

## Datakey – Product Change Notification

**PCN Number:** 20230816  
**Notice Date:** 16 August 2023  
**Notification Subject:** Product Change Notification (PCN)

### Summary Description:

The memory IC that has been used in the Datakey 32 Mbit serial flash memory keys and tokens has gone obsolete. A replacement IC has been qualified and it is a drop-in replacement. See details below.

### Affected Products:

SFK32Mb SPI Flash Memory Key (all colors)  
SFT32Mb SPI Flash Memory Token (all colors)  
SFX32Mb SPI Flash Extended Length Memory Token (all colors)  
Customized SFT32Mb Memory Token

### Part Numbers:

611-0164-00xA\*  
611-0179-00xA\*  
611-0159-00xA\*  
699-0103-000A

\*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 32 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 32 Mbit memory keys and tokens with date codes of 8 – 3 (corresponding to August 2023) and later will use the new ICs.

As part of the qualification process, ATEK engineering has confirmed that the new IC functions the same as the previously qualified ICs. The keys and tokens with the new IC 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 minimum value for  $V_{IH}$  changed from  $0.7V_{CC}$  to  $0.8V_{CC}$ .
- The maximum value for  $V_{IL}$  changed from  $0.3V_{CC}$  to  $0.2V_{CC}$ .
- The maximum value for  $V_{OL}$  did not change, but the condition  $I_{OL} = 1.6 \text{ mA}$  applies to 32 Mbit devices.

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

### Contact Information:

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