
PRODUCT CHANGE NOTICE

Wafer Fabrication Process Improvement for the Listed Intersil SIGATE technology Products

**Refer to:
PCN12044**

Date: June 12, 2012

June 12, 2012

To: Our Valued Intersil Customer

Subject: **Wafer Fabrication Process Improvement for the Listed Intersil SIGATE Technology Products** – *Intersil Palm Bay, Florida Facility*

This notice is to inform you of changes to the wafer fabrication process used for the listed SIGATE technology products. The changes to the process flow are limited to the composition of the field oxide stack and associated etch process.

- Field oxide composition changed from a 7KÅ ACS deposited Silicon dioxide to Novellus deposited stack of 1KÅ Undoped Silicon Glass (USG) buffer + 6KÅ Borophosphosilicate Glass (BPSG).
- Etch recipe changes to accommodate new stack composition.

This specific field composition and etch process is already in place on a similar, previously qualified technology and will improve the long-term reliability of these products along with Intersil's ability to meet customer delivery requirements. The qualification activities are complete as of the date of this notice.

Products affected:

5962-86716012A	5962-86860012A	HA1-4902/883
5962-8671601EA	5962-8686001EA	HI1-0201HS/883

The technology qualification plans for process related changes are designed using JEDEC, MIL-PRF-38535, 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. There will be no change to the product design, wafer level electrical test (circuit probe), package level electrical test, marking, or product datasheet / DLA (Defense Logistics Agency) SMD (Standard Microcircuit Drawing). Parts affected by this change are 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 fabricated using the improved process beginning immediately or upon depletion of existing inventory.

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

PCN12044

CC: J. Touvell J. McNamara M. Delgado K. Shafer J. Broline

PCN12044 -SIGATE Qualification Summary

Stress	Condition	Product Number	
		5962-8671601EA	5962-868001EA
TCI Group C	C-1	0/135 (3 lots of 45 units)	0/90 (2 lots of 45 units)