



Patriot Memory Technical Notification

(Jun-14-2023)

Patriot customers,

We want to notify you of an upcoming technical change regarding DDR3 SDRAM 1.35V to 1.5V compatibility.

Currently, Patriot offers DDR3 SDRAM series at two different operating voltage levels:

- 1.5V standard voltage for DDR3 series
- 1.35V low voltage for DDR3L series

Effective immediately, Patriot **DDR3L** data sheets will include a new modified specification, which can be found under Features on the first page:

- VDD = VDDQ = 1.35V (1.283–1.45V)
- Backward compatible to VDD = VDDQ = 1.5V \pm 0.075V

The Patriot 1.35V DDR3L series uses the same die as 1.5V DDR3 series, but have been separated during the test screen and marking processes. The Patriot 1.35V test screen process incorporates testing to ensure backward compatibility to 1.5V operation.

Going forward, all **DDR3L** parts are backward compatible with DDR3 parts and meet JEDEC 1.5V voltage level operation specifications. This is in compliance with both Patriot and JEDEC specifications.

For any further questions about DDR3L backward compatibility or our DDR3 SDRAM series, please contact our Patriot Support team at support@patriotmem.com.

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