

PRODUCT CHANGE NOTICE

**Wafer Fabrication Site Change for the
Listed Intersil Products**

**Refer to:
PCN10054**

Date: June 11, 2010

June 11, 2010

To: Our Valued Intersil Customer

Subject: **Wafer Fabrication Site Change for the Listed Intersil Products –**
Taiwan Semiconductor Manufacturing Company (TSMC) Shanghai, China

This notice is to inform you that Intersil has qualified the TSMC facility in Shanghai, China for wafer fabrication of the listed products. The change in wafer fabrication site is necessary as the AMI facility has discontinued manufacturing operations. As of this notice, all product and site-specific qualification activities are complete.

Product Affected:

EL5111IWTZ	EL5220CYZ	EL5411IRZ-T13	EL5420CRZE9052-T13
EL5111IWTZ-T7	EL5220CYZ-T13	EL5411IRZ-T7	EL5420CRZE9052-T7
EL5111IWTZ-T7A	EL5220CYZ-T7	EL5420CLZ	EL5420CSZ
EL5111IYEZ	EL5411IREZ	EL5420CLZ-T13	EL5420CSZ-T13
EL5111IYEZ-T13	EL5411IREZ-T13	EL5420CLZ-T7	EL5420CSZ-T7
EL5111IYEZ-T7	EL5411IREZ-T13R5379	EL5420CRZ	EL5421CYZ
EL5211IYEZ	EL5411IREZ-T7	EL5420CRZ-T13	EL5421CYZ-T13
EL5211IYEZ-T13	EL5411IREZ-T7R5379	EL5420CRZ-T7	EL5421CYZ-T7
EL5211IYEZ-T7	EL5411IRZ	EL5420CRZE9052	ISL24020IHTZ-T7

The TSMC Shanghai facility is ISO 9001:2000 and ISO/TS 16949:2002 certified. 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 results is attached for reference. The remainder of the manufacturing operations (package assembly, package level 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 specification 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 customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to receive product from either the current or the newly qualified sites beginning 90-days from the date of this notification or earlier with approval.

If you have concerns with this change notice, Intersil must hear from you immediately. 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.



Intersil Corporation

PCN10054

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**PCN10054 - Wafer Fabrication Site Change for the EL51XXT, EL52XXT,
EL54XXT, & ISL24020T Intersil Products – Taiwan Semiconductor
Manufacturing Company (TSMC) Shanghai, China**

Summary

Test Name	Conditions	Duration	# of Lots	Sample Size	Rejects
AUTOCLAVE	+121°C, 100%RH	96 hours	6	132	0
HAST UNBIAS	+130°C, 85%RH	96 hours	8	632	0
HTOL	+125°C	1000 hours	4	316	0
STORAGE	+150°C	1000 hours	9	611	0
TEMP CYCLE	-40°C TO +125°C	1000 cycles	5	398	0
TEMP CYCLE	-65°C TO +150°C	500 cycles	3	66	0
TEMP CYCLE	-65°C TO +150°C	1000 cycles	5	216	0
TEMP CYCLE	-65°C TO +150°C	500 cycles	1	80	0
THNB	+85°C, 85%RH	1000 hours	3	135	0

Failure Rate Calculations

High Temperature Operating Life Failure Rates Derated to +55°C			
Rejects	Sample Size	FITs at 60% UCL	MTTF at 60% UCL
0	316	37.39	2.67e+07

Notes:

An activation energy of 0.7eV is assumed when calculating failure rates for samples with 0 rejects.