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Process Change Notification

Date: **Wednesday, December 17, 2014**
PCR Reference: **446**
PCN Reference: **446-PCN90-Public**

To Our Value Customer:

As always we appreciate your use of International Rectifier semiconductor products. Our commitment to customer satisfaction and continuous improvement is demonstrated by our change plans to enhance capacity, quality and reliability. This notice is to inform you of the following changes.

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:

Alternate site for the assembly of PDIP-HVIC products

Description of Change:

PDIP-HVIC Products- Alternate site for the assembly of PDIP-HVIC products

Additional site in Thailand has been qualified as the alternate assembly site for PDIP-HVIC Products

Bill of Materials

Material	Carsem Malaysia (current site)	Hana Thailand (proposed site)	Impact on Form, Fit or Function
Epoxy	84-1LMISR4	84-1LMISR4	None
Wire	Cu	Au	Yes
Mold compound	CEL8240	6650	Yes
Terminal Finish	Matte Tin	Matte Tin	None

Reason for the Change:

Additional assembly capacity

Effect Date:

Tuesday, March 17, 2015

International Rectifier will consider this change approved and will implement it by the effective date unless specific conditions of acceptance or data requests are provided in writing within 30 days of receipt of this notice. Please submit conditions of acceptance and data requests to the PCN coordinator listed at the end of this notice.

Impact of Change:

No impact is expected. The new Bill of Materials and Assembly site will meet the same parametric and Qualification level as the existing products. Product Datasheets will remain unchanged.

Method of Identifying Changed Product:

Lot Code and Date Code information

Products Affected:

IR Part	Description
IR2010PBF	High and Low Side Driver in a 14-pin DIP package
IR2011PBF	High and Low Side Driver in a 8-Lead PDIP package
IR21271PBF	Single High Side Driver, Noninverting Inputs, Current Sensing, Overcurent Detection and Shutdown Fault Output in a 8-lead SOIC package
IR21571PBF	Ballast Control, Below Resonance Protection, Thermal Overload Protection, Protection from Failure to Strike, Programmable Preheat Time and Run Frequency, Programmable Deadtime, Automatic Restart for Lamp Exchange in a 16-pin DIP package
IR2161PBF	Halogen Converter Control IC in a 8-lead PDIP package. Features Auto Resetting Short Circuit Protection, Auto Resetting Overload Protection, Overtemperature Protection, Phase Cut Dimmable, Adaptive Deadtime, Output Voltage Shift Compensation and Softsta
IR2175PBF	Linear Current Sensing IC in a 8-Lead DIP package
IR2181PBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-pin DIP package
IR2183PBF	Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 500ns Deadtime in a 8-pin DIP package
IR2213PBF	High and Low Side Driver, Noninverting Inputs in a 14-pin DIP package
IR25600PBF	
IR25603PBF	
IRS2186PBF	Derived from the IRS2181PBF this High and Low Side Driver in a 8-Lead PDIP package has output source/sink current capability of 4A and 4A
IRS2530DPBF	Ballast Control IC, 600V .500A PDIP

IRS25401PBF	Hysteretic Buck LED Driver (Improved version of the IRS2540, IRS2541)
IRS2540PBF	200V Half Bridge Driver LED Buck Regulator in a 8-Lead Dip Package
IRS25411PBF	Hysteretic Buck LED Driver (Improved version of the IRS2540, IRS2541)
IRS2541PBF	600V Half Bridge Driver LED Buck Regulator in a 8-Lead Dip Package

Qualification:

Parts passed all the reliability testing requirements. Reliability qualification report is available upon request. Qualification standards can be found on International Rectifier's web site at www.irf.com/product-info/reliability

Supporting Data Availability:

Contact IR for supporting data on this change.

Contact Information:

CONTACT TYPE	NAME	PHONE	EMAIL
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