

SWAN

2023.05 Mass production inspection

SH Son

Model Name: BFX-UA300

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Document History

Version	Editor	Date	Updates
001	SH Son (Seunghwan Son)	2023.06.23	initial version
002	SH Son (Seunghwan Son)	2023.06.26	Typo correction

- SKB incoming inspection

- Inspection lot : BFX-UA300 MP delivered on 2023.05
 - Sampling size code : L -> M (315pcs), AQL 0.15
 - As a result 2022.06 inspection fail, increased sampling size
 - Date : 2023.5.30 ~2022.6.2
- Location : [SK networks warehouse](#), Anseong, Korea.

- Overall inspection result

- Conditional Pass (Waived)

- Defect Total

- Critical
 - Unstable operation (hangup / no boot) * 3pcs
- Major
 - Side LED – R is different color * 1pcs
 - Screw inside * 1pcs

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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- Unstable operation (hangup / no boot)

- Issue grade : Critical
- Symptom : Unstable operation and reboot / No boot
 - Defect unit Q'ty : 3 / 315pcs
 - S/N : 2149695001202303001760, 2149695001202303001774, 2149695001202303001755

- ALT initial review

- Visual check : No found abnormal.
- Function check : found abnormal – No boot or hangup
- As a Hangup log, kernel panic is occurring

- ALT Action

- Replace MAIN (SoC) PCBA

- Action item

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

```
2149695001202303001755_a8934afeeef5_hangup.txt
[ 5.542894] ---[ end trace f55cd7a9620cbe09 ]---
[ 5.547659] Kernel panic - not syncing: Fatal exception
[ 5.553050] SMP: stopping secondary CPUs
[ 6.637099] SMP: failed to stop secondary CPUs 0,2-3
[ 6.642222] Kernel Offset: disabled
[ 6.645821] Memory Limit: none
[ 6.648974] Rebooting in 5 seconds..
[ 11.653063] SMP: stopping secondary CPUs
[ 12.737111] SMP: failed to stop secondary CPUs 0,2-3
[ 13958]I(SM): %%%SM:Msg reset system%%
[ 13962]I(SM): *****enter flow ---Sysreset to Active---
[ 13968]I(SM): soc_assert done
[ 13971]I(SM): peripheral_assert done
[ 13979]I(SM): mv_sm_power_socpoweroff done
[ 14287]I(SM): mv_sm_power_socpoweron done
[ 14343]I(SM): peripheral_assert done
[ 14347]I(SM): soc_assert done
[ 14443]I(SM): peripheral_deassert done
[ 14446]I(SM): soc_deassert done
```

- Side LED – R is different color
 - Issue grade : Major
 - Symptom : turn on different color
 - Defect unit Q'ty : 1 / 315pcs
 - S/N : 2149688001202303001179
- ALT initial review
 - Visual check : found abnormal.
 - R side FFC cable was not fully inserted.
- ALT Action
 - Replace assembly LED – R FFC cable
- Action item
 - FXN should be submit 8D report
 - Request the enhanced the PQC at factory.
 - Add each side LED check process
 - Provide the preventive action



- Screw inside
 - Issue grade : Major
 - Symptom : screw is inside the housing
 - Defect unit Q'ty : 1 / 315pcs
 - S/N : 2149688001202303002967
- ALT initial review
 - Visual check : No found abnormal.
- ALT Action
 - Remove the screw
- Action item
 - FXN should be submit 8D report
 - Check this unit speaker test result.
 - Provide the preventive action



Thank you.

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