



Customer Information Notification

202109014I : TJx144y and TJx146y Product Family Datasheet Update

Note: This notice is NXP Company Proprietary.

Issue Date: Oct 22, 2021 **Effective date:** Oct 23, 2021

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Management summary

The NXP Product Line In- Vehicle Networking (PL IVN) TJx144y and TJx146y Product Family datasheets are updated with improved specifications.

Change Category

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Process	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Errata
<input type="checkbox"/> Wafer Fab Location	<input type="checkbox"/> Assembly Location	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Location	<input checked="" type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware	<input type="checkbox"/> Other			

PCN Overview

Description

The NXP Product Line In- Vehicle Networking (PL IVN) TJx144y and TJx146y Product Family datasheets are updated:

- 8 Mbit/s timing for the AEC-Q100 grade 1 TJA1462 and TJA1463 products
- Improved delay timing for the AEC-Q100 grade 1 TJA144y products
- For TJx1443 and TJx1463:
 - Improved limiting value for the VBAT pin
 - Additional specification of transient voltage on VBAT and WAKE pin
 - Minor state diagram correction

No physical or design change has been made to the products, the improved/expanded specifications are achieved through tightened test limits.

Attached to this Customer Information Notification (CIN) are additional documents:

- A pdf document with detailed info on the datasheet updates
- The applicable ZVEI Delta Qualification Matrix (DeQuMa) for these datasheet updates, both in zipped excel and pdf format
- The new datasheets for the TJx144y and TJx146y products, which will also be published on the

NXP website (www.nxp.com) one month after the distribution of this CIN to customers

See the paragraphs 'Additional information' and 'Remarks' below for instructions on how to obtain these documents.

On request a PPAP with the new datasheet and updated Electrical Distribution (ED) report is available for each of the products. The single exception is the non-automotive/industrial product TJF1441, for which no PPAP is available.

Reason

NXP PL IVN wants to properly inform you of the improved datasheet specifications for the TJx144y and TJx146y product family datasheets.

Identification of Affected Products

Product identification does not change

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

There is no impact on form, fit, function, reliability or quality, other than the intended improved datasheet specifications through tightened test limits.

Data Sheet Revision

A new datasheet will be issued

Disposition of Old Products

Existing inventory will be shipped until depleted

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.

For specific questions on this notice or the products affected please contact our specialist directly:

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NXP Quality Management Team.

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
TJA1441AT/OZ	935384785431	TJA1441AT/0	TJA1441AT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJA1441ATK/OZ	935389367431	TJA1441ATK/0	TJA1441ATK/OZ	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1441BT/OZ	935390007431	TJA1441BT/0	TJA1441BT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJA1441BTK/OZ	935390232431	TJA1441BTK/0	TJA1441BTK/OZ	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1441DT/OZ	935392674431	TJA1441DT/0	TJA1441DT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJA1441DTK/OZ	935392676431	TJA1441DTK/0	TJA1441DTK/OZ	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1442AT/OZ	935389634431	TJA1442AT/0	TJA1442AT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJA1442ATK/OZ	935389635431	TJA1442ATK/0	TJA1442ATK/OZ	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1442BT/OZ	935390233431	TJA1442BT/0	TJA1442BT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJA1442BTK/OZ	935390241431	TJA1442BTK/0	TJA1442BTK/OZ	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1443AT/OZ	935389365431	TJA1443AT/0	TJA1443AT/OZ	SO14	SOT108-1	RFS	No	BLC1
TJA1443ATK/OZ	935389702431	TJA1443ATK/0	TJA1443ATK/0	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1448AT/OZ	935389369431	TJA1448AT/0	TJA1448AT/0	SO14	SOT108-1	RFS	No	BLC1
TJA1448ATK/OZ	935389633431	TJA1448ATK/0	TJA1448ATK/0	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1448BT/OZ	935389787431	TJA1448BT/0	TJA1448BT/0	SO14	SOT108-1	RFS	No	BLC1
TJA1448BTK/OZ	935389788431	TJA1448BTK/0	TJA1448BTK/0	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1448CTK/OZ	935392675431	TJA1448CTK/0	TJA1448CTK/0	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1462AT/OZ	935389366431	TJA1462AT/0	TJA1462AT/0	SO8	SOT96-1	RFS	No	BLC1
TJA1462ATK/OZ	935389632431	TJA1462ATK/0	TJA1462ATK/0	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1462ATK/S1Z	935411822431	TJA1462ATK/S1	TJA1462ATK/S1	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1462ATK/S2Z	935411823431	TJA1462ATK/S2	TJA1462ATK/S2	H(V)SON8WF	SOT782-1	ASM	No	BLC1
TJA1462BT/OZ	935389727431	TJA1462BT/0	TJA1462BT/0	SO8	SOT96-1	RFS	No	BLC1
TJA1462BTK/OZ	935389728431	TJA1462BTK/0	TJA1462BTK/0	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1462BTK/S1Z	935411824431	TJA1462BTK/S1	TJA1462BTK/S1	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1462BTK/S2Z	935411825431	TJA1462BTK/S2	TJA1462BTK/S2	H(V)SON8WF	SOT782-1	ASM	No	BLC1
TJA1463AT/OZ	935389309431	TJA1463AT/0	TJA1463AT/0	SO14	SOT108-1	RFS	No	BLC1
TJA1463ATK/OZ	935389371431	TJA1463ATK/0	TJA1463ATK/0	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1463ATK/S1Z	935411846431	TJA1463ATK/S1	TJA1463ATK/S1	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1463ATK/S2Z	935411847431	TJA1463ATK/S2	TJA1463ATK/S2	H(V)SON14WF	SOT1086-2	ASM	No	BLC1
TJF1441AT/OZ	935392713431	TJF1441AT/0	TJF1441AT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJR1441AT/OZ	935389368431	TJR1441AT/0	TJR1441AT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJR1441ATK/OZ	935391908431	TJR1441ATK/0	TJR1441ATK/OZ	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJR1441BT/OZ	935391889431	TJR1441BT/0	TJR1441BT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJR1441BTK/OZ	935391894431	TJR1441BTK/0	TJR1441BTK/OZ	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJR1441DT/OZ	935391893431	TJR1441DT/0	TJR1441DT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJR1441DTK/OZ	935391895431	TJR1441DTK/0	TJR1441DTK/OZ	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJR1442AT/OZ	935391898431	TJR1442AT/0	TJR1442AT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJR1442ATK/OZ	935391902431	TJR1442ATK/0	TJR1442ATK/OZ	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJR1442BT/OZ	935391901431	TJR1442BT/0	TJR1442BT/OZ	SO8	SOT96-1	RFS	No	BLC1
TJR1442BTK/OZ	935391859431	TJR1442BTK/0	TJR1442BTK/OZ	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJR1443AT/OZ	935391667431	TJR1443AT/0	TJR1443AT/0	SO14	SOT108-1	RFS	No	BLC1
TJR1443ATK/OZ	935391896431	TJR1443ATK/0	TJR1443ATK/0	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJR1443ATK/S1Z	935411812431	TJR1443ATK/S1	TJR1443ATK/S1	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJR1448AT/OZ	935391669431	TJR1448AT/0	TJR1448AT/0	SO14	SOT108-1	RFS	No	BLC1
TJR1448ATK/OZ	935391899431	TJR1448ATK/0	TJR1448ATK/0	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJR1448BT/OZ	935391861431	TJR1448BT/0	TJR1448BT/0	SO14	SOT108-1	RFS	No	BLC1
TJR1448BTK/OZ	935391897431	TJR1448BTK/0	TJR1448BTK/0	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJR1448CTK/OZ	935391862431	TJR1448CTK/0	TJR1448CTK/0	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJR1462AT/OZ	935391945431	TJR1462AT/0	TJR1462AT/0	SO8	SOT96-1	RFS	No	BLC1
TJR1462ATK/OZ	935391942431	TJR1462ATK/0	TJR1462ATK/0	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJR1462BT/OZ	935391944431	TJR1462BT/0	TJR1462BT/0	SO8	SOT96-1	RFS	No	BLC1
TJR1462BTK/OZ	935391946431	TJR1462BTK/0	TJR1462BTK/0	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJR1463AT/OZ	935391947431	TJR1463AT/0	TJR1463AT/0	SO14	SOT108-1	RFS	No	BLC1
TJR1463ATK/OZ	935391948431	TJR1463ATK/0	TJR1463ATK/0	H(V)SON14WF	SOT1086-2	RFS	No	BLC1