

Product/Process Change Notification Form

PCN #: PCN_Samsung_DDR2_1Gbit_revF_20140206_UB		Rev: 1.0	Issue Date: February 12, 2014																																										
Type of Change: EOL of existing DDR2 512MB, 1GB and 2GB S0-DIMM, DIMM and RDIMM using Samsung 1Gbit rev. F DRAM. <input type="checkbox"/> minor / <input checked="" type="checkbox"/> major																																													
Detailed Description of Change: This notification is to inform Swissbit customers about replacement of existing DDR2 512MB, 1GB and 2GB S0-DIMM, DIMM and RDIMM using Samsung 1Gbit rev. F DRAM: <ul style="list-style-type: none"> Existing DDR2 512MB 1rank S0-DIMM and DIMM using 4 Samsung DRAM 64Mx16 rev. F are being replaced by DDR2 512MB 1rank S0-DIMM and DIMM Samsung DRAM 64Mx16 rev. G. Existing DDR2 1GB 1rank S0-DIMM, DIMM and RDIMM using 8 or 9 Samsung DRAM 128Mx8 rev. F are being replaced by DDR2 1GB 1rank S0-DIMM, DIMM and RDIMM using 8 or 9 Samsung DRAM 128Mx8 rev. G. Existing DDR2 2GB 2ranks S0-DIMM, DIMM and RDIMM using 16 or 18 Samsung DRAM 128Mx8 rev. F are being replaced by DDR2 2GB 2ranks S0-DIMM, DIMM and RDIMM using 16 or 18 Samsung DRAM 128Mx8 rev. G. 																																													
Quality impact: <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no																																													
Reliability impact: <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no																																													
Reason for Change: Process Technology used for Samsung's 1Gbit DDR2 SDRAM is shrinking from 46nm rev. F to 35nm rev. G.																																													
Products affected: <table border="1"> <thead> <tr> <th>Current Part Number</th> <th>Description</th> <th>New Part Number</th> </tr> </thead> <tbody> <tr> <td>(603324)SEN06464H2CF1SA-30R</td> <td>DDR2 512MB PC2-5300 S0-DIMM</td> <td>(T.B.D)SEN06464H2CG1SA-30R</td> </tr> <tr> <td>(603364)SEN06464H2CF1SA-25R</td> <td>DDR2 512MB PC2-6400 S0-DIMM</td> <td>(604801)SEN06464H2CG1SA-25R</td> </tr> <tr> <td>(603374)SEN06464H2CF1SA-30ER</td> <td>DDR2 512MB PC2-6400 S0-DIMM IT</td> <td>(T.B.D)SEN06464H2CG1SA-30ER</td> </tr> <tr> <td>(603375)SEN06464H2CF1SA-30WR</td> <td>DDR2 512MB PC2-5300 S0-DIMM IT</td> <td>(T.B.D)SEN06464H2CG1SA-30WR</td> </tr> <tr> <td>(604373)SEN06464H2CF1SA-25WR</td> <td>DDR2 512MB PC2-6400 S0-DIMM IT</td> <td>(T.B.D)SEN06464H2CG1SA-25WR</td> </tr> <tr> <td>(603325)SEU06464H1CF1SA-25R</td> <td>DDR2 512MB PC2-6400 UDIMM</td> <td>(T.B.D)SEU06464H1CG1SA-25R</td> </tr> <tr> <td>(603124)SEN01G64D1BF1SA-25R</td> <td>DDR2 1GB PC2-6400 S0-DIMM</td> <td>(T.B.D)SEN01G64D1BG1SA-25R</td> </tr> <tr> <td>(603130)SEN01G64D1BF1SA-30R</td> <td>DDR2 1GB PC2-5300 S0-DIMM</td> <td>(T.B.D)SEN01G64D1BG1SA-30R</td> </tr> <tr> <td>(603310)SEN01G64D1BF1SA-30ER</td> <td>DDR2 1GB PC2-5300 S0-DIMM IT</td> <td>(T.B.D)SEN01G64D1BG1SA-30ER</td> </tr> <tr> <td>(603315)SEN01G64A1BF1SA-30R</td> <td>DDR2 1GB PC2-5300 S0-DIMM</td> <td>(T.B.D)SEN01G64A1BG1SA-30R</td> </tr> <tr> <td>(603326)SEN01G64D1BF1SA-30WR</td> <td>DDR2 1GB PC2-5300 S0-DIMM IT</td> <td>(T.B.D)SEN01G64D1BG1SA-30WR</td> </tr> <tr> <td>(603301)SEP01G72J2BF1SA-37R</td> <td>DDR2 1GB PC2-4200 PDIMM</td> <td>(T.B.D)SEP01G72J2BG1SA-37R</td> </tr> <tr> <td>(604174)SEP01G72J2BF1SA-37R-KC</td> <td>DDR2 1GB PC2-4200 PDIMM</td> <td>(T.B.D)SEP01G72J2BG1SA-37R-KC</td> </tr> </tbody> </table>				Current Part Number	Description	New Part Number	(603324)SEN06464H2CF1SA-30R	DDR2 512MB PC2-5300 S0-DIMM	(T.B.D)SEN06464H2C G 1SA-30R	(603364)SEN06464H2CF1SA-25R	DDR2 512MB PC2-6400 S0-DIMM	(604801)SEN06464H2C G 1SA-25R	(603374)SEN06464H2CF1SA-30ER	DDR2 512MB PC2-6400 S0-DIMM IT	(T.B.D)SEN06464H2C G 1SA-30ER	(603375)SEN06464H2CF1SA-30WR	DDR2 512MB PC2-5300 S0-DIMM IT	(T.B.D)SEN06464H2C G 1SA-30WR	(604373)SEN06464H2CF1SA-25WR	DDR2 512MB PC2-6400 S0-DIMM IT	(T.B.D)SEN06464H2C G 1SA-25WR	(603325)SEU06464H1CF1SA-25R	DDR2 512MB PC2-6400 UDIMM	(T.B.D)SEU06464H1C G 1SA-25R	(603124)SEN01G64D1BF1SA-25R	DDR2 1GB PC2-6400 S0-DIMM	(T.B.D)SEN01G64D1B G 1SA-25R	(603130)SEN01G64D1BF1SA-30R	DDR2 1GB PC2-5300 S0-DIMM	(T.B.D)SEN01G64D1B G 1SA-30R	(603310)SEN01G64D1BF1SA-30ER	DDR2 1GB PC2-5300 S0-DIMM IT	(T.B.D)SEN01G64D1B G 1SA-30ER	(603315)SEN01G64A1BF1SA-30R	DDR2 1GB PC2-5300 S0-DIMM	(T.B.D)SEN01G64A1B G 1SA-30R	(603326)SEN01G64D1BF1SA-30WR	DDR2 1GB PC2-5300 S0-DIMM IT	(T.B.D)SEN01G64D1B G 1SA-30WR	(603301)SEP01G72J2BF1SA-37R	DDR2 1GB PC2-4200 PDIMM	(T.B.D)SEP01G72J2B G 1SA-37R	(604174)SEP01G72J2BF1SA-37R-KC	DDR2 1GB PC2-4200 PDIMM	(T.B.D)SEP01G72J2B G 1SA-37R-KC
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(603126)SEU01G64A3BF1SA-25R	DDR2 1GB PC2-6400 UDIMM	(T.B.D)SEU01G64A3B61SA-25R
(603132)SEU01G64A3BF1SA-30R	DDR2 1GB PC2-5300 UDIMM	(T.B.D)SEU01G64A3B61SA-30R
(604055)SEU01G64A3BF1SA-25WR	DDR2 1GB PC2-6400 UDIMM IT	(T.B.D)SEU01G64A3B61SA-25WR
(603337)MEU01G64D5BF1SA-25R	DDR2 1GB PC2-6400 UDIMM (SBR)	not replaced
(603125)SEN02G64C4BF2SA-25R	DDR2 2GB PC2-6400 SO-DIMM	(T.B.D)SEN02G64C4B62SA-25R
(603131)SEN02G64C4BF2SA-30R	DDR2 2GB PC2-5300 SO-DIMM	(T.B.D)SEN02G64C4B62SA-30R
(603309)SEN02G64C4BF2SA-30ER	DDR2 2GB PC2-5300 SO-DIMM IT	(T.B.D)SEN02G64C4B62SA-30ER
(603327)SEN02G64C4BF2SA-30WR	DDR2 2GB PC2-5300 SO-DIMM IT	(T.B.D)SEN02G64C4B62SA-30WR
(604401)SEN02G64C4BF2SA-25WR	DDR2 2GB PC2-6400 SO-DIMM IT	(T.B.D)SEN02G64C4B62SA-25WR
(603302)SEP02G72E2BF2SA-37R	DDR2 2GB PC2-4200 PDIMM	(T.B.D)SEP02G72E2B62SA-37R
(603412)SEP02G72E2BF2SA-30R	DDR2 2GB PC2-5300 PDIMM	(T.B.D)SEP02G72E2B62SA-30R
(603413)SEP02G72E2BF2SA-30R-R	DDR2 2GB PC2-5300 PDIMM	(T.B.D)SEP02G72E2B62SA-30R-R
(604175)SEP02G72E2BF2SA-37R-KC	DDR2 2GB PC2-4200 PDIMM	(T.B.D)SEP02G72E2B62SA-37R-KC
(603127)SEU02G64B3BF2SA-25R	DDR2 2GB PC2-6400 UDIMM	(T.B.D)SEU02G64B3B62SA-25R
(603133)SEU02G64B3BF2SA-30R	DDR2 2GB PC2-5300 UDIMM	(T.B.D)SEU02G64B3B62SA-30R
(603892)SEU02G64B3BF2SA-25WR	DDR2 2GB PC2-6400 UDIMM IT	(T.B.D)SEU02G64B3B62SA-25WR
(604291)SEU02G64B4BF2SA-25R	DDR2 2GB PC2-6400 UDIMM	(T.B.D)SEU02G64B4B62SA-25R
(603384)MEN02G64D2BF2SA-25R	DDR2 2GB PC2-6400 SO-DIMM (SBR)	not replaced
(603338)MEU02G64D6BF2SA-25R	DDR2 2GB PC2-6400 UDIMM (SBR)	not replaced
(603968)MEU02G64D6BF2SA-30R	DDR2 2GB PC2-5300 UDIMM (SBR)	not replaced

Implementation date:

February 2014

Forecasted Milestones:

Milestone	Date
Provide PCN to customer	Feb. 12, 2014
Availability of new qualification samples to customer	March / April, 2014
Last time buy	March 15th, 2014

Recommended Action:

Due to early discontinuation of the Samsung 1Gb Rev F it is mandatory to place LTB orders for Rev F modules as soon as possible to guarantee continuous supply until replacement Rev G modules are qualified in your process and available in volume.

Reference Documents / Attachments: -

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	Ulrich Brandt	ulrich.brandt@swissbit.com
FAE Memory Modules	Martin Osterwalder	martin.osterwalder@swissbit.com