



Product Change Notification

CN-202402004F

Issue date: 28 Jun 2024

Effective date: 02 Oct 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.



Phase 1 of introduction of Wingskysemi (WSS)  
Shanghai Dingtai Jiangxin Technology Co., Ltd. China  
(C125 process)

Change Category

|                                     |                          |   |                               |                                     |  |
|-------------------------------------|--------------------------|---|-------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input type="checkbox"/> |   |                               |                                     |  |
| Wafer                               | Assembl                  |   |                               |                                     |  |
| Fab                                 | y                        |   |                               |                                     |  |
| Process                             | Process                  |   |                               |                                     |  |
| <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> Product Marking | <input type="checkbox"/> Test | <input type="checkbox"/> Design     |  |
| Wafer                               | Assembl                  | <input type="checkbox"/> Mechanical                 | Location                      | <input type="checkbox"/> Errata     |  |
| Fab                                 | y                        | Specification                                       | <input type="checkbox"/> Test | <input type="checkbox"/> Electrical |  |
| Material                            | Material                 | <input type="checkbox"/> Packing/Shipping/Labeli    | Process                       | spec./Te                            |  |
| s                                   | s                        | ng  | <input type="checkbox"/> Test | st                                  |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |   | Equipme                       | coverage                            |  |
| Wafer                               | Assembl                  |   | nt                            |                                     |  |
| Fab                                 | y                        |   |                               |                                     |  |
| Locatio                             | Location                 |   |                               |                                     |  |
| n                                   |                          |   |                               |                                     |  |

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.

Qualification\_Report\_PCN\_CN-202402004F\_WSS\_C125.pdf:

[https://qcm.nexperia.com/Document/DOC-576230/Qualification\\_Report\\_PCN\\_CN-202402004F\\_WSS\\_C125.pdf](https://qcm.nexperia.com/Document/DOC-576230/Qualification_Report_PCN_CN-202402004F_WSS_C125.pdf)

### **Why do we implement this change?**

- To support increased customer demand.
- Front End capacity expansion.
- Supply flexibility.
- Order Lead-Time Improvement.

### **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 1 of introduction of Wingskysemi (WSS) Shanghai Dingtai Jiangxin Technology Co., Ltd. China (C125 process).

## **Product availability**

### **Production**

Planned first shipment: 01 Oct 2024

### **Sample information**

Samples are available upon request

## **Impact**

No impact to the product's functionality 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 31 Jul 2024. 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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