



Customer Information Notification

2021080011 : LPC55(S)0x, LPC55(S)1x, LPC55(S)2x and LPC55S6x Errata Sheets and Datasheets Updated with VBAT_DCDC.1 Errata and the VBAT Power-up Ramp Conditions

Note: This notice is NXP Company Proprietary.

Issue Date: Sep 01, 2021 **Effective date:** Sep 02, 2021

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Management summary

The LPC55(S)0x, LPC55(S)1x, LPC55(S)2x and LPC55S6x errata sheets and datasheets have been updated to add the VBAT_DCDC.1 errata and the VBAT power-up ramp conditions.

Change Category

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Process	<input 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 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 checked="" type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware	<input type="checkbox"/> Other			

PCN Overview

Description

The following datasheets and errata sheets have been updated:

The LPC55S0x, LPC550x datasheet is updated to rev 1.2, https://www.nxp.com/docs/en/data-sheet/LPC55S0x_LPC550x_DS.pdf
The LPC55S0x, LPC550x errata sheet is updated to rev 1.2, https://www.nxp.com/docs/en/nxp/errata/LPC55S0x_LPC550x_ES.pdf
The LPC55S1x, LPC551x datasheet is updated to rev 1.6, https://www.nxp.com/docs/en/nxp/data-sheets/LPC55S1x_LPC551x_DS.pdf
The LPC55S1x, LPC551x errata sheet is updated to rev 1.5, https://www.nxp.com/docs/en/nxp/errata/LPC55S1x_LPC551x_ES.pdf
The LPC55S2x, LPC552x data sheet is updated to rev 2.1, https://www.nxp.com/docs/en/nxp/data-sheets/LPC55S2x_LPC552x_DS.pdf
The LPC55S2x, LPC552x errata sheet is updated to rev 1.9, https://www.nxp.com/docs/en/nxp/errata/LPC55S2x_LPC552x_ES.pdf
The LPC55S6x datasheet is updated to rev 2.3, https://www.nxp.com/docs/en/nxp/data-sheets/LPC55S6x_DS.pdf
The LPC55S6x errata sheet is updated to rev 2.2, https://www.nxp.com/docs/en/nxp/errata/LPC55S6x_ES.pdf

The revision history included in the updated documents provide detailed descriptions of the changes.

Reason

To add the VBAT_DCDC.1 errata in the errata sheets and add the VBAT power-up ramp conditions in the datasheets.

Identification of Affected Products

Product identification does not change

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

See the VBAT_DCDC.1 errata

Data Sheet Revision

A new datasheet will be issued

Additional information

Additional documents: [view online](#)

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 NXP Tech Support
Position NXP Technical Support
e-mail address <https://www.nxp.com/support/support:SUPPORTHOME>

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NXP Quality Management Team.

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description
LPC5502JBD64E	935408614551	LPC5502JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5502JBD64K	935408614557	LPC5502JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5502JBD64Y	935408614518	LPC5502JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5502JHI48EL	935408615157	LPC5502JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC5502JHI48J	935408615118	LPC5502JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC5502JHI48QL	935408615151	LPC5502JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC5504JBD64E	935408617551	LPC5504JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5504JBD64K	935408617557	LPC5504JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5504JBD64Y	935408617518	LPC5504JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5504JHI48EL	935408618157	LPC5504JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC5504JHI48J	935408618118	LPC5504JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC5504JHI48QL	935408618151	LPC5504JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC5506JBD64E	935408621551	LPC5506JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5506JBD64K	935408621557	LPC5506JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5506JBD64Y	935408621518	LPC5506JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5506JHI48EL	935408622157	LPC5506JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC5506JHI48J	935408622118	LPC5506JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC5506JHI48QL	935408622151	LPC5506JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC5512JBD100E	935385091551	LPC5512JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5512JBD100K	935385091557	LPC5512JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5512JBD100Y	935385091518	LPC5512JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5512JBD64E	935385027551	LPC5512JBD64	32-bit ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5512JBD64K	935385027557	LPC5512JBD64	32-bit ARM Cortex-M33	H(T)QFP64	SOT855-5

LPC5512JBD64Y	935385027518	LPC5512JBD64	32-bit ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5514JBD100E	935385092551	LPC5514JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
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LPC5514JBD100Y	935385092518	LPC5514JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5514JBD64E	935385028551	LPC5514JBD64	32-bit ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5514JBD64K	935385028557	LPC5514JBD64	32-bit ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5514JBD64Y	935385028518	LPC5514JBD64	32-bit ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5516JBD100E	935385093551	LPC5516JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5516JBD100K	935385093557	LPC5516JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5516JBD100Y	935385093518	LPC5516JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5516JBD64E	935385029551	LPC5516JBD64	32-bit ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5516JBD64K	935385029557	LPC5516JBD64	32-bit ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5516JBD64Y	935385029518	LPC5516JBD64	32-bit ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5516JEV98E	935385879551	LPC5516JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1
LPC5516JEV98K	935385879557	LPC5516JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1
LPC5516JEV98Y	935385879518	LPC5516JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1
LPC5526JBD100E	935352644551	LPC5526JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5526JBD100K	935352644557	LPC5526JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5526JBD100Y	935352644518	LPC5526JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5526JBD64E	935380556551	LPC5526JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5526JBD64K	935380556557	LPC5526JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5526JBD64Y	935380556518	LPC5526JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5526JEV98E	935386789551	LPC5526JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1
LPC5526JEV98K	935386789557	LPC5526JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1
LPC5526JEV98Y	935386789518	LPC5526JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1
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LPC5528JBD100K	935352645557	LPC5528JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5528JBD100Y	935352645518	LPC5528JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3
LPC5528JBD64E	935380555551	LPC5528JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5528JBD64K	935380555557	LPC5528JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC5528JBD64Y	935380555518	LPC5528JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
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LPC5528JEV98K	935386791557	LPC5528JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1
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LPC55S04JBD64K	935408609557	LPC55S04JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC55S04JBD64Y	935408609518	LPC55S04JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC55S04JHI48EL	935408611157	LPC55S04JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC55S04JHI48J	935408611118	LPC55S04JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC55S04JHI48QL	935408611151	LPC55S04JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC55S06JBD64E	935408612551	LPC55S06JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC55S06JBD64K	935408612557	LPC55S06JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC55S06JBD64Y	935408612518	LPC55S06JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5
LPC55S06JHI48EL	935408613157	LPC55S06JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC55S06JHI48J	935408613118	LPC55S06JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28

LPC55S06JHI48QL	935408613151	LPC55S06JHI48	32-bit ARM Cortex-M0+	H(V)QFN48	SOT619-28
LPC55S14JBD100E	935385877551	LPC55S14JBD100	32-bit ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S14JBD100K	935385877557	LPC55S14JBD100	32-bit ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S14JBD100Y	935385877518	LPC55S14JBD100	32-bit ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S14JBD64E	935385878551	LPC55S14JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S14JBD64K	935385878557	LPC55S14JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S14JBD64Y	935385878518	LPC55S14JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S16JBD100E	935385874551	LPC55S16JBD100	32-bit ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S16JBD100K	935385874557	LPC55S16JBD100	32-bit ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S16JBD100Y	935385874518	LPC55S16JBD100	32-bit ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S16JBD64E	935385876551	LPC55S16JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S16JBD64K	935385876557	LPC55S16JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S16JBD64Y	935385876518	LPC55S16JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S16JEV98E	935385875551	LPC55S16JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S16JEV98K	935385875557	LPC55S16JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S16JEV98Y	935385875518	LPC55S16JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S26JBD100E	935380548551	LPC55S26JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S26JBD100K	935380548557	LPC55S26JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S26JBD100Y	935380548518	LPC55S26JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S26JBD64E	935380547551	LPC55S26JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S26JBD64K	935380547557	LPC55S26JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S26JBD64Y	935380547518	LPC55S26JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S26JEV98E	935384769551	LPC55S26JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S26JEV98K	935384769557	LPC55S26JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S26JEV98Y	935384769518	LPC55S26JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S28JBD100E	935380552551	LPC55S28JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S28JBD100K	935380552557	LPC55S28JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S28JBD100Y	935380552518	LPC55S28JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3

LPC55S28JBD64E	935380551551	LPC55S28JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S28JBD64K	935380551557	LPC55S28JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S28JBD64Y	935380551518	LPC55S28JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
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LPC55S28JJEV98K	935384771557	LPC55S28JJEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S28JJEV98Y	935384771518	LPC55S28JJEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S66BD100/CP3K	935392625557	LPC55S66BD100/CP3370	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S66JBD100E	935376396551	LPC55S66JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S66JBD100K	935376396557	LPC55S66JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S66JBD100Y	935376396518	LPC55S66JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S66JBD64E	935387731551	LPC55S66JBD64	Arm Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S66JBD64K	935387731557	LPC55S66JBD64	Arm Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S66JBD64Y	935387731518	LPC55S66JBD64	Arm Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5
LPC55S66JJEV98E	935384772551	LPC55S66JJEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S66JJEV98K	935384772557	LPC55S66JJEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S66JJEV98Y	935384772518	LPC55S66JJEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1
LPC55S69BD100/CP3K	935392626557	LPC55S69BD100/CP3371	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S69BD100/CP3Y	935392626518	LPC55S69BD100/CP3371	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S69JBD100E	935376394551	LPC55S69JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S69JBD100K	935376394557	LPC55S69JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
LPC55S69JBD100Y	935376394518	LPC55S69JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3
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LPC55S69JJEV98Y	935384773518	LPC55S69JJEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1