

## Product Change Notice

### Update Firmware Version for SV250-300B BiCS3 Products

Release date: Jul. 10, 2024

Dear Valued Customers,

Thank you for your business and continued support for Apacer products. This PCN is being issued to inform you of a firmware update for SV250-300B BiCS3 products. Details of the change are provided in the table below. Apacer will provide all necessary support to ensure a seamless transition. If you have any questions or concerns regarding the content of this notification, please get in touch with Apacer sales representatives.

|  |  |              |               |
|--|--|--------------|---------------|
| PCN Number   | E240710-5                                  | Release Date | Jul. 10, 2024 |
| Affected Product Model   | SV250-300B BiCS3 Without and With TCG OPAL |              |               |
| Subject of Change  |  |              |               |
| Update firmware version to SFMB6140 and SFMBA130 for SV250-300B BiCS3 products   |  |              |               |
| Description of Change  |  |              |               |
| Apacer has updated the firmware version from SFMB6130 and SFMBA120 to SFMB6140 and SFMBA130, respectively, with the following changes: |  |              |               |
| - Without TCG OPAL (SFMB6140)  |  |              |               |
| 1. Support for “Online Update”.  |  |              |               |
| 2. Enhanced read refresh mechanism.  |  |              |               |
| 3. Modified reset flow of FPLL (Frequency and Phase Locked Loop) register at high temperature.   |  |              |               |
| 4. Improved read error handling process.   |  |              |               |
| 5. Adjusted update frequency of thermal sensor.  |  |              |               |
| 6. Support for minus temperature in SMART.   |  |              |               |
| 7. Sync HDDA & DAS LED dim when drive’s in idle mode.  |  |              |               |
| 8. Set DAS GPIO as open drain.   |  |              |               |
| 9. Optimized mapping table flush timing.   |  |              |               |
| 10. Fixed LBA range reporting issue when HPA is enabled.   |  |              |               |
| - With TCG OPAL (SFMBA130)   |  |              |               |
| 1. Fixed OPAL mismatch bug after Setting Locking Range then executing RevertTper.  |  |              |               |
| 2. Change the method of OPAL PSID Revert from Secure Erase to Crypto Erase.  |  |              |               |
| 3. Support for “Online Update”.  |  |              |               |
| 4. Enhanced read refresh mechanism.  |  |              |               |
| 5. Modified reset flow of FPLL (Frequency and Phase Locked Loop) register at high temperature.   |  |              |               |
| 6. Improved read error handling process.   |  |              |               |
| 7. Adjusted update frequency of thermal sensor.  |  |              |               |
| 8. Support for minus temperature in SMART.   |  |              |               |

## Recommended Action

Apacer will continue to supply SV250-300B BiCS3 with the old firmware, but we recommend qualifying with the latest version for improved compatibility and support.

## Affected Part Numbers

### - Without TCG OPAL

| Capacity | Existing Part Numbers |                  | New Part Numbers     |                  |
|----------|-----------------------|------------------|----------------------|------------------|
|          | Standard Temperature  | Wide Temperature | Standard Temperature | Wide Temperature |
| 30GB     | A82.255FGC.00146      | A82.255FHC.00146 | A82.255FGC.001HA     | A82.255FHC.001HA |
| 60GB     | A82.255GGC.00146      | A82.255GHC.00146 | A82.255GGC.001HA     | A82.255GHC.001HA |
| 120GB    | A82.255HGC.00146      | A82.255HHC.00146 | A82.255HGC.001HA     | A82.255HHC.001HA |
| 240GB    | A82.255JGC.00146      | A82.255JHC.00146 | A82.255JGC.001HA     | A82.255JHC.001HA |

### - With TCG OPAL

| Capacity | Existing Part Numbers |                  | New Part Numbers     |                  |
|----------|-----------------------|------------------|----------------------|------------------|
|          | Standard Temperature  | Wide Temperature | Standard Temperature | Wide Temperature |
| 30GB     | A82.A15FGC.001D5      | A82.A15FHC.001D5 | A82.A15FGC.001H6     | A82.A15FHC.001H6 |
| 60GB     | A82.A15GGC.001D5      | A82.A15GHC.001D5 | A82.A15GGC.001H6     | A82.A15GHC.001H6 |
| 120GB    | A82.A15HGC.001D5      | A82.A15HHC.001D5 | A82.A15HGC.001H6     | A82.A15HHC.001H6 |
| 240GB    | A82.A15JGC.001D5      | A82.A15JHC.001D5 | A82.A15JGC.001H6     | A82.A15JHC.001H6 |

## Schedule

Sample available date: Jul. 10, 2024

Product Center

Apacer Technology Inc.