

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

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