

# Product Notification Form

<b>PCN #:</b> PCN19-0028	<b>Rev:</b> 1.0	<b>Issue Date:</b> November 22, 2019																									
<b>Type of Change:</b> Improved Firmware for new design-ins and product line maintenance <input type="checkbox"/> minor / <input checked="" type="checkbox"/> major																											
<b>Detailed Description of Change:</b> This product change notification is to inform you about a firmware update for <b>X-600m (M0-300 mSATA), X-600s (M0-297 SLIM SATA), X-600m.2 (M.2 22xx) and F-600 (CFast)</b> series (SLC) with capacities exclusively up to and including 128GB which use firmware <b>SBR11015 (FW1)</b> .  The firmware <b>SBR12055 (FW2)</b> has been improved as follows: <ul style="list-style-type: none"> <li>S.M.A.R.T. value initialization improvement for a high-frequency status check (several times per hour)</li> <li>Garbage collection priority increase for constant write applications</li> <li>Routine maintenance updates to ensure long service life of the product line (configuration and support options)</li> </ul> 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 (FW1) will still be available for approved customer applications.																											
<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    Eliminates the risk of replacement blocks becoming scarce in constant write applications.																											
<b>Products affected:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <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>F-600</td> <td>SFCAdddGHgAAxTO-t-cc-216-STD</td> <td>SFCAdddGH3AAxTO-t-cc-226-STD</td> </tr> <tr> <td rowspan="2">X-600m</td> <td>SFSAdddGUgAAxTO-t-cc-216-STD</td> <td>SFSAdddGU3AAxTO-t-cc-226-STD</td> </tr> <tr> <td>SFSAdddGUgAAxTO-t-cc-216-STC</td> <td>SFSAdddGU3AAxTO-t-cc-226-STC</td> </tr> <tr> <td rowspan="2">X-600s</td> <td>SFSAdddGVgAAxTO-t-cc-216-STD</td> <td>SFSAdddGV3AAxTO-t-cc-226-STD</td> </tr> <tr> <td>SFSAdddGVgAAxTO-t-cc-216-STC</td> <td>SFSAdddGV3AAxTO-t-cc-226-STC</td> </tr> <tr> <td rowspan="4">X-600m.2</td> <td>SFSAdddGMgAAxTO-t-cc-216-STD</td> <td>SFSAdddGM3AAxTO-t-cc-226-STD</td> </tr> <tr> <td>SFSAdddGMgAAxTO-t-cc-416-STD</td> <td>SFSAdddGM3AAxTO-t-cc-426-STD</td> </tr> <tr> <td>SFSAdddGMgAAxTO-t-cc-516-STD</td> <td>SFSAdddGM3AAxTO-t-cc-526-STD</td> </tr> <tr> <td>SFSAdddGMgAAxTO-t-cc-616-STD</td> <td>SFSAdddGM3AAxTO-t-cc-626-STD</td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 5px;">d = drive capacity; x = flash chip qty; t = temperature grade C or I; cc = chip configuration</p>			Series	Current Part Number	New Part Number	F-600	SFCAdddGHgAAxTO-t-cc-216-STD	SFCAdddGH3AAxTO-t-cc-226-STD	X-600m	SFSAdddGUgAAxTO-t-cc-216-STD	SFSAdddGU3AAxTO-t-cc-226-STD	SFSAdddGUgAAxTO-t-cc-216-STC	SFSAdddGU3AAxTO-t-cc-226-STC	X-600s	SFSAdddGVgAAxTO-t-cc-216-STD	SFSAdddGV3AAxTO-t-cc-226-STD	SFSAdddGVgAAxTO-t-cc-216-STC	SFSAdddGV3AAxTO-t-cc-226-STC	X-600m.2	SFSAdddGMgAAxTO-t-cc-216-STD	SFSAdddGM3AAxTO-t-cc-226-STD	SFSAdddGMgAAxTO-t-cc-416-STD	SFSAdddGM3AAxTO-t-cc-426-STD	SFSAdddGMgAAxTO-t-cc-516-STD	SFSAdddGM3AAxTO-t-cc-526-STD	SFSAdddGMgAAxTO-t-cc-616-STD	SFSAdddGM3AAxTO-t-cc-626-STD
Series	Current Part Number	New Part Number																									
F-600	SFCAdddGHgAAxTO-t-cc-216-STD	SFCAdddGH3AAxTO-t-cc-226-STD																									
X-600m	SFSAdddGUgAAxTO-t-cc-216-STD	SFSAdddGU3AAxTO-t-cc-226-STD																									
	SFSAdddGUgAAxTO-t-cc-216-STC	SFSAdddGU3AAxTO-t-cc-226-STC																									
X-600s	SFSAdddGVgAAxTO-t-cc-216-STD	SFSAdddGV3AAxTO-t-cc-226-STD																									
	SFSAdddGVgAAxTO-t-cc-216-STC	SFSAdddGV3AAxTO-t-cc-226-STC																									
X-600m.2	SFSAdddGMgAAxTO-t-cc-216-STD	SFSAdddGM3AAxTO-t-cc-226-STD																									
	SFSAdddGMgAAxTO-t-cc-416-STD	SFSAdddGM3AAxTO-t-cc-426-STD																									
	SFSAdddGMgAAxTO-t-cc-516-STD	SFSAdddGM3AAxTO-t-cc-526-STD																									
	SFSAdddGMgAAxTO-t-cc-616-STD	SFSAdddGM3AAxTO-t-cc-626-STD																									
<b>Implementation date:</b> November 22, 2019 Products with new firmware can be ordered immediately. Products with old firmware remain orderable for approved customer applications unless host system and its behavior does not change (Hardware, Software, Workload, etc.) after initial qualification of the SSD product at customer side.																											
<b>Recommended action:</b> Qualify new item with improved firmware to ensure highest reliability and lifetime in host system																											

## Product Notification Form

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.**

**Products affected:**

Series	Current ERP#	Current Part Number	New ERP#	New Part Number
F-600	605290	SFCA008GH1AA1TO-I-DB-216-STD	606510	SFCA008GH3AA1TO-I-DB-226-STD
	605392	SFCA008GH1AA1TO-C-DB-216-STD	606511	SFCA008GH3AA1TO-C-DB-226-STD
	605291	SFCA016GH1AA2TO-I-DB-216-STD	606512	SFCA016GH3AA2TO-I-DB-226-STD
	605393	SFCA016GH1AA2TO-C-DB-216-STD	606513	SFCA016GH3AA2TO-C-DB-226-STD
	605293	SFCA032GH1AA2TO-I-QC-216-STD	606514	SFCA032GH3AA2TO-I-QC-226-STD
	605394	SFCA032GH1AA2TO-C-QC-216-STD	606515	SFCA032GH3AA2TO-C-QC-226-STD
	605294	SFCA064GH1AA2TO-I-NC-216-STD	606516	SFCA064GH3AA2TO-I-NC-226-STD
	605395	SFCA064GH1AA2TO-C-NC-216-STD	606517	SFCA064GH3AA2TO-C-NC-226-STD
X-600m	605617	SFSA008GU1AA1TO-I-DB-216-STD	606555	SFSA008GU3AA1TO-I-DB-226-STD
	605618	SFSA008GU1AA1TO-C-DB-216-STD	606556	SFSA008GU3AA1TO-C-DB-226-STD
	605261	SFSA016GU1AA2TO-I-DB-216-STD	606557	SFSA016GU3AA2TO-I-DB-226-STD
	606082	SFSA016GU3AA2TO-I-DB-216-STD		
	605379	SFSA016GU1AA2TO-C-DB-216-STD	606558	SFSA016GU3AA2TO-C-DB-226-STD
	605262	SFSA032GU1AA4TO-I-DB-216-STD	606559	SFSA032GU3AA4TO-I-DB-226-STD
	605890	SFSA032GU3AA4TO-I-DB-216-STD		
	605380	SFSA032GU1AA4TO-C-DB-216-STD	606560	SFSA032GU3AA4TO-C-DB-226-STD
	605263	SFSA064GU1AA4TO-I-QC-216-STD	606561	SFSA064GU3AA4TO-I-QC-226-STD
	605891	SFSA064GU3AA4TO-I-QC-216-STD		
	605381	SFSA064GU1AA4TO-C-QC-216-STD	606562	SFSA064GU3AA4TO-C-QC-226-STD
	606354	SFSA064GU3AA4TO-I-QC-216-STC	TBD	SFSA064GU3AA4TO-I-QC-226-STC
	605264	SFSA128GU1AA4TO-I-NC-216-STD	606563	SFSA128GU3AA4TO-I-NC-226-STD
605382	SFSA128GU1AA4TO-C-NC-216-STD	606564	SFSA128GU3AA4TO-C-NC-226-STD	
X-600s	605284	SFSA016GV1AA2TO-I-DB-216-STD	606591	SFSA016GV3AA2TO-I-DB-226-STD
	606088	SFSA016GV3AA2TO-I-DB-216-STD		
	605403	SFSA016GV1AA2TO-C-DB-216-STD	606592	SFSA016GV3AA2TO-C-DB-226-STD
	605285	SFSA032GV1AA4TO-I-DB-216-STD	606593	SFSA032GV3AA4TO-I-DB-226-STD

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Series	Current ERP#	Current Part Number	New ERP#	New Part Number
X-600s	605404	SFSA032GV1AA4TO-C-DB-216-STD	606594	SFSA032GV3AA4TO-C-DB-226-STD
	605286	SFSA064GV1AA4TO-I-QC-216-STD	606595	SFSA064GV3AA4TO-I-QC-226-STD
	605405	SFSA064GV1AA4TO-C-QC-216-STD	606596	SFSA064GV3AA4TO-C-QC-226-STD
	606951	SFSA064GV3AA4TO-I-QC-216-STC	TBD	SFSA064GV3AA4TO-I-QC-226-STC
	605287	SFSA128GV1AA4TO-I-NC-216-STD	606597	SFSA128GV3AA4TO-I-NC-226-STD
	605406	SFSA128GV1AA4TO-C-NC-216-STD	606598	SFSA128GV3AA4TO-C-NC-226-STD
X-600m.2 2242	605342	SFSA008GM1AA1TO-I-DB-216-STD	606565	SFSA008GM3AA1TO-I-DB-126-STD
	605420	SFSA008GM1AA1TO-C-DB-216-STD	606566	SFSA008GM3AA1TO-C-DB-126-STD
	605343	SFSA016GM1AA2TO-I-DB-216-STD	606567	SFSA016GM3AA2TO-I-DB-226-STD
	605421	SFSA016GM1AA2TO-C-DB-216-STD	606568	SFSA016GM3AA2TO-C-DB-226-STD
	605344	SFSA032GM1AA2TO-I-QC-216-STD	606569	SFSA032GM3AA2TO-I-QC-226-STD
	605422	SFSA032GM1AA2TO-C-QC-216-STD	606570	SFSA032GM3AA2TO-C-QC-226-STD
	605345	SFSA064GM1AA2TO-I-NC-216-STD	606573	SFSA064GM3AA2TO-I-NC-226-STD
	605423	SFSA064GM1AA2TO-C-NC-216-STD	606574	SFSA064GM3AA2TO-C-NC-226-STD
X-600m.2 2260	605351	SFSA016GM1AA2TO-I-DB-416-STD	606575	SFSA016GM3AA2TO-I-DB-326-STD
	605429	SFSA016GM1AA2TO-C-DB-416-STD	606576	SFSA016GM3AA2TO-C-DB-326-STD
	605352	SFSA032GM1AA4TO-I-DB-416-STD	606577	SFSA032GM3AA4TO-I-DB-426-STD
	605430	SFSA032GM1AA4TO-C-DB-416-STD	606578	SFSA032GM3AA4TO-C-DB-426-STD
	605353	SFSA064GM1AA4TO-I-QC-416-STD	606579	SFSA064GM3AA4TO-I-QC-426-STD
	605431	SFSA064GM1AA4TO-C-QC-416-STD	606580	SFSA064GM3AA4TO-C-QC-426-STD
	605354	SFSA128GM1AA4TO-I-NC-416-STD	606581	SFSA128GM3AA4TO-I-NC-426-STD
	605432	SFSA128GM1AA4TO-C-NC-416-STD	606582	SFSA128GM3AA4TO-C-NC-426-STD
X-600m.2 2280	605334	SFSA016GM1AA2TO-I-DB-516-STD	606583	SFSA016GM3AA2TO-I-DB-526-STD
	605412	SFSA016GM1AA2TO-C-DB-516-STD	606584	SFSA016GM3AA2TO-C-DB-526-STD
	605335	SFSA032GM1AA4TO-I-DB-616-STD	606585	SFSA032GM3AA4TO-I-DB-626-STD
	605413	SFSA032GM1AA4TO-C-DB-616-STD	606586	SFSA032GM3AA4TO-C-DB-626-STD
	605336	SFSA064GM1AA4TO-I-QC-616-STD	606587	SFSA064GM3AA4TO-I-QC-626-STD
	605414	SFSA064GM1AA4TO-C-QC-616-STD	606588	SFSA064GM3AA4TO-C-QC-626-STD
	605337	SFSA128GM1AA4TO-I-NC-616-STD	606589	SFSA128GM3AA4TO-I-NC-626-STD
	605415	SFSA128GM1AA4TO-C-NC-616-STD	606590	SFSA128GM3AA4TO-C-NC-626-STD