

## Product Change Notice

(NAND Flash Transition from KIOXIA BiCS3 to KIOXIA BiCS5: PV220-M280 TCG Opal series)

Release date: Sep. 30, 2022

Dear Valued Customers,

Apacer hereby announces the product change notice of PV220-M280 series with NAND flash transition from Kioxia BiCS3 to Kioxia BiCS5, also releasing the latest version firmware of PNMA402B for PV220-M280 BiCS5 standard temperature products. Details of changing description are listed below

<b>PCN Number:</b>	<i>E220930-02</i>	<b>Release Date:</b>	<i>Sep. 30, 2022</i>
<b>Affected Product Model</b>	<i>PV220-M280 TCG Opal series</i>		
Subject			
<ol style="list-style-type: none"> <li>1. <i>Firmware revision (PNMA402B) on PV220-M280 (BiCS5) standard temp.</i></li> <li>2. <i>NAND flash transition from Kioxia BiCS3 to Kioxia BiCS5 on PV220-M280 wide temp.</i></li> <li>3. <i>Firmware version is now synchronized to PNMA402A for both standard / wide temp.</i></li> </ol>			
Description of Change			
<ol style="list-style-type: none"> <li>1. Enhance shadow MBR error handling mechanism.</li> <li>2. Optimize compliance of power on sequence on specific platform (no PERST).</li> <li>3. Fine tune SMART attributes. <ul style="list-style-type: none"> <li>- Disable PHY error count</li> <li>- Fix read retry count would not be kept after power cycle</li> </ul> </li> </ol>			
Recommended Action			
<p><i>To ensure future supply continuity, Apacer recommends to qualify PV220-M280 with KIOXIA BiCS5 NAND flash for following affected part numbers:</i></p>			

## Description of Product Part Number Change

The new part numbers are listed below:

1. Firmware version changes from PNMA401B to PNMA402B for Kioxia BiCS5 standard temperature products:

	Affected P/N (BiCS5)	New P/N (BiCS5)
Capacity	Standard Temperature	Standard Temperature
240GB	B92.A45JGV.00118	B92.A45JGV.00123
480GB	B92.A45LGU.00218	B92.A45KGU.00223
960GB	B92.A45MGU.00218	B92.A45LGU.00223
1920GB	B92.A45KGU.00218	B92.A45MGU.00223

2. NAND flash transition for wide temperature products:

	Affected P/N (BiCS <sup>3</sup> )	New P/N (BiCS5)
Capacity	Wide Temperature	Wide Temperature
240GB	B92.A45JHU.00106	B92.A45JHV.00123
480GB	B92.A45KHU.00106	B92.A45KHU.00223
960GB	B92.A45LHU.00106	B92.A45LHU.00223
1920GB	B92.A45MHU.00106	B92.A45MHU.00223

## Schedule

*Sample Available Date: 2022/09/30*

Apacer will provide every necessary support to ensure a smooth transition. If you have any questions or concerns with the content of this notice, please contact Apacer sales representatives.

**Product Center**  
**Apacer Technology Inc.**