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# **PRODUCT CHANGE NOTICE**

**Alternate Bond Wire Material  
and Manufacturing Facilities  
for Assembly of the Listed  
Intersil DFN/QFN Packaged  
Products**

**Refer to:  
PCN13064**

**Date: November 21, 2013**

November 21, 2013

To: Our Valued Intersil Customer

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

This notice is to inform you that Intersil has qualified assembly using copper bond wire material at the Carsem (CAS) facility for the listed DFN/QFN (Dual/Quad Flat No-Lead) packaged products. The copper bond wire is an alternate to the gold bond wire currently used for assembly of the listed 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 are complete.

The Carsem (CAS) facility is ISO 9001:2008 and ISO/TS 16949:2009 certified and currently qualified as a primary supplier to Intersil for assembly of DFN/QFN packaged products with both copper and gold bond wire material. There is no change to the POD (package outline drawing). Products assembled with copper bond wire are classified as moisture sensitivity level three (MSL 3 at 260°C per J-STD-020). As such, the listed products will be packed, labeled, and shipped as moisture sensitivity level three (MSL 3) upon implementation of the changes outlined in this PCN.

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 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 Carsem may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for product assembled at Carsem using copper bond wire material 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 using gold bond wire from the current facility or copper bond wire from the Carsem (CAS) facility 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

PCN13064

CC: D. Decrosta S. Nadarajah S. Ang D. Singh R. Pitts J. Wei A. Salem B. Sampath C. Brazil D. Singh

# PCN13064 – Carsem Reliability Qualification Results

Stress / Conditions	Duration	ISL6312CRZ-T (48 lead 7X7 QFN)	ISL6620IRZ-T (10 lead 3X3 DFN)
Moisture Sensitivity Classification		N = 66 Acc = 0 L3 PBFREE	N = 66 Acc = 0 L3 PBFREE
Unbiased HAST +130C / 85% RH	96 Hrs	N = 78 Acc = 0	N = 78 Acc = 0
Temp Cycle +150C / -65C	500 Cy	N = 240 Acc = 0	N = 240 Acc = 0
Biased HAST +130C / 85% RH	96 Hrs	N = 78 Acc = 0	N/A
High Temperature Storage T <sub>A</sub> = +150C	1000 Hrs	N = 78 Acc = 0	N = 77 Acc = 0

Qualification by Extension, Completed & Passed

## PCN13064 – Affected Products

ISL41334IRZ	ISL6266AIRZ	ISL6312IRZ-TS2568	ISL65426HRZ-T
ISL41334IRZ-T	ISL6266AIRZ-T	ISL6315CRZ-TS2568	ISL6566CRZA-TS2490
ISL41334IRZ-T7A	ISL6266HRZ-TS2568	ISL6316IRZ-TS2705	ISL6566CRZA-TS2568
ISL6207HRZ	ISL6299IRZ-TS2688	ISL6323AIRZ-TR5381	ISL6594ACRZ-TS2490
ISL6207HRZ-T	ISL6306CRZ	ISL6323CRZ	ISL6605CRZA-TS2568
ISL6207HRZ-TS2705	ISL6306CRZA-TS2568	ISL6323CRZ-T	ISL6605CRZR5168
ISL6208BCRZ-T	ISL6306CRZ-T	ISL6323IRZ-TS2705	ISL6605IRZ
ISL6208BCRZ-TS2490	ISL6306CRZ-TK	ISL6326ACRZ-TS2568	ISL6605IRZ-T
ISL6218CRZ	ISL6306CRZ-TS2701	ISL6326ACRZ-TS2705	ISL6609ACRZ
ISL6218CRZ-T	ISL6306CRZ-TS2705	ISL6326BCRZ-TS2568	ISL6609ACRZ-T
ISL6218CRZ-TS2568	ISL6306IRZ	ISL6326BCRZ-TS2701	ISL6609ACRZ-TS2568
ISL6260BCRZR5242	ISL6306IRZ-T	ISL6326CCRZ	ISL6609AIRZ
ISL6260BCRZ-TR5242	ISL6307CRZ-TS2490	ISL6326CCRZ-T	ISL6609AIRZ-T
ISL6260BCRZ-TS2568	ISL6312ACRZ-TS2568	ISL6327CCRZ	ISL6609AIRZ-TK
ISL6261ACRZ-TS2568	ISL6312CRZ	ISL6327CCRZ-T	ISL6609AIRZ-TR5544
ISL6261IRZ	ISL6312CRZ-T	ISL6327CRZ	ISL6609CRZ
ISL6261IRZ-T	ISL6312CRZ-TK	ISL6327CRZ-T	ISL6609CRZ-T
ISL6262ACRZ-TS2490	ISL6312CRZ-TS2490	ISL6327CRZ-TS2568	ISL6612ACRZ-TS2568
ISL6264CRZ	ISL6312CRZ-TS2568	ISL6327CRZ-TS2701	ISL6612ACRZ-TS2701
ISL6264CRZ-T	ISL6312IRZ	ISL6327CRZ-TS2705	ISL6612AIRZ
ISL6264CRZ-TS2705	ISL6312IRZ-T	ISL65426HRZ	ISL6612AIRZ-T