



Product Change Notification

CN-202307007F

Issue date: 29 Sep 2023

Effective date: 29 Mar 2024

Here's your personalized quality information concerning products our customers and partners purchased from Nexperia.

For more details please contact your respective Nexperia CSR/AM.



Transfer of ALVC products into C075DMB process in GTA Semiconductors wafer fab and assembly and test transfer from ATBK to ATXSZ (Phase 3, Automotive)

Change Category

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

Details of this change

Transfer of ALVC products into C075DMB process in GTA Semiconductors wafer fab (Shanghai China) and assembly and test transfer from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ATXSZ (ATX Semiconductors, Suzhou China). Phase 3, Automotive.

- Assembly and test transfer from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ATXSZ (ATX Semiconductors Suzhou China)
- Change from EOL process PC10ST ICN8, Nijmegen The Netherlands to process C075DMB GTA Semiconductors wafer fab (Shanghai China)
- No change in datasheet and test limits
- No change in form, fit, function, quality or reliability anticipated
- Related Notification PCN CN-202209026F (Phase 1) and PCN CN-202303041F (Phase 2)

Qualification in accordance to the Automotive Electronics Council:

- AEC-Q100-rev. H Stress Test Qualification for Integrated Circuits
- AEC-Q006-rev. A Qualification requirements for Cu-wire interconnection

SQR_CN-202307007F.pdf: https://qcm.nexperia.com/Document/DOC-558396/SQR_CN-202307007F.pdf

Why do we implement this change?

- End Of Life of process PC10ST at ICN8, Nijmegen The Netherlands

Identification of affected products

- The traceability is given by the location indicators which is indicated on the product marking and reel and box labels, see remarks

Management summary

- Assembly and test transfer from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ATXSZ (ATX Semiconductors, Suzhou, China)
- Change from EOL process PC10ST ICN8, Nijmegen The Netherlands to process C075DMB GTA Semiconductors wafer fab (Shanghai, China)

Product availability

Production

Planned first shipment: 29 Mar 2024

Existing inventory will be shipped until depleted

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

Data sheet revision

No impact to existing datasheet

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 29 Oct 2023. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

[View Change Notification Online](#)

Remarks

1). Assembly location indicator suffix on the product topside marking and on the reel and box label: "X"= ATXSZ (ATX Semiconductors Suzhou, China) and "n"= ATBK (NXP Semiconductors Assembly & Test Plant Bangkok, Thailand) Wafer Fab location indicator suffix on the product topside marking and on the reel and box label: "Y"= GTA (Shanghai, China) and "T"= NXP ICN8 (Nijmegen, The Netherlands) 2). PCN qualification samples are available upon request via Helpdesk+ out of BG Analog & Logic ICs sample store in Nijmegen, The Netherlands. Maximum sample order 300 pieces per type

Contact and support

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support Team.

For specific questions on this notice or the products affected please contact our specialist directly: pcn@nexperia.com

In case of distribution, please contact your distribution partner.

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SalesItem_name	SalesItem_orderablePartNumber	SalesOrder_customerPartNumber	ProductType_name	BasicType_description	PackageOutlineVersion_description	PackageType_description	SalesItem_state	SalesItem_customerSpecificIndicator	BusinessLine_description
935303988115	74ALVC00BQ-Q100X		74ALVC00BQ-Q100	Quad 2-input NAND gate	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935300976118	74ALVC00D-Q100J		74ALVC00D-Q100	Quad 2-input NAND gate	SOT108-1	SO14	RFS	No	Analog & Logic
935300977118	74ALVC00PW-Q100J		74ALVC00PW-Q100	Quad 2-input NAND gate	SOT402-1	TSSOP14	RFS	No	Analog & Logic
935301542115	74ALVC125BQ-Q100X	74ALVC125BQ-Q100X	74ALVC125BQ-Q100	Quad buffer/line driver; 3-SOT762-1	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935301539118	74ALVC125D-Q100J		74ALVC125D-Q100	Quad buffer/line driver; 3-SOT108-1	SOT108-1	SO14	RFS	No	Analog & Logic
935301541118	74ALVC125PW-Q100J		74ALVC125PW-Q100	Quad buffer/line driver; 3-SOT402-1	SOT402-1	TSSOP14	RFS	No	Analog & Logic
935303989115	74ALVC32BQ-Q100X		74ALVC32BQ-Q100	Quad 2-input OR gate	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935300978118	74ALVC32D-Q100J		74ALVC32D-Q100	Quad 2-input OR gate	SOT108-1	SO14	RFS	No	Analog & Logic
935300979118	74ALVC32PW-Q100J		74ALVC32PW-Q100	Quad 2-input OR gate	SOT402-1	TSSOP14	RFS	No	Analog & Logic
935303991115	74ALVC541BQ-Q100X		74ALVC541BQ-Q100	Octal buffer/line driver; 3-SOT764-1	SOT764-1	DHVQFN20	RFS	No	Analog & Logic
935300764118	74ALVC541D-Q100J		74ALVC541D-Q100	Octal buffer/line driver; 3-SOT163-1	SOT163-1	SO20	RFS	No	Analog & Logic
935300765118	74ALVC541PW-Q100J	74ALVC541PW-Q100J	74ALVC541PW-Q100	Octal buffer/line driver; 3-SOT360-1	SOT360-1	TSSOP20	RFS	No	Analog & Logic
935691576118	74ALVC74PW-Q100J		74ALVC74PW-Q100	Dual D-type flip-flop; posif	SOT402-1	TSSOP14	CQS	No	Analog & Logic