



Customer Information Notification

202210012I : S32K3xx Datasheet and Reference Manual Update

Note: This notice is NXP Company Proprietary.

Issue Date: Nov 03, 2022 **Effective date:** Nov 04, 2022

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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: Datasheet and Reference Manual Update

PCN Overview

Description

NXP Semiconductors announces an update of the Datasheet and Reference Manual for S32K344 257MAPBGA and 172MAXQFP and S32K312 172MAXQFP.

The Datasheet will be updated from Rev4 to Rev5.2.
The Reference Manual will be updated from Rev4 to Rev5.

The revision history (Appendix) included in the updated document provides a detailed description of the changes.

The updated S32K3xx Datasheet and Reference Manual can be found at:
<https://www.nxp.com/products/processors-and-microcontrollers/arm-microcontrollers/s32k-general-purpose-mcus/s32k3-microcontrollers-for-general-purpose:S32K3>

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02.

Reason

The Datasheet and Reference Manual have been updated to provide additional technical clarification.

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

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	tech.support@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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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
S32K344NHT1MPBST	935430497557	S32K344NHT1MPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324EHT1MPBIT	935437558557	S32K324EHT1MPBIT	S32K324, 4MB Flash, Dual	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324EHT1MPBSR	935437129528	S32K324EHT1MPBSR	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314NGT1VPBST	935435964557	S32K314NGT1VPBST	Single Core M7, 160MHz,	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314NHT1VPBST	935430493557	S32K314NHT1VPBST	S32K314, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314NGT1VPBSR	935435964528	S32K314NGT1VPBSR	Single Core M7, 160MHz,	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324EHT1VPBST	935434684557	S32K324EHT1VPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314NHT1VPBSR	935430493528	S32K314NHT1VPBSR	S32K314, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314EHT1MPBST	935438572557	S32K314EHT1MPBST	Single core M7, 160MHz,	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314NHT1MPBST	935432213557	S32K314NHT1MPBST	S32K344 Phantom, 172 Max	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314EHT1VPBST	935430492557	S32K314EHT1VPBST	S32K314, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324EHT1MPBST	935437129557	S32K324EHT1MPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344EVT1MPBST	935436143557	S32K344EVT1MPBST	S32K344, 4MB Flash, Lock	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324NHT1MPBIT	935439766557	S32K324NHT1MPBIT	Dual core M7, 160MHz, 4M	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344EHT1MPBST	935434685557	S32K344EHT1MPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344EGT1MPBST	935436142557	S32K344EGT1MPBST	S32K344, 4MB Flash, Lock	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324NHT1VPBSR	935430495528	S32K324NHT1VPBSR	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324NHT1MPBST	935430494557	S32K324NHT1MPBST	S32K324, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344NHT1VPBST	935430498557	S32K344NHT1VPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324NHT1VPBST	935430495557	S32K324NHT1VPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344EHT1VPBST	935430496557	S32K344EHT1VPBST	4MB flash, ARM M7 Lockst	maxQFP172	SOT1940-1	ASM	No	BLAG
S32K344NHT1MPBSR	935430497528	S32K344NHT1MPBSR	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344EHT1VPBSR	935430496528	S32K344EHT1VPBSR	4MB flash, ARM M7 Lockst	maxQFP172	SOT1940-1	ASM	No	BLAG
S32K324EHT1VMMST	935430862557	S32K324EHT1VMMST	S32K324, 4MB flash, ARM	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K314EHT1MMMST	935432209557	S32K314EHT1MMMST	S32K344 Phantom, 257MAPB	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K324EHT1MMMST	935438573557	S32K324EHT1MMMST	Dual core M7, 160MHz, 4M	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K344NHT1MMMST	935430865557	S32K344NHT1MMMST	S32K344, 4MB flash, ARM	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K324NHT1MMMST	935434706557	S32K324NHT1MMMST	S32K324, 4MB flash, ARM	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K324EHT1VMMSR	935430862518	S32K324EHT1VMMSR	S32K324, 4MB flash, ARM	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K344EHT1VMMST	935430864557	S32K344EHT1VMMST	S32K344,257MAP,Prod B/D	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K344EHT1MMMST	935438574557	S32K344EHT1MMMST	Lockstep core M7, 160MHz	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K314EHT1VMMST	935430858557	S32K314EHT1VMMST	S32K314, 4MB flash, ARM	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K324NHT1VMMST	935430863557	S32K324NHT1VMMST	S32K324, 4MB flash, ARM	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K344NHT1VMMST	935430866557	S32K344NHT1VMMST	S32K344, 4MB flash, ARM	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K314NHT1MMMST	935432211557	S32K314NHT1MMMST	S32K344 Phantom, 257MAPB	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K314NHT1VMMST	935430859557	S32K314NHT1VMMST	S32K314, 4MB flash, ARM	(LJFBGA257M	SOT1547-3	RFS	No	BLAG
S32K312NGT0VPBST	935435962557	S32K312NGT0VPBST	S32K312, 2MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NGT0MPBST	935436147557	S32K312NGT0MPBST	S32K312, 2MB Flash, Sing	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NGT0VPBSR	935435962528	S32K312NGT0VPBSR	S32K312, 2MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NHT0MPBST	935436148557	S32K312NHT0MPBST	S32K312, 2MB Flash, Sing	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NHT0VPBST	935434716557	S32K312NHT0VPBST	S32K312, CES, 172 MaxQFP	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NVT0MPBST	935436149557	S32K312NVT0MPBST	S32K312, 2MB Flash, Sing	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NHT0VPBSR	935434716528	S32K312NHT0VPBSR	S32K312, CES, 172 MaxQFP	maxQFP172	SOT1940-1	RFS	No	BLAG