

International Rectifier

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Process Change Notification

Date: Friday, March 13, 2015

PCR Reference: 289

PCN Reference: 289-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 assembly

Description of Change:

PQFN 8L 5x6 Products-Alternate site for assembly **PQFN 8L 5x6 Products**

ASE China has been qualified as alternate assembly site for PQFN 8L 5x6 products with Bill of Materials below

Material	Carsem (Current site)	ASE (Proposed site)	Impact on Form, Fit or Function
Die attach	95Pb5Sn	92.5Pb5Sn2.5Ag	None
Wire	Au	Au	None
Source Interconnect	Cu Clip	Cu Clip	None
Mold compound	G770	G770	None
Leadfinish	Matte Tin	Matte Tin	None

Differences in Process	Carsem (Current site)	ASE (Proposed site)	Impact on Form, Fit or Function
Die attach cure Reflow Max Temp	396-400C with 200secs Profile	390-400C with 200sec Profile	None
Wirebond	Thermosonic	Thermosonic	None
Mold Temperature	175+/- 5 deg. C	175+/- 5 deg C	None

Pkg singulation	Sawn	Sawn	None
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Reason for the Change:

Additional assembly capacity

Effect Date:

Thursday, June 11, 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 assembly site will meet the same parametric and qualification level and package outline as the existing products. Product Datasheets will remain unchanged

Method of Identifying Changed Product:

Date code and Lot code information

Products Affected:

IR Part	Description
IRFH4251DTRPBF	
IRFH4253DTRPBF	
IRFH4255DTRPBF	

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
PCN Coordinator	Abigail Miciano		AMICIAN1@irf.com
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