

Product Change Notice (PCN)

Subject: Qualification of alternate fabrication facility for the listed ISL95808* Intersil products

Publication Date: 9/9/2015

Effective Date: 12/9/2015

Revision Description:

Initial Release

Description of Change:

Qualification of an alternate fabrication site for the listed ISL95808* Intersil products. Intersil has re-installed its proprietary P6/P6S technology into 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 inline unit process and electrical parameters.

Reason for Change:

The qualification of Palm Bay will position Intersil to guarantee continuity of supply to our customers. 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 Intersil's internal traceability system.

Qualification status: Complete, see attached

Sample availability: 10/2/2015

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: PCN-US@INTERSIL.COM	Europe: PCN-EU@INTERSIL.COM	Japan: PCN-JP@INTERSIL.COM	Asia Pac: PCN-APAC@INTERSIL.COM

Appendix A - Affected Products List (see attached)

Appendix B - Qualification Results (see attached)

Appendix A - Affected Products List

ISL95808HRZ-T ISL95808HRZ-TS2722 ISL95808IRZ-T
 ISL95808HRZ-TS2568 ISL95808HRZ-TS2778

Appendix B - Qualification Results

Stress / Conditions	Duration	ISL6312CRZ-T 48 LEAD 7x7 QFN	ISL6420AIRZ_T 20 LEAD 4x4 QFN	ISL6536IBZA ² 8 LEAD SOIC
Moisture Sensitivity Classification		N = 48 Pass L3 PBFREE	N = 22 Pass L2 PBFREE	N = 44 Acc = 0 L1 PBFREE
High Temperature Operating Life T _A @ + 125°C	1000 Hrs	N = 156 Pass	N = 155 Pass	N = 79 Acc = 0
Biased HAST +130C / 85% RH	96 Hrs	N = 78 Pass	N = 78 Pass	N = 80 Acc = 0
High Temperature Storage T _A = +150C	1000 Hrs	N = 222 ¹ Pass	N = 78 Pass	N = 78 Acc = 0
Unbiased HAST +130C / 85% RH	96 Hrs	N = 240 Pass	N = 78 Pass	N = 80 Acc = 0
Temp Cycle +150C / -65C	500 Cy	N = 240 Pass	N = 80 Pass	N = 80 Acc = 0

Notes:

- 1 Single unit failure, corrective action completed
- 2 Additional product qualification results