Customer Information Notification | 202008008I

Issue Date: 27-Aug-2020
Effective Date: 28-Aug-2020

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Management Summary

The LPC11U6x and LPC11E6x datasheets have been updated for RTC component recommendations.

Change Category

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

LPC11U6x and LPC11E6x Datasheet Update for RTC Component Recommendations

Description

The LPC11U6x and LPC11E6x datasheets have been updated for RTC component recommendations.

The LPC11U6x datasheet has been updated to rev 1.5. The updated Section is 14.6 "RTC oscillator component selection" with frequency recommendation. The datasheet can be found on the NXP website: https://www.nxp.com/docs/en/data-sheet/LPC11U6X.pdf

The LPC11E6x datasheet has been updated to rev 1.5. The updated Section is 14.5 "RTC oscillator component selection" with frequency recommendation. The datasheet can be found on the NXP website: https://www.nxp.com/docs/en/data-sheet/LPC11E6X.pdf

Reason

To achieve the best performance and accurate frequency, it is recommended to use Cx1= Cx2 = 24 pF and CL = 12 pF.

Identification of Affected Products
Product identification does not change

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

No impact on form, fit, function, reliability or quality.
No impact to existing customers who have validated their RTC circuit. For new customer applications it is recommended to use Cx1 = Cx2 = 24pF and CL = 12 pF for freq. accuracy.

Data Sheet Revision
A new datasheet will be issued

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:
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Customer Focus, Passion to Win.

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
LPC11E67JBD48E	935302495551	LPC11E67JBD48	32-bit ARM M0+	SOT313-2	LQFP48	RFS	MCUs
LPC11U68JBD64K	935302501557	LPC11U68JBD64	32-bit ARM M0+	SOT314-2	LQFP64	RFS	MCUs
LPC11U68JBD48E	935303821551	LPC11U68JBD48	32-bit ARM M0+	SOT313-2	LQFP48	RFS	MCUs
LPC11E66JBD48E	935304415551	LPC11E66JBD48	32-bit ARM M0+	SOT313-2	LQFP48	RFS	MCUs
LPC11U67JBD64E	935304418551	LPC11U67JBD64	32-bit ARM M0+	SOT314-2	LQFP64	RFS	MCUs
LPC11U68JBD64E	935302501551	LPC11U68JBD64	32-bit ARM M0+	SOT314-2	LQFP64	RFS	MCUs
LPC11U67JBD100E	935304421551	LPC11U67JBD100	32-bit ARM M0+	SOT407-1	LQFP100	RFS	MCUs
LPC11U68JBD100E	935302497551	LPC11U68JBD100	32-bit ARM M0+	SOT407-1	LQFP100	RFS	MCUs
LPC11E67JBD64E	935304417551	LPC11E67JBD64	32-bit ARM M0+	SOT314-2	LQFP64	RFS	MCUs
LPC11E67JBD100E	935304419551	LPC11E67JBD100	32-bit ARM M0+	SOT407-1	LQFP100	RFS	MCUs
LPC11U66JBD48E	935304435551	LPC11U66JBD48	32-bit ARM M0+	SOT313-2	LQFP48	RFS	MCUs
LPC11U68JBD100K	935302497557	LPC11U68JBD100	32-bit ARM M0+	SOT407-1	LQFP100	RFS	MCUs
LPC11U67JBD48E	935302193551	LPC11U67JBD48	32-bit ARM M0+	SOT313-2	LQFP48	RFS	MCUs
LPC11E68JBD48E	935304416551	LPC11E68JBD48	32-bit ARM M0+	SOT313-2	LQFP48	RFS	MCUs