

PRODUCT CHANGE NOTICE

**Manufacturing Site Change for Assembly
of the Listed Intersil 28l PDIP Products**

**Refer to:
PCN10056**

Date: July 9, 2010

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To: Our Valued Intersil Customers

Subject: **Manufacturing Site Change for Assembly of the Listed Intersil 28l PDIP Products – Amkor Philippines (ATP)**

This notice is to inform you that Intersil has qualified the Amkor Philippines (ATP) facility for assembly of the listed 28-lead PDIP (Plastic Dual In-Line Package) products. The change in assembly site is necessary as the current subcontractor is discontinuing 28l PDIP assembly operations. The product and site-specific qualification activities are complete.

The Amkor Philippines (ATP) facility is ISO 9001:2008 and ISO/TS 16949:2009 certified and has been a primary supplier of assembly packaging operations to Intersil for more than ten years. The ATP facility is currently Intersil qualified for assembly of various package styles, including 28l PDIP packaged products. There will be no change to the package outline drawing (POD) or moisture sensitivity level (MSL). The ATP qualified material set combinations are as follows:

Material	ATP
Mold Compound	Sumitomo EME-G600 series
Die Attach	Ablebond 84-1LMISR4

The assembly qualification plans are 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 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.

Product affected by this change is 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 at the Amkor Philippines (ATP) facility is "L".

Intersil will take all necessary actions to conform to 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 immediately. 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.



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PCN10056

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PCN10056 – Products Affected

X28HC256P-12
X28HC256P-15
X28HC256P-90
X28HC256PI-12
X28HC256PI-15
X28HC256PIZ-12
X28HC256PIZ-15
X28HC256PIZ-90
X28HC256PM-15C7960
X28HC256PM-15C9056
X28HC256PZ-12
X28HC256PZ-15
X28HC256PZ-90
X28HC64P-12
X28HC64P-70
X28HC64P-90
X28HC64PI-12
X28HC64PI-12C9056
X28HC64PI-90
X28HC64PIZ-12
X28HC64PIZ-90
X28HC64PZ-12
X28HC64PZ-90

PCN10056 - ATP 28I PDIP Qualification Summary

Device: X28HC256PZ-12		ATP (Qual lot)			UTL (Control lot)	
Stress / Conditions	Duration	Lot 1	Lot 2	Lot 3	Lot 1	Result
High Temp Storage (HTS) Ta = 150C	1,000 Hrs	26 units	26 units	26 units	26 units	Passed
uHAST 130C / 85% RH	96 Hrs	26 units	26 units	26 units	26 units	Passed
Temp Cycle -65C to +150C	1000 Cycles	26 units	26 units	26 units	26 units	Lot 1 ATP = 1/26 (die functional failure, not assembly related)