October 31, 2025

Subject: PCN#02A-25 Notification of Alternate Additional Assembly / Test Supplier Qualification for Select Lattice Nexus FPGAs

Overview

Lattice is issuing this Product Change Notification (PCN) regarding our intent of using an alternate assembly, sort and final test source on select Lattice Semiconductor products to improve supply chain flexibility and secure additional capacity. Lattice is now qualifying select Nexus CABGA (Chip Array Ball Grid Array) wirebonded and WLCSP (Wafer Level Chip Scale Package) devices at SFA Semicon Co. Ltd. Korea.

There is no change in form, fit and function of the affected products.

Description

Established in 1998, SFA Semicon Ltd. Korea has a long history of innovation and technology leadership. SFA Semicon Ltd. Korea offers a broad range of Packaging and Test Services, with technology and manufacturing strengths that include Wire Bonding, Wafer Bumping, Wafer Level Chip Scale Packaging (WLCSP), and Flip Chip Packaging. Backed by a strong R&D capability in Design, Simulation, Reliability, and Failure Analysis, SFA has shipped millions of units since its establishment.

Effects on Customer Design

No change in form, fit and function on listed Lattice devices to be assembled, sorted and tested at SFA Semicon Co. Ltd. Korea. There will be no impact on customer designs.

Affected Products

The Ordering Part Numbers (OPNs) affected by this PCN are listed on Appendix A. This PCN also affects any custom devices (i.e. factory programmed, special test, tape and reel, non-standard speed grade and package, etc.), which are derived from any of the devices listed in the table.

Material Set Changes

All devices undergoing qualification at SFA Semicon Co. Ltd Korea will utilize Lattice's standard Bill of Materials (BOM), consistent with the material sets already qualified for current Lattice products. This approach is supported by existing reliability data from products in active production and benefits from Lattice's extensive high-volume manufacturing experience. By maintaining the standard BOM and using SFA's vetted suppliers, Lattice ensures continued high quality and manufacturability. The only differences from the current production site are outlined in Table 1.

PACKAGE TYPE	CABGA
ASSY SITE	SFA
SUBSTRATE SUPPLIER	FASTPRINT

PACKAGE TYPE	WLCSP
ASSY SITE	SFA
BACKSIDE COATING	ADWILL
COVER TAPE	SUMITOMO
CARRIER TAPE	KOSTAT
REEL	ADVANTEK, WHITE

Table 1. Summary of Changes

Data Sheet Specifications

This PCN has no impact on any data sheet specifications.

Qualification Data

Qualification is in progress, with target completion dates as follows:

Nexus, Commercial/Industrial Grade : January 15, 2026

Nexus, Automotive Grade : March 30, 2026

After qualification, a qualification report will be available upon request from custreq@latticesemi.com.

Device Identification

Devices manufactured at SFA Semicon Ltd. Korea can be identified by a character (“**7” or P**”) in the fifth position of the datecode marked on the topside of the devices. This datecode is 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 example below:

Example:

5th character in the Datecode will be “7” (for wirebond) or “P” (for WLCSP) and 6th character will be “P” indicates devices built and tested at SFA Semicon Ltd. Korea.

Sample Support

Conversion timing for this PCN is 90 days from the date of this Notice. No action is required (meaning no changes to OPNs, your internal Bills of Material, backlog or orders) unless you plan to do further evaluation.

Should samples be required to complete evaluation of this PCN, they can be ordered now. Samples for this PCN will use the “**ARC**” suffix appended to the standard OPNs as shown in the example below:

Example:

Standard OPN : LFMXO5-25-7BBG400I
SFA sample specific OPN : LFMXO5-25-7BBG400IARC

Implementation Timing Summary

- **Sample Request Cut-off Date : November 30, 2025**
- **Effective Date, Commercial/Industrial Grade : January 31, 2026**
- **Effective Date, Automotive Grade : April 1, 2026**

Recommended Actions

Please work closely with your normal Lattice Sales contact to provide further clarification on your sample needs.

Customers who have further questions regarding this specification change are encouraged to contact local field support or sales@latticesemi.com.

Response

In accordance with J-STD-46, 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 PCN web page. 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.

Sincerely,

Lattice PCN Administrator

Appendix A: Affected Device List

LFCPNX-100-7BBG484A	LFMXO5-15D-8BBG256C	LFMXO5-65T-9BBG484I	LFD2NX-28-7BG256I
LFCPNX-100-8BBG484A	LFMXO5-15D-8BBG256I	LFD2NX-17-7BG196A	LFD2NX-28-8BG256C
LFCPNX-50-7BBG484A	LFMXO5-15D-9BBG256C	LFD2NX-9-7BG196A	LFD2NX-28-8BG256I
LFCPNX-50-8BBG484A	LFMXO5-15D-9BBG256I	LIFCL-17-7BG256A	LFD2NX-28-9BG256C
LFCPNX-100-7BBG484C	LFMXO5-15D-8BBG400C	LFD2NX-17-7BG196C	LFD2NX-28-9BG256I
LFCPNX-100-7BBG484I	LFMXO5-15D-8BBG400I	LFD2NX-17-7BG196I	LFD2NX-40-7BG196C
LFCPNX-100-8BBG484C	LFMXO5-15D-9BBG400C	LFD2NX-17-8BG196C	LFD2NX-40-7BG196I
LFCPNX-100-8BBG484I	LFMXO5-15D-9BBG400I	LFD2NX-17-8BG196I	LFD2NX-40-8BG196C
LFCPNX-100-9BBG484C	LFMXO5-25-7BBG256C	LFD2NX-17-9BG196C	LFD2NX-40-8BG196I
LFCPNX-100-9BBG484I	LFMXO5-25-7BBG256I	LFD2NX-17-9BG196I	LFD2NX-40-9BG196C
LFCPNX-50-7BBG484C	LFMXO5-25-8BBG256C	LFD2NX-9-7BG196C	LFD2NX-40-9BG196I
LFCPNX-50-7BBG484I	LFMXO5-25-8BBG256I	LFD2NX-9-7BG196I	LFD2NX-40-7BG256C
LFCPNX-50-8BBG484C	LFMXO5-25-9BBG256C	LFD2NX-9-8BG196C	LFD2NX-40-7BG256I
LFCPNX-50-8BBG484I	LFMXO5-25-9BBG256I	LFD2NX-9-8BG196I	LFD2NX-40-8BG256C
LFCPNX-50-9BBG484C	LFMXO5-25-7BBG400C	LFD2NX-9-9BG196C	LFD2NX-40-8BG256I
LFCPNX-50-9BBG484I	LFMXO5-25-7BBG400I	LFD2NX-9-9BG196I	LFD2NX-40-9BG256C
LFMXO5-100T-7BBG400C	LFMXO5-25-8BBG400C	LIFCL-17-7BG256C	LFD2NX-40-9BG256I
LFMXO5-100T-7BBG400I	LFMXO5-25-8BBG400I	LIFCL-17-7BG256I	LIFCL-40-7BG256C
LFMXO5-100T-8BBG400C	LFMXO5-25-9BBG400C	LIFCL-17-8BG256C	LIFCL-40-7BG256I
LFMXO5-100T-8BBG400I	LFMXO5-25-9BBG400I	LIFCL-17-8BG256I	LIFCL-40-8BG256C
LFMXO5-100T-9BBG400C	LFD2NX-35-7BG484C	LIFCL-17-9BG256C	LIFCL-40-8BG256I
LFMXO5-100T-9BBG400I	LFD2NX-35-7BG484I	LIFCL-17-9BG256I	LIFCL-40-9BG256C
LFMXO5-55T-7BBG400C	LFD2NX-35-8BG484C	LIFCL-17-7UWG72C	LIFCL-40-9BG256I
LFMXO5-55T-7BBG400I	LFD2NX-35-8BG484I	LIFCL-17-8UWG72C	LIFCL-40-7BG400C
LFMXO5-55T-8BBG400C	LFD2NX-35-9BG484C	LIFCL-17-8UWG72I	LIFCL-40-7BG400I
LFMXO5-55T-8BBG400I	LFD2NX-35-9BG484I	LIFCL-33-8USG84C	LIFCL-40-8BG400C
LFMXO5-55T-9BBG400C	LFD2NX-65-7BG484C	LIFCL-33-8USG84I	LIFCL-40-8BG400I
LFMXO5-55T-9BBG400I	LFD2NX-65-7BG484I	LIFCL-33U-8USG84C	LIFCL-40-9BG400C
LFMXO5-55TD-8BBG400C	LFD2NX-65-8BG484C	LIFCL-33U-8USG84I	LIFCL-40-9BG400I
LFMXO5-55TD-8BBG400I	LFD2NX-65-8BG484I	LIFCL-33U-9USG84C	LIFCL-40-7MG289C
LFMXO5-55TD-9BBG400C	LFD2NX-65-9BG484C	LIFCL-33U-9USG84I	LIFCL-40-7MG289I
LFMXO5-55TD-9BBG400I	LFD2NX-65-9BG484I	LFD2NX-28-7BG196A	LIFCL-40-8MG289C
LFD2NX-15-7BG400C	LFMXO5-35T-7BBG484C	LFD2NX-28-7BG256A	LIFCL-40-8MG289I
LFD2NX-15-7BG400I	LFMXO5-35T-7BBG484I	LFD2NX-40-7BG196A	LIFCL-40-9MG289C
LFD2NX-15-8BG400C	LFMXO5-35T-8BBG484C	LFD2NX-40-7BG256A	LIFCL-40-9MG289I
LFD2NX-15-8BG400I	LFMXO5-35T-8BBG484I	LIFCL-40-7BG256A	LFMXO5-65T-8BBG256C
LFD2NX-15-9BG400C	LFMXO5-35T-9BBG484C	LFD2NX-28-7BG196C	LFMXO5-65T-8BBG256I
LFD2NX-15-9BG400I	LFMXO5-35T-9BBG484I	LFD2NX-28-7BG196I	LFMXO5-65T-9BBG256C
LFD2NX-25-7BG400C	LFMXO5-65T-7BBG484C	LFD2NX-28-8BG196C	LFMXO5-65T-9BBG256I
LFD2NX-25-7BG400I	LFMXO5-65T-7BBG484I	LFD2NX-28-8BG196I	LFMXO5-35T-8BBG256C
LFD2NX-25-8BG400C	LFMXO5-65T-8BBG484C	LFD2NX-28-9BG196C	LFMXO5-35T-8BBG256I
LFD2NX-25-8BG400I	LFMXO5-65T-8BBG484I	LFD2NX-28-9BG196I	LFMXO5-35T-9BBG256C
LFD2NX-25-9BG400C	LFMXO5-65T-9BBG484C	LFD2NX-28-7BG256C	LFMXO5-35T-9BBG256I
LFD2NX-25-9BG400I			