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DATE: 11/30/16

PCN #: 16-32

PCN Title: Fab porting and die shrink

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. If you require samples for evaluation purposes, please make a request within 30 days as well. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



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**PRODUCT CHANGE NOTICE****PCN-16-32**

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Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
<sup>30</sup> th November, 2016	1 <sup>st</sup> March, 2017	Bus Switch	Die revision change	<b>16-32</b>
TITLE				
Fab porting and die shrink for PI3L100QE and PI3B3126LE				
DESCRIPTION OF CHANGE				
<p>Diodes/Pericom would like to formally notify all customers that we are porting some bus switch products from Global Foundry 0.35 micron, 3-volt CMOS process to previously qualified MagnaChip's foundry using the same process. Layout optimization (shrink-die) was also done without major die re-design.</p> <p>The electrical performance of the product meets the existing datasheet specification, which will not change. The die was fully qualified and characterized to ensure equivalent performance. We do not anticipate any application issue with the changes. Customers can request samples if they want to verify it's compatibility in their design and to qualify this new version.</p> <p><i>At the end of 90 day notice or customer approval for shipments prior to effective date, customer should expect to receive products from both die versions until the old die inventory was exhausted.</i></p>				
IMPACT				
Fab porting and die shrink. The electrical performance of the product meets the existing datasheet specification, which will not change.				
PRODUCTS AFFECTED				
<p>Please see the attached part list below in Table 1.</p> <p>Note:</p> <p>1) The distinguishing means for old and new die will be identified by the datecode. The devices that uses the new die will have last letter suffix "G" in the date code.</p> <p>Example:</p> <p>Date code of Old die = 1648JC, where C is the fab code for Global Foundry (formerly CSM)</p> <p>Date code of New die = 1648JG, where G is the fab code for Magnachip</p>				
WEB LINKS				
<b>Manufacturer's Notice:</b>	<a href="https://www.pericom.com/support/quality/change-notices/">https://www.pericom.com/support/quality/change-notices/</a>			
<b>For More Information Contact:</b>	<a href="mailto:pca_pcn_pdn@diodes.com">pca_pcn_pdn@diodes.com</a>			
<b>Data Sheet:</b>	<a href="https://www.pericom.com/">https://www.pericom.com/</a>			
DISCLAIMER				
<b>Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.</b>				

PCN # 16-32, Affected Part Numbers List

Diodes/Pericom P/N
PI3L100QE
PI3L100QEX
PI3B3126LE
PI3B3126LEX