



Product Change Notification

CN-202501002F

Issue date: 02 Jul 2025

Effective date: 30 Sep 2025

Dear L Vidhya,

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 2 of introduction of 12" Wingskysemi (WSS) for C075 process and BOM change in existing location ATSN and UTL

Change Category

| | | | | |
|--|--|---|---|---|
| <input type="checkbox"/> Wafer Fab Process | <input checked="" type="checkbox"/> Assembly Process | <input checked="" type="checkbox"/> Product Marking | <input type="checkbox"/> Test Location | <input type="checkbox"/> Design |
| <input 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 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

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 C075 process at 12" Wingskysemi (Shanghai, China)
- Qualification in accordance with JEDEC and Automotive Electronics Council Q100
- BOM change for leadless packages ATSN (Nexperia Malaysia) and UTL (UTAC Thailand) to support zero delamination

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)

- Second phase of WSS C075 introduction, phase 1 introduced by PCN CN-202409027F and released for mass production

SQR_PCN_CN-202501002F_WSS_C075_phase_2.pdf: https://qcm.nexperia.com/Document/DOC-597382/SQR_PCN_CN-202501002F_WSS_C075_phase_2.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 2 of introduction of Wingskysemi (WSS) Shanghai Dingtai Jiangxin Technology Co., Ltd. China (C075 process).

Product availability

Production

Planned first shipment: 01 Oct 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 01 Aug 2025. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

[View Change Notification Online](#)

Remarks

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. 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.

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.

About Nexperia B.V.

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