PRODUCT CHANGE NOTICE

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

Refer to:
PCN13024

Date: March 8, 2013

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March 8, 2012

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)*

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. 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 this notification 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

Jeff Touvell
Intersil Corporation

PCN13024

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

PCN13024 – ASECL Reliability Qualification Summary

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

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

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

Complete - Passed

Qual In Progress

PCN13024 – 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	ISL8016IR12Z
ISL6308CRZR5372	ISL6333AIRZ-T	ISL6364CRZ-TS2568	ISL8016IR12Z-T
ISL6308CRZR5374	ISL6333AIRZ-TS2705	ISL6364CRZ-TS2738	ISL8016IR12Z-T7A
ISL6308CRZ-T	ISL6333BCRZ	ISL6364IRZ	ISL8016IR15Z
ISL6308CRZ-TR5372	ISL6333BCRZ-T	ISL6364IRZR5561	ISL8016IR15Z-T
ISL6308CRZ-TR5374	ISL6333BIRZ	ISL6364IRZ-T	ISL8016IR15Z-T7A
ISL6308CRZ-TS2568	ISL6333BIRZ-T	ISL6364IRZ-TR5561	ISL8016IR18Z

PCN13024 – Products Affected – cont.

ISL8016IR18Z-T	ISL8121IRZ-TS2568	ISL97670IRZ-T	ISL97900CRZ-T
ISL8016IR18Z-T7A	ISL88731AHRZ	ISL97670IRZ-TK	ISL97900CRZ-T7A
ISL8016IR25Z	ISL88731AHRZ-T	ISL97670IRZ-TR5497	ISL97900CRZ-TK
ISL8016IR25Z-T	ISL88731HRZ	ISL97680IRZ	ISL97901CRZ
ISL8016IR25Z-T7A	ISL88731HRZ-T	ISL97680IRZ-T	ISL97901CRZ-T
ISL8016IR33Z	ISL9110IRTAZ	ISL97680IRZ-TK	ISL97901CRZ-T7A
ISL8016IR33Z-T	ISL9110IRTAZ-T	ISL97684IRTZ	ISL97901CRZ-TK
ISL8016IR33Z-T7A	ISL9110IRTAZ-T7A	ISL97684IRTZ-T	ISL98602IRAAZ
ISL8016IRAJZ	ISL9440IRZ	ISL97684IRTZ-TK	ISL98602IRAAZ-T
ISL8016IRAJZ-T	ISL9440IRZ-T	ISL97684IRTZ-TKR5194	ISL98602IRAAZ-T7A
ISL8016IRAJZ-T7A	ISL9491ERZ	ISL97684IRTZ-TR5194	ISL98602IRAAZ-TK
ISL8016IRAJZ-TS2490	ISL9491ERZ-T	ISL97685IRTZ	ISL98603IRAAZ
ISL8023AIRTAJZ	ISL95833HRTZ-TS2568	ISL97685IRTZ-T	ISL98603IRAAZ-T
ISL8023AIRTAJZ-T	ISL95833IRTZ	ISL97686IRTZ	ISL98603IRAAZ-T7A
ISL8023AIRTAJZ-T7A	ISL95833IRTZ-T	ISL97686IRTZ-T	ISL98603IRAAZ-TK
ISL8023IRTAJZ	ISL95833IRTZ-TS2568	ISL97687IRTZ	
ISL8023IRTAJZ-T	ISL95836HRTZ-TS2490	ISL97687IRTZ-T	
ISL8023IRTAJZ-T7	ISL95836HRTZ-TS2568	ISL97691IRTZ	
ISL8023IRTAJZ-T7A	ISL95836IRTZ	ISL97691IRTZ-T	
ISL8023IRTAJZ-TS2568	ISL95836IRTZ-T	ISL97691IRTZ-TK	
ISL8023IRTAJZ-TS2705	ISL95836IRTZ-TS2568	ISL97692IRTZ	
ISL8024AIRTAJZ	ISL95838IRTZ	ISL97692IRTZ-T	
ISL8024AIRTAJZ-T	ISL95838IRTZ-T	ISL97692IRTZ-TK	
ISL8024AIRTAJZ-T7A	ISL97649AIRZ	ISL97693IRTZ	
ISL8024IRTAJZ	ISL97649AIRZ-T	ISL97693IRTZ-T	
ISL8024IRTAJZ-T	ISL97649AIRZ-TR5566	ISL97693IRTZ-TK	
ISL8024IRTAJZ-T7	ISL97649BIRZ	ISL97694AIRTZ	
ISL8024IRTAJZ-T7A	ISL97649BIRZ-T	ISL97694AIRTZ-T	
ISL8121IRZ	ISL97670IRZ	ISL97694AIRTZ-TK	
ISL8121IRZ-T	ISL97670IRZR5497	ISL97900CRZ	