

## Product Change Notice (PCN)

**Subject:** Wafer Fabrication Site Change for Listed Intersil Products

**Publication Date:** 3/18/2016

**Effective Date:** 9/18/2016

**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.

**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 for commercial products and are in mass production, AEC-Q100 requirements are in progress, refer to Appendix A for plan.

**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:** AEC-Q100 qualification in progress

**Sample availability:** Contact local sales for sample quantities and delivery

**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 Plan (see attached)

Appendix B – Affected Products List (see attached)

## Appendix A – Qualification Plan

ISL78010ANZ Qualification Plan – 32 LEAD TQFP				
Stress	Test Method	Sample Size	# of Lots	Results
High Temperature Operating Life (HTOL)	JESD22-A108	80	3	
Early Life Failure Rate	AEC-Q100-008	800	3	
Biased Hast (BHAST)	JESD22-A110	80	3	
High Temperature Storage (HTS)	JESD22-A103	50	1	
Unbiased HAST (UHAST)	JESD22-A118	80	3	
Temperature Cycle (TC)	JESD22-A104	80	3	

ISL78100ARZ Qualification Plan – 20 LEAD 4X4 QFN				
Stress	Test Method	Sample Size	# of Lots	Results
High Temperature Operating Life (HTOL)	JESD22-A108	80	3	
Early Life Failure Rate	AEC-Q100-008	800	3	
Biased Hast (BHAST)	JESD22-A110	80	3	
High Temperature Storage (HTS)	JESD22-A103	50	1	
Unbiased HAST (UHAST)	JESD22-A118	80	3	
Temperature Cycle (TC)	JESD22-A104	80	3	

ISL78210ARUZ Qualification Plan – 16 LEAD UTQFN				
Stress	Test Method	Sample Size	# of Lots	Results
High Temperature Operating Life (HTOL)	JESD22-A108	80	3	
Early Life Failure Rate	AEC-Q100-008	800	3	
Biased Hast (BHAST)	JESD22-A110	80	3	
High Temperature Storage (HTS)	JESD22-A103	50	1	
Unbiased HAST (UHAST)	JESD22-A118	80	3	
Temperature Cycle (TC)	JESD22-A104	80	3	

ISL78215AUZ Qualification Plan – 8 LEAD MSOP				
Stress	Test Method	Sample Size	# of Lots	Results
High Temperature Operating Life (HTOL)	JESD22-A108	80	3	
Early Life Failure Rate	AEC-Q100-008	800	3	
Biased Hast (BHAST)	JESD22-A110	80	3	
High Temperature Storage (HTS)	JESD22-A103	50	1	
Unbiased HAST (UHAST)	JESD22-A118	80	3	
Temperature Cycle (TC)	JESD22-A104	80	3	

ISL78692-1CR3Z Qualification Plan – 10 LEAD DFN				
Stress	Test Method	Sample Size	# of Lots	Results
High Temperature Operating Life (HTOL)	JESD22-A108	80	3	
Early Life Failure Rate	AEC-Q100-008	800	3	
Biased Hast (BHAST)	JESD22-A110	80	3	
High Temperature Storage (HTS)	JESD22-A103	50	1	
Unbiased HAST (UHAST)	JESD22-A118	80	3	
Temperature Cycle (TC)	JESD22-A104	80	3	

**Appendix B – Affected Products List**

Intersil Product	Intersil Product	Intersil Product
ISL78010ANZ	ISL78100ARZ-TK	ISL78215AUZ-T7A
ISL78010ANZ-T	ISL78210ARUZ-T	ISL78692-1CR3Z
ISL78010ANZ-TR5503	ISL78210ARUZ-T7A	ISL78692-1CR3ZR5503
ISL78100ARZ	ISL78210ARUZ-TR5303	ISL78692-1CR3Z-T
ISL78100ARZ-T	ISL78215AUZ	ISL78692-1CR3Z-T7A
ISL78100ARZ-T7A	ISL78215AUZ-T	ISL78692-1CR3ZTR5503