



## Final Product Change Notification

201610016F02

**Issue Date:** 08-Sep-2017  
**Effective Date:** 06-Dec-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



### Management Summary

Introduction of Quad Source for products TJA1044(G)T and TJA1057(G)T.

#### 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

Introduction of Quad Source for Mantis Products TJA1044(G)T and TJA1057(G)T

### Details of this 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 HS CAN transceivers TJA1044(G)T and TJA1057(G)T 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 TJA1044(G)T and TJA1057(G)T. 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 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.

### **Why do we Implement this 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 products TJA1044 and TJA1057. This means that these products, which are 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 28-Nov-2017

## **Impact**

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 DateTitle**

201610016A05-Dec-2016		Introduction of Quad Source
2017060011 08-Sep-2017	06-Dec-2017	Final CAN FD Update for Mantis Products TJA1044, TJA1057 and TJA1046, and Introduction TJA1044 VIO

### Timing and Logistics

Your acknowledgement of this change, conform JEDEC JESD46 D, is expected till 08-Oct-2017.

### 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'.

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:

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**Position** Quality Account Manager  
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NXP Quality Management Team.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
TJA1057T,118	935297573118	TJA1057T	HS-CAN Transceivers	SOT96-1	SO8	RFS	BL Advanced Automotive Analog
TJA1057GTJ	935301677118	TJA1057GT	HS-CAN Transceivers	SOT96-1	SO8	RFS	BL Advanced Automotive Analog
TJA1044GTJ	935301676118	TJA1044GT	HS-CAN Transceivers	SOT96-1	SO8	RFS	BL Advanced Automotive Analog