



Final Product Change Notification

202306018F01 : Design Update TJA1128

Note: This notice is NXP Company Proprietary.

Issue Date: Jun 29, 2023 **Effective date:** Sep 27, 2023

Here is your personalized notification about a NXP general announcement.
For detailed information we invite you to view this notification online

Management summary

The TJA1128xTK/0 will be replaced by the TJA1128xTK/1

Change Category

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Process	<input checked="" type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Equipment	<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 Location	<input type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware	<input type="checkbox"/> Other			

PCN Overview

Description

NXP has released a drop-in replacement for the TJA1128xTK/0. The replacement can be done without any changes in the customer's application hard- or software.

Details of the change are in the attachment to this PCN.

The present TJA1128xTK/0 will not be discontinued.

A PPAP and samples of the TJA1128xTK/1 are available on request. The information supplied with this PCN should enable customers to transition to the new TJA1128xTK/1 with only, if any, a minor delta qualification.

Reason

The presently released TJA1128xTK/0 shows yield loss at both -40°C as well as at +125°C, at final test. All TJA1128xTK/0 products that are delivered to customers are fulfilling the specification as published in the datasheet.

For all PL IVN products, in volume production, wafer testing is done at +125°C, final testing is done at +25°C. The use of tighter guard band limits ensures the behavior over the full temperature range. The yield loss we experience prevents PL IVN from testing the TJA1128xTK/0 only in the mentioned conditions: wafer testing at +125°C, final testing at +25°C.

The additional testing, final test at cold and hot, takes significant test time. In the present supply situation this may limit the amounts we can deliver to customers.

The minor changes we implemented in the TJA1128xTK/1 will enable us to standardize for this device on wafer testing at +125°C and final testing at +25°C.

When customers do change to the new TJA1128xTK/1, that will free up tester capacity, which will also benefit them in the present, tight, supply situation.

Additional to the above change, we have also used the most recent design rules in this new die. A visible change thereof is the use of orthogonal bond pads, instead of rectangular ones.

Identification of Affected Products

Top Side Marking

Product Availability

Sample Information

Samples are available upon request

Production

Planned first shipment Sep 12, 2023

Anticipated Impact on Form, Fit, Function, Reliability or Quality

See above under heading 'Description of Change'.

Disposition of Old Products

Existing inventory will be shipped until depleted

Additional information

Self qualification: view online

Additional documents: view online

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Jul 29, 2023.

Remarks

Please use the link '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':

- An attachment with more detailed description of the change
- An AEC-Q100 reliability results report
- A ZVEI Delta Qualification Matrix (DeQuMa) for the change, both in pdf and zipped excel format

Should you not be able to obtain these documents, please contact your NXP sales representative or the e-mail address mentioned below under 'Contact and Support'.

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 Henry van Mook

Position Quality Account Manager

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NXP Quality Management Team.

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Orderable Part Number#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	New Orderable Part#	12NC New	Product Type New	Product Description New	Product Line
TJA1128ATK/OZ	935308138431	TJA1128ATK/0	LIN SBC	H(V)SON14WF	SOT1086-2	RFS	No	TJA1128ATK/1Z	935422625431	TJA1128ATK/1	LIN SBC	BLC1
TJA1128BTK/OZ	935308139431	TJA1128BTK/0	LIN SBC	H(V)SON14WF	SOT1086-2	RFS	No	TJA1128BTK/1Z	935422628431	TJA1128BTK/1	LIN SBC	BLC1
TJA1128CTK/OZ	935308141431	TJA1128CTK/0	LIN SBC	H(V)SON14WF	SOT1086-2	RFS	No	TJA1128CTK/1Z	935422632431	TJA1128CTK/1	LIN SBC	BLC1
TJA1128DTK/OZ	935308142431	TJA1128DTK/0	LIN SBC	H(V)SON14WF	SOT1086-2	RFS	No	TJA1128DTK/1Z	935422635431	TJA1128DTK/1	LIN SBC	BLC1
TJA1128ETK/OZ	935308143431	TJA1128ETK/0	LIN SBC	H(V)SON14WF	SOT1086-2	RFS	No	TJA1128ETK/1Z	935422638431	TJA1128ETK/1	LIN SBC	BLC1
TJA1128FTK/OZ	935308144431	TJA1128FTK/0	LIN SBC	H(V)SON14WF	SOT1086-2	RFS	No	TJA1128FTK/1Z	935422642431	TJA1128FTK/1	LIN SBC	BLC1
TJA1128GTK/OZ	935308145431	TJA1128GTK/0	LIN SBC	H(V)SON14WF	SOT1086-2	RFS	No	TJA1128GTK/1Z	935422645431	TJA1128GTK/1	LIN SBC	BLC1
TJA1128HTK/OZ	935308146431	TJA1128HTK/0	LIN SBC	H(V)SON14WF	SOT1086-2	RFS	No	TJA1128HTK/1Z	935422648431	TJA1128HTK/1	LIN SBC	BLC1