



Advance Product Change Notification

201509016A

Issue Date: 03-Oct-2015

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QUALITY

Management Summary

Microcontroller products LPC18(S)x0 and LPC43(S)x0 will be sourced from the new product version Rev "D".

Currently released version is Rev. "C".

Change Category

<input type="checkbox"/> Wafer Fab process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input checked="" type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Electrical spec./Test coverage	<input type="checkbox"/> Mechanical Specification
<input type="checkbox"/> Wafer Fab location	<input type="checkbox"/> Assembly Location	<input type="checkbox"/> Test Location	<input type="checkbox"/> Packing/Shipping/Labeling

LPC18(S)x0 and LPC43(S)x0 change from Rev "C" to Rev "D"

Details of this Planned Change

Microcontroller products LPC18(S)x0 and LPC43(S)x0 will be sourced from the new product version Rev "D".

Currently released version is Rev "C".

- No wafer fab location or process change.

- These changes fix the following known functional deviations as documented in the device errata:
OTP.1 - OTP ROM driver may not program boot source
OTP.2 - Repeated power cycling of the device may cause erroneous programming of the OTP banks
USBROM.2 - Nested NAK handling of EP0 OUT endpoint
USBROM.3 - Isochronous transfers
ISP.1 - Part ID format incorrect
ISP.2 - "J" command in ISP mode swaps last two items

- device functionality has only changed to fix the errata items identified above.

Why do we Plan this Change

To fix known functional deviations as documented in the errata sheets.

Identification of Affected Products

Top side marking

Product Availability

Sample Information

Sample planning follows with the final PCN

Impact

Although the new product revision is expected to be electrically identical it is recommended that customers fully characterize the change in their applications.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

Timing and Logistics

The Self Qualification Report will be ready on 23-Nov-2015.

The Final PCN is planned to be issued on: 23-Nov-2015.

Your acknowledgement of this change, conform JEDEC JESD46 D, is expected till 02-Nov-2015.

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

Name Tim Camenzind

Position Senior Quality Engineer

e-mail address tim.camenzind@nxp.com

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High Tech Campus, 5656 AG Eindhoven, The Netherlands

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Changed Orderable Part#

LPC43S50FET180E
LPC1850FET256,551
LPC18S10FET100E
LPC18S30FET256E
LPC43S20FBD144E
LPC18S10FBD144E
LPC43S30FET256E
LPC4370FET100E
LPC4370FET256E
LPC4320FBD144,551
LPC4330FBD144,551
LPC4330FET180,551
LPC4330FET100,551
LPC43S50FET256,551
LPC4350FET256,551
LPC4330FET256,551
LPC4320FET100,551
LPC4310FET100,551
LPC1850FET256,551
LPC1830FET256,551
LPC43S50FET180E
LPC18S50FET180E
LPC18S10FET100E
LPC18S30FET256E
LPC43S20FBD144E
LPC18S10FBD144E
LPC43S30FET256E
LPC4370FET100E
LPC4370FET256E
LPC4320FBD144,551
LPC4330FBD144,551
LPC4330FET180,551
LPC4330FET100,551
LPC43S50FET256,551
LPC4350FET256,551
LPC18S50FET180E