Product Notification Form

PCN #:PCN17-0004	Rev: 1.0	Issue Date: January 4th, 2017

Type of Change: Design improvement for enhanced drive reliability at high temperature.
☒ minor / ☐ major

Detailed Description of Change:
The mSATA SSD X-600m series (SLC) with 8GB to 128GB capacity have been improved to address a sporadic drive non-initialization under rare high temperature conditions (>60°C Tcase).

The symptom of non-initialization is temporary at high temperature only and does not lead to any data corruption or loss.

Four signal termination resistors have been added to the printed circuit board (PCB) design, to ensure drive initialization under high operating temperature conditions.

Additionally, the voltage regulator circuits have been improved to lower the current consumption in the following operating modes by 20% to 80%: idle, slumber, device sleep. There is no impact on current consumption for active modes such as read/write.

Quality impact:
☐ minor / ☐ major / ☒ no

Reliability impact:
☒ minor / ☐ major / ☐ no improved drive initialization sequence for high temperature power-on sequence (>60°C Tcase), lower current consumption

Products affected:

Series	Part Number	New Part Number
mSATA SSD X-600m series 8GB to 128GB	SFSA008GU1AA1T0-t-DB-216-STD	Same, no change
	SFSA016GU1AA2T0-t-DB-216-STD	
	SFSA032GU1AA4T0-t-DB-216-STD	
	SFSA064GU1AA4T0-t-QC-216-STD	
	SFSA128GU1AA4T0-t-NC-216-STD	

t = temperature grade C or I

Implementation date: January 4th, 2017

Forecasted Milestones:
The products will be fluently changed to the new revision. The expected switch date is indicated in the below table. Traceability is ensured through batch number.

Milestone	Expected switch date
Qualification samples (all densities)	Now, upon request
Main production (all densities)	January 2017

Should you have any issues with the timeline or content of this change, please contact the representative Swissbit FAE listed below in your area within 20 days. No response will be deemed as customer's acceptance of the change and the change will be implemented pursuant to the implementation date set forth in this PCN.

Contact	Name	Email
Application Engineer – EMEA	Pablo Dorronsoro	pablo.dorronsoro@swissbit.com
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IMPORTANT NOTE:

Swissbit proactively announces and informs about every change in the product hardware and firmware. We always test backwards compatibility and assure best quality, reliability and transparency for our customers. We apologize for any inconvenience caused.

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Affected products:

PN	Description
605617	SFSA008GU1AA1T0-I-DB-216-STD
605618	SFSA008GU1AA1T0-C-DB-216-STD
605261	SFSA016GU1AA2T0-I-DB-216-STD
605379	SFSA016GU1AA2T0-C-DB-216-STD
605262	SFSA032GU1AA4T0-I-DB-216-STD
605380	SFSA032GU1AA4T0-C-DB-216-STD
605263	SFSA064GU1AA4T0-I-QC-216-STD
605381	SFSA064GU1AA4T0-C-QC-216-STD
605264	SFSA128GU1AA4T0-I-NC-216-STD
605382	SFSA128GU1AA4T0-C-NC-216-STD