



Product Change Notice

3D PLUS
408, rue Hélène Boucher
78532 Buc Cx, France
Tel: (33) 01 30 38 26 50
e-mail: sales@3d-plus.com
Web site: www.3d-plus.com



QMS Approval n° 9910354

Product Change Notice #: 015

Date: 22nd December 2013

Title of Change: 4Gb Nand Flash 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 512Mx8b Nand Flash basic devices embedded in its Space Qualified Nand Flash Memory Modules.

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

However, This Product Change will not affect 3D Plus Nand Flash Memory Modules based on 1Gx8b Nand Flash basic devices – See not affected product table below.

Reason for Change

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

- High Density: 4Gb to 32Gb,
- Improved Radiation performance:
 - TID: >60 Krad(Si),
 - SEL: >60 Mev.cm2/mg
 - SEU LET Threshold: 1.1 MeV-cm2/mg, Saturate X-section : 1.5E-10cm2/bit
- Worldwide Delivery Guarantee.

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

- The new Nand Flash 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

Pierre-Xiao Wang
3D PLUS
408, rue Hélène Boucher
78532 Bus Cedex – France
Tel: +33 1 30 83 07 51
pwang@3d-plus.com

Product Affected (512Mx8b Basic Device)

Module Description	EOL Part Number	Replacement & New Introduction
512Mx8bits Nand Flash	3DFN4G08VS1470	3DFN4G08VS1636
1Gx8bits Nand Flash	3DFN8G08VS2469	3DFN8G08VS2635
2Gx8bits Nand Flash	3DFN16G08VS4468	3DFN16G08VS4643
4Gx8bits Nand Flash	3DFN32G08VS8467	3DFN32G08VS8633

Product Not Affected (1Gx8b Basic Device)

Module Description	Part Number
1Gx8bits Nand Flash	3DFN8G08VS1307
2Gx8bits Nand Flash	3DFN16G08VS2306
4Gx8bits Nand Flash	3DFN32G08VS4304
8Gx8bits Nand Flash	3DFN64G08VS8305

3D PLUS Sites Affected

<input checked="" type="checkbox"/> 3D PLUS Buc High Rel.	<input type="checkbox"/> 3D PLUS Buc Indus.
---	---

Coming into force

PCN Coming into force: Immediate effect
