



**Product Change Notification** **CN-202209026F**

**Issue date:** 27 Dec 2022  
**Effective date:** 31 Mar 2023  
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**

**Change Category**

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

- 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

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-202209026F.pdf: [https://qcm.nexperia.com/Document/DOC-548361/SQR\\_CN-202209026F.pdf](https://qcm.nexperia.com/Document/DOC-548361/SQR_CN-202209026F.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: 31 Mar 2023

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 26 Jan 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](mailto:pcn@nexperia.com)

In case of distribution, please contact you 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
935273669115	74ALVC00BQ,115		74ALVC00BQ	Quad 2-input NAND gate	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935269710118	74ALVC00D,118		74ALVC00D	Quad 2-input NAND gate	SOT108-1	SO14	RFS	No	Analog & Logic
935269711118	74ALVC00PW,118		74ALVC00PW	Quad 2-input NAND gate	SOT402-1	TSSOP14	RFS	No	Analog & Logic
935273695115	74ALVC02BQ,115	74ALVC02BQ,115	74ALVC02BQ	Quad 2-input NOR gate	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935269712118	74ALVC02D,118		74ALVC02D	Quad 2-input NOR gate	SOT108-1	SO14	RFS	No	Analog & Logic
935269713118	74ALVC02PW,118	74ALVC02PW,118	74ALVC02PW	Quad 2-input NOR gate	SOT402-1	TSSOP14	RFS	No	Analog & Logic
935273686115	74ALVC04BQ,115		74ALVC04BQ	Hex inverter	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935269715118	74ALVC04D,118		74ALVC04D	Hex inverter	SOT108-1	SO14	RFS	No	Analog & Logic
935269714118	74ALVC04PW,118		74ALVC04PW	Hex inverter	SOT402-1	TSSOP14	RFS	No	Analog & Logic
935273691115	74ALVC08BQ,115	74ALVC08BQ,115	74ALVC08BQ	Quad 2-input AND gate	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935269716118	74ALVC08D,118	74ALVC08D,118	74ALVC08D	Quad 2-input AND gate	SOT108-1	SO14	RFS	No	Analog & Logic
935269717118	74ALVC08PW,118	74ALVC08PW,118	74ALVC08PW	Quad 2-input AND gate	SOT402-1	TSSOP14	RFS	No	Analog & Logic
93528553115	74ALVC125BQ,115		74ALVC125BQ	Quad buffer/line driver; 3	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935269718118	74ALVC125D,118		74ALVC125D	Quad buffer/line driver; 3	SOT108-1	SO14	RFS	No	Analog & Logic
935269719118	74ALVC125PW,118		74ALVC125PW	Quad buffer/line driver; 3	SOT402-1	TSSOP14	RFS	No	Analog & Logic
935273637115	74ALVC14BQ,115		74ALVC14BQ	Hex inverting Schmitt trig	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935269722118	74ALVC14D,118		74ALVC14D	Hex inverting Schmitt trig	SOT108-1	SO14	RFS	No	Analog & Logic
935269723118	74ALVC14PW,118		74ALVC14PW	Hex inverting Schmitt trig	SOT402-1	TSSOP14	RFS	No	Analog & Logic
93528554115	74ALVC32BQ,115		74ALVC32BQ	Quad 2-input OR gate	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935269728118	74ALVC32D,118		74ALVC32D	Quad 2-input OR gate	SOT108-1	SO14	RFS	No	Analog & Logic
935269729118	74ALVC32PW,118	74ALVC32PW,118	74ALVC32PW	Quad 2-input OR gate	SOT402-1	TSSOP14	RFS	No	Analog & Logic
935273692115	74ALVC74BQ,115	74ALVC74BQ,115	74ALVC74BQ	Dual D-type flip-flop with	SOT762-1	DHVQFN14	RFS	No	Analog & Logic
935269741118	74ALVC74D,118		74ALVC74D	Dual D-type flip-flop with	SOT108-1	SO14	RFS	No	Analog & Logic
935269740118	74ALVC74PW,118	74ALVC74PW,118	74ALVC74PW	Dual D-type flip-flop with	SOT402-1	TSSOP14	RFS	No	Analog & Logic