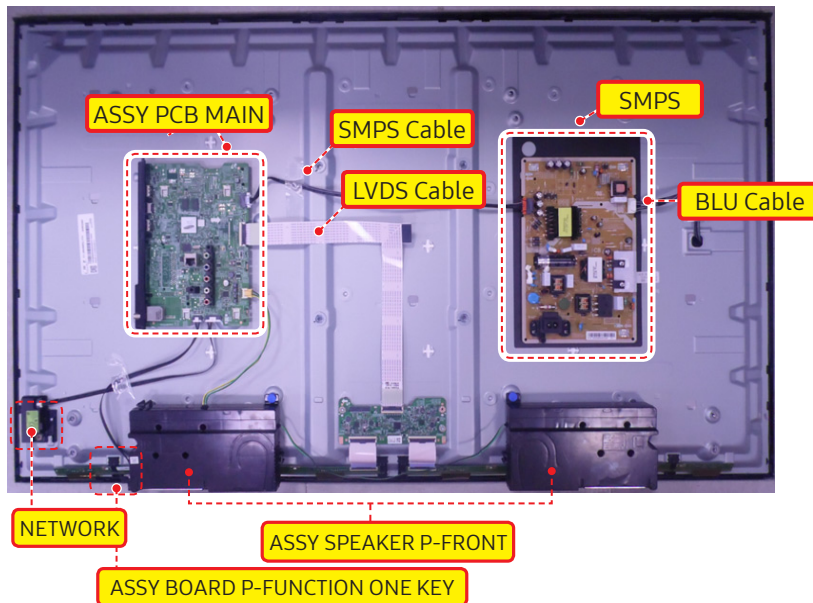


## 4. Troubleshooting

### 4-1. Troubleshooting

#### ■ Previous Check

1. 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.
2. Check the power input to the ASSY PCB MAIN.



3. Check the power in & output between SMPS & Main Board, Main Board & Panel, IP & Panel.

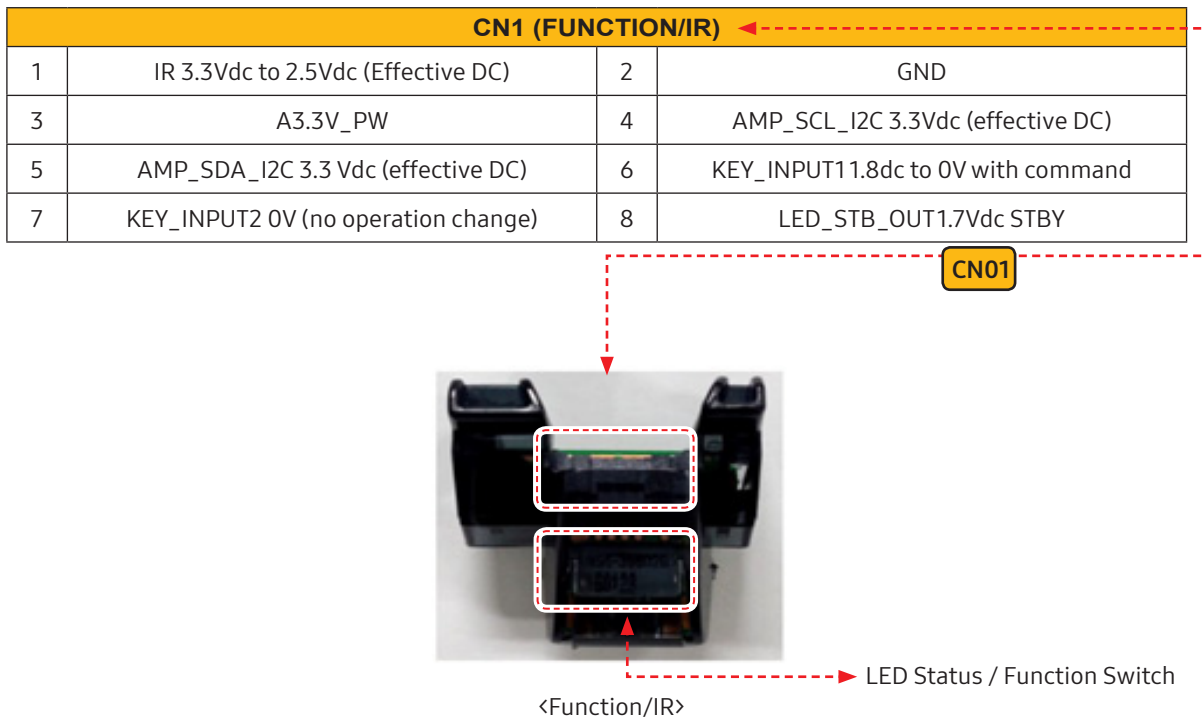
## 4-2. How to Check Fault Symptom

### 4-2-1. Power

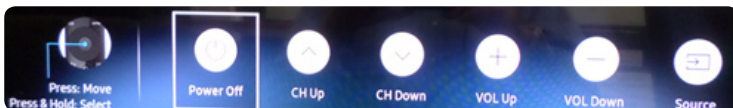
#### ■ TV POWER STANDBY

1. TV in Standby
  - ✓ Standby LED Indicator
2. If Not Lit:
  - ✓ AC 120Vac Line
3. If missing:
  - ✓ 120Vac Source and Power Cord
4. If OK:
  - ✓ Resistance on SMPS **Fuse** after first removing AC power cord.
5. If fuses are open replace SMPS.
6. If fuses are OK:
  - ✓ **Standby: A13V** (Always On) to Main Board. Should all be approx. 9 VDC
7. If any missing remove the SMPS connector to Main Board .
  - ✓ Standby A13V again for 9VDC.
    - If OK replace Main Board.
    - If still missing replace SMPS.

## ■ FUNCTION/IR Control



1. TV in Standby  
✓ **LED Status**
2. If LED is OFF  
✓ LED 1.7Vdc (pin 8) and VCC for 3.3Vdc (pin 3)
  - If missing suspect **Function Assy/Cable Assy/Main Assy**.
3. If LED is ON  
✓ Switch Operation activates on screen display.



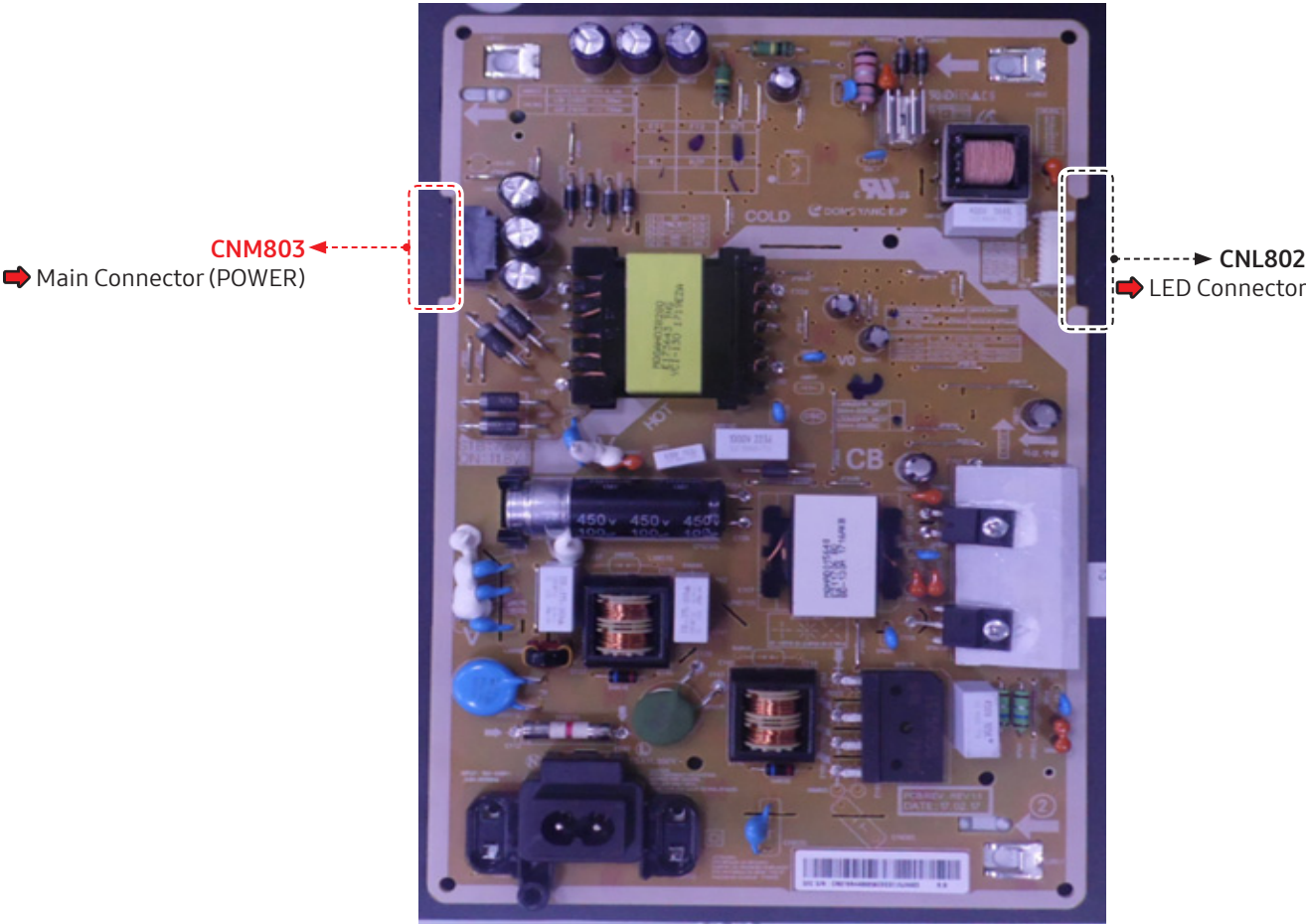
<On Screen Selections with Function Control>

- If missing:
    - ✓ **Key \_Input1 Pin 6** change to 0V with a command.
  - If wrong voltage or no change:
    - ✓ Switch for stuck or miss-operation.
4. Check **IR** operation with Standard Remote command changes. (3.3V to 2.5V effective DC)
  5. **SDA, SCL** for effective 3.3Vdc (after power on)
    - If missing suspect **Function Assy/Cable Assy/Main Assy**.

■ SMPS POWER

- 1. **A13V** Standby to Main Board: Approx 9Vdc
- 2. **Power\_On/Off : 3.3Vdc** Power ON/OFF
- 3. **A13V** : to steady 12.7 Vdc
- 4. **OD/UD : 3.3Vdc** Over & Under Drive
- 5. **BLU\_PWM : .9V~3.3Vdc** also labeled “BLU On/Off” Backlight On/Off & Backlight (PWM signal) Level Control.

• J5290



| CNM803 (MAIN Connector) |                    |   |           |   |               |   |               |    |                    |
|-------------------------|--------------------|---|-----------|---|---------------|---|---------------|----|--------------------|
| 1                       | GND, A13V          | 2 | GND, A13V | 3 | PWM_BLU, A13V | 4 | PWM_BLU, A13V | 5  | Power On/Off, A13V |
| 6                       | Power On/Off, A13V | 7 | GND, A13V | 8 | GND, A13V     | 9 | GND           | 10 | GND                |

| CNL802 (LED Connector) |    |   |    |   |    |   |    |   |      |
|------------------------|----|---|----|---|----|---|----|---|------|
| 1                      | 4- | 2 | 4+ | 3 | 3- | 4 | 3+ | 5 | N. C |
| 6                      | 2  | 7 | 2+ | 8 | 1- | 9 | 1+ |   |      |

## ■ BACKLIGHTS



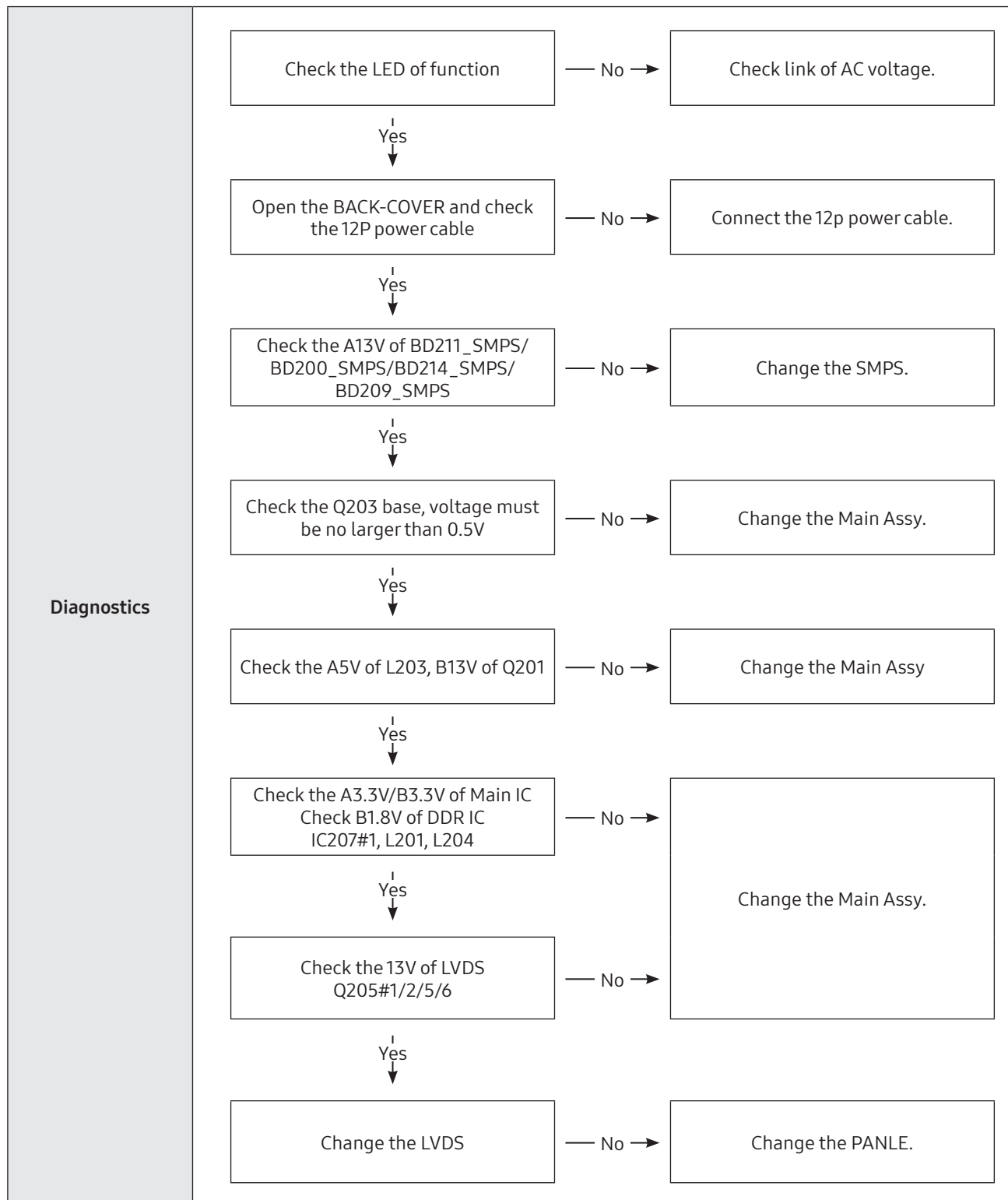
1. **Activate Backlights Test:**
  - Disconnect Lead Cable from Main Board to Power Supply. (CNM803)
  - ✓ TV Screen for active backlight LEDs.
2. **If NO BACKLIGHTS**
  - ✓ Minus (Control) & Plus pins (Supply) on the Panel Connector voltages to the Panel.
  - If no pin voltages replace SMPS.
3. **If BACKLIGHTS ON BUT PANEL SECTION(S) OFF**
  - ✓ The Supply Drive + pins. All should measure same.
  - If a + pin measures higher voltage, a string(s) of LEDs are likely open.
  - Remove Panel connector and verify same open backlight voltage condition. Replace Panel.
4. **If a + pin measures low voltage disconnect connector to panel**
  - ✓ The Low Plus Pin Voltage again.
  - If it stays low the **SMPS** is defective, if it goes high, defective **Panel**.

### For BACKLIGHT DIMMING PROBLEMS:

- Go to **Menu > Picture > Backlight** and vary level (0 – 20)
- If no backlight changes observed:
  - ✓ Panel Connector pin voltages and BLU\_PWM voltages (CNL802) while changing backlight level.
- If Panel voltages don't change, and BLU\_PWM changes, replace **SMPS**.
- If BLU\_PWM doesn't change replace **Main/T-CON Board**.

## 4-2-2. Main

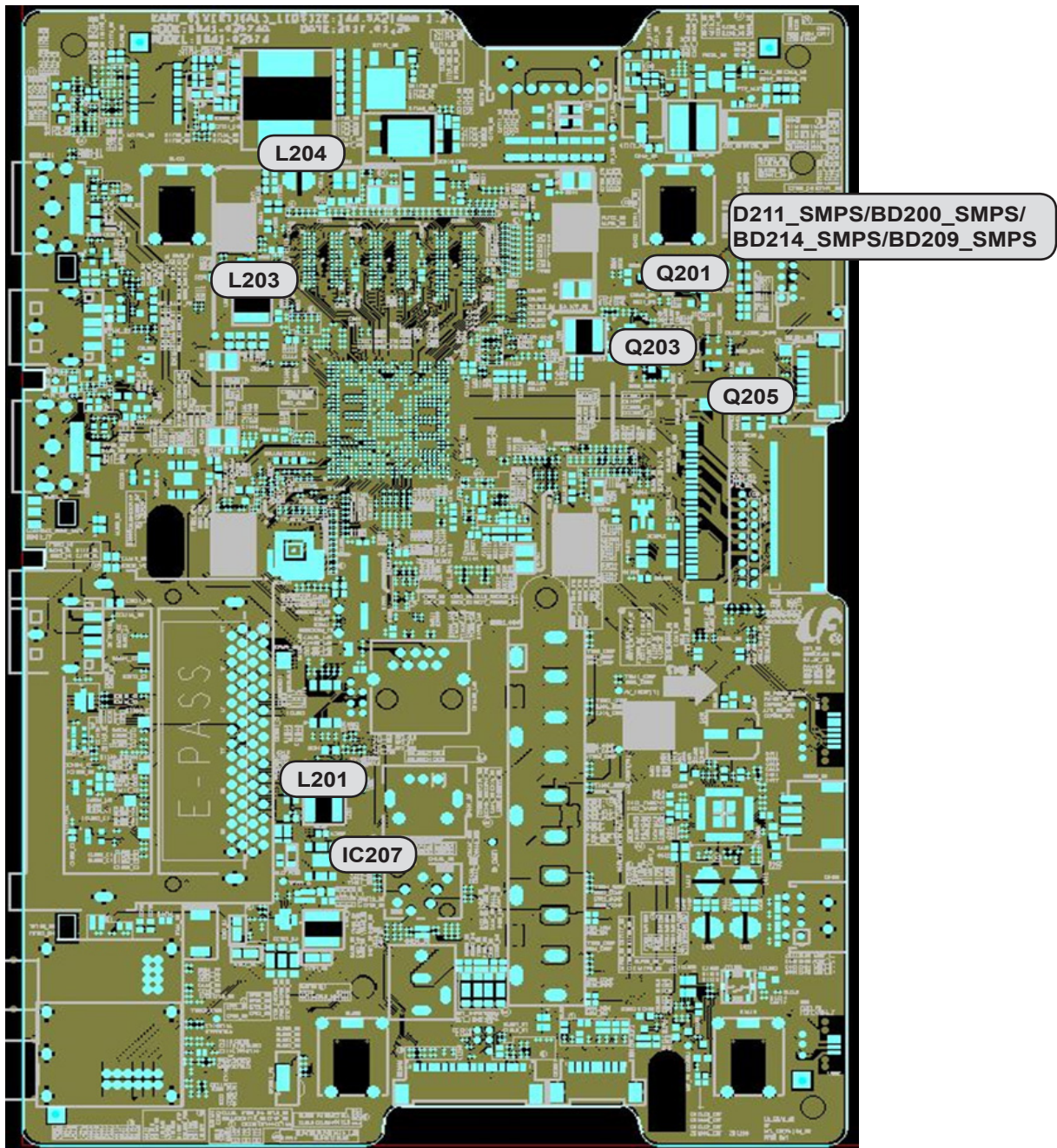
## ■ No power &amp; no picture





## ■ Location of Parts

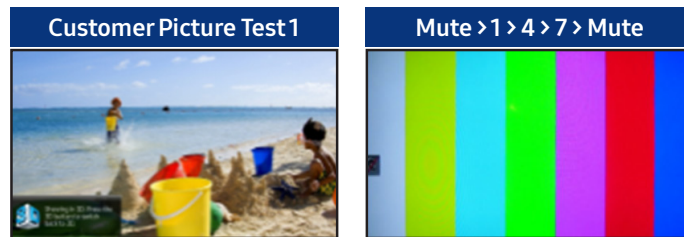
Main Board



## 4-2-3. MAIN/T-CON BOARD

- Main Section > PRE FRC Section > POST FRC Section > T-CONSection > PANEL

### ■ Main Section

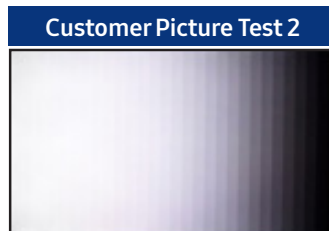


#### Video Operation

Generated on Main Section.

- **If OK:**
  - ✓ Source & Input Cables
  - ✓ Other inputs
- **If Noisy:**
  - ✓ Pre FRC Section Test Patterns

### ■ PRE FRC Section



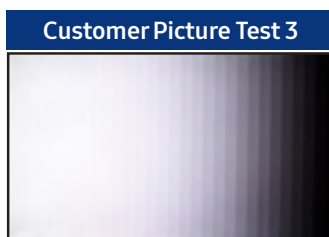
#### Video Operation

Generated at Pre FRC Section.

- **If OK:**
  - ✓ Replace Main/T-Con Board
- **If Noisy:**
  - ✓ Post FRC Section



## ■ POST FRC Section



### Video Operation

Generated at Post FRC Section.

- **If OK:**
  - ✓ Replace Main/T-Con Board
- **If Noisy:**
  - ✓ Mute > 3 > 6 > 9 > Mute

## ■ T-CON Section



[May not be available for Larger models over 70 inches.]

### Video Operation

Generated at T-CON Section.

1. **If OK:**
  - ✓ Replace Main/T-CON Board.
2. **If Noisy:**
  - ✓ Main/T-CON Board
  - ✓ Panel

## ■ PANEL



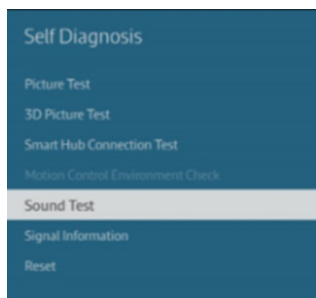
- Check Panel
1. **If Noisy Video:**
    - ✓ Soc T-CON Pattern in Factory Mode
      - Use type of Noise observed (Bars, single lines, video distortion, etc to help.)
      - If noise is only on one half of screen check / swap panel cables.
      - Verify Defective Panel Cables, TV Main/T-CON Board or Panel.

## 4-3. Audio

- Source (One Connect Mini) > Main Board > Speakers

### ■ Source (One Connect Mini)

- No TV Sound
  - ✓ Menu > Audio > Speaker Settings set to **TV Speaker**
- Noisy / Distorted TV Audio
  - ✓ Customer Menu > Support > **Sound Test**



- If Sound Test FAILS : (Missing / Noisy Audio)
  - ✓ Speakers (compare resistance/quality)
    - Compare audio level out to speakers with multi meter.
  - ✓ Replace defective Speakers or Main Board or Cable.
- If Sound Test OK :
  - ✓ Audio Source & External Cables
  - ✓ With external Audio Generator (device or App)
  - ✓ Other Inputs
  - ✓ One Connect Mini
- Optical Digital Out Errors
  - ✓ Red light from Optical Digital Out.
    - If missing replace One Connect Mini

### ■ Main Board

- No HDMI Audio
  - ✓ Source / HDMI Cable & One Connect Mini Connectors
    - Swap with other HDMI Inputs / Sources.
    - Perform **EDID Write** in Factory Mode (Can restore missing HDMI Audio).
  - ✓ Bulletins and Latest firmware on TV.
    - If not restored replace One Connect
    - Check Audio Format PCM / Dolby based on external Receiver
- ARC Issues
  - ✓ HDMI Cable is input to the ARC Designated HDMI port.
  - ✓ ARC (HDMI Control) is enabled on the external Receiver.
- Bluetooth Audio "Sound Share" Connection Issues
  - ✓ Sound Bar is in TV Mode.
    - To Connect, Press & Hold Play Button until Sound Bar pairing mode begins.

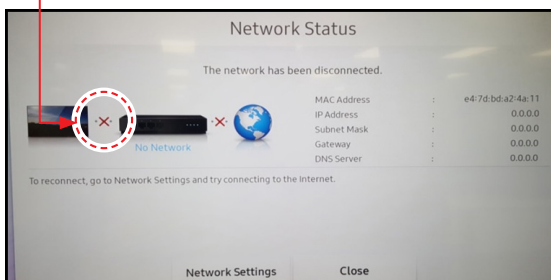
## 4-4. Network



### ■ TV to Router "Failure"

- ✓ **Check** Network Status

**Check** Network Status (TV ~~→~~ Router ~~→~~ Internet)



- ✓ **Wired & Wireless MAC Address** in Customer Support Menu.
  - **No Wired MAC Address:** Replace **Main Board**.
  - **No Wireless MAC Address:**
- ✓ **Module cabling & voltages** from Main Board.
  - If operating voltages are OK but signal missing.
    - ✓ Replace **WiFi Module** (WiFi/Bluetooth Module).
- ✓ **Proper security passcode**
- ✓ **Check** Wi-Fi signal strength at TV (use WiFi Analyzer or similar App).
  - Try another source (Hot spot or Test Router)
- ✓ **Check** related Bulletins.
- ✓ **Check** **Factory Mode** → **SVC** → **Info** → **WiFi Error Count** (replace module for high error counts).

### ■ Router to Network "Failure"

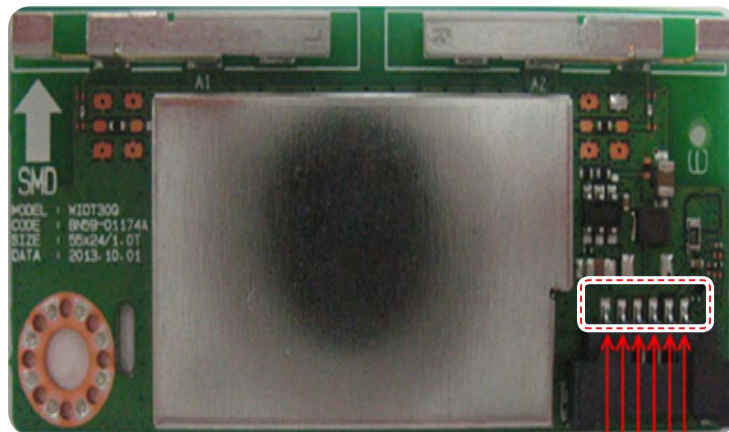
- ✓ **Check** Network Status

**Check** Network Status (TV → Router ~~→~~ Internet)



- Instruct the customer the TV has proper connection to the router and is likely OK.
- ✓ **Check** other devices using network are OK. If they test OK this does not mean the TV should be working.
  - Try another source (Hotspot) to test/show TV Network operation.

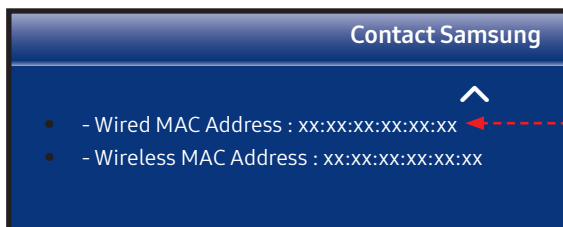
## 4-5. WiFi Module



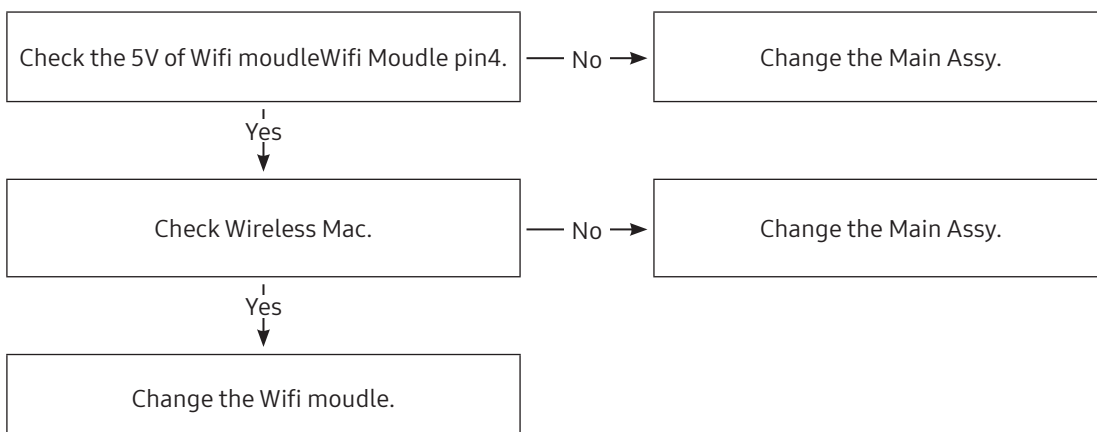
Pin1 - Pin6

| Pins | Pin Name | Description                     | Type |
|------|----------|---------------------------------|------|
| 1    | GND      | Ground                          | G    |
| 2    | USB DP   | USB interface                   | I/O  |
| 3    | USB DN   | USB interface                   | I/O  |
| 4    | B+_5V    | +5V DC power supply for SWL-R55 | V    |
| 5    | Wake up  | Sleep/OFF to ON                 | I/O  |
| 6    | NC       | -                               | -    |

- Go to Menu > Support > Contact Samsung



Missing or Error : Replace Main Board.



## 4-7. Factory Mode

### ■ Setting TV into Factory Mode



Sample Part NO.  
: AA81-00243A

#### Factory Remote

1. Power TV ON.
2. Select TV Source.
3. **Info** → **Factory**.
4. Use **MENU** for return.

#### Samsung IR Remote

1. TV Power Standby.
2. Press as follows.
  - Remote Button

**NTSC**    **MUTE** → **1** → **8** → **2** → **POWER**

**PAL**    **INFO** → **MENU** → **MUTE** → **POWER**

### ■ Important Items

- **Option** (must set Option Bytes when replacing Main Board.)
- Option → **Factory Reset** (returns TV to out of box condition. Does not reset Apps.)
  - **Factory Reset** : Select Factory Reset

| Factory Reset |           |
|---------------|-----------|
| Type          | 40D6AF0JN |
| Local Set     | BRA_DTV   |
| SW Model      | UJ5290    |
| BOM Model     | 5290      |
| TUNER         | ISDB-T    |
| Ch Table      | NONE      |

- SVC → **Test Patterns**
- SVC → Info → **ER Count** (Important to check for errors.)
  - Resets to 0 with Factory Reset.

#### Setting Option Bytes

1. Enter Factory Mode with **Service Remote** (only).
2. Check Option Byte Table located on **GSPN** (Fast Track or Tips).
3. Select each item to change.
4. Soft power TV Off to load.



## First Screen Appearing in Factory Mode

- Ex. Sample Model

| Home       | Updates | Exit |
|------------|---------|------|
| Option     |         |      |
| Control    |         |      |
| Debug      |         |      |
| <b>SVC</b> |         |      |
| ADC/WB     |         |      |
| Advanced   |         |      |

T-KTMAKUC-0510.30  
 T-KTHOCTV-0043  
 T-KTHOCJP-0043  
  
 TIZEN-3.0-MAIN2017-KantM-RELEASE\_20161210.3  
 (Perf)  
 BT Version : BLUETOOTH-VER-0647  
 E-Manual : KTMATSC-0.0.3  
 Biaster Version : A61110-U61001-170201  
 E-POP Version : KANTMUD-12.06.1  
 EDID SUCCESS  
 HDCP SUCCESS  
 CALIB : AV / COMP / PC / HDMI /  
 Option : 6SL1MUBXM,U5,8CAM,NONE  
  
 FRC-[KANT-M Vx1][120Hz][OC][DHW.0x04]  
 DIMMING-[EDGE-24X1][03]  
 TCON-[KANT-M] FW[8014] DATA[M65LBUQF13]  
 TCON-[KANT-N] FW[8224] DATA[M65LBUNF1B]  
  
 SPI Flash S/N: 1UR033AHC00061A  
  
 Model : QN65Q8CAM  
 Wired MAC SUCCESS  
 Wireless MAC SUCCESS  
 WIFI Version : 4.5.30.014.031.FC8  
  
 CO N0/ W/ M/ D/ H2 PO AO O S/ N/ RO SC/ SIO WS/ DI/ UO (T)  
 NS//  
 Factory Data Ver: 17031 / Fixed Ver: 1706  
 EERC Version : 61 / WB Ver: 1  
  
 CPLD/LD : N/A  
 SmartControl : 0  
 Board Info : NA/RC/1/NA  
 Factory Reset In Production : 0  
 SID : ?  
 Date of purchase : 3/26/2012

**QUICKTIPS:-**  
 \* Set value of HV Flip from shell prompt without launching factory app. For detail check Updates window  
 \* Launch Factory:- "org.tizen.factory"  
 \* Get value of any item from shell prompt without launching factory app. For detail check Updates window  
 \* Launch Factory:- "org.tizen.factory"  
 \* Set value of type localset and model from shell prompt along with factory reset :-  
 "launch\_app org.tizen.factory type value localset value model value"  
 \* Use channel up/down to toggle items when at last depth  
 \* Use arrow right/left to toggle values when at last depth  
 \* Home button can be used to jump directly to home screen of factory app from any level  
 \* Exit button can be used to Exit factory app without launching aging app

Slide Details

- Sample Model : UN40J5290AGXZD

Home

Updates

Exit

Option

Control

Debug

SVC

ADC/WB

Advanced

T-N14MNUABC-XXXX.XX

T-N14MDAUSS--XXXX

E-Manual : NMISDBN-\*.\*. \*

Blaster Version :Not Support

E-POP Version :xxxxxxx-\*.\*. \*

EDID SUCCESS

HDCP SUCCESS

CALIB : AV/COMP/PC/HDMI/  
Option : xxxx,xxxx,xxxx,NONE

FRC-[Kant-S Vx1][60Hz]

DIMMING-[GLOBAL]

TCON Version: ----

Model : \*\*\*\*\*

Wired MAC SUCCESS

Wireless MAC SUCCESS

WIFI Version: \*\*\*\*\*

CO Nf/ W/ MO D/ H2 PO AO O S/ N/ RO SC/ SiO WS/ DI/  
UO I/ (T)

NS//

Factory Data Ver : xxxxx / Fixed Ver : xxxx

EERC Version : xxx / WB Ver : 1

CPLD/LD :N/A

SmartControl : \*\*\*\*

Board Info : ----

Factory Reset In Production : ----

SID : ----

Date of purchase : mm/dd/yyyy

✓ Testing Items

✓ Micom Version

✓ Sub Micom

✓ E-Manual

✓ Blaster Version

✓ E-Pop Version

✓ Wired MAC Success

✓ Wireless MAC Success

✓ CO Status  
("O" Operational)

## 4-8. Factory Mode Adjustments

### 4-8-1. Entering Factory Mode

- To enter [Service Mode] press the remote-control keys in this sequence :

- With Consumer Remote (IR Remote)

✓ Remote Button :

NTSC

POWER OFF → MUTE → 1 → 8 → 2 → POWER ON

PAL

POWER OFF → INFO → MENU → MUTE → POWER ON

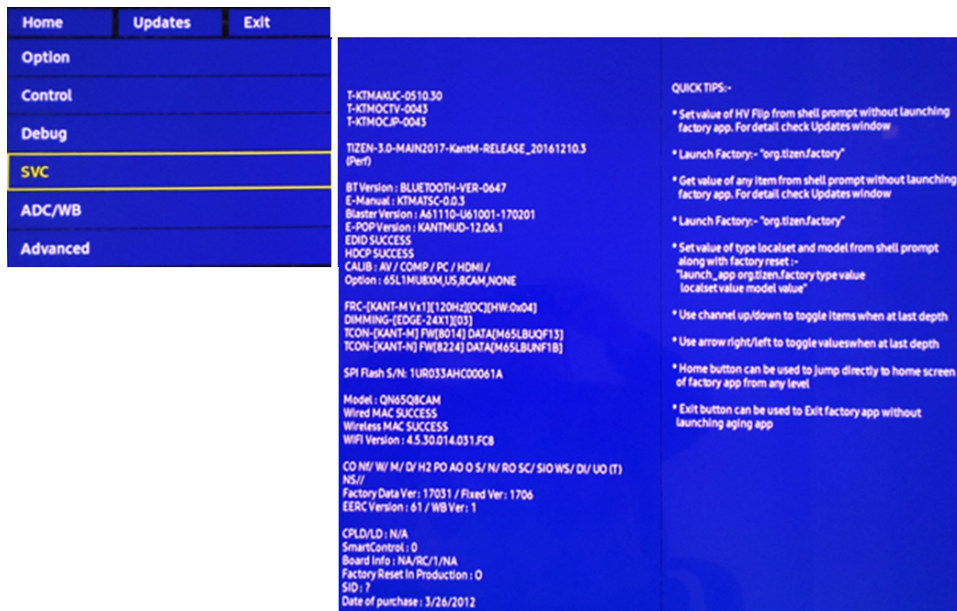
- With Factory Remote

INFO

→ FACTORY

- The following screen appears.

- Please refer to "[Detail Factory Option](#) page" for details.



## 4-8-2. 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**".

### ■ UN40J5290AGXZD

- PANEL / SMPS / MAIN Information

| Multi BOM   |                | DA02      |             |             |              |               |
|-------------|----------------|-----------|-------------|-------------|--------------|---------------|
| PANEL       |                |           | SMPS        |             | MAIN         |               |
| Vendor      | INX            |           | Vendor      | DYREL       | ASSY CHASSIS | ASSY PCB MAIN |
| Code        | Spec           | Type      | Code        | Spec        |              |               |
| BN95-04925D | CY-JN040BGNV1G | 40D6AF0JN | BN44-00852F | L48MSFR_MDY | BN91-20067A  | BN94-13095A   |

- Factory Option

| Local Set | BOM Model | Front Color | S/W Model |
|-----------|-----------|-------------|-----------|
| BRA_DTV   | 5290      | F-F-N5K-40  | UJ5290    |

## ■ UN43J5290AGXZD

- PANEL / SMPS / MAIN Information

| Multi BOM   |               | AA02      |             |             |              |               |
|-------------|---------------|-----------|-------------|-------------|--------------|---------------|
| PANEL       |               |           | SMPS        |             | MAIN         |               |
| Vendor      | AUO           |           | Vendor      | DYREL       | ASSY CHASSIS | ASSY PCB MAIN |
| Code        | Spec          | Type      | Code        | Spec        |              |               |
| BN95-04927B | CY-JN043BGAV1 | 43L6AF0JN | BN44-00852F | L48MSFR_MDY | BN91-20067E  | BN94-13095E   |

| Multi BOM   |                | BB04      |             |             |              |               |
|-------------|----------------|-----------|-------------|-------------|--------------|---------------|
| PANEL       |                |           | SMPS        |             | MAIN         |               |
| Vendor      | BOE            |           | Vendor      | DYREL       | ASSY CHASSIS | ASSY PCB MAIN |
| Code        | Spec           | Type      | Code        | Spec        |              |               |
| BN95-04928F | CY-JN043BGEV1G | 43B6AF0JN | BN44-00852F | L48MSFR_MDY | BN91-20068D  | BN94-13096D   |

- Factory Option

| Local Set | BOM Model | Front Color | S/W Model |
|-----------|-----------|-------------|-----------|
| BRA_DTV   | 5290      | F-F-N5K-43  | UJ5290    |

■ UN49J5290AGXZD

• PANEL / SMPS / MAIN Information

| Multi BOM   | FA02           |           |             |             |              |               |
|-------------|----------------|-----------|-------------|-------------|--------------|---------------|
| PANEL       |                |           | SMPS        |             | MAIN         |               |
| Vendor      | SDC            |           | Vendor      | DYREL       | ASSY CHASSIS | ASSY PCB MAIN |
| Code        | Spec           | Type      | Code        | Spec        |              |               |
| BN95-04926C | CY-JN049BGLV1G | 49A6AF0JN | BN44-00856C | L50MSFR_MDY | BN91-20067F  | BN94-13095F   |

| Multi BOM   | FB04           |           |             |             |              |               |
|-------------|----------------|-----------|-------------|-------------|--------------|---------------|
| PANEL       |                |           | SMPS        |             | MAIN         |               |
| Vendor      | SDC            |           | Vendor      | DYREL       | ASSY CHASSIS | ASSY PCB MAIN |
| Code        | Spec           | Type      | Code        | Spec        |              |               |
| BN95-04926G | CY-JN049BGLV5G | 49A6AF0JN | BN44-00856C | L50MSFR_MDY | BN91-20067F  | BN94-13095F   |

• Factory Option

| Local Set | BOM Model | Front Color | S/W Model |
|-----------|-----------|-------------|-----------|
| BRA_DTV   | 5290      | F-F-N5K-49  | UJ5290    |

## 4-9. White Balance

### 4-9-1. Calibration

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



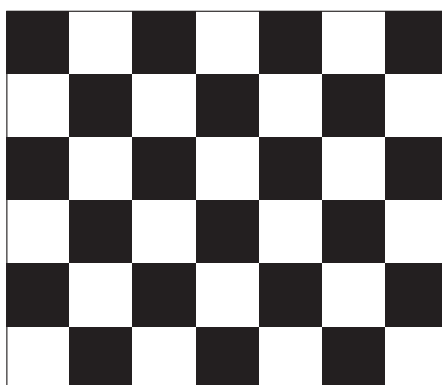
### 4-9-2. Service Adjustment

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

#### ■ Color Calibration

- Adjust Specification

| Source | Setting Mode     | Pattern                     |                                  |
|--------|------------------|-----------------------------|----------------------------------|
| 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 |
| PC Analog IN (Model_#21) | Perform in VESA XGA (1024x768) 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 IN1 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 IN1 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 720p Lattice (N0. 21) pattern signal to the Component IN1 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 "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 "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.



### 4-9-3. Adjustment

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

|          |         |      |               |              |
|----------|---------|------|---------------|--------------|
| Home     | Updates | Exit |               |              |
| Option   |         |      |               |              |
| Control  |         |      |               |              |
| Debug    |         |      |               |              |
| SVC      |         |      | (Low light)   | (High light) |
| ADC/WB   |         |      | White Balance | Sub Bright   |
| Advanced |         |      |               | Sub Contrast |
|          |         |      | R offset      | R gain       |
|          |         |      | G offset      | G gain       |
|          |         |      | B offset      | B gain       |

## 4-10. Updating the TV's Software

View your TV's software version and update it if necessary.

-  >  [Settings](#) > [Support](#) > [Software Update](#)

### 4-10-1. Updating the TV's software to the latest version



DO NOT turn off the TV's power until the update is complete. The TV will turn off and on automatically after completing the software update. All video and audio settings return to their default settings after a software update.

#### ■ Updating through the Internet

-  >  [Settings](#) > [Support](#) > [Software Update](#) > [Update Now](#)
- Updating from the Internet requires an active Internet connection.

#### ■ Updating through a USB device

-  >  [Settings](#) > [Support](#) > [Software Update](#) > [Update Now](#)

After downloading the update file from the Samsung website and storing it on a USB device, connect the USB device to the TV to update.

- To update using a USB flash drive, download the update package from Samsung.com to your computer. Then, save the update package in the USB device's top-level folder. Otherwise, the TV will not be able to locate the update package.

### 4-10-2. Updating the TV automatically

-  >  [Settings](#) > [Support](#) > [Software Update](#) > [Auto Update](#)

If the TV is connected to the Internet, you can have the TV update its software automatically while you are watching the TV. When the background update is completed, it is applied the next time the TV is turned on.

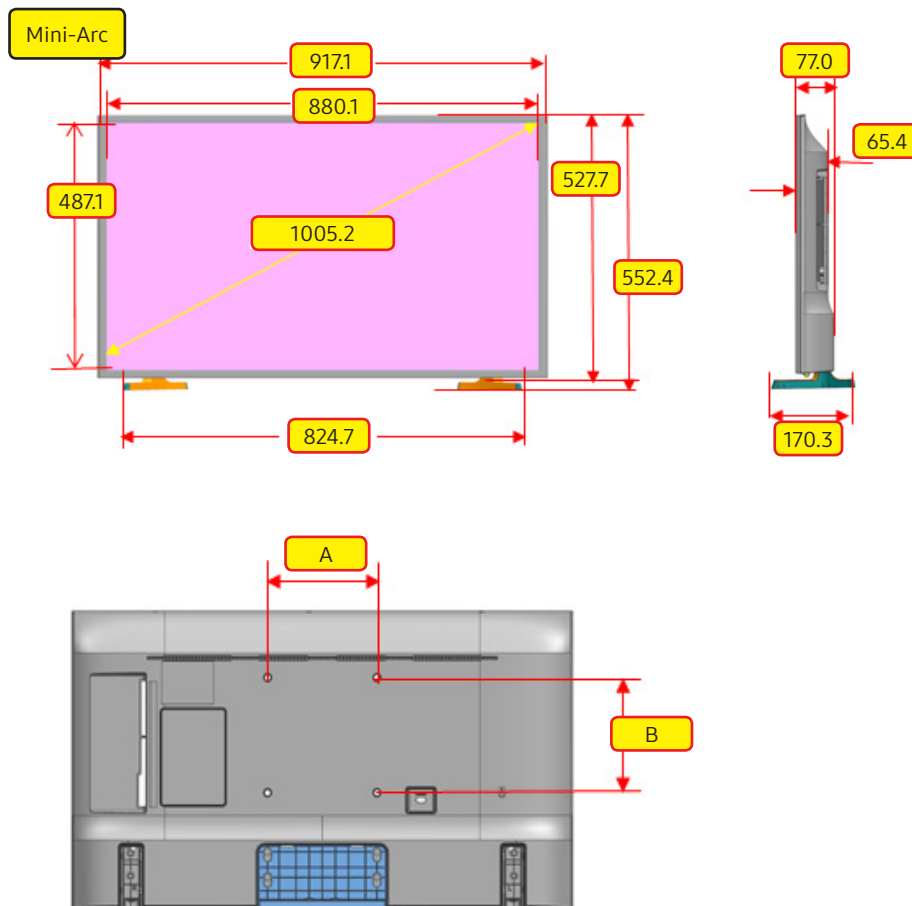
If you agree to the Smart Hub terms and conditions, [Auto Update](#) is set to **On** automatically. If you want this function disabled, use the Select button to turn it off.

- This function may take a longer time if another network function is running concurrently.
- This function requires an Internet connection.

## 4-11. The Dimension

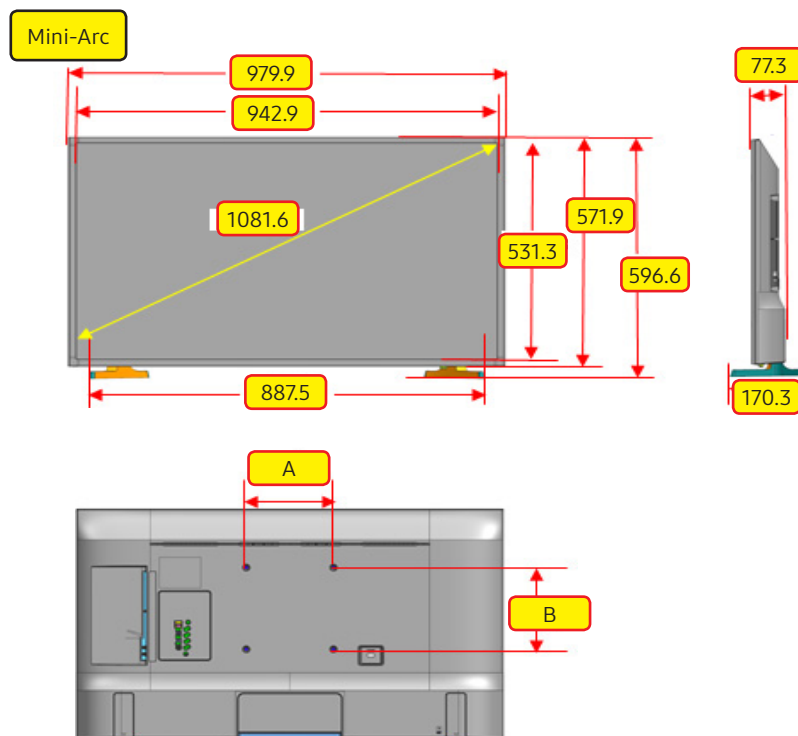
### ■ J5290\_40" Models

| Item                                |    | Mini-Arc STAND                  |
|-------------------------------------|----|---------------------------------|
| SET Size (With Stand) mm            |    | 917.1 x 552.4 x 170.3           |
| SET Size (Without Stand) mm         |    | 917.1 x 527.7 (Until IR) x 77.0 |
| Opening Area(W * H, Diagonal) mm    |    | 880.1 x 487.1 ,1005.2           |
| Wall - Mount (A * B) mm             |    | 200.0 x 200.0                   |
| Packing Size                        | WW | 1092.0 x 592.0 x 128.0          |
| NET (SET) Weight (With Stand) kg    |    | 7.2                             |
| NET (SET) Weight (Without Stand) kg |    | 7.0                             |
| Gross Weight(After Packing)         | WW | 9.2                             |



## ■ J5290\_43" Models

| Item                                |    | Mini-Arc STAND                  |
|-------------------------------------|----|---------------------------------|
| SET Size (With Stand) mm            |    | 979.9 x 596.6 x 170.3           |
| SET Size (Without Stand) mm         |    | 979.9 x 571.9 (Until IR) x 77.3 |
| Opening Area(W * H, Diagonal) mm    |    | 942.9 x 531.3 (1081.6)          |
| Wall - Mount (A * B) mm             |    | 200.0 x 200.0                   |
| Packing Size                        | WW | 1145.0 x 659.0 x 136.0          |
| NET (SET) Weight (With Stand) kg    |    | 8.2                             |
| NET (SET) Weight (Without Stand) kg |    | 8.0                             |
| Gross Weight(After Packing)         | WW | 11.0                            |



## ■ J5290\_49" Models

| Item                                |    | Mini-Arc STAND                   |
|-------------------------------------|----|----------------------------------|
| SET Size (With Stand) mm            |    | 1112.8 x 673.6 x 187.5           |
| SET Size (Without Stand) mm         |    | 1112.8 x 646.5 (Until IR) x 78.7 |
| Opening Area(W * H, Diagonal) mm    |    | 1075.8 x 606.0 (1234.0)          |
| Wall - Mount (A * B) mm             |    | 200.0 x 200.0                    |
| Packing Size                        | WW | 1282.0x 745.0 x 143.0            |
| NET (SET) Weight (With Stand) kg    |    | 10.6                             |
| NET (SET) Weight (Without Stand) kg |    | 10.3                             |
| Gross Weight(After Packing)         | WW | 14.1                             |

