

Product Change Notice (Change Flash - uSDC-M Plus)

Released date: Apr. 8th, 2015

Dear Valued Customers,

Apacer hereby announces the Product Change Notice of uSDC-M Plus, as a result of flash transition to increase customer supply stability. Affected product has no function and compatibility issues during Apacer qualifications.

The details of changing description are listed at table below:

PCN number:		E150408-02	Date:	04/08/2015
Affected Product Model		uSDC-M Plus		
Subject :				
Change Flash process – uSDC-M Plus				
Description of Change:				
1. Reason of change Flash process				
➤ Keep products supply smoothly.				
2. Key characteristics of the change				
Toshiba Flash comparison				
Generation		19nm B-ver.	A19nm	
NAND die density		64Gb	64Gb	
Interface		Toggle1.0 for TSOP	Toggle1.0 for TSOP	
ECC Requirement		40bit/1KB	40bit/1KB	
Architecture	Vcc	2.7V - 3.6V	2.7V - 3.6V	
	VccQ	3.3V / 1.8V	3.3V / 1.8V	
	Page +Spare Size	16KB + 1280B	16KB + 1280B	
	Page per Block	256	256	
	Block Size	4MB	4MB	
	# of Blocks	2018 – 2092	2018 – 2092	
	# of Plane	1	2	
	Cache Operation	Support	Support	

Performance	Max Data Rate	400MT/s	400MT/s
	tPROG (typ)	1.4ms	1.4ms
	tR (typ/max)	50us (typ) / 85us (max)	50us (typ) / TBD (max)
	tBERASE	5ms	5ms

Recommended Actions:

Base on flash process change and supply, Apacer recommends customers change Flash (Toshiba 19Bnm to A19nm). Customers will obtain support to have a transition smoothly.

Description of Product Part Number Change:

Capacity	19Bnm Standard Part Number	Top Side Marking
8GB	AP-USDC08GC129-CTM	SH9B-8GBCA110
16GB	AP-USDC16GC229-CTM	SH9B-16GBCA220
32GB	AP-USDC32GC429-CTM	SH9B-32GBCA440
64GB	AP-USDC64GC829-CTM	SH9B-64GBCB480

Capacity	19Bnm ET Part Number	Top Side Marking
8GB	AP-USDC08GE129-CTM	SH9B-8GBEA110
16GB	AP-USDC16GE229-CTM	SH9B-16GBEA220
32GB	AP-USDC32GE429-CTM	SH9B-32GBEA440
64GB	AP-USDC64GE829-CTM	SH9B-64GBEB480

Capacity	A19nm Standard Part Number	Top Side Marking
8GB	AP-USDC08GC139-DTM	SH9B-8GCCA110A
16GB	AP-USDC16GC239-DTM	SH9B-16GCCA220A
32GB	AP-USDC32GC439-DTM	SH9B-32GCCA440A
64GB	AP-USDC64GC839-DTM	SH9B-64GCCB480A

Capacity	A19nm ET Part Number	Top Side Marking
8GB	AP-USDC08GE139-DTM	SH9B-8GCEA110A
16GB	AP-USDC16GE239-DTM	SH9B-16GCEA220A
32GB	AP-USDC32GE439-DTM	SH9B-32GCEA440A
64GB	AP-USDC64GE839-DTM	SH9B-64GCEB480A
Schedule:		
Sample Available Date		Now
Non-Cancelable & Non-Returnable Last Buy order		06/30/2015
Last Buy Shipment Date		09/30/2015

If you have any questions and concerns with the content of this notice, please contact with Apacer sales representatives.

Daniel Lin

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