

Datakey – Product Change Notification / End of Life Notification

PCN Number: 20230905
Notice Date: 5 September 2023
Notification Subject: End of Life Notification (EOL)

Summary Description:

With the industry’s move away from MLC (multi-level cell) NAND flash to TLC (triple-level cell) NAND flash, we have been migrating DFX RUGGEDrive memory token customers from the MLC-based DFX tokens to the newer DFX-I Industrial RUGGEDrive tokens. This product change notification (PCN) serves as the official end of life (EOL) notification for the older MLC NAND flash based DFX memory tokens.

Besides the change in NAND flash, the new DFX-I memory tokens include some enhancements not included with the older DFX tokens. See below for details.

Affected Products:

DFX4GB RUGGEDrive Memory Tokens
 DFX8GB RUGGEDrive Memory Tokens
 DFX16GB RUGGEDrive Memory Tokens
 DFX32GB RUGGEDrive Memory Tokens
 DFX64GB RUGGEDrive Memory Tokens

Part Numbers:

611-0209-00xA*
 611-0217-00xA*
 611-0218-00xA*
 611-0219-00xA*
 611-0222-00xA*

Suggested Replacements:

EOL DFX Models		Replacement DFX-I Models	
Old Part Number	Description	New Part Number	Description
611-0209-00xA*	DFX4GB Memory Token	611-0225-01xA*	DFX16GB-I Memory Token
		611-0229-00xA*	DFX4GB-IS Memory Token
611-0217-00xA*	DFX8GB Memory Token	611-0225-01xA*	DFX16GB-I Memory Token
611-0218-00xA*	DFX16GB Memory Token	611-0225-01xA*	DFX16GB-I Memory Token
611-0219-00xA*	DFX32GB Memory Token	611-0226-01xA*	DFX32GB-I Memory Token
611-0222-00xA*	DFX64GB Memory Token	611-0227-01xA*	DFX64GB-I Memory Token

*The “x” in the part number is a variable and changes based on token color (0=black, 2=red, 4=yellow, 5=green, 6=blue, 8=gray). All token colors are EOL.

Notice Details:

As stated above, DFX RUGGEDrive memory tokens are EOL and are being replaced by DFX-I Industrial RUGGEDrive models. There are some differences between the old DFX models and the new DFX-I models and some aspects that are the same between the models. First, here are the aspects of the DFX-I memory tokens that remain the same as the existing DFX tokens:



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Characteristics Shared Between EOL DFX Models and New DFX-I Models

Like the existing DFX memory tokens, the new DFX-I tokens share the same RUGGEDrive memory token form factor that features the redundant SlimLine™ contact system. The DFX-I tokens use the same pinout and Secure Digital (SD) interface. Both provide SD card functionality and both support SPI mode operation. Both use the same SlimLine receptacles and DFX PC adapters.

Characteristics New/Changed with the New DFX-I Models

New Datakey Logo

DFX tokens use the “old” Datakey Electronics logo that was used with the RUGGEDrive tokens since the family was launched in late 2010.

The new DFX-I tokens use the updated Datakey logo that looks like this:



NAND Flash Memory

DFX memory tokens utilize SD memory with MLC-based NAND flash memory. The MLC NAND flash is rated for a minimum of 3,000 program/erase cycles per cell. The new DFX16GB-I, DFX32GB-I and DFX64GB-I models all utilize TLC-based NAND flash. Both the old MLC and the new TLC NAND flash are rated for 3,000 program/erase cycles per cell.

The new DFX4GB-IS tokens utilize TLC-based NAND flash operating in pseudo-SLC (pSLC) mode. This NAND flash is rated for 30,000 program/erase cycles per cell.

Samples of the new Industrial DFX tokens are currently available. Product information on the new Industrial DFX memory tokens is available here:

<https://datakey.com/products/ruggedrive/industrial-dfx-series>

Last Time Buy Information

There will not be a last time buy offered for DFX memory tokens, but some limited numbers of DFX memory tokens do remain in stock. Contact the Datakey Customer Care Team to learn what quantities are available.

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

Contact Information:

Customer Care Team

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+1 (218) 829-9797

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Full listing of part numbers impacted by this PCN:

611-0209-000A
611-0209-002A
611-0209-004A
611-0209-005A
611-0209-006A
611-0209-008A
611-0217-000A
611-0217-002A
611-0217-004A
611-0217-005A
611-0217-006A
611-0217-008A
611-0218-000A
611-0218-002A
611-0218-004A
611-0218-005A
611-0218-006A
611-0218-008A
611-0219-000A
611-0219-002A
611-0219-004A
611-0219-005A
611-0219-006A
611-0219-008A
611-0222-000A
611-0222-002A
611-0222-004A
611-0222-005A
611-0222-006A
611-0222-008A