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Process Change Notification

Date: June 24, 2013
PCN Reference: S20732
PCR Reference: P-1252-ML-0665.1
Product Reference: 4x5 24L and 5x6 22L Gen 3 SupIRBuck®

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 4x5 24L and 5x6 22L IR389XM and 4x5 24L IR3827M Gen 3 SupIRBuck® Products.

Description of Change:

Carsem (China) has been qualified as alternate assembly site for the Products identified in the following page, with the BOM details below:



IR389XM

Material	UTL (Current site)	Carsem-China (Proposed alternate site)	Impact on Form, Fit or Function
Epoxy	8600	QMI529	None
IC wire	Gold	Gold	None
FET wire	Copper	Copper	None
Mold compound	G770H	G770H	None
Leadfinish	Matte Tin	Ni/Pd/Au	None

Differences in Process	UTL (Current site)	Carsem-China (Proposed alternate site)	Impact on Form, Fit or Function
Die attach cure	1 hr @ 175 deg. C	1.5 hrs @ 200 deg C	None
Wirebond	Thermosonic	Thermosonic	None
Mold Temperature	175+/- 5 deg. C	175+/- 5 deg C	None
Pkg singulation	Saw	Saw	None

IR3827M

Material	Hana (Current site)	Carsem-China (Proposed alternate site)	Impact on Form, Fit or Function
Epoxy	QMI529	QMI529	None
IC wire	Gold	Gold	None
FET wire	Copper	Copper	None
Mold compound	CEL8240	G770H	None
Leadfinish	Ni/Pd/Au	Ni/Pd/Au	None

Differences in Process	Hana (Current site)	Carsem-China (Proposed alternate site)	Impact on Form, Fit or Function
Die attach cure	1.5 hrs @ 200 deg C	1.5 hrs @ 200 deg C	None
Wirebond	Thermosonic	Thermosonic	None
Mold Temperature	175+/- 5 deg. C	175+/- 5 deg C	None
Pkg singulation	Saw	Saw	None

Reason for the Change:

Additional Assembly capacity.

Effect Date:

September 24, 2013



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:

There is no impact on form, fit and function and no change to datasheet. The Facility and Process has been verified through IR OSAT Quality Audits to meet requirements.

Products Affected:

4x5 24L

IR3827MTRPBF
IR3827MTR1PBF
IR3897MTRPBF
IR3897MTR1PBF
IR3898MTRPBF
IR3898MTR1PBF
IR3899MTRPBF
IR3899MTR1PBF

5x6 22L

IR3894MTRPBF
IR3894MTR1PBF
IR3895MTRPBF
IR3895MTR1PBF

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:

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