

**Final Product Change Notification**

202105004F01

**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**

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://qcm.nexperia.com/change-notification-epcn/SQR\\_PCN-202105004F01\\_%20final.pdf](https://qcm.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

### **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)

### **About Nexperia B.V.**

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**Changed Orderable Part#**

**Customer Part#**

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74HCT9114D,118  
74HC9115D,118  
74HC241D,653  
74HCT4351D,118  
74HC299D,653  
HEF40244BT,653  
74HC4351D,653  
74HC7541D,118  
74HCT7541D,118  
74HC7540D,118  
74HC540D,653

74HCT9114D,118  
74HC9115D,118  
74HC241D,653  
74HCT4351D,118  
74HC299D,653  
HEF40244BT,653  
74HC4351D,653  
74HC7541D,118  
74HCT7541D,118  
74HC7540D,118  
74HC540D,653