

Product Change Notice

PCN-Q241223

Date of Publication: 12/23/2024

Description of Change:

This PCN is being issued to address that the series mentioned below are going to adopt substituting on-board DDR4 IC due to the DRAM process technology advancement. DDR4 IC will change from 1xnm to 1znm. This component substitution does not pose any potential risks to the SSD functionality and no additionally action is required from the user. The DDR4 IC will change on all applied SQF ER-1 listed as follows.

Affected Product Model No.:

SQF ER-1 series

Original P/N, BOM configuration	Replacement P/N, BOM configuration
SQF-CU2, SQF-C8M ER-1 P/Ns (w/ DDR4_1xnm): 4Gb 8bit: K4A4G085WF-BCTD 4Gb 16bit: K4A4G165WF-BCTD 8Gb 8bit: K4A8G085WC-BCTD 8Gb 16bit: K4A8G165WC-BCTD 16Gb 8bit: K4AAG085WA-BCTD 16Gb 16bit: K4AAG165WA-BCTD	SQF-CU2, SQF-C8M ER-1 P/Ns (w/ DDR4_1znm): 4Gb 8bit: K4A4G085WG-BCWE 4Gb 16bit: K4A4G165WG-BCWE 8Gb 8bit: K4A8G085WG-BCWE 8Gb 16bit: K4A8G165WG-BCWE 16Gb 8bit: K4AAG085WC-BCWE 16Gb 16bit: K4AAG165WC-BCWE

Potential impacts to customers:

BOM: DDR4 IC change
 PCB: no change required
 FW: no change required
 Others: no change required

Ordering Information:

No Change

Impact of change & recommended action date:

All applied SQF ER-1 Series will adopt new DDR4 IC by **PCN-Q241223 after Feb. 1st, 2025.**

Key Information & Milestones:

PCN number: **PCN-Q241223**
 PCN released date: **Dec. 23th, 2024**
 Last Time Buy date: **N/A**

Issue by

PM: Tones Yen

- SQF U.2 & M.2 2280 ER-1 series standard Part Number List

Product Change	
Type	Part Number
U.2	SQF-CU2V2-200GDG1C
U.2	SQF-CU2V4-400GDG1C
U.2	SQF-CU2V8-800GDG1C
U.2	SQF-CU2V8-1K6GDG1C
U.2	SQF-CU2V8-3K2GDG1C
U.2	SQF-CU2V8-6K4GDG1C
U.2	SQF-CU2V8-12T8DG1C
U.2	SQF-CU2V2-200GDG1E
U.2	SQF-CU2V4-400GDG1E
U.2	SQF-CU2V8-800GDG1E
U.2	SQF-CU2V8-1K6GDG1E
U.2	SQF-CU2V8-3K2GDG1E
U.2	SQF-CU2V8-6K4GDG1E
U.2	SQF-CU2V8-12T8DG1E
U.2	SQF-CU2V4-400GDG1D
U.2	SQF-CU2V8-800GDG1D
U.2	SQF-CU2V8-1K6GDG1D
U.2	SQF-CU2V8-3K2GDG1D
U.2	SQF-CU2V8-6K4GDG1D
U.2	SQF-CU2V8-12T8DG1D
M.2 2280	SQF-C8MV4-400GDG1C
M.2 2280	SQF-C8MV4-800GDG1C
M.2 2280	SQF-C8MV4-1K6GDG1C
M.2 2280	SQF-C8MV4-3K2GDG1C
M.2 2280	SQF-C8MV4-400GDG1E
M.2 2280	SQF-C8MV4-800GDG1E
M.2 2280	SQF-C8MV4-1K6GDG1E
M.2 2280	SQF-C8MV4-3K2GDG1E