A	BN94-06666A	ASSY PCB MISC-FRC;DP,BN94-06621A	1	SNA	
..3	MF10A	BN94-06621A	ASSY PCB MISC-FRC;UHD 120Hz	1	SA	
...4		BN62-00273B	HEAT SINK-PS;TV Echo-P,A5052,5t,BLACK,40	2	SNA	
...4		BN97-07579A	ASSY SMD;BN94-06621A	1	SNA	
....5		0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA	
....5		0505-001844	FET-SILICON;SI4435DDY-T1-GE3,P,-30V,-11.	1	SA	
....5		0801-002779	IC-CMOS LOGIC;74LVC1G125,BUS BUFFER,SOT-	1	SA	
....5		0801-003424	IC-CMOS LOGIC;74VHCV541,Octal schmitt bu	1	SA	
....5		1204-003426	IC-VIDEO PROCESS;SENK82,HS BGA,734Q,31x3	2	SA	
....5	IS01	1209-002183	IC-SENSOR;S-5851AAA-M6T1U,SOT,6Z30,2.9x1	1	SA	
....5		2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	20	SA	
....5		2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	2	SA	
....5		2007-000614	R-CHIP;24Kohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005,0.35	1	SA	
....5		2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007721	R-CHIP;560ohm,1%,1/10W,TP,1608	2	SA	
....5		2007-008263	R-CHIP;3Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	3	SNA	
....5		2011-001262	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2.	8	SA	
....5	AD480	2203-000627	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005	2	SNA	
....5	AD480	2203-000679	C-CER,CHIP;0.027nF,5%,50V,C0G,TP,1005	2	SA	
....5	AD480	2203-006698	C-CER,CHIP;1000nF,10%,25V,X7R,TP,1608,0.	2	SA	
....5		2409-001118	C-POLYMER ,CHIP;47uF,20%,10V,WT,TP,3.5X2	2	SA	
....5		2703-003790	INDUCTOR-SMD;4.7uH,20%,8080,0.025ohm,450	2	SA	
....5		2703-004145	INDUCTOR-SMD;2.2uH,20%,6.5 x 6.9mm,0.20o	2	SNA	
....5		2801-003773	CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh	1	SA	
....5		2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
....5		3708-003043	CONNECTOR-FPC/FFC/PIC;80P,0.5mm,SMD-A+DI	1	SA	
....5		3708-003140	CONNECTOR-FPC/FFC/PIC;20P,0.5mm,SMD-A+DI	1	SA	
....5		3711-002050	CONNECTOR-HEADER;BOX,10P,1R,1.25mm,SMD-A	2	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5	EH01	3711-005925	HEADER-BOARD TO CABLE;BOX,51P,1R,0.5mm,S	2	SA	
....5	EH01	3711-006395	HEADER-BOARD TO CABLE;BOX,41P,2R,0.5 mm,	1	SA	
....5	EH01	3711-007803	HEADER-BOARD TO CABLE;BOX,12P,1R,1.25mm,	1	SA	
....5	EH01	3711-008441	HEADER-BOARD TO CABLE;BOX,24P,2R,2mm,ANG	1	SA	
....5	EH01	3711-008558	HEADER-BOARD TO CABLE;BOX,26P,2R,1.25mm,	2	SA	
....5		BN41-02076A	PCB MAIN;uhd_55_65inch_nt72314,FR-4,4,1.	1	SNA	
....5		BN97-07594A	ASSY MICOM;T-NT9S5M-010E,2013.07.03	1	SNA	
....5		BN97-07595A	ASSY MICOM;T-NT9S5S-010E,2013.07.03	1	SNA	
....6		1107-002223	IC-NOR FLASH;W25Q16DVSSIG,16Mbit,2Mbitx8	1	SNA	
..3		BN98-04949A	ASSY K/D-PACKING ASSY FRC;BN41-02076A	1	SNA	
...4		6902-000359	BAG AIR CAP;LDPE,T0.05,W280,L250,PINK,No	1	SNA	
...4		AA69-05399U	MASTER CARTON;CB,DW,515,445,235	1	SNA	
...4		AA69-05401H	PALLET-CKD,4;CKD,PAPER,1060,920,120	1	SNA	
...4		AA69-05408H	PAD-PLATE;CB,DW,505,435	1	SNA	
...4		AA69-05409N	PAD-CROSS;CB,DW,505,210	1	SNA	
...4		AA69-05409P	PAD-CROSS;CB,DW,436,210	1	SNA	
0.2	PANEL	BN95-01152A	PRODUCT LCD-AMLCD;CY-KF550FSLV1V,10 bit,	1	SA	
..3		0203-001602	TAPE-OPP MASKING;#232,0.14,15,50000,YEL	0	SNA	
..3		6001-002757	SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1	12	SA	
..3		6001-002912	SCREW-MACHINE;CH,+,M3,L3,ZPC(BLK),SWRCH1	24	SNA	
..3		6001-003016	SCREW-MACHINE;PWH,+,M3.0,L5.0,ZPC(WHT),S	4	SA	
..3	T0527	AA68-03539A	LABEL BAR CODE;65X40mm,ART PAPER	1	SNA	
..3		BN02-00102B	TAPE FILAMENT;UE7000,#893,0.15,25,50,WHI	0	SNA	
..3		BN02-00114A	TAPE ETC-COF;NNB 55",PET,0.07T,20,12,GRE	4	SNA	
..3		BN02-00145D	TAPE PET-MASKKIING;F9K,PET(BASE FILM),0.	4	SNA	
..3		BN68-03216A	LABEL-STICKER;WW,Yupo Polyester,80X40,AV	1	SNA	
..3		BN73-00282A	SILICON/RUBBER-GAPPAD;UC9Z,SILICON+POLYM	1	SNA	
..3		BN74-00053A	TAPE-PROTECTION;T460BE1-FB,T550BE1-FB,3M	4	SNA	
..3		BN90-05011A	ASSY MISC-BLU;UD 9K 55	1	SNA	
...4		6001-003010	SCREW-MACHINE;CH,+,M3,L6,ZPC(BLK),SWRCH1	18	SNA	
...4		BN02-00102B	TAPE FILAMENT;UE7000,#893,0.15,25,50,WHI	0	SNA	
...4		BN02-00231A	TAPE ETC-SHEET FIXING(C);Y13 F9K,PC,0.7T	2	SNA	
...4		BN02-00232A	TAPE ETC-SHEET FIXING(S);Y13 F9K,PC,0.7T	4	SNA	
...4		BN61-09716A	LGP-LED;55inch UD, Lenticular,MS,1221.2	1	SNA	
...4		BN63-11330A	SHEET-PRISM;F9K_55inch_UTE34G,PET,0.3,12	1	SNA	
...4		BN63-11331A	SHEET-DBEF;F9K 55inch DBEF,PET,0.4,1211.	1	SNA	
...4		BN63-11332A	SHEET-REFLECTOR;F9K 55inch_RL90TL,PET,0.	1	SNA	
...4		BN63-11359A	SHEET-DIFFUSER;F9K_55inch_CH154B,PET,0.3	1	SNA	
...4		BN96-29071A	ASSY MISC P-LED BAR;55inch UHD LED bar l	1	SNA	
...4		BN96-29072A	ASSY MISC P-LED BAR;55inch UHD LED bar r	1	SNA	
...4		BN96-29081B	ASSY MISC P-CHASSIS BOTTOM;Y13 F9K 55",S	1	SNA	
....5		6001-002912	SCREW-MACHINE;CH,+,M3,L3,ZPC(BLK),SWRCH1	6	SNA	
....5		6001-003016	SCREW-MACHINE;PWH,+,M3.0,L5.0,ZPC(WHT),S	4	SA	
....5		BN02-00040B	TAPE DOUBLE FACE-DIFFUSER FIXING;NNB 32/	1	SNA	
....5		BN02-00102B	TAPE FILAMENT;UE7000,#893,0.15,25,50,WHI	0	SNA	
....5		BN02-00113A	TAPE ETC-FIXING WIRE;Y12 NNB2,PET,0.05T,	1	SNA	
....5		BN02-00235A	TAPE THERMAL-GRAPHITE L;Y13 F9K 55",E-GR	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		BN02-00236A	TAPE THERMAL-GRAPHITE R;Y13 F9K 55",E-GR	1	SNA	
....5		BN02-00238A	TAPE THERMAL-GRAPHITE REAR L;Y13 F9K 55"	1	SNA	
....5		BN02-00239A	TAPE THERMAL-GRAPHITE REAR R;Y13 F9K 55"	1	SNA	
....5	EC13	BN39-01853A	LEAD CONNECTOR;UD 55inch Wire-harness_ L	1	SNA	
....5	EC13	BN39-01854A	LEAD CONNECTOR;UD 55inch Wire-harness_ RI	1	SNA	
....5		BN61-08235A	HOLDER-LGP;SNB,M3*L4.9*SCALOCK,trap,4.9,	2	SNA	
....5		BN61-08941A	BRACKET-STAND, PANEL;UF8000 55",SECC,T2.	2	SNA	
....5		BN61-09308A	BOSS-BOND;F8K,acrylate Modified,GREEN	7	SNA	
....5		BN61-09449A	BRACKET-STOPPER NUT;Y13 SF-LED,M2.6*D4.5	8	SNA	
....5		BN62-00440A	INSULATION-S-PCB L;Y13 F9K 55",MTU-100,0	1	SNA	
....5		BN62-00441A	INSULATION-S-PCB R;Y13 F9K 55",MTU-100,0	1	SNA	
....5		BN62-00442A	INSULATION-POWER BRD;Y13 F9K 55",,PC-FIL	1	SNA	
....5	CC02	BN64-02432B	CHASSIS-BOTTOM;UD 55 SDC,AL 3104,T1.2,Y2	1	SNA	
....5		BN64-02434A	CHASSIS-UPPER PLATE;UD 55,AL 3104,T0.5,Y	1	SNA	
...4		BN96-29114B	ASSY FRAME P-MOLD MIDDLE LR;Y13 F9K 55"	2	SNA	
....5		BN60-00846A	SPACER-PANEL-LR;Y13 F9K 55",SSP 40,0.4T,	2	SNA	
....5		BN60-00848A	SPACER-LGP-LR;Y13 F9K 55",SB00.188T+MKT-	2	SNA	
....5		BN61-09700B	FRAME-MOLD MIDDLE LR;UD 55 SDC,PC+G/F10%	2	SNA	
...4		BN96-29207A	ASSY FRAME P-MOLD MIDDLE U;Y13 F9K 55",S	1	SNA	
....5		BN61-09738A	FRAME-MOLD MIDDLE U;F9K 55,PC+G/F10%,WHI	1	SNA	
...4		BN96-29208A	ASSY FRAME P-MOLD MIDDLE D;Y13 F9K 55",S	1	SNA	
....5		BN02-00050A	TAPE DOUBLE FACE;SNB 55",SK2100HE,0.05,2	1	SNA	
....5		BN60-00843A	SPACER-PANEL-UD(A);Y13 F9K 55",SSP 40,0.	2	SNA	
....5		BN60-00844A	SPACER-PANEL-UD(B);Y13 F9K 55",SSP 40,0.	2	SNA	
....5		BN60-00847A	SPACER-LGP-UD;Y13 F9K 55",SI(SH0140U)0.2	2	SNA	
....5		BN61-09739A	FRAME-MOLD MIDDLE D;F9K 55,PC+G/F10%,WHI	1	SNA	
..3	FL06	BN96-24430C	ASSY CABLE P-FFC;E7000,FFC,NH,47mm□1,68	4	SNA	
..3	TC01A	BN96-29084B	ASSY MISC P-CHASSIS TOP;Y13 F9K 55",SDC,	1	SNA	
...4		BN63-07229G	COVER-SHEET;rose70",SILICONE,T0.052,W15m	3	SNA	
...4		BN63-10029A	COVER-SHEET;UE9500 75",urethane,T0.052,W	1	SNA	
...4	AC157	BN64-02430B	CHASSIS-TOP;UD 55 SDC,STAINLESS-ST304,T	1	SNA	
..3		BN96-29107B	ASSY COVER P-SOURCE;Y13 F9K 55" SDC,BN63	1	SNA	
...4		BN02-00249A	TAPE ETC-COVER SOURCE L;Y13 F9K 55,PET,0	1	SNA	
...4		BN02-00250A	TAPE ETC-COVER SOURCE R;Y13 F9K 55,PET,0	1	SNA	
...4		BN60-00554A	SPACER-SOURCE;SNB 40/46/55,Silicone-Rubb	8	SNA	
...4		BN61-02932N	BRACKET-STOPPER NUT;LED TV,M3,D7,L6.6,BR	5	SNA	
...4		BN61-09307A	BRACKET-STOPPER NUT;LED TV,M3*D11*L12.6	4	SNA	
...4		BN62-00464A	INSULATION-S-COVER L;Y13 F9K 55" SDC,PET	1	SNA	
...4		BN62-00465A	INSULATION-S-COVER R;Y13 F9K 55" SDC,PET	1	SNA	
...4		BN63-11275B	SHIELD-SOURCE COVER;UD 55,EGI-SECC,T0.6,	1	SNA	
..3		BN96-29198A	ASSY T CON P;LSF550FJ01-S,PCB-CONTROL,8b	1	SA	
..3		BN96-29200A	ASSY OPEN CELL;LSF550FJ01-A,8bit,55INCH,	1	SNA	
..3	SB05A	BN96-29272A	ASSY BRACKET P-STAND LINK;UF9000,55,65,E	1	SNA	
0.2	FL06	BN96-26511C	ASSY CABLE P-FFC;F9000,FFC,2H,95mm,41Pin	1	SA	
0.2	FL06	BN96-28071H	ASSY CABLE P-FFC;UHD55, F9000,FFC,2H,95m	1	SA	
1		BN91-11295D	ASSY SHIELD;UF9Y	1	SNA	
0.2		6001-003016	SCREW-MACHINE;PWH,+,M3.0,L5.0,ZPC(WHT),S	27	SA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2	SCREW	6003-001086	SCREW-TAPTYPE;BH,+,-,B,M3,L12,ZPC(BLK),S	6	SA	
0.2	EC13	BN39-01475V	LEAD CONNECTOR;UN55F6100,Falt Connector,	1	SA	
0.2	EC13	BN39-01807B	LEAD CONNECTOR;F9000,Lead connector,UL 2	1	SA	
0.2	EC13	BN39-01808B	LEAD CONNECTOR;F9000,Lead connector,UL 2	1	SA	
0.2	EC03		CBF SIGNAL;85S9,26P,coaxial,3000,UL,NTR	1	SA	
0.2	EC13	BN39-01822F	LEAD CONNECTOR;UN55S9,Lead Connector,UL2	1	SA	
0.2	EC13	BN39-01856A	LEAD CONNECTOR;UN55S9,Lead Connector,UL2	1	SA	
0.2	NW01	BN59-01161A	NETWORK;WIDT-30Q,Internal WiFi,USB,IEEE8	1	SA	
0.2		BN61-08936A	BRACKET-WALL, BOTTOM;UF8000 55",SECC,T2.	4	SNA	
0.2		BN61-09834A	BRACKET-GROUND;UF9000 55",SECC,T0.8	2	SNA	
0.2		BN62-00422A	PAD GAP;UN85S9AF,SILICON,2.5mm□0.25mm,2	1	SA	
0.2		BN62-00423A	PAD GAP;UN85S9AF,SILICON,2.5mm□0.25mm,2	1	SA	
0.2		BN62-00424A	PAD GAP;UN85S9AF,SILICON,2.5mm□0.25mm,3	1	SA	
0.2		BN62-00481A	PAD GAP;F9000,PAD GAP,4.5T,50mm,50mm,13E	4	SA	
0.2		BN62-00484A	PAD GAP;F9000,PAD GAP,9.5T,80mm,20mm,13F	1	SA	
0.2		BN63-00028A	GASKET-EMI;PC24PSA,17MM,26MM,100MM,EMI	5	SNA	
0.2		BN63-07188A	GASKET-EMI;PDP 850,Conductive Fabric,15m	2	SNA	
0.2		BN68-05450C	LABEL-JACKPACK;UD9000,ART PAPER,0.08,Bla	1	SNA	
0.2	FL06	BN96-22728J	ASSY CABLE P-FFC;UHD55 F9000,FFC,NH,180m	1	SA	
0.2	BT	BN96-25376A	ASSY BOARD P-RF-MODULE;Bluetooth Module,	1	SA	
..3	AS BT	BN81-08545A	A/S-BT;Bluetooth Module SCREW	1	SNA	
..3		BN97-07275A	ASSY MICOM-BLUETOOTH F/W;BN81-08385A	1	SNA	
...4		BN81-08385A	AS-BLUETOOTH F/W;BLUETOOTH F/W	1	SNA	
0.2	FL06	BN96-26671V	ASSY CABLE P-FFC;F9000,FFC,NH,185mm,20Pi	1	SA	
0.2	FL06	BN96-28071J	ASSY CABLE P-FFC;UHD55,F9000,FFC,2H,170m	1	SA	
0.2	SP01A	BN96-29039A	ASSY SPEAKER P;Mid-WF 6ohm, TW 6ohm,Mid-	1	SA	
0.2		BN96-29221A	ASSY MISC P-AQUILA_UD6;AQUILA_UD6,TV Cam	1	SA	
0.2		BN96-29254C	ASSY COVER P- TOP;UF9000,55,65,ABS+PC,V0	1	SA	
..3		BN63-11320A	COVER-SHEET;UF9000,SECC,T0.5,VCM	1	SNA	
...4		BN64-02417A	BADGE-BRAND;S9 UHD 85",Ni,0.05,L35mm,SIL	1	SNA	
..3		BN63-11321A	COVER-DECO;UF9000,ABS,HB,NC0001,CR Plati	1	SNA	
..3	T001	BN63-11322B	COVER-TOP;UF9000,ABS+PC,V0,BK0008	1	SNA	
0.2		BN96-29259A	ASSY SHIELD P-TOP;US9000,55,EGI-SECC	1	SA	
..3	T0073	AA63-01413U	GASKET-EMI;42Q7,Conductive Fabric Type,2	1	SNA	
..3	T0073	AA63-01528A	GASKET-EMI;63P7,Conductive Fabric,1.5,10	1	SNA	
..3		BN62-00443A	HEAT SINK-ASSY;UF9000,A1050,T2.0,SILVER,	1	SNA	
..3	AS223	BN63-10881B	SHIELD-TOP;UF9000 UHD 55",ET-SPTE,0.5	1	SNA	
..3		BN63-11111A	GASKET;UN85S9AFXZA,Conductive Fabric,3.5	1	SNA	
0.2		BN96-29260A	ASSY SHIELD P-BOTTOM;US9000,65,SECC	1	SA	
..3		BN61-04692A	BOSS-PRIMER;#94,SHEET,clear,35cps	0	SNA	
..3		BN61-07463C	BOSS-TAPE;SB970,acryl,T0.25,W15,Transpar	1	SNA	
..3		BN63-10997B	SHEET-INSULATOR;F9000,PC,0.43,345.6,69.6	1	SNA	
..3		BN63-11319A	SHIELD-BOTTOM;UF9000,SECC,T1.0	1	SNA	
..3	RB01	BN63-11328A	COVER-BOTTOM;UF9000,PC+ABS+G/F15%,V1,BK0	1	SNA	
..3		BN63-11366A	SHEET-GRAPHITE,BOT;UF9000,EVA 1 SIDE P32	1	SNA	
0.2		BN96-29508A	ASSY BOARD P-JOG FUNCTION;S9,SUNGJI,FR-4	1	SA	
0.2		BN96-29611A	ASSY SHIELD P-PCB,MAIN;UF9000,55/65,W/W,	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..3	M0131	AA63-01313A	GASKET;TORINO,Conductive Fabric,14mm,10m	1	SNA	
..3	M0131	BH63-00104A	GASKET;POSEIDON,Conductive Fabric,2mm,10	2	SNA	
..3	M0131	BN63-00792A	GASKET;NB21BS,Conductive Fabric,2mm,10mm	1	SNA	
..3		BN63-00967A	GASKET;NB17BS,CONDUCTIVE FAB,14MM,14MM,1	1	SNA	
..3	M0131	BN63-03597A	GASKET;TULIP,Conductive Fabric,15mm,13mm	1	SNA	
..3		BN63-03652A	GASKET;Dvorak,Conductive Fabric,2mm,8mm,	1	SNA	
..3		BN63-11253A	SHIELD-PCB,MAIN;UF9000 55"/65",PCM,T0.4	1	SNA	
0.2		BN96-29686A	ASSY SHIELD P-PCB,FRC;US9000,55,SECC	1	SNA	
..3	T0073	AA63-01110C	GASKET-EMI;42D5,Conductive Fabric,1.0,10	4	SNA	
..3		BN63-04077A	GASKET;PS63P71FHX,CONDUCTIVE ADHESIVE sp	1	SNA	
..3		BN63-07188A	GASKET-EMI;PDP 850,Conductive Fabric,15m	1	SNA	
..3		BN63-11418A	SHIELD-PCB,FRC;UF9000 55",SECC,T0.5	1	SNA	
..3	T0099	BN72-00337C	SPONGE-EMI-BACK;63P3,SHELD FROM,1,10,150	1	SNA	
0.2	M0131	BP63-00223A	GASKET;HLN507W1X/XAA,Conductive Fabric,2	2	SNA	
1	M0017	BN91-11396A	ASSY CHASSIS;UF9Y	1	SNA	
0.2		BN94-06665A	ASSY PCB MISC-JACK;DP,BNBN94-06653A	1	SA	
..3		BN94-06653A	ASSY PCB MISC-ACKPACK;UF9Y	1	SNA	
...4	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...4		BN97-07627A	ASSY SMD;BN94-06653A	1	SNA	
....5		0202-001899	SOLDER-CREAM;M705-GRN360-K2-VT,25-36um,S	3	SNA	
....5	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	4	SA	
....5		0403-001552	DIODE-ZENER;DDZ16,15.69/16.51V,500mW,SOD	1	SA	
....5		0403-001779	DIODE-ZENER;MMSZ5234BT1G,5.89/6.51V,500m	5	SA	
....5		0403-001785	DIODE-ZENER;NZH5V1B,4.94/5.2V,500mW,SOD-	9	SA	
....5		0403-001797	DIODE-ZENER;NZH3V0B,2.85/3.15V,500mW,SOD	9	SNA	
....5		0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	3	SA	
....5		0406-001200	DIODE-TVS;RCLAMP0504F,6/-V,150W,SC-70	2	SA	
....5		0501-000279	TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT-	1	SA	
....5		0505-002598	FET-SILICON;AP2317GN,P,-20V,-4.2A,0.052o	1	SA	
....5		0904-002714	IC-USC;QFN,28P,5.0mm X 5.0mm,12MHz,TP,PL	1	SA	
....5		1001-001686	IC-ANALOG MULTIPLEX;74LV4052,CMOS,TTSOP,	1	SA	
....5		1001-001820	IC-VIDEO SWITCH;SiI9575,SOP,176Z30,20X20	1	SNA	
....5		1001-001834	IC-VIDEO SWITCH;ADV7619KSVZ,TQFP,128P,16	1	SNA	
....5		1002-001749	IC-D/A CONVERTER;PCM5101A,24,TSSOP,20P,6	1	SA	
....5		1006-001509	IC-DRIVER/RECEIVER;MAX3222ECPWR,TSSOP,20	1	SA	
....5		1006-001565	IC-BUS TRANSCEIVER;USB3340-EZK-TR,QFN,32	1	SA	
....5		1103-001564	IC-EEPROM;S-24C512CI-J800,512Kbit,64Kx8,	1	SA	
....5		1105-002442	IC-DDR3 SDRAM;K4B2G1646E-BCK0,DDR3 1600,	2	SNA	
....5		1203-004363	IC-VOL. DETECTOR;SOT-23,3Z30,2.9x1.6mm,P	1	SA	
....5		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
....5		1203-006109	IC-POS.FIXED REG.;S-1206B33-M3T1G,SOT-2	1	SA	
....5		1203-006130	IC-POS.FIXED REG.;S-1172B25-U5T1G,SOT-8	1	SA	
....5		1203-006135	IC-POS.FIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
....5		1203-006136	IC-POS.FIXED REG.;AP1117D-18-GZ-13-89,T	7	SA	
....5		1203-006167	IC-POS.FIXED REG.;S-1172B12-U5T1G,SOT-8	1	SA	
....5		1203-006341	IC-DC/DC CONVERTER;TPS63020DSJ,SON-14,14	1	SA	
....5		1203-007018	IC-DC/DC CONVERTER;TPS54821RHL,QFN,14P,3	1	SA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		1203-007238	IC-PWM CONTROLLER;TPS54427,DDA,8P,4.8x3.	3	SNA	
....5		1203-007502	IC-DC/DC CONVERTER;AOZ3011PI,SO-8,8Z30,4	2	SA	
....5		1203-007547	IC-DC/DC CONVERTER;SN1202033DAPR,HTSSOP,	1	SA	
....5		1203-007707	IC-POS1.ADJUST REG.;AP7362ADJ,SO-8EP,8Z3	1	SA	
....5		1203-007757	IC-POS1.ADJUST REG.;TPS7A7001DDAR,SOIC-8	1	SA	
....5		1204-003401	IC-VIDEO PROCESS;SDP1201,FBGA,756Z30,27x	1	SA	
....5		1205-004385	IC-ETHERNET CONTROLLER;RTL8201F-VB-CGT,Q	1	SA	
....5		1205-004447	IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65	1	SA	
....5		1205-004692	IC-SWITCH;TPS2069CDBVR,SOT-23,5P,5.0x3.1	1	SNA	
....5		1205-004704	IC-SWITCH;AP2151W-7,SOT25,5Z30,3.1*3.0mm	1	SA	
....5		1301-002095	IC-FPGA;XC7K325T-1FFG900I,FPGA,900Z30,31	1	SA	
....5		1405-001271	VARISTOR;35V,20Vdc,5A,1.0x0.5x0.6mm,TP,1	11	SA	
....5		2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	3	SNA	
....5		2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	3	SA	
....5		2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
....5		2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	8	SA	
....5		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	47	SA	
....5		2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	6	SA	
....5		2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	4	SNA	
....5		2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	1	SA	
....5		2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
....5		2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	5	SA	
....5		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	90	SA	
....5		2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	7	SNA	
....5		2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	14	SA	
....5		2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	2	SA	
....5		2007-000219	R-CHIP;1.2Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-000591	R-CHIP;22ohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-000683	R-CHIP;3.3Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-000695	R-CHIP;3.3ohm,5%,1/10W,TP,1608	2	SNA	
....5		2007-000772	R-CHIP;33Kohm,1%,1/10W,TP,1608	4	SA	
....5		2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-000816	R-CHIP;390Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-001116	R-CHIP;680ohm,1%,1/10W,TP,1608	1	SA	
....5		2007-001168	R-CHIP;75ohm,5%,1/4W,TP,3216	3	SA	
....5		2007-001284	R-CHIP;4.7ohm,5%,1/16W,TP,1005	8	SNA	
....5		2007-001308	R-CHIP;200ohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-001313	R-CHIP;330ohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	8	SNA	
....5		2007-003015	R-CHIP;2.2ohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-007001	R-CHIP;3.9Kohm,5%,1/16W,TP,1005	1	SA	
....5		2007-007004	R-CHIP;12Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	10	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007136	R-CHIP;4.7Kohm,1%,1/16W,TP,1005	3	SNA	
....5		2007-007137	R-CHIP;1.2Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007139	R-CHIP;47Kohm,1%,1/16W,TP,1005	6	SA	
....5		2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	18	SA	
....5		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	14	SNA	
....5		2007-007311	R-CHIP;22Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007314	R-CHIP;5.6Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007315	R-CHIP;3.9Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	4	SA	
....5		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	9	SA	
....5		2007-007470	R-CHIP;7.5Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-007480	R-CHIP;130Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005	5	SNA	
....5		2007-007617	R-CHIP;2.49Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007697	R-CHIP;2.4Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-007698	R-CHIP;5.1Kohm,1%,1/16W,TP,1005	7	SA	
....5		2007-007720	R-CHIP;300Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007736	R-CHIP;510Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	5	SA	
....5		2007-007992	R-CHIP;1ohm,1%,1/10W,TP,1608	2	SA	
....5		2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	61	SA	
....5		2007-008117	R-CHIP;2.7Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-008294	R-CHIP;33ohm,1%,1/16W,TP,1005	8	SA	
....5		2007-008332	R-CHIP;11.5Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-008391	R-CHIP;6.34Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-008779	R-CHIP;0ohm,1%,1/16W,TP,1005	1	SA	
....5		2007-009138	R-CHIP;33Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-009853	R-CHIP;1.6Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2011-001396	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	SNA	
....5		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	5	SA	
....5		2011-001497	R-NETWORK;470ohm,5%,1/16W,L,CHIP,4P,TP,1	2	SNA	
....5		2011-001506	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,4P,TP,1	3	SA	
....5		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	2	SA	
....5		2011-001585	R-NETWORK;47ohm,5%,1/16W,L,CHIP-V,4P,TP,	1	SA	
....5		2011-001586	R-NETWORK;1Kohm,5%,1/16W,L,CHIP-V,4P,TP,	1	SNA	
....5		2011-001587	R-NETWORK;100ohm,5%,1/16W,L,CHIP-V,4P,TP	3	SA	
....5		2011-001590	R-NETWORK;47Kohm,5%,1/16W,L,CHIP-V,4P,TP	1	SNA	
....5	AD480	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	8	SA	
....5	AD480	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	3	SA	
....5	AD480	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005	6	SA	
....5	AD480	2203-000386	C-CER,CHIP;0.015nF,5%,50V,C0G,TP,1005	7	SA	
....5	AD480	2203-000425	C-CER,CHIP;0.018nF,5%,50V,C0G,TP,1005	5	SA	
....5	AD480	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	8	SA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5	AD480	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	4	SA	
....5	AD480	2203-000530	C-CER,CHIP;2.7nF,10%,50V,X7R,TP,1005,-	1	SNA	
....5	AD480	2203-000585	C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005	2	SA	
....5	AD480	2203-000761	C-CER,CHIP;330nF,10%,16V,X7R,TP,2012	1	SNA	
....5	AD480	2203-000812	C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005	9	SA	
....5	AD480	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608	2	SNA	
....5	AD480	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1608	2	SNA	
....5	AD480	2203-001211	C-CER,CHIP;8.2nF,10%,50V,X7R,TP,1608	1	SA	
....5	AD480	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1608	7	SA	
....5	AD480	2203-001634	C-CER,CHIP;33nF,10%,50V,X7R,TP,1608	1	SA	
....5	AD480	2203-001697	C-CER,CHIP;0.082nF,5%,50V,NP0,TP,1608	1	SNA	
....5	AD480	2203-002050	C-CER,CHIP;47nF,10%,50V,X7R,TP,1608	2	SA	
....5	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,TP,1005	29	SNA	
....5	AD480	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,TP,1005	1	SA	
....5	AD480	2203-005054	C-CER,CHIP;0.0047nF,0.25pF,50V,NP0,TP,10	1	SA	
....5	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	8	SA	
....5	AD480	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005,0.5T	18	SNA	
....5	AD480	2203-005481	C-CER,CHIP;47nF,10%,10V,X7R,TP,1005	1	SA	
....5	AD480	2203-005642	C-CER,CHIP;0.22nF,5%,50V,NP0,TP,1005	1	SNA	
....5	AD480	2203-006024	C-CER,CHIP;2200nF,10%,10V,X7R,TP,2012	2	SNA	
....5	AD480	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,TP,1005	204	SA	
....5	AD480	2203-006088	C-CER,CHIP;330nF,10%,10V,X7R,TP,1608	1	SA	
....5	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,TP,1005	1	SNA	
....5	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,0.5	68	SA	
....5	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,TP,2012	1	SNA	
....5	AD480	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0.	1	SA	
....5	AD480	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	12	SC	
....5	AD480	2203-006460	C-CER,CHIP;2200nF,10%,16V,X5R,TP,1608,-	1	SA	
....5	AD480	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,2012	3	SA	
....5	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	27	SNA	
....5	AD480	2203-006741	C-CER,CHIP;470nF,10%,25V,X5R,TP,1608,0.8	1	SNA	
....5	AD480	2203-006818	C-CER,CHIP;47000nF,20%,6.3V,X5R,TP,3216	3	SA	
....5	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608,-	20	SNA	
....5	AD480	2203-006890	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608	31	SNA	
....5	AD480	2203-006908	C-CER,CHIP;100000nF,20%,6.3V,X5R,TP,3225	9	SA	
....5	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
....5	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1	24	SNA	
....5	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608,	19	SA	
....5	AD480	2203-007269	C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012,0	10	SNA	
....5	AD480	2203-007513	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0	71	SA	
....5	AD480	2203-007544	C-CER,CHIP;100nF,10%,50V,X7R,TP,1005	1	SA	
....5	AD480	2203-007563	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	1	SA	
....5	AD480	2203-007569	C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005	4	SA	
....5		2409-001191	C-ORGANIC,SMD;47uF,20%,20V,TP,7343(1.9T)	5	SA	
....5		2503-001051	C-NETWORK;100nFx4,20%,16V,2012	1	SA	
....5		2703-000158	INDUCTOR-SMD;1uH,10%,2012,.4Ohm,50mA,45,	3	SA	
....5		2703-001229	INDUCTOR-SMD;2.2uH,10%,1608,1.15Ohm,15mA	1	SC	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		2703-001938	INDUCTOR-SMD;56nH,5%,1005,1.5Ohm,200mA,1	3	SA	
....5		2703-003135	INDUCTOR-SMD;4.7uH,20%,6965,0.04Ohm,7000	2	SNA	
....5		2703-003263	INDUCTOR-SMD;3.3uH,20%,10.0x10.0mm,0.011	3	SNA	
....5		2703-003713	INDUCTOR-SMD;1.5uH,20%,7366,0.015ohm,700	4	SA	
....5		2801-000102	CRYSTAL-SMD;12MHz,30ppm,12pF,100ohm,TP	1	SA	
....5		2801-003331	CRYSTAL-SMD;28.6363MHz,30ppm,HC-49,16pF,	1	SA	
....5		2801-003856	CRYSTAL-SMD;0.032768MHz,20ppm,28-ACP,7pF	1	SNA	
....5		2801-004621	CRYSTAL-SMD;27MHz,15ppm,-,14pF,30ohm,TP	1	SA	
....5		2801-004813	CRYSTAL-SMD;24MHz,50ppm,8pF,100ohm,TP	2	SA	
....5		2801-004814	CRYSTAL-SMD;25MHz,50ppm,8pF,100ohm,TP	1	SA	
....5		2801-005291	CRYSTAL-SMD;12MHz,30ppm,4 PIN,16pF,100Oh	1	SNA	
....5		2801-005292	CRYSTAL-SMD;24.576MHz,30ppm,4 PIN,12pF,7	1	SA	
....5		2804-001900	OSCILLATOR-CLOCK;25MHz,50ppm,15pF,TP,3.3	1	SA	
....5		2806-001308	OSCILLATOR-VCXO;27MHz,-,30PF,TP,3.3V,50M	1	SA	
....5		2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....5		3301-001727	BEAD-SMD;120ohm,1005,TP,100MHz,-	3	SNA	
....5		3301-002039	BEAD-SMD;26ohm,1608,TP	56	SA	
....5		3404-001379	SWITCH-TACT;12V,50mA,250gf,4.9x4.9x1.5mm	1	SA	
....5		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,PL	2	SA	
....5		3701-001861	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-A,AU	4	SA	
....5		3707-001104	CONNECTOR-OPTICAL;SMD-A(Ultra Slim),SPDI	1	SA	
....5		3710-003900	SOCKET-INTERFACE;34P,2R,0.5mm,SMD-A,AU,B	1	SA	
....5	EH01	3711-007814	HEADER-BOARD TO CABLE;BOX,4P,1R,1.25mm,S	1	SA	
....5		3722-003044	JACK-USB;4P/1C,NI,BLK,SMD-A,A-TYPE	2	SA	
....5		3722-003199	JACK-MODULAR;8P/8C,ANGLE,AU,1P	1	SA	
....5		3722-003657	JACK-PHONE;1P/7C,P-BRONZE,BLK,ANGLE	3	SA	
....5		3722-003665	JACK-PHONE;1P/7C,AU/NI,YEL,ANGLE	2	SA	
....5		3722-003666	JACK-PHONE;1P/7C,AU/NI,GRN,ANGLE	1	SA	
....5	ET01	BN40-00248A	TUNER;DTVS20EI035A,DTV20EI035A,VSB-Ha	1	SA	
....5		BN41-02038D	PCB MAIN;UHD,FR-4,8,D,1.6T,350*100,1	1	SNA	
....5		BN68-04746A	LABEL-SMD;all model,POLY*,25.4mm x 9.53m	1	SNA	
....5		BN97-07316A	ASSY MICOM;MAINFPGA_v1094,2013.06.21	1	SNA	
....6		1107-002210	IC-NOR FLASH;W25Q128FVSI,128Mbit,128Mx1	1	SNA	
....5		BN97-07373A	ASSY MICOM;T-FOXAUS6-1007,2013.07.04	1	SNA	
....6		0903-001863	IC-MICROCONTROLLER;WT61P807-RG48,LQFP,48	1	SNA	
....5		BN97-07387A	ASSY MICOM-BLASTER;Blaster-Version:3.03,	1	SNA	
....6		BN13-00063A	PLD;MAXQ610J,QFN,44	1	SNA	
..3		BN98-04901A	ASSY K/D-PACKING MATERIAL;UF9Z	1	SNA	
...4		0203-001269	TAPE-OPP MASKING;#301,T0.06,W75,L50000,N	0	SNA	
...4		6902-000314	BAG AIR CAP;LDPE,T0.05,W400,L400,TRP,6.6	1	SNA	
...4		6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	0	SNA	
...4		6922-000003	BAND PP;PP,T0.8,W18,L1650M,TRP,DA69-9014	0	SNA	
...4		AA61-30009A	LOCKER-BAND,CLIP;SPC-1,18MM T0.5	1	SNA	
...4		AA69-05481V	PALLET-CKD,4;CKD,PAPER,1110,870,120	1	SNA	
...4		AA69-06097N	PAD-CROSS;CB,SW,832,100	1	SNA	
...4		AA69-06097P	PAD-CROSS;CB,SW,524,100	1	SNA	
...4		AA69-06104Q	PAD-PLATE;CB,DW,745,515	1	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		AA69-06111C	MASTER CARTON;CB,DW-2,840,535,235	1	SNA	
...4		BN69-00391T	PAD-ANGLE;CB,T5,W1950,L50,YEL,427.000g	1	SNA	
0.2	M0014	BN94-06669A	ASSY PCB MISC-MAIN;DP,BN94-06654A	1	SA	
1		BN92-13413B	ASSY BOX;UF9000,55	1	SNA	
0.2	T0077	BH68-00329D	LABEL BAR CODE-02;NO CE,NO WT`Y,MPRII,LA	1	SNA	
0.2		BN69-09349A	BOX-SET,IN;55UF9000,CB,C-01,DW1,YEL, BB	1	SNA	
0.2		BN69-09350B	BOX-SET,OUT;55UF9000,CB,C-03,DW3,YEL,W14	1	SNA	
1		BN92-13414B	ASSY P/MATERIAL;UF9000,55	1	SNA	
0.2		6902-001610	BAG ROLL;HDPE/NITRON,LDPE+HDPE,T0.5/T0.0	2	SNA	
0.2		6902-001862	BAG PE;HDPE/NITRON,T0.015/T0.5,W200,L500	1	SNA	
0.2		6922-000013	BAND PP;PP,W18,L2300/L2900,TRP	1	SNA	
0.2	T0214	AA61-20285C	HOLDER-BOX;CORAL,PP,BLACK,HB,17.5g	4	SNA	
0.2		BH69-00418A	BAG WRAPPING;LDPE,762,1828M,SAMEX FACTOR	2	SNA	
0.2		BN02-00102B	TAPE FILAMENT;UE7000,#893,0.15,25,50,WHI	1	SNA	
0.2		BN68-02422B	LABEL-WARNING SHIPPING;ALL MODEL,A/P 100	1	SNA	
0.2		BN69-00391E	PAD-ANGLE;DI19PS,PAPER,T5,50,1500,YEL	1	SNA	
0.2		BN69-09124A	PAD-EPE;85S9-JACK-PACK,EPE,W130,D60,H66,	2	SNA	
0.2		BN69-09151A	BOX-ACCESSORY;85S9,CB,SW-E-BLACK,OFFSET,	1	SNA	
0.2		BN69-09258A	CUSHION-SET;55UF9000,EPS,16.7g/L,W/W	1	SNA	
0.2		BN74-00008D	TAPE-OPP MASKING;OPP,T0.05,W75,L800M,CLR	2	SNA	
1	ACCE1	BN92-13415B	ASSY ACCESSORY;UF9Y	1	SNA	
0.2		BN68-05418B	LEAFLET-ONE CONNECT;UF9000,ALL,W/W,ART 1	1	SNA	
0.2	3DGLA	BN96-25617A	ASSY ACCESSORY 3D GLASSES;SSG-5100GB,In	1	SC	
0.2	ACCE1	BN96-28150A	ASSY ACCESSORY;UN55/65F9000AFXZA	1	SNA	
..3	T0268	3903-000598	CBF-POWER CORD;DT,UL/CSA,EP-2,N,125V,5A,	1	SA	
..3		4301-000103	BATTERY-ALKALINE;1.5V,750mAh,LR03,10.2x4	4	SNA	
..3	REMO1	AA59-00758A	REMOCON-SMART TOUCH CONTROL;TM1390,14,80	1	SA	
..3	REMO2	AA59-00784C	REMOCON;TM1260B,52,3.0V,NETFLIX, AMAZON	1	SA	
..3	EC08	BN39-01154C	CBF SIGNAL;Chelsea Slim, STEREO Plug to	1	SA	
..3	EC07	BN39-01154H	CBF SIGNAL;UE40B7000WWXXC,3P RCA,30AWG,1	2	SA	
..3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
..3		BN68-04972A	MANUAL FLYER-02,REGULATORY GUI;ALL,SAMSU	1	SNA	
..3		BN68-05426A	MANUAL USERS;UF9000,SAMSUNG,ENG,UNITED S	1	SNA	
..3		BN68-05427A	LEAFLET-QSG;UF9000,SAMSUNG,Eng,North Ame	1	SNA	
..3		BN69-08751A	WRAP VINYL-SHRINK;STAND,PLASTIC OTHERS,P	0	SNA	
..3		BN69-09209A	BOX-01,ACCESSORY;F8000_ACCESSORY,CB,NONS	1	SNA	
..3		BN69-09210A	PAD-TYPE;F8000_ACCESSORY,CB,W461,L327,CB	1	SNA	
..3		BN69-09213A	PAD-TYPE;F8000_ACCESSORY,PAPER,W366,L212	1	SNA	
..3	FLIB	BN96-26652A	ASSY CABLE P;IR BLASTER,IR BLASTER CABL,	1	SA	
1		BN92-13416B	ASSY LABEL;UF9Y	1	SNA	
0.2		0203-001598	TAPE-FILAMENT;#8915,0.15,12,55000,CLR	0	SNA	
0.2		BN68-05050A	LABEL RATING;ALL,SS,PE,T0.05,93,73,Dark	1	SNA	
0.2		BN68-05407A	LABEL-STICKER;UN55F9000AFXZA,ZA,PET,T0.1	1	SNA	
0.2		BN68-05444A	LEAFLET-STOP GUIDE;ALL,SAMSUNG,ENG,USA,W	1	SNA	