Final Product Change Notification | 201804020F01

Issue Date: 01-Oct-2018
Effective Date: 29-Dec-2018

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QUALITY

Change Category

[ ] Wafer Fab Process	[ ] Assembly Process	[ ] Product Marking	[ ] Test Location	[X] Design
[ ] Wafer Fab Materials	[ ] Assembly Materials	[ ] Mechanical Specification	[ ]Test Process	[ ] Errata
[ ] Wafer Fab Location	[ ] Assembly Location	[ ] Packing/Shipping/Labeling	[ ] Test Equipment	[X] Electrical spec./Test coverage
[ ] Firmware	[ ] Other			

LPC804 Change to Revision 1B

Description of Change

Microcontroller product LPC804 will be sourced from the new product version Rev "1B".

- This change resolves the known functional deviation DPD.1 as documented in the device errata and improves ADC off-set error to ± 3LSB.
DPD.1: Port pin PIO0_4 cannot be used to wake up the device from deep power-down mode.
- No wafer fab location or process change.
- Device functionality does not change.

LPC804 Datasheet will be updated to revision 1.4. The revision history included in the updated document provides a detailed description of the changes. The updated Datasheet can be found at: https://www.nxp.com/docs/en/data-sheet/LPC804.pdf. A summary of the document changes is attached to this notice.

Reason for Change

To resolve known functional deviation DPD.1 as documented in the errata and to provide additional technical clarification on some device features in the datasheet.

Identification of Affected Products

Top side marking
Refer to Remarks section for detail.

Product Availability

Sample Information
Samples are available upon request
Production
Planned first shipment 31-Dec-2018

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

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
A new datasheet will be issued
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 30-Oct-2018.

Remarks

The product version is reflected in the last 2 characters of the last line on the marking:
For the part LPC804M101JHI33, LPC804M101JDH24, LPC804M111JDH24 and LPC804M101JDH20, the last 2 characters of the last line will be changed from "1A" to "1B".
For sample availability please contact your local distributor or NXP Sales.

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   Xin Cui
Position   Product Engineer
e-mail address   xin.cui@nxp.com
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NXP Quality Management Team.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
LPC804M101JDH20FP	935346814129	LPC804M101JDH20	32-bit ARM Cortex-M0+	SOT360-1	TSSOP20	RFS	BL Microcontrollers
LPC804M111JDH24FP	935346817129	LPC804M111JDH24	32-bit ARM Cortex-M0+	SOT355-1	TSSOP24	RFS	BL Microcontrollers
LPC804M101JHI33E	935346816551	LPC804M101JHI33	32-bit ARM Cortex-M0+	SOT617-11	HVQFN32	RFS	BL Microcontrollers
LPC804M101JDH24FP	935346815129	LPC804M101JDH24	32-bit ARM Cortex-M0+	SOT355-1	TSSOP24	RFS	BL Microcontrollers