

Informational Notice

IN #: IN17-0004	Rev: 1.0	Issue Date: January 11th, 2018																
Reason for Notification: New DRAM component revision																		
<p>Detailed Description: This informational notice is to inform you about a DRAM replacement in the mSATA SATA SSD X-60m series (MLC) up to 256GB capacity, X-66m series (pSLC) up to 128GB capacity and X-600m series (SLC) up to 128GB capacity, due to limited supply and DRAM EOL announcement from Nanya.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Current DRAM</th> <th style="width: 50%;">New DRAM</th> </tr> </thead> <tbody> <tr> <td>NT5CB128M16FP-DII</td> <td>NT5CC128M16IP-DII</td> </tr> <tr> <td>Nanya 2Gb DDR3 F-die DRAM, 30nm, BGA</td> <td>Nanya 2Gb DDR3L I-die DRAM, 30nm, BGA</td> </tr> </tbody> </table> <p>No changes in form fit and function. The performance values do not change. Swissbit has completed its internal testing and has qualified the new DRAM die-revision to ensure full compliance and backward compatibility with the previous die-revision. Updated FMD data is available upon request.</p>			Current DRAM	New DRAM	NT5CB128M16FP-DII	NT5CC128M16IP-DII	Nanya 2Gb DDR3 F-die DRAM, 30nm, BGA	Nanya 2Gb DDR3L I-die DRAM, 30nm, BGA										
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<p>Quality impact: <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no</p>																		
<p>Reliability impact: <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no</p>																		
<p>Products affected:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Series</th> <th style="width: 33%;">Part Number</th> <th style="width: 33%;">New Part Number</th> </tr> </thead> <tbody> <tr> <td rowspan="3" style="text-align: center;">mSATA SSD X-60m series (MLC) 8GB to 256GB</td> <td>SFSAdddGUgAA1T0-t-cc-216-xxx</td> <td rowspan="9" style="text-align: center; vertical-align: middle;">Same, no change. Traceability via lot code on product label.</td> </tr> <tr> <td>SFSAdddGUgAA2T0-t-cc-216-xxx</td> </tr> <tr> <td>SFSAdddGUgAA4T0-t-cc-216-xxx</td> </tr> <tr> <td rowspan="3" style="text-align: center;">mSATA SSD X-66m series (pSLC) 16GB to 128GB</td> <td>SFSAdddGUgAA1T0-t-cc-22P-xxx</td> </tr> <tr> <td>SFSAdddGUgAA2T0-t-cc-22P-xxx</td> </tr> <tr> <td>SFSAdddGUgAA4T0-t-cc-22P-xxx</td> </tr> <tr> <td rowspan="3" style="text-align: center;">mSATA SSD X-600m series (SLC) 8GB to 128GB</td> <td>SFSAdddGUgAA1T0-t-cc-216-xxx</td> </tr> <tr> <td>SFSAdddGUgAA2T0-t-cc-216-xxx</td> </tr> <tr> <td>SFSAdddGUgAA4T0-t-cc-216-xxx</td> </tr> </tbody> </table> <p>d = drive capacity; g = generation; t = temperature grade C or I; c = chip configuration; x = STD or custom configuration</p>			Series	Part Number	New Part Number	mSATA SSD X-60m series (MLC) 8GB to 256GB	SFSAdddGUgAA1T0-t-cc-216-xxx	Same, no change. Traceability via lot code on product label.	SFSAdddGUgAA2T0-t-cc-216-xxx	SFSAdddGUgAA4T0-t-cc-216-xxx	mSATA SSD X-66m series (pSLC) 16GB to 128GB	SFSAdddGUgAA1T0-t-cc-22P-xxx	SFSAdddGUgAA2T0-t-cc-22P-xxx	SFSAdddGUgAA4T0-t-cc-22P-xxx	mSATA SSD X-600m series (SLC) 8GB to 128GB	SFSAdddGUgAA1T0-t-cc-216-xxx	SFSAdddGUgAA2T0-t-cc-216-xxx	SFSAdddGUgAA4T0-t-cc-216-xxx
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Implementation date: Estimated February 2018, floating transition based on stock																		
Recommended action: No action required																		
<p>IMPORTANT NOTE: <i>Swissbit – as a provider of industrial products – announces and informs about changes that will affect the form, fit, function or reliability of our products. We always test backwards compatibility and assure best quality, reliability and transparency for our customers. We apologize for any inconvenience caused.</i></p> <p><i>This Informational Notice is an optional information in accordance with JEDEC J-STD-046.</i></p>																		

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Products affected:

PN	Description	Series
605273	SFSA008GU2AA1TO-I-GS-216-STD	X-60m (MLC)
605377	SFSA008GU2AA1TO-C-GS-216-STD	X-60m (MLC)
605274	SFSA016GU2AA2TO-I-GS-216-STD	X-60m (MLC)
605378	SFSA016GU2AA2TO-C-GS-216-STD	X-60m (MLC)
605219	SFSA030GU2AA1TO-I-LB-216-STD	X-60m (MLC)
605372	SFSA030GU2AA1TO-C-LB-216-STD	X-60m (MLC)
605889	SFSA030GU3AA1TO-I-LB-216-STD	X-60m (MLC)
605830	SFSA032GU4AA1TO-C-LB-216-EXT	X-60m (MLC)
605831	SFSA032GU4AA1TO-I-LB-216-EXT	X-60m (MLC)
605220	SFSA060GU2AA2TO-I-LB-216-STD	X-60m (MLC)
605373	SFSA060GU2AA2TO-C-LB-216-STD	X-60m (MLC)
605813	SFSA060GU2AA2TO-I-LB-216-ATC	X-60m (MLC)
605832	SFSA064GU4AA2TO-C-LB-216-EXT	X-60m (MLC)
605833	SFSA064GU2AA2TO-I-LB-216-EXT	X-60m (MLC)
606158	SFSA064GU4AA2TO-I-LB-216-EXT	X-60m (MLC)
605221	SFSA120GU2AA4TO-I-LB-216-STD	X-60m (MLC)
605374	SFSA120GU2AA4TO-C-LB-216-STD	X-60m (MLC)
605949	SFSA120GU4AA4TO-I-LB-216-STD	X-60m (MLC)
605834	SFSA128GU4AA4TO-C-LB-216-EXT	X-60m (MLC)
605835	SFSA128GU2AA4TO-I-LB-216-EXT	X-60m (MLC)
605953	SFSA128GU4AA4TO-I-LB-216-EXT	X-60m (MLC)
605222	SFSA240GU2AA4TO-I-HC-216-STD	X-60m (MLC)
605375	SFSA240GU2AA4TO-C-HC-216-STD	X-60m (MLC)
605836	SFSA256GU4AA4TO-C-HC-216-EXT	X-60m (MLC)
605837	SFSA256GU4AA4TO-I-HC-216-EXT	X-60m (MLC)
606201	SFSA016GU4AA1TO-I-LB-22P-STD	X-66m (pSLC)
606202	SFSA016GU4AA1TO-C-LB-22P-STD	X-66m (pSLC)
606203	SFSA030GU4AA2TO-I-LB-22P-STD	X-66m (pSLC)
606204	SFSA030GU4AA2TO-C-LB-22P-STD	X-66m (pSLC)
606205	SFSA060GU4AA4TO-I-LB-22P-STD	X-66m (pSLC)
606206	SFSA060GU4AA4TO-C-LB-22P-STD	X-66m (pSLC)
606207	SFSA120GU4AA4TO-I-HC-22P-STD	X-66m (pSLC)
606208	SFSA120GU4AA4TO-C-HC-22P-STD	X-66m (pSLC)
605617	SFSA008GU1AA1TO-I-DB-216-STD	X-600m (SLC)
605618	SFSA008GU1AA1TO-C-DB-216-STD	X-600m (SLC)
605261	SFSA016GU1AA2TO-I-DB-216-STD	X-600m (SLC)
605379	SFSA016GU1AA2TO-C-DB-216-STD	X-600m (SLC)
606082	SFSA016GU3AA2TO-I-DB-216-STD	X-600m (SLC)
605262	SFSA032GU1AA4TO-I-DB-216-STD	X-600m (SLC)
605380	SFSA032GU1AA4TO-C-DB-216-STD	X-600m (SLC)
605890	SFSA032GU3AA4TO-I-DB-216-STD	X-600m (SLC)
605263	SFSA064GU1AA4TO-I-QC-216-STD	X-600m (SLC)
605381	SFSA064GU1AA4TO-C-QC-216-STD	X-600m (SLC)

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605891	SFSA064GU3AA4TO-I-QC-216-STD	X-600m (SLC)
606354	SFSA064GU3AA4TO-I-QC-216-STC	X-600m (SLC)
606168	SFSA064GU3AA4TO-I-QC-216-CW1	X-600m (SLC)
605264	SFSA128GU1AA4TO-I-NC-216-STD	X-600m (SLC)
605382	SFSA128GU1AA4TO-C-NC-216-STD	X-600m (SLC)
606169	SFSA128GU3AA4TO-I-NC-216-CW1	X-600m (SLC)