

Final Product Change Notification

202004006F01

Issue Date: 24-Dec-2020

Effective Date: 24-Mar-2021

Dear *Emma Tempest*,

Here's your personalized quality information concerning products Premier Farnell PLC purchased from Nexperia.

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 (PC300 / 350)

Details of this Change

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

- Additional source for PC300 / PC350 process at Vanguard Semiconductors (Hsinchu, Taiwan) next to NXP ICN8 (Nijmegen, The Netherlands) and ASMC (Shanghai, China)
- For selected PC300 / PC350 processed Logic products

Please find the Qualification Report here: https://gcm.nexperia.com/change-notification-epcn/PCN_202004006F01_SQR_VIS_C300_350.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

Additional information

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.

For specific questions on this notice or the products affected please contact our specialist directly:

e-mail address PCN-Logic@nexperia.com

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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