

Product Change Notice
(SFDH008A/SFDH108B firmware launch - SFD18A)

Release date: Jun 28, 2017

Dear Valued Customers,

Apacer hereby announces the Product Change Notice of the latest version firmware on SFD18A product, as a result of updating firmware to SFDH008A/SFDH108B from SFDH006A/SFDH106B to enhance power failure handling and reliability issues. No change on the hardware of SFD18A.

The details of changing description, schedule and affected part number are listed at below table:

PCN number:	E170628-01	Date:	6/28/2017
Affected Product Model	SFD18A		
Subject :			
SFD18A – firmware change			
Description of Change:			
<ol style="list-style-type: none"> 1. Optimize TSB 15nm ECC flow. 2. Integrate with CoreAnalyzer SMART log function 3. Add thermal throttling function (Optional) 4. Add SMART information (ID 0xAB, 0xAC, and 0xE7) 5. Enhance idle merge mechanism 6. To avoid FW enter into LOCK mode by preventing to write system info when device is out of free block 7. Disable Auto Partial to Slumber to resolve compatibility issue on some platforms. 8. Modify SMART ID 09 “Power on hours” to fix timer count issue. 9. Modify SATA PHY Error Count in S.M.A.R.T. attribute. 10. Enhance power failure management flow. 11. Support 8K/16K mapping algorithm for high capacity. 			
Recommended Action :			
Apacer keeps on supplying SFD18A with SFDH006A/SFDH106B firmware but recommends customers to qualify SFD18A with the latest version (SFDH008A/SFDH108B) due to better compatibility & reliability.			
Description of Product Part Number Change:			
The new part numbers are listed here			
SLC-3.3V Operating Temperature No DEVSLP (0°C ~ 70°C)			
Existing	New		
APS18A7A032G-6ATL	APS18A7A032G-8ATL		
APS18A7A064G-6ATL	APS18A7A064G-8ATL		
APS18A7A128G-6ATL	APS18A7A128G-8ATL		
APS18A7A256G-6ATL	APS18A7A256G-8ATL		

SLC-3.3V
Operating Temperature DEVSLP (0°C ~ 70°C)

Existing	New
APS18A7A032G-6BTL	APS18A7A032G-8BTL
APS18A7A064G-6BTL	APS18A7A064G-8BTL
APS18A7A128G-6BTL	APS18A7A128G-8BTL
APS18A7A256G-6BTL	APS18A7A256G-8BTL

SLC3.3V
Operating Temperature No DEVSLP (-40°C ~ 85°C)

Existing	New
APS18A7A032G-6ATWL	APS18A7A032G-8ATWL
APS18A7A064G-6ATWL	APS18A7A064G-8ATWL
APS18A7A128G-6ATWL	APS18A7A128G-8ATWL
APS18A7A256G-6ATWL	APS18A7A256G-8ATWL

SLC-3.3V
Operating Temperature DEVSLP (-40°C ~ 85°C)

Existing	New
APS18A7A032G-6BTWL	APS18A7A032G-8BTWL
APS18A7A064G-6BTWL	APS18A7A064G-8BTWL
APS18A7A128G-6BTWL	APS18A7A128G-8BTWL
APS18A7A256G-6BTWL	APS18A7A256G-8BTWL

SLC-5V
Operating Temperature No DEVSLP (0°C ~ 70°C)

Existing	New
APS18A7A032G-6AT	APS18A7A032G-8AT
APS18A7A064G-6AT	APS18A7A064G-8AT
APS18A7A128G-6AT	APS18A7A128G-8AT
APS18A7A256G-6AT	APS18A7A256G-8AT

SLC-5V
Operating Temperature DEVSLP (0°C ~ 70°C)

Existing	New
APS18A7A032G-6BT	APS18A7A032G-8BT
APS18A7A064G-6BT	APS18A7A064G-8BT
APS18A7A128G-6BT	APS18A7A128G-8BT
APS18A7A256G-6BT	APS18A7A256G-8BT

SLC-5V

Operating Temperature No DEVSLP (-40°C ~ 85°C)

Existing	New
APS18A7A032G-6ATW	APS18A7A032G-8ATW
APS18A7A064G-6ATW	APS18A7A064G-8ATW
APS18A7A128G-6ATW	APS18A7A128G-8ATW
APS18A7A256G-6ATW	APS18A7A256G-8ATW

SLC-5V

Operating Temperature DEVSLP (-40°C ~ 85°C)

Existing	New
APS18A7A032G-6BTW	APS18A7A032G-8BTW
APS18A7A064G-6BTW	APS18A7A064G-8BTW
APS18A7A128G-6BTW	APS18A7A128G-8BTW
APS18A7A256G-6BTW	APS18A7A256G-8BTW

Schedule:

Sample Available Date	7/1/2017
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Apacer will 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.

We appreciate your cooperation and thank you for your continued support of Apacer products.

**Embedded Application Product Division
Apacer Technology Inc.**