

## Datakey – Product Change Notification

**PCN Number:** 20210909  
**Notice Date:** 9 September 2021  
**Notification Subject:** Product Change Notification (PCN)

### Summary Description:

The memory IC that has been used in the Datakey 8 Mbit serial flash memory keys and tokens has gone obsolete. A replacement IC has been qualified and it is a drop-in replacement. ATEK engineering has updated two specifications in the Datakey SPI Flash Interface Specification document based on this change. See details below.

### Affected Products:

SFK8Mb SPI Flash Memory Key (all colors)  
SFK5V8Mb SPI Flash Memory Key (all colors)  
SFT8Mb SPI Flash Memory Token (all colors)  
SFX8Mb SPI Flash Extended Length Memory Token (all colors)  
Customized SFK8Mb and SFX8Mb Memory Keys and Tokens

### Part Numbers:

611-0132-00xA\*  
611-0130-00xA\*  
611-0166-00xA\*  
611-0157-00xA\*  
Varies

\*The “x” in the part number would be replaced by a number corresponding to the color of the key/token (0=black, 2=red, 4=yellow, 5=green, 6=blue, 8=gray).

### Details of Notice:

The memory IC that has been used in the Datakey 8 Mbit serial flash memory keys and tokens has gone end of life (EOL). ATEK engineering has qualified a replacement IC. This replacement IC has been shown to provide the same form, fit and function as the previous IC. As such, no changes will be made to the above part numbers. The date codes that are molded into the keys/tokens can be used to identify whether the newly qualified IC is used. All Datakey 8 Mbit memory keys and token with date codes of 10 – 1 (corresponding to October 2021) and later will use the new ICs.

As part of the qualification process, ATEK engineering has confirmed that the new ICs function the same as the previously-qualified ICs. The new ICs were tested with ATEK’s internal factory testers and with Datakey Series III programmers (reader/writers) and sample application. An analysis of the Datakey SPI Flash Interface Specification was also performed, and the following updates to the specification were made:

- The maximum value for  $I_{CC4}$  and  $I_{CC5}$  was changed from 20 mA to 25 mA.
- The maximum value for  $V_{OL}$  did not change, but the associated  $I_{OL}$  was changed from 1.6 mA to 100  $\mu$ A. This change only applies to 8 Mbit devices.

If you have any questions regarding this PCN, please contact the Datakey Customer Care Team.

### Contact Information:

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