



Customer Information Notification

202002024I

Issue Date: 13-Mar-2020
Effective Date: 14-Mar-2020
Dear *PCN NXP*,

Please find below a Quality Notification that has been distributed by NXP.



Change Category

- | | | | | |
|--|--|--|---|---|
| <input type="checkbox"/> Wafer Fab Process | <input type="checkbox"/> Assembly Process | <input type="checkbox"/> Product Marking | <input type="checkbox"/> Test Location | <input type="checkbox"/> Design |
| <input type="checkbox"/> Wafer Fab Materials | <input type="checkbox"/> Assembly Materials | <input type="checkbox"/> Mechanical Specification | <input type="checkbox"/> Test Process | <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 Equipment | <input type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware | <input checked="" type="checkbox"/> Other - Data Sheet and Reference Manual Update | | | |

S32K1xx Data Sheet Update To Rev 12 And Reference Manual Update to Rev 12.1

Description

NXP Semiconductors announces data sheet and reference manual update for the S32K1xx from revision 11 to revision 12 and revision 12.1 respectively. The revision history included in the updated document provides a details description of the changes.

Data sheet changes:

- Page 1: Added note: Technical information for S32K142W and S32K144W device families is preliminary until these devices achieve qualification.....
- Entire document: Added S32K14xW information throughout.
- Page 6: Removed "Under development" from the footnote number 6 in Figure 3.
- Page 80: Updated Trace electrical specifications to clarify that the section applies only for ETM Trace and is supported only by S32K148.
- Page 39: In Table 28, added a new footnote from fosc_hi Max entry.
- Page 71: Updated Figure 21 for number 8.
- Page 49: In Reliability specifications, tnmretee is changed to tnmretee100, and added a new row for the parameter tnmretee10. And footnotes are updated in this topic.

For reference manual changes, please refer to Appendix B, release notes for revision 12.1.

The S32K1xx data sheet and reference manual revision 12 is attached to this notification and can be found at:

https://www.nxp.com/products/processors-and-microcontrollers/arm-microcontrollers/s32k-automotive-mcus/s32k-scalable-microcontrollers-for-automotive-general-purpose-and-and-high-reliability-industrial:S32K?tab=Documentation_Tab

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

Reason

The data sheet 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

Affected products and sales history information: see attached file

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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Customer Focus, Passion to Win.

NXP Quality Management Team.

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