

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

Release date: Jun 29, 2017

Dear Valued Customers,

Apacer hereby announces the Product Change Notice of the latest version firmware on SFD18A-M 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-M. The details of changing description, schedule and affected part number are listed at below table:

<b>PCN number:</b>	E170629-01	<b>Date:</b>	6/29/2017
<b>Affected Product Model</b>	SFD18A-M		
<b>Subject :</b>			
SFD18A-M – firmware change			
<b>Description of Change:</b>			
<ol style="list-style-type: none"> <li>1. Optimize TSB 15nm ECC flow.</li> <li>2. Integrate with CoreAnalyzer SMART log function</li> <li>3. Add thermal throttling function (Optional)</li> <li>4. Add SMART information (ID 0xAB, 0xAC, and 0xE7)</li> <li>5. Enhance idle merge mechanism</li> <li>6. To avoid FW enter into LOCK mode by preventing to write system info when device is out of free block</li> <li>7. Disable Auto Partial to Slumber to resolve compatibility issue on some platforms.</li> <li>8. Modify SMART ID 09 “Power on hours” to fix timer count issue.</li> <li>9. Modify SATA PHY Error Count in S.M.A.R.T. attribute.</li> <li>10. Enhance power failure management flow.</li> <li>11. Support 8K/16K mapping algorithm for high capacity.</li> </ol>			
<b>Recommended Action :</b>			
Apacer keeps on supplying SFD18A-M with SFDH006A/SFDH106B firmware but recommends customers to qualify SFD18A-M with the latest version (SFDH008A/SFDH108B) due to better compatibility & reliability.			
<b>Description of Product Part Number Change:</b>			
The new part numbers are listed here			
<b>SLC-3.3V</b> <b>Operating Temperature No DEVSLP (0°C ~ 70°C)</b>			
	Existing		New
	APS18A7A032G-6ATM1GL		APS18A7A032G-8ATM1GL
	APS18A7A064G-6ATM1GL		APS18A7A064G-8ATM1GL
	APS18A7A128G-6ATM1GL		APS18A7A128G-8ATM1GL
	APS18A7A256G-6ATM1GL		APS18A7A256G-8ATM1GL

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

Existing	New
APS18A7A032G-6BTM1GL	APS18A7A032G-8BTM1GL
APS18A7A064G-6BTM1GL	APS18A7A064G-8BTM1GL
APS18A7A128G-6BTM1GL	APS18A7A128G-8BTM1GL
APS18A7A256G-6BTM1GL	APS18A7A256G-8BTM1GL

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

Existing	New
APS18A7A032G-6ATM1GWL	APS18A7A032G-8ATM1GWL
APS18A7A064G-6ATM1GWL	APS18A7A064G-8ATM1GWL
APS18A7A128G-6ATM1GWL	APS18A7A128G-8ATM1GWL
APS18A7A256G-6ATM1GWL	APS18A7A256G-8ATM1GWL

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

Existing	New
APS18A7A032G-6BTM1GWL	APS18A7A032G-8BTM1GWL
APS18A7A064G-6BTM1GWL	APS18A7A064G-8BTM1GWL
APS18A7A128G-6BTM1GWL	APS18A7A128G-8BTM1GWL
APS18A7A256G-6BTM1GWL	APS18A7A256G-8BTM1GWL

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

Existing	New
APS18A7A032G-6ATM1G	APS18A7A032G-8ATM1G
APS18A7A064G-6ATM1G	APS18A7A064G-8ATM1G
APS18A7A128G-6ATM1G	APS18A7A128G-8ATM1G
APS18A7A256G-6ATM1G	APS18A7A256G-8ATM1G

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

Existing	New
APS18A7A032G-6BTM1G	APS18A7A032G-8BTM1G
APS18A7A064G-6BTM1G	APS18A7A064G-8BTM1G
APS18A7A128G-6BTM1G	APS18A7A128G-8BTM1G
APS18A7A256G-6BTM1G	APS18A7A256G-8BTM1G

**SLC-5V**

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

Existing	New
APS18A7A032G-6ATM1GW	APS18A7A032G-8ATM1GW
APS18A7A064G-6ATM1GW	APS18A7A064G-8ATM1GW
APS18A7A128G-6ATM1GW	APS18A7A128G-8ATM1GW
APS18A7A256G-6ATM1GW	APS18A7A256G-8ATM1GW

**SLC-5V**

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

Existing	New
APS18A7A032G-6BTM1GW	APS18A7A032G-8BTM1GW
APS18A7A064G-6BTM1GW	APS18A7A064G-8BTM1GW
APS18A7A128G-6BTM1GW	APS18A7A128G-8BTM1GW
APS18A7A256G-6BTM1GW	APS18A7A256G-8BTM1GW

**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.**