

Final Product Change Notification

202004005F01

Issue Date: 24-Dec-2020
Effective Date: 24-Mar-2021

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 For More details Please Contact your respective Nexperia CSR/AM.



Management Summary

Introduction of Vanguard International Semiconductor Corporation (VIS) in Hsinchu Science Park Taiwan for selected Logic products

Change Category

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

Expansion of wafer fab capacity by introduction Vanguard Semiconductors, C125 process

Details of this Change

Expansion of wafer fab capacity by introduction Vanguard Semiconductors (Hsinchu Science Park, Taiwan) to meet customer demand

- Additional source for C125 process at Vanguard Semiconductors (Hsinchu, Taiwan) next to NXP ICN8 (Nijmegen, The Netherlands) and ASMC (Shanghai, China)
- For selected C125 processed Logic products

Please find the Qualification Report here: https://qcm.nexperia.com/change-notification-epcn/PCN_202004005F01_SQR_VIS_C125.pdf

Why do we Implement this Change

- Front End capacity expansion
- Flexibility

Identification of Affected Products

- The changed products can be identified by date code
- The change can be identified by backward traceability
- Diffusion fab location can be identified on top side marking and/or 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 24-Mar-2021

Impact

- No impact
- No change in form, fit, function, quality or reliability
- Matching wafer PCM (Process Control Modules) and product parameters by 1.5 delta/sigma

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Products will continue to be diffused in ICN8 / ASMC and will continue to ship to meet customer demand

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 23-Jan-2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Remarks

Wafer Fab Indicators:

"Y"= ASMC, Shanghai, China

"T"= NXP ICN8, Nijmegen, Netherlands

"r"= Vanguard International Semiconductor Corporation (VIS), Hsinchu, Science Park, Taiwan

- No change in form, fit, function, quality or reliability
- No change in data sheet and test limits
- No change in ordering code 12NC's

Contact and Support

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.

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Affected Orderable Part#

74LVC1G08GW,125	74LVC14AD,118	74LVC1G04GM,115	74LVC1G32GW,125
74LVC2G07GM,115	74LVC1G97GW,125	74LVC1G125GW,125	74LVC1G17GM,115
74LVC1G17GV,125	74LVC244ABQ,115	74LVC14AD,112	74LVC1G66GM,115
74LVC08AD,112	74LVC125ABQ,115	74LVC1G125GS,132	74LVC1G07GW,125
74LVC245AD,112	74LVC1G08GM,115	74LVC138AD,118	74LVC244APW,112
74LVC1G07GV,125	74LVC1G97GV,125	74LVC1G3157GXZ	74LVC08AD,118
74LVC138APW,118	74LVC1G125GV,125	74LVC125APW,112	74LVC1G125GXH
74LVC1G97GM,132	74LVC2G14GV,125	74LVC1G3157GW,125	74LVC14ABQ,115
74LVC1G14GW,125	74LVC125AD,118	74LVC125APW,118	74LVC1G07GM,115
74LVC2G07GV,125	74LVC1G04GV,125	74LVC1G14GV,125	74LVC1G66GW,125
74LVC125AD,112	74LVC1G66GN,132	74LVC14APW,112	74LVC08ABQ,115
74LVC1G3157GV,125	74LVC2G34GV,125	74LVC244APW,118	74LVC245ABQ,115
74LVC2G34GM,115	74LVC1G3157GM,115	74LVC2G17GV,125	74LVC2G17GW,125
74LVC1G04GS,132	74LVC08APW,112	74LVC244AD,118	74LVC138ABQ,115
74LVC245APW,112	74LVC2G34GW,125	74LVC245AD,118	74LVC2G14GW,125
74LVC1G17GX,125	74LVC1G3157GS,132	74LVC1G14GS,132	74LVC138APW,112
74LVC2G14GM,115	74LVC1G04GW,125	74LVC1G66GV,125	74LVC1G08GV,125
74LVC1G32GM,115	74LVC08APW,118	74LVC245APW,118	74LVC1G32GV,125
74LVC1G3157GN,132	74LVC1G17GW,125	74LVC2G17GM,132	
74LVC1G125GM,115	74LVC2G07GW,125	74LVC14APW,118	