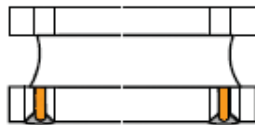
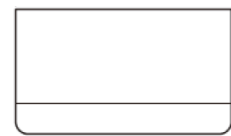
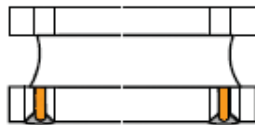
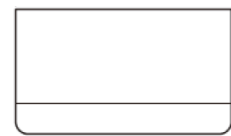
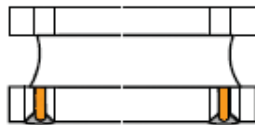
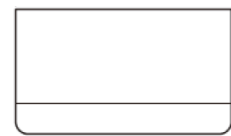


## Product Change Notification – Minor change

<b>PCN #:</b> PCN21-0051	<b>Rev:</b> 1.0	<b>Issue Date:</b> July 14, 2021																		
<b>Purpose of notification:</b> New DRAM component and inductor replacement <b>Type of notification:</b> Minor change, for informational notice only																				
<b>Detailed Description:</b> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>Detailed Description:</b>            This product change notification is to inform you about component replacements in the 2.5" SATA SSD X-60 series (MLC) up to 256GB capacity, X-600 series (SLC) up to 256GB capacity and X-66 series (pSLC) up to 128GB capacity.</p> <p><b>DRAM:</b>            The DRAM component will be replaced due to limited supply and DRAM EOL announcement from Samsung.</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>K4B2G1646F-BMK0</td> <td>NT5CC128M16JR-EKI</td> </tr> <tr> <td>Samsung 2Gb DDR3L F-die DRAM, 25nm, BGA</td> <td>Nanya 2Gb DDR3L J-die DRAM, 20nm, BGA</td> </tr> </tbody> </table> <p><b>Inductor</b>            The new inductor fulfils electrical and environmental requirements equally well as its predecessor, but has better solder terminal pads (no wires in pads → no protrusion possible). For certain product variants, this change was already communicated with IN18-0014.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 35%;">Current inductor</th> <th style="width: 35%;">New inductor</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>Picture</b></td> <td style="text-align: center;">  </td> <td style="text-align: center;">  </td> </tr> <tr> <td><b>Manufacturer, description</b></td> <td>NIC 1µH inductor, 2.5x2.0mm</td> <td>Taiyo Yuden 1µH inductor, 2.5x2.0mm</td> </tr> <tr> <td><b>Manufacturer PN</b></td> <td>NPIM21LiRoMTRF</td> <td>MAMK2520T1RoM</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 components to ensure full compliance and backward compatibility with current components.            Updated FMD data is available upon request.</p> </div>			Current DRAM	New DRAM	K4B2G1646F-BMK0	NT5CC128M16JR-EKI	Samsung 2Gb DDR3L F-die DRAM, 25nm, BGA	Nanya 2Gb DDR3L J-die DRAM, 20nm, BGA		Current inductor	New inductor	<b>Picture</b>			<b>Manufacturer, description</b>	NIC 1µH inductor, 2.5x2.0mm	Taiyo Yuden 1µH inductor, 2.5x2.0mm	<b>Manufacturer PN</b>	NPIM21LiRoMTRF	MAMK2520T1RoM
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<b>Manufacturer PN</b>	NPIM21LiRoMTRF	MAMK2520T1RoM																		
<b>Quality impact:</b> No impact																				
<b>Reliability impact:</b> No impact																				
<b>Products affected:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <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>X-60 (2.5") up to 256GB</td> <td>SFSAddGQgAAxT0-t-xx-xxx-zzz</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">           Same, no change.            Traceability via lot code on product label.         </td> </tr> <tr> <td>X-600 (2.5") up to 256GB</td> <td>SFSAddGQgAAxT0-t-xx-xxx-zzz</td> </tr> <tr> <td>X-66 (2.5") up to 128GB</td> <td>SFSAddGQgAAxT0-t-xx-xxx-zzz</td> </tr> </tbody> </table> <p>d = drive capacity; g = generation; t = temperature grade C or I; x = configuration and options; z = standard or customer specific</p>			Series	Part Number	New Part Number	X-60 (2.5") up to 256GB	SFSAddGQgAAxT0-t-xx-xxx-zzz	Same, no change. Traceability via lot code on product label.	X-600 (2.5") up to 256GB	SFSAddGQgAAxT0-t-xx-xxx-zzz	X-66 (2.5") up to 128GB	SFSAddGQgAAxT0-t-xx-xxx-zzz								
Series	Part Number	New Part Number																		
X-60 (2.5") up to 256GB	SFSAddGQgAAxT0-t-xx-xxx-zzz	Same, no change. Traceability via lot code on product label.																		
X-600 (2.5") up to 256GB	SFSAddGQgAAxT0-t-xx-xxx-zzz																			
X-66 (2.5") up to 128GB	SFSAddGQgAAxT0-t-xx-xxx-zzz																			
<b>Implementation date:</b> Estimated October 2021, floating transition based on stock																				
<b>Recommended action:</b> No action required																				

## Product Change Notification – Minor change

**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.*

*This Minor Change PCN serves as an informational notice and is an optional information in accordance with JEDEC J-STD-046.*

**Products affected:**

Series	Part Number	New Part Number
X-60	SFSA030GQ1AA1T0-I-LB-216-XXX	No change, traceability over lot code
	SFSA030GQ1AA1T0-C-LB-216-XXX	
	SFSA030GQ1AA1T0-I-LB-226-XXX	
	SFSA030GQ1AA1T0-C-LB-226-XXX	
	SFSA060GQ1AA2T0-I-LB-216-XXX	
	SFSA060GQ1AA2T0-C-LB-216-XXX	
	SFSA064GQ1AA2T0-I-LB-216-XXX	
	SFSA060GQ1AA2T0-I-LB-226-XXX	
	SFSA060GQ1AA2T0-C-LB-226-XXX	
	SFSA064GQ1AA2T0-I-LB-226-XXX	
	SFSA120GQ1AA4T0-I-LB-216-XXX	
	SFSA120GQ1AA4T0-C-LB-216-XXX	
	SFSA128GQ1AA4T0-C-LB-216-XXX	
	SFSA120GQ1AA4T0-I-LB-226-XXX	
	SFSA120GQ1AA4T0-C-LB-226-XXX	
	SFSA128GQ1AA4T0-C-LB-226-XXX	
	SFSA240GQ1AA4T0-I-HC-216-XXX	
	SFSA240GQ1AA4T0-C-HC-216-XXX	
	SFSA240GQ1AA4T0-I-HC-226-XXX	
	SFSA240GQ1AA4T0-C-HC-226-XXX	
	SFSA256GQ1AA4T0-C-HC-216-XXX	
X-66	SFSA016GQ1AA1T0-I-LB-22P-XXX	No change, traceability over lot code
	SFSA016GQ1AA1T0-C-LB-22P-XXX	
	SFSA030GQ1AA2T0-I-LB-22P-XXX	
	SFSA030GQ1AA2T0-C-LB-22P-XXX	
	SFSA060GQ1AA4T0-I-LB-22P-XXX	
	SFSA060GQ1AA4T0-C-LB-22P-XXX	

## Product Change Notification – Minor change

	SFSA120GQ1AA4T0-I-HC-22P-XXX	
	SFSA120GQ1AA4T0-C-HC-22P-XXX	
	SFSA120GQ1AA4T0-I-HC-23P-XXX	
X-600	SFSA008GQ1AA1T0-I-DB-216-XXX	No change, traceability over lot code
	SFSA008GQ1AA1T0-C-DB-216-XXX	
	SFSA008GQ1AA1T0-I-DB-226-XXX	
	SFSA008GQ1AA1T0-C-DB-226-XXX	
	SFSA016GQ1AA2T0-I-DB-216-XXX	
	SFSA016GQ1AA2T0-I-DB-226-XXX	
	SFSA016GQ1AA2T0-C-DB-226-XXX	
	SFSA032GQ1AA4T0-I-DB-216-XXX	
	SFSA032GQ1AA4T0-C-DB-216-XXX	
	SFSA032GQ1AA4T0-I-DB-226-XXX	
	SFSA032GQ1AA4T0-C-DB-226-XXX	
	SFSA064GQ1AA4T0-I-QC-216-XXX	
	SFSA064GQ1AA4T0-I-QC-226-XXX	
	SFSA064GQ1AA4T0-C-QC-226-XXX	
	SFSA128GQ1AA4T0-I-NC-216-XXX	
	SFSA128GQ1AA4T0-I-NC-226-XXX	
	SFSA128GQ1AA4T0-C-NC-226-XXX	
	SFSA256GQ1AA8T0-I-NC-216-XXX	
	SFSA256GQ1AA8T0-I-NC-226-XXX	
	SFSA256GQ1AA8T0-C-NC-226-XXX	