# Final Product Change Notification | 201610016F06

**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.**


**Management Summary**
Introduction of Quad Source for product TJA1029.

**Change Category**

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

## Introduction of Quad Source for Product TJA1029

### 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 LIN transceiver product TJA1029 will be quad-sourced. To this end, assembly, final test and packing/shipping/labelling of these products 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 TJA1029. 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 'Additonal 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. Contigency 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 TJA1029. 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 |

| | | |
|---|---|---|
| 201610016F01 | 01-Jun-2017 | 30-Aug-2017 Introduction of Quad Source for Product TJA1028 |
| 201610016F02 | 08-Sep-2017 | 06-Dec-2017 Introduction of Quad Source for Mantis Products TJA1044(G)T and TJA1057(G)T |
| 201610016F03 | 13-Feb-2019 | 14-May-2019 Introduction of Quad Source for Product TJA1051 |
| 201610016F04 | 13-Feb-2019 | 14-May-2019 Introduction of Quad Source for Product TJA1049 |
| 201610016F05 | 13-Feb-2019 | 14-May-2019 Introduction of Quad Source for Product TJA1027 |
| 201610016F07 | 13-Feb-2019 | 14-May-2019 Introduction of Quad Source for Product TJA1055 |

## 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.

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

| Changed Orderable Part# | Changed Part 12NC | New Orderable Part# | New part 12NC |
|---|---|---|---|
| TJA1029T/20/1J | 935303479118 | TJA1029T/2Z | 935343944431 |
| TJA1029T,118 | 935297962118 | TJA1029T/2Z | 935343944431 |