

Process Change Notification

Date: July 5, 2012
PCN Reference: S13278
Product Reference: SOIC HVIC Gen 1 and 2

Dear 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:

Bill of Material change used for the assembly of SOIC-HVIC Gen1 & 2 Packages in Unisem Indonesia

Description of Change:

Materials qualified in Unisem, Indonesia (SOIC 8N, 14N, 16W and 28W)

Material	Current	Proposed
Epoxy	84-1LMISR4	QMI519
Wire	Au wire	Cu wire
Mold Compound	EME6600HR	CEL8240HF

Current SOIC Gen 1&2 parts use Gold wire to provide the electrical connection between the package leads and die. The wire material will change from Gold to Copper but the number of wires and the die remain the same. The electrical conduction properties of Copper are comparable to gold. The performance difference is small and datasheets will remain unchanged.

There will be a period of time which either gold or copper wire bond material will be used in manufacturing during transition. *We appreciate your support to qualify copper as soon as possible but IR can support the gold wire product for special cases.*

Marking

The part marking will be updated to include an underscore after the last digit of the Lot code to identify the part as a Copper wire based device.

Reason for the Change:

Qualification of Copper wire will enable IR to expand the assembly capacity to effectively support the customer demand. Current capacity will be extended to the existing Cu wire set-up.

Effect Date:

October 5, 2012

International Rectifier will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. Please submit conditions of acceptance to the PCN Coordinator listed at the end of this notice.

Impact of Change:

The Fit and Function do not change as a result of the conversion. Datasheets will remain unchanged.

Products Affected:

IR2103STRPBF	IR2156SPBF
IR2103SPBF	IR2183STRPBF
IR2106STRPBF	IR2183SPBF
IR2106SPBF	IR2302STRPBF
IR2110STRPBF	IR2302SPBF
IR2110SPBF	IR2304STRPBF
IR2113STRPBF	IR2304SPBF
IR2113SPBF	IR4427STRPBF
IR2136STRPBF	IR4427SPBF
IR2136SPBF	IR2520DSTRPBF
IR2153STRPBF	IR2520DSPBF
IR2153SPBF	IR2101STRPBF
IR2156STRPBF	IR2101SPBF

International Rectifier

101 N. Sepulveda Blvd., El Segundo, CA 90245 USA Telephone: +1 310 726 8000 www.irf.com

Qualification:

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

Sample Availability:

Samples are available through PCN coordinator

Contact Information:

CONTACT TYPE	NAME	PHONE	EMAIL
PCN Coordinator	John Michaelson	951 375-4432	mailto:jmichae2@irf.com
Technical	Mario Dolores	+66890172860	mailto:mdolore1@irf.com