

# **PRODUCT CHANGE NOTICE**

## **Wafer Size Conversion for the Listed Intersil Products**

**Refer to:  
PCN14043**

**Date: October 02, 2014**

October 02, 2014

To: Our Valued Intersil Customers

Subject: **Wafer Size Conversion of Intersil's P6 Technology – Palm Bay, Florida**

This notice is to inform you that Intersil is converting the P6 technology from 6" (150mm) to 8" (200mm) at the Palm Bay, FL facility. The Intersil Palm Bay facility is ISO 14001, ISO 9001:2008, ISO/TS 16949:2009 and QML certified. The conversion of the wafer diameter provides improved capability, capacity and continuity of supply for our customers. As of the date of this notice, the qualification activities are in progress and expected to complete by the end of January 2015.

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. The remainder of the manufacturing operations (package assembly, package electrical testing, shipment, etc.) will continue to be processed to previously established conditions and systems.

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 6" (150mm) or 8" (200mm) wafers beginning *ninety days* from the date of this notification or upon successful completion of 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

PCN14043

CC: K. Hoopingarner M. Vansant D. DeCrosta H. Singh

## PCN14043 – Palm Bay P6 Technology Qualification Plan

Stress / Conditions	Duration	ISL6312CRZ-T 48 LEAD 7x7 QFN	ISL6420AIRZ_T 20 LEAD 4x4 QFN	ISL6536IBZA 8 LEAD SOIC
Moisture Sensitivity Classification		N = 44 Acc = 0 L3 PBFREE	N = 22 Acc = 0 L2 PBFREE	N = 44 Acc = 0 L1 PBFREE
High Temperature Operating Life T <sub>A</sub> @ + 125°C	1000 Hrs	N = 78 Acc = 0	N = 156 Acc = 0	N = 156 Acc = 0
Biased HAST +130C / 85% RH	96 Hrs	N = 78 Acc = 0	N = 78 Acc = 0	N = 78 Acc = 0
High Temperature Storage T <sub>A</sub> = +150C	1000 Hrs	N = 234 Acc = 0	N = 78 Acc = 0	N = 78 Acc = 0
Unbiased HAST +130C / 85% RH	96 Hrs	N = 234 Acc = 0	N = 78 Acc = 0	N = 78 Acc = 0
Temp Cycle +150C / -65C	500 Cy	N = 234 Acc = 0	N = 78 Acc = 0	N = 78 Acc = 0

### PCN14043 – Product List

ISL6536IBZ      ISL6536IBZ-TR5194      ISL88041IBZ-T  
 ISL6536IBZ-T      ISL88041IBZ