



Customer Information Notification

2024090051 : LPC55S6x LPC55(S)2x Datasheet, Errata Sheet and User Manual Update to Add VFBGA59

Note: This notice is NXP Company Proprietary.

Issue Date: Oct 10, 2024 **Effective Date:** Oct 11, 2024

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Management summary

The LPC55S6x and LPC55(S)2x datasheets, errata sheets and user manual have been updated to add information for VFBGA59.

Change Category

☐ Wafer Fab Process	☐ Assembly Process	☐ Product Marking	☐ Test Process	☐ Design
☐ Wafer Fab Materials	☐ Assembly Materials	☐ Mechanical Specification	☐ Test Equipment	☐ Errata
☐ Wafer Fab Location	☐ Assembly Location	☐ Packing/Shipping/Labeling	☐ Test Location	☐ Electrical spec./Test coverage

☐ Firmware ☒ Other: Document updates

Notification Overview

Description

The LPC55S6x and LPC55(S)2x datasheets, errata sheets and user manual have been updated to add information for VFBGA59.

The LPC55S6x datasheet has been updated to rev 2.5: <https://www.nxp.com/docs/en/data-sheet/LPC55S6x.pdf>

The LPC55S6x errata sheet has been updated to rev 2.9:
https://www.nxp.com/docs/en/errata/ES_LPC55S6X.pdf

The LPC55S2x/LPC552x datasheet has been updated to rev 2.3:
https://www.nxp.com/docs/en/nxp/data-sheets/LPC55S2x_LPC552x.pdf
The LPC55S2x/LPC552x errata sheet has been updated to rev 2.6:
https://www.nxp.com/docs/en/nxp/errata/LPC55S2x_LPC552x_ES.pdf

The LPC55S6x/LPC55S2x/LPC552x user manual has been updated to rev 2.7:
<https://www.nxp.com/webapp/Download?colCode=UM11126&location=null>

Reason

To provide information on the newly released VFBGA59 package options.

Identification of Affected Products

Top Side Marking

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

No Impact on form, fit, function, reliability or quality

Data Sheet Revision

A new data sheet 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	Tim Camenzind
Position	Quality Manager
e-mail address	tim.camenzind@nxp.com

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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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12NC	Orderable Part Number	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
935462181518	LPC5528JEV59Y	LPC5528JEV59	Cortex-M33, NonAuto	(V)FBGA59M	SOT2162-1	RFS	No	BLM1
935462181551	LPC5528JEV59E	LPC5528JEV59	Cortex-M33, NonAuto	(V)FBGA59M	SOT2162-1	RFS	No	BLM1
935462188518	LPC55528JEV59Y	LPC55528JEV59	Cortex-M33,Bosch CAN FD NonAuto	(V)FBGA59M	SOT2162-1	RFS	No	BLM1
935462188551	LPC55528JEV59E	LPC55528JEV59	Cortex-M33,Bosch CAN FD NonAuto	(V)FBGA59M	SOT2162-1	RFS	No	BLM1
935462189518	LPC55569JEV59Y	LPC55569JEV59	Cortex-M33,Bosch CAN FD NonAuto	(V)FBGA59M	SOT2162-1	RFS	No	BLM1
935462189551	LPC55569JEV59E	LPC55569JEV59	Cortex-M33,Bosch CAN FD NonAuto	(V)FBGA59M	SOT2162-1	RFS	No	BLM1
935464305518	LPC55566JEV59Y	LPC55566JEV59	Cortex-M33,Bosch CAN FD NonAuto	(V)FBGA59M	SOT2162-1	RFS	No	BLM1
935464305551	LPC55566JEV59E	LPC55566JEV59	Cortex-M33,Bosch CAN FD NonAuto	(V)FBGA59M	SOT2162-1	RFS	No	BLM1
935376394518	LPC55569JBD100Y	LPC55569JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935376394551	LPC55569JBD100E	LPC55569JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935376394557	LPC55569JBD100K	LPC55569JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935376396518	LPC55566JBD100Y	LPC55566JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935376396551	LPC55566JBD100E	LPC55566JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935376396557	LPC55566JBD100K	LPC55566JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935384772518	LPC55566JEV98Y	LPC55566JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935384772551	LPC55566JEV98E	LPC55566JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935384772557	LPC55566JEV98K	LPC55566JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935384773518	LPC55569JEV98Y	LPC55569JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935384773551	LPC55569JEV98E	LPC55569JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935384773557	LPC55569JEV98K	LPC55569JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935387729518	LPC55569JBD64Y	LPC55569JBD64	Arm Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935387729551	LPC55569JBD64E	LPC55569JBD64	Arm Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935387729557	LPC55569JBD64K	LPC55569JBD64	Arm Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935387731518	LPC55566JBD64Y	LPC55566JBD64	Arm Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935387731551	LPC55566JBD64E	LPC55566JBD64	Arm Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935387731557	LPC55566JBD64K	LPC55566JBD64	Arm Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935392625557	LPC55566BD100/CP3K	LPC55566BD100/CP3370	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935392626518	LPC55569BD100/CP3Y	LPC55569BD100/CP3371	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935392626557	LPC55569BD100/CP3K	LPC55569BD100/CP3371	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935380547518	LPC55526JBD64Y	LPC55526JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380547551	LPC55526JBD64E	LPC55526JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380547557	LPC55526JBD64K	LPC55526JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380548518	LPC55526JBD100Y	LPC55526JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935380548551	LPC55526JBD100E	LPC55526JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935380548557	LPC55526JBD100K	LPC55526JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935380551518	LPC55528JBD64Y	LPC55528JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380551551	LPC55528JBD64E	LPC55528JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380551557	LPC55528JBD64K	LPC55528JBD64	32-bit ARM Cortex-M33, QDDKEY/PUF	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380552518	LPC55528JBD100Y	LPC55528JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935380552551	LPC55528JBD100E	LPC55528JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935380552557	LPC55528JBD100K	LPC55528JBD100	ARM Cortex-M33, QDDKEY/PUF	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935384769518	LPC55526JEV98Y	LPC55526JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935384769551	LPC55526JEV98E	LPC55526JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935384769557	LPC55526JEV98K	LPC55526JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935384771518	LPC55528JEV98Y	LPC55528JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935384771551	LPC55528JEV98E	LPC55528JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935384771557	LPC55528JEV98K	LPC55528JEV98	32-bit ARM Cortex-M33, QDDKEY/PUF	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935352644518	LPC5526JBD100Y	LPC5526JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935352644551	LPC5526JBD100E	LPC5526JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935352644557	LPC5526JBD100K	LPC5526JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935352645518	LPC5528JBD100Y	LPC5528JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935352645551	LPC5528JBD100E	LPC5528JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935352645557	LPC5528JBD100K	LPC5528JBD100	32-bit ARM Cortex-M33	H(L)QFP100	SOT1570-3	RFS	No	BLM1
935380555518	LPC5528JBD64Y	LPC5528JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380555551	LPC5528JBD64E	LPC5528JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380555557	LPC5528JBD64K	LPC5528JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380556518	LPC5526JBD64Y	LPC5526JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380556551	LPC5526JBD64E	LPC5526JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5	RFS	No	BLM1
935380556557	LPC5526JBD64K	LPC5526JBD64	ARM Cortex-M33	H(T)QFP64	SOT855-5	RFS	No	BLM1
935386789518	LPC5526JEV98Y	LPC5526JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935386789551	LPC5526JEV98E	LPC5526JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935386789557	LPC5526JEV98K	LPC5526JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935386791518	LPC5528JEV98Y	LPC5528JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935386791551	LPC5528JEV98E	LPC5528JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1	RFS	No	BLM1
935386791557	LPC5528JEV98K	LPC5528JEV98	32-bit ARM Cortex-M33	(V)FBGA98M	SOT1982-1	RFS	No	BLM1