



Product Change Notice

(mSATA A1-M Flash Transition from Toshiba A19nm to 15nm)

Dear Valued Customers,

Apacer hereby announces the Product Change Notice of mSATA A1-M series products, as a result of reacting to the End of Life of Toshiba MLC A19nm 32Gb, 64Gb, 128Gb, 256Gb NAND flash. The alternative flash are Toshiba MLC 15nm 32Gb, 64Gb, 128Gb, 256Gb NAND flash. Those new flash have passed all validations and qualification tests with no function or compatibility issue. Please refer to below PCN table for details.

PCN Number:	E160314-01	Release Date:	03/14/2016
Affected Product Model	mSATA A1-M HS		
Subject :			
mSATA A1-M Flash Transition from Toshiba A19nm to 15nm			
Description of Change:			
1. To react the End of Life of Toshiba MLC A19nm 32Gb, 64Gb, 128Gb, 256Gb NAND flash, affected products have applied Toshiba 15nm 32Gb, 64Gb, 128Gb, 256Gb flash ID and passed the verification and qualification with no function and compatibility issues. 2. Firmware version moves to SFDH006A(B) to support Toshiba 15nm NAND flash			
Recommended Action :			
For long-term supply and cost perspective, Apacer recommends customers to qualify Toshiba 15nm MLC flash in a timely manner.			
Description of Product Part Number Change:			
The new part numbers are listed here			
Operating Temperature (0℃ ~ 70℃)			
Without Write Protect			
Existing (A19)		New (15nm)	
Without DEVSLP M/N	With DEVSLP M/N	Without DEVSLP M/N	With DEVSLP M/N
APSDM032GM4AD-3ATM	APSDM032GM4AD-3BTM	APSDM032GM4AN-6ATM	APSDM032GM4AN-6BTM
APSDM064GM9AD-3ATM	APSDM064GM9AD-3BTM	APSDM064GM9AN-6ATM	APSDM064GM9AN-6BTM
APSDM128GM9AD-3ATM	APSDM128GM9AD-3BTM	APSDM128GM9AN-6ATM	APSDM128GM9AN-6BTM
APSDM256GM9AD-3ATM	APSDM256GM9AD-3BTM	APSDM256GM9AN-6ATM	APSDM256GM9AN-6BTM
With Write Protect			
Existing (A19)		New (15nm)	
Without DEVSLP M/N	With DEVSLP M/N	Without DEVSLP M/N	With DEVSLP M/N

APSDM032GM4WD-3ATM	APSDM032GM4CD-3BTM	APSDM032GM4WN-6ATM	APSDM032GM4CN-6BTM
APSDM064GM9WD-3ATM	APSDM064GM9CD-3BTM	APSDM064GM9WN-6ATM	APSDM064GM9CN-6BTM
APSDM128GM9WD-3ATM	APSDM128GM9CD-3BTM	APSDM128GM9WN-6ATM	APSDM128GM9CN-6BTM
APSDM256GM9WD-3ATM	APSDM256GM9CD-3BTM	APSDM256GM9WN-6ATM	APSDM256GM9CN-6BTM

Thermal Sensor without Write Protect

Existing (A19)		New (15nm)	
Without DEVSLP M/N	With DEVSLP M/N	Without DEVSLP M/N	With DEVSLP M/N
APSDM032GM4TD-3ATM	APSDM032GM4FD-3BTM	APSDM032GM4TN-6ATM	APSDM032GM4FN-6BTM
APSDM064GM9TD-3ATM	APSDM064GM9FD-3BTM	APSDM064GM9TN-6ATM	APSDM064GM9FN-6BTM
APSDM128GM9TD-3ATM	APSDM128GM9FD-3BTM	APSDM128GM9TN-6ATM	APSDM128GM9FN-6BTM
APSDM256GM9TD-3ATM	APSDM256GM9FD-3BTM	APSDM256GM9TN-6ATM	APSDM256GM9FN-6BTM

Operating Temperature (-40°C ~ 85°C)

Without Write Protect

Existing (A19)		New (15nm)	
Without DEVSLP M/N	With DEVSLP M/N	Without DEVSLP M/N	With DEVSLP M/N
APSDM032GM4AD-3ATMW	APSDM032GM4AD-3BTMW	APSDM032GM4AN-6ATMW	APSDM032GM4AN-6BTMW
APSDM064GM9AD-3ATMW	APSDM064GM9AD-3BTMW	APSDM064GM9AN-6ATMW	APSDM064GM9AN-6BTMW
APSDM128GM9AD-3ATMW	APSDM128GM9AD-3BTMW	APSDM128GM9AN-6ATMW	APSDM128GM9AN-6BTMW
APSDM256GM9AD-3ATMW	APSDM256GM9AD-3BTMW	-	-

With Write Protect

Existing (A19)		New (15nm)	
Without DEVSLP M/N	With DEVSLP M/N	Without DEVSLP M/N	With DEVSLP M/N
APSDM032GM4WD-3ATMW	APSDM032GM4CD-3BTMW	APSDM032GM4WN-6ATMW	APSDM032GM4CN-6BTMW
APSDM064GM9WD-3ATMW	APSDM064GM9CD-3BTMW	APSDM064GM9WN-6ATMW	APSDM064GM9CN-6BTMW
APSDM128GM9WD-3ATMW	APSDM128GM9CD-3BTMW	APSDM128GM9WN-6ATMW	APSDM128GM9CN-6BTMW
APSDM256GM9WD-3ATMW	APSDM256GM9CD-3BTMW	-	-

Thermal Sensor without Write Protect

Existing (A19)		New (15nm)	
Without DEVSLP M/N	With DEVSLP M/N	Without DEVSLP M/N	With DEVSLP M/N
APSDM032GM4TD-3ATMW	APSDM032GM4FD-3BTMW	APSDM032GM4TN-6ATMW	APSDM032GM4FN-6BTMW



APSDM064GM9TD-3ATMW	APSDM064GM9FD-3BTMW	APSDM064GM9TN-6ATMW	APSDM064GM9FN-6BTMW
APSDM128GM9TD-3ATMW	APSDM128GM9FD-3BTMW	APSDM128GM9TN-6ATMW	APSDM128GM9FN-6BTMW
APSDM256GM9TD-3ATMW	APSDM256GM9FD-3BTMW	-	-
Schedule:			
<i>15nm Sample Available Date: 03/14/2016</i>			
<i>Non-Cancelable & Non-Returnable Last Buy Order: 06/14/2016</i>			
<i>Last Time Buy Shipment Date: 09/14/2016</i>			

Apacer would provide every necessary supports to ensure a smooth transition. If you have any questions and concerns with the content of this notice, please contact with Apacer sales representatives.

Embedded Application Product Division
Apacer Technology Inc.