

DEPT: Engineering	DOCUMENT NO.	412-0075-00	
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**Title of Change:** Utility & Utility+ 8/16GB uSD/SD Firmware Update

**Date:** 10/19/21

**PCN No:** 412-0075-00

**PCN Effective Date:** 10/19/21

**Last Time Buy Date:** N/A

**Last Time Ship Date:** N/A

**Type of Change:**

A new version of firmware has been released for the controller in the Delkin Utility and Utility+ 8 and 16GB uSD and SD cards with several enhancements, and Delkin highly recommends moving to the new configuration.

**Description of Change:**

Changes / enhancements to the firmware include:

- Enhanced power loss protection, handling of sudden power interruptions & impact on UECC
- Improved read disturb management
- Improved 4K random read performance
- Added SD 5.0 compliance
- Optimization for various corner case write patterns
- Enhanced CMD42 Lock\_Unlock handling mechanism for better efficiency

**Reason for Change:**

To improve card reliability and performance in host applications.

**Products Affected:**

8GB and 16GB uSD and SD, per part number list on Page 2.

**Impact of Change / Recommended Actions:**

Delkin recommends qualifying the new firmware version and migrating to the replacement part numbers. Contact your Delkin Devices Account Manager to request a sample and to request a copy of the datasheet.

**Reference Documents/Attachments:**

List of part numbers affected by this PCN are shown on Page 2, with replacement part numbers.

Sincerely,



Tony Diaz  
Product Management  
Delkin Devices, Inc.

**Part Numbers Affected by this PCN and Replacement Part Numbers**

<b>Affected Part Number</b>	<b>Replacement Part Number</b>
SF08APGE9-U1000-3	SF08APGJP-U1000-3
SF16ANZE9-U1000-3	SF16ANZJP-U1000-3
S408APGE9-U1000-3	S408GSEJL-U1000-3
S408APGE9-U1212-3	Contact Delkin
S416APGE9-U3000-3	S416GSEJL-U3000-3
SE08APGE9-1B000-3	SE08APGJP-1B000-3
SE16ANZE9-1B000-3	SE16ANZJP-1B000-3
S308APGE9-U1000-3	S308APGJP-U1000-3
S316APGE9-U3000-3	S316APGJP-U3000-3