
PRODUCT CHANGE NOTICE

**Wafer Fabrication Site Change
for Intersil EL5164* and
EL5165* Products**

**Refer to:
PCN11025**

Date: March 3, 2011

March 3, 2011

To: Our Valued Intersil Customer

Subject: **Wafer Fabrication Site Change for Intersil EL5164* and EL5165* Products –**
NXP Semiconductor Nijmegen, Netherlands

This notice is to inform you that Intersil has qualified the NXP Semiconductor facility in Nijmegen, Netherlands for wafer fabrication of the EL5164* and EL5165* HS6 technology products. The change in wafer fabrication site is necessary as the NXP facility in Fishkill, New York has discontinued manufacturing operations. The HS6 technology wafer fabrication operations have been relocated from the NXP Fishkill to the NXP Nijmegen facility. The product and site-specific qualification activities are complete.

Product Affected:

EL5164ISZ	EL5164IWZ	EL5165IWZ
EL5164ISZ-T13	EL5164IWZ-T7	EL5165IWZ-T7
EL5164ISZ-T7	EL5164IWZ-T7A	EL5165IWZ-T7A

The NXP Nijmegen facility is ISO 9001:2008 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 included for reference. The remainder of the manufacturing operations (package assembly, package 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 specifications 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 agreed upon 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 ninety days from the date of this notification or earlier with approval.

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

Regards,



Jon Brewster
Intersil Corporation

PCN11025

CC: J. Touvell J. McNamara J. Yun D. Ngo P. Randhawa

PCN11025 – NXP HS6 Technology Qualification

Test Name	Product	Conditions	Duration	# of Lots	Sample Size / Rejects	Comments
HTOL	EL4543	+125°C	1000 hours	3	234 / 0	Passed
	EL5170	+125°C	1000 hours	1	78 / 0	Passed
	ISL1557B	+125°C	1000 hours	1	78 / 0	Passed
	EL5165 *	+110°C	168 hours	1	78 / 0	Passed
HAST	EL4543	+130°C, 85%RH	96 hours	3	78 / 0	Passed
Storage	EL4543	+150°C	1000 hours	3	78 / 0	Passed
Bond Pull Integrity	EL4543	+175°C	96 hours	3	6 / 0	Passed
	ISL1557B	+175°C	96 hours	2	6 / 0	Passed
Unbiased HAST	EL4543	+130°C, 85%RH	96 hours	3	78 / 0	Passed
	ISL1557B	+130°C, 85%RH	96 hours	2	78 / 0	Passed
	ISL28136 *	+130°C, 85%RH	96 hours	-	81 / 0	Passed
Temperature Cycle	EL4543	-40°C to +125°C	1000 Cycles	3	78 / 0	Passed
	ISL1557B	-40°C to +125°C	1000 Cycles	2	78 / 0	Passed
	ISL28136 *	-40°C to +125°C	1000 Cycles	-	81 / 0	Passed
	EL8176 *	-65°C to +150°C	500 Cycles	-	45 / 0	Passed

Product Characterization	EL5164	Performed by Product Engineering
	EL5165	
ESD	EL5164	HBM = 3000v, MM = 250V, CDM = 1000V
	EL5165 *	
Latch-up Characterization	EL5164	+/-100mA @ +125°C - Level A Class II
	EL5165 *	

* Qual Vehicle for EL5164