

Final Product Change Notification

202406025F01 : Transition from Product SJA1110xEL/0 to Drop-in Replacement Product SJA1110xEL/1

Note: This notice is NXP Company Proprietary.

Issue Date: Jul 20, 2024 Effective Date: Oct 18, 2024

Here is your personalized communication about an NXP notification. For detailed information we invite you to <u>view this notification online</u> **Management summary**

Transition from product SJA1110xEL/0 to drop-in replacement product SJA1110xEL/1 **Change Category**

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

[X]Firmware []Other

Notification Overview Description

This PCN announces the transition from product SJA1110xEL/0 to drop-in replacement product SJA1110xEL/1. The primary changes are the additional support for secure boot with 2-level (user-selectable) Chain of Trust (CoT), and the option to lock debug access to the ARM controller (JTAG/SWD) while allowing for boundary scan.

In addition two minor design changes have been made:

- A single transistor has been changed, solving the problem of a specific power-up sequence being required for the previous product version

- In an ESD protection a resistor value has been changed, to increase robustness

Further details can be found in an attachment to this PCN, see below further information on how to obtain this document.

For the new SJA1110xEL/1 the following holds:

- Form: Only minor design changes, no change in die size or layout
- Fit: No change, SJA1110xEL/1 is a drop-in replacement for SJA1110xEL/0
- Function: Improved, see description above
- Performance: Improved, see description above
- Reliability: No change, product family SJA1110xEL/1is fully AEC-Q100 qualified and released
- Quality: Improved through minor design changes to fix before-mentioned issues

Three months after this PCN a separate formal Discontinuation Notification (DN) for the SJA1110xEL/0 product will be sent, with a 6-month Last Time Buy (LTB) period, followed by a 6-month Last Time Shipment (LTS) period. This implies that you are required to act on this PCN, as you no longer can order the current SJA1110xEL/0 product after this period.

Attached to this PCN are documents that enable you to assess the change (qualification): - A document with details on the changes

- A full AEC-Q100 qualification report for product SJA1110xEL/1

- The updated SJA1110xEL/1 datasheet, errata sheet, software user manual and application notes

- The ZVEI Delta Qualification Matrix (DeQuMa) for this change, both in pdf and zipped excel format

A PPAP and samples of product SJA1110xEL/1 are available on request. This information should enable you to transition to this new product family with a minor, if any, delta qualification. **Reason**

The change from SJA1110xEL/0 to SJA1110xEL/1 is made to offer additional features and solve some minor issues.

Identification of Affected Products Top Side Marking

In the attachment to this PCN it is shown how the product name and the marking changes.

Product Availability

Sample Information Samples are available upon request Production Planned first shipment Aug 20, 2024 Anticipated Impact on Form, Fit, Function, Reliability or Quality

See above under heading 'Description of change'. **Data Sheet Revision** A new data sheet will be issued **Disposition of Old Products** Until the Last-Time-Shipment (LTS) date (in 3+6+6 months from now) the current SJA1110xEL/0 product will be delivered.

Additional information

Self qualification:<u>view online</u> Additional documents: <u>view online</u>

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Aug 19, 2024.

Remarks

As direct recipient of this NXP PL IVN PCN, please use the 'view online' under the heading 'Additional information' above, to log in to the NXP e-PCN system you're subscribed to, in order to obtain the attached documents with relevant detailed information from the tab 'Files'. If you're not the original recipient, i.e. this PCN has been forwarded to you, you should contact the original recipient(s) within your company to obtain the attachments.

A PPAP for the changed product is available on request, and can only be obtained by your (local) NXP sales contact(s) via <u>https://nww.questionnaire.nxp.com/Questionnaire/ppapUser.action</u>. Also samples can be requested via your (local) NXP sales contact(s). Should you, after having read both PCN and its attachment with detailed explanation, still have questions, please contact us via below a-mail address.

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 Kees van Hasselt

Position Quality Account Manager

e-mail address <u>ivn.customer.service@nxp.com</u>

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NXP Semiconductors High Tech Campus, 5656 AG Eindhoven, The Netherlands

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