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# **PRODUCT CHANGE NOTICE**

**Alternate Manufacturing Site  
for Assembly of the Listed  
Intersil PDIP Packaged  
Products**

**Refer to:  
PCN12086**

**Date: October 25, 2012**

October 25, 2012

To: Our Valued Intersil Customer

Subject: **Alternate Manufacturing Site for Assembly of the Listed Intersil PDIP Packaged Products – Amkor Technology, Philippines (ATP)**

This notice is to inform you that Intersil will begin using the Amkor Technology (ATP) facility in the Philippines as an alternate site for assembly of the listed PDIP (Plastic Dual-Inline-Package) packaged products. This action will expand current capabilities and capacities to optimize Intersil's ability to meet customer's delivery requirements. The product and site-specific qualification activities are in progress and expected to complete during Q4 CY2012.

The Amkor Technology (ATP) facility is ISO 9001:2008, TS 16949:2009, and ISO 14001:2004 certified. The ATP facility is qualified as a supplier to Intersil for performing assembly of packaged products, including the PDIP package style. There will be no change in the package outline drawing (POD), bond wire (diameter or material), mold compound, or lead frame material for the listed products. The material set combinations for assembly and other key items are listed in the table below.

Key Items	ANST Current	ATP NEW (Alternate)
Mold Compound	Sumitomo G600	Sumitomo G600
Die Attach	A8290 / 84-1LMISR4	84-1LMISR4
Bond Wire - Gold (Au)	1.0, 1.2, or 1.3mil	1.0, 1.2, or 1.3 mil
Lead Frame Material	C194	C194
Device Marking - Site Code	V	L

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 plan is included for reference. The qualification results will be available for review upon completion by request. 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.

Product affected by this change is identifiable via Intersil's internal traceability system. In addition, product assembled at ATP may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for product assembled at ATP with gold bond wire is "L".

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 current or the newly qualified sites 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,



Jon Brewster  
Intersil Corporation

PCN12086

CC: J. Touvell D. Decrosta D. Foster S. Nadarajah F. Tsng S. Ang B. Lee N. Anantharajah

## PCN12086 – ATP Reliability Qualification Summary

Stress / Conditions	Duration	CA3140E 8 LEAD PDIP SG600, 84-1LMISR4, 1.0 AU wire	ICL7611DCPAZ 8 LEAD PDIP SG600, 84-1LMISR4, 1.0 AU wire	X28HC256PZ-12 28 LEAD PDIP SG600 84-1LMISR4 1.3 AU wire
Biased HAST +130C / 85% RH	96 Hours	NA	N = 78 Acc = 0	NA
High Temperature Storage T <sub>A</sub> = +150C	1000 Hours	N = 100 Acc = 0	NA	N = 78 Acc = 0
Unbiased HAST +130C / 85% RH	96 Hours	N = 100 Acc = 0	NA	N = 78 Acc = 0
Temp Cycle +150C / -65C	1000 Cycles	NA	NA	N = 78 Acc = 0
Temp Cycle +125C / -40C	1000 Cycles	N = 100 Acc = 0	NA	NA
High Temperature Operating Life @ +125C	1000 Hours	N = 80 Acc = 0	NA	NA
Testing Complete				

## PCN12086 – PDIP Products Affected

CA3130EZ	HFA1145IPZ	ICL7650SCPA-1Z	ISL8483EIPZ
CA3140AEZ	HFA1412IPZ	ICL7650SCPDZ	ISL8483IPZ
CA3140EZ	HI3-0200-5Z	ICL7660ACPAZ	ISL8485CPZ
CA3240AEZ	HI3-0201-5Z	ICL7660CPAZ	ISL8485ECPZ
CA3240EZ	HI3-0201HS-5Z	ICL7660SCPAZ	ISL8485EIPZ
CA3260AEZ	HI3-0303-5Z	ICL7660SIPAZ	ISL8485EMPZ
CA3260EZ	HI3-0508-5Z	ICL7663SCPAZ	ISL8485IPZ
CA3420EZ	HI3-0508A-5Z	ICL7665SACPAZ	ISL8487EIPZ
CDP68HC68T1EZ	HI3-0509A-5Z	ICL7665SAIPAZ	ISL8487IPZ
CP82C88Z	HI3-0548-5Z	ICL7665SCPAZ	ISL8488IPZ
CP82C89Z	HI3-0549-5Z	ICL7667CPAZ	ISL89410IPZ
DG211CJZ	HI3-5043-5Z	ICL7673CPAZ	ISL89411IPZ
DG408DJZ	HI3-5051-5Z	ICM7242IPAZ	ISL89412IPZ
DG409DJZ	HI7190IPZ	ICM7555IPAZ	X9221AUIPZ
DG411DJZ	HI7191IPZ	ICM7556IPDZ	X9221AUPZ
DG412DJZ	HIN202CPZ	ISL2671286IPZ	X9221AWPIZ
DG413DJZ	HIN202ECPZ	ISL31472EIPZ	X9221AWPZ
DG441DJZ	HIN232ACPZ	ISL31492EIPZ	X9221AYPIZ
DG442DJZ	HIN232CPZ	ISL3152EIPZ	X9221AYPZ
EL7104CNZ	HIN232ECPZ	ISL81483IPZ	X9241AMPZ
EL7154CNZ	HIN232IPZ	ISL81487EIPZ	X9241AMPZ
EL7156CNZ	HIN238CPZ	ISL81487IPZ	X9241AUIPZ
EL7212CNZ	HIN239CPZ	ISL81487LIPZ	X9241AUPZ
EL7232CNZ	HIP4080AIPZ	ISL83202IPZ	X9241AWPIZ
EL7242CNZ	HIP4081AIPZ	ISL83204AIPZ	X9241AYPIZ
HA3-2525-5Z	HIP4082IPZ	ISL84541CPZ	X9241AYPZ
HA3-5020-5Z	HIP4083APZ	ISL84541IPZ	
HA4314BCPZ	HIP4086APZ	ISL84542CPZ	
HA4600CPZ	ICL3223CPZ	ISL84542IPZ	
HA5023IPZ	ICL3225CPZ	ISL84543CPZ	
HA5024IPZ	ICL3225ECPZ	ISL84543IPZ	
HD3-4702-9Z	ICL3232CPZ	ISL84544CPZ	
HD3-4702-9Z-F59	ICL7611DCPAZ	ISL84544IPZ	
HD3-6409-9Z	ICL7612DCPAZ	ISL8483CPZ	
HFA1112IPZ	ICL7621DCPAZ	ISL8483ECPZ	