

September 28, 2020

**Subject: PCN#01A-20 Notification of Removal of Device Backside Mark on all Lattice QFP Products**

Dear Lattice Customer,









Lattice is providing this notification of our intent to remove the backside marking for Lattice Quad Flat Pack (QFP) products. The backside marking removal will be a gradual transition until existing inventories have been exhausted. The manufacturing process will be changed on or after December 28, 2020 and the realization of the removal by the customer will be a gradual transition over time, depending on the individual products' inventory levels.

Backside marking consists of the Date Code (YYWW) and Assembly Lot number. These are both being marked in package assembly. Currently, backside marking is utilized only for internal traceability. The device and assembly lot will maintain traceability with the Inspection Lot (topside lot number). The change is aimed to standardize with current industry practices.

- **CURRENT SAMPLE MARKING**

Backside marking removal changes in this PCN apply to all affected Lattice QFP devices.

**Table 1.** Sample of affected package types

<b>TQFP 48 7X7</b>		<b>TQFP 44 10X10</b>	
Backside	Topside	Backside	Topside
			
<b>LQFP 100 14X14</b>		<b>LQFP 144 20X20</b>	
Backside	Topside	Backside	Topside
			

**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

Marking changes in this PCN apply to all affected Lattice QFP devices. The Ordering Part Numbers (OPNs) affected by this PCN are listed in an Excel spreadsheet [here](#). 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.

**Table 2.** Affected package types

Leadcount / Package Size	LQFP	PQFP	TQFP
<b>44L</b>			
10x10mm			Yes
<b>48L</b>			
7x7mm	Yes		Yes
<b>100L</b>			
14X14mm	Yes		Yes
14x20mm		Yes	
<b>128L</b>			
14x14mm	Yes		
<b>144L</b>			
20x20mm	Yes		
<b>176L</b>			
24x24mm	Yes		
<b>208L</b>			
28x28mm		Yes	

## **TIMING**

This change is effective 90 days after the date of this notice. As stated earlier, specific conversions will be a function of existing inventories.

## **RESPONSE**

No response is required.

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 [pcn@latticesemi.com](mailto:pcn@latticesemi.com).

Sincerely,

Lattice Semiconductor PCN Administration