KIOXIA

DATE: January 7th, 2022
REF. No.: 21MQ-G021

Product Change Notification for KIOXIA e-MMC

1. Outline

KIOXIA would like to introduce new version of e-MMC product. The new product will improve some characteristics over that of current product. Please see below details:

a) 15nm Floating Gate NAND Flash e-MMC
Enhance the ability of the CRC circuit to detect command signal error even outside AC specification.

b) BiCS FLASH™ 3D Flash memory e-MMC
Expand tolerance of timing between commands in Command Queuing mode.

Please note that all other functions, characteristics and reliability of new product are NOT changed from that of current product.

2. Current Product LTB/LTS Schedule

KIOXIA would like to complete production migration from current product to the new product with the following schedule.

Last Time Buy : September 30, 2022
Last Time Shipment : December 31, 2022
THE LTB ORDERS ARE NON-CANCELABLE AND NON-RETURNABLE.

3. Current Product / New Product - Part Number

NAND Flash Memory Design Rule	Product Density	Current Product		New Product	
		Part number	CID Register PNM [103:56]	Part number	CID Register PNM [103:56]
15nm Floating Gate	4GB	THGBMNG5D1LBAIL	0x30 30 34 47 41 30	THGBMTG5D1LBAIL	0x30 30 34 47 41 31
	8GB	THGBMJG6C1LBAIL	0x30 30 38 47 42 30	THGBMUG6C1LBAIL	0x30 30 38 47 42 31
	16GB	THGBMJG7C1LBAIL	0x30 31 36 47 42 30	THGBMUG7C1LBAIL	0x30 31 36 47 42 31
	32GB	THGBMJG8C2LBAIL	0x30 33 32 47 42 32	THGBMUG8C2LBAIL	0x30 33 32 47 42 33
BiCS FLASH™	16GB	THGAMRG7T13BAIL	0x30 31 36 47 30 30	THGAMVG7T13BAIL	0x30 31 36 47 30 31
	32GB	THGAMRG8T13BAIL	0x30 33 32 47 30 30	THGAMVG8T13BAIL	0x30 33 32 47 30 31
	64GB	THGAMRG9T23BAIL	0x30 36 34 47 30 32	THGAMVG9T23BAIL	0x30 36 34 47 30 33
	128GB	THGAMRT0T43BAIR	0x31 32 38 47 30 34	THGAMVT0T43BAIR	0x31 32 38 47 30 35

4. New Product Shipping Schedule

Commercial Samples : March 2022.
Mass Production : August 2022.

We sincerely appreciate your cooperation in this change. Sincerely yours,

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(document transmitted by E-Mail, valid without signature)