

Final Product Change Notification

201911007F01

Issue Date: 31-Dec-2019
Effective Date: 30-Mar-2020

Here's your personalized quality information concerning products Digi-Key purchased from Nexperia. For detailed information we invite you to view this notification online



Management Summary

Re-layout of die for products assembled in SOT353 package in ATSN (Nexperia Assembly & Test Plant Seremban Malaysia)

Change Category

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

Bond-pad relocation for products assembled in SOT353 in ATSN, Malaysia

Details of this Change

Bond-pad relocation for products assembled in SOT353 in ATSN (Nexperia Assembly & Test Plant Seremban Malaysia)

- Created optimized die for SOT353 package
- Improved die aspect ratio and bond-pad relocation to improve intrinsic quality for wire-bond process
- Identical IP used resulting in same performance as existing die
- No change in diffusion fab, assembly location or ordering part number

Why do we Implement this Change

To improve the intrinsic quality

Identification of Affected Products

The changed products can be identified by backward traceability of the product marking date code as well as on the reel and box labels

Product Availability

Sample Information

Samples are available upon request
 Samples are available upon request from the Logic sample store Nijmegen The Netherlands

Production

Planned first shipment 30-Mar-2020

Impact

No change in form, fit, function, quality or reliability anticipated
No change in electrical distribution
No change in data sheet and test limits
No assembly location change
No fab location change

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 30-Jan-2020. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact Nexperia "Global Quality Support Team".

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

At Nexperia B.V. we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

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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Affected Part Numbers

74AUP1G07GW,125	74LVC1G125GW,125
74LVC1G02GW,125	74AUP1G04GW,125
74LVC1G32GW,125	74LVC1GU04GW,125
74AUP1G08GW,125	74AUP1G32GW,125
74AUP1G126GW,125	74LVC1G06GW,125
74LVC1G14GW,125	74LVC1G126GW,125
74LVC1G34GW,125	74AUP1G02GW,125
74LVC1G07GW,125	74LVC1G17GW,125
74LVC1G00GW,125	74LVC1G08GW,125
74AUP1G34GW,125	74LVC1G04GW,125