Product/Process Change (PCN) Notification

PCN Number: CO-16194	Contact: Elizabeth La Greca
Date Issued: February 8th, 2017	Title: Director, Sales Operations
PCN Effective Date: March 21th, 2017	Phone: 858-255-7839
Product(s) Affected: PE4314	Email: PCN@psemi.com
Sample Availability: February 8th, 2017	
Change Control Board Approval #: CO-16194	

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 Code

Purpose of Change:

Improve PE4314 spurious performance for the cable broadband market

Description of Change:

PE4314 spurious levels have been improved in the cable equipment frequency band beginning at 5 MHz. The PE4314 product specification datasheet "Spur-Free Performance" section has been updated to reflect a lower fundamental frequency of 2.6 MHz and a typical spurious level of -154dBm from 5 MHz and above. There are no other electrical specification changes to the PE4314 datasheet.

The spurious enhanced PE4314 (PE4314B-Z) has been qualified with no change to form, fit or reliability.

Ordering Code Information:

- PE4314A-Z, EK4314-01: (Original PE4314 production part and EVK)
- PE4314B-Z, EK4314-02: (New PE4314 production part and EVK)

Effective March 21th, 2017, Peregrine will no longer ship PE4314A-Z production material and will transition to shipment of PE4314B-Z production material to customers.

A qualification dataset is available and can be requested through your local Sales Representative.

For more information, please contact PCN@psemi.com.

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Customer Acknowledgement of Receipt* :

☐ Change Denied *(Include explanation in comments section below)* ☐ Change Approved	Name:	
	Title:	
	Company:	
	Date:	
	Signature:	
Customer Comments:		