

Product/Process Change (PCN) Notification

PCN Number: CO-19064 Date Issued: Dec 22 nd , 2017 PCN Effective Date: Mar 22 nd , 2018 Product(s) Affected: PE64904 Sample Availability: Dec 22 nd , 2017 Change Control Board Approval #: CO-19064	Contact: Elizabeth La Greca Title: Director, Sales Operations Phone: 858-255-7839 Email: PCN@psemi.com
--	---

Change Category:

<input checked="" type="checkbox"/> Wafer Fabrication Process - Dual Source <input type="checkbox"/> Design/Mask Change <input type="checkbox"/> Singulation Process <input type="checkbox"/> Assembly Process <input type="checkbox"/> Electrical Test <input type="checkbox"/> Manufacturing Site	<input type="checkbox"/> Shipping/Labeling <input type="checkbox"/> Equipment <input type="checkbox"/> Material <input checked="" type="checkbox"/> Product Specification <input type="checkbox"/> Product End of Life <input checked="" type="checkbox"/> Other - Ordering Code
--	---

Purpose of Change:

To enable MagnaChip and Lapis as dual source wafer fabrication sites and inform customers of PE64904 specification change in datasheet.

Description of Change:

1. MagnaChip closed their 150 mm wafer CMOS fab in South Korea at the end of 2015. To ensure there is no disruption to supply, we have been working to transfer products from MagnaChip fab to Lapis fab in Japan. Beginning Dec 22nd, 2017, the PE64904 shipped to customers will be supplied from either MagnaChip or Lapis wafers.

Ordering codes:

(Original) MagnaChip part number: PE64904MLBB-Z, EK64904-12

(New) Lapis part number: PE64904C-Z, EK64904-13

2. Minimum and Maximum Capacitance change in datasheet is applied to PE64904 from MagnaChip fab and Lapis fab.

Original:

Parameter	Configuration	Condition	Min	Typ	Max	Units
Minimum Capacitance	Series	State = 00000, 100 MHz (RF+ to RF-)	0.49	0.60	0.71	pF
	Shunt	State = 00000, 100 MHz (RF+ to Grounded RF-)	0.99	1.10	1.21	
Maximum Capacitance	Series	State = 00000, 100 MHz (RF+ to RF-)	4.09	4.60	5.11	pF
	Shunt	State = 00000, 100 MHz (RF+ to Grounded RF-)	4.59	5.10	5.61	

***Customer Acknowledgement is based upon JEDEC Standard, JESD46D.** Form # DOC-00558 Rev 2
If there is a difference between JEDEC and specific customer requirements, customer requirements take precedence.

Product/Process Change (PCN) Notification

Updated:

Parameter	Configuration	Condition	Min	Typ	Max	Units
Minimum Capacitance	Series	State = 00000, 100 MHz (RF+ to RF-)	0.49	0.60	0.71	pF
	Shunt	State = 00000, 100 MHz (RF+ to Grounded RF-)	0.90	1.10	1.30	
Maximum Capacitance	Series	State = 00000, 100 MHz (RF+ to RF-)	3.78	4.60	5.45	pF
	Shunt	State = 00000, 100 MHz (RF+ to Grounded RF-)	4.19	5.10	6.00	

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

Customer Acknowledgement of Receipt* :

<input type="checkbox"/> Change Denied <i>(Include explanation in comments section below)</i> <input type="checkbox"/> Change Approved	Name:	
	Title:	
	Company:	
	Date:	
	Signature:	
Customer Comments:		

***Customer Acknowledgement is based upon JEDEC Standard, JESD46D.** Form # DOC-00558 Rev 2
If there is a difference between JEDEC and specific customer requirements, customer requirements take precedence.