

# Product Notification Form

<b>PCN #:</b> PCN17-0005	<b>Rev:</b> 1.0	<b>Issue Date:</b> January 4th, 2017												
<b>Type of Change:</b> Design improvement for enhanced drive reliability at high temperature. <input checked="" type="checkbox"/> minor / <input type="checkbox"/> major														
<b>Detailed Description of Change:</b> The M.2 SATA SSD X-60m2 2280 series (MLC) with 30GB up to 480GB and M.2 SATA SSD X-600m2 2280 series (SLC) with 16GB up 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 <u>not</u> 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.														
<b>Quality impact:</b> <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no														
<b>Reliability impact:</b> <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)														
<b>Products affected:</b> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width:35%;">Series</th> <th style="width:35%;">Part Number</th> <th style="width:30%;">New Part Number</th> </tr> </thead> <tbody> <tr> <td rowspan="3">M.2 SATA SSD 2280 X-60m2 (MLC)</td> <td>SFSAdddGM1AA1T0-t-cc-516-STD</td> <td rowspan="5">Same, no change</td> </tr> <tr> <td>SFSAdddGM1AA2T0-t-cc-516-STD</td> </tr> <tr> <td>SFSAdddGM1AA4T0-t-cc-616-STD</td> </tr> <tr> <td rowspan="2">M.2 SATA SSD 2280 X-600m2 (SLC)</td> <td>SFSAdddGM1AA2T0-t-cc-516-STD</td> </tr> <tr> <td>SFSAdddGM1AA4T0-t-cc-616-STD</td> </tr> </tbody> </table> <p>d = drive capacity; t = temperature grade C or I; c = chip configuration</p>			Series	Part Number	New Part Number	M.2 SATA SSD 2280 X-60m2 (MLC)	SFSAdddGM1AA1T0-t-cc-516-STD	Same, no change	SFSAdddGM1AA2T0-t-cc-516-STD	SFSAdddGM1AA4T0-t-cc-616-STD	M.2 SATA SSD 2280 X-600m2 (SLC)	SFSAdddGM1AA2T0-t-cc-516-STD	SFSAdddGM1AA4T0-t-cc-616-STD	
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<b>Implementation date:</b> January 4th, 2017														
<b>Forecasted Milestones:</b> 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;"> <thead> <tr> <th style="width:55%;">Milestone</th> <th style="width:45%;">Expected switch date</th> </tr> </thead> <tbody> <tr> <td>Qualification samples (all densities)</td> <td>Now, upon request</td> </tr> <tr> <td>Main production parts (all densities)</td> <td>January 2017</td> </tr> </tbody> </table>			Milestone	Expected switch date	Qualification samples (all densities)	Now, upon request	Main production parts (all densities)	January 2017						
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<b>Recommended Action:</b> 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.														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:35%;">Contact</th> <th style="width:35%;">Name</th> <th style="width:30%;">Email</th> </tr> </thead> <tbody> <tr> <td>Application Engineer - EMEA</td> <td>Pablo Dorronsoro</td> <td><a href="mailto:pablo.dorronsoro@swissbit.com">pablo.dorronsoro@swissbit.com</a></td> </tr> <tr> <td>Application Engineer - NA</td> <td>Kristina Arnold</td> <td><a href="mailto:kristina.arnold@swissbit.com">kristina.arnold@swissbit.com</a></td> </tr> <tr> <td>Application Engineer - JP</td> <td>Junji Kaneko</td> <td><a href="mailto:junji.kaneko@swissbit.com">junji.kaneko@swissbit.com</a></td> </tr> </tbody> </table>			Contact	Name	Email	Application Engineer - EMEA	Pablo Dorronsoro	<a href="mailto:pablo.dorronsoro@swissbit.com">pablo.dorronsoro@swissbit.com</a>	Application Engineer - NA	Kristina Arnold	<a href="mailto:kristina.arnold@swissbit.com">kristina.arnold@swissbit.com</a>	Application Engineer - JP	Junji Kaneko	<a href="mailto:junji.kaneko@swissbit.com">junji.kaneko@swissbit.com</a>
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## Product Notification Form

**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.*

**Affected products:**

PN	Description	Series
605329	SFSA030GM1AA1TO-I-LB-516-STD	X-60m2 2280 (MLC)
605407	SFSA030GM1AA1TO-C-LB-516-STD	X-60m2 2280 (MLC)
605330	SFSA060GM1AA2TO-I-LB-516-STD	X-60m2 2280 (MLC)
605408	SFSA060GM1AA2TO-C-LB-516-STD	X-60m2 2280 (MLC)
605331	SFSA120GM1AA4TO-I-LB-616-STD	X-60m2 2280 (MLC)
605409	SFSA120GM1AA4TO-C-LB-616-STD	X-60m2 2280 (MLC)
605332	SFSA240GM1AA4TO-I-HC-616-STD	X-60m2 2280 (MLC)
605410	SFSA240GM1AA4TO-C-HC-616-STD	X-60m2 2280 (MLC)
605333	SFSA480GM1AA4TO-I-OC-616-STD	X-60m2 2280 (MLC)
605411	SFSA480GM1AA4TO-C-OC-616-STD	X-60m2 2280 (MLC)
605334	SFSA016GM1AA2TO-I-DB-516-STD	X-600m2 2280 (SLC)
605412	SFSA016GM1AA2TO-C-DB-516-STD	X-600m2 2280 (SLC)
605335	SFSA032GM1AA4TO-I-DB-616-STD	X-600m2 2280 (SLC)
605413	SFSA032GM1AA4TO-C-DB-616-STD	X-600m2 2280 (SLC)
605336	SFSA064GM1AA4TO-I-QC-616-STD	X-600m2 2280 (SLC)
605414	SFSA064GM1AA4TO-C-QC-616-STD	X-600m2 2280 (SLC)
605337	SFSA128GM1AA4TO-I-NC-616-STD	X-600m2 2280 (SLC)
605415	SFSA128GM1AA4TO-C-NC-616-STD	X-600m2 2280 (SLC)