



Customer Information Notification

202211039I : S32K3xx Data Sheet Update From Rev 5.2 to Rev 6.0

Note: This notice is NXP Company Proprietary.

Issue Date: Dec 15, 2022 **Effective date:** Dec 16, 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: Data Sheet Update

PCN Overview

Description

NXP Semiconductors announces an update of the Data Sheet for S32K344 257MAPBGA, 172MAXQFP, S32K312 172MAXQFP and 100MAXQFP.

The Data Sheet will be updated from Rev5.2 to Rev6.

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

The updated S32K3xx Data Sheet 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 Data Sheet 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:

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NXP Quality Management Team.

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
S32K344EHT1VPBST	935430496557	S32K344EHT1VPBST	4MB flash, ARM M7 Lockst	maxQFP172	SOT1940-1	ASM	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
S32K314NHT1VPBSR	935430493528	S32K314NHT1VPBSR	S32K314, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314EHT1VPBST	935430492557	S32K314EHT1VPBST	S32K314, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344EHT1VPBSR	935430496528	S32K344EHT1VPBSR	4MB flash, ARM M7 Lockst	maxQFP172	SOT1940-1	ASM	No	BLAG
S32K324NHT1VPBST	935430495557	S32K324NHT1VPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314NHT1MPBST	935432213557	S32K314NHT1MPBST	S32K344 Phantom, 172 Max	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324EHT1MPBIT	93543758557	S32K324EHT1MPBIT	S32K324, 4MB Flash, Dual	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324NHT1MPBIR	935439766528	S32K324NHT1MPBIR	Dual core M7, 160MHz, 4M	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324NHT1MPBIT	935439766557	S32K324NHT1MPBIT	Dual core M7, 160MHz, 4M	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324EHT1MPBST	935437129557	S32K324EHT1MPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324EHT1MPBSR	935437129528	S32K324EHT1MPBSR	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344EVT1MPBST	935436143557	S32K344EVT1MPBST	S32K344, 4MB Flash, Lock	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344EGT1MPBST	935436142557	S32K344EGT1MPBST	S32K344, 4MB flash, Lock	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314NGT1VPBST	935435964557	S32K314NGT1VPBST	Single Core M7, 160MHz,	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314NGT1VPBSR	935435964528	S32K314NGT1VPBSR	Single Core M7, 160MHz,	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344EHT1MPBST	935434685557	S32K344EHT1MPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K324EHT1VPBST	935434684557	S32K324EHT1VPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314NHT1VPBST	935430493557	S32K314NHT1VPBST	S32K314, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314EHT1MPBST	935438572557	S32K314EHT1MPBST	Single core M7, 160MHz,	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344NHT1VPBST	935430498557	S32K344NHT1VPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344NHT1MPBST	935430497557	S32K344NHT1MPBST	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K344NHT1MPBSR	935430497528	S32K344NHT1MPBSR	S32K344, 4MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K314EHT1VMMST	935430858557	S32K314EHT1VMMST	S32K314, 4MB flash, ARM	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K324NHT1MMMST	935434706557	S32K324NHT1MMMST	S32K324, 4MB flash, ARM	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K344NHT1VMMST	935430866557	S32K344NHT1VMMST	S32K344, 4MB flash, ARM	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K344NHT1MMMST	935430865557	S32K344NHT1MMMST	S32K344, 4MB flash, ARM	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K324EHT1VMMST	935430862557	S32K324EHT1VMMST	S32K324, 4MB flash, ARM	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K324EHT1VMMSR	935430862518	S32K324EHT1VMMSR	S32K324, 4MB flash, ARM	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K314NHT1VMMST	935430859557	S32K314NHT1VMMST	S32K314, 4MB flash, ARM	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K314NHT1MMMST	935432211557	S32K314NHT1MMMST	S32K344 Phantom, 257MAPB	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K314EHT1MMMST	935432209557	S32K314EHT1MMMST	S32K344 Phantom, 257MAPB	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K344EHT1MMMST	935438574557	S32K344EHT1MMMST	Lockstep core M7, 160MHz	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K324EHT1MMMST	935438573557	S32K324EHT1MMMST	Dual core M7, 160MHz, 4M	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K344EHT1VMMST	935430864557	S32K344EHT1VMMST	S32K344, 257MAP, Prod B/D	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K324NHT1VMMST	935430863557	S32K324NHT1VMMST	S32K324, 4MB flash, ARM	(LFBGA257M	SOT1547-3	RFS	No	BLAG
S32K312NHTOMPASR	935438784528	S32K312NHTOMPASR	S32K312, CES, 100 MaxQFP	maxQFP100	SOT2045-1	ASM	No	BLAG
S32K312NHTOMPAST	935438784557	S32K312NHTOMPAST	S32K312, CES, 100 MaxQFP	maxQFP100	SOT2045-1	ASM	No	BLAG
S32K312NGTOMPAST	935444502557	S32K312NGTOMPAST	S32K312, CES, 100 MaxQFP	maxQFP100	SOT2045-1	ASM	No	BLAG
S32K312NHTOMPAPT	935447342557	S32K312NHTOMPAPT	S32K312, ISELED, 100 Max	maxQFP100	SOT2045-1	ASM	No	BLAG
S32K312NHTOMPAPR	935447342528	S32K312NHTOMPAPR	S32K312, ISELED, 100 Max	maxQFP100	SOT2045-1	ASM	No	BLAG
S32K312NHTOVPAST	935434715557	S32K312NHTOVPAST	S32K312, CES, 100 MaxQFP	maxQFP100	SOT2045-1	ASM	No	BLAG
S32K312NHTOVPASR	935434715528	S32K312NHTOVPASR	S32K312, CES, 100 MaxQFP	maxQFP100	SOT2045-1	ASM	No	BLAG
S32K312NVTOMPAST	935444503557	S32K312NVTOMPAST	S32K312, CES, 100 MaxQFP	maxQFP100	SOT2045-1	ASM	No	BLAG
S32K312NVTOMPBST	935436149557	S32K312NVTOMPBST	S32K312, 2MB Flash, Sing	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NHTOVVBST	935434716557	S32K312NHTOVVBST	S32K312, CES, 172 MaxQFP	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NHTOVVBSR	935434716528	S32K312NHTOVVBSR	S32K312, CES, 172 MaxQFP	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NHTOMPBST	935436148557	S32K312NHTOMPBST	S32K312, 2MB Flash, Sing	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NGTVPBST	935435962557	S32K312NGTVPBST	S32K312, 2MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NGTVPBSR	935435962528	S32K312NGTVPBSR	S32K312, 2MB flash, ARM	maxQFP172	SOT1940-1	RFS	No	BLAG
S32K312NGTOMPBST	935436147557	S32K312NGTOMPBST	S32K312, 2MB Flash, Sing	maxQFP172	SOT1940-1	RFS	No	BLAG