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# **PRODUCT CHANGE NOTICE**

## **Wafer Fabrication Site Change for Listed Intersil Products**

**Refer to:  
PCN14060**

**Date: November 07, 2014**

November 07, 2014

To: Our Valued Intersil Customer

Subject: **Wafer Fabrication Site Change for Listed Intersil Products**  
*Palm Bay, Florida*

This notice is to inform you that Intersil has qualified Intersil's Palm Bay, Florida facility for wafer fabrication of the listed C5 technology products. The process technology qualification activity is complete. The package related qualification and product evaluation activity is scheduled to complete February 2015.

The Intersil Palm Bay, Florida facility is an ISO 9001:2008 and ISO/TS 16949:2002 certified wafer fabrication facility. The product and site 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 plan is included for reference. The qualification results will be available for review upon completion by request. The remainder of the manufacturing operations (package assembly, package electrical testing, shipment, etc.) will continue to be processed to previously established conditions and systems. The ICP Test Report for the Palm Bay fabrication facility is located on Intersil's Environmental web site under Material Sub-Group: "Silicon"; Material "die" and the PDF file is titled Intersil Corporation.  
<http://www.intersil.com/en/support/environmental.html#WA;>

There will be no change to the product data sheet specifications or external marking of the packaged products. Product affected by this change is identifiable via Intersil's internal traceability system.

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 manufactured from either the current or the newly qualified site upon successful completion of all qualification activities.

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,



Jeffrey Touvell  
Intersil Corporation

PCN14060

CC: D. Hemmenway P, Graves C. Chiraphanda

# PCN14060 – Palm Bay C5 Technology Qualification Plan

Stress / Conditions	Duration	X5043S8IZ2.7AT1	X9C103SIZT1	X28HC64J-12
High Temp Operating Life +125°C	1000 Hours	N = 234 Acc = 0	N = 156 Acc = 0	N/A
Moisture Sensitivity Classification		N = 44 Acc = 0 L1 PBFREE	N = 44 Acc = 0 L1 PBFREE	N = 44 Acc = 0 L1 PBFREE
Unbiased HAST +130C / 85% RH	96 Hrs	N = 78 Acc = 0	N = 78 Acc = 0	N = 78 Acc = 0
Temp Cycle +150C / -65C	500 Cy	N = 78 Acc = 0	N = 78 Acc = 0	N = 78 Acc = 0
Biased HAST +130C / 85% RH	96 Hrs	N = 78 Acc = 0	N = 78 Acc = 0	N = 156 Acc = 0
High Temperature Storage T <sub>A</sub> = +150C	1000 Hrs	N = 78 Acc = 0	N = 78 Acc = 0	N = 78 Acc = 0
EEPROM Endurance 100000 cycles	100k cycles	Note 1	Note 1	N/A
EEPROM Retention T <sub>A</sub> = +150C	1000 Hrs	Note 1	Note 1	N/A

Note 1: Endurance & Retention to meet or exceed current fab control

	Qualification by Extension
	Qualification Completed/Passed

## PCN14060 – Product List

X28HC64J-12	X28HC64JI-70T1	X28HC64JIZ-90T1	X28HC64SIZ-12
X28HC64J-12T1	X28HC64JI-90	X28HC64JZ-12	X28HC64SIZ-12T1
X28HC64J-70	X28HC64JI-90T1	X28HC64JZ-12T1	X28HC64SIZ-70
X28HC64J-70T1	X28HC64JI-90T2	X28HC64JZ-70	X28HC64SZ-12
X28HC64J-90	X28HC64JIZ-12	X28HC64JZ-70T1	X28HC64SZ-70
X28HC64J-90T1	X28HC64JIZ-12T1	X28HC64PIZ-12	X28HC64W
X28HC64JI-12	X28HC64JIZ-70	X28HC64PIZ-90	
X28HC64JI-12T1	X28HC64JIZ-70T1	X28HC64PZ-12	
X28HC64JI-70	X28HC64JIZ-90	X28HC64PZ-90	