

Product Notification Form

PCN #: PCN16-0056.docx	Rev: 1.0	Issue Date: September 8th, 2016														
Type of Change: <input checked="" type="checkbox"/> minor / <input type="checkbox"/> major																
Detailed Description of Change: <p>The mSATA SSD X-60m series (MLC) with 25GB to 512GB capacity have been improved to address a sporadic drive non-initialization under rare high temperature conditions (>60°C Tcase).</p> <p>The symptom of non-initialization is temporary at high temperature only and does <u>not</u> lead to any data corruption or loss.</p> <p>Four signal termination resistors have been added to the printed circuit board (PCB) design, to insure drive initialization under high operating temperature conditions.</p> <p>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.</p>																
Quality impact: <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no																
Reliability impact: <input checked="" type="checkbox"/> minor / <input type="checkbox"/> major / <input type="checkbox"/> no improved drive initialization sequence for high temperature power-on sequence (>60°C Tcase), lower current consumption																
Products affected: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width:30%;">Series</th> <th style="width:40%;">Part Number</th> <th style="width:30%;">New Part Number</th> </tr> </thead> <tbody> <tr> <td rowspan="6" style="text-align:center; vertical-align:middle;"> mSATA SSD X-60m series (MLC) 25GB to 512GB </td> <td>SFSAdddGU2AA1T0-t-cc-216-STD</td> <td rowspan="6" style="text-align:center; vertical-align:middle;"> Same, no change </td> </tr> <tr> <td>SFSAdddGU2AA1T0-t-cc-216-EXT</td> </tr> <tr> <td>SFSAdddGU2AA2T0-t-cc-216-STD</td> </tr> <tr> <td>SFSAdddGU2AA2T0-t-cc-216-EXT</td> </tr> <tr> <td>SFSAdddGU2AA4T0-t-cc-216-STD</td> </tr> <tr> <td>SFSAdddGU2AA4T0-t-cc-216-EXT</td> </tr> </tbody> </table> <p>t = temperature grade C or I; d = drive capacity; c = chip configuration</p>			Series	Part Number	New Part Number	mSATA SSD X-60m series (MLC) 25GB to 512GB	SFSAdddGU2AA1T0-t-cc-216-STD	Same, no change	SFSAdddGU2AA1T0-t-cc-216-EXT	SFSAdddGU2AA2T0-t-cc-216-STD	SFSAdddGU2AA2T0-t-cc-216-EXT	SFSAdddGU2AA4T0-t-cc-216-STD	SFSAdddGU2AA4T0-t-cc-216-EXT			
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Implementation date: September 30th 2016																
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. <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width:60%;">Milestone</th> <th style="width:40%;">Expected switch date</th> </tr> </thead> <tbody> <tr> <td>Qualification samples (all densities)</td> <td>Now, upon request</td> </tr> <tr> <td>25GB / 30GB / 32 GB</td> <td>September 2016</td> </tr> <tr> <td>50GB / 60GB / 64GB</td> <td>September 2016</td> </tr> <tr> <td>100GB / 120GB / 128GB</td> <td>Q1 2017</td> </tr> <tr> <td>200GB / 240GB / 256GB</td> <td>September 2016</td> </tr> <tr> <td>400GB / 480GB / 512GB</td> <td>Q1 2017</td> </tr> </tbody> </table>			Milestone	Expected switch date	Qualification samples (all densities)	Now, upon request	25GB / 30GB / 32 GB	September 2016	50GB / 60GB / 64GB	September 2016	100GB / 120GB / 128GB	Q1 2017	200GB / 240GB / 256GB	September 2016	400GB / 480GB / 512GB	Q1 2017
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Recommended Action: no action required																
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.																

Product Notification Form

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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.

Affected products

PN	Description
605840	SFSA025GU2AA1T0-C-LB-216-STD
605841	SFSA025GU2AA1T0-I-LB-216-STD
605219	SFSA030GU2AA1T0-I-LB-216-STD
605372	SFSA030GU2AA1T0-C-LB-216-STD
605830	SFSA032GU2AA1T0-C-LB-216-EXT
605831	SFSA032GU2AA1T0-I-LB-216-EXT
605842	SFSA050GU2AA2T0-C-LB-216-STD
605843	SFSA050GU2AA2T0-I-LB-216-STD
605220	SFSA060GU2AA2T0-I-LB-216-STD
605373	SFSA060GU2AA2T0-C-LB-216-STD
605832	SFSA064GU2AA2T0-C-LB-216-EXT
605833	SFSA064GU2AA2T0-I-LB-216-EXT
605844	SFSA100GU2AA4T0-C-LB-216-STD
605845	SFSA100GU2AA4T0-I-LB-216-STD
605221	SFSA120GU2AA4T0-I-LB-216-STD
605374	SFSA120GU2AA4T0-C-LB-216-STD
605834	SFSA128GU2AA4T0-C-LB-216-EXT
605835	SFSA128GU2AA4T0-I-LB-216-EXT
605846	SFSA200GU2AA4T0-C-HC-216-STD
605847	SFSA200GU2AA4T0-I-HC-216-STD
605222	SFSA240GU2AA4T0-I-HC-216-STD
605375	SFSA240GU2AA4T0-C-HC-216-STD
605836	SFSA256GU2AA4T0-C-HC-216-EXT
605837	SFSA256GU2AA4T0-I-HC-216-EXT
605848	SFSA400GU2AA4T0-C-OC-216-STD
605849	SFSA400GU2AA4T0-I-OC-216-STD
605223	SFSA480GU2AA4T0-I-OC-216-STD
605376	SFSA480GU2AA4T0-C-OC-216-STD
605838	SFSA512GU2AA4T0-C-OC-216-EXT
605839	SFSA512GU2AA4T0-I-OC-216-EXT