



Customer Information Notification

202206020I : S32K3x4 (1P55A) Standard Devices sBAF/ Firmware/ Crypto Driver Update

Note: This notice is NXP Company Proprietary.

Issue Date: Jul 13, 2022 **Effective date:** Jul 14, 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			

PCN Overview

Description

NXP Semiconductors announces the sBAF update from 0x00000500_0x0040900 to 0x00000500_0x3000A00 for the S32K3x4 (1P55A) products listed in this notification.

sBAF devices can be distinguished by date code marking. The sBAF update will be effective starting date code 2223.

Due to the sBAF update, the HSE_B firmware (FW) must be updated from HSE_0_1.1.0 to HSE_0_2.1.0.

The corresponding S32K3x4 Standard Crypto driver will be released with S32K3 Real-Time Drivers Version 2.0.1 to support sBAF and Firmware update.

The updated document titled "HSE_B Firmware Reference Manual" is located at: <https://www.nxp.com/products/processors-and-microcontrollers/s32-automotive-platform/s32k-general-purpose-mcus/s32k3-microcontrollers-for-general-purpose:S32K3> under "Secure Files" section.

Note: To access Secure Files, secure access rights are required. First time registration steps can be found at: <https://www.nxp.com/docs/en/user-guide/nxp-secure-access-rights-registration.pdf>

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DE-04.

Reason

Improved authentication scheme over IVT, AppBL and recovery images.

Faster boot time by discarding the XRDC configuration.

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

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

The sBAF update will be effective starting date code 2223.

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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Affected Part Number(s)	Affected Part Number(s)
S32K344EHT1MPBST	S32K324NHT1MPBIT
S32K314NHT1VPBSR	S32K324EHT1VPBST
S32K314NHT1MPBST	S32K324EHT1VMMST
S32K324NHT1VPBST	S32K344EHT1VMMST
S32K324NHT1VPBSR	S32K314EHT1MMMST
S32K344NHT1MPBST	S32K344NHT1MMMST
S32K324NHT1MPBST	S32K314EHT1VMMST
S32K344NHT1VPBST	S32K324NHT1VMMST
S32K344EHT1VPBST	S32K314NHT1MMMST
S32K314EHT1VPBST	S32K344NHT1VMMST
S32K324EHT1MPBIT	S32K314NHT1VMMST
S32K324EHT1MPBST	S32K324EHT1VMMSR
S32K324EHT1MPBSR	S32K324NHT1MMMST
S32K314NHT1VPBST	S32K344EHT1MMMST
S32K314EHT1MPBST	S32K324EHT1MMMST

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