

---

# **PRODUCT CHANGE NOTICE**

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

**Refer to:  
PCN14011**

**Date: March 12, 2014**

March 12, 2014

To: Our Valued Intersil Customer

Subject: **Alternate Manufacturing Facilities for Assembly of the Listed Intersil DFN/TDFN/QFN Packaged Products –Carsem (CAS) - Ipoh, Malaysia**

This notice is to inform you that Intersil will begin using the Carsem (CAS) facility as an alternate site for assembly of the listed DFN/TDFN/QFN (Dual/Quad Flat No-Lead/Thin Dual 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 Carsem (CAS) facility is complete.

The Carsem (CAS) facility is ISO 9001:2008 and ISO/TS 16949:2009 certified. CAS is qualified as primary supplier to Intersil for high volume assembly of DFN/TDFN/QFN 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. 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 CAS may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for product assembled at CAS is "F".

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 either the SCM 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

PCN14011

CC: D. Decrosta S. Ang R. Pitts D. Singh P. Lee J. Wei B. Sampath D. Singh C. Brazil

# PCN14011 – Reliability Qualification Results

Stress / Conditions	Duration	ISL3036EIRZ 14 lead 3.5X3.5 QFN	ISL31486EIRTZ 12 lead 4X3 TDFN	ISL4241EIRZ 32 lead 5X5 QFN	ISL6336CRZ 48 lead 7X7 QFN	ISL6558IRZ 20 lead 5X5 QFN
Moisture Sensitivity Classification		N/A	N/A	N = 22 Acc = 0 L3 PBFREE	N = 22 Acc = 0 L1 PBFREE	N = 22 Acc = 0 L2 PBFREE
Temperature/Humidity/Bias +85C / 85% RH	1000 Hrs	N/A	N = 80 Acc = 0	N/A	N/A	N/A
Autoclave/PCT +121C / 100% RH	96 Hrs	N/A	N/A	N/A	N = 45 Acc = 0	N/A
Unbiased HAST +130C / 85% RH	96 Hrs	N/A	N/A	N = 78 Acc = 0	N/A	N = 78 Acc = 0
Temp Cycle +150C / -65C	500 Cy	N = 72 Acc = 0	N/A	N = 78 Acc = 0	N = 45 Acc = 0	N = 78 Acc = 0
High Temperature Storage T <sub>A</sub> = +150C	1000 Hrs	N = 80 Acc = 0	N/A	N = 78 Acc = 0	N = 45 Acc = 0	N = 78 Acc = 0

Qualification Completed & Passed  
Qualification by Extension

Stress / Conditions	Duration	ISL8009BIRZ 8 lead 2X3 DFN	ISL80101AIRAJTZ 10 lead 3X3 DFN	ISL9214IRZ 10 lead 3X3 DFN	ISL9519HRTZ 28 lead 4X4 TQFN	ISL95870BHRZ 20 lead 3X4 QFN
Moisture Sensitivity Classification		N = 22 Acc = 0 L1 PBFREE	N = 22 Acc = 0 L1 PBFREE	N = 22 Acc = 0 L1 PBFREE	N = 22 Acc = 0 L1 PBFREE	N = 22 Acc = 0 L2 PBFREE
Temperature/Humidity/Bias +85C / 85% RH	1000 Hrs	N/A	N/A	N/A	N/A	N/A
Autoclave/PCT +121C / 100% RH	96 Hrs	N = 45 Acc = 0	N = 45 Acc = 0	N = 45 Acc = 0	N = 45 Acc = 0	N = 45 Acc = 0
Unbiased HAST +130C / 85% RH	96 Hrs	N/A	N/A	N/A	N/A	N/A
Temp Cycle +150C / -65C	500 Cy	N = 45 Acc = 0	N = 45 Acc = 0	N = 45 Acc = 0	N = 45 Acc = 0	N = 45 Acc = 0
High Temperature Storage T <sub>A</sub> = +150C	1000 Hrs	N = 45 Acc = 0	N = 45 Acc = 0	N = 45 Acc = 0	N = 45 Acc = 0	N = 45 Acc = 0

Qualification by Extension

## PCN14011 – Affected Products

HIP2100IRZ	ISL4241EIRZ	ISL6526IRZ-T	ISL6558IRZ-TS2462
HIP2100IRZT	ISL4241EIRZ-T	ISL6526IRZ-TK	ISL6559CRZ-TS2705
ISL2111AR4Z	ISL4243EIRZ	ISL6526IRZ-TS2462	ISL6561CRZR5208
ISL2111AR4Z-T	ISL4243EIRZ-T	ISL6526IRZ-TS2462S	ISL6561CRZR5284
ISL2111ARTZ	ISL4243EIRZ-T7AS2568	ISL6527ACRZ-TS2705	ISL6561CRZ-TR5208
ISL2111ARTZ-T	ISL4243EIRZ-TS2568	ISL6532AIRZ	ISL6561CRZ-TR5284
ISL2111BR4Z	ISL43840IRZ	ISL6532AIRZ-T	ISL6561IRZ
ISL2111BR4Z-T	ISL43840IRZ-T	ISL6537CRZ-TS2490	ISL6561IRZ-T
ISL3232EIRZ	ISL6401CRZ-TS2705	ISL6558CRZ	ISL8107IRZ
ISL3232EIRZ-T	ISL6526AIRZ-TS2462	ISL6558CRZ-T	ISL8107IRZ-T
ISL3232EIRZ-T7A	ISL6526AIRZ-TS2462S	ISL6558IRZ	ISL8107IRZ-TS2705
ISL4221EIRZ	ISL6526AIRZ-TS2705	ISL6558IRZ-T	
ISL4221EIRZ-T	ISL6526IRZ	ISL6558IRZ-TK	