

# **PRODUCT CHANGE NOTICE**

**Moisture Sensitivity Level Change for  
Intersil ISL6540\*, ISL6540A\*, and  
ISL8118\* Products**

**Refer to:  
PCN10019**

**Date: March 10, 2010**

March 10, 2010

To: Our Valued Intersil Customers

Subject: **Moisture Sensitivity Level Change for Intersil ISL6540\*, ISL6540A\*, and ISL8118\* Products**

This notice is to inform you that Intersil has reclassified the ISL6540\*, ISL6540A\*, and ISL8118\* products as moisture sensitivity level 2 (MSL-2). The change in moisture sensitivity rating from MSL-3 to MSL-2 insures labeling consistency across the product line and increases the floor life (out of bag) period allowing customers to have additional manufacturing flexibility for material in process.

Products affected:

ISL6540ACRZ	ISL6540ACRZR5359	ISL6540AIRZR5359	ISL6540IRZ-T
ISL6540ACRZ-T	ISL6540AIRZ	ISL6540CRZ	ISL6540IRZA
ISL6540ACRZ-TR5359	ISL6540AIRZ-T	ISL6540CRZ-T	ISL6540IRZA-T
ISL6540ACRZ-TS2378	ISL6540AIRZ-TR5359	ISL6540CRZA	ISL8118CRZ
ISL6540ACRZ-TS2490	ISL6540AIRZ-TS2568	ISL6540CRZA-T	ISL8118CRZ-T
ISL6540ACRZA	ISL6540AIRZA	ISL6540CRZA-TS2568	ISL8118IRZ
ISL6540ACRZA-T	ISL6540AIRZA-T	ISL6540IRZ	ISL8118IRZ-T

The listed products in the 28p 5x5 QFN package are considered MSL-2 compliant in accordance with IPC/JEDEC J-STD-020. Products in this package style are reclassified to MSL-2 and will now have a floor life of one year at factory ambient  $\leq 30^{\circ}\text{C}/60\% \text{ RH}$ . The previous classification of MSL-3 had a floor life period of 168 hours at factory ambient  $\leq 30^{\circ}\text{C}/60\% \text{ RH}$ . There is no change to the form, fit, function, or reliability of the product.

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 packed to MSL-2 requirements beginning ninety days from the date of this notification or upon depletion of current inventory.

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.

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PCN10019

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## PCN10019 – Qualification Summary

Reliability Test	ISL6540ACRZ (28 LEAD 5X5 QFN)	Comments
Moisture Sensitivity Classification	MRT07103 MSL=2@260C (Pb Free) Approved=Yes	The ISL6540*RZ, ISL6540A*RZ, and ISL8118*RZ can receive an improved MSL rating from MSL3 to MSL2 in the LHI package assembled at STATS ChipPAC Malaysia. Customer requested MSL studies have been performed and the product successfully passed stresses preconditioned to MSL 2.
Unbiased HAST	SRN060213 Rev 0 0/22 130C, 85%RH PRECOND L2 PBFREE 96hr completed 2006-11-17	<b>Passed</b>
Temperature Cycle	SRN060213 Rev 0 0/78 -65C TO 150C PRECOND L2 PBFREE 500cy completed 2007-01-08  SRN070316 Rev 0 0/22 -65C TO 150C PRECOND L2 PBFREE 500cy completed 2008-01-14	<b>Passed</b>
Destructive Wire Pull after Temp Cycle	SRN060213 Rev 0 0/6 completed 2007-01-10	<b>Passed</b>