

## Product Change Notification

### Update Firmware, PCB, and DRAM Die Versions for PV210-M280 BiCS5 Products

Release date: Jan. 16, 2024

Dear Valued Customers,

Thank you for your business and continued support for Apacer products. This PCN is being issued to inform you about updates to the firmware, PCB, and DRAM die versions for the PV210-M280 BiCS5 products. Details of these changes are provided in the table below. If you have any questions or concerns regarding the content of this notification, please contact Apacer sales representatives.

PCN Number	E20240116-05	Release Date	Jan. 16, 2024
Affected Product Model	PV210-M280 BiCS5 products		
<b>Subject of Change</b>			
Update the firmware, PCB, and DRAM die versions for the PV210-M280 BiCS5 products			
<b>Description of Change</b>			
Apacer has implemented three changes to the PV210-M280 BiCS5 products:			
1. The firmware version has been updated. For products without TCG Opal support, the version is now PNMB203A, and for those with TCG Opal support, it is PNMB203B. The changes are as follows:			
1.1 Fixed a PCB thermal sensor conflict issue.			
1.2 Enabled open drain for DAS LED.			
1.3 Fixed an issue with incorrect EUI64.			
1.4 Disabled the Write Zero feature.			
1.5 Fine-tuned the NVMe initialization process with reflck on NVIDIA Jetson to avoid disk undetectability as the second drive.			
2. The PCB version has been updated from 48.2A425.0000B to 48.2A425.0030B.			
3. The latest DRAM IC technology has been adopted, transitioning the DDR4 die version from E-die to F-die.			
<b>Recommended Action</b>			
To ensure the stability of product supply, Apacer has introduced alternative parts for the PCB. Consequently, we recommend qualifying the PV210-M280 BiCS5 products with the latest firmware versions PNMB203A and PNMB203B for enhanced compatibility and support.			

## Affected Part Numbers

### Without TCG Opal

	Existing		New	
	Standard Temperature	Wide Temperature	Standard Temperature	Wide Temperature
480GB	B92.935KGU.00211	B92.935KHU.00211	B92.935KGU.00315	B92.935KHU.00315
960GB	B92.935LGU.00211	B92.935LHU.00211	B92.935LGU.00315	B92.935LHU.00315
1920GB	B92.935MGU.00211	B92.935MHU.00211	B92.935MGU.00315	B92.935MHU.00315

### With TCG Opal

	Existing		New	
	Standard Temperature	Wide Temperature	Standard Temperature	Wide Temperature
480GB	B92.A35KGU.00212	B92.A35KHU.00212	B92.A35KGU.00316	B92.A35KHU.00316
960GB	B92.A35LGU.00212	B92.A35LHU.00212	B92.A35LGU.00316	B92.A35LHU.00316
1920GB	B92.A35MGU.00212	B92.A35MHU.00212	B92.A35MGU.00316	B92.A35MHU.00316

## Schedule

Sample available date: Ready

Product Center

Apacer Technology Inc.