

SWAN

2023.12 Mass production inspection

SH SON

Model Name: BFX-UA300

Document Version: ALT_STB_MP_CSMTINS_001

Issued Date: 2024.01.18



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Document History

Version	Editor	Date	Updates
001	SH SON	2024.01.18	initial version

- SKB incoming inspection
 - Inspection lot : BFX-UA300 MP delivered on 2023.12
 - Date : 2023.12.26 ~2024.01.05
 - 2149695001202303020001 ~ 2149695001202303022000
 - Location : [SK networks warehouse](#), Anseong, Korea.
- Overall inspection result
 - Conditional Pass
- Defect Total
 - Critical
 - No boot * 1pcs
 - Noise sound – R channel * 1pcs
 - Major
 - No sound * 1pcs
 - Minor
 - HDMI cable NG * 1pcs
 - Cable scratch

Definition*

- Critical : The **defect related to product functions**
- Major : The defect is no effect on the product functions. But **visually defect**. (i.g cosmetic damaged.)
- Minor : The defect is no effect on the product functions, no visually defect. But **need improvement**

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- No boot

- Issue grade : Critical
- Symptom : No boot
 - Defect unit Q'ty : 1 / 316pcs
 - S/N : 2149695001202303021988

- ALT initial review

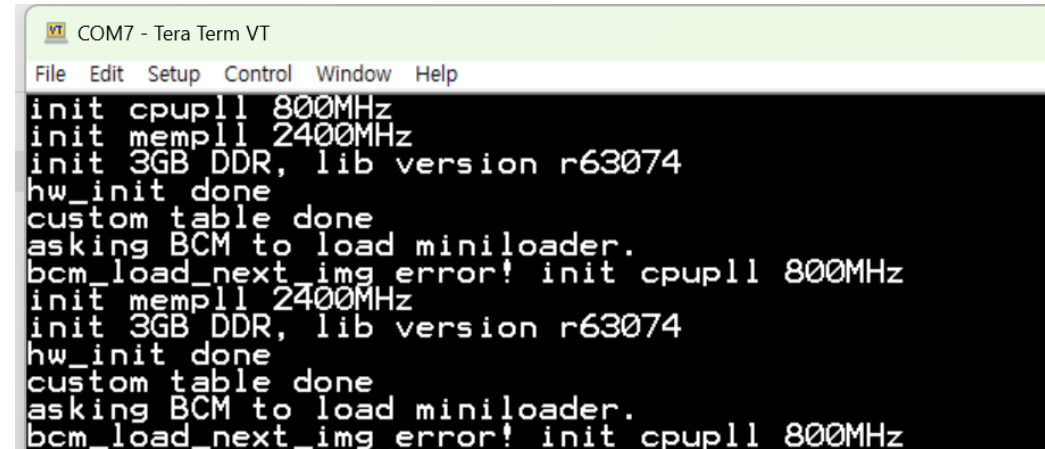
- Visual check : No found abnormal.
- Console log : Abnormal - **bcm_load_next_img error!**

- ALT Action

- Replace the Main PCBA

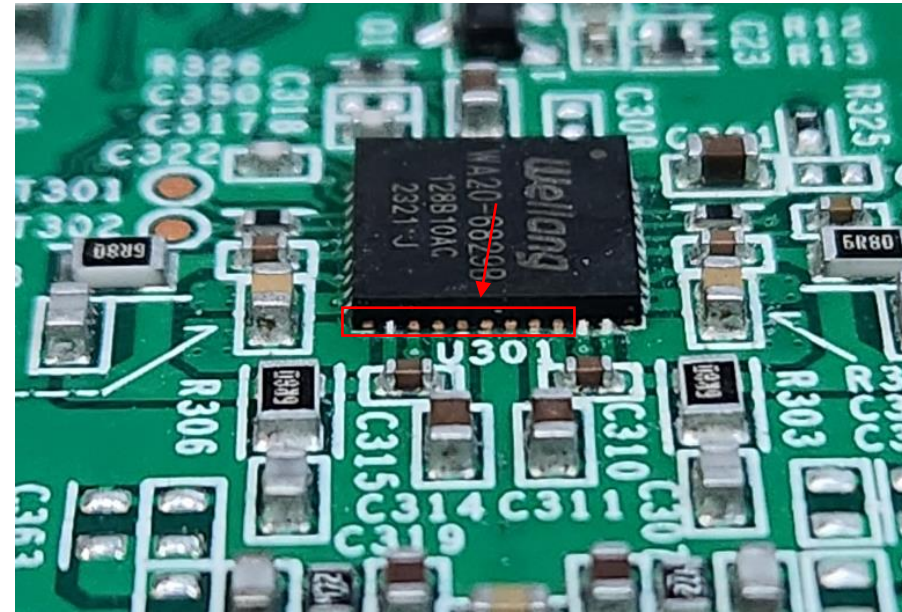
- Action item

- FXN should be submit 8D report
 - Check all of factory test log.
 - Need to find out why it wasn't detected in factory tests
 - Provide the preventive action

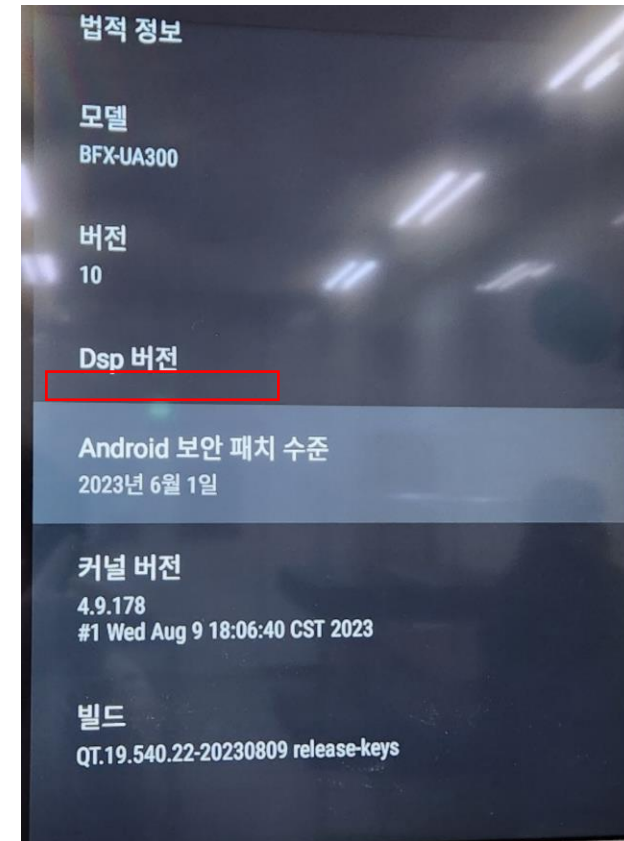


```
COM7 - Tera Term VT
File Edit Setup Control Window Help
init cpupll 800MHz
init mempll 2400MHz
init 3GB DDR, lib version r63074
hw_init done
custom table done
asking BCM to load miniloader.
bcm_load_next_img error! init cpupll 800MHz
init mempll 2400MHz
init 3GB DDR, lib version r63074
hw_init done
custom table done
asking BCM to load miniloader.
bcm_load_next_img error! init cpupll 800MHz
```

- Noise sound – R channel
 - Issue grade : Critical
 - Symptom : noise sound output
 - Defect unit Q'ty : 1 / 316pcs
 - S/N : 2149695001202303021730
 - ALT initial review
 - Visual check : found abnormal -> Amp IC is not soldered.
 - Defect PCBA SN : YZ60RJM
 - ALT Action
 - Replace the Amp PCBA
 - Action item
 - FXN should be submit 8D report
 - Check this unit speaker test result.
 - Provide the preventive action including SMT inspection process of QFN IC



- No sound
 - Issue grade : Major
 - Symptom : No sound after 10 min of booting
 - Defect unit Q'ty : 1 / 316pcs
 - S/N : 2149695001202303021211
- ALT initial review
 - DSP version N/A
 - Visual check : found abnormal
 - FFC is shorted to GND
 - Kepton tape on the FFC, is not aligned.
- ALT Action
 - Replace the Amp FFC
- Action item
 - FXN should be submit 8D report
 - Need to find out why it wasn't detected in factory tests
 - Provide the preventive action



- HDMI Cable NG

- Issue grade : Minor

- Defect unit Q'ty : 1 pcs / 316 pcs

- Symptom

- HDMI Cable – cosmetic NG

- ALT initial review

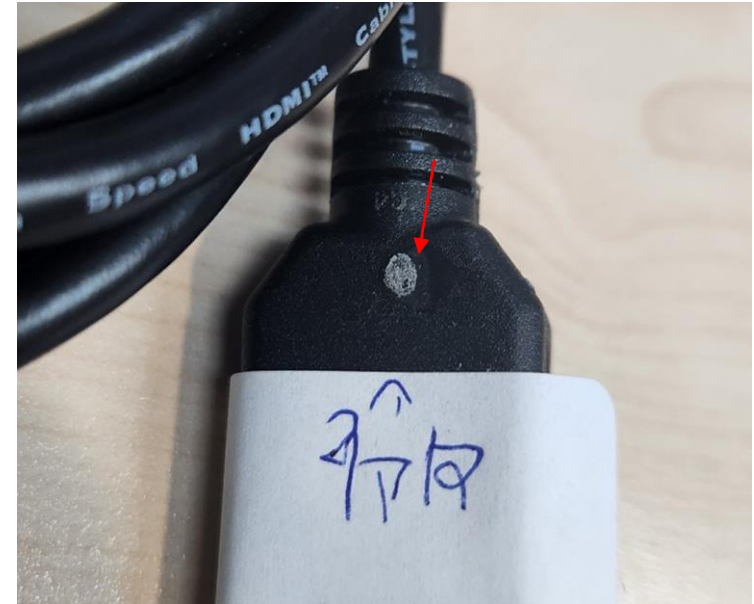
- Visual check : found abnormal.

- ALT Action

- Replace the HDMI Cable

- Action item

- FXN should be submit FA report and vender FA report
 - Provide the preventive action



Thank you.

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