



Product Change Notice

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QMS Approval n° 9910354

Product Change Notice #: 018

Date: 5th May 2014

Title of Change: 1Gb DDR2 SDRAM Basic Device Replacement

Type Of Change

- | | |
|---|---|
| <input type="checkbox"/> Manufacturing Site Change | <input type="checkbox"/> Shipping / Packaging Material Change |
| <input type="checkbox"/> Manufacturing Process Change | <input type="checkbox"/> Packing / Label / Marking Change |
| <input checked="" type="checkbox"/> Product Revision | <input checked="" type="checkbox"/> Product End Of Life (EOL) |
| <input type="checkbox"/> Material Change | <input type="checkbox"/> Data Sheet Change |

Description of Change

3D Plus replaces the 1Gb DDR2 SDRAM basic devices embedded in its DDR2 SDRAM Memory Modules.

As a consequence, 3D Plus introduces New Space Qualified DDR2 SDRAM Modules with the same configuration and form factor than the existing products – See affected product table below.

Reason for Change

- Products performance improvement through the successful characterization and space qualification of a new 1Gb DDR2 SDRAM core device:

- High Density: 1Gb to 8Gb,
- Improved Radiation performance:
TID >100 Krad(Si),
SEL >60 Mev.cm2/mg
- Worldwide Delivery Guarantee.

- 3D Plus Space Qualified new DDR2 Memory Modules are Function – Package - Footprint compatible with the existing modules and do not require design modification at user side.

- The new DDR2 Memory Modules are fully compliant to the 3D Plus Capability Domain qualified by European Space Agency (ESA) for Space Application and benefit from all the 3D Plus Qualification Data.

The detailed qualification report and the Radiation test (TID, SEE) reports are available on request.

Contact Information

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Product Affected (512Mx8b Basic Device)

Module Description	EOL Part Number	Replacement & New Introduction
256Mx8bits DDR2	3D2D2G08US2284	3D2D2G08US2662
512Mx8bits DDR2	3D2D4G08US4283	3D2D4G08US4661
64Mx72bits DDR2	3D2D4G72UB3478	3D2D4G72UB3652
1Gx8bits DDR2	3D2D8G08US8644	3D2D8G08US8663

3D PLUS Sites Affected

3D PLUS Buc High Rel. 3D PLUS Buc Indus.

Coming into force

PCN Coming into force: Immediate effect