

## Final Product Change Notification

202105004F01

**Issue Date:** 07-Jul-2021

**Effective Date:** 05-Oct-2021

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

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



**Quality**



### Management Summary

Last phase of assembly and test transfer product types in SO20 package 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

Last phase of assembly and test transfer SO20 package from ATBK to ASEN

### Details of this Change

Last phase of assembly and test transfer product types in SO20 package from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ASEN (ASE Group, Plant Suzhou China)

- No change in waferfab process or fab location
- No change in die (same electrical distribution)
- No change in datasheet and test limits
- No change in 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
- AEC-Q006-rev. A Qualification requirements for Cu-wire interconnection

Please use the below link to access related documentation to this change notification  
[https://gcm.nexperia.com/change-notification-epcn/SQR\\_PCN-202105004F01\\_%20final.pdf](https://gcm.nexperia.com/change-notification-epcn/SQR_PCN-202105004F01_%20final.pdf)

#### **Why do we Implement this Change**

- Last phase of transfer SO20 products into ASEN
- Create dual source capability

#### **Identification of Affected Products**

- The traceability is given by the assembly location indicator suffix which is indicated on the product topside marking and on the reel and box label, see remarks

### **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 change in form, fit, function, quality or reliability anticipated
- No change in die (same electrical distribution)
- No change in datasheet and test limits
- No change in ordering code 12NC's

#### **Data Sheet Revision**

No impact to existing datasheet

#### **Disposition of Old Products**

Not applicable, products will continue to be assembled in ATBK

### **Additional information**

#### **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**

Assembly location indicator suffix on the product topside marking and 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.

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

**e-mail address** [PCN@nexperia.com](mailto:PCN@nexperia.com)

In case of distribution, please contact your distribution partner.

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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