



Product Change Notification

CN-202303041F

Issue date: 24 May 2023

Effective date: 22 Aug 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 (Phase 2)

Change Category

☒	Wafer	☒	Assembly			
☒	Fab					
☒	Process	☒	Process	☒	Product Marking	☒
☒	Wafer	☒	Assembly	☐	Mechanical	Test Design
☒	Fab			☐	Specification	☐
☒	Materials	☒	Materials	☐	Packing/Shipping/Labeling	Test Process
☒	Wafer	☒	Assembly			☐
☒	Fab					Electrical spec./Test coverage
☒	Location		Location			

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 2.

- 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)

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-202303041F.pdf: https://qcm.nexperia.com/Document/DOC-554874/SQR_CN-202303041F.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: 23 Aug 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 23 Jun 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
935273548115	74ALVC244BQ,115	74ALVC244BQ,115	74ALVC244BQ	Octal buffer/line driver; 3- SOT764-1		DHVQFN20	RFS	No	Analog & Logic
935269724118	74ALVC244D,118	74ALVC244D,118	74ALVC244D	Octal buffer/line driver; 3- SOT163-1		SO20	RFS	No	Analog & Logic
935269725118	74ALVC244PW,118	74ALVC244PW,118	74ALVC244PW	Octal buffer/line driver; 3- SOT360-1		TSSOP20	RFS	No	Analog & Logic
935285552115	74ALVC245BQ,115	74ALVC245BQ,115	74ALVC245BQ	Octal bus transceiver; 3-st SOT764-1		DHVQFN20	RFS	No	Analog & Logic
935269727118	74ALVC245D,118		74ALVC245D	Octal bus transceiver; 3-st SOT163-1		SO20	RFS	No	Analog & Logic
935269726118	74ALVC245PW,118	74ALVC245PW,118	74ALVC245PW	Octal bus transceiver; 3-st SOT360-1		TSSOP20	RFS	No	Analog & Logic
935285555115	74ALVC373BQ,115		74ALVC373BQ	Octal D-type transparent I SOT764-1		DHVQFN20	RFS	No	Analog & Logic
935269730118	74ALVC373D,118		74ALVC373D	Octal D-type transparent I SOT163-1		SO20	RFS	No	Analog & Logic
935269731118	74ALVC373PW,118		74ALVC373PW	Octal D-type transparent I SOT360-1		TSSOP20	RFS	No	Analog & Logic
935285558115	74ALVC374BQ,115		74ALVC374BQ	Octal D-type flip-flop; posi SOT764-1		DHVQFN20	RFS	No	Analog & Logic
935269733118	74ALVC374D,118		74ALVC374D	Octal D-type flip-flop; posi SOT163-1		SO20	RFS	No	Analog & Logic
935269732118	74ALVC374PW,118	74ALVC374PW,118	74ALVC374PW	Octal D-type flip-flop; posi SOT360-1		TSSOP20	RFS	No	Analog & Logic
935282081115	74ALVC541BQ,115	74ALVC541BQ,115	74ALVC541BQ	Octal buffer/line driver; 3- SOT764-1		DHVQFN20	RFS	No	Analog & Logic
935269734118	74ALVC541D,118		74ALVC541D	Octal buffer/line driver; 3- SOT163-1		SO20	RFS	No	Analog & Logic
935269735118	74ALVC541PW,118	74ALVC541PW,118	74ALVC541PW	Octal buffer/line driver; 3- SOT360-1		TSSOP20	RFS	No	Analog & Logic
935273687115	74ALVC573BQ,115		74ALVC573BQ	Octal D-type transparent I SOT764-1		DHVQFN20	RFS	No	Analog & Logic
935269737118	74ALVC573D,118		74ALVC573D	Octal D-type transparent I SOT163-1		SO20	RFS	No	Analog & Logic
935269736118	74ALVC573PW,118	74ALVC573PW,118	74ALVC573PW	Octal D-type transparent I SOT360-1		TSSOP20	RFS	No	Analog & Logic
935285563115	74ALVC574BQ,115	74ALVC574BQ,115	74ALVC574BQ	Octal D-type flip-flop; posi SOT764-1		DHVQFN20	RFS	No	Analog & Logic
935269738118	74ALVC574D,118		74ALVC574D	Octal D-type flip-flop; posi SOT163-1		SO20	RFS	No	Analog & Logic
935269739118	74ALVC574PW,118	74ALVC574PW,118	74ALVC574PW	Octal D-type flip-flop; posi SOT360-1		TSSOP20	RFS	No	Analog & Logic