

Process Change Notification

Date: October 15, 2014
PCR Reference: 241
PCN Reference: 241-PCN30-Public
Product Reference: PQFN 8L 3.3x3.3 Products

To Our Valued 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 change:

Type of Change Notification:

Alternate site for the assembly of the products listed in the following page.

Description of Change:

New China site has been qualified as alternate assembly site for PQFN 8L (8-Lead) 3.3x3.3 products with Bill of Materials below:

Material	GEM (Current site)	ASE (Proposed site)	Impact on Form, Fit or Function
Die attach	Epoxy CT284	Solder PbSnAg*	None
Wire	Cu	Cu	None
Mold compound	G600	G700	None
Leadfinish	Matte Tin	Matte Tin	None

* New BOM is ROHS compliant under exemption 7(a): lead in high melting temperature type solder

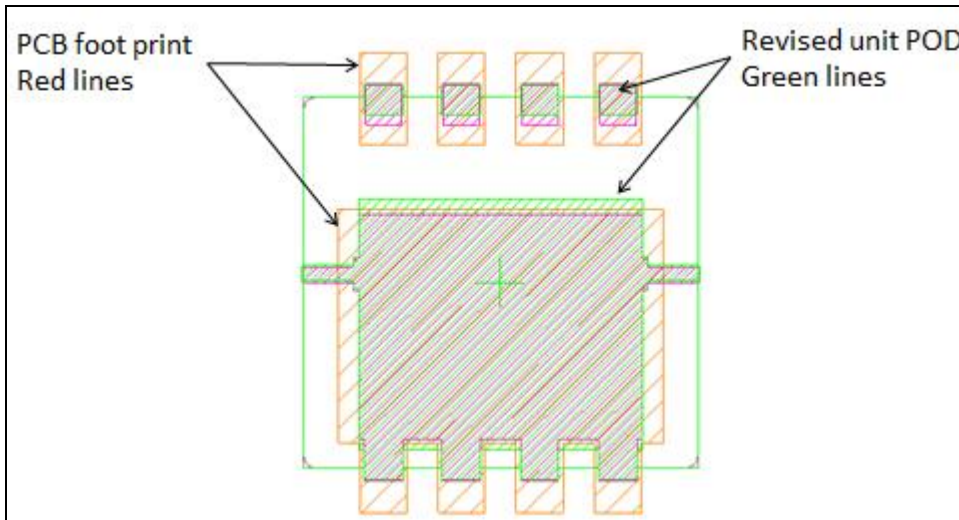


There are differences between the current and proposed site for some Package outline dimensions as listed below

Description	Symbol	Dimensional comparison			
		ASE (Proposed site)		GEM (Current site)	
		min	max	min	max
Lead width	b	0.27	0.37	0.25	0.35
Package length	D	3	3.60	3.25	3.45
Package width	E	3	3.60	3.20	3.40
Expose pad width	E2	2	2.20	1.78	1.98
Expose tie bar width	M	0.06	0.35	0.06	0.20

Unit in mm

Below is the unit simulation showing the latest POD changes with no risk using IR proposed PCB footprint. However, depending on customer's PCB PAD design, shift might occur if the large PAD of PCB is longer than the device PAD.



Reason for the Change:

Additional assembly capacity



Effect Date:

November 16, 2014

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.

<u>Products Affected:</u> Part Number	Description
IRFHM8228TRPBF	25V, 25A, 7.7 mΩ, 7.7 nC Qg, PQFN33
IRFHM8235TRPBF	30V, 25A, 5.2 mΩ, 9.0 nC Qg, PQFN33
IRFHM8326TRPBF	30V, 24A, 4.7 mΩ, 20 nC Qg, PQFN33
IRFHM8329TRPBF	30V, 24A, 6.1 mΩ, 13 nC Qg, PQFN33
IRFHM8330TRPBF	30V, 24A, 6.6 mΩ, 9.3 nC Qg, PQFN33
IRFHM8334TRPBF	30V, 24A, 9 mΩ, 7.1 nC Qg, PQFN33
IRFHM8337TRPBF	30V, 18A, 12.4 mΩ, 5.4 nC Qg, PQFN33
IRFHM8342TRPBF	30V, 18A, 16 mΩ, 5.0 nC Qg, PQFN33
IRFHM9391TRPBF	P-Channel, -30V, 10A, 15 mΩ, PQFN33

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.

Data Availability:

Please contact the PCN Coordinator for supporting data.

Contact Information:

CONTACT TYPE	NAME	PHONE	EMAIL
PCN Coordinator	Mark Ogden	951 375-2334	mailto:mogden1@irf.com
Technical	Mario Dolores	+66 89 0172860	mailto:mdolore1@irf.com

