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DATE: 16<sup>th</sup> January, 2018

PCN #: 2293

PCN Title: Fab Transfer for PT7C4512WE and PT7C4512WEX Devices Due to Current Fab Closure

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-2293 REV 1**

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Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
16 <sup>th</sup> January, 2018	Immediate	Analog	Fab site change	2293
TITLE				
Fab Transfer for PT7C4512WE and PT7C4512WEX Devices Due to Current Fab Closure				
DESCRIPTION OF CHANGE				
<p>This PCN is to notify customers that Global Foundry located in Singapore, has closed their 0.5 micron production line. In order to ensure continuity of supply, Diodes is transferring PT7C4512WE and PT7C4512WEX from Global Foundry 0.5 micron, 5-volt CMOS process to previously qualified MagnaChip's Fab3 foundry located in Korea, using the 0.5 micron, 3.3-volt process. Layout optimization was performed without major die re-design. The new die will also be using copper wire which has been qualified and is in mass production in the same assembly and test site.</p> <p>Full electrical characterization and high reliability testing has been completed on representative part numbers to ensure there is no change to device functionality or electrical specifications in the datasheet. See attached (embedded) qualification reports.</p> <p><i>This PCN will be implemented immediately. Customers should expect to receive products from both die versions until the old die inventory is exhausted.</i></p> <p>Please contact your local Diodes representatives for any questions or additional information.</p>				
IMPACT				
<p>There will be no change to the Form, Fit, or Function of products affected.</p> <p>The distinguishing means for old and new die will be identified by the date code. The devices that use the new die will have last letter suffix "G" in the date code.</p> <p>Example: Date code of Old die = 1721KC, where C is the fab code for Global Foundry (formerly CSM) Date code of New die = 1721KG, where G is the fab code for Magnachip</p>				
PRODUCTS AFFECTED				
PT7C4512WE, PT7C4512WEX				
WEB LINKS				
Manufacturer's Notice:	<a href="https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/">https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/</a>			
For More Information Contact:	<a href="mailto:pca_pcn_pdn@diodes.com">pca_pcn_pdn@diodes.com</a>			
Data Sheet:	<a href="http://www.diodes.com/index.php">http://www.diodes.com/index.php</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>				