



Customer Information Notification

201611002I

Issue Date: 05-Dec-2016
Effective Date: 13-Feb-2017

Here's your personalized quality information concerning products Digi-Key purchased from NXP. For detailed information we invite you to view this notification online



QUALITY

Management Summary

Minor layout modification of product TJA1021, enabling screening of recurring failure modes.

TJA1021 minor layout modification

Information Notification

To further reduce the PPM for product TJA1021, NXP will introduce an additional electrical screening for specific areas of the die that currently cannot be voltage stressed. To enable this electrical screening, a minor layout modification will be made to product TJA1021. An unused testpad is connected to the specific area of the design, enabling voltage stressing. Apart from this there is no change whatsoever in TJA1021:

- No change in Bill of Material (BoM), i.e. any material of which product TJA1021 is composed
- No change in diffusion or assembly process or materials used therein
- No change in design, not a single component in the design is changed or displaced
- No change in form, fit or function
- No change in functionality, performance or reliability other than a further PPM reduction
- No change in datasheet

A running change will be made to product TJA1021, where all material with datecode 1707 onwards (2017, week 7) will have the above-mentioned change implemented. The datecode can be read from the top-side marking of an individual product.

This minor layout modification applies to all currently released versions of product TJA1021:

- TJA1021T/10/C
- TJA1021T/20/C
- TJA1021T/10/CM
- TJA1021T/20/CM
- TJA1021TK/10/C
- TJA1021TK/20/C

In the attachment to this Customer Information Notification (CIN) details of the change are described.

Why do we issue this Information Notification

NXP is committed to continuously improve the quality of the TJA1021 product. In this specific case a minor layout modification to the product is required to reduce the PPM return rate, and NXP is committed to

openly communicate to customers on this change.

Identification of Affected Products

The changed product can be identified by the datecode in the third line of the product's top-side marking. Products with datecodes 1707 onwards will contain the minor layout modification.

Impact

There's no impact to the product's functionality.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

Related Notifications

Notification	Issue Date	Effective Date	Title
201610016A	05-Dec-2016		Introduction of Quad Source

Remarks

Please use the link 'view online' above under the heading 'Additional information' to log in to the NXP e-PCN system you're subscribed to, in order to obtain the attachments from the tab 'Files'.

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'.

In the NXP e-PCN system on the tab 'Products' you can see a list of your affected part numbers.

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 ivn.customer.service@nxp.com

At NXP Semiconductors we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

Customer Focus, Passion to Win.

NXP Quality Management Team.

About NXP Semiconductors

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
TJA1021T/20/C,118	935285394118	TJA1021T/20/C	LIN TRANSCEIVERS	SOT96-1	SO8	RFS	BL Advanced Automotive Analog
TJA1021TK/10/C,118	935285395118	TJA1021TK/10/C	LIN TRANSCEIVERS	SOT782-1	HVSON8	RFS	BL Advanced Automotive Analog
TJA1021TK/20/C,118	935285396118	TJA1021TK/20/C	LIN TRANSCEIVERS	SOT782-1	HVSON8	RFS	BL Advanced Automotive Analog
TJA1021T/10/CM,118	935296782118	TJA1021T/10/CM	LIN TRANSCEIVERS	SOT96-1	SO8	RFS	BL Advanced Automotive Analog
TJA1021T/20/CM,118	935296781118	TJA1021T/20/CM	LIN TRANSCEIVERS	SOT96-1	SO8	RFS	BL Advanced Automotive Analog
TJA1021T/10/C,118	935285393118	TJA1021T/10/C	LIN TRANSCEIVERS	SOT96-1	SO8	RFS	BL Advanced Automotive Analog