

SWAN

2021.10 First Mass production inspection

SH Son

Model Name: BFX-UA300

Document Version: ALT_STB_MP_CSMTINS_001

Issued Date: 2021.10.20



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All Life Technology Co., Ltd



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Document History

Version	Editor	Date	Updates
001	SH Son (Seunghwan Son)	2021.10.20	initial version

- SKB incoming inspection
 - Inspection lot : BFX-UA300 1st MP delivered on Oct
 - Sampling size : 756/756pcs
 - Date : 2021.10.5 ~ 2021.10.11
 - Location : [SK networks warehouse](#), Anseong, Korea.
- Overall inspection result
 - Fail (Waived, due to product launch schedule)
- Defect Total
 - Critical*
 - Booting fail * 1pcs
 - FFC defect * 2pcs
 - Ferrite Core broken about 60%
 - Major
 - Inner sheet missing * 1pcs
 - Side deco plate NG about 40%
 - Side deco plate Missing * 1pcs
 - Minor
 - Factory stuff inside the product * 3pcs
 - Side deco plate poor attachment about 60%
 - KC label attachment NG * 2pcs

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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- Booting fail
 - Issue grade : Critical
 - Symptom : no boot after usb upgrade
 - Defect unit Q'ty : 1pcs / 756pcs
 - Defect rate : 0.13%

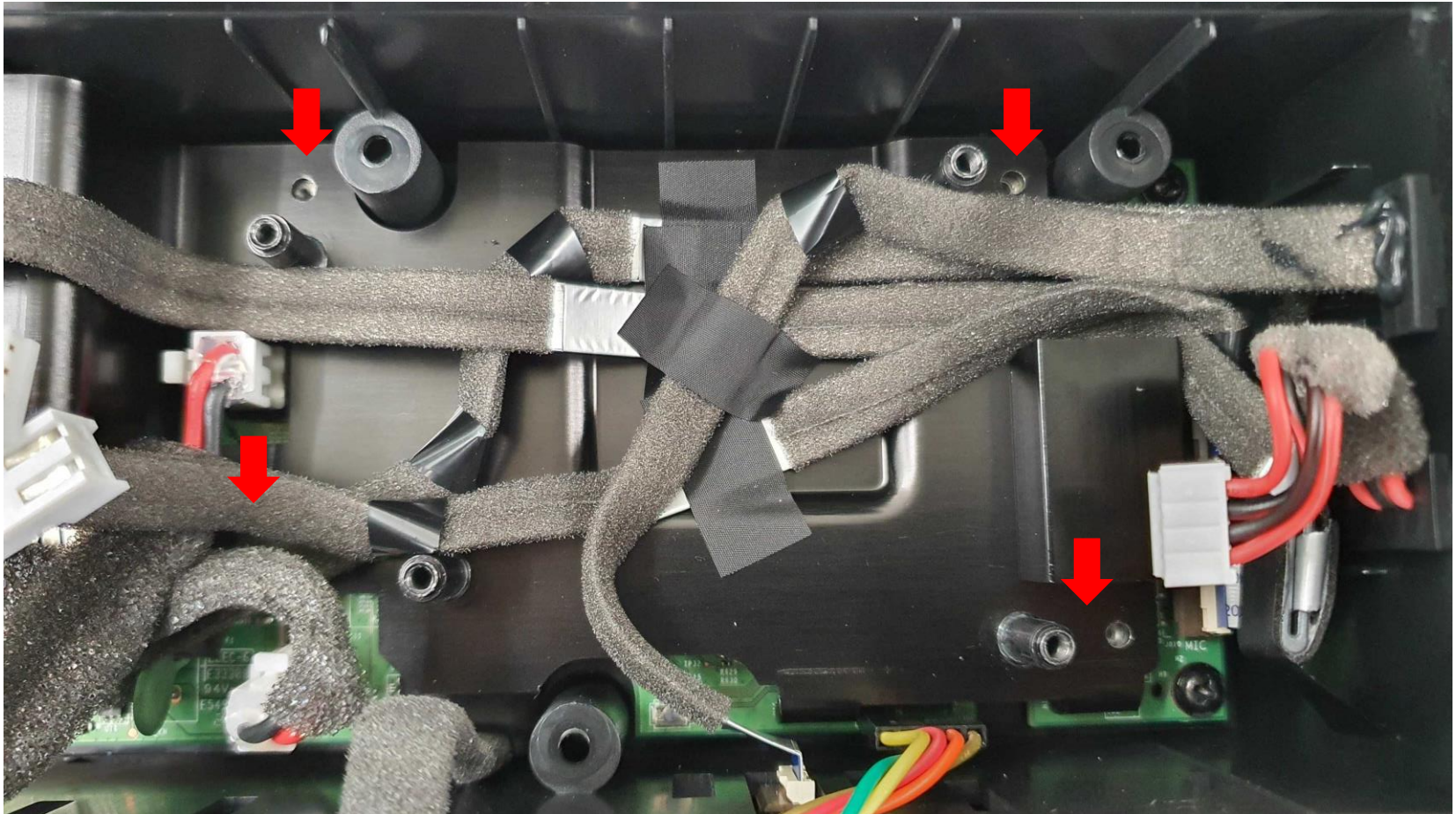
SKB SN		mac	Note
214965001	202109000160	a8:93:4a:fe:7c:13	No boot - after usb upgrade
PCBA S/N	YW11JLB		

- ALT initial review
 - Booting is fail It may HW defect
 - No boot after SPI booting and eMMC update directly.
 - Booting log : [Link](#)
 - 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
 - Also, this SET is no screw fastening inside
- Action item
 - FXN should be submit 8D report
 - Find the root cause.
 - Provide the preventive action



- Booting fail

- ALT initial review
 - Also, this SET is no screw fastening inside



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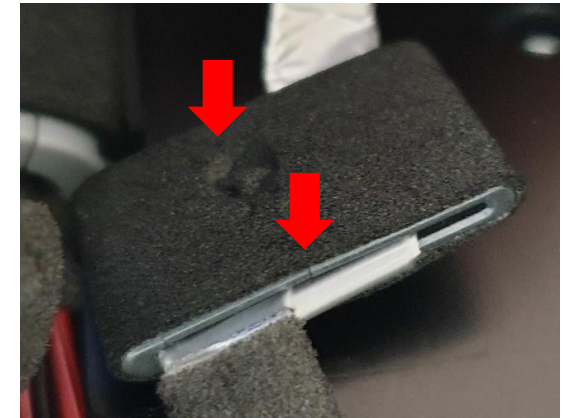
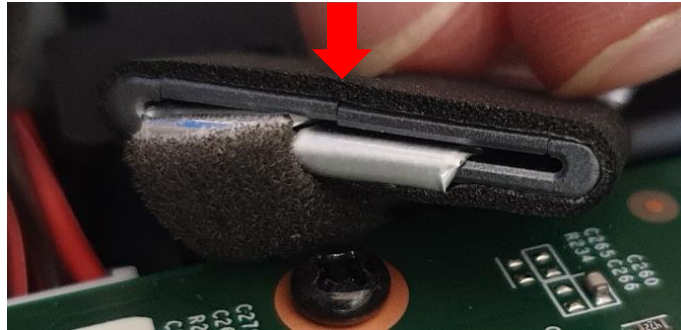
- FFC defect
 - Issue grade : Critical
 - Symptom : No turn on the LED, No button operation
 - Defect unit Q'ty : 2pcs / 756pcs
 - Defect rate : 0.26%

SKB SN		mac	Note	
214965001	202199000013	a8:93:4a:fe:79:6f	Not turn on the LED	
214965001	202199000010	a8:93:4a:fe:79:7e	Not operation the Button	

- ALT initial review
 - Checked all of connections -> No abnormalities found.
 - Changed FFC cable : Cleared Issue.
 - LED FFC : 14 Pin open
 - Button : 14, 15 Pin open
- Action item
 - FXN should be submit 8D report
 - Explain why it was not detected in the factory
 - Find the root cause.
 - Provide the preventive action



- Ferrite Core broken
 - Issue grade : Critical
 - Symptom : Ferrite Core broken after assembly
 - Defect unit Q'ty : Not counted
 - Defect rate : about 60%



- ALT initial review
 - It is damaged due to interference with the holder mic screw after final assembly
- Action item
 - FXN should be submit 8D report
 - Make short term solution for mass production.
 - Find the root cause and long term solution
 - Provide the preventive action

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- Inner sheet missing on the carton box

- Issue grade : Minor
- Symptom
 - Missing inner sheet
 - Defect unit Q'ty : 1pcs / 189 carton
 - Defect rate : 0.52%
 - Box No : SKBUA321100046



- ALT initial review
 - temporary replacement the inner sheet
- Action item
 - FXN should be submit 8D report
 - Need to update SOP and WI (Work Instruction)
 - Provide the preventive action

- Side deco plate NG
 - Issue grade : Major
 - Symptom
 - Attachment line NG
 - Defect unit Q'ty : Not counted
 - Defect rate : about 40%
- ALT initial review
 - Attachment line : visual inspection NG
- Action item
 - FXN should be submit 8D report
 - Need to update SOP and WI (Work Instruction)
 - Provide the preventive action



- Side deco plate NG



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- Side deco plate Missing
 - Issue grade : Major
 - Symptom
 - Side deco plate missing
 - Defect unit Q'ty : 1pcs / 756pcs
 - Defect rate : 0.13%

SKB SN	
214965001	202199000061



- ALT initial review
 - Visual inspection NG
- Action item
 - FXN should be submit 8D report
 - Remaining material(deco plate) occurred after assembly, explain why it was not checked.
 - update SOP and WI (Work Instruction)
 - Provide the preventive action



- Factory stuff inside the product
 - Issue grade : Minor
 - Symptom
 - Memo on the RCU 1pcs / 756pcs
 - SET temp label on the rear side 2pcs / 756pcs
 - Defect rate : 0.39%



- Action item
 - FXN should be submit 8D report
 - Need to update SOP and WI (Work Instruction)
 - Provide the preventive action

- Side deco plate poor attachment

- Issue grade : Minor
- Symptom
 - poor attachment
 - Defect unit Q'ty : Not counted
 - Defect rate : about 40%



- ALT initial review
 - poor attachment : Falls off easily
 - **Please push deco plate after attachment**
- Action item
 - FXN should be submit 8D report
 - Need to update SOP and WI (Work Instruction)
 - Provide the preventive action



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- KC label attachment NG

- Issue grade : Minor
- Symptom
 - Wrong place on the KC label
 - Defect unit Q'ty : 2pcs / 756pcs
 - Defect rate : 0.26%

SKB SN		Note
214965001	202199000024	
		Not checked



- ALT initial review
 - These SETs are used in a blogger review
 - <https://blog.naver.com/der68/222541569881>
 - <https://blog.naver.com/hmshms1224/222534856348>
- Action item
 - FXN should be submit 8D report
 - Need to update SOP and WI (Work Instruction)
 - Provide the preventive action

Thank you.

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