

Final Product Change Notification

202104009F01

Issue Date: 07-Jul-2021
Effective Date: 05-Oct-2021

Here's your personalized quality information concerning products Digi-Key purchased from Nexperia.
 For More details Please Contact your respective Nexperia CSR/AM.



Management Summary

Improved leadless 8 pad packages to achieve zero delamination

Change Category

- | | | | | |
|--|--|--|---|---|
| <input type="checkbox"/> Wafer Fab Process | <input type="checkbox"/> Assembly Process | <input 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 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 |

Improved leadless 8 pad packages to achieve zero delamination in ATSN, Malaysia

Details of this Change

Improved BOM of leadless 8 pad packages to achieve zero delamination in ATSN (Nexperia Assembly & Test Plant Seremban Malaysia)

- BOM change for zero delamination performance
- Enhanced mould compound
- Introduced rough PPF inner leadframe
- Changed lead finish from Sn to enhanced NiPdAu (alignment with packages which were released since 2015)
- No change of die, diffusion fab, assembly location or ordering part number

Please use the below link to access related documentation to this change notification
https://qcm.nexperia.com/change-notification-epcn/SQR_PCN_202104009F01_final.pdf

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 via Helpdesk+ from BG Analog & Logic ICs sample store in Nijmegen The Netherlands

Production

Planned first shipment 05-Oct-2021

Impact

no impact to the product's functionality 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 06-Aug-2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Remarks

- No change in data sheet electrical specification, test limits and distributions
- No assembly location change
- No waferfab location change

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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Changed Orderable Part#	Changed Part 12NC
74AUP2G32GXX	935339797115
LSF0102GXX	935690294115
74AVC2T45GS,115	935292793115
74LVC2G240GT,115	935282652115
74LVC2T45GT,115	935284758115
74LVCH2T45GT,115	935284762115
74LVC1G123GN,115	935295674115
74LVC2G00GS,115	935292381115

74LVC3G06GT,115	935278932115
74LVC3G06GS,115	935292809115
74AVC1T8128GSX	935690695115
74LVC2G86GT,115	935278927115
74AVC2T45GT,115	935283715115
74LVC2G32GS,115	935292384115
74LVC3G17GT,115	935278935115
74LVC1G74GS,115	935292795115
74AUP2G32GT,115	935280714115
74LVC2G74GS,115	935292799115
74LVC3G07GS,115	935292811115
74AXP2T45GXX	935690876115
74LVC2T45GS,115	935292804115
74AUP3G34GSX	935305161115
74LVC2G02GS,115	935292371115
LSF0102GSX	935691115115
74AUP1G74GS,115	935292775115
74LVC2G126GT,115	935278925115
74LVC2G08GT,115	935278921115
74LVC1G53GT,115	935280312115
74LVC2G125GT,115	935278924115
74AVC1T8832GSX	935690694115
74LVC3G34GT,115	935278936115
74HC2G66GT,115	935293604115
74AUP2G02GS,115	935292369115
74LVC1G74GT,115	935278917115
74AXP2T3407GNX	935306975115
74CBTLV3306GTX	935308825115
74AUP2G157GT,115	935280735115
74LVC2G32GT,115	935278922115
74AVCH2T45GT,115	935283722115
74AUP2G125GS,115	935292782115
74LVC2G66GT,115	935280087115
NCA9306GXX	935691025115
74LVC2G241GS,115	935292798115
74LVC1G99GT,115	935284437115
74LVC2G08GS,115	935292382115
74LVC2G66GN,115	935292247115
74LVC3G04GT,115	935278931115
74AVC9112GTX	935690125115