PRODUCT CHANGE NOTICE

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

PCN CANCELED

Refer to:
PCN10055

Date: July 13, 2010

July 13, 2010

To: Our Valued Intersil Customer

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

PCN10055 has been updated to inform customers that Intersil has withdrawn the notice that was issued on June 30, 2010. The implementation of copper bond wire assembly under custom part number R5429 as outlined in the notice has been canceled. The notice will be revised and reissued at a later date. The contents of the original notice are included below.

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This notice is to inform you that Intersil has qualified copper bond wire as an alternate to the gold bond wire currently used for assembly of the listed DFN/QFN (Dual/Quad Flat No-Lead Plastic) packaged products 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 DFN/QFN packaged products. There is no change in form, fit or function of the product. There will be no change in the 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 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.

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)

Intersil has created a custom part number (R5429) to identify product assembled at SCM using copper bond wire. This letter is to request that customers begin using the appropriate custom part number(s) for ordering product assembled with copper bond wire material beginning ninety days from the date of this notification or earlier. Upon expiration of the ninety day period, Intersil intends to make copper wire bonded product the primary offering.

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.

Jon Brewster

Jon Brewster
Intersil Corporation

PCN10055

CC: J. Touvell J. McNamara D. Foster N. Kelkar P. Baker Y. Kim

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PCN10055 – 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*

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PCN10055 – Products Affected

Current Part number	Copper Wire Part Number	Current Part number	Copper Wire Part Number
EL7520AILZ-T7	EL7520AILZ-T7R5429	ISL6256AHRZ-T	ISL6256AHRZ-TR5429
EL7642ILTZ-T13	EL7642ILTZ-T13R5429	ISL6256HRZ	ISL6256HRZR5429
ISL3159EIRZ-T	ISL3159EIRZ-TR5429	ISL6258AHRTZ	ISL6258AHRTZR5429
ISL3179EFRZ-T	ISL3179EFRZ-TR5429	ISL6260CCRZ	ISL6260CCRZR5429
ISL3179EIRZ	ISL3179EIRZR5429	ISL6260CCRZ-T	ISL6260CCRZ-TR5429
ISL3179EIRZ-T	ISL3179EIRZ-TR5429	ISL6261ACRZ	ISL6261ACRZR5429
ISL32177EIRZ-T	ISL32177EIRZ-TR5429	ISL6261ACRZ-T	ISL6261ACRZ-TR5429
ISL3298EIRTZ-T	ISL3298EIRTZ-TR5429	ISL6261AIRZ	ISL6261AIRZR5429
ISL3331IRZ	ISL3331IRZR5429	ISL6261CRZ-T	ISL6261CRZ-TR5429
ISL3333IRZ	ISL3333IRZR5429	ISL6261IRZ	ISL6261IRZR5429
ISL41334IRZ	ISL41334IRZR5429	ISL6262ACRZ	ISL6262ACRZR5429
ISL41334IRZ-T	ISL41334IRZ-TR5429	ISL6262ACRZ-T	ISL6262ACRZ-TR5429
ISL6112IRZA-T	ISL6112IRZA-TR5429	ISL6262AIRZ	ISL6262AIRZR5429
ISL6123IRZA	ISL6123IRZAR5429	ISL6262CRZ	ISL6262CRZR5429
ISL6123IRZA-T	ISL6123IRZA-TR5429	ISL6262CRZ-T	ISL6262CRZ-TR5429
ISL6124IRZA-T	ISL6124IRZA-TR5429	ISL6262CRZ-TK	ISL6262CRZ-TKR5429
ISL6132IRZA-T	ISL6132IRZA-TR5429	ISL6262IRZ	ISL6262IRZR5429
ISL6173DRZA	ISL6173DRZAR5429	ISL6263ACRZ	ISL6263ACRZR5429
ISL6173DRZA-T	ISL6173DRZA-TR5429	ISL6263ACRZ-T	ISL6263ACRZ-TR5429
ISL6208CRZ	ISL6208CRZR5429	ISL6263CRZ	ISL6263CRZR5429
ISL6208CRZ-T	ISL6208CRZ-TR5429	ISL6264CRZ	ISL6264CRZR5429
ISL6208IRZ	ISL6208IRZR5429	ISL6264CRZ-T	ISL6264CRZ-TR5429
ISL6210CRZ-T	ISL6210CRZ-TR5429	ISL6265AHRTZ-T	ISL6265AHRTZ-TR5429
ISL6218CRZ-T	ISL6218CRZ-TR5429	ISL6265HRTZ	ISL6265HRTZR5429
ISL6227HRZ-T	ISL6227HRZ-TR5429	ISL6265HRTZ-T	ISL6265HRTZ-TR5429
ISL6227IRZ	ISL6227IRZR5429	ISL6266AHRZ-T	ISL6266AHRZ-TR5429
ISL6228HRTZ-T	ISL6228HRTZ-TR5429	ISL6266AIRZ-T	ISL6266AIRZ-TR5429
ISL6228IRTZ	ISL6228IRTZR5429	ISL6269ACRZ-T	ISL6269ACRZ-TR5429
ISL6228IRTZ-T	ISL6228IRTZ-TR5429	ISL6269BCRZ-T	ISL6269BCRZ-TR5429
ISL6236AIRZ-T	ISL6236AIRZ-TR5429	ISL6269BIRZ-T	ISL6269BIRZ-TR5429
ISL6237IRZ-T	ISL6237IRZ-TR5429	ISL6269CRZ-T	ISL6269CRZ-TR5429
ISL62381HRTZ	ISL62381HRTZR5429	ISL6271ACRZ	ISL6271ACRZR5429
ISL62382HRTZ-T	ISL62382HRTZ-TR5429	ISL6271ACRZ-T	ISL6271ACRZ-TR5429
ISL62386HRTZ-T	ISL62386HRTZ-TR5429	ISL62881BHRTZ-T	ISL62881BHRTZ-TR5429
ISL62391HRTZ-T	ISL62391HRTZ-TR5429	ISL62881CHRTZ-T	ISL62881CHRTZ-TR5429
ISL62392HRTZ-T	ISL62392HRTZ-TR5429	ISL62881CIRTZ-T	ISL62881CIRTZ-TR5429
ISL6251AHRZ-T	ISL6251AHRZ-TR5429	ISL62881HRTZ-T	ISL62881HRTZ-TR5429
ISL6255AHRZ-T	ISL6255AHRZ-TR5429	ISL62882BHRTZ-T	ISL62882BHRTZ-TR5429

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PCN10055 – Products Affected – cont.

Current Part number	Copper Wire Part Number	Current Part number	Copper Wire Part Number
ISL62882CHRTZ-T	ISL62882CHRTZ-TR5429	ISL6313IRZ	ISL6313IRZR5429
ISL62882HRTZ-T	ISL62882HRTZ-TR5429	ISL6313IRZ-T	ISL6313IRZ-TR5429
ISL62882IRTZ-T	ISL62882IRTZ-TR5429	ISL6314CRZ	ISL6314CRZR5429
ISL62883BHRTZ-T	ISL62883BHRTZ-TR5429	ISL6314CRZ-T	ISL6314CRZ-TR5429
ISL62883HRTZ-T	ISL62883HRTZ-TR5429	ISL6314IRZ	ISL6314IRZR5429
ISL62883IRTZ	ISL62883IRTZR5429	ISL6314IRZ-T	ISL6314IRZ-TR5429
ISL62885CHRTZ-T	ISL62885CHRTZ-TR5429	ISL6315CRZ-T	ISL6315CRZ-TR5429
ISL6292-1CR3Z-T	ISL6292-1CR3Z-TR5429	ISL6320CRZ-T	ISL6320CRZ-TR5429
ISL6292-1CR4Z-T	ISL6292-1CR4Z-TR5429	ISL6322CRZ	ISL6322CRZR5429
ISL6292-1CR5Z-T	ISL6292-1CR5Z-TR5429	ISL6322CRZ-T	ISL6322CRZ-TR5429
ISL6292-2CR3Z-T	ISL6292-2CR3Z-TR5429	ISL6322GCRZ-T	ISL6322GCRZ-TR5429
ISL6292-2CR4Z	ISL6292-2CR4ZR5429	ISL6323ACRZ-T	ISL6323ACRZ-TR5429
ISL6292-2CR4Z-T	ISL6292-2CR4Z-TR5429	ISL6323BCRZ-T	ISL6323BCRZ-TR5429
ISL6292-2CR5Z-T	ISL6292-2CR5Z-TR5429	ISL6323CRZ	ISL6323CRZR5429
ISL6292BCRZ	ISL6292BCRZR5429	ISL6323CRZ-T	ISL6323CRZ-TR5429
ISL6293-2CRZ-T	ISL6293-2CRZ-TR5429	ISL6324ACRZ-T	ISL6324ACRZ-TR5429
ISL6294AIRZ-T	ISL6294AIRZ-TR5429	ISL6324CRZ-T	ISL6324CRZ-TR5429
ISL6294IRZ-T	ISL6294IRZ-TR5429	ISL6325CRZ-T	ISL6325CRZ-TR5429
ISL6298-2CR3Z-T	ISL6298-2CR3Z-TR5429	ISL6326CCRZ-T	ISL6326CCRZ-TR5429
ISL6298-2CR4Z-T	ISL6298-2CR4Z-TR5429	ISL6326CRZ-T	ISL6326CRZ-TR5429
ISL6306CRZ-T	ISL6306CRZ-TR5429	ISL6327CRZ	ISL6327CRZR5429
ISL6306CRZ-TK	ISL6306CRZ-TKR5429	ISL6327CRZ-T	ISL6327CRZ-TR5429
ISL6306IRZ	ISL6306IRZR5429	ISL6333ACRZ	ISL6333ACRZR5429
ISL6307CRZ	ISL6307CRZR5429	ISL6333ACRZ-T	ISL6333ACRZ-TR5429
ISL6307CRZ-T	ISL6307CRZ-TR5429	ISL6333AIRZ	ISL6333AIRZR5429
ISL6308ACRZ	ISL6308ACRZR5429	ISL6333CRZ-T	ISL6333CRZ-TR5429
ISL6308ACRZ-T	ISL6308ACRZ-TR5429	ISL6333IRZ	ISL6333IRZR5429
ISL6308AIRZ	ISL6308AIRZR5429	ISL6334ACRZ	ISL6334ACRZR5429
ISL6308AIRZ-T	ISL6308AIRZ-TR5429	ISL6334ACRZ-T	ISL6334ACRZ-TR5429
ISL6308CRZ-T	ISL6308CRZ-TR5429	ISL6334AIRZ	ISL6334AIRZR5429
ISL6308IRZ-T	ISL6308IRZ-TR5429	ISL6334AIRZ-T	ISL6334AIRZ-TR5429
ISL6310CRZ-T	ISL6310CRZ-TR5429	ISL6334BCRZ-T	ISL6334BCRZ-TR5429
ISL6312ACRZ-T	ISL6312ACRZ-TR5429	ISL6334CRZ	ISL6334CRZR5429
ISL6312CCRZ-T	ISL6312CCRZ-TR5429	ISL6334CRZ-T	ISL6334CRZ-TR5429
ISL6312CRZ-T	ISL6312CRZ-TR5429	ISL6334DCRZ	ISL6334DCRZR5429
ISL6313BCRZ	ISL6313BCRZR5429	ISL6334DCRZ-T	ISL6334DCRZ-TR5429
ISL6313CRZ	ISL6313CRZR5429	ISL6334DIRZ-T	ISL6334DIRZ-TR5429
ISL6313CRZ-T	ISL6313CRZ-TR5429	ISL6334IRZ	ISL6334IRZR5429

PCN CANCELLED

PCN10055 – Products Affected – cont.

Current Part number	Copper Wire Part Number	Current Part number	Copper Wire Part Number
ISL6334IRZ-T	ISL6334IRZ-TR5429	ISL6563CRZ	ISL6563CRZR5429
ISL6336ACRZ-T	ISL6336ACRZ-TR5429	ISL6563CRZ-T	ISL6563CRZ-TR5429
ISL6336CRZ-T	ISL6336CRZ-TR5429	ISL6563CRZ-TK	ISL6563CRZ-TKR5429
ISL6336GCRZ-T	ISL6336GCRZ-TR5429	ISL6566ACRZ-T	ISL6566ACRZ-TR5429
ISL6341ACRZ-T	ISL6341ACRZ-TR5429	ISL6566IRZA-T	ISL6566IRZA-TR5429
ISL6341AIRZ-T	ISL6341AIRZ-TR5429	ISL6567CRZ	ISL6567CRZR5429
ISL6341BCRZ-T	ISL6341BCRZ-TR5429	ISL6567CRZ-T	ISL6567CRZ-TR5429
ISL6341CRZ	ISL6341CRZR5429	ISL6594ACRZ-T	ISL6594ACRZ-TR5429
ISL6341CRZ-T	ISL6341CRZ-TR5429	ISL6594BCRZ-T	ISL6594BCRZ-TR5429
ISL6405ERZ-T	ISL6405ERZ-TR5429	ISL6594DCRZ-T	ISL6594DCRZ-TR5429
ISL6420AIRZ	ISL6420AIRZR5429	ISL6596CRZ-T	ISL6596CRZ-TR5429
ISL6420AIRZ-TK	ISL6420AIRZ-TKR5429	ISL6596IRZ	ISL6596IRZR5429
ISL6421AERZ-T	ISL6421AERZ-TR5429	ISL6605CRZA-T	ISL6605CRZA-TR5429
ISL6422BERZ-T	ISL6422BERZ-TR5429	ISL6605CRZ-T	ISL6605CRZ-TR5429
ISL6423BERZ	ISL6423BERZR5429	ISL6605IRZ-T	ISL6605IRZ-TR5429
ISL6423BERZ-T	ISL6423BERZ-TR5429	ISL6609ACRZ-T	ISL6609ACRZ-TR5429
ISL6423ERZ-T	ISL6423ERZ-TR5429	ISL6609AIRZ-T	ISL6609AIRZ-TR5429
ISL6441IRZ	ISL6441IRZR5429	ISL6609IRZ	ISL6609IRZR5429
ISL6441IRZ-T	ISL6441IRZ-TR5429	ISL6611ACRZ-T	ISL6611ACRZ-TR5429
ISL6443AIRZ	ISL6443AIRZR5429	ISL6612ACRZ-T	ISL6612ACRZ-TR5429
ISL6443AIRZ-TK	ISL6443AIRZ-TKR5429	ISL6612AIRZ	ISL6612AIRZR5429
ISL6443IRZ-T	ISL6443IRZ-TR5429	ISL6612BIRZ-T	ISL6612BIRZ-TR5429
ISL6443IRZ-TK	ISL6443IRZ-TKR5429	ISL6612CRZ	ISL6612CRZR5429
ISL6455AIRZ-TK	ISL6455AIRZ-TKR5429	ISL6612CRZ-T	ISL6612CRZ-TR5429
ISL6534CRZ	ISL6534CRZR5429	ISL6613ACRZ-T	ISL6613ACRZ-TR5429
ISL6534CRZ-T	ISL6534CRZ-TR5429	ISL6613BCRZ-T	ISL6613BCRZ-TR5429
ISL6535CRZ-T	ISL6535CRZ-TR5429	ISL6613BIRZ-T	ISL6613BIRZ-TR5429
ISL6535IRZ	ISL6535IRZR5429	ISL6613CRZ-T	ISL6613CRZ-TR5429
ISL6540ACRZ	ISL6540ACRZR5429	ISL6614ACRZ	ISL6614ACRZR5429
ISL6540ACRZ-T	ISL6540ACRZ-TR5429	ISL6614ACRZ-T	ISL6614ACRZ-TR5429
ISL6540AIRZA-T	ISL6540AIRZA-TR5429	ISL6614CRZA-T	ISL6614CRZA-TR5429
ISL6540AIRZ-T	ISL6540AIRZ-TR5429	ISL6614CRZ-T	ISL6614CRZ-TR5429
ISL6540CRZA-T	ISL6540CRZA-TR5429	ISL6615ACRZ-T	ISL6615ACRZ-TR5429
ISL65426HRZ	ISL65426HRZR5429	ISL6615CRZ-T	ISL6615CRZ-TR5429
ISL65426IRZA	ISL65426IRZAR5429	ISL6617CRZ-T	ISL6617CRZ-TR5429
ISL65426IRZA-T	ISL65426IRZA-TR5429	ISL6622ACRZ-T	ISL6622ACRZ-TR5429
ISL6545AIRZ-T	ISL6545AIRZ-TR5429	ISL6622CRZ-T	ISL6622CRZ-TR5429
ISL6545CRZ-T	ISL6545CRZ-TR5429	ISL6844IRZ-T	ISL6844IRZ-TR5429

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PCN10055 – Products Affected – cont.

Current Part number	Copper Wire Part Number	Current Part number	Copper Wire Part Number
ISL8104IRZ	ISL8104IRZR5429	ISL9501CRZ-T	ISL9501CRZ-TR5429
ISL8105AIRZ-T	ISL8105AIRZ-TR5429	ISL9502AHRZ-T	ISL9502AHRZ-TR5429
ISL8105BCRZ-T	ISL8105BCRZ-TR5429	ISL9502BHRZ-T	ISL9502BHRZ-TR5429
ISL8105CRZ-T	ISL8105CRZ-TR5429	ISL9502CRZ-T	ISL9502CRZ-TR5429
ISL8106CRZ-T	ISL8106CRZ-TR5429	ISL9504BHRZ-T	ISL9504BHRZ-TR5429
ISL8112IRZ	ISL8112IRZR5429	ISL9505AHRZ-T	ISL9505AHRZ-TR5429
ISL8118IRZ	ISL8118IRZR5429	ISL9506HRZ-T	ISL9506HRZ-TR5429
ISL8120IRZ-T	ISL8120IRZ-TR5429	ISL9519HRTZ-T	ISL9519HRTZ-TR5429
ISL8120IRZ-TK	ISL8120IRZ-TKR5429	ISL95210HRZ-T	ISL95210HRZ-TR5429
ISL8120XIRTZ-T	ISL8120XIRTZ-TR5429	ISL95210IRZ-T	ISL95210IRZ-TR5429
ISL8121IRZ	ISL8121IRZR5429	ISL95870BHRZ-T	ISL95870BHRZ-TR5429
ISL8121IRZ-T	ISL8121IRZ-TR5429	ISL95871CHRZ	ISL95871CHRZR5429
ISL85001IRZ	ISL85001IRZR5429	ISL95871CHRZ-T	ISL95871CHRZ-TR5429
ISL85001IRZ-T	ISL85001IRZ-TR5429	ISL97632IRT26Z-TK	ISL97632IRT26Z-TKR5429
ISL8500IRZ-T	ISL8500IRZ-TR5429	ISL97634IRT14Z-TK	ISL97634IRT14Z-TKR5429
ISL8501IRZ	ISL8501IRZR5429	ISL97634IRT18Z-TK	ISL97634IRT18Z-TKR5429
ISL8501IRZ-T	ISL8501IRZ-TR5429	ISL97634IRT26Z-TK	ISL97634IRT26Z-TKR5429
ISL8502IRZ	ISL8502IRZR5429	ISL97635AIRZ	ISL97635AIRZR5429
ISL8502IRZ-T	ISL8502IRZ-TR5429	ISL97635AIRZ-TK	ISL97635AIRZ-TKR5429
ISL8510IRZ-T	ISL8510IRZ-TR5429	ISL97636AIRZ	ISL97636AIRZR5429
ISL88550AIRZ	ISL88550AIRZR5429	ISL97636AIRZ-T	ISL97636AIRZ-TR5429
ISL88550AIRZ-T	ISL88550AIRZ-TR5429	ISL97636AIRZ-TK	ISL97636AIRZ-TKR5429
ISL88731AHRZ-T	ISL88731AHRZ-TR5429	ISL97642IRTZ-TK	ISL97642IRTZ-TKR5429
ISL88731HRZ-T	ISL88731HRZ-TR5429	ISL97645AIRZ-T	ISL97645AIRZ-TR5429
ISL9203ACRZ-T	ISL9203ACRZ-TR5429	ISL97645AIRZ-TK	ISL97645AIRZ-TKR5429
ISL9204IRZ-T	ISL9204IRZ-TR5429	ISL97645IRZ-T	ISL97645IRZ-TR5429
ISL9209BIRZ-T	ISL9209BIRZ-TR5429	ISL97646IRZ-T	ISL97646IRZ-TR5429
ISL9209CIRZ-T	ISL9209CIRZ-TR5429	ISL97650ARTZ-T	ISL97650ARTZ-TR5429
ISL9212BIRZ-T	ISL9212BIRZ-TR5429	ISL97653AIRZ-T	ISL97653AIRZ-TR5429
ISL9214IRZ-T	ISL9214IRZ-TR5429	ISL97656IRTZ-TK	ISL97656IRTZ-TKR5429
ISL9219IRZ-T	ISL9219IRZ-TR5429	ISL97701IRZ-T7	ISL97701IRZ-T7R5429
ISL9221IRZ-T	ISL9221IRZ-TR5429	ISL97702IRZ-T7	ISL97702IRZ-T7R5429
ISL9301IRZ	ISL9301IRZR5429	ISL97801ARZ-T	ISL97801ARZ-TR5429
ISL9440AIRZ	ISL9440AIRZR5429	ISL97801ARZ-TK	ISL97801ARZ-TKR5429
ISL9440AIRZ-T	ISL9440AIRZ-TR5429		
ISL9440BIRZ-T	ISL9440BIRZ-TR5429		
ISL9440CIRZ-T	ISL9440CIRZ-TR5429		
ISL9440IRZ-T	ISL9440IRZ-TR5429		

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