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# **PRODUCT CHANGE NOTICE**

**Alternate Manufacturing Site  
for Assembly of the Listed  
Intersil DFN/QFN Packaged  
Products**

**Refer to:  
PCN13024A**

**Date: July 22, 2013**

July 22, 2013

To: Our Valued Intersil Customer

Subject: **Alternate Manufacturing Site for Assembly of the Listed Intersil DFN/QFN Packaged Products – Advanced Semiconductor Engineering - Chung-Li, Taiwan (ASECL)**

*PCN13024A is being issued to inform customers that Intersil has updated the list of affected products contained in notice PCN13024 that was issued on March 08, 2013. The products listed in the table below have been removed from the notice. As such, the changes outlined in PCN13024 will not be implemented for those products. The content of the original notice, PCN13024, with the updated product list is included for reference.*

**Products removed from PCN13024:**

|                  |                     |                      |                   |
|------------------|---------------------|----------------------|-------------------|
| ISL8016IR12Z     | ISL8016IR25Z-T7A    | ISL8023IRTAJZ        | ISL8024IRTAJZ-T7  |
| ISL8016IR12Z-T   | ISL8016IR33Z        | ISL8023IRTAJZ-T      | ISL8024IRTAJZ-T7A |
| ISL8016IR12Z-T7A | ISL8016IR33Z-T      | ISL8023IRTAJZ-T7     | ISL97680IRZ       |
| ISL8016IR15Z     | ISL8016IR33Z-T7A    | ISL8023IRTAJZ-T7A    | ISL97680IRZ-T     |
| ISL8016IR15Z-T   | ISL8016IRAJZ        | ISL8023IRTAJZ-TS2568 | ISL97680IRZ-TK    |
| ISL8016IR15Z-T7A | ISL8016IRAJZ-T      | ISL8023IRTAJZ-TS2705 | ISL98602IRAAZ     |
| ISL8016IR18Z     | ISL8016IRAJZ-T7A    | ISL8024AIRTAJZ       | ISL98602IRAAZ-T   |
| ISL8016IR18Z-T   | ISL8016IRAJZ-TS2490 | ISL8024AIRTAJZ-T     | ISL98602IRAAZ-T7A |
| ISL8016IR18Z-T7A | ISL8023AIRTAJZ      | ISL8024AIRTAJZ-T7A   | ISL98602IRAAZ-TK  |
| ISL8016IR25Z     | ISL8023AIRTAJZ-T    | ISL8024IRTAJZ        |                   |
| ISL8016IR25Z-T   | ISL8023AIRTAJZ-T7A  | ISL8024IRTAJZ-T      |                   |

This notice is to inform you that Intersil will begin using the Advanced Semiconductor Engineering (ASECL) facility as alternate site for assembly of the listed DFN/QFN (Dual/Quad Flat No-Lead) packaged products. This action will expand current capabilities and capacities to optimize Intersil's ability to meet customer's delivery requirements. The product and site-specific qualification activities are in progress and expected to complete during Q2 CY2013.

The Advanced Semiconductor Engineering (ASECL) facility is ISO 9001:2008 and ISO/TS 16949:2009 certified and qualified as a supplier to Intersil for assembly of packaged products. There will be no change in the mold compound series, die attach, lead frame material, wire type, package outline drawing (POD) or moisture sensitivity level (MSL).

The assembly qualification plan is designed using JEDEC and other applicable industry standards to confirm there is no impact to form, fit, function, or interchangeability of the product. A summary of the qualification plan and results to date is included for reference. The qualification results will be available for review upon completion by request. The remainder of the manufacturing operations (wafer fabrication, package level electrical testing, shipment, etc.) will continue to be processed to previously established conditions and systems.

Product affected by this change is identifiable via Intersil's internal traceability system. In addition, product assembled at ASECL may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for product assembled at ASECL is "W".

Intersil will take all necessary actions to conform to agreed upon customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied.

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Upon completion of qualification activities, customers may expect to receive product assembled at either the current or the newly qualified sites beginning *ninety* days from the date of the original notice, March 08, 2013 or earlier with approval.

If you have concerns with this change notice, Intersil must hear from you promptly. Please contact the nearest Intersil Sales Office or call the Intersil Corporate line at 1-888-468-3774, in the United States, or 1-321-724-7143 outside of the United States.

Regards,



Jeff Touvell  
Intersil Corporation

PCN13024A

CC: J. Brewster D. Decrosta D. Foster S. Nadarajah B. Lee F. Tsng S. Ang D. Singh

## PCN13024A – ASECL Reliability Qualification Summary

| Stress / Conditions                 | Duration | ISL9491ERZ<br>16L 4X4 QFN | ISL98604IRZ<br>40L 5X5 TQFN |
|-------------------------------------|----------|---------------------------|-----------------------------|
| Moisture Sensitivity Classification |          | N/A                       | N/A                         |
| Unbiased HAST<br>+130C / 85% RH     | 96 Hrs   | N = 9635<br>Acc = 0       | N = 1410<br>Acc = 0         |
| Temp Cycle<br>+150C / -65C          | 500 Cy   | N = 240<br>Acc = 0        | N = 240<br>Acc = 0          |

| Stress / Conditions                                | Duration   | ISL95836HRTZ<br>40L 5X5 TQFN   | ISL6277HRZ<br>48L 6X6 qfn      | ISL6312CRZ<br>48L 7X7 QFN      | ISL97702IRZ<br>10L 3X3 QFN     | ISL95833HRTZ<br>32L 4X4 QFN    | ISL9492ERZ<br>28L 4X4 TQFN     |
|--|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| High Temp Operating Life<br>+125°C                 | 1000 Hours | N = 80<br>Acc = 0<br>Note 1    | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            |
| Moisture Sensitivity Classification                |            | N = 22<br>Acc = 0<br>L3 PBFREE | N = 22<br>Acc = 0<br>L3 PBFREE | N = 44<br>Acc = 0<br>L3 PBFREE | N = 44<br>Acc = 0<br>L3 PBFREE | N = 22<br>Acc = 0<br>L3 PBFREE | N = 22<br>Acc = 0<br>L3 PBFREE |
| Unbiased HAST<br>+130C / 85% RH                    | 96 Hrs     | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              |
| Temp Cycle<br>+150C / -65C                         | 500 Cy     | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              |
| Biased HAST<br>+130C / 85% RH                      | 96 Hrs     | N = 78<br>Acc = 0              | N/A                            | N = 78<br>Acc = 0              | N/A                            | N/A                            | N/A                            |
| High Temperature Storage<br>T <sub>A</sub> = +150C | 1000 Hrs   | N = 78<br>Acc = 0              | N/A                            | N = 78<br>Acc = 0              | N = 78<br>Acc = 0              | N/A                            | N/A                            |

Note 1: Completed by extension from already released assembly site - SRN110207

Complete - Passed

## PCN13024A – Products Affected

|                     |                    |                    |                    |
|---------------------|--------------------|--------------------|--------------------|
| ISL6236IRZAR5281    | ISL6308CRZ-TS2701  | ISL6333CCRZ        | ISL6364IRZ-TS2705  |
| ISL6236IRZA-TKR5281 | ISL6308IRZ         | ISL6333CCRZ-T      | ISL6366CRZ         |
| ISL6236IRZA-TR5281  | ISL6308IRZ-T       | ISL6333CIRZ        | ISL6366CRZ-T       |
| ISL6236IRZA-TS2568  | ISL6308IRZ-TR5384  | ISL6333CIRZ-T      | ISL6366CRZ-TK      |
| ISL6237IRZ          | ISL6308IRZ-TS2568  | ISL6333CRZ         | ISL6366CRZ-TS2490  |
| ISL6237IRZ-T        | ISL6312CRZ-TR5429  | ISL6333CRZ-T       | ISL6366CRZ-TS2568  |
| ISL6251AHRZ         | ISL6314CRZ         | ISL6333CRZ-TS2568  | ISL6366IRZ         |
| ISL6251AHRZ-T       | ISL6314CRZS2704    | ISL6333IRZ         | ISL6366IRZ-T       |
| ISL6255AHRZ         | ISL6314CRZ-T       | ISL6333IRZ-T       | ISL6367CRZ         |
| ISL6255AHRZR5271    | ISL6314CRZ-TS2568  | ISL6334ACRZ        | ISL6367CRZ-T       |
| ISL6255AHRZ-T       | ISL6314CRZ-TS2701  | ISL6334ACRZR5586   | ISL6367CRZ-TS2490  |
| ISL6255AHRZ-TR5271  | ISL6314CRZ-TS2704  | ISL6334ACRZ-T      | ISL6367HCRZ        |
| ISL6261ACRZ-TR5392  | ISL6314CRZ-TS2705  | ISL6334ACRZ-TR5586 | ISL6367HCRZ-T      |
| ISL6262ACRZ         | ISL6314IRZ         | ISL6334ACRZ-TS2568 | ISL6367HIRZ        |
| ISL6262ACRZ-T       | ISL6314IRZ-T       | ISL6334AIRZ        | ISL6367HIRZ-T      |
| ISL6262ACRZ-TS2568  | ISL6314IRZ-TS2705  | ISL6334AIRZ-T      | ISL6367HIRZ-TS2568 |
| ISL6262ACRZ-TS2704  | ISL6322GCRZ        | ISL6334AIRZ-TS2705 | ISL6367IRZ         |
| ISL6263CHRZ         | ISL6322GCRZ-T      | ISL6334CRZ         | ISL6367IRZ-T       |
| ISL6263CHRZ-T       | ISL6322GCRZ-TR5429 | ISL6334CRZ-T       | ISL6377HRZ         |
| ISL6266AHRZ         | ISL6323ACRZ        | ISL6334CRZ-TS2568  | ISL6377HRZ-T       |
| ISL6266AHRZ-T       | ISL6323ACRZR5381   | ISL6334CRZ-TS2701  | ISL6377IRZ         |
| ISL6271ACRZ         | ISL6323ACRZ-T      | ISL6334DCRZ        | ISL6377IRZ-T       |
| ISL6271ACRZ-T       | ISL6323ACRZ-TR5381 | ISL6334DCRZ-T      | ISL6405ERZ         |
| ISL62771HRTZ        | ISL6323ACRZ-TR5429 | ISL6334DIRZ        | ISL6405ERZ-T       |
| ISL62771HRTZ-T      | ISL6323ACRZ-TS2701 | ISL6334DIRZ-T      | ISL6443IRZ         |
| ISL62771IRTZ        | ISL6323BCRZ        | ISL6334IRZ         | ISL6443IRZ-T       |
| ISL62771IRTZ-T      | ISL6323BCRZR5381   | ISL6334IRZ-T       | ISL6443IRZ-TK      |
| ISL62773HRZ         | ISL6323BCRZ-T      | ISL6334IRZ-TS2705  | ISL6443IRZ-TS2705  |
| ISL62773HRZ-T       | ISL6323BCRZ-TR5381 | ISL6353CRTZ        | ISL6540ACRZ        |
| ISL62773HRZ-TS2705  | ISL6323BCRZ-TS2709 | ISL6353CRTZ-T      | ISL6540ACRZ-T      |
| ISL62773IRZ         | ISL6324ACRZ        | ISL6353CRTZ-TS2490 | ISL6540ACRZ-TS2490 |
| ISL62773IRZ-T       | ISL6324ACRZR5381   | ISL6353CRTZ-TS2568 | ISL6540AIRZ        |
| ISL62773IRZ-TS2705  | ISL6324ACRZ-T      | ISL6353IRTZ        | ISL6540AIRZA       |
| ISL6277AHRZ         | ISL6324ACRZ-TR5381 | ISL6353IRTZ-T      | ISL6540AIRZA-T     |
| ISL6277AHRZ-T       | ISL6324ACRZ-TR5429 | ISL6364ACRZ        | ISL6540AIRZ-T      |
| ISL6277AIRZ         | ISL6326CRZ         | ISL6364ACRZ-T      | ISL6540AIRZ-TS2568 |
| ISL6277AIRZ-T       | ISL6326CRZ-T       | ISL6364AIRZ        | ISL6614CRZ         |
| ISL6277HRZ-TR5570   | ISL6326CRZ-TS2701  | ISL6364AIRZ-T      | ISL6614CRZA        |
| ISL6277HRZ-TR5575   | ISL6326CRZ-TS2705  | ISL6364CRZ         | ISL6614CRZA-T      |
| ISL6277IRZ          | ISL6333ACRZ        | ISL6364CRZR5561    | ISL6614CRZ-T       |
| ISL6277IRZ-T        | ISL6333ACRZ-T      | ISL6364CRZS2738    | ISL6614CRZ-TS2709  |
| ISL62881HRTZ        | ISL6333ACRZ-TS2568 | ISL6364CRZ-T       | ISL6625ACRZ-T      |
| ISL62881HRTZ-T      | ISL6333ACRZ-TS2705 | ISL6364CRZ-TR5561  | ISL6625AIRZ-T      |
| ISL6308CRZ          | ISL6333AIRZ        | ISL6364CRZ-TS2490  |                    |
| ISL6308CRZR5372     | ISL6333AIRZ-T      | ISL6364CRZ-TS2568  |                    |
| ISL6308CRZR5374     | ISL6333AIRZ-TS2705 | ISL6364CRZ-TS2738  |                    |
| ISL6308CRZ-T        | ISL6333BCRZ        | ISL6364IRZ         |                    |
| ISL6308CRZ-TR5372   | ISL6333BCRZ-T      | ISL6364IRZR5561    |                    |
| ISL6308CRZ-TR5374   | ISL6333BIRZ        | ISL6364IRZ-T       |                    |
| ISL6308CRZ-TS2568   | ISL6333BIRZ-T      | ISL6364IRZ-TR5561  |                    |

## PCN13024A – Products Affected – cont.

|              |                     |                      |                   |
|--------------|---------------------|----------------------|-------------------|
|              | ISL8121IRZ-TS2568   | ISL97670IRZ-T        | ISL97900CRZ-T     |
|              | ISL88731AHRZ        | ISL97670IRZ-TK       | ISL97900CRZ-T7A   |
|              | ISL88731AHRZ-T      | ISL97670IRZ-TR5497   | ISL97900CRZ-TK    |
|              | ISL88731HRZ         |                      | ISL97901CRZ       |
|              | ISL88731HRZ-T       |                      | ISL97901CRZ-T     |
|              | ISL9110IRTAZ        |                      | ISL97901CRZ-T7A   |
|              | ISL9110IRTAZ-T      | ISL97684IRTZ         | ISL97901CRZ-TK    |
|              | ISL9110IRTAZ-T7A    | ISL97684IRTZ-T       |                   |
|              | ISL9440IRZ          | ISL97684IRTZ-TK      |                   |
|              | ISL9440IRZ-T        | ISL97684IRTZ-TKR5194 |                   |
|              | ISL9491ERZ          | ISL97684IRTZ-TR5194  |                   |
|              | ISL9491ERZ-T        | ISL97685IRTZ         | ISL98603IRAAZ     |
|              | ISL95833HRTZ-TS2568 | ISL97685IRTZ-T       | ISL98603IRAAZ-T   |
|              | ISL95833IRTZ        | ISL97686IRTZ         | ISL98603IRAAZ-T7A |
|              | ISL95833IRTZ-T      | ISL97686IRTZ-T       | ISL98603IRAAZ-TK  |
|              | ISL95833IRTZ-TS2568 | ISL97687IRTZ         |                   |
|              | ISL95836HRTZ-TS2490 | ISL97687IRTZ-T       |                   |
|              | ISL95836HRTZ-TS2568 | ISL97691IRTZ         |                   |
|              | ISL95836IRTZ        | ISL97691IRTZ-T       |                   |
|              | ISL95836IRTZ-T      | ISL97691IRTZ-TK      |                   |
|              | ISL95836IRTZ-TS2568 | ISL97692IRTZ         |                   |
|              | ISL95838IRTZ        | ISL97692IRTZ-T       |                   |
|              | ISL95838IRTZ-T      | ISL97692IRTZ-TK      |                   |
|              | ISL97649AIRZ        | ISL97693IRTZ         |                   |
|              | ISL97649AIRZ-T      | ISL97693IRTZ-T       |                   |
|              | ISL97649AIRZ-TR5566 | ISL97693IRTZ-TK      |                   |
|              | ISL97649BIRZ        | ISL97694AIRTZ        |                   |
|              | ISL97649BIRZ-T      | ISL97694AIRTZ-T      |                   |
| ISL8121IRZ   | ISL97670IRZ         | ISL97694AIRTZ-TK     |                   |
| ISL8121IRZ-T | ISL97670IRZR5497    | ISL97900CRZ          |                   |