# nexperia

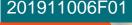
## **Final Product Change Notification**

## 201911006F01

Issue Date: 11-Jan-2020 Effective Date: 25-Apr-2020

Here's your personalized quality information concerning products Digi-Key purchased from Nexperia.

For detailed information we invite you to view this notification online





## **Change Category**

[X] Wafer Fab Process

[X] Wafer Fab Materials

[] Wafer Fab Location

Release of 8 inch wafer diameter for low leakage switching diodes

[] Assembly Process [] Assembly Materials [] Assembly Location

[] Product Marking	[] Test	[] Design
[] Mechanical Specification	Location []Test	[] Errata
	Process	
[]		[] Electrical
Packing/Shipping/Labeling	Equipment	spec./Test
		coverage

### **Details of this Change**

Release of 8 inch wafer diameter for switching diodes in various packages.

Old products: Production using 6 inch wafer diameter. Changed products: Production using 6 and 8 inch wafer diameter.

Please refer to the Self Qualification Report for details and list of affected product types. Production on 8 inch wafer diameter implies the use of the respective 8 inch wafer process technology.

## Why do we Implement this Change

- Improved supply situation by capacity expansion in the waf fab

- State of the Art technology by continuous alignment with world class technology trends
- Increased flexibility and improved volume ramp-up

Identification of Affected Products

The 8 inch products can be identified by a marker on the die surface.

Changed products can be identified by date code after implementation.

**Product Availability** 

Sample Information Samples are available upon request Latest sample request date for PCN samples is 05-Febuary-2020. Production Planned first shipment 20-Apr-2020

### Impact

No impact on the products' functionality anticipated.

Data Sheet Revision

No impact to existing datasheet

**Disposition of Old Products** Existing inventory will be shipped until depleted

Supply using 6 inch wafer will be continued in parallel to 8 inch wafer production.

#### **Timing and Logistics**

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 10-Feb-2020. Lack of acknowledgement of the PCN constitutes acceptance of the change.

#### **Contact and Support**

For all inquiries regarding the ePCN tool application or access issues, please contact Nexperia "Global Quality Support Team".

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.

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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### **Affected Part Numbers**

BAS116,235 BAS116H,115 BAS416F BAS416Z BAW156VL BAV199W,115 BAS716,115 BAW156,215 BAS416,115 BAV170,215 BAS116,215 BAV199,215 BAV199,235