



Advance Product Change Notification

202309003A : Introduction of Multi-Source Optical Shrink Versions of Various CAN/LIN Products

Note: This notice is NXP Company Proprietary.

Issue Date: Nov 02, 2023

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Management summary

NXP Product Line In-Vehicle Networking (PL IVN) will be introducing multi-source optical shrink versions of products TJA1021, TJA1022, TJA1024, TJA1027, TJA1029, TJA1042, TJA1043, TJA1044, TJA1046 and TJA1057.

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

PCN Overview

Description

For the PL IVN CAN/LIN products TJA1021, TJA1022, TJA1024, TJA1027, TJA1029, TJA1042, TJA1043, TJA1044, TJA1046 and TJA1057 optical shrink product versions will be introduced. The Bill-of-Material (BoM) of those new shrink product versions will be using copper (Cu) bondwire, with the associated mold compound and die attach. These new product versions will be introduced as multi-source, i.e. using multiple front-end diffusion waferfabs and back-end assembly and final test sites.

This Advanced PCN (A-PCN) is clarifying which products are affected and provides a high-level view of the changes with respect to the current released 'baseline' products. The actual changes per product will be announced by final PCNs, attached to which will be the qualification and release documentation. The final PCN will also contain instructions on how to obtain samples or place production orders for these new product versions. Planning for these final PCNs per product is provided in the attachment to this A-PCN, instructions on how to obtain this document are given below under the heading 'Remarks'.

Note that there is no need or use to respond to this A-PCN, there is nothing to accept or reject, it is

purely pre-informing you of upcoming changes (please ignore the section 'Timing and Logistics' below).

Reason

These changes will help to continue 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.

Product Availability

Sample Information

Sample Planning follows with the final PCN

Production

Shipment dates are product specific, see attached plan

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

No Impact on form, fit, function, reliability or quality

Disposition of Old Products

N/A

Additional information

Self qualification: view online

Timing and Logistics

The Self Qualification Report will be ready on Dec 31, 2023.

The Final PCN is planned to be issued on: Dec 31, 2023.

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Dec 02, 2023.

N/A

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'.

In the NXP e-PCN system on the tab 'Products' you can see a list of your affected part numbers. There is no need or use to respond to this Advanced PCN (A-PCN), which is only meant to pre-inform you of upcoming changes. Upon NXP release of an optical shrink product version, a final PCN will be provided with all the detail change information and release reports. At such time the new orderable NXP 12NC part numbers will be provided, and samples can be ordered or production orders placed.

Related Notification

Notification	Issue Date	Effective Date	Title
202302005I	Feb 17, 2023	Mar 17, 2023	TJA1021 Datasheet Update
202302006I	Feb 17, 2023	Mar 17, 2023	TJA1028 Datasheet Update

202302007I	Feb 17, 2023	Mar 17, 2023	TJA1042 Datasheet Update
202302008I	Feb 17, 2023	Mar 17, 2023	TJA1044 Datasheet Update
202302010I	Feb 17, 2023	Mar 17, 2023	TJA1057 Datasheet Update

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:

Name	Kees van Hasselt
Position	Quality Account Manager
e-mail address	ivn.customer.service@nxp.com

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NXP Quality Management Team.

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

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Orderable Part Number#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
TJA1021T/10/C,118	935285393118	TJA1021T/10/C	LIN TRANSCEIVERS	SO8	SOT96-1	RFS	No	BLC1
TJA1021T/10/CM,118	935296782118	TJA1021T/10/CM	LIN TRANSCEIVERS	SO8	SOT96-1	RFS	No	BLC1
TJA1021T/20/C,118	935285394118	TJA1021T/20/C	LIN TRANSCEIVERS	SO8	SOT96-1	RFS	No	BLC1
TJA1021T/20/CM,118	935296781118	TJA1021T/20/CM	LIN TRANSCEIVERS	SO8	SOT96-1	RFS	No	BLC1
TJA1021TK/10/C,118	935285395118	TJA1021TK/10/C	LIN TRANSCEIVERS	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1021TK/20/C,118	935285396118	TJA1021TK/20/C	LIN TRANSCEIVERS	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1022HGZ	935304867431	TJA1022HG	LIN	H(V)QFN24D	SOT815-1	RFS	No	BLC1
TJA1022T,118	935297105118	TJA1022T	DUAL LIN TRANSCEIVERS	SO14	SOT108-1	RFS	No	BLC1
TJA1022TK,118	935297106118	TJA1022TK	DUAL LIN TRANSCEIVERS	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1024HGZ	935304869431	TJA1024HG	LIN	H(V)QFN24D	SOT815-1	RFS	No	BLC1
TJA1027T/20,118	935294211118	TJA1027T/20	LIN TRANSCEIVERS	SO8	SOT96-1	RFS	No	BLC1
TJA1027T/20/1J	935303435118	TJA1027T/20/1	LIN TRANSCEIVERS	SO8	SOT96-1	RFS	No	BLC1
TJA1027T/20/2Z	935343852431	TJA1027T/20/2	LIN TRANSCEIVERS	SO8	SOT96-1	RFS	No	BLC1
TJA1027TK/20,118	935294212118	TJA1027TK/20	LIN TRANSCEIVERS	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1027TK/20/1J	935303442118	TJA1027TK/20/1	LIN TRANSCEIVERS	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028T/3V3/10:11	935288957118	TJA1028T/3V3/10	LIN SBCs	SO8	SOT96-1	RFS	No	BLC1
TJA1028T/3V3/10/2Z	935307457431	TJA1028T/3V3/10/2	LIN SBCs	SO8	SOT96-1	RFS	No	BLC1
TJA1028T/3V3/20,11	935288956118	TJA1028T/3V3/20	LIN SBCs	SO8	SOT96-1	RFS	No	BLC1
TJA1028T/3V3/20/1J	935302711118	TJA1028T/3V3/20/1	LIN SBCs	SO8	SOT96-1	RFS	No	BLC1
TJA1028T/3V3/20/DZ	935306846431	TJA1028T/3V3/20/2	LIN SBCs	SO8	SOT96-1	RFS	No	BLC1
TJA1028T/5V0/10,11	935288955118	TJA1028T/5V0/10	LIN SBCs	SO8	SOT96-1	RFS	No	BLC1
TJA1028T/5V0/10/2Z	935307455431	TJA1028T/5V0/10/2	LIN SBCs	SO8	SOT96-1	RFS	No	BLC1
TJA1028T/5V0/20:11	935288954118	TJA1028T/5V0/20	LIN SBCs	SO8	SOT96-1	RFS	No	BLC1
TJA1028T/5V0/20/1J	935302709118	TJA1028T/5V0/20/1	LIN SBCs	SO8	SOT96-1	RFS	No	BLC1
TJA1028T/5V0/20/DZ	935306845431	TJA1028T/5V0/20/2	LIN SBCs	SO8	SOT96-1	RFS	No	BLC1
TJA1028TK/3V3/10,1	935288962118	TJA1028TK/3V3/10	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/3V3/10:1	935288962115	TJA1028TK/3V3/10	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/3V3/20:1	935288961115	TJA1028TK/3V3/20	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/3V3/20,1	935288961118	TJA1028TK/3V3/20	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/3V3/20/J	935302713118	TJA1028TK/3V3/20/1	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/3V3/20/X	935302713115	TJA1028TK/3V3/20/1	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/5V0/10,1	935288959118	TJA1028TK/5V0/10	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/5V0/10:1	935288959115	TJA1028TK/5V0/10	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/5V0/10/Z	935382091431	TJA1028TK/5V0/10/2	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/5V0/20,1	935288958118	TJA1028TK/5V0/20	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/5V0/20:1	935288958115	TJA1028TK/5V0/20	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/5V0/20/X	935302712115	TJA1028TK/5V0/20/1	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/5V0/20/J	935302712118	TJA1028TK/5V0/20/1	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1028TK/5V0/20/AZ	935382092431	TJA1028TK/5V0/20/2	LIN SBCs	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1029T,118	935297962118	TJA1029T	LIN TRANSCEIVERS	SO8	SOT96-1	RFS	No	BLC1
TJA1029T/20/1J	935303479118	TJA1029T/1	LIN TRANSCEIVERS	SO8	SOT96-1	RFS	No	BLC1
TJA1029T/2Z	935343944431	TJA1029T/2	LIN TRANSCEIVERS	SO8	SOT96-1	RFS	No	BLC1
TJA1029TK,118	935297963118	TJA1029TK	LIN TRANSCEIVERS	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1029TK/20/1J	935303481118	TJA1029TK/1	LIN TRANSCEIVERS	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1042AT/0Z	935361939431	TJA1042AT/0	HS-CAN TRANSCEIVER	SO8	SOT96-1	RFS	No	BLC1
TJA1042AT/3/0Z	935361941431	TJA1042AT/3/0	HS-CAN TRANSCEIVER	SO8	SOT96-1	RFS	No	BLC1
TJA1042ATK/3/0Z	935361942431	TJA1042ATK/3/0	HS-CAN TRANSCEIVER	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1042T,118	935285277118	TJA1042T	HS-CAN TRANSCEIVER	SO8	SOT96-1	RFS	No	BLC1
TJA1042T/1J	935302719118	TJA1042T/1	HS-CAN TRANSCEIVER	SO8	SOT96-1	RFS	No	BLC1
TJA1042T/3,118	935285279118	TJA1042T/3	HS-CAN TRANSCEIVER	SO8	SOT96-1	RFS	No	BLC1
TJA1042T/3/1J	935302721118	TJA1042T/3/1	HS-CAN TRANSCEIVER	SO8	SOT96-1	RFS	No	BLC1
TJA1042T/3/CM,118	935295727118	TJA1042T/3/CM	HS-CAN TRANSCEIVER	SO8	SOT96-1	RFS	No	BLC1
TJA1042T/CM,118	935295726118	TJA1042T/CM	HS-CAN TRANSCEIVER	SO8	SOT96-1	RFS	No	BLC1
TJA1042TK/3,118	935285293118	TJA1042TK/3	HS-CAN TRANSCEIVER	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1042TK/3/1J	935302716118	TJA1042TK/3/1	HS-CAN TRANSCEIVER	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1042TK/3/2Z	935386346431	TJA1042TK/3/2	HS-CAN TRANSCEIVER	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1043AT/0Z	935361953431	TJA1043AT/0	HS-CAN TRANSCEIVER	SO14	SOT108-1	RFS	No	BLC1
TJA1043ATK/0Y	935361954518	TJA1043ATK/0	HS-CAN TRANSCEIVER	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1043T,118	935285284118	TJA1043T	HS-CAN TRANSCEIVER	SO14	SOT108-1	RFS	No	BLC1
TJA1043T/1J	935303525118	TJA1043T/1	HS-CAN TRANSCEIVER	SO14	SOT108-1	RFS	No	BLC1
TJA1043TKY	935299507518	TJA1043TK	HS-CAN transceiver	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1043TK/1Y	935303528518	TJA1043TK/1	HS-CAN transceiver	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1044AT/0Z	935418988431	TJA1044AT/0	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1044AT/3/0Z	935418989431	TJA1044AT/3/0	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1044ATK/0Z	935418991431	TJA1044ATK/0	HS-CAN Transceivers	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1044ATK/3/0Z	935418992431	TJA1044ATK/3/0	HS-CAN Transceivers	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1044GTJ	935301676118	TJA1044GT	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1044GT/1Z	935307179431	TJA1044GT/1	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1044GT/3Z	935308744431	TJA1044GT/3	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1044GTKZ	935305755431	TJA1044GTK	HS-CAN Transceivers	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1044GTK/3Z	935308745431	TJA1044GTK/3	HS-CAN Transceivers	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1044T,118	935297572118	TJA1044T	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1044T/1Z	935307168431	TJA1044T/1	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1044VTZ	935351661431	TJA1044VT	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1044VT/3Z	935308772431	TJA1044VT/3	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1044VTKZ	935308769431	TJA1044VTK	HS-CAN Transceivers	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1044VTK/3Z	935308773431	TJA1044VTK/3	HS-CAN Transceivers	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1046TKZ	935304819431	TJA1046TK	HS-CAN Transceivers	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1046VTKZ	935351687431	TJA1046VTK	HS-CAN Transceivers	H(V)SON14WF	SOT1086-2	RFS	No	BLC1
TJA1057AT/0Z	935419002431	TJA1057AT/0	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1057AT/3/0Z	935420637431	TJA1057AT/3/0	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1057ATK/0Z	935419004431	TJA1057ATK/0	HS-CAN Transceivers	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1057ATK/3/0Z	935419005431	TJA1057ATK/3/0	HS-CAN Transceivers	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1057GTJ	935301677118	TJA1057GT	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1057GT/1Z	935307204431	TJA1057GT/1	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1057GT/3J	935306202118	TJA1057GT/3	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1057GTKZ	935305764431	TJA1057GTK	HS-CAN Transceivers	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1057GTK/3Z	935306035431	TJA1057GTK/3	HS-CAN Transceivers	H(V)SON8WF	SOT782-1	RFS	No	BLC1
TJA1057T,118	935297573118	TJA1057T	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1
TJA1057T/1Z	935307196431	TJA1057T/1	HS-CAN Transceivers	SO8	SOT96-1	RFS	No	BLC1