swissbit®

Product Notification Form

PCN #: PCN18-0019	Rev: 1.0	Issue Date: July 16th, 2018

Type of Change: New NAND Flash component

🗌 minor / 🖾 major

Detailed Description of Change:

This product change notification is to inform you about a NAND Flash replacement in the M.2 SATA SSD X-64m2 2280 series (MLC) with 960GB capacity, due to limited supply and EOL announcement from Micron.

Current NAND Flash	New NAND Flash	
MT29F2T08CUHBBM4-3R:B	TH58TFToDDLBA8H	
4 x 2Tb Micron Lo6B 3D MLC NAND, BGA	8 x 1Tb Toshiba 15nm 2D MLC NAND, BGA	

To accommodate 8 Flash placements, the PCB had to be redesigned. The dimensions of the PCB and the controller in use do not change. However, due to the NAND flash change, the current consumption and performance values do change, see table below for a comparison:

Parameter	Current product	Successor product
Controller	SMI SM2246EN	SMI SM2246EN
Available temperature grades	Commercial (070°C)	Commercial (070°C), Industrial (-4085°C)
Performance Sequential (Read/Write)	R: 520 MB/s, W: 450 MB/s	R: 525 MB/s, W: 460 MB/s *
Performance Random (Read/Write)	R: 66'500 IOPS, W: 78'500 IOPS	R: 74'000 IOPS, W: 78'000 IOPS *

* target specification. Final values will be available with first sample deliveries.

Swissbit recommends to qualify the new product. Updated FMD data is available upon request.

Quality impact:

🗌 minor / 🗌 major / 🖾 no

Reliability impact:

🗌 minor / 🗌 major / 🖂 no

Series	Part Number		New Part Number
M.2 SATA SSD X-64m2 2280 series, 960GB capacity	SFSA960GM3AA4MT-C-OC-62A-STD		SFSA960GM3AA8TO-C-OC-616-STD
Recommended action		Qualify successor	product
Qualification samples availability		October 2018	
Last Time Buy of current product		October 25th, 2018	
Last Time Shipment of current product		January 25th, 2019	

Should you have any questions or concerns with the content of this change, please contact the Swissbit PCN team at <u>customer.pcn@swissbit.com</u> within 30 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.

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IMPORTANT NOTE:

Swissbit – as a provider of industrial products – 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.

Products affected:

PN	Description	Series
606133	SFSA960GM3AA4MT-C-0C-62A-STD	X-64m2 2280