Product Change Notification CN-202402003F

Issue date: 23 Dec 2024

Effective date: 24 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.

Introduce additional subcon TFME (for selected TSSOP14/16) and BOM change in existing location ATXSZ (SO14/16 & TSSOP14/16/20)

Change Category

[ ] Wafer Fab Process
[ ] Wafer Fab Materials
[ ] Wafer Fab Location
[X] Assembly Process
[X] Assembly Materials
[X] Assembly Location
[X] Product Marking
[ ] Mechanical Specification
[ ] Packing/Shipping/Labeling
[X] Test Location
[ ] Test Process
[X] Test Equipment
[ ] Design
[ ] Errata
[ ] Electrical spec./Test coverage

Details of this change

Introduce additional Full Turnkey subcon
TFME and BOM change in existing location ATXSZ
to standardize and improve quality and support market growth and customer demand. (Phase 2).

- No change in form, fit, function, quality, workability and reliability anticipated.
- No impact on the product's functionality anticipated.
- No change in diffusion fab location or fab process (same die with same electrical distribution).
- No change in data sheet and test limits.
- No change in ordering code 12NC (sales part number).
- Phase 1 ATXSZ (communicated via PCN CN-202307004F) has been implemented.

Qualification_Report_PCN_CN-202402003F.pdf:
https://qcm.nexperia.com/Document/DOC-586924/Qualification_Report_PCN_CN-202402003F.pdf

Why do we implement this change?

- Introduce 2nd source production location TFME
to support market growth and secure contingency situation.
- To support increased customer demand.
- Order Lead-Time Improvement.
- Improved delamination performance.
- Supporting global efforts towards sustainability by reducing the use of so-called conflict minerals.

Identification of affected products

Assembly location identifier on product marking and Product Manufacturing Code (PMC) on reel and box labels code 2nd character represent the assembly location, “X” for ATXSZ and “2” for TFME.

Management summary

Nexperia is pleased to announce TFME (TongFu Microelectronics Co. Ltd. Nantong China) as additional location for assembly and test TSSOP14/16 Nexperia products. The existing assembly and test location ATXSX (ATX Semiconductors Suzhou China) will change BOM to secure standardization on product level.

Product availability

Production

Planned first shipment: 23 Mar 2025

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

Data sheet revision

No impact to existing datasheet

Disposition of old products

Shipment of changed product to start after depletion existing materials.

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 22 Jan 2025. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

View Change Notification Online

Remarks

Assembly location indicator suffix on the product topside marking and on the reel and box label: "X"= ATXSZ (Nexperia Assembly and Test Plant Suzhou China) and "2"= TFME (TongFu Microelectronics Co. Ltd. Nantong China). Samples are available upon request via Helpdesk+ from BG IC Solutions sample store in Nijmegen the Netherlands. Maximum sample order 300 pieces per type for limited products.

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 you distribution partner.

About Nexperia B.V.

We at Nexperia are the efficiency semiconductor company. We deliver over 90 billion products a year and as such service thousands of global customers, both directly and through our extensive network of channel partners. We are at the heart of billions of electronic devices in the Automotive, Mobile, Industrial, Consumer, Computing, and Communication Infrastructure segments.

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