

NEW PRODUCT - 256 Mbit QSPI TMR NOR FLASH

3DFS256M04VS2801

3D PLUS launches a 256 Mbit QSPI NOR FLASH embedding an ASIC, a power management block and triplicated NOR Flash memories. This high density module is the most reliable and intelligent configuration memory available in the market. Thanks to its advanced design architecture it is the perfect innovative solution for the large FPGA configuration, boot code storage, various applications requiring robustness.

EM availability: April 2021 ; FM availability: September 2021

Key features:

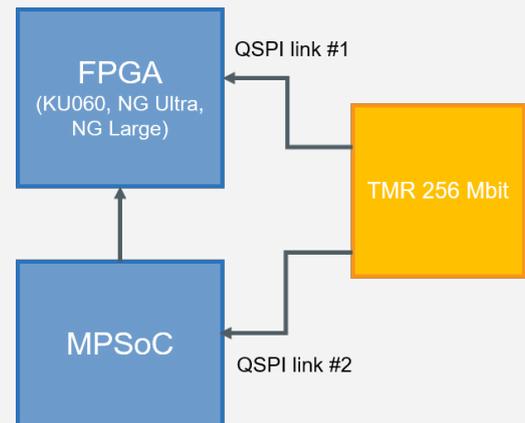
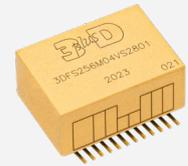
- 256 Mbit capacity
- Integrated Triple Modular Redundancy
- Two QSPI user buses
- 3.3 V power supply
- ECC Flag
- Temperature range: -55°C to +105°C
- SOP 24

Key benefits:

- Highly reliable solution for space applications
- Small pin count
- Small size compact package

Radiation data:

- TID > 40 krad(Si)
- SEL and SEU Immune



[For more info: 3DDS-0801](#)

VIRTUAL EVENT



INTERNATIONAL CONFERENCE ON SPACE OPTICS (ICSO)

30 MARCH - 2 APRIL 2021

Zoom presentation: High performance and High Resolution CMOS Camera for Space Applications (Julien BEZINE)

CHANG'E 5 LUNAR MISSION

3D PLUS technology, a key factor to the success of the Chang'e 5 lunar samples return mission.

3D PLUS celebrates its role within the Chang'e 5 lunar samples return mission, which was launched on November 24th 2020 from the Wenchang space launch center in China. 3D PLUS has provided a large number of critical components, including radiation tolerant SRAM, EEPROM, NAND Flash and NOR Flash memories to integrate the Chinese probe.

3D PLUS memories offer a high level of miniaturization thanks to our unique stacking technology, while providing very high reliability for space electronic designs.

With the space probe's ascender on top, its lander made a soft landing on the moon on December 1st and collected moon samples thanks to a drilling process operated with a robotic arm. The samples have been successfully transferred from the ascender to the return capsule for a journey back to Earth expected for mid-December.



Credit: CNSA



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