

## Product Change Notice (PCN)

**Subject:** Wafer Fabrication Site Change for the controller die in the ISL99140IRZ\* Intersil Product

**Publication Date:** 4/19/2016

**Effective Date:** 7/19/2016

**Revision Description:**

Initial Release

**Description of Change:**

This notice is to inform you, as a result of declining volumes, Intersil has re-installed its proprietary P6 technology in the Intersil Palm Bay, Florida facility for wafer fabrication. This technology initially ran in Palm Bay from 2002 to 2004. Intersil has invested ~ \$30M to upgrade the facility to add 200mm capability to match the current tools used, as well as in-line unit process and electrical parameters.

Impacted Products: ISL99140IRZ-T; ISL99140IRZ-TS2568

**Reason for Change:**

The move back to Palm Bay will position Intersil to guarantee continuity of supply to our customers as the volumes on the technology continue to decline. The site-specific process technology qualification has completed.

**Impact on fit, form, function, quality & reliability:**

The change will have no impact on the form, fit, function, quality, reliability and environmental compliance of the devices.

**Product Identification:**

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 internal traceability systems.

**Qualification status:** Complete, see attached

**Sample availability:** Specific product samples available with 4 month ARO

**Device material declaration:** Available upon request

*Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Intersil within 30 days of the publication date.*

For additional information regarding this notice, please contact your regional change coordinator (below)			
Americas: <a href="mailto:PCN-US@INTERSIL.COM">PCN-US@INTERSIL.COM</a>	Europe: <a href="mailto:PCN-EU@INTERSIL.COM">PCN-EU@INTERSIL.COM</a>	Japan: <a href="mailto:PCN-JP@INTERSIL.COM">PCN-JP@INTERSIL.COM</a>	Asia Pac: <a href="mailto:PCN-APAC@INTERSIL.COM">PCN-APAC@INTERSIL.COM</a>

## Appendix A - Qualification Results

Stress / Conditions	Duration	ISL6312CRZ 48 Lead 7x7 QFN	ISL6420AIRZ 20 Lead 4x4 QFN	ISL6536IBZ 8 Lead SOIC
Mositure Sensitivity Classification		N = 48 Pass L3 PBFREE	N = 22 Pass L2 PBFREE	N = 44 Pass L1 PBFREE
High Temperature Operating Life T <sub>A</sub> @ 125°C	1000 hrs	N = 156 Pass	N = 155 Pass	N = 79 Pass
Biased HAST +130°C / 85% RH	96 hrs	N = 78 Pass	N = 78 Pass	N = 80 Pass
High Temperature Storage T <sub>A</sub> - +150°C	1000 hrs	N = 222 <sup>1</sup> Pass	N = 78 Pass	N = 78 Pass
Unbiased HAST + 130°C / 85% RH	96 hrs	N = 240 Pass	N = 78 Pass	N = 80 Pass
Temp Cycle +150°C / -65°C	500 cy	N = 240 Pass	N = 80 Pass	N = 80 Pass

**Notes:**

1. Single unit failure, corrective action completed