



Product Change Notice

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QMS Approval n° 9910354

Product Change Notice #: 005.2

Date: 2nd Apr 2014

Title of Change: 5V SRAMs Module Replacement Update

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 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

Following the successful qualification of the 5V fast SRAM basic device in 2011. 3D Plus continues to introduce the New Space Qualified 5V SRAM Modules with this basic device to replace the existing modules – See cross reference table below (Including Modules EOL at 2011).

Reason for Change

- Products performance improvement through the successful characterization and space qualification of the new 4Mb 5V SRAM core device in 2011:

- High Speed: 12 ns in the -55 °C / +125 °C Temperature Range,
- Single 5V Power Supply – Low Power,
- Improved Radiation performance:
 - TID: 100 Krad(Si),
 - SEL: 110 Mev.cm2/mg
 - SEE: 2.17 E-7 error/bit/day (Adams 90 Geosynchronous Orbit without EDAC)
- Space Qualified & Flight Proven,
- Worldwide Delivery Guarantee.

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

- The new SRAM 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

Marketing Contact

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Product Affected

SRAM Module Description	Old Product – EOL	New SRAM Product - Replacement
8M, 16bits SRAM	3DSR8M16CS2183	3DSR8M16CS2510
16M, 32bits SRAM	3DSR16M32CS4084	3DSR16M32CS4511
16M, 16bits SRAM	3DSR16M16CS4114	3DSR16M16CS4512
16M, 16bits SRAM	3DSR16M16CS4295	3DSR16M16CS4512
4M, 8bits SRAM	3DSR4M08CS1271	3DSR4M08CS1647
4M, 8bits SRAM	3DSR4M08CS1147	3DSR4M08CS1647
8M, 16bits SRAM	3DSR8M16CS2098	3DSR8M16CS2510
16M, 32bits SRAM	3DSR16M32CS4261	3DSR16M32CS2648
16M, 8bits SRAM	3DSR16M08CS4218	3DSR16M08CS4660
32M, 8bits SRAM	3DSR32M08CS8139	3DSR16M08CS4660

3D PLUS Sites Affected

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

Coming into force

PCN Coming into force: Immediate effect