PRODUCT CHANGE NOTICE

Alternate Bond Wire Material for Assembly of the Listed Intersil QFN Packaged Products

Refer to: PCN10083

Date: September 6, 2010



To: Our Valued Intersil Customer

Subject: Alternate Bond Wire Material for Assembly of the Listed Intersil QFN Packaged Products – STATS ChipPAC Malaysia

Intersil has qualified copper bond wire as an alternate to gold bond wire. This notice is to inform you that this change will be implemented on the listed QFN (Quad Flat No-Lead Plastic) packaged products that are assembled at the STATS ChipPAC (SCM) facility, located in Kuala Lumpur, Malaysia. The advantages of copper bond wire include improved electrical conductivity of the wire, slower intermetallic growth, reduced wire sweep and equivalent reliability performance. The product and package specific qualification activities are complete.

The STATS ChipPAC (SCM) facility is ISO 9001:2000 and ISO/TS 16949:2009 certified and currently qualified as a supplier to Intersil for assembly of QFN packaged products. There is no change in form, fit or function of the product. There will be no change in the material set (mold compound, die attach, or lead frame) or package outline drawing (POD). Products assembled with copper bond wire are classified as moisture sensitivity level three (MSL 3 at 260°C per J-STD-020D). The qualified material set combination for copper bond wire assembly is as follows:

Material	SCM	
Mold Compound	Sumitomo EME-G770	
Die Attach	Ablestik A8290	

The qualification plan for copper bond wire assembly was designed using JEDEC and other applicable industry standards to confirm that there is no impact to form, fit, function, or interchangeability of the product. A summary of the qualification results is included for reference. 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.

Intersil will begin shipping product that has been assembled with copper (Cu) bond wire on December 6, 2010. Products affected by this change that are assembled using either gold or copper bond wire material are identifiable via Intersil's internal traceability system and by the assembly site code (country of assembly) marked on the devices. The site code for product assembled with copper bond wire is "M". The site code for product assembled with gold bond wire is "H". Examples of product markings are below.

Part Marking (Gold Wire)



Part Marking (Copper Wire)





Time is of the essence. 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. Upon expiration of the ninety (90) day notice period Intersil will commence shipment of copper wire bonded product.

Jon Brewster

Jon Brewster Intersil Corporation

PCN10083

CC: J. Touvell D. Foster N. Kelkar P. Baker J. Herrmann



PCN10083 - Qualification Summary

	ISL9214 3X3 QFN	ISL6236 5X5 QFN	ISL6312 7X7 QFN
HTOL 1000hrs	0 / 78	N/A	0 / 78
HTS 1000hrs	0 / 78	0 / 78	0 / 78
ub HAST 96hrs	0 / 78	0 / 75	0 / 78
Biased HAST 96hrs	0 / 78	N/A	0 / 78
TMCL IND 1000 cyc	0/234	0/234	0/234
TMCL MIL 500 cyc	0/234	0/234	0/234
ABI 96 hrs	0/15	0/15	0/15



PCN10083 – Products Affected

ISL6236IRZA-TKR5281 ISL6308CRZ-T ISL6405ERZ-T ISL6236IRZA-TR5281 ISL6308CRZ-TR5372 ISL6443IRZ ISL6236IRZA-TS2378 ISL6308CRZ-TR5374 ISL6443IRZ-T ISL6236IRZA-TS2568 ISL6308CRZ-TS2378 ISL6443IRZ-TK ISL6236IRZAR5281 ISL6308CRZ-TS2568 ISL6443IRZ-TS2705 ISL6237IRZ ISL6308CRZ-TS2701 ISL6540ACRZ ISL6237IRZ-T ISL6308CRZR5372 ISL6540ACRZ-T ISL6237IRZ-TS2378 ISL6540ACRZ-TS2378 ISL6308CRZR5374 ISL6251AHRZ ISL6308IRZ ISL6540ACRZ-TS2490 ISL6251AHRZ-T ISL6308IRZ-T ISL6540AIRZ ISL6255AHRZ ISL6308IRZ-TR5384 ISL6540AIRZ-T ISL6255AHRZ-T ISL6308IRZ-TS2568 ISL6540AIRZ-TS2568 ISL6540AIRZA ISL6255AHRZ-TR5271 ISL6322GCRZ ISL6255AHRZ-TS2378 ISL6322GCRZ-T ISL6540AIRZA-T ISL6255AHRZR5271 ISL6322GCRZ-TR5429 ISL6614CRZ ISL6261ACRZ ISL6323ACRZ ISL6614CRZ-T ISL6261ACRZ-T ISL6323ACRZ-T ISL6614CRZ-TS2709 ISL6261ACRZ-TR5392 ISL6323ACRZ-TR5381 ISL6614CRZA ISL6323ACRZ-TR5429 ISL6261ACRZ-TS2378 ISL6614CRZA-T ISL6261ACRZ-TS2568 ISL6323ACRZ-TS2701 ISL8121IRZ ISL6262ACRZ-T ISL6323ACRZR5381 ISL8121IRZ-T ISL6262ACRZ-TS2568 ISL6323BCRZ ISL8121IRZ-TS2568 ISL6323BCRZ-T ISL6262ACRZ-TS2704 ISL88731AHRZ ISL6263CHRZ ISL6323BCRZ-TR5381 ISL88731AHRZ-T ISL6263CHRZ-T ISL6323BCRZ-TS2709 ISL88731HRZ ISL6323BCRZR5381 ISL6263CHRZ-TS2378 ISL88731HRZ-T ISL6324ACRZ ISL6266AHRZ ISL9440IRZ ISL6266AHRZ-T ISL6324ACRZ-T ISL9440IRZ-T ISL6266AHRZ-TR5319 ISL6324ACRZ-TR5381 ISL9504BHRZ ISL6269ACRZ ISL6324ACRZ-TR5429 ISL9504BHRZ-T ISL6269ACRZ-T ISL6324ACRZR5381 ISL9563AHRZ ISL6326CRZ ISL9563AHRZ-T ISL6269BCRZ ISL6269BCRZ-T ISL6326CRZ-T ISL9563AHRZ-TS2378 ISL6271ACRZ ISL6326CRZ-TS2701 ISL9563BHRZ-TR5400 ISL6326CRZ-TS2705 ISL6271ACRZ-T

ISL6405ERZ



ISL6308CRZ