

# Product/Process Change Notification Form

<b>PCN #:</b> PCN_20160118_BD_Samsung_DDR3_1Gbit_revG_EOL.docx		<b>Rev:</b> 1.0	<b>Issue Date:</b> Jan 18, 2016
<b>Type of Change:</b> EOL of existing DDR3 1GB and 2GB SO-DIMM, DIMM and RDIMM using Samsung 1Gbit rev. G DRAM. <input type="checkbox"/> minor / <input checked="" type="checkbox"/> major			
<b>Detailed Description of Change:</b> This notification is to inform Swissbit customers about replacement of existing DDR3 1GB and 2GB SO-DIMM, DIMM and RDIMM using Samsung 1Gbit rev. G DRAM: <ul style="list-style-type: none"> <li>• Current DDR3 1GB 1rank SO-DIMM, DIMM and RDIMM using 8 or 9 Samsung DRAM 128Mx8 rev. G are being replaced by DDR3L 1GB 1rank SO-DIMM, DIMM and RDIMM using 8 or 9 Samsung DRAM 128Mx8 rev. I or DDR3L 1GB SO-DIMMs with 128Mx16 Rev. F.</li> <li>• Current DDR3 2GB 2ranks SO-DIMM, DIMM and RDIMM using 16 or 18 Samsung DRAM 128Mx8 rev. G are being replaced by DDR3L 2GB 1ranks SO-DIMM, DIMM and RDIMM using 8 or 9 Samsung DRAM 256Mx8 rev. F.</li> </ul>			
<b>Quality impact:</b> <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no			
<b>Reliability impact:</b> <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no			
<b>Reason for Change:</b> Process Technology used for Samsung's 1Gbit DDR3 SDRAM is shrinking from 35nm rev. G to 25nm rev. I.			
<b>Products affected:</b>			
Current Part Number	Description	New Part Number	
SGN01G64D2BG1SA-BBRT (603528)	DDR3 1GB PC3-8500 SO-DIMM	SLN01G64D2B11SA-DCRT SLN01G64C1CF1SA-DCRT	
SGN01G64D2BG1SA-BBERT (603670)	DDR3 1GB PC3-8500 SODIMM IT	no replacement planed / Contact your sales representative	
SGN01G64D2BG1SA-CCRT (603529)	DDR3 1GB PC3-10600 SO-DIMM	SLN01G64C1CF1SA-DCRT	
SGN01G64D2BG1SA-CCWRT (603758)	DDR3 1GB PC3-10600 SODIMM IT	SLN01G64C1CF1SA-DCWRT	
SGN01G64D2BG1SA-DCERT (604014)	DDR3 1GB PC3-12800 SO-DIMM IT	SLN01G64C1CF1SA-DCERT	
SGN01G64D5BG1SA-DCERT (604232)	DDR3 1GB PC3-12800 SODIMM	no replacement planed / Contact your sales representative	
SGN02G64E1BG2SA-BBRT (603530)	DDR3 2GB PC3-8500 SO-DIMM	SLN02G64D2BF1SA-DCRT	
SGN02G64E1BG2SA-CCRT (603531)	DDR3 2GB PC3-10600 SO-DIMM	SLN02G64D2BF1SA-DCRT	
SGN02G64E1BG2SA-CCWRT (605184)	DDR3 2GB PC3-10600 SO-DIMM IT	SLN02G64D2BF1SA-DCWRT	
SGN01G72F1BG1SA-BBRT (603534)	DDR3 1GB PC3-8500 SO-DIMM ECC	SLN01G72F1B11SA-DCRT	
SGN01G72F1BG1SA-CCRT (603535)	DDR3 1GB PC3-10600 SO-DIMM ECC	SLN01G72F1B11SA-DCRT	
SGN01G72F1BG1SA-CCRT-KC (604176)	DDR3 1GB PC3-10600 SO-DIMM ECC	no replacement planed / Contact your sales representative	
SGN01G72F1BG1SA-CCIRT-A (605126)	DDR3 1GB PC3-10600 SO-DIMM ECC IT	SLN01G72F1B11SA-CCIRT-A	
SGN02G72G1BG2SA-BBRT (603537)	DDR3 2GB PC3-8500 SO-DIMM ECC	SLN02G72F1BF1SA-DCRT	
SGN02G72G1BG2SA-BBWRT (604167)	DDR3 2GB PC3-8500 SO-DIMM ECC IT	SLN02G72F1BF1SA-DCWRT	
SGN02G72G1BG2SA-CCRT (603538)	DDR3 2GB PC3-10600 SO-DIMM ECC	SLN02G72F1BF1SA-DCRT	

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SGN02G72G1BG2SA-CCWRT (603821)	DDR3 2GB PC3-10600 SO-DIMM ECC IT	SLN02G72F1BF1SA-DCWRT
SGU01G64A1BG1SA-BBR (603515)	DDR3 1GB PC3-8500 UDIMM	SLU01G64A1BI1SA-DCR
SGU01G64A1BG1SA-CCR (603516)	DDR3 1GB PC3-10600 UDIMM	SLU01G64A1BI1SA-DCR
SGU01G64A1BG1SA-CCWR (604120)	DDR3 1GB PC3-10600 UDIMM IT	no replacement planed / Contact your sales representative
SGU01G64A1BG1SA-DCR (604419)	DDR3 1GB PC3-12800 UDIMM	SLU01G64A1BI1SA-DCR
SGU01G64A5BG1SA-CCR (603772)	DDR3 1GB PC3-10600 UDIMM	no replacement planed / Contact your sales representative
SGU01G64A5BG1SA-DCR (604224)	DDR3 1GB PC3-12800 UDIMM	no replacement planed / Contact your sales representative
SGU02G64B1BG2SA-BBR (603519)	DDR3 2GB PC3-8500 UDIMM	SLU02G64A1BF1SA-DCR
SGU02G64B1BG2SA-BBIR (603880)	DDR3 2GB PC3-8500 UDIMM IT	no replacement planed / Contact your sales representative
SGU02G64B1BG2SA-CCR (603520)	DDR3 2GB PC3-10600 UDIMM	SLU02G64A1BF1SA-DCR
SGU02G64B1BG2SA-CCIR (603877)	DDR3 2GB PC3-10600 UDIMM IT	no replacement planed / Contact your sales representative
SGU02G64B1BG2SA-CCWR (603878)	DDR3 2GB PC3-10600 UDIMM IT	no replacement planed / Contact your sales representative
SGU02G64B5BG2SA-CCR (603561)	DDR3 2GB PC3-10600 UDIMM	no replacement planed / Contact your sales representative
SGU02G64B5BG2SA-BBR (603562)	DDR3 2GB PC3-8500 UDIMM	no replacement planed / Contact your sales representative
SGU01G72F5BG1SA-DCRT (604229)	DDR3 1GB PC3-12800 UDIMM ECC	no replacement planed / Contact your sales representative
SGU02G72H1BG2SA-BBRT (603523)	DDR3 2GB PC3-8500 UDIMM ULP ECC	no replacement planed / Contact your sales representative
SGU02G72H1BG2SA-CCRT (603524)	DDR3 2GB PC3-10600 UDIMM ULP ECC	no replacement planed / Contact your sales representative
SGP02G72D1BG2SA-BBRT (603526)	DDR3 2GB PC3-8500 RDIMM ULP	no replacement planed / Contact your sales representative
SGP02G72D1BG2SA-BBRT-KC (604179)	DDR3 2GB PC3-8500 RDIMM ULP	no replacement planed / Contact your sales representative
SGP02G72D1BG2SA-CCRT (603527)	DDR3 2GB PC3-10600 RDIMM ULP	no replacement planed / Contact your sales representative
SGP02G72D1BG2SA-CCWRT (604096)	DDR3 2GB PC3-10600 RDIMM ULP	no replacement planed / Contact your sales representative
SGV01G72A1BG1SA-CCRT (604148)	DDR3 1GB PC3-10600 XR-DIMM	no replacement planed / Contact your sales representative
SGV01G72A1BG1SA-CCWRT (604149)	DDR3 1GB PC3-10600 XR-DIMM IT	no replacement planed / Contact your sales representative
<b>Implementation date:</b>		
January 2016		

## Product/Process Change Notification Form

Forecasted Milestones:		
Milestone	Date	
Provide PCN to customer	Jan. , 2016	
Availability of new qualification samples to customer	Feb. / Mar. 2016	
Last time buy	May 15th, 2016	
Last time shipment	December 16th, 2016	

**Recommended Action:** Order samples and qualify above mentioned replacement memory modules.  
Contact your sales representative for information on alternative module solutions or extended availability.

Should you have any issues with the timeline or content of this change, please contact the Representative listed below within 30 days. No response will be deemed as customer's acceptance of the change and the change will be implemented pursuant to the key milestones set forth in this PCN.

Contacts	Name	Email
Product Management Memory Modules	Adrian Boos	adrian.boos@swissbit.com
FAE Memory Modules	Martin Osterwalder	martin.osterwalder@swissbit.com

**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.*