Product/Process Change (PCN) Notification

PCN Number: DOC-117873 Date Issued: April 10th, 2024 PCN Effective Date: April 10th, 2024 Product(s) Affected: PE42451 Sample Availability: July 30st , 2024 Change Control Board Approval #: CO-37223	To contact our team with questions or for more information: 1. Go to psemi.com. 2. Click the **Support** button. 3. Select the **Technical Support** tab and submit your request.

Change Category:

☒ Wafer Fabrication Process	☐ Shipping/Labeling
☐ Design/Mask Change	☐ Equipment
☒ Singulation Process	☐ Material
☐ Assembly Process	☐ Product Specification
☐ Electrical Test	☐ Product End of Life
☐ Manufacturing Site	☒ Other - Ordering codes change

Purpose of Change:

To inform PE42451 wafer fabrication sites and singulation site transfer and ordering code change in datasheet.

Description of Change:

1. MagnaChip closed their 150 mm wafer CMOS fab in South Korea. To ensure there is no disruption to supply, we have been working to transfer products from MagnaChip fab to Lapis fab in Japan along with singulation site from PSC to Unisem. Beginning July 30st , 2024, the PE42451 shipped to customers will be supplied from Lapis wafers.

Ordering codes:
(Original) MagnaChip part number: PE42451MLIAA, PE42451MLIAA-Z, EK42451-01
(New) Lapis part number: PE42451B-Z, EK42451-02

pSemi manages inventory on a First-In First-Out (FIFO) basis. For the exact timing of the order code change, please contact your account rep. or accountrep@psemi.com.

Qualification Summary:

Qualified

Customer Acknowledgement of Receipt*:

☐ Change Denied *(Include explanation in comments section below)*	**Name:**	
	Title:	

*Customer Acknowledgement is based upon JEDEC Standard, JESD46D.   Form # DOC-00558 Rev 3
If there is a difference between JEDEC and specific customer requirements,
customer requirements take precedence.

Product/Process Change (PCN) Notification

☐ Change Approved	**Company:**	
	Date:	
	Signature:	
Customer Comments:		

Product/Process Change (PCN) Notification

Revision History: <mark>Form revision history only, remove prior to use</mark>

CO#	Revision	Date	Originator	Description of Change
011069	02	2011/09/21	S. Im	* Added "Customer Acknowledgement is based upon JEDEC Standard, JESD46C. If there is a difference between JEDEC and specific customer requirements, customer requirements take precedence." *Added revision history page
CO-00601	1	2013/04/24	S. Im	Agile Migration
CO-05545	2	2014/04/15	S. Im	Changed JESD46C -> JESD46D and updated logo
CO-32866	3	15Jul2022	A Smith	Changed contact information section to instruct reader how to submit an inquiry via our website.
CO-33545	3.01	17Oct2022	A Smith	Changed revision number in footer from 2 to 3.

*Customer Acknowledgement is based upon JEDEC Standard, JESD46D.   Form # DOC-00558 Rev 3
If there is a difference between JEDEC and specific customer requirements,
customer requirements take precedence.