

## Product Change Notice

(PT220-M280 BiCS5 with the latest version firmware\_PNMA303A)

Release Date: Oct. 31, 2022

Dear Valued Customers,

Apacer hereby announces the Product Change Notice of updating firmware version from PNMA302A to PNMA303A and supporting Sidefill technology on the new firmware for PT220-M280 BiCS5 products. Details of this notice are given in the table below.

<b>PCN Number:</b>	E221031-1	<b>Release Date:</b>	Oct. 31, 2021
<b>Affected Product Model</b>	PT220-M280 BiCS5		
<b>Subject</b>			
Firmware version update to PNMA303A with Sidefill support			
<b>Description of Change</b>			
<ol style="list-style-type: none"> <li>Update firmware version from PNMA302A to PNMA303A, listed changes as follows:               <ol style="list-style-type: none"> <li>Optimize compliance of power on sequence on specific platform (no PERST).</li> <li>Fine tune SMART attributes.                   <ol style="list-style-type: none"> <li>Disable PHY error count.</li> <li>Fix read retry count would not be kept after power cycle</li> </ol> </li> <li>Improve read refresh flow.</li> </ol> </li> <li>PT220-M280 BiCS5 support Sidefill technology.</li> </ol>			
<b>Recommended Action</b>			
Apacer will continue supplying PT220-M280 BiCS5 with PNMA302A firmware but recommends customers qualify PT220-M280 BiCS5 with the latest version (PNMA303A) with Sidefill for better compatibility and support.			
<b>Description of Product Part Number Change</b>			
The new part numbers are listed here:			
<b>Capacity</b>	<b>Existing (PNMA302A)</b>	<b>New (PNMA303A)</b>	
256GB	B92.22CJGV.00116	B92.22CJGV.00221	
512GB	B92.22CKGU.00216	B92.22CKGU.00321	
1TB	B92.22CLGU.00216	B92.22CLGU.00321	
2TB	B92.22CMGU.00116	B92.22CMGU.00221	
<b>Schedule</b>			
Sample Available Date: Now			

Apacer would 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.

**Product Center  
Apacer Technology Inc.**