



Product Line In-Vehicle Networking (PL IVN):  
Datasheet updates TJA1042  
Attachment to CIN 2023020071

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## 1. Introduction

NXP Product Line In-Vehicle Networking (PL IVN) would like to inform you about updates of the TJA1042 product datasheet.

## 2. Why do you get this notification?

You get this notification because you have bought or are still buying one or more versions of the NXP PL IVN product TJA1042.

## 3. Summary of changes

The updates of the TJA1042 datasheet are described in its revision history. The new datasheet is attached to this Customer Information Notification (CIN) and can be obtained in the same way as this document. Apart from typos and textual and figure corrections the most relevant updates are:

- Addition of new product variants TJA1042BT(K) in both SO8 (T) and leadless HVSON8 (TK) packages, and product variant TJA1042CT in SO8 package. These product variants feature a shorter propagation delay, supporting larger network topologies.
  - At this moment only the SO8 package products are released, and for these a PPAP is available on request
  - The leadless HVSON8 package product TJA1042BTK will be released later, without further update of the datasheet
- Added compliance to CAN standard SAE J1939-14 and EMC standards IEC 62228-3 and SAE J2962-2
- Revised thermal characteristics. No change whatsoever has been made to the product's package or Bill-of-Material (BoM), the specifications come from up-to-date remodeling according to the latest standards. Added are  $R_{th(j-c)}$  (junction-to-case resistance, applicable to leadless packages only) and  $\Psi_{j-top}$ .

All datasheet updates are either additions or improvements, without any change whatsoever to product (design) or its BoM.

## 4. ZVEI Delta Qualification Matrix (DeQuMa)

The corresponding ZVEI DeQuMa ID numbers for this datasheet update are SEM-DS-02 and SEM-DS-03. The DeQuMa is attached to this CIN, both in zipped excel and pdf format. It can be obtained from the NXP e-PCN system you're subscribed to, in the same way you obtained this document.

## 5. Conclusion

This Customer Information Notification (CIN) is about the TJA1042 datasheet updates. Note that no change in the product (design) or its BoM has been made, and hence no qualification information or documentation is provided. This implies there's no action required to respond to this notification, there's nothing to 'accept' or 'reject'.

For the newly released TJA1042BT and TJA1042CT product variants a PPAP is available on request.

For questions, please contact [ivn.customer.service@nxp.com](mailto:ivn.customer.service@nxp.com).

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