

Product Change Notification – Minor change

PCN #: PCN24-0069	Rev: 1.0	Issue Date: November 25 th , 2024									
Purpose of notification: Improved Firmware for new design ins Type of notification: Minor change, for informational notice only											
Detailed Description: This product change notification is to inform you about a firmware update of the S-600(u) products. The firmware FW3 cards have been improved as follows: The PRV (Product Revision) Field of the CID Register is changed from "21" to "22". Improved card behavior to prevent initialization failures. Optimized Thermal Throttling Functionality. Optimized SD Bus driver strengths. Init TRAN_SPEED field according to the actual bus speed after internal reset. Optimized garbage collection algorithm. Swissbit has completed its internal testing and has qualified the new firmware. The SD card characteristics will remain the same in the datasheet.											
Quality impact: No impact											
Reliability impact: Improved											
Product series affected: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 20%;">Series</th> <th style="width: 40%;">Part Number</th> <th style="width: 40%;">New Part Number</th> </tr> </thead> <tbody> <tr> <td>S-600</td> <td>SFSDddddL1AS1T0-t-xx-221-STD</td> <td>SFSDddddL1AS1T0-t-xx-231-STD</td> </tr> <tr> <td>S-600u</td> <td>SFSDddddN1AS1T0-t-xx-221-STD</td> <td>SFSDddddN1AS1T0-t-xx-231-STD</td> </tr> </tbody> </table> <p style="font-size: 0.9em; margin-top: 5px;">d = drive capacity; t = temperature grade E or I; x = configuration and options</p>			Series	Part Number	New Part Number	S-600	SFSDddddL1AS1T0-t-xx-221-STD	SFSDddddL1AS1T0-t-xx-231-STD	S-600u	SFSDddddN1AS1T0-t-xx-221-STD	SFSDddddN1AS1T0-t-xx-231-STD
Series	Part Number	New Part Number									
S-600	SFSDddddL1AS1T0-t-xx-221-STD	SFSDddddL1AS1T0-t-xx-231-STD									
S-600u	SFSDddddN1AS1T0-t-xx-221-STD	SFSDddddN1AS1T0-t-xx-231-STD									
Implementation date: 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 SD card product at customer side.											
Recommended action: Qualify new item with improved firmware to ensure highest reliability in all use-cases.											
<p>Should you have any questions or concerns with the content of this change, please contact the Swissbit PCN team at 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.</p> <p style="text-align: center; color: red; font-weight: bold; margin-top: 10px;"><i>IMPORTANT NOTE:</i></p> <p style="text-align: center; color: red; font-weight: bold; margin-top: 5px;"><i>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.</i></p> <p style="text-align: center; color: red; font-weight: bold; margin-top: 5px;"><i>The dates mentioned are subject to change based on business and operational conditions.</i></p>											

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Products affected:

Series	Part Number	New Part Number
S-600	SFSD0512L1AS1T0-E-ME-221-STD	SFSD0512L1AS1T0-E-ME-231-STD
	SFSD0512L1AS1T0-I-ME-221-STD	SFSD0512L1AS1T0-I-ME-231-STD
	SFSD1024L1AS1T0-E-DF-221-STD	SFSD1024L1AS1T0-E-DF-231-STD
	SFSD1024L1AS1T0-I-DF-221-STD	SFSD1024L1AS1T0-I-DF-231-STD
	SFSD2048L1AS1T0-E-QG-221-STD	SFSD2048L1AS1T0-E-QG-231-STD
	SFSD2048L1AS1T0-I-QG-221-STD	SFSD2048L1AS1T0-I-QG-231-STD
	SFSD4096L1AS1T0-E-ME-221-STD	SFSD4096L1AS1T0-E-ME-231-STD
	SFSD4096L1AS1T0-I-ME-221-STD	SFSD4096L1AS1T0-I-ME-231-STD
	SFSD008GL1AS1T0-E-DF-221-STD	SFSD008GL1AS1T0-E-DF-231-STD
	SFSD008GL1AS1T0-I-DF-221-STD	SFSD008GL1AS1T0-I-DF-231-STD
	SFSD016GL1AS1T0-E-QG-221-STD	SFSD016GL1AS1T0-E-QG-231-STD
	SFSD016GL1AS1T0-I-QG-221-STD	SFSD016GL1AS1T0-I-QG-231-STD
	SFSD032GL1AS1T0-E-NG-221-STD	SFSD032GL1AS1T0-E-NG-231-STD
	SFSD032GL1AS1T0-I-NG-221-STD	SFSD032GL1AS1T0-I-NG-231-STD
S-600u	SFSD0512N1AS1T0-E-ME-221-STD	SFSD0512N1AS1T0-E-ME-231-STD
	SFSD0512N1AS1T0-I-ME-221-STD	SFSD0512N1AS1T0-I-ME-231-STD
	SFSD1024N1AS1T0-E-DF-221-STD	SFSD1024N1AS1T0-E-DF-231-STD
	SFSD1024N1AS1T0-I-DF-221-STD	SFSD1024N1AS1T0-I-DF-231-STD
	SFSD2048N1AS1T0-E-QG-221-STD	SFSD2048N1AS1T0-E-QG-231-STD
	SFSD2048N1AS1T0-I-QG-221-STD	SFSD2048N1AS1T0-I-QG-231-STD