

Final Product Change Notification

202101004F01

Issue Date: 01-May-2021
Effective Date: 30-Oct-2021

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Management Summary

Assembly and test transfer XQFN10/12/16 packages from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ASEN (ASE Group, Plant Suzhou China)

Change Category

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

Assembly & test transfer XQFN10/12/16 (SOT1160/1174/1161) packages from ATBK to ASEN

Details of this Change

Assembly and test transfer XQFN10 (SOT1160), XQFN12 (SOT1174) and XQFN16 (SOT1161) packages from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ASEN (ASE Group, Plant Suzhou China)

- No change in fab process or fab location (continue wafer fab NXP ICN8, Nijmegen The Netherlands and ASMC, Shanghai China)
- No change in die (same electrical distribution)
- No change in datasheet and test limits
- No change in bonding wire (continue Au-wire)
- No change in datasheet, form, fit, function, quality or reliability anticipated

Qualification in accordance to the Automotive Electronics Council:
 - AEC-Q100-rev. H Stress Test Qualification for Integrated Circuits

Please use the below link to access related documentation to this change notification

Qualification Report: https://qcm.nexperia.com/change-notification-epcn/Nexperia_SQR_PCN_202101004F01_XQFN_ASEN.pdf

Why do we Implement this Change

- Introduction of ASEN as single source mass production location for XQFN10/12/16 packages
- Expansion of the package portfolio in ASEN

Identification of Affected Products

- The traceability is given by the assembly location indicator suffix which is indicated on the reel and box label

Product Availability

Sample Information

Samples are available upon request

Samples are available upon request via Helpdesk+ from BG Analog & Logic ICs sample store in Nijmegen The Netherlands

Production

Planned first shipment 30-Oct-2021

Impact

No impact to the product's functionality or parametric spread anticipated

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 31-May-2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Remarks

Assembly location indicator suffix on the reel and box label:

"X"= ASEN (ASE Group Assembly & Test Plant Suzhou China)

"n"= ATBK (NXP Semiconductors Assembly & Test Plant Bangkok, Thailand)

Contact and Support

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support team.

In case of distribution, please contact your distribution partner.

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Affected OPN

74AVC2T245GUX	NXS0104GU12X
NXB0104GU12X	74AVC4T3144GU12X
74AUP2G57GUX	74AVC4TD245GU,115
74AUP2G58GUX	74AVCH4T245GU,115
LSF0204GU12X	74AVC4T245GU-Q100X
74AVC4T774GUX	74CBTLV3257GUX
74AVC4T245GU,115	74AVC2T245GU-Q100X

