

Product Change Notice

(M.2 2260/80_ the Transition to Toshiba A19nm NAND Flash MLC)

Released date: Feb. 17, 2015

Dear Valued Customers,

Apacer hereby announces the Product Change Notice of the Transition of Toshiba 19nm MLC NAND Flash chips on M.2 2260/80 A200/A201-(M) products, as a result of the transition to the advance Toshiba A19nm NAND flash MLC from Toshiba 19nm. This transition will provide better availability and performance of M.2 2260/80 A200/A201-(M) products in the future. No change is on the hardware of M.2 except NAND flash chips.

The details of changing description are listed at below table:

PCN number:	E170215-01	Date:	02/17/2015																								
Affected Product Model	M.2 2260 A200-M & M.2 2280 A201-M																										
Subject :																											
the Transition to Toshiba A19nm NAND Flash MLC																											
Description of Change:																											
1. Transfer NAND flash to Toshiba A19 nm MLC from Toshiba 19nm typeB & typeC 2. Only provide M.2 2260 A200-M & 2280 A201-M with Device sleep feature 3. AP P/Ns of new products as below 1). M.2 2260 A200-M <table><tr><td></td><td>Existing</td><td colspan="2">New</td></tr><tr><td></td><td>Standard</td><td>DEVSLP</td><td>DEVSLP (only)</td></tr><tr><td>32GB</td><td>APM2T60A200032GD-1 (2)ATM</td><td>APM2T60A200032GD-1 (2)BTM</td><td>APM2T60A200032GD-3BTM</td></tr><tr><td>64GB</td><td>APM2T60A200064GD-1 (2)ATM</td><td>APM2T60A200064GD-1 (2)BTM</td><td>APM2T60A200064GD-3BTM</td></tr><tr><td>128GB</td><td>APM2T60A200128GD-1 (2)ATM</td><td>APM2T60A200128GD-1 (2)BTM</td><td>APM2T60A200128GD-3BTM</td></tr><tr><td>256GB</td><td>APM2T60A200256GD-1 (2)ATM</td><td>APM2T60A200256GD-1 (2)BTM</td><td>APM2T60A200256GD-3BTM</td></tr></table>					Existing	New			Standard	DEVSLP	DEVSLP (only)	32GB	APM2T60A200032GD-1 (2)ATM	APM2T60A200032GD-1 (2)BTM	APM2T60A200032GD-3BTM	64GB	APM2T60A200064GD-1 (2)ATM	APM2T60A200064GD-1 (2)BTM	APM2T60A200064GD-3BTM	128GB	APM2T60A200128GD-1 (2)ATM	APM2T60A200128GD-1 (2)BTM	APM2T60A200128GD-3BTM	256GB	APM2T60A200256GD-1 (2)ATM	APM2T60A200256GD-1 (2)BTM	APM2T60A200256GD-3BTM
	Existing	New																									
	Standard	DEVSLP	DEVSLP (only)																								
32GB	APM2T60A200032GD-1 (2)ATM	APM2T60A200032GD-1 (2)BTM	APM2T60A200032GD-3BTM																								
64GB	APM2T60A200064GD-1 (2)ATM	APM2T60A200064GD-1 (2)BTM	APM2T60A200064GD-3BTM																								
128GB	APM2T60A200128GD-1 (2)ATM	APM2T60A200128GD-1 (2)BTM	APM2T60A200128GD-3BTM																								
256GB	APM2T60A200256GD-1 (2)ATM	APM2T60A200256GD-1 (2)BTM	APM2T60A200256GD-3BTM																								

Note:

- (1) APM2T60A200xxxGD-1A (B) TM is the first firmware
- (2) APM2T60A200xxxGD-2A (B) TM is for improving performance firmware

2) M.2 2280 A201-M

	Existing		New
	Standard	DEVSLP	DEVSLP (only)
32GB	APM2T80A201032GD-1 (2)ATM	APM2T80A201032GD-1 (2)BTM	APM2T80A201032GD-3BTM
64GB	APM2T80A201064GD-1 (2)ATM	APM2T80A201064GD-1 (2)BTM	APM2T80A201064GD-3BTM
128GB	APM2T80A201128GD-1 (2)ATM	APM2T80A201128GD-1 (2)BTM	APM2T80A201128GD-3BTM
256GB	APM2T80A201256GD-1 (2)ATM	APM2T80A201256GD-1 (2)BTM	APM2T80A201256GD-3BTM

Note:

- (1) APM2T80A201xxxGD-1A (B)TM is the first firmware
- (2) APM2T80A201xxxGD-2A (B)TM is for the improving performance firmware

3) Performance

M.2 2260 A200-M & 2280 A201-M

	Existing		New
	1A/B firmware	2A/B FW	3B FW
32GB	365/80 MB/s	380/80 MB/s	390/85 MB/s
64GB	430/170 MB/s	530/145 MB/s	540/170 MB/s
128GB	475/295 MB/s	530/305 MB/s	540/330 MB/s
256GB	460/440 MB/s	530/460 MB/s	530/455 MB/s

Schedule :

1. Sample Available Date: Now
2. Non-Cancelable & Non-Returnable Last Buy Order: 03/31/2015
3. Last Buy Shipment Date: 06/30/2015

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

Thank you for your continued support of Apacer products.

Kevin Pan

Product Manager / Embedded Application Product Division