



DATE: October 20, 2020

PCN #: 2488

PCN Title: Fab Porting from Global Foundries to MagnaChip, Assembly Site Transfer, and BOM Change

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. Otherwise, samples may not be built prior to this change. 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.

The changes announced in this PCN will not be implemented earlier than 90 days from the notification date stated in the attached PCN form.

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-2488 REV 1**

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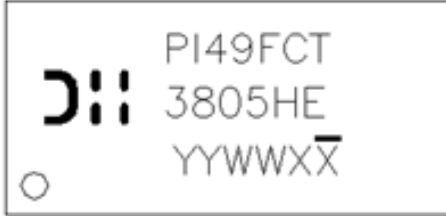
Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
October 20, 2020	January 20, 2021	Analog	Fab Change, A/T Site and BOM	<b>2488</b>
<b>TITLE</b>				
Fab Porting from Global Foundries to MagnaChip, Assembly Site Transfer, and BOM Change				
<b>DESCRIPTION OF CHANGE</b>				
<p>As already announced in PCN-2326 Global Foundries in Woodlands, Singapore closed their 0.35um technology wafer production on December 15, 2018.</p> <p>In order to assure continuity of supply, Diodes transferred wafer manufacturing to Magnachip Semiconductor located in Heungdeok-gu, Korea using 0.30um technology.</p> <p>This PCN is being issued to notify customers that, in order to assure continuity of supply, Diodes will transfer assembly and test to Greatek Electronics Inc. in Miaoli, Taiwan. Diodes is also changing the device marking including Diodes logo (see Figure 1).</p> <p>Full electrical characterization and high reliability testing has been completed on representative part numbers. Refer to the attached qualification / reliability report (embedded in this file).</p>				
<b>IMPACT</b>				
Continuity of Supply. No impact to fit and function.				
<b>PRODUCTS AFFECTED</b>				
Table 1 - Fab Porting (Global Foundry to Magnachip) Table 2 - Fab Porting (Global Foundry to Magnachip), New A/T Site(UTAC to Greatek) and New BOM(Copper bond wire) Table 3 - Fab Porting (Global Foundry to Magnachip) and New BOM (Copper bond wire)				
<b>WEB LINKS</b>				
<b>Manufacturer's Notice:</b>	<a href="https://www.diodes.com/quality/product-change-notice/diodes-product-change-notice/">https://www.diodes.com/quality/product-change-notice/diodes-product-change-notice/</a>			
<b>For More Information Contact:</b>	<a href="http://www.diodes.com/contacts.html">http://www.diodes.com/contacts.html</a>			
<b>Data Sheet:</b>	<a href="http://www.diodes.com/catalog">http://www.diodes.com/catalog</a>			
<b>DISCLAIMER</b>				
<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>				

Table 1 - Fab Porting (Global Foundry to Magnachip)			
PI49FCT20807HE	PI49FCT20807HEX		

Table 2 - Fab Porting (Global Foundry to Magnachip), New A/T Site(UTAC to Greatek) and New BOM (Copper bond wire)			
PI49FCT20802LEX	PI49FCT32803LEX	PI49FCT3803LEX	

Table 3 - Fab Porting (Global Foundry to Magnachip) and New BOM (Copper bond wire)			
PI49FCT20807QE	PI49FCT32807QE	PI49FCT3805CQE	PI49FCT3807QE
PI49FCT20807QEX	PI49FCT32807QEX	PI49FCT3805CQEX	PI49FCT3807QEX
PI49FCT32802LE	PI49FCT3805AQE	PI49FCT3805QE	PI6CV2304WE
PI49FCT32802LEX	PI49FCT3805AQEX	PI49FCT3805QEX	PI6CV2304WEX
PI49FCT32805QE	PI49FCT3805BQE	PI49FCT3807CQE	PI6CV304WE
PI49FCT32805QEX	PI49FCT3805BQEX	PI49FCT3807CQEX	PI6CV304WEX

Figure 1- Marking Change

Old marking	New marking
 <p>PI49FCT 3805HE BWYYWWX̄</p> <p>B: Fab 2 port code W: Die Rev YY: Year WW: Workweek X: Assembly Code X: Fab Code Bar above fab code denotes Cu wire</p>	 <p>PI49FCT 3805HE YYWWX̄</p> <p>YY: Year WW: Workweek 1st X: Assembly Code 2nd X: Fab Code Bar above fab code denotes Cu wire</p>