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# **PRODUCT CHANGE NOTICE**

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

**Refer to:  
PCN13024B**

**Date: October 25, 2013**

October 25, 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)**

*PCN13024B 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 and PCN13024A, with the updated product list is included for reference.*

**Products removed from PCN13024:**

ISL6261ACRZ-TR5392	ISL6312CRZ-TR5429	ISL6326CRZ-T	ISL6333IRZ	ISL6364CRZ
ISL6262ACRZ	ISL6322GCRZ	ISL6326CRZ-TS2701	ISL6333IRZ-T	ISL6364CRZS2738
ISL6262ACRZ-T	ISL6322GCRZ-T	ISL6326CRZ-TS2705	ISL6334ACRZ	ISL6364CRZ-T
ISL6262ACRZ-TS2568	ISL6322GCRZ-TR5429	ISL6333ACRZ	ISL6334ACRZR5586	ISL6364CRZ-TS2490
ISL6262ACRZ-TS2704	ISL6323ACRZ	ISL6333ACRZ-T	ISL6334ACRZ-T	ISL6364CRZ-TS2568
ISL6266AHRZ	ISL6323ACRZR5381	ISL6333ACRZ-TS2568	ISL6334ACRZ-TR5586	ISL6364CRZ-TS2738
ISL6266AHRZ-T	ISL6323ACRZ-T	ISL6333ACRZ-TS2705	ISL6334ACRZ-TS2568	ISL6364IRZ
ISL62881HRTZ	ISL6323ACRZ-TR5381	ISL6333AIRZ	ISL6334AIRZ	ISL6364IRZ-T
ISL62881HRTZ-T	ISL6323ACRZ-TR5429	ISL6333AIRZ-T	ISL6334AIRZ-T	ISL6364IRZ-TS2705
ISL6308CRZ	ISL6323ACRZ-TS2701	ISL6333AIRZ-TS2705	ISL6334AIRZ-TS2705	ISL6366CRZ
ISL6308CRZR5372	ISL6323BCRZ	ISL6333BCRZ	ISL6334CRZ	ISL6366CRZ-T
ISL6308CRZR5374	ISL6323BCRZR5381	ISL6333BCRZ-T	ISL6334CRZ-T	ISL6366CRZ-TK
ISL6308CRZ-T	ISL6323BCRZ-T	ISL6333BIRZ	ISL6334CRZ-TS2568	ISL6366CRZ-TS2490
ISL6308CRZ-TR5372	ISL6323BCRZ-TR5381	ISL6333BIRZ-T	ISL6334CRZ-TS2701	ISL6366CRZ-TS2568
ISL6308CRZ-TR5374	ISL6323BCRZ-TS2709	ISL6333CCRZ	ISL6334DCRZ	ISL6366IRZ
ISL6308CRZ-TS2568	ISL6324ACRZ	ISL6333CCRZ-T	ISL6334DCRZ-T	ISL6366IRZ-T
ISL6308CRZ-TS2701	ISL6324ACRZR5381	ISL6333CIRZ	ISL6334DIRZ	ISL6625ACRZ-T
ISL6308IRZ	ISL6324ACRZ-T	ISL6333CIRZ-T	ISL6334DIRZ-T	ISL6625AIRZ-T
ISL6308IRZ-T	ISL6324ACRZ-TR5381	ISL6333CRZ	ISL6334IRZ	
ISL6308IRZ-TR5384	ISL6324ACRZ-TR5429	ISL6333CRZ-T	ISL6334IRZ-T	
ISL6308IRZ-TS2568	ISL6326CRZ	ISL6333CRZ-TS2568	ISL6334IRZ-TS2705	

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 complete.

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 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

## 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 <sub>A</sub> = +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

## PCN13024B - Products Affected

ISL6236IRZAR5281			
ISL6236IRZA-TKR5281			
ISL6236IRZA-TR5281			
ISL6236IRZA-TS2568			
ISL6237IRZ			
ISL6237IRZ-T			
ISL6251AHRZ	ISL6314CRZ		
ISL6251AHRZ-T	ISL6314CRZS2704		
ISL6255AHRZ	ISL6314CRZ-T		ISL6367CRZ
ISL6255AHRZR5271	ISL6314CRZ-TS2568		ISL6367CRZ-T
ISL6255AHRZ-T	ISL6314CRZ-TS2701		ISL6367CRZ-TS2490
ISL6255AHRZ-TR5271	ISL6314CRZ-TS2704		ISL6367HCRZ
	ISL6314CRZ-TS2705		ISL6367HCRZ-T
	ISL6314IRZ		ISL6367HIRZ
	ISL6314IRZ-T		ISL6367HIRZ-T
	ISL6314IRZ-TS2705		ISL6367HIRZ-TS2568
			ISL6367IRZ
ISL6263CHRZ			ISL6367IRZ-T
ISL6263CHRZ-T			ISL6377HRZ
			ISL6377HRZ-T
			ISL6377IRZ
ISL6271ACRZ			ISL6377IRZ-T
ISL6271ACRZ-T			ISL6405ERZ
ISL62771HRTZ			ISL6405ERZ-T
ISL62771HRTZ-T			ISL6443IRZ
ISL62771IRTZ			ISL6443IRZ-T
ISL62771IRTZ-T			ISL6443IRZ-TK
ISL62773HRZ			ISL6443IRZ-TS2705
ISL62773HRZ-T		ISL6353CRTZ	ISL6540ACRZ
ISL62773HRZ-TS2705		ISL6353CRTZ-T	ISL6540ACRZ-T
ISL62773IRZ		ISL6353CRTZ-TS2490	ISL6540ACRZ-TS2490
ISL62773IRZ-T		ISL6353CRTZ-TS2568	ISL6540AIRZ
ISL62773IRZ-TS2705		ISL6353IRTZ	ISL6540AIRZA
ISL6277AHRZ		ISL6353IRTZ-T	ISL6540AIRZA-T
ISL6277AHRZ-T		ISL6364ACRZ	ISL6540AIRZ-T
ISL6277AIRZ		ISL6364ACRZ-T	ISL6540AIRZ-TS2568
ISL6277AIRZ-T		ISL6364AIRZ	ISL6614CRZ
ISL6277HRZ-TR5570		ISL6364AIRZ-T	ISL6614CRZA
ISL6277HRZ-TR5575			ISL6614CRZA-T
ISL6277IRZ		ISL6364CRZR5561	ISL6614CRZ-T
ISL6277IRZ-T			ISL6614CRZ-TS2709
		ISL6364CRZ-TR5561	
		ISL6364IRZR5561	
		ISL6364IRZ-TR5561	

## PCN13024B – 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	