



Final Product Change Notification

202303028F01 : LPC553x Revision Change to 1B

Note: This notice is NXP Company Proprietary.

Issue Date: May 04, 2023 **Effective date:** Aug 02, 2023

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Management summary

Microcontroller product LPC553x will be sourced from the new product revision "1B" to resolve the ADC.1 and CRP.1 errata.

Change Category

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

PCN Overview

Description

Microcontroller product LPC553x will be sourced from the new product revision "1B".

- This design change fixes the ADC.1 and CRP.1 errata as documented in the device errata sheet.
- I3C clock function has also been added on PIO0_31 as described in Table3 of the data sheet.
- The BOD thresholds have been adjusted as shown in Table 45 in the data sheet.
- Product revision "1B" is fully backward compatible.

The following errata sheet and data sheet have been updated:

LPC553x errata sheet has been updated to rev 1.4.

https://www.nxp.com/docs/en/errata/LPC553x_ES.pdf

LPC553x data sheet has been updated to rev 4.0. This release also includes datasheet revision 3.0 changes. <https://www.nxp.com/docs/en/data-sheet/LPC553x.pdf>

Reason

To fix the ADC.1 and CRP.1 functional deviations as documented in the errata sheet and to add the BOD updates and I3C clock function on PIO0_31 as described in the data sheet.

Identification of Affected Products

Top Side Marking

The last characters of the last line of the top side marking change from "0A" to "1B".

Product Availability

Sample Information

Samples are available upon request

Production

Planned first shipment May 01, 2023

Anticipated Impact on Form, Fit, Function, Reliability or Quality

The design change resolved the ADC.1 and CRP.1 errata described in the errata sheet, modified the BOD thresholds and added the I3C clock function on PIO0_31 as described in the data sheet.

Disposition of Old Products

Existing inventory will be shipped until depleted

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Jun 03, 2023.

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.

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NXP Quality Management Team.

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NXP Semiconductors
High Tech Campus, 5656 AG Eindhoven, The Netherlands

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**Orderable Part
Number#**

12NC

LPC5536JBD64MP	935385031528
LPC5536JBD64E	935385031551
LPC5536JBD64K	935385031557
LPC5534JBD64MP	935385032528
LPC5534JBD64E	935385032551
LPC5534JBD64K	935385032557
LPC5534JBD100MP	935385094528
LPC5534JBD100E	935385094551
LPC5534JBD100K	935385094557
LPC5536JBD100MP	935385095528
LPC5536JBD100E	935385095551
LPC5536JBD100K	935385095557
LPC5534JHI48MP	935427655528
LPC5536-EVK	935435826598
LPC5534JHI48/00MP	935435977528
LPC5534JHI48/00E	935435977551
LPC5534JHI48/00K	935435977557
LPC5536JHI48/00MP	935435978528
LPC5536JHI48/00E	935435978551
LPC5536JHI48/00K	935435978557