



Product Change Notification

Change Notification #: **119014-01**

Change Title: **Select Intel® SSD D7-P5510 Series PCN 119014-01, Product Material, Add alternate source**

Reason for Revision: **Update part number table**

Date of Publication: **April 21, 2022**

Key Characteristics of the Change:

Product Material

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material	July 07, 2022
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Description of Change to the Customer:

Reason for Revision: **Update part number table**

The Intel SKUs listed in the products affected table will have the following changes.

- All SKUs adding the following alternate components:

Component	Use Case	Current Source Manufacturer (Part Number)	Alternate Source Manufacturer (Part Number)
MOSFET	NAND power rail external switching FET	On Semi (J90271-001)	AOS (H79742-001)
MOSFET	SMBUS isolation and level shifter FETs	Nexperia (H75826-001)	Toshiba (M67972-001)
		Diodes (K41819-001)	
MOSFET	Sideband signal MOSFET for dual port and CLKREQ functionality	Toshiba (K54006-001)	Nexperia (M77415-001)
		Diodes (H95739-001)	
Circuit Protection Diode	UART debug connector 5V TVS diode	On Semi (E76666-001)	Nexperia (M70252-001)
Diode Array Schottky	Sideband signal diode for dual port and CLKREQ functionality	On Semi (J82424-001)	Panjit (M74156-001)
		On Semi (E11457-001)	

eFuse – Voltage Protection	12V host effuse for soft start and input current limiting	TI (K60448-002)	Silergy (M75765-001)
Voltage Regulator (New PCB)	Down regulating power source from 12V to 5V	TI (J80186-001)	MPS (M47753-002)

New SKUs added to select Intel® SSD P5510 U.2 SSDs containing an alternative voltage regulator circuit. Alternative 3.84TB and 7.68TB U.2 Intel® SSD D7 P5510 Series products will be offered.

In order to maintain supply availability of Intel® SSD D7 P5510 Series SKUs due to a Texas Instruments (TI) voltage regulator supply shortage, Intel is adding a select number of alternative SKU options. These alternative SKUs use a voltage regulator from Monolithic Power Systems (MPS) that Intel has used in other SSD products. Alternative 3.84TB and 7.68TB U.2 Intel® SSD D7 P5510 Series products will be offered. Customers will continue to receive both existing TI SKUs and the new alternative source SKUs.

The specific changes for these alternative solutions are:

- Isolated change to the PCB to align to the MPS voltage regulator
- MPS voltage regulator
- 6 new passive components
- New MM# and Product Code for Intel manufacturing tracking

Customer Impact of Change and Recommended Action:

Intel anticipates no impact to customers.

The alternative MPS voltage regulator solution is currently in use by Intel 144L NAND based SSD solutions, like the Intel® SSD D7 P5500 Series. Intel is ensuring adequate validation of the alternative solutions for enhanced customer support and confidence. Milestone dates are estimates and subject to change based on business and operational conditions.

Please contact your local Intel Field Sales Representative if you have any further questions about these changes.

Products Affected/Intel Ordering Codes:

Marketing Name	Current Product Code	Current MM#	New Product Code	New MM#
Intel® SSD D7-P5510 Series (3.84TB, 2.5in PCIe 4.0 x4, 3D4, TLC) Generic Single Pack OPAL	SSDPF2KX038TZOS	99A5CZ	SSDPF2KX038TZON	99C12W
Intel® SSD D7-P5510 Series (7.68TB, 2.5in PCIe 4.0 x4, 3D4, TLC) Generic Single Pack OPAL	SSDPF2KX076TZOS	99A5D1	SSDPF2KX076TZON	99C12X
Intel® SSD D7-P5510 Series (3.84TB, 2.5in PCIe 4.0 x4, 3D4, TLC) Generic Single Pack	SSDPF2KX038TZ01	99A5DP	SSDPF2KX038TZ1N	99C0F1
Intel® SSD D7-P5510 Series (7.68TB, 2.5in PCIe 4.0 x4, 3D4, TLC) Generic Single Pack	SSDPF2KX076TZ01	99A5DR	SSDPF2KX076TZ1N	99C0F2
Intel® SSD D7-P5510 Series (3.84TB, 2.5in PCIe 4.0 x4, 3D4, TLC) Generic 50 Pack	SSDPF2KX038TZ	99AJR9	SSDPF2KX038TZN	99C1H4
Intel® SSD D7-P5510 Series (7.68TB, 2.5in PCIe 4.0 x4, 3D4, TLC) Generic 50 Pack	SSDPF2KX076TZ	99AJRA	SSDPF2KX076TZN	99C1H5

PCN Revision History:

Date of Revision:

April 07, 2022

[April 21, 2022](#)

Revision Number:

00

[01](#)

Reason:

Originally Published PCN

[Update part number table](#)



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No response from customers will be deemed an acceptance of the change, and the change will be implemented pursuant to the key milestones set forth in this attached PCN.

Should you have any issues with the timeline or content of this change, please contact the Intel Representative(s) for your geographic location listed below.

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