

**Advance Product Change Notification**

201612035A

**Issue Date:** 04-Mar-2017

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**

- |   |   |  |   |   |
|---|---|--|---|---|
| <input checked="" type="checkbox"/> Wafer Fab Process   | <input type="checkbox"/> Assembly Process   | <input type="checkbox"/> Product Marking           | <input type="checkbox"/> Test Location  | <input type="checkbox"/> Design                         |
| <input checked="" 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 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 |

**Release of 8 inch wafer diameter for low VF Schottky barrier rectifiers**

**Details of this Planned Change**

Release of production using 8 inch wafer diameter for low VF Schottky barrier rectifiers in SOD123F, SOD323 (SC-76), SOD523 (SC-79), SOD882, SOD882D and SOT23 packages.  
In addition the sawing lane width will be reduced by 10µm for some affected types affecting the die pitch size. No change of die design and active area.

Old products: Production using 6 inch wafer diameter with currently used sawing lane width.  
Changed products: Production using 6 and 8 inch wafer diameter with adapted sawing lane width for some affected types with 8 inch wafer diameter.

Production on 8 inch wafer diameter implies the use of the respective 8 inch wafer process technology.

**Why do we Plan this Change**

To increase flexibility and 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  
Samples can be ordered now and will be shipped latest with FPCN issue date.

### Impact

No impact to the products' functionality anticipated.

### Disposition of Old Products

Supply using 6 inch wafer will be continued.

## Timing and Logistics

The Self Qualification Report will be ready on 27-Mar-2017.  
The Final PCN is planned to be issued on: 27-Mar-2017.  
Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 03-Apr-2017.

## 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.

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

**e-mail address**      DiscrQA.Helpdesk.GA-Products@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.

Nexperia Quality Management Team.

**Manchester:** powermos.pcn@nexperia.com

**Nijmegen:** logic.helpdesk@Nexperia.com

**Hamburg:** DiscrQA.Helpdesk.GA-Products@nexperia.com

## About Nexperia B.V

We at Nexperia are the efficiency semiconductor company. We deliver over 70 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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Nexperia B.V.  
Jonkerbosplein 52 6534 AB Nijmegen, The Netherlands

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**Affected Part Numbers**

1PS79SB10,115	PMEG4010BEA,135
PMEG6002ELDYL	PMEG2020AEA,115
1PS76SB21,115	PMEG2020AEA,115
1PS76SB21,115	PMEG2020EJ,115
BAT721A,215	PMEG2020EJ,115
BAT721A,215	PMEG3005EJ,115
BAT721S,215	PMEG3005EJ,115
BAT721S,215	PMEG2010AEJ,115
BAT760,115	PMEG2010AEJ,115
BAT760,115	PMEG4005EH,115
PMEG3002AEB,115	PMEG4005EH,115
PMEG3002AEB,115	PMEG2020EH,115
BAT54L,315	PMEG2020EH,115
BAT54L,315	PMEG4010EH,115
PMEG4005AEA,115	PMEG4010EH,115
PMEG4005AEA,115	PMEG6002EB,115
PMEG2010BEA,115	PMEG6002EB,115
PMEG2010BEA,115	BAT54J,115
PMEG3010BEA,115	BAT54J,115
PMEG3010BEA,115	RB521S30,115
PMEG4010BEA,115	RB521S30,115
PMEG4010BEA,115	PMEG6002ELDYL
PMEG4010BEA,135	1PS79SB10,115