

# Product Notification Form

<b>PCN #:</b> PCN20-0044	<b>Rev:</b> 1.0	<b>Issue Date:</b> July 17, 2020																									
<p><b>Type of Change:</b> Improved Firmware for new design ins and product line maintenance  <input checked="" type="checkbox"/> minor / <input type="checkbox"/> major</p>																											
<p><b>Detailed Description of Change:</b>          This product change notification is to inform you about a firmware update for the following product series</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">X-75 (2.5")</td> <td style="width: 80%;">3D TLC, 240 – 960 GBytes</td> </tr> <tr> <td>X-73 (2.5")</td> <td>3D TLC, 240 – 960 GBytes</td> </tr> <tr> <td>X-75m2 2280</td> <td>3D TLC, 240 – 960 GBytes</td> </tr> <tr> <td>X-75m2 2242</td> <td>3D TLC, 240 – 480 GBytes</td> </tr> <tr> <td>X-75m (mSATA)</td> <td>3D TLC, 240 – 960 GBytes</td> </tr> <tr> <td>X-75s (SlimSATA)</td> <td>3D TLC, 240 – 960 GBytes</td> </tr> </table> <p>which use firmware <b>SBR10010 (FW2)</b>.</p> <p>The firmware <b>SBR10013 (FW3)</b> has been improved as follows:</p> <ul style="list-style-type: none"> <li>Improved SATA link error handling in high write load situations to guarantee successful link recovery. (Improve immunity to disturbances)</li> <li>Improved sudden power off recovery for very seldom corner cases.</li> <li>Improved handling of ATA Command "Security Erase Unit" (Secure Erase) immediately followed by a safe shutdown (Standby Immediate) and a power cycle.</li> <li>Routine maintenance updates.</li> </ul> <p>Swissbit has completed its internal testing and has qualified the new firmware to ensure full compatibility. We highly recommend to switch to the new firmware revision. The previous firmware (FW2) will still be available for approved customer applications.</p>			X-75 (2.5")	3D TLC, 240 – 960 GBytes	X-73 (2.5")	3D TLC, 240 – 960 GBytes	X-75m2 2280	3D TLC, 240 – 960 GBytes	X-75m2 2242	3D TLC, 240 – 480 GBytes	X-75m (mSATA)	3D TLC, 240 – 960 GBytes	X-75s (SlimSATA)	3D TLC, 240 – 960 GBytes													
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<p><b>Quality impact:</b>  <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no</p>																											
<p><b>Reliability impact:</b>  <input checked="" type="checkbox"/> minor / <input type="checkbox"/> major / <input type="checkbox"/> no    Improved reliability during SATA error handling and for sudden power off corner cases</p>																											
<p><b>Products affected:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Series</th> <th style="width: 40%;">Current Part Number</th> <th style="width: 45%;">New Part Number</th> </tr> </thead> <tbody> <tr> <td>X-75 (2.5")</td> <td>SFSAdddGQ2AKxT0-t-cc-226-STD</td> <td>SFSAdddGQ2AKxT0-t-cc-236-STD</td> </tr> <tr> <td>X-73 (2.5")</td> <td>SFSAdddGS2AKxT0-t-cc-226-STD</td> <td>SFSAdddGS2AKxT0-t-cc-236-STD</td> </tr> <tr> <td rowspan="2">X-75m2 2280</td> <td>SFSAdddGM2AKxT0-t-cc-526-STD</td> <td>SFSAdddGM2AKxT0-t-cc-536-STD</td> </tr> <tr> <td>SFSAdddGM2AKxT0-t-cc-626-STD</td> <td>SFSAdddGM2AKxT0-t-cc-636-STD</td> </tr> <tr> <td rowspan="2">X-75m2 2242</td> <td>SFSAdddGM2AKxT0-t-cc-126-STD</td> <td>SFSAdddGM2AKxT0-t-cc-136-STD</td> </tr> <tr> <td>SFSAdddGM2AKxT0-t-cc-226-STD</td> <td>SFSAdddGM2AKxT0-t-cc-236-STD</td> </tr> <tr> <td>X-75m (mSATA)</td> <td>SFSAdddGU2AKxT0-t-cc-226-STD</td> <td>SFSAdddGU2AKxT0-t-cc-236-STD</td> </tr> <tr> <td>X-75s (SlimSATA)</td> <td>SFSAdddGV2AKxT0-t-cc-226-STD</td> <td>SFSAdddGV2AKxT0-t-cc-236-STD</td> </tr> </tbody> </table> <p>d = drive capacity; x = flash chip qty; t = temperature grade C or I; cc = chip configuration</p>			Series	Current Part Number	New Part Number	X-75 (2.5")	SFSAdddGQ2AKxT0-t-cc-226-STD	SFSAdddGQ2AKxT0-t-cc-236-STD	X-73 (2.5")	SFSAdddGS2AKxT0-t-cc-226-STD	SFSAdddGS2AKxT0-t-cc-236-STD	X-75m2 2280	SFSAdddGM2AKxT0-t-cc-526-STD	SFSAdddGM2AKxT0-t-cc-536-STD	SFSAdddGM2AKxT0-t-cc-626-STD	SFSAdddGM2AKxT0-t-cc-636-STD	X-75m2 2242	SFSAdddGM2AKxT0-t-cc-126-STD	SFSAdddGM2AKxT0-t-cc-136-STD	SFSAdddGM2AKxT0-t-cc-226-STD	SFSAdddGM2AKxT0-t-cc-236-STD	X-75m (mSATA)	SFSAdddGU2AKxT0-t-cc-226-STD	SFSAdddGU2AKxT0-t-cc-236-STD	X-75s (SlimSATA)	SFSAdddGV2AKxT0-t-cc-226-STD	SFSAdddGV2AKxT0-t-cc-236-STD
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<p><b>Implementation date:</b> July 17, 2020</p>																											

## Product Notification Form

Products with new firmware can be ordered immediately. Products with old firmware remain orderable for approved customer applications under the condition that the host system and its behavior does not change (Hardware, Software, Workload, etc.) after initial qualification of the SSD product at customer side. However, it is highly recommended to switch to the new FW for highest reliability.

**Recommended action:** Qualify new item with improved FW to ensure highest reliability in host system

Should you have any questions or concerns with the content of this change, please contact the Swissbit PCN team at [customer.pcn@swissbit.com](mailto:customer.pcn@swissbit.com) 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.

***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.***

## Product Notification Form

**Products affected:**

Series	Current ERP#	Current Part Number	New ERP#	New Part Number
X-75 (2.5")	607341	SFSA240GQ2AK4TO-C-6B-226-STD	607847	SFSA240GQ2AK4TO-C-6B-236-STD
	607342	SFSA240GQ2AK4TO-I-6B-226-STD	607848	SFSA240GQ2AK4TO-I-6B-236-STD
	607343	SFSA480GQ2AK2TO-C-8C-226-STD	607849	SFSA480GQ2AK2TO-C-8C-236-STD
	607344	SFSA480GQ2AK2TO-I-8C-226-STD	607850	SFSA480GQ2AK2TO-I-8C-236-STD
	607345	SFSA960GQ2AK4TO-C-8C-226-STD	607851	SFSA960GQ2AK4TO-C-8C-236-STD
	607346	SFSA960GQ2AK4TO-I-8C-226-STD	607852	SFSA960GQ2AK4TO-I-8C-236-STD
X-73 (2.5")	607138	SFSA240GS2AK4TO-I-6B-226-STD	607853	SFSA240GS2AK4TO-I-6B-236-STD
	607139	SFSA240GS2AK4TO-C-6B-226-STD	607854	SFSA240GS2AK4TO-C-6B-236-STD
	607140	SFSA480GS2AK2TO-I-8C-226-STD	607855	SFSA480GS2AK2TO-I-8C-236-STD
	607141	SFSA480GS2AK2TO-C-8C-226-STD	607856	SFSA480GS2AK2TO-C-8C-236-STD
	607142	SFSA960GS2AK4TO-I-8C-226-STD	607857	SFSA960GS2AK4TO-I-8C-236-STD
	607143	SFSA960GS2AK4TO-C-8C-226-STD	607858	SFSA960GS2AK4TO-C-8C-236-STD
X-75m (mSATA)	607255	SFSA240GU2AK4TO-C-6B-226-STD	607255	SFSA240GU2AK4TO-C-6B-236-STD
	607256	SFSA240GU2AK4TO-I-6B-226-STD	607859	SFSA240GU2AK4TO-I-6B-236-STD
	607257	SFSA480GU2AK2TO-C-8C-226-STD	607860	SFSA480GU2AK2TO-C-8C-236-STD
	607258	SFSA480GU2AK2TO-I-8C-226-STD	607861	SFSA480GU2AK2TO-I-8C-236-STD
	607259	SFSA960GU2AK4TO-C-8C-226-STD	607259	SFSA960GU2AK4TO-C-8C-236-STD
	607260	SFSA960GU2AK4TO-I-8C-226-STD	607862	SFSA960GU2AK4TO-I-8C-236-STD
X-75m2 2242	607207	SFSA240GM2AK1TO-C-8C-126-STD	607863	SFSA240GM2AK1TO-C-8C-136-STD
	607208	SFSA240GM2AK1TO-I-8C-126-STD	607864	SFSA240GM2AK1TO-I-8C-136-STD
	607209	SFSA480GM2AK2TO-C-8C-226-STD	607209	SFSA480GM2AK2TO-C-8C-236-STD
	607210	SFSA480GM2AK2TO-I-8C-226-STD	607865	SFSA480GM2AK2TO-I-8C-236-STD
X-75m2 2280	607223	SFSA240GM2AK4TO-C-6B-626-STD	607866	SFSA240GM2AK4TO-C-6B-636-STD
	607224	SFSA240GM2AK4TO-I-6B-626-STD	607867	SFSA240GM2AK4TO-I-6B-636-STD
	607225	SFSA480GM2AK2TO-C-8C-526-STD	607868	SFSA480GM2AK2TO-C-8C-536-STD
	607226	SFSA480GM2AK2TO-I-8C-526-STD	607869	SFSA480GM2AK2TO-I-8C-536-STD
	607227	SFSA960GM2AK4TO-C-8C-626-STD	607870	SFSA960GM2AK4TO-C-8C-636-STD
	607228	SFSA960GM2AK4TO-I-8C-626-STD	607871	SFSA960GM2AK4TO-I-8C-636-STD
X-75s (SlimSATA)	607237	SFSA240GV2AK4TO-C-6B-226-STD	607237	SFSA240GV2AK4TO-C-6B-236-STD
	607238	SFSA240GV2AK4TO-I-6B-226-STD	607238	SFSA240GV2AK4TO-I-6B-236-STD
	607240	SFSA480GV2AK2TO-C-8C-226-STD	607240	SFSA480GV2AK2TO-C-8C-236-STD
	607241	SFSA480GV2AK2TO-I-8C-226-STD	607241	SFSA480GV2AK2TO-I-8C-236-STD
	607242	SFSA960GV2AK4TO-C-8C-226-STD	607242	SFSA960GV2AK4TO-C-8C-236-STD
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