

Automotive Process Change Notification

Date: October 24, 2014

PCN Reference: AU-14-126D, Qualification of Vanguard International Semiconductor Corporation (VIS) for PCube IPS Technology

Product Reference: Automotive Intelligent Power Switch (IPS) Products

To Our Valued Customer:

We thank you for your use of International Rectifier (IR) semiconductor products. Our commitment to customer satisfaction and continuous improvement is demonstrated by our change plans to enhance capacity, quality and reliability. We would like to express our sincere appreciation for your cooperation regarding the following changes, and IR will work closely with you to support your requirements during this transition.

Type of Change Notification:

- Wafer fab site
- Test site
- Wafer diameter
- Marking appearance

Description of Change:

PCube IPS products currently manufactured and wafer-level tested in the IR Newport, South Wales UK (Fab 10) six inch facility will be transferred to the VIS Hsinchu, Taiwan (Fab 2) eight inch wafer fab and subcontractor facilities.

No changes will be made to the Gen7 MOSFETs used in IPS copack products.

Reason for the Change:

As part of a manufacturing consolidation plan announced in 2012, International Rectifier indicated that it would be closing the IR Fab 10 facility and transferring the production capability for certain parts to foundries.

The top marking of the part will be changed to be consistent with standard AU parts.

Effective Date:

April 24, 2015

Impact of Change:

No changes to form, fit, or function. The package outline remains the same. Datasheet specifications will not be changed. The location for assembly and final test will not change. If applicable, the copack MOSFET die will remain the same.

Products Affected:

IR Part Number	Package	Copack (FET)
AUIPS6044GTR	SOIC-28W	No
AUIPS1011	TO-220	No
AUIPS1021	TO-220	No
AUIPS1031	TO-220	No
AUIPS1041LTR	SOT-223	No
AUIPS1051LTR	SOT-223	No
AUIPS2041LTR	SOT-223	No
AUIPS2051LTR	SOT-223	No
AUIPS6011	TO-220	No
AUIPS6021	TO-220	No
AUIPS6031	TO-220	No
AUIPS6041	TO-220	No
AUIPS7081	TO-220	No
AUIPS7091	TO-220	No
AUIR3313	TO-220	Gen7
AUIR3314	TO-220	Gen7
AUIR3315	TO-220	Gen7
AUIR3316	TO-220	Gen7
AUIR3317	TO-220	Gen7
AUIPS7142GTR	SOIC-16W	No

Method of Identifying Changed Product:

Wafer fab origins will not be distinguished through the external part making or shipping labels; however, IR internal systems will be able to trace the site of the wafer lots used to produce the final product.

Qualification and Supporting Data Availability:

Available now.

Sample Availability:

Available now.

Contact Information:

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