

March 5, 2025

Subject: PCN 01A-25 Notification of Top Mark Format Change of Lattice MachXO3D™ devices ≥ 9x9mm package dimension.

Overview

Lattice is providing this notification of our intent to change the top mark format and add 2D barcode on all Lattice MachXO3D devices with packages ≥ 9x9mm. Customers may receive product with both versions of the top mark in the same shipment during the transition period. Customer can expect to start receiving MachXO3D products with the new top mark format on or after June 15, 2025. The realization of the marking format change by the customer will be a gradual transition over time, depending on the individual products' inventory levels.

Top marking consists of the Lattice logo, product name, Lot ID, Country of Origin (COO) and 2D Barcode. The change is aimed to standardize with the Lattice new marking format to improve device-level traceability and security.

For more information about Lattice's new top mark, please visit the Lattice 2D barcode FAQ [page](#).

Table 1. Top Mark Format

From		To	
Top Mark Description	Sample Format	Top Mark Description	Sample Format
Line 1 – Lattice Logo Line 2 – Product Code Line 3 – Pkg/Speed/Grade Line 4 – Lot ID Line 5 - COO/Date code Line 6 – Assy Lot	 	Line 1 – Lattice Logo Line 2 – Product Name Line 5 – Lot ID Line 6 – COO 2D Barcode	

Effects to Customer Design

There will be no change in form, fit and function of the affected products. There will be no impact on customer designs.

Affected Products

The marking changes in this PCN apply to all affected Lattice devices including those derived from any of the device list (i.e. factory programmed, special test, tape and reel, non-standard speed grade and package, etc.). The Ordering Part Numbers (OPNs) affected by this PCN are listed in Appendix A. This PCN will not affect any device with custom marking.

Table 2. Affected packages

Product Name	MachXO3D
# of OPNs	53
Product Name	LCMXO3D-9400 LAMXO3D-9400 LCMXO3D-4300 LAMXO3D-4300
Package sizes	10x10mm QFN 14x14mm caBGA 17x17mm caBGA 19x19mm caBGA
Package Type	QFN caBGA
Sample new Top Mark	

Timing

This change is effective as stated below:

PCN Expiration Date: **June 15, 2025**

Response

No response is required.

Lattice PCNs are available on the [Lattice website](http://www.latticesemi.com). 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 pcn@latticesemi.com.

Sincerely,

Lattice Semiconductor PCN Administration

Appendix A: Affected Ordering Part Number (OPN) List

LAMXO3D-4300HC-5BG256E	LCMXO3D-9400ZC-2SG72C
LAMXO3D-9400HE-5BG256E	LCMXO3D-9400ZC-2SG72I
LAMXO3D-9400HE-5BG484E	LCMXO3D-9400ZC-3BG256C
LAMXO3D-9400ZC-2BG256E	LCMXO3D-9400ZC-3BG256I
LAMXO3D-9400ZC-2BG484E	LCMXO3D-9400ZC-3BG400C
LCMXO3D-4300HC-5BG256C	LCMXO3D-9400ZC-3BG400I
LCMXO3D-4300HC-5BG256I	LCMXO3D-9400ZC-3SG72C
LCMXO3D-4300HC-5FTG256C	LCMXO3D-9400ZC-3SG72I
LCMXO3D-4300HC-5FTG256I	LCMXO3D-9400HC-6BG256C
LCMXO3D-4300HC-5SG72C	LCMXO3D-9400HC-6BG256I
LCMXO3D-4300HC-5SG72I	LCMXO3D-9400HC-6BG400C
LCMXO3D-4300HC-6BG256C	LCMXO3D-9400HC-6BG400I
LCMXO3D-4300HC-6BG256I	LCMXO3D-9400HC-6BG484C
LCMXO3D-4300HC-6FTG256C	LCMXO3D-9400HC-6BG484I
LCMXO3D-4300HC-6FTG256I	LCMXO3D-9400HC-6SG72C
LCMXO3D-4300HC-6SG72C	LCMXO3D-9400HC-6SG72I
LCMXO3D-4300HC-6SG72I	LCMXO3D-9400ZC-2BG256C
LCMXO3D-4300ZC-2BG256C	LCMXO3D-9400ZC-2BG256I
LCMXO3D-4300ZC-2BG256I	LCMXO3D-9400ZC-2BG400C
LCMXO3D-4300ZC-2SG72C	LCMXO3D-9400ZC-2BG400I
LCMXO3D-4300ZC-2SG72I	LCMXO3D-9400HC-5BG400I
LCMXO3D-4300ZC-3BG256C	LCMXO3D-9400HC-5BG484C
LCMXO3D-4300ZC-3BG256I	LCMXO3D-9400HC-5BG484I
LCMXO3D-4300ZC-3SG72C	LCMXO3D-9400HC-5SG72C
LCMXO3D-4300ZC-3SG72I	LCMXO3D-9400HC-5SG72I
LCMXO3D-9400HC-5BG256C	LCMXO3D-9400HC-5BG400C
LCMXO3D-9400HC-5BG256I	