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# **PRODUCT CHANGE NOTICE**

## **Alternate Manufacturing Facilities for Assembly of the Listed Intersil DFN/QFN/TQFN Packaged Products**

**Refer to:  
PCN14008**

**Date: February 19, 2013**

February 19, 2013

To: Our Valued Intersil Customer

Subject: **Alternate Manufacturing Facilities for Assembly of the Listed Intersil DFN/QFN/TQFN Packaged Products** – *Advanced Semiconductor Engineering (ASECL) - Chung-Li , Taiwan and Carsem (CAS) - Ipoh, Malaysia*

This notice is to inform you that Intersil will begin using the Advanced Semiconductor Engineering (ASECL) or Carsem (CAS) facility as alternate sites for assembly of the listed DFN/QFN/TQFN (Dual/Quad Flat No-Lead/Thin Quad Flat No-Lead) packaged products. The current facility STATS ChipPAC (SCM) located in Kuala Lumpur, Malaysia has officially announced plant closure by end of year 2014. The hyperlink to the announcement is <http://www.statschippac.com/news/newscenter/2013/news06282013.aspx>. As of the date of this notice, the product and site-specific qualification activities at the Advanced Semiconductor Engineering (ASECL) and Carsem (CAS) facilities are complete.

The Advanced Semiconductor Engineering (ASECL) and Carsem (CAS) facilities are ISO 9001:2008 and ISO/TS 16949:2009 certified. ASECL and CAS are qualified as primary suppliers to Intersil for high volume assembly of DFN/QFN/TQFN packaged products. There is no change in the MSL (moisture sensitivity level) or POD (package outline drawing).

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 results are included for reference. The remainder of the manufacturing operations (wafer fabrication, package level electrical testing, 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 or CAS may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for the listed products assembled at ASECL is "W". The site code for the listed products assembled at CAS is "X".

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. Customers may expect to receive product assembled at the SCM facility and either the ASECL or CAS facilities 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  
Intersil Corporation

PCN14008

CC: D. Decrosta S. Nadarajah S. Ang D. Singh B. Sampath J. Wei P. Bianco C. Brazil

# PCN14008 – ASECL Reliability Qualification Results

Stress / Conditions	Duration	ISL62883CHRTZ-T 40 lead 5X5 TQFN	ISL6312CRZ-T 48 lead 7X7 QFN	ISL9491ERZ-T 16 lead 4X4 QFN	ISL95836HRTZ 40 lead 5X5 QFN	ISL97702IRZ-T13 10 lead 3X3 QFN	ISL98604IRZ-T 40 lead 5X5 QFN
Molsture Sensitivity Classification		N/A	N = 22 Acc = 0 L3 PBFREE	N = 22 Acc = 0 L3 PBFREE	N/A	N = 22 Acc = 0 L3 PBFREE	N = 22 Acc = 0 L3 PBFREE
Unbiased HAST +130C / 85% RH	96 Hrs	N/A	N = 90 Acc = 0	N = 9635 Acc = 0	N/A	N = 78 Acc = 0	N = 1410 Acc = 0
Temp Cycle +150C / -65C	500 Cy	N/A	N = 90 Acc = 0	N = 240 Acc = 0	N/A	N = 78 Acc = 0	N = 240 Acc = 0
Biased HAST +130C / 85% RH	96 Hrs	N = 78 Acc = 0	N = 77 Acc = 0	N/A	N = 78 Acc = 0	N/A	N/A
High Temperature Storage T <sub>A</sub> = +150C	1000 Hrs	N/A	N = 90 Acc = 0	N/A	N/A	N = 78 Acc = 0	N/A

Qualification by Extension, Completed & Passed

## PCN14008 – Affected Products (ASECL)

ISL6364ACRZ-TS2490    ISL95816HRZ    ISL95833BHRTZ-T    ISL98602IRAAZ-T7A  
 ISL6373CRTZ-TS2490    ISL95816HRZ-T    ISL97687IRTZ-TS2705    ISL98602IRAAZ-TK  
 ISL6376IRZ    ISL95816HRZ-TS2490    ISL98602IRAAZ  
 ISL6376IRZ-T    ISL95833BHRTZ    ISL98602IRAAZ-T

## PCN14008 – CAS Reliability Qualification Results

Stress / Conditions	Duration	ISL62883CHRTZ-T 40 lead 5X5 TQFN	ISL6312CRZ-T 48 lead 7X7 QFN	ISL80121IR50Z-T 10 lead 3X3 DFN	ISL9492ERZ 28 lead 4X4 TQFN	ISL95870BHRZ-T 20 lead 3X4 QFN
Molsture Sensitivity Classification		N = 22 Acc = 0 L3 PBFREE	N = 22 Acc = 0 L3 PBFREE	N = 22 Acc = 0 L3 PBFREE	N = 22 Acc = 0 L3 PBFREE	N = 22 Acc = 0 L3 PBFREE
Unbiased HAST +130C / 85% RH	96 Hrs	N = 90 Acc = 0	N = 78 Acc = 0	N = 93 Acc = 0	N = 90 Acc = 0	N = 90 Acc = 0
Temp Cycle +150C / -65C	500 Cy	N = 255 Acc = 0	N = 240 Acc = 0	N = 255 Acc = 0	N = 255 Acc = 0	N = 255 Acc = 0
Biased HAST +130C / 85% RH	96 Hrs	N = 81 Acc = 0	N = 78 Acc = 0	N/A	N = 78 Acc = 0	N/A
High Temperature Storage T <sub>A</sub> = +150C	1000 Hrs	N/A	N = 78 Acc = 0	N/A	N = 78 Acc = 0	N/A

Qualification by Extension, Completed & Passed

## PCN14008 – Affected Products (CAS)

ISL85415AIRZ    ISL85415AIRZ-T    ISL95818HRTZ    ISL95818HRTZ-T  
 ISL95818HRTZ-TS2568