

## Process Change Notification

**Date:** October 25, 2013  
**PCN Reference:** S11767E  
**PCR Reference:** P-1205-MD-0583  
**Product Reference:** IRS21681DSTRPBF (SOIC16N Gen 5)

### 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 assembly site

### Description of Change:

Hana is a qualified subcon for SOIC Gen5 products with the BOM details below:

| Material      | Carsem<br>(Current site) | Hana (Proposed<br>alternate site) | Impact on Form, Fit<br>or Function |
|---------------|--------------------------|-----------------------------------|------------------------------------|
| Leadframe     | Cu Ag                    | Cu Ag                             | None                               |
| Epoxy         | QMI519                   | 84-1LMISR4                        | None                               |
| Wire          | Au                       | Au                                | None                               |
| Mold compound | CEL8240                  | CEL8240                           | None                               |
| Leadfinish    | Matte Tin                | Matte Tin                         | None                               |

### Reason for the Change:

Additional assembly capacity



**Effect Date:**

January 25, 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 Bill of Materials will meet the same parametric and qualification level as the existing product. Product Datasheet will remain unchanged.

**Products Affected:**

IRS21681DSPBF  
IRS21681DSTRPBF

**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](http://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 | John Michaelson | 951 375-4432   | <a href="mailto:jmichae2@irf.com">mailto:jmichae2@irf.com</a> |
| Technical       | Mario Dolores   | +66 89017 2860 | <a href="mailto:mdolore1@irf.com">mailto:mdolore1@irf.com</a> |