



Product Change Notice

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QMS Approval n° 9910354

Product Change Notice #: 010

Date: 15th February 2012

Title of Change: FLASH NAND 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 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 4Gb FLASH NAND basic device embedded in its Space Qualified FLASH NAND Memory Modules.

As a consequence, 3D Plus introduces New Space Qualified FLASH NAND Modules with the same configuration and form factor than the existing products and that replaces it – See cross reference table below.

However, This Product Change will not affect 3D Plus FLASH NAND Memory Modules based on 8Gb FLASH NAND basic devices.

Reason for Change

- Products performance improvement through the successful characterization and space qualification of a new 4 Gb FLASH NAND core device:

- High Density: 4 to 32Gb,
- Improved Radiation performance:
 - TID: >50 Krad(Si),
 - SEL: >60 MeV.cm²/mg
 - SEU: 5 MeV-cm²/mg, X-section : 1 E-11cm²/bit
- Worldwide Delivery Guarantee.

- 3D Plus Space Qualified new FLASH NAND Memory Modules are Function – Package - Footprint compatible with our existing modules and do not require modification of our customers applications.

- The new FLASH NAND 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, SEL, SEE) reports are available on request.

Contact Information

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Product Affected

FLASH NAND Module Description	Old Revision - EOL	New FLASH NAND Product - Replacement
4G, 8bits FLASH NAND	3DFN4G08VS1274	3DFN4G08VS1470
4G, 8bits FLASH NAND	3DFN4G08VS1258	3DFN4G08VS1470
8G, 8bits FLASH NAND	3DFN8G08VS2275	3DFN8G08VS2469
16G, 8bits FLASH NAND	3DFN16G08VS4276	3DFN16G08VS4468
16G, 8bits FLASH NAND	3DFN16G08VS4208	3DFN16G08VS4468
32G, 8bits FLASH NAND	3DFN32G08VS8259	3DFN32G08VS8467
32G, 8bits FLASH NAND	3DFN32G08VS8289	3DFN32G08VS8467

3D PLUS Sites Affected

3D PLUS Buc High Rel.

3D PLUS Buc Indus.

Coming into force

PCN Coming into force: Immediate effect