



Final Product Change Notification

201610016F07

Issue Date: 13-Feb-2019
Effective Date: 14-May-2019

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

This notice is NXP Company Proprietary.



QUALITY

Management Summary

Introduction of Quad Source for product TJA1055.

Change Category

- | | | | | |
|--|---|---|---|---|
| <input type="checkbox"/> Wafer Fab Process | <input type="checkbox"/> Assembly Process | <input checked="" type="checkbox"/> Product Marking | <input checked="" 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 checked="" type="checkbox"/> Assembly Location | <input checked="" type="checkbox"/> Packing/Shipping/Labeling | <input type="checkbox"/> Test Equipment | <input type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware | <input type="checkbox"/> Other | | | |

Introduction of Quad Source for Product TJA1055

Description of Change

As part of the NXP Business Continuity Management (BCM) program NXP's Product Line In-Vehicle Networking (PL IVN) introduces a quad-sourcing strategy, extending its dual source front-end waferfab diffusion with dual-sourced back-end assembly, final test and packing/shipping/labeling. This continues NXP's Global Business Continuity Management process to establish an industrial base that is agile, robust and can reliably service the long term forecasted market growth of IVN products. The fault-tolerant transceiver product TJA1055 will be quad-sourced. To this end, assembly, final test and packing/shipping/labelling of this product will start in a 2nd location ASEN, Suzhou, China, in parallel to the running production in site ATBK, Bangkok, Thailand.

Quad source means that a product can be:

- diffused in either waferfab ICN8, Nijmegen, the Netherlands or SSMC, Singapore
- assembled, final tested and packed/shipped/labeled in either assembly site ATBK, Bangkok, Thailand, or ASEN, Suzhou, China

The actual sourcing is at NXP's discretion.

This change does not affect the currently released NXP 12NC product part numbers for TJA1055. New 12NCs have been created to make use of the Quad Source.

In the attachment to this Product Change Notification (PCN) details of the changes involved are given, as well as four additional documents:

- The AEC-Q100 qualification results for the release of ASEN assembly
- A release report for ASEN Final Test (FT)
- The applicable ZVEI Delta Qualification Matrix (DeQuMa), both in zipped excel and pdf format

See the paragraphs 'Additional information' and 'Remarks' below for instructions on how to obtain these documents. Attached to this e-mail are two excel files. One contains the sales history for your affected part numbers, the other the product change list. In both files reference is made to new part number, orderable part number and NXP 12NC code. This is the NXP-advised new part in case you want to make use of the Quad Source.

Reason for Change

NXP has the responsibility to have appropriate processes and procedures in place to ensure the ability to continue business operations in the event of an interruption affecting all or part(s) of the NXP organization. NXP has a Business Continuity Management (BCM) program in place since 2010. The BCM program includes 3 elements:

- 1. Risk Management per site
- 2. Contingency on Product level
- 3. Supplier Risk management.

This PCN refers to the 2nd element "Contingency on product level" which includes also the Quad Source option.

The second reason for creating a Quad Source is to establish an industrial base able to support the ever-increasing demand for NXP A-BCD3 products, driven by longer term growth in the In-Vehicle Networking market.

It has been decided to establish a Quad Source for product TJA1055. This means that this product, which is currently assembled, final tested and packed/shipped/labeled in ATBK, Bangkok, Thailand, will also be assembled, final tested and packed/shipped/labeled in ASEN, Suzhou, China, in parallel to ATBK.

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 21-Apr-2019

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

There is no impact to the product's functionality.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

The current products are not affected by this change. We will merely add a back-end assembly, final test and packing/shipping/labeling Dual Source, creating a true Quad Source under new NXP 12NC product part numbers.

Related Notifications

Notification	Issue Date	Effective Date	Title
---------------------	-------------------	-----------------------	--------------

201610016A	05-Dec-2016		Introduction of Quad Source
------------	-------------	--	-----------------------------

201610016F0101-Jun-2017	30-Aug-2017	Introduction of Quad Source for Product TJA1028
201610016F0208-Sep-2017	06-Dec-2017	Introduction of Quad Source for Mantis Products TJA1044(G)T and TJA1057(G)T
201610016F0313-Feb-2019	14-May-2019	Introduction of Quad Source for Product TJA1051
201610016F0413-Feb-2019	14-May-2019	Introduction of Quad Source for Product TJA1049
201610016F0513-Feb-2019	14-May-2019	Introduction of Quad Source for Product TJA1027
201610016F0613-Feb-2019	14-May-2019	Introduction of Quad Source for Product TJA1029

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by 15-Mar-2019.

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 document with relevant detailed information from the tab 'Files'.

Should you not be able to obtain this document, 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.

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

NXP Semiconductors N.V. (NASDAQ: NXPI) provides High Performance Mixed Signal and Standard Product solutions that leverage its leading RF, Analog, Power Management, Interface, Security and Digital Processing expertise. These innovations are used in a wide range of automotive, identification, wireless infrastructure, lighting, industrial, mobile, consumer and computing applications.

You have received this email because you are a designated contact or subscribed to NXP Quality Notifications. NXP shall not be held liable if this Notification is not correctly distributed within your organization.

This message has been automatically distributed. Please do not reply.



[NXP](#) | [Privacy Policy](#) | [Terms of Use](#)

NXP Semiconductors

High Tech Campus, 5656 AG Eindhoven, The Netherlands

© 2006-2010 NXP Semiconductors. All rights reserved.

<u>Changed Orderable Part#</u>	<u>Changed Part 12NC</u>	<u>New Orderable Part#</u>	<u>New part 12NC</u>
TJA1055T/CM,118	935295724118	TJA1055T/2Z	935343932431
TJA1055T/1J	935302723118	TJA1055T/2Z	935343932431
TJA1055T/C,518	935285398518	TJA1055T/2Z	935343932431
TJA1055T/3/1J	935302724118	TJA1055T/3/2Z	935343936431
TJA1055T/3/C,518	935285401518	TJA1055T/3/2Z	935343936431
TJA1055T/3/CM,118	935295725118	TJA1055T/3/2Z	935343936431