



July 17, 2023

PCN #	Issue Date	Description
01A-23	July 17, 2023	Initial Release

Subject: PCN# 01A-23 90-Day Notification of Intent to Utilize an Alternate Qualified Mask Set for CertusPro-NX Devices (LFCPNX-50 and LFCPNX-100)

Dear Lattice Customer,

Lattice is providing this notification of our intent to utilize an alternate qualified mask set for the CertusPro-NX Devices (LFCPNX-50 and LFCPNX-100).

Change Descriptions

Lattice is releasing an alternate qualified mask set as a manufacturing enhancement to resolve a PCIe Channel 3 functional capability.

If you currently use LFCPNX-50 or LFCPNX-100 and do NOT utilize PCIe Channel 3, no further actions are required. Continue to order the standard ordering part number. After the PCN implementation date product shipment may utilize either of the qualified mask sets.

If you currently use LFCPNX-50 or LFCPNX-100 and utilize PCIe Channel 3, please ensure that you order from the Alternate Parts Number provided in the Affected Devices list (see the Appendix). This will guarantee you will receive the latest mask set and the PCIe Channel 3 improved functionality.

The use of this alternate qualified mask set will not change form or fit. The alternate qualified mask set will improve PCIe Channel 3 functional capability.

Affected Devices

The Ordering Part Numbers (OPNs) affected by this PCN are as follows:

- All LFCPNX-50 and LFCPNX-100 Ordering Part Numbers will utilize the alternate qualified mask set. See table in appendix for complete list.

No change in ordering part number is required for customers who are not utilizing PCIe channel 3.

For customers utilizing PCIe Channel 3 please use the table in the appendix for specific ordering part numbers which will guarantee the delivery of the alternate qualified mask set.

This PCN also affects any custom devices (i.e. factory programmed, special test, non-standard speed grade, etc), which are derived from these devices. For any customer utilizing a Custom Device, please contact sales@latticesemi.com for Ordering Information.

Device Identification

Devices with this new alternate qualified mask set can be identified by the first alpha character of the Lot ID (“C” for the alternative mask product), which is marked on the topside of the device. Inspection lot numbers are also marked on the label on the outside of the inventory box as well as on the anti-static moisture barrier bag within. See device topside marking examples below.



“C” in the first position of Lot ID indicates the alternate mask set
COO = Country Of Origin code

Data Sheet Specifications

This PCN has no impact or change to any data sheet specifications.

Qualification Data

A summary of the qualification and characterization data is available upon request.

Sample Support

Should samples be required to complete evaluation of this PCN, such sample requests must be received no later than August 17, 2023 (30 days after the date of this Notice). Samples will be available based on die/package combination. Please Contact your Sales Person or sales@latticesemi.com for additional information.

PCN Timing

Conversion timing for this PCN is 90 days from the date of this Notice.

- **Sample Request Cut-Off Date:** **August 17, 2023**
- **PCN Implementation Date:** **October 17, 2023**

Response

In accordance with J-STD-046, this change is deemed accepted by the customer if no acknowledgement is received within 30 days from this Notice. Lattice PCNs are available on the [Lattice website](#). Please sign up to receive e-mail PCN alerts by registering [here](#). If you already have a Lattice web account and wish to receive PCN alerts, you can do so by logging into [your account](#) and making edits to your subscription options.

Contact

If you have any questions or require additional information, please contact sales@latticesemi.com or pcn@latticesemi.com.

Sincerely,

Lattice Semiconductor PCN Administrator

APPENDIX - Affected Devices list

Current Part Numbers	Alternate Parts Number
LFCPNX-50-7ASG256C	LFCPNX-50-7ASG256CAPU
LFCPNX-50-7ASG256I	LFCPNX-50-7ASG256IAPU
LFCPNX-50-7BBG484C	LFCPNX-50-7BBG484CAPU
LFCPNX-50-7BBG484I	LFCPNX-50-7BBG484IAPU
LFCPNX-50-7BFG484C	LFCPNX-50-7BFG484CAPU
LFCPNX-50-7BFG484I	LFCPNX-50-7BFG484IAPU
LFCPNX-50-7CBG256C	LFCPNX-50-7CBG256CAPU
LFCPNX-50-7CBG256I	LFCPNX-50-7CBG256IAPU
LFCPNX-50-8ASG256C	LFCPNX-50-8ASG256CAPU
LFCPNX-50-8ASG256I	LFCPNX-50-8ASG256IAPU
LFCPNX-50-8BBG484C	LFCPNX-50-8BBG484CAPU
LFCPNX-50-8BBG484I	LFCPNX-50-8BBG484IAPU
LFCPNX-50-8BFG484C	LFCPNX-50-8BFG484CAPU
LFCPNX-50-8BFG484I	LFCPNX-50-8BFG484IAPU
LFCPNX-50-8CBG256C	LFCPNX-50-8CBG256CAPU
LFCPNX-50-8CBG256I	LFCPNX-50-8CBG256IAPU
LFCPNX-50-9ASG256C	LFCPNX-50-9ASG256CAPU
LFCPNX-50-9ASG256I	LFCPNX-50-9ASG256IAPU
LFCPNX-50-9BBG484C	LFCPNX-50-9BBG484CAPU
LFCPNX-50-9BBG484I	LFCPNX-50-9BBG484IAPU
LFCPNX-50-9BFG484C	LFCPNX-50-9BFG484CAPU
LFCPNX-50-9BFG484I	LFCPNX-50-9BFG484IAPU
LFCPNX-50-9CBG256C	LFCPNX-50-9CBG256CAPU
LFCPNX-50-9CBG256I	LFCPNX-50-9CBG256IAPU
LFCPNX-100-7ASG256A	LFCPNX-100-7ASG256AAPU
LFCPNX-100-7ASG256C	LFCPNX-100-7ASG256CAPU
LFCPNX-100-7ASG256I	LFCPNX-100-7ASG256IAPU
LFCPNX-100-7BBG484A	LFCPNX-100-7BBG484AAPU
LFCPNX-100-7BBG484C	LFCPNX-100-7BBG484CAPU
LFCPNX-100-7BBG484I	LFCPNX-100-7BBG484IAPU
LFCPNX-100-7BFG484C	LFCPNX-100-7BFG484CAPU
LFCPNX-100-7BFG484I	LFCPNX-100-7BFG484IAPU
LFCPNX-100-7CBG256A	LFCPNX-100-7CBG256AAPU
LFCPNX-100-7CBG256C	LFCPNX-100-7CBG256CAPU
LFCPNX-100-7CBG256I	LFCPNX-100-7CBG256IAPU
LFCPNX-100-7LFG672C	LFCPNX-100-7LFG672CAPU
LFCPNX-100-7LFG672I	LFCPNX-100-7LFG672IAPU
LFCPNX-100-8ASG256A	LFCPNX-100-8ASG256AAPU
LFCPNX-100-8ASG256C	LFCPNX-100-8ASG256CAPU
LFCPNX-100-8ASG256I	LFCPNX-100-8ASG256IAPU
LFCPNX-100-8BBG484A	LFCPNX-100-8BBG484AAPU
LFCPNX-100-8BBG484C	LFCPNX-100-8BBG484CAPU
LFCPNX-100-8BBG484I	LFCPNX-100-8BBG484IAPU
LFCPNX-100-8BFG484C	LFCPNX-100-8BFG484CAPU
LFCPNX-100-8BFG484I	LFCPNX-100-8BFG484IAPU
LFCPNX-100-8CBG256A	LFCPNX-100-8CBG256AAPU
LFCPNX-100-8CBG256C	LFCPNX-100-8CBG256CAPU
LFCPNX-100-8CBG256I	LFCPNX-100-8CBG256IAPU
LFCPNX-100-8LFG672C	LFCPNX-100-8LFG672CAPU
LFCPNX-100-8LFG672I	LFCPNX-100-8LFG672IAPU
LFCPNX-100-9ASG256C	LFCPNX-100-9ASG256CAPU
LFCPNX-100-9ASG256I	LFCPNX-100-9ASG256IAPU
LFCPNX-100-9BBG484C	LFCPNX-100-9BBG484CAPU
LFCPNX-100-9BBG484I	LFCPNX-100-9BBG484IAPU
LFCPNX-100-9BFG484C	LFCPNX-100-9BFG484CAPU
LFCPNX-100-9BFG484I	LFCPNX-100-9BFG484IAPU
LFCPNX-100-9CBG256C	LFCPNX-100-9CBG256CAPU
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