Product Change Notification

Firmware Version Update for SH250-CFast BiCS5 Products

Release date: November 30, 2025

Dear Valued Customer,

Thank you for your continued support of Apacer products. This Product Change Notification (PCN) is to inform you of a firmware version update for SH250-CFast BiCS5 products. Details of the change are provided in the table below. Apacer will provide all necessary support to ensure a smooth and seamless transition. If you have any questions or concerns regarding this notification, please contact your Apacer sales representative.

PCN Number	E251130-08	Release Date	November 30, 2025
Affected Product Model	SH250-CFast BiCS5 products		
Action Levels	☐ Critical: Immediate change required ☐ Warning: Change as soon as possible ■ Recommended: Optional, but suggested ☐ Informational: No immediate action required		

Subject of Change

Firmware Version Update for SH250-CFast BiCS5 products

Description of Change

Apacer has updated the firmware version from SFML8010/SFML8110 to SFML8020/SFML8120, respectively, with the following changes:

1. Fixed firmware SN data size, location and address.
2. Improved system blocks wear leveling mechanism.
3. Fine-tuned idle GC mechanism.
4. Fine-tuned table flush threshold to resolve the "No Free Block "issue.
5. Fine-tuned code refresh threshold.
6. Fine-tuned read-retry mechanism.
7. Improved PBT head refresh process during SPOR.
8. Fixed "No Free Block" issue resulting in WP errors.
9. Optimized error handling flow to prevent SATA errors during SPOR.
10. Optimized Smart Read Refresh.

Recommended Action

Apacer will continue to supply SH250-CFast BiCS5 products with the existing firmware. However, we recommend qualifying these products with the latest version for improved compatibility and support.

Affected Part Numbers

Without Write Protect Switch

Capacity	Standard Temp	Wide Temp	Capacity	Standard Temp	Wide Temp
	Current P/N			**New P/N**	
40GB	AA2.259HYA.002F8	AA2.259HZA.002F8	40GB	AA2.259HYA.002BH	AA2.259HZA.002BH
80GB	AA2.259JYA.002F8	AA2.259JZA.002F8	80GB	AA2.259JYA.002BH	AA2.259JZA.002BH
160GB	AA2.259KYA.002F8	AA2.259KZA.002F8	160GB	AA2.259KYA.002BH	AA2.259KZA.002BH
320GB	AA2.259LYA.001F8	AA2.259LZA.001F8	320GB	AA2.259LYA.001BH	AA2.259LZA.001BH

With Write Protect Switch (optional)

Capacity	Standard Temp	Wide Temp	Capacity	Standard Temp	Wide Temp
	Current P/N			**New P/N**	
40GB	AA2.259HYB.002F8	AA2.259HZB.002F8	40GB	AA2.259HYB.002BH	AA2.259HZB.002BH
80GB	AA2.259JYB.002F8	AA2.259JZB.002F8	80GB	AA2.259JYB.002BH	AA2.259JZB.002BH
160GB	AA2.259KYB.002F8	AA2.259KZB.002F8	160GB	AA2.259KYB.002BH	AA2.259KZB.002BH
320GB	AA2.259LYB.001F8	AA2.259LZB.001F8	320GB	AA2.259LYB.001BH	AA2.259LZB.001BH

Schedule

Sample available date: Ready

Product Center

Apacer Technology Inc.