



Product Change Notification

CN-202411002F

**Issue date:** 20 Dec 2024

**Effective date:** 21 Mar 2025

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.



Phase 3 of introduction of Wingskysemi for C125 process and BOM change in existing location ATXSZ

Change  
Category

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

## Details of this change

Expansion of wafer fab capacity by introduction 12" Wingskysemi (WSS) Shanghai Dingtai Jiangxin Technology Co., Ltd. China to support customer demand.

- Additional wafer fab capacity source for C125 process at 12" Wingskysemi (Shanghai, China).
  - Qualification in accordance JEDEC and Automotive Electronics Council Q100.
  - BOM change in existing location ATXSZ to improve delamination performance.
  - No change in form, fit, function, quality, workability and reliability anticipated.
  - No impact on the product's functionality anticipated.
  - No change in data sheet and test limits.
  - No change in ordering code 12NC (sales part number).
- Phase 1 (PCN CN-202402004F) was issued on 28 June 2024 and is successfully implemented.
- Phase 2 (PCN CN-202406002F) was issued on 31 October 2024 and is successfully implemented.

Qualification\_Report\_PCN\_CN-202411002F.pdf:

[https://qcm.nexperia.com/Document/DOC-586849/Qualification\\_Report\\_PCN\\_CN-202411002F.pdf](https://qcm.nexperia.com/Document/DOC-586849/Qualification_Report_PCN_CN-202411002F.pdf)

## Why do we implement this change?

- To support increased customer demand.
- Front End capacity expansion
- Supply flexibility.
- Order Lead-Time Improvement.
- Supporting global efforts towards sustainability by reducing the use of so-called conflict minerals.

## Identification of affected products

- The traceability is given by the diffusion location identifier which is indicated on product marking (if space permits) and in Product Manufacturing Code (PMC) on reel and box labels.
- Diffusion location identifier on product marking and PMC on reel and box labels code 1st character represent the diffusion location, “w” for Wingskysemi (WSS).

### **Management summary**

Phase 3 of introduction of Wingskysemi (WSS) Shanghai Dingtai Jiangxin Technology Co., Ltd. China (C125 process).

### **Product availability**

#### **Production**

Planned first shipment: 20 Mar 2025

#### **Sample information**

Samples are available upon request

### **Impact**

No impact to the product's functionality anticipated

- No impact to product functionality is anticipated.
- Matching wafer PCM (Process Control Modules) and product parameters by 1.5 delta/sigma.
- No change in form, fit, function, quality, workability and reliability anticipated.
- No change in data sheet and test limits.
- No change in ordering code 12NC (sales part number).

#### **Data sheet revision**

No impact to existing datasheet

## Disposition of old products

Not applicable, additional wafer fab location.

## Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 19 Jan 2025. Lack of acknowledgement of the PCN constitutes acceptance of the change.

## Additional information

[View Change Notification Online](#)

## Remarks

Wafer fab diffusion location identifier on product (topside) marking (if space permits) and on reel and box labels: “w”= Wingskysemi (WSS) Shanghai Dingtai Jiangxin Technology Co., Ltd. China. PCN samples are available upon request via Helpdesk+ from BG IC Solutions 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 your distribution partner.

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