



July 31, 2012

**Subject: PCN# 14A-12 Notification of Intent to Discontinue Select Devices in the iCE40 Product Family**

Dear Lattice Customer,

Lattice is providing this notification of our intent to discontinue select devices in the iCE40™ product family. This pertains to the discontinuance of the 640 macrocell density.

**Affected Products**

The Ordering Part Numbers (OPNs) affected by this PCN, along with recommended replacement alternatives, are listed in Exhibit “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. All recommended alternatives are pin compatible and will require the generation of a new bitmap file.

**Discontinuance Timing**

Customers will have 3 months to place their last time buy (LTB) orders for these devices. All LTB orders for these devices will be non-cancelable and non-returnable. All LTB orders must be placed no later than October 29, 2012 (3 months after the date of this notice) with all deliveries taken no later than January 28, 2013 (6 months after the date of this notice). Orders received after October 29, 2012 will only be accepted based on available on-hand inventory.

**Discontinuance Timing – Summary**

<b>Last Time Buy Order Date</b>	<b>October 29, 2012</b>
<b>Last Shipment Date</b>	<b>January 28, 2013</b>

**Response**

In accordance with JESD48B, 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.

**Contact**

If you have any questions or require additional information, please contact [pcn@latticesemi.com](mailto:pcn@latticesemi.com).

Sincerely,

Lattice Semiconductor PCN Administration

**Exhibit A – Discontinued Device and Recommended Alternative List**

Discontinued Device			Recommended Alternative		
Device	Package	Ordering Part Number	Device	Package	Ordering Part Number
iCE40HX640	100-TQFP	iCE40HX640-VQ100	iCE40HX1K	100-TQFP	iCE40HX1K-VQ100
iCE40LP640	36-CBGA	iCE40LP640-CM36	iCE40LP1K	36-CBGA	iCE40LP1K-CM36
	49-CBGA	iCE40LP640-CM49		49-CBGA	iCE40LP1K-CM49
	81-CBGA	iCE40LP640-CM81		81-CBGA	iCE40LP1K-CM81

**Note:** 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 above.